



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] G005332.001  
 [TESTLAB]  
 [TESTDATE] 2022-10-03  
 [ISSUEDATE] 2022-10-25  
 [MANUFAC] LAMAR LED  
 [LUMCAT] VANL-N-48-H-40  
 [LUMINAIRE] VANDAL RESISTANT SURFACE LED LUMINAIRE  
 [MORE]RIBBED LINEAR OPAL HIGH IMPACT EXTRUDED POLYCARBONATE LENS  
 [\_WATTAGE] 42.8  
 [\_LUMENS] 5583  
 [\_EFFICACY] 130

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5583
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	42.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.90 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.13 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13248	9806	8676
55	13579	8847	7284
65	14598	7900	5591
75	17652	7045	3375
85	31611	6536	659

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**CANDELA TABULATION**

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
<b>0</b>	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78
<b>1</b>	1626.65	1626.65	1626.80	1626.80	1626.80	1626.95	1626.95	1627.10	1627.25	1627.39
<b>2</b>	1623.67	1623.67	1623.67	1623.82	1623.97	1624.12	1624.27	1624.57	1624.71	1625.01
<b>3</b>	1620.69	1620.69	1620.69	1620.84	1620.99	1621.14	1621.44	1621.74	1622.18	1622.33
<b>4</b>	1617.57	1617.57	1617.71	1617.86	1618.01	1618.31	1618.61	1618.46	1618.46	1618.76
<b>5</b>	1614.59	1614.59	1614.74	1614.89	1615.03	1615.03	1614.89	1614.74	1614.74	1614.89
<b>6</b>	1611.46	1611.61	1611.76	1611.76	1611.91	1611.46	1611.16	1611.01	1611.01	1610.72
<b>7</b>	1608.48	1608.48	1608.63	1608.63	1608.33	1607.74	1607.29	1607.14	1606.25	1605.65
<b>8</b>	1605.50	1605.50	1605.50	1605.50	1604.61	1604.01	1603.57	1602.38	1601.48	1601.04
<b>9</b>	1602.38	1602.53	1602.53	1602.08	1601.04	1600.29	1599.10	1597.76	1596.87	1595.67
<b>10</b>	1599.40	1599.55	1599.40	1598.50	1597.46	1596.42	1594.63	1593.29	1591.50	1589.72
<b>11</b>	1591.65	1591.95	1592.40	1592.10	1592.25	1592.10	1590.16	1588.08	1585.55	1584.51
<b>12</b>	1583.91	1584.21	1584.51	1584.06	1584.06	1583.61	1583.61	1582.12	1580.34	1578.40
<b>13</b>	1576.17	1576.46	1576.46	1576.02	1575.57	1574.97	1574.23	1573.78	1574.68	1571.85
<b>14</b>	1568.42	1568.72	1568.57	1567.98	1567.08	1566.34	1564.85	1565.15	1565.00	1565.44
<b>15</b>	1560.68	1560.83	1560.53	1559.93	1558.74	1557.25	1556.06	1555.62	1555.17	1555.17
<b>16</b>	1552.93	1553.08	1552.64	1551.74	1550.11	1548.32	1547.13	1546.23	1545.19	1544.60
<b>17</b>	1545.19	1545.34	1544.74	1543.40	1541.47	1539.38	1537.89	1536.40	1534.92	1533.43
<b>18</b>	1537.45	1537.45	1536.85	1535.21	1532.83	1530.45	1528.96	1526.58	1524.04	1522.41
<b>19</b>	1529.70	1529.70	1528.81	1526.87	1524.19	1521.36	1519.43	1516.30	1513.17	1511.24
<b>20</b>	1521.96	1521.96	1520.77	1518.53	1515.70	1512.58	1509.75	1505.73	1502.60	1499.62
<b>21</b>	1509.90	1510.19	1509.75	1508.56	1507.22	1503.94	1499.77	1495.15	1491.58	1487.38
<b>22</b>	1497.83	1498.28	1497.39	1495.90	1494.71	1494.71	1489.64	1484.80	1479.82	1474.98
<b>23</b>	1485.83	1486.22	1485.07	1483.29	1481.59	1480.93	1478.64	1474.74	1467.80	1462.57
<b>24</b>	1473.81	1474.17	1472.73	1470.70	1468.45	1467.26	1464.46	1463.12	1455.75	1449.96
<b>25</b>	1461.78	1462.02	1460.31	1458.12	1455.66	1453.44	1450.43	1447.68	1443.97	1436.99
<b>26</b>	1449.76	1449.87	1447.89	1445.50	1442.81	1439.61	1436.52	1432.35	1429.81	1423.88
<b>27</b>	1437.73	1437.70	1435.48	1432.85	1429.88	1425.79	1422.27	1417.24	1413.86	1410.78
<b>28</b>	1425.71	1425.50	1423.08	1420.14	1416.60	1411.89	1407.26	1402.33	1397.85	1394.75
<b>29</b>	1413.68	1413.29	1410.69	1407.26	1403.26	1398.03	1392.34	1387.25	1381.86	1377.67
<b>30</b>	1401.66	1401.07	1398.31	1394.39	1389.99	1384.18	1377.69	1371.55	1365.82	1360.81
<b>31</b>	1386.17	1385.79	1383.90	1381.13	1376.64	1370.28	1363.20	1355.90	1349.41	1343.58
<b>32</b>	1370.70	1370.20	1368.26	1365.01	1361.84	1356.35	1348.66	1340.38	1332.73	1326.04
<b>33</b>	1355.21	1354.62	1352.61	1348.90	1345.33	1340.56	1334.16	1324.86	1316.36	1308.94
<b>34</b>	1339.74	1339.04	1336.96	1332.76	1328.86	1323.30	1318.33	1309.30	1300.02	1291.57
<b>35</b>	1324.25	1323.49	1321.31	1316.63	1312.28	1306.10	1300.16	1293.53	1283.00	1273.86
<b>36</b>	1308.78	1307.96	1305.67	1300.52	1295.75	1289.11	1282.18	1275.23	1266.22	1256.09
<b>37</b>	1293.29	1292.43	1290.02	1284.42	1279.28	1272.12	1264.43	1256.70	1249.85	1238.31
<b>38</b>	1277.81	1276.96	1274.20	1268.30	1262.82	1255.10	1246.74	1238.39	1230.58	1220.46
<b>39</b>	1262.33	1261.47	1258.39	1252.25	1246.41	1237.92	1228.97	1219.91	1211.03	1202.27
<b>40</b>	1246.85	1246.01	1242.59	1236.21	1230.08	1220.78	1211.22	1201.07	1191.52	1182.21
<b>41</b>	1229.18	1228.56	1225.52	1220.17	1213.80	1203.61	1193.46	1182.41	1172.21	1161.89
<b>42</b>	1211.51	1210.87	1207.49	1202.08	1196.57	1186.40	1175.65	1164.08	1152.53	1141.69
<b>43</b>	1193.84	1193.16	1189.47	1183.90	1177.60	1168.87	1157.98	1145.77	1132.80	1121.57
<b>44</b>	1176.17	1175.44	1171.48	1165.71	1158.73	1149.81	1140.29	1126.94	1113.29	1101.02
<b>45</b>	1158.51	1157.70	1153.49	1147.55	1139.97	1130.64	1120.64	1108.16	1093.98	1080.52
<b>46</b>	1140.83	1139.97	1135.53	1129.41	1121.31	1111.51	1100.80	1089.23	1074.52	1059.68
<b>47</b>	1123.15	1122.21	1117.63	1111.28	1102.69	1092.39	1080.78	1069.01	1055.13	1039.01
<b>48</b>	1105.49	1104.45	1099.79	1093.04	1084.14	1073.26	1060.89	1048.41	1034.83	1018.46
<b>49</b>	1087.81	1086.68	1081.99	1074.69	1065.64	1054.20	1041.16	1027.71	1013.58	998.12
<b>50</b>	1070.15	1068.90	1064.24	1056.33	1047.01	1035.20	1021.54	1007.29	992.55	977.90
<b>51</b>	1051.42	1050.17	1045.88	1037.94	1028.37	1016.12	1002.02	987.13	971.58	955.98
<b>52</b>	1032.68	1031.31	1027.00	1018.77	1009.51	996.99	982.50	967.05	950.45	934.07
<b>53</b>	1013.95	1012.46	1008.11	999.67	990.02	977.69	963.05	946.79	929.51	912.42

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**CANDELA TABULATION - (Cont.)**

54	995.23	993.64	989.14	980.70	970.64	957.90	943.76	926.47	908.71	890.96
55	976.50	974.81	970.17	961.78	951.45	938.22	923.57	906.27	888.08	869.32
56	957.76	955.99	951.21	942.87	932.27	918.63	903.29	886.18	867.50	847.90
57	939.03	937.18	932.30	923.96	913.12	899.12	883.14	865.88	846.86	826.68
58	920.29	918.37	913.40	905.03	893.99	879.68	863.18	845.57	825.83	805.57
59	901.57	899.58	894.53	886.12	874.84	860.25	843.53	825.10	804.82	784.39
60	882.84	880.79	875.69	867.19	855.62	840.89	823.97	804.78	783.94	762.96
61	864.49	862.38	857.11	848.32	836.45	821.63	804.51	784.60	763.32	741.62
62	846.16	844.00	838.64	829.69	817.48	802.47	784.91	764.55	743.01	720.52
63	827.81	825.63	820.19	811.11	798.69	783.38	765.34	744.64	722.90	699.67
64	809.47	807.26	801.74	792.57	779.92	764.38	745.94	724.84	702.66	679.00
65	791.14	788.89	783.27	774.05	761.19	745.43	726.70	705.27	682.44	658.46
66	772.79	770.53	764.81	755.57	742.48	726.58	707.55	685.97	662.31	638.06
67	754.44	752.16	746.36	737.12	723.84	707.80	688.52	666.80	642.81	617.88
68	736.11	733.79	727.92	718.72	705.24	689.07	669.59	647.71	623.53	597.99
69	717.76	715.43	709.48	700.32	686.70	670.35	650.78	628.66	604.35	578.34
70	699.42	697.06	691.05	681.87	668.20	651.69	632.07	609.74	585.25	558.90
71	682.50	680.07	673.71	663.94	649.75	633.07	613.44	590.91	566.30	539.63
72	665.57	663.18	656.80	646.91	632.63	614.90	594.90	572.24	547.49	520.46
73	648.65	646.31	639.91	629.90	615.66	597.91	577.15	553.77	528.84	501.50
74	631.72	629.44	623.01	612.94	598.75	581.00	560.18	536.22	510.29	482.77
75	614.80	612.57	606.13	596.01	581.87	564.18	543.27	519.21	492.54	464.26
76	597.88	595.69	589.26	579.09	565.05	547.43	526.46	502.28	475.44	446.43
77	580.95	578.84	572.40	562.22	548.25	530.69	509.69	485.39	458.51	429.45
78	564.03	561.98	555.54	545.36	531.48	514.00	493.04	468.50	441.73	412.69
79	547.10	545.12	538.70	528.53	514.76	497.33	476.48	451.73	425.09	396.11
80	530.18	528.26	521.86	511.72	498.08	480.70	460.01	435.10	408.58	379.70
81	515.22	513.21	506.64	496.20	482.14	464.24	443.63	418.57	392.19	363.45
82	500.25	498.24	491.72	481.34	467.32	449.44	428.43	402.57	375.95	347.36
83	485.28	483.27	476.81	466.48	452.52	434.70	413.79	388.19	361.09	331.58
84	470.32	468.29	461.90	451.64	437.76	420.00	399.21	373.88	346.89	317.51
85	455.35	453.33	447.00	436.81	423.01	405.34	384.67	359.66	332.82	303.60
86	440.39	438.36	432.11	421.99	408.29	390.74	370.18	345.52	318.85	289.83
87	425.42	423.39	417.23	407.18	393.59	376.16	355.75	331.45	304.97	276.19
88	410.45	408.43	402.34	392.39	378.91	361.62	341.35	317.45	291.20	262.68
89	395.49	393.46	387.46	377.60	364.26	347.12	327.01	303.53	277.50	249.28
90	380.52	378.49	372.60	362.83	349.62	332.64	312.72	289.66	263.90	235.99
91	368.19	366.19	360.33	350.65	337.54	320.73	300.95	278.11	252.61	224.99
92	355.86	353.89	348.07	338.48	325.48	308.83	289.22	266.63	241.40	214.09
93	343.53	341.59	335.83	326.31	313.43	296.96	277.54	255.19	230.24	203.26
94	331.20	329.28	323.57	314.16	301.41	285.12	265.90	243.80	219.17	192.52
95	318.87	316.98	311.33	302.02	289.40	273.31	254.28	232.45	208.15	181.86
96	306.54	304.67	299.09	289.89	277.39	261.50	242.69	221.15	197.17	171.26
97	294.21	292.37	286.85	277.77	265.42	249.72	231.14	209.87	186.24	160.71
98	281.88	280.07	274.61	265.64	253.45	237.97	219.63	198.64	176.05	152.26
99	269.54	267.77	262.38	253.54	241.49	226.22	208.89	189.29	167.52	144.09
100	257.21	255.58	250.53	242.26	231.02	216.75	199.84	180.48	159.03	135.96
101	247.46	245.82	240.85	232.69	221.58	207.49	190.80	171.70	150.56	127.87
102	237.71	236.08	231.17	223.11	212.14	198.24	181.79	162.96	142.13	119.80
103	227.95	226.34	221.49	213.54	202.71	189.01	172.78	154.24	133.73	111.77
104	218.20	216.59	211.81	203.96	193.28	179.78	163.80	145.52	125.34	103.76
105	208.44	206.85	202.13	194.38	183.87	170.57	154.82	136.82	116.97	97.20
106	198.70	197.11	192.45	184.82	174.46	161.37	145.84	128.12	109.70	91.76
107	188.95	187.37	182.78	175.26	165.06	152.18	136.88	120.48	103.93	86.32
108	179.20	177.63	173.12	165.70	155.65	142.99	129.25	114.41	98.17	80.88
109	169.44	167.89	163.45	156.14	146.57	135.77	122.93	108.37	92.42	75.45

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**CANDELA TABULATION - (Cont.)**

110	159.69	158.35	154.53	148.27	139.84	129.22	116.61	102.32	86.67	70.01
111	152.63	151.32	147.56	141.41	133.12	122.69	110.29	96.28	80.92	64.58
112	145.56	144.27	140.58	134.55	126.39	116.15	103.98	90.24	75.16	59.15
113	138.49	137.23	133.61	127.69	119.67	109.61	97.67	84.19	69.39	55.37
114	131.43	130.19	126.63	120.84	112.94	103.07	91.37	78.13	63.94	52.03
115	124.36	123.14	119.66	113.98	106.22	96.54	85.06	72.07	60.34	48.68
116	117.30	116.10	112.68	107.12	99.49	90.01	78.75	67.54	56.74	45.32
117	110.23	109.06	105.70	100.26	92.77	83.48	73.41	63.71	53.13	41.95
118	103.17	102.01	98.72	93.41	86.05	77.82	69.36	59.88	49.51	38.57
119	96.10	94.97	91.74	86.54	80.54	73.58	65.31	56.04	45.88	35.17
120	89.04	88.15	85.67	81.69	76.17	69.34	61.26	52.18	42.25	31.76
121	84.37	83.51	81.09	77.18	71.80	65.10	57.20	48.32	38.60	28.86
122	79.70	78.87	76.50	72.67	67.41	60.86	53.14	44.45	34.95	27.12
123	75.04	74.23	71.92	68.16	63.03	56.61	49.07	40.57	31.74	25.38
124	70.37	69.59	67.33	63.65	58.64	52.36	44.99	36.67	29.83	23.61
125	65.71	64.95	62.75	59.14	54.24	48.10	40.91	33.67	27.90	21.83
126	61.04	60.31	58.17	54.64	49.85	43.85	36.81	31.58	25.96	20.03
127	56.38	55.67	53.58	50.14	45.45	39.59	34.58	29.48	24.01	18.22
128	51.71	51.04	48.99	45.63	41.05	36.75	32.35	27.37	22.05	16.39
129	47.05	46.40	44.40	41.13	38.09	34.39	30.11	25.26	20.07	14.55
130	42.38	41.97	40.67	38.53	35.63	32.03	27.85	23.14	18.07	12.69
131	39.72	39.32	38.06	35.98	33.16	29.66	25.59	21.01	16.07	10.37
132	37.07	36.67	35.45	33.43	30.69	27.29	23.33	18.86	14.03	7.96
133	34.41	34.03	32.84	30.88	28.21	24.92	21.05	16.70	11.69	5.55
134	31.75	31.38	30.22	28.32	25.73	22.53	18.77	14.54	9.14	3.12
135	29.10	28.73	27.61	25.75	23.24	20.13	16.48	12.03	6.59	0.69
136	26.44	26.08	24.99	23.19	20.75	17.73	14.14	9.35	4.03	0.00
137	23.78	23.43	22.38	20.63	18.26	15.32	11.34	6.67	1.47	0.00
138	21.13	20.78	19.76	18.07	15.77	12.53	8.54	3.98	0.00	0.00
139	18.47	18.14	17.14	15.51	12.90	9.63	5.74	1.29	0.00	0.00
140	15.81	15.43	14.31	12.45	9.91	6.72	2.94	0.00	0.00	0.00
141	12.65	12.28	11.19	9.39	6.92	3.82	0.12	0.00	0.00	0.00
142	9.49	9.13	8.07	6.32	3.93	0.91	0.00	0.00	0.00	0.00
143	6.33	5.98	4.95	3.26	0.93	0.00	0.00	0.00	0.00	0.00
144	3.16	2.83	1.83	0.19	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**      **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78
1	1627.69	1627.84	1627.99	1628.29	1628.59	1628.73	1629.03	1629.33	1629.48	1629.33
2	1625.46	1625.76	1626.20	1626.65	1627.10	1627.54	1627.99	1628.59	1629.03	1628.73
3	1622.63	1622.93	1623.22	1623.67	1624.12	1624.71	1625.46	1626.20	1626.95	1626.35
4	1618.91	1619.20	1619.65	1620.25	1620.84	1621.74	1622.48	1623.37	1624.42	1623.82
5	1615.18	1615.48	1615.48	1615.78	1616.23	1616.97	1617.71	1618.76	1619.95	1619.35
6	1610.27	1610.27	1610.57	1611.01	1611.91	1612.80	1613.99	1615.33	1616.82	1615.93
7	1605.50	1605.65	1605.95	1606.25	1606.84	1607.74	1608.93	1610.42	1612.20	1611.31
8	1600.74	1600.14	1599.99	1600.44	1601.18	1602.08	1603.42	1605.06	1607.14	1605.95
9	1594.63	1594.33	1594.33	1594.63	1595.08	1595.97	1597.46	1599.25	1601.48	1600.29
10	1589.12	1588.53	1588.08	1587.93	1588.08	1588.68	1589.87	1591.50	1593.89	1592.40
11	1583.02	1581.97	1580.93	1580.34	1580.34	1580.93	1582.27	1584.21	1586.74	1585.25
12	1576.46	1574.68	1573.34	1572.74	1572.44	1573.04	1574.38	1576.61	1579.44	1577.80
13	1569.46	1567.38	1565.59	1564.40	1564.10	1564.70	1566.04	1568.42	1571.55	1569.61
14	1562.32	1559.34	1557.10	1555.76	1555.17	1555.32	1556.36	1558.44	1561.57	1559.79
15	1554.42	1550.85	1548.47	1546.53	1545.49	1545.34	1546.23	1548.47	1551.74	1549.81
16	1544.15	1542.36	1539.23	1536.85	1535.36	1534.47	1535.21	1537.30	1540.87	1538.94
17	1533.13	1533.58	1529.70	1526.28	1523.75	1523.30	1524.34	1526.72	1530.45	1528.21
18	1521.66	1521.81	1518.98	1515.11	1513.17	1511.98	1512.13	1514.22	1518.09	1515.70
19	1509.60	1508.71	1508.26	1504.39	1500.96	1499.47	1499.77	1501.86	1505.73	1503.64
20	1497.24	1495.60	1496.35	1492.18	1488.85	1486.83	1486.56	1488.51	1492.62	1490.39
21	1484.16	1482.96	1482.09	1480.52	1475.72	1473.26	1473.32	1475.68	1480.23	1477.82
22	1471.52	1468.91	1468.42	1467.22	1462.29	1459.90	1459.59	1461.47	1465.74	1463.57
23	1458.27	1455.26	1453.26	1453.22	1449.06	1445.97	1444.79	1446.59	1451.25	1448.77
24	1444.70	1440.86	1438.15	1438.45	1434.81	1430.60	1429.55	1431.31	1435.97	1433.58
25	1431.28	1426.00	1423.26	1422.36	1419.70	1415.62	1414.29	1416.03	1420.87	1418.45
26	1416.96	1411.31	1407.78	1405.74	1405.00	1400.34	1397.97	1399.23	1404.12	1401.63
27	1402.63	1396.39	1391.49	1389.42	1389.60	1383.40	1381.57	1383.08	1388.07	1385.30
28	1388.39	1380.90	1375.38	1372.64	1372.03	1367.81	1364.88	1365.74	1370.58	1368.14
29	1373.52	1365.22	1359.10	1354.98	1355.04	1350.84	1347.92	1349.23	1354.59	1351.55
30	1357.33	1349.35	1342.21	1337.98	1336.79	1334.11	1330.11	1330.43	1335.47	1333.03
31	1339.49	1333.47	1325.28	1320.07	1318.64	1315.77	1311.28	1311.70	1317.02	1314.47
32	1321.14	1317.36	1308.08	1302.12	1299.07	1297.24	1292.85	1293.05	1298.06	1295.65
33	1302.85	1299.21	1290.58	1283.33	1279.52	1279.56	1274.28	1274.22	1279.67	1276.78
34	1284.51	1279.67	1273.06	1264.25	1260.58	1260.81	1254.84	1254.50	1259.97	1257.36
35	1266.04	1260.11	1254.50	1245.46	1240.98	1240.49	1235.10	1234.65	1240.17	1237.49
36	1246.99	1240.69	1236.29	1226.64	1220.81	1219.80	1215.13	1214.20	1219.70	1217.39

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

37	1228.07	1220.62	1215.72	1207.58	1200.43	1198.83	1194.99	1193.90	1199.13	1196.70
38	1209.30	1200.35	1194.96	1187.84	1179.89	1178.01	1174.66	1172.74	1178.33	1175.86
39	1190.82	1180.13	1174.26	1167.86	1159.31	1156.54	1153.16	1151.30	1156.82	1154.43
40	1171.63	1159.98	1152.85	1148.01	1138.49	1134.32	1131.98	1129.84	1135.51	1132.92
41	1152.16	1139.79	1131.28	1127.28	1117.03	1112.43	1110.61	1108.07	1113.56	1111.27
42	1132.33	1119.44	1109.81	1104.66	1095.65	1090.41	1089.01	1085.85	1091.49	1089.17
43	1110.73	1098.95	1088.31	1082.10	1074.55	1068.01	1066.95	1063.96	1069.36	1066.82
44	1089.24	1078.39	1066.50	1059.39	1052.59	1045.49	1045.42	1040.70	1046.03	1043.85
45	1067.74	1057.91	1044.79	1036.90	1031.02	1022.91	1021.98	1017.87	1023.50	1021.25
46	1046.25	1035.77	1023.15	1013.71	1008.92	999.62	999.06	994.56	999.61	997.75
47	1024.84	1013.16	1001.51	990.87	986.24	976.84	975.25	970.73	975.90	974.32
48	1003.61	990.73	979.67	967.84	962.53	953.59	950.69	947.49	952.65	951.18
49	982.24	968.45	957.84	944.46	938.54	930.00	927.14	923.91	928.93	927.40
50	960.62	946.13	934.47	921.52	914.20	906.56	902.89	899.56	904.23	903.03
51	939.55	923.67	910.87	898.72	889.81	883.09	878.19	875.56	880.76	879.22
52	918.78	901.34	887.25	875.72	865.45	859.76	853.59	851.33	856.21	854.86
53	897.33	879.18	863.91	852.64	840.99	836.08	829.04	826.77	831.40	830.32
54	874.65	856.99	840.80	829.26	816.72	812.24	804.09	801.55	805.80	805.30
55	851.82	834.93	817.66	804.94	792.43	787.79	778.92	776.56	781.29	780.55
56	829.33	812.61	794.26	780.09	767.98	761.95	753.64	751.55	755.74	755.41
57	807.16	789.53	771.28	755.68	743.94	736.63	728.63	726.40	730.26	730.42
58	785.02	766.64	748.54	731.57	719.82	710.48	703.56	700.97	704.72	705.13
59	763.06	743.50	725.85	707.53	695.83	685.27	678.30	675.71	679.09	679.49
60	741.34	720.50	702.20	683.88	670.90	659.64	653.01	650.30	652.88	653.83
61	719.88	697.70	678.45	660.41	645.69	634.03	627.86	624.30	627.10	628.02
62	698.40	675.38	654.93	637.09	620.80	608.50	602.65	598.20	600.73	602.20
63	676.75	653.46	631.67	613.68	595.72	583.29	577.15	572.21	574.73	576.42
64	655.19	631.63	608.71	589.65	570.94	558.30	551.82	546.19	548.14	550.71
65	633.92	609.75	585.92	565.57	546.65	533.34	525.79	519.85	521.70	524.11
66	612.79	587.83	563.44	541.73	522.87	508.19	499.30	493.27	495.10	497.29
67	591.96	566.21	541.28	518.26	499.39	482.66	473.00	466.67	469.32	470.84
68	571.38	544.93	519.12	495.20	475.75	457.38	446.49	440.09	442.95	444.26
69	551.00	524.03	497.21	472.39	451.39	432.15	420.68	413.49	415.59	417.60
70	530.94	503.36	475.63	450.02	427.52	407.18	394.56	387.15	388.23	391.32
71	511.33	482.93	454.31	427.82	404.02	382.89	368.73	361.03	361.71	365.23
72	491.99	462.90	433.19	405.91	380.74	359.10	343.63	335.08	335.53	339.40
73	472.88	443.32	412.37	384.48	358.06	335.75	319.15	309.46	309.74	313.89
74	453.97	424.02	392.22	363.39	336.02	312.24	294.40	284.35	284.05	288.81
75	435.28	404.97	372.94	342.78	314.41	289.26	270.01	259.46	258.20	264.02
76	416.81	386.19	354.01	322.69	293.45	267.07	246.40	235.11	233.15	239.75
77	398.75	367.71	335.46	303.44	273.09	245.57	223.59	210.83	208.41	215.50
78	381.89	349.51	317.30	284.79	253.36	224.87	201.53	186.57	184.30	191.44
79	365.26	332.58	299.51	266.63	234.27	204.68	179.79	163.20	160.80	168.29
80	348.86	316.17	282.37	249.01	216.08	185.36	158.85	140.77	137.88	146.25
81	332.64	300.03	266.24	231.96	198.52	167.13	139.15	119.59	115.98	125.47
82	316.63	284.15	250.45	216.07	181.59	149.93	120.75	99.64	94.82	105.92
83	300.85	268.55	235.03	200.77	165.39	133.62	103.95	81.21	74.53	87.94
84	286.03	253.22	219.94	185.85	151.03	118.14	88.58	64.50	55.21	71.80
85	272.30	239.39	205.23	171.39	137.29	104.03	74.37	48.64	37.80	56.50
86	258.73	226.12	192.24	157.75	124.07	91.57	61.37	35.14	23.20	43.58
87	245.35	213.06	179.54	145.55	111.89	79.82	50.39	24.67	11.89	33.60
88	232.11	200.18	167.09	133.68	100.80	69.37	40.95	16.37	5.12	25.53
89	219.02	187.49	154.86	122.12	90.10	59.89	32.98	10.85	3.42	20.05
90	206.08	174.97	142.86	110.84	79.75	50.87	25.86	7.20	1.71	16.12
91	195.44	164.76	133.23	101.90	71.75	44.12	20.95	5.32	0.00	13.69
92	184.93	154.70	123.78	93.16	63.98	37.65	16.62	4.14	0.00	11.80

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

93	174.53	144.76	114.48	84.61	56.41	32.01	13.38	3.51	0.00	10.40
94	164.23	134.95	105.31	76.20	50.00	27.51	10.73	3.25	0.00	9.40
95	154.00	125.23	96.25	69.40	44.53	23.06	8.98	3.15	0.00	8.62
96	143.84	116.10	89.27	63.21	39.13	19.80	7.41	2.87	0.00	7.46
97	134.94	108.72	82.46	57.09	33.77	17.26	6.51	0.23	0.00	0.59
98	127.15	101.41	75.72	51.01	30.40	14.67	5.53	0.00	0.00	0.00
99	119.40	94.14	69.03	45.53	27.22	12.70	5.04	0.00	0.00	0.00
100	111.71	86.94	62.38	41.77	24.03	11.34	4.74	0.00	0.00	0.00
101	104.07	79.76	57.37	38.02	20.80	9.94	4.40	0.00	0.00	0.00
102	96.45	73.12	53.12	34.27	18.82	8.48	3.54	0.00	0.00	0.00
103	88.86	68.43	48.89	30.49	17.07	7.73	1.67	0.00	0.00	0.00
104	83.35	63.76	44.65	27.19	15.29	7.21	0.00	0.00	0.00	0.00
105	78.25	59.08	40.39	25.10	13.46	6.65	0.00	0.00	0.00	0.00
106	73.16	54.40	36.11	23.01	11.57	6.06	0.00	0.00	0.00	0.00
107	68.08	49.70	33.50	20.88	10.85	5.44	0.00	0.00	0.00	0.00
108	63.00	45.00	31.07	18.70	10.12	3.88	0.00	0.00	0.00	0.00
109	57.92	41.62	28.61	16.49	9.35	2.17	0.00	0.00	0.00	0.00
110	52.84	38.88	26.13	14.88	8.56	0.48	0.00	0.00	0.00	0.00
111	49.05	36.11	23.62	13.96	7.73	0.00	0.00	0.00	0.00	0.00
112	46.00	33.33	21.08	13.02	6.86	0.00	0.00	0.00	0.00	0.00
113	42.94	30.53	18.86	12.03	5.27	0.00	0.00	0.00	0.00	0.00
114	39.85	27.71	17.73	11.01	3.53	0.00	0.00	0.00	0.00	0.00
115	36.75	24.87	16.57	9.95	1.80	0.00	0.00	0.00	0.00	0.00
116	33.63	22.45	15.39	8.87	0.06	0.00	0.00	0.00	0.00	0.00
117	30.49	21.10	14.19	7.56	0.00	0.00	0.00	0.00	0.00	0.00
118	27.34	19.72	12.95	5.74	0.00	0.00	0.00	0.00	0.00	0.00
119	25.26	18.32	11.69	3.90	0.00	0.00	0.00	0.00	0.00	0.00
120	23.70	16.91	10.40	2.06	0.00	0.00	0.00	0.00	0.00	0.00
121	22.11	15.47	8.95	0.21	0.00	0.00	0.00	0.00	0.00	0.00
122	20.51	14.01	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	18.89	12.52	5.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	17.27	11.01	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	15.63	9.11	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	13.96	7.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	12.27	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	10.28	2.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	8.05	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	3.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	1.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**      **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78
1	1629.18	1629.03	1628.88	1628.73	1628.59	1628.44	1628.44	1628.29	1628.14	1628.14
2	1628.44	1628.14	1627.84	1627.54	1627.25	1627.10	1626.95	1626.65	1626.50	1626.35
3	1625.91	1625.61	1625.31	1625.01	1624.86	1624.71	1624.71	1624.71	1624.71	1624.57
4	1623.22	1622.78	1622.33	1622.03	1621.74	1621.59	1621.59	1621.59	1621.88	1622.18
5	1618.76	1618.46	1618.31	1618.16	1618.31	1618.46	1618.46	1618.46	1618.61	1618.91
6	1615.18	1614.74	1614.29	1614.14	1614.14	1614.44	1614.74	1615.18	1615.63	1615.93
7	1610.57	1610.12	1609.82	1609.97	1610.12	1610.42	1611.01	1611.76	1612.35	1613.10
8	1605.21	1604.76	1604.61	1604.91	1605.50	1606.10	1606.84	1607.89	1608.93	1609.97
9	1599.40	1598.95	1598.80	1599.25	1599.99	1601.04	1602.53	1603.72	1605.06	1606.84
10	1591.65	1591.50	1592.10	1593.29	1594.19	1595.53	1597.16	1599.40	1601.04	1602.97
11	1584.51	1584.21	1584.36	1585.10	1587.19	1589.87	1591.65	1594.04	1597.01	1599.10
12	1576.76	1576.61	1577.21	1578.55	1579.89	1581.97	1585.85	1588.82	1591.95	1595.38
13	1568.72	1568.42	1569.17	1570.66	1573.19	1575.57	1578.25	1583.17	1586.74	1587.34
14	1559.04	1559.34	1560.68	1562.47	1565.00	1568.72	1572.44	1575.87	1577.95	1578.55
15	1548.91	1549.36	1551.00	1553.53	1556.96	1560.68	1565.59	1566.78	1567.68	1569.76
16	1538.19	1538.94	1540.87	1543.85	1548.02	1552.79	1555.76	1557.40	1557.85	1560.98
17	1527.47	1528.21	1530.45	1533.87	1538.34	1544.15	1545.19	1546.83	1549.21	1550.85
18	1515.26	1516.75	1519.73	1523.60	1528.66	1532.38	1534.02	1536.11	1539.23	1541.47
19	1503.20	1504.39	1507.37	1512.73	1518.83	1520.47	1522.56	1525.24	1528.96	1532.83

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

20	1490.24	1492.32	1495.90	1500.37	1506.62	1508.26	1510.79	1514.36	1518.39	1523.45
21	1477.51	1479.32	1483.45	1489.79	1492.47	1495.60	1498.88	1503.20	1507.81	1513.62
22	1463.85	1466.49	1470.91	1477.30	1479.80	1481.74	1486.55	1491.73	1497.24	1503.34
23	1449.12	1452.41	1457.92	1464.42	1465.52	1468.82	1473.71	1479.83	1486.58	1492.92
24	1434.07	1437.34	1443.70	1449.66	1451.45	1455.23	1460.68	1467.86	1475.78	1482.59
25	1419.06	1422.62	1428.97	1433.64	1436.84	1441.27	1447.86	1455.60	1464.18	1468.80
26	1402.82	1407.80	1414.71	1417.37	1421.33	1427.59	1434.31	1443.27	1450.52	1454.90
27	1386.16	1390.70	1399.73	1401.45	1405.44	1412.44	1420.87	1430.58	1435.51	1440.78
28	1369.56	1374.54	1381.81	1385.03	1389.73	1397.24	1407.54	1415.08	1420.13	1425.88
29	1352.71	1358.24	1364.30	1367.26	1373.81	1382.02	1392.56	1398.68	1404.63	1411.07
30	1335.10	1341.28	1346.92	1349.87	1357.12	1366.58	1376.64	1382.66	1389.09	1396.54
31	1316.75	1323.70	1328.38	1332.85	1340.17	1350.93	1359.16	1365.88	1373.32	1381.84
32	1298.27	1305.70	1309.61	1314.80	1323.32	1335.18	1341.28	1348.65	1357.31	1366.67
33	1279.44	1287.60	1290.61	1296.29	1306.62	1317.30	1323.30	1331.67	1341.56	1351.63
34	1260.31	1268.71	1271.46	1277.82	1288.72	1298.31	1305.45	1314.53	1325.77	1336.91
35	1240.92	1249.03	1252.00	1259.37	1270.51	1279.61	1287.60	1297.25	1309.47	1321.96
36	1221.17	1228.56	1232.13	1240.71	1252.89	1259.61	1269.41	1280.07	1293.20	1304.09
37	1201.20	1208.07	1211.88	1222.32	1232.82	1239.73	1251.10	1262.99	1276.69	1285.82
38	1180.46	1187.11	1191.69	1201.99	1212.47	1220.07	1232.41	1245.95	1257.43	1267.71
39	1159.58	1165.54	1171.37	1182.47	1192.47	1200.49	1213.16	1228.97	1238.25	1249.57
40	1138.25	1143.85	1150.70	1162.75	1170.39	1180.72	1194.37	1209.88	1219.18	1231.34
41	1116.91	1121.92	1129.44	1142.59	1149.18	1160.99	1175.74	1189.12	1200.17	1213.14
42	1095.57	1099.67	1108.84	1120.47	1127.99	1140.89	1156.50	1168.42	1181.08	1194.81
43	1073.49	1077.67	1086.77	1097.82	1106.74	1120.41	1135.27	1147.77	1161.99	1176.61
44	1051.11	1055.22	1065.25	1075.90	1085.76	1100.26	1114.13	1127.69	1142.93	1158.27
45	1028.66	1032.27	1043.93	1052.50	1064.06	1080.04	1092.74	1107.93	1123.90	1140.01
46	1005.86	1009.56	1022.10	1029.81	1042.53	1058.03	1071.39	1087.41	1104.48	1121.11
47	981.68	986.67	999.71	1007.20	1020.89	1035.80	1050.09	1067.10	1085.27	1100.80
48	958.03	963.48	975.89	984.46	999.27	1013.53	1028.89	1047.17	1065.28	1080.44
49	934.50	940.06	951.76	961.74	978.03	991.33	1007.68	1027.22	1044.18	1059.98
50	909.75	917.26	927.81	938.91	954.59	969.07	986.46	1006.95	1023.38	1039.58
51	885.07	893.62	903.30	916.02	931.17	946.79	965.49	984.85	1002.65	1019.40
52	860.88	869.93	879.80	893.15	908.16	924.60	944.73	962.93	981.44	999.33
53	835.95	846.49	855.38	870.26	884.60	902.53	923.45	941.14	960.41	979.39
54	811.17	822.81	830.94	847.22	861.35	880.56	900.99	919.52	939.59	959.64
55	786.01	798.19	806.73	823.27	838.37	858.82	878.49	897.97	918.88	940.04
56	761.34	772.58	782.53	798.46	815.65	836.56	855.86	876.62	898.25	919.58
57	736.20	747.09	758.54	773.97	792.58	813.10	833.40	855.37	877.73	898.73
58	710.96	722.11	734.56	749.77	769.72	789.81	811.12	834.23	856.69	878.03
59	685.73	696.27	710.85	725.88	747.28	766.97	789.10	813.25	835.66	857.48
60	660.43	670.78	686.00	702.07	723.73	744.35	767.40	791.84	814.83	837.06
61	635.29	645.30	660.56	678.48	699.91	721.89	745.94	770.32	794.07	816.71
62	610.06	619.82	635.38	655.17	676.23	699.39	724.45	748.96	773.43	796.39
63	584.60	594.79	611.00	632.16	652.86	677.05	702.68	727.82	753.00	776.18
64	559.57	570.01	586.34	608.20	629.77	655.14	680.98	706.86	732.60	756.15
65	533.83	544.76	561.90	583.97	606.88	633.13	659.58	686.15	712.33	736.66
66	507.46	520.31	537.82	559.76	584.36	610.97	638.39	665.57	692.21	717.35
67	481.00	494.37	514.34	536.35	562.17	589.17	617.48	645.18	672.39	698.12
68	454.56	469.14	490.87	513.33	539.91	567.83	596.78	625.02	652.76	678.73
69	428.99	444.09	466.48	490.45	517.97	546.76	576.32	605.14	633.33	659.24
70	402.81	419.21	442.37	468.02	496.42	526.01	556.13	585.48	613.95	639.95
71	377.02	394.94	418.90	445.85	475.20	505.70	536.04	566.07	594.68	620.83
72	352.08	371.36	395.77	423.60	454.06	485.61	516.27	546.73	575.57	601.92
73	327.73	348.00	373.25	401.96	433.24	465.66	496.86	527.61	556.63	583.18
74	303.02	324.41	351.11	380.94	412.78	446.03	477.79	508.72	537.87	565.28
75	278.67	301.47	329.37	360.31	392.91	426.70	459.00	490.06	519.88	547.96

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**CANDELA TABULATION - (Cont.)**

76	255.19	279.42	308.50	340.13	373.62	407.71	440.43	472.02	502.46	530.76
77	232.51	258.06	288.11	320.76	354.85	389.08	422.26	454.70	485.18	513.65
78	210.63	237.15	268.35	302.01	336.47	370.80	405.12	437.57	468.07	496.71
79	188.96	216.98	249.20	283.72	318.55	353.59	388.19	420.62	451.05	479.85
80	168.15	197.69	230.75	265.96	301.34	336.89	371.47	403.84	434.18	463.11
81	148.62	179.39	213.01	248.74	284.99	320.46	354.88	387.24	417.45	446.45
82	130.38	162.11	195.95	232.60	268.95	304.30	338.52	370.82	400.89	430.23
83	113.70	145.71	179.63	217.07	253.21	288.43	322.41	354.74	385.66	415.28
84	98.48	130.18	165.12	201.96	237.84	272.85	307.27	340.31	371.09	400.40
85	84.30	116.00	151.23	187.34	222.84	258.67	293.18	326.03	356.63	385.60
86	71.39	103.41	137.89	173.46	209.54	245.06	279.27	311.90	342.28	370.88
87	60.48	91.56	125.48	160.91	196.53	231.67	265.54	297.88	328.04	356.23
88	51.06	80.88	114.06	148.71	183.77	218.50	251.96	284.00	313.89	341.67
89	42.90	71.08	103.06	136.83	171.24	205.51	238.54	270.24	299.85	327.16
90	35.57	61.78	92.42	125.23	158.96	192.69	225.27	256.59	285.88	312.72
91	30.29	54.74	84.05	115.93	148.93	182.08	214.25	245.20	274.18	300.77
92	25.58	47.98	75.95	106.84	139.11	171.62	203.35	233.91	262.56	288.87
93	21.85	41.99	68.05	97.94	129.43	161.29	192.57	222.71	251.00	277.05
94	18.70	37.03	61.25	89.20	119.90	151.09	181.89	211.59	239.52	265.27
95	16.40	32.15	55.34	81.97	110.49	141.02	171.30	200.55	228.10	253.54
96	14.35	28.44	49.52	75.33	103.07	131.50	160.80	189.57	216.74	241.83
97	12.98	25.43	43.75	68.77	95.82	123.68	151.50	178.66	205.43	230.19
98	11.56	22.40	39.90	62.26	88.63	115.93	143.24	169.74	194.86	218.57
99	10.65	19.99	36.25	56.36	81.50	108.23	135.04	161.09	185.85	208.76
100	9.95	18.21	32.59	52.12	74.41	100.59	126.89	152.49	176.89	199.46
101	9.23	16.40	28.89	47.89	68.93	92.98	118.77	143.93	167.95	190.20
102	7.42	14.53	26.48	43.65	64.20	85.88	110.68	135.42	159.06	180.97
103	3.44	13.42	24.32	39.39	59.49	80.70	102.63	126.93	150.17	171.75
104	0.00	12.57	22.13	35.64	54.78	75.53	96.63	118.47	141.31	162.56
105	0.00	11.68	19.90	33.15	50.05	70.38	91.04	111.44	132.46	153.39
106	0.00	10.77	17.62	30.62	45.30	65.22	85.47	105.49	124.70	144.23
107	0.00	9.82	16.57	28.07	42.25	60.05	79.89	99.55	118.41	136.11
108	0.00	6.92	15.51	25.47	39.39	54.87	74.32	93.61	112.13	129.54
109	0.00	3.82	14.43	22.84	36.50	51.02	68.75	87.67	105.86	122.97
110	0.00	0.83	13.31	20.86	33.58	47.81	63.18	81.74	99.60	116.40
111	0.00	0.00	12.16	19.61	30.63	44.59	58.93	75.81	93.34	109.84
112	0.00	0.00	10.98	18.35	27.65	41.36	55.41	69.88	87.09	103.28
113	0.00	0.00	8.39	17.05	25.02	38.11	51.89	65.62	80.83	96.72
114	0.00	0.00	5.56	15.71	23.57	34.83	48.35	61.79	74.87	90.15
115	0.00	0.00	2.80	14.34	22.10	31.52	44.79	57.96	70.79	83.58
116	0.00	0.00	0.09	12.93	20.60	28.69	41.19	54.12	66.70	78.55
117	0.00	0.00	0.00	11.14	19.05	27.01	37.58	50.26	62.60	74.20
118	0.00	0.00	0.00	8.39	17.49	25.30	33.95	46.40	58.49	69.84
119	0.00	0.00	0.00	5.66	15.91	23.57	31.47	42.53	54.36	65.48
120	0.00	0.00	0.00	2.97	14.29	21.83	29.57	38.63	50.22	61.11
121	0.00	0.00	0.00	0.30	12.40	20.06	27.65	35.29	46.07	56.74
122	0.00	0.00	0.00	0.00	9.62	18.26	25.71	33.19	41.91	52.35
123	0.00	0.00	0.00	0.00	6.87	16.44	23.75	31.08	38.24	47.96
124	0.00	0.00	0.00	0.00	4.14	14.60	21.78	28.96	35.95	43.56
125	0.00	0.00	0.00	0.00	1.43	12.11	19.78	26.82	33.65	40.13
126	0.00	0.00	0.00	0.00	0.00	9.28	17.77	24.67	31.34	37.65
127	0.00	0.00	0.00	0.00	0.00	6.47	15.73	22.49	29.02	35.17
128	0.00	0.00	0.00	0.00	0.00	3.68	13.21	20.30	26.68	32.68
129	0.00	0.00	0.00	0.00	0.00	0.90	10.30	18.10	24.33	30.19
130	0.00	0.00	0.00	0.00	0.00	0.00	7.39	15.87	21.96	27.69
131	0.00	0.00	0.00	0.00	0.00	0.00	4.49	12.93	19.58	25.17

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**CANDELA TABULATION - (Cont.)**

132	0.00	0.00	0.00	0.00	0.00	0.00	1.60	9.91	17.18	22.64
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.88	14.33	20.10
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.86	11.19	17.55
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	8.05	14.51
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.91	11.26
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	8.01
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.78
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**      **Horizontal Angles**

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>	<u>185</u>	<u>190</u>	<u>195</u>
<b>0</b>	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78
<b>1</b>	1627.99	1627.99	1627.99	1627.84	1627.84	1627.84	1627.84	1627.99	1627.99	1627.99
<b>2</b>	1626.35	1626.20	1626.05	1626.05	1626.05	1626.05	1626.05	1626.05	1626.20	1626.35

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**CANDELA TABULATION - (Cont.)**

3	1624.42	1624.42	1624.27	1624.27	1624.12	1624.12	1624.12	1624.27	1624.42	1624.71
4	1622.48	1622.48	1622.33	1622.33	1622.33	1622.33	1622.33	1622.48	1622.63	1622.93
5	1619.50	1620.25	1620.40	1620.40	1620.40	1620.40	1620.40	1620.69	1620.84	1620.54
6	1616.37	1617.27	1618.31	1618.46	1618.61	1618.46	1618.61	1618.76	1619.06	1618.31
7	1613.55	1614.14	1615.48	1616.52	1616.67	1616.67	1616.67	1616.97	1616.82	1615.93
8	1610.72	1611.46	1612.50	1614.29	1614.74	1614.74	1614.89	1615.18	1614.74	1613.55
9	1607.89	1608.78	1609.67	1611.61	1612.65	1612.95	1612.95	1613.40	1612.50	1611.16
10	1605.21	1606.10	1606.99	1608.78	1610.72	1611.16	1611.01	1611.61	1610.42	1608.78
11	1601.63	1603.57	1602.82	1602.97	1604.61	1604.61	1604.31	1605.06	1604.16	1603.42
12	1595.82	1596.57	1595.97	1595.82	1597.61	1597.76	1597.61	1598.21	1597.31	1596.42
13	1587.93	1588.53	1588.82	1588.82	1590.31	1591.06	1590.91	1591.36	1590.31	1589.57
14	1580.04	1580.63	1581.68	1581.83	1583.17	1584.21	1584.21	1584.51	1583.46	1582.72
15	1571.40	1572.89	1574.23	1574.97	1576.02	1577.36	1577.36	1577.66	1576.61	1575.57
16	1562.76	1565.00	1566.49	1567.98	1568.87	1570.51	1570.66	1570.81	1569.76	1568.57
17	1554.28	1557.10	1558.89	1560.68	1561.72	1563.66	1563.95	1563.95	1563.06	1561.72
18	1545.64	1548.62	1551.30	1553.38	1554.72	1556.81	1557.25	1557.10	1556.21	1554.72
19	1536.40	1540.28	1543.55	1545.94	1547.87	1549.96	1550.40	1550.40	1549.21	1547.72
20	1527.02	1531.94	1535.81	1538.34	1541.02	1543.11	1543.70	1543.70	1542.21	1540.57
21	1518.09	1523.60	1528.07	1529.41	1531.04	1532.23	1532.53	1532.83	1532.09	1531.64
22	1509.60	1514.51	1516.60	1517.94	1519.87	1521.07	1521.51	1521.51	1520.77	1519.87
23	1499.62	1501.71	1504.39	1506.32	1508.71	1509.75	1510.34	1510.34	1509.45	1508.11
24	1486.43	1488.99	1492.32	1494.86	1497.24	1498.58	1499.17	1499.03	1498.13	1496.35
25	1472.86	1476.45	1480.13	1483.06	1485.76	1487.41	1488.12	1487.84	1486.90	1484.52
26	1458.97	1463.85	1467.89	1471.37	1474.22	1476.23	1477.00	1476.63	1475.59	1472.64
27	1445.25	1451.12	1455.63	1459.70	1462.66	1465.04	1465.89	1465.43	1464.21	1460.77
28	1431.76	1438.04	1443.34	1448.05	1451.12	1453.87	1454.77	1454.25	1452.79	1448.90
29	1418.31	1424.98	1431.15	1436.20	1439.58	1442.73	1443.64	1443.08	1441.32	1436.97
30	1404.55	1411.77	1419.07	1424.36	1428.04	1431.59	1432.53	1431.92	1429.79	1425.07
31	1390.75	1398.51	1406.81	1412.09	1414.38	1417.12	1417.76	1417.43	1415.96	1412.77
32	1376.45	1385.33	1392.70	1396.73	1399.38	1402.27	1403.00	1402.59	1400.77	1397.40
33	1362.08	1370.55	1376.60	1381.26	1384.40	1387.43	1388.23	1387.71	1385.59	1381.96
34	1346.99	1354.10	1360.56	1365.71	1369.41	1372.58	1373.46	1372.80	1370.46	1366.46
35	1330.00	1337.61	1344.51	1350.21	1354.42	1357.73	1358.70	1357.88	1355.35	1351.00
36	1312.91	1320.93	1328.51	1334.75	1339.46	1342.87	1343.93	1342.93	1340.26	1335.57
37	1295.29	1304.37	1312.58	1319.32	1324.48	1328.01	1329.17	1327.96	1325.21	1320.19
38	1277.79	1287.81	1296.51	1303.90	1309.50	1313.11	1314.40	1313.01	1310.08	1304.77
39	1260.69	1270.97	1280.28	1288.42	1294.50	1298.22	1299.62	1298.04	1294.96	1289.36
40	1243.70	1254.20	1264.05	1272.94	1279.52	1283.35	1284.86	1283.11	1279.86	1273.96
41	1226.46	1237.58	1247.80	1257.37	1263.02	1266.15	1267.43	1266.03	1263.30	1258.51
42	1208.74	1221.19	1231.12	1239.37	1245.39	1248.65	1250.00	1248.68	1245.67	1240.55
43	1191.06	1204.36	1212.71	1221.32	1227.75	1231.13	1232.58	1231.30	1228.04	1222.41
44	1173.62	1185.46	1194.34	1203.27	1210.12	1213.62	1215.14	1213.90	1210.42	1204.28
45	1154.11	1166.26	1175.97	1185.22	1192.46	1196.09	1197.72	1196.48	1192.77	1186.22
46	1134.46	1147.13	1157.67	1167.19	1174.74	1178.57	1180.28	1179.06	1175.11	1168.20
47	1114.92	1128.05	1139.35	1149.15	1157.06	1161.02	1162.85	1161.60	1157.46	1150.23
48	1095.54	1109.20	1120.99	1131.10	1139.40	1143.48	1145.42	1144.12	1139.85	1132.28
49	1076.06	1090.42	1102.62	1113.04	1121.78	1125.92	1127.99	1126.64	1122.26	1114.35
50	1056.36	1071.72	1084.22	1095.02	1104.18	1108.36	1110.57	1109.12	1104.69	1096.45
51	1036.69	1052.76	1065.92	1076.97	1085.79	1089.63	1091.72	1090.36	1086.28	1078.57
52	1017.12	1033.73	1047.38	1057.78	1066.76	1070.78	1072.86	1071.46	1067.22	1059.36
53	997.72	1014.50	1027.96	1038.63	1047.74	1051.92	1054.01	1052.58	1048.14	1040.13
54	978.46	994.49	1008.54	1019.53	1028.66	1033.12	1035.16	1033.73	1029.05	1020.87
55	958.27	974.58	989.04	1000.47	1009.57	1014.31	1016.30	1014.86	1009.96	1001.60
56	938.21	954.74	969.59	981.40	990.51	995.50	997.45	995.99	990.88	982.38
57	918.21	934.99	950.18	962.32	971.48	976.69	978.61	977.12	971.82	963.21
58	898.13	915.31	930.84	943.23	952.46	957.88	959.76	958.22	952.76	944.09

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**CANDELA TABULATION - (Cont.)**

59	877.87	895.72	911.51	924.12	933.47	939.07	940.90	939.34	933.71	925.01
60	857.82	876.15	892.16	905.01	914.50	920.28	922.05	920.44	914.68	905.98
61	837.96	856.62	872.89	885.94	895.66	901.60	903.44	901.71	895.84	886.94
62	818.22	837.09	853.70	867.09	876.93	882.96	884.84	883.02	877.11	868.02
63	798.60	817.75	834.62	848.26	858.19	864.30	866.22	864.34	858.40	849.14
64	779.09	798.54	815.59	829.47	839.49	845.66	847.61	845.67	839.71	830.32
65	759.71	779.42	796.63	810.70	820.79	827.01	828.99	827.03	821.02	811.54
66	740.37	760.34	777.76	791.96	802.08	808.35	810.39	808.37	802.36	792.80
67	721.13	741.34	758.92	773.24	783.41	789.72	791.78	789.74	783.72	774.11
68	701.99	722.39	740.13	754.55	764.75	771.08	773.16	771.11	765.09	755.45
69	682.98	703.50	721.38	735.89	746.09	752.43	754.55	752.49	746.46	736.85
70	664.06	684.67	702.68	717.18	727.46	733.79	735.93	733.88	727.85	718.18
71	645.21	665.92	684.00	698.97	709.74	716.33	718.58	716.39	710.11	699.91
72	626.45	647.56	666.51	681.56	692.37	698.97	701.22	699.00	692.70	682.38
73	608.35	630.18	649.19	664.18	675.01	681.62	683.87	681.61	675.29	664.87
74	590.93	612.86	631.88	646.85	657.67	664.26	666.51	664.21	657.90	647.40
75	573.58	595.62	614.61	629.53	640.34	646.91	649.16	646.83	640.49	629.98
76	556.32	578.43	597.35	612.25	623.02	629.56	631.79	629.44	623.11	612.57
77	539.16	561.31	580.13	594.99	605.70	612.21	614.44	612.05	605.72	595.20
78	522.10	544.24	562.93	577.78	588.40	594.86	597.08	594.67	588.34	577.87
79	505.12	527.22	545.76	560.56	571.11	577.51	579.73	577.27	570.96	560.55
80	488.23	510.26	528.62	543.39	553.82	560.16	562.37	559.89	553.58	543.26
81	471.42	493.48	512.24	527.40	538.11	544.63	546.91	544.39	537.90	527.27
82	455.78	478.27	496.93	512.02	522.68	529.19	531.43	528.96	522.53	511.94
83	440.73	463.10	481.65	496.63	507.25	513.73	515.98	513.55	507.16	496.62
84	425.73	447.97	466.40	481.28	491.84	498.27	500.50	498.12	491.79	481.31
85	410.80	432.86	451.18	465.93	476.42	482.83	485.05	482.71	476.44	466.01
86	395.92	417.81	435.99	450.59	461.01	467.37	469.57	467.28	461.09	450.75
87	381.09	402.77	420.83	435.26	445.61	451.93	454.12	451.87	445.75	435.49
88	366.31	387.79	405.69	419.94	430.21	436.48	438.64	436.45	430.41	420.24
89	351.58	372.82	390.57	404.64	414.83	421.03	423.19	421.04	415.07	404.99
90	336.90	357.88	375.47	389.35	399.45	405.58	407.71	405.63	399.75	389.77
91	324.73	345.54	362.96	376.74	386.73	392.84	394.94	392.87	387.01	377.11
92	312.60	333.21	350.47	364.12	374.04	380.09	382.16	380.09	374.28	364.45
93	300.51	320.91	337.99	351.54	361.34	367.33	369.38	367.33	361.56	351.81
94	288.44	308.64	325.52	338.96	348.65	354.58	356.60	354.56	348.84	339.18
95	276.42	296.38	313.07	326.37	335.96	341.83	343.83	341.80	336.13	326.55
96	264.44	284.15	300.65	313.82	323.27	329.08	331.03	329.02	323.41	313.94
97	252.49	271.96	288.23	301.25	310.59	316.34	318.26	316.26	310.69	301.32
98	240.56	259.76	275.84	288.70	297.91	303.59	305.48	303.51	297.99	288.74
99	229.41	247.59	263.45	276.14	285.24	290.84	292.70	290.75	285.29	276.14
100	219.85	237.62	252.52	264.42	272.93	278.20	279.92	278.08	272.95	264.39
101	210.33	227.85	242.58	254.31	262.74	267.95	269.65	267.83	262.77	254.31
102	200.82	218.11	232.64	244.23	252.55	257.71	259.39	257.60	252.58	244.23
103	191.33	208.37	222.72	234.13	242.37	247.46	249.11	247.36	242.40	234.16
104	181.85	198.63	212.81	224.05	232.18	237.21	238.85	237.12	232.23	224.09
105	172.37	188.92	202.89	213.98	221.99	226.97	228.58	226.88	222.05	214.03
106	162.92	179.21	192.99	203.90	211.82	216.72	218.32	216.63	211.88	203.96
107	153.48	169.52	183.07	193.83	201.65	206.48	208.04	206.40	201.71	193.91
108	145.35	159.84	173.16	183.78	191.48	196.23	197.77	196.16	191.54	183.86
109	138.50	152.09	163.56	173.73	181.31	185.99	187.50	185.93	181.38	173.79
110	131.66	145.03	156.31	165.35	171.88	175.93	177.23	175.87	171.96	165.41
111	124.82	137.97	149.05	157.93	164.38	168.34	169.63	168.29	164.44	157.97
112	117.99	130.90	141.80	150.53	156.86	160.74	162.02	160.71	156.92	150.56
113	111.16	123.84	134.55	143.12	149.35	153.15	154.41	153.13	149.40	143.15
114	104.33	116.78	127.30	135.71	141.83	145.56	146.81	145.55	141.87	135.74

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**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

115	97.50	109.71	120.06	128.30	134.32	137.97	139.20	137.97	134.34	128.33
116	90.65	102.65	112.81	120.90	126.81	130.38	131.60	130.39	126.82	120.92
117	84.80	95.59	105.54	113.49	119.29	122.79	123.99	122.81	119.30	113.51
118	80.23	89.40	98.28	106.09	111.77	115.20	116.39	115.23	111.77	106.10
119	75.65	84.64	92.22	98.68	104.25	107.61	108.78	107.65	104.24	98.70
120	71.06	79.87	87.29	93.29	97.63	100.25	101.17	100.29	97.62	93.29
121	66.47	75.10	82.36	88.23	92.49	95.06	95.95	95.09	92.47	88.22
122	61.89	70.34	77.44	83.18	87.35	89.87	90.74	89.88	87.33	83.16
123	57.30	65.56	72.52	78.13	82.21	84.67	85.52	84.68	82.18	78.09
124	52.70	60.78	67.59	73.08	77.07	79.48	80.30	79.48	77.03	73.03
125	48.10	56.00	62.66	68.03	71.92	74.29	75.08	74.27	71.88	67.96
126	43.48	51.21	57.73	62.98	66.78	69.10	69.86	69.07	66.73	62.90
127	40.85	46.42	52.79	57.93	61.64	63.90	64.64	63.86	61.58	57.84
128	38.22	43.15	47.85	52.87	56.50	58.71	59.42	58.66	56.42	52.77
129	35.59	40.40	44.46	47.82	51.35	53.52	54.20	53.45	51.27	47.70
130	32.95	37.63	41.59	44.81	47.13	48.55	48.98	48.47	47.03	44.69
131	30.30	34.85	38.72	41.84	44.10	45.48	45.90	45.42	44.01	41.74
132	27.64	32.07	35.84	38.88	41.08	42.42	42.82	42.36	41.00	38.78
133	24.97	29.28	32.95	35.91	38.05	39.35	39.75	39.30	37.98	35.82
134	22.30	26.49	30.07	32.94	35.02	36.28	36.67	36.24	34.96	32.86
135	19.61	23.69	27.18	29.97	31.99	33.22	33.60	33.19	31.94	29.90
136	16.85	20.89	24.28	26.99	28.96	30.15	30.52	30.13	28.91	26.93
137	13.51	18.09	21.39	24.01	25.92	27.09	27.45	27.07	25.89	23.97
138	10.17	14.79	18.49	21.03	22.89	24.02	24.37	24.01	22.87	21.00
139	6.83	11.36	15.12	18.05	19.86	20.95	21.29	20.95	19.85	18.03
140	3.49	7.93	11.61	14.50	16.58	17.82	18.22	17.83	16.57	14.48
141	0.14	4.50	8.10	10.93	12.96	14.18	14.58	14.19	12.96	10.91
142	0.00	1.06	4.59	7.36	9.35	10.54	10.93	10.55	9.35	7.35
143	0.00	0.00	1.08	3.79	5.74	6.91	7.29	6.91	5.74	3.78
144	0.00	0.00	0.00	0.22	2.12	3.27	3.64	3.27	2.12	0.22
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**

**Horizontal Angles**

	<u>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78
1	1628.14	1628.29	1628.29	1628.44	1628.59	1628.73	1628.88	1629.03	1629.18	1629.33
2	1626.50	1626.65	1626.95	1626.80	1626.65	1626.65	1626.65	1626.65	1626.80	1626.95
3	1624.86	1624.57	1624.27	1624.12	1623.97	1623.97	1623.97	1623.97	1624.12	1624.42
4	1622.33	1622.03	1621.59	1621.44	1621.29	1621.14	1621.14	1621.29	1621.44	1621.74
5	1619.95	1619.50	1619.06	1618.76	1618.46	1618.46	1618.46	1618.61	1618.61	1618.76
6	1617.57	1616.82	1616.37	1616.08	1615.78	1615.63	1615.48	1615.33	1614.89	1614.59
7	1615.03	1614.14	1613.69	1613.40	1612.95	1612.65	1611.61	1610.57	1609.97	1609.82
8	1612.50	1611.76	1611.16	1610.72	1609.82	1608.18	1606.84	1605.95	1605.50	1605.21
9	1609.97	1609.23	1608.63	1607.74	1605.50	1603.72	1602.38	1601.48	1600.89	1600.29
10	1607.59	1606.84	1606.25	1603.42	1601.18	1599.40	1597.91	1596.42	1594.63	1593.44
11	1603.57	1604.61	1602.38	1599.40	1597.01	1594.93	1592.40	1590.02	1588.23	1587.04
12	1596.72	1597.61	1596.27	1595.38	1592.55	1589.42	1586.29	1583.91	1581.68	1579.74
13	1589.87	1589.57	1588.23	1587.78	1587.48	1583.76	1580.63	1577.06	1574.23	1572.00
14	1582.87	1581.53	1580.34	1579.44	1578.25	1578.25	1573.63	1569.76	1566.64	1563.66
15	1575.72	1573.63	1572.00	1570.36	1569.32	1568.27	1566.78	1562.47	1558.44	1555.02
16	1567.98	1565.74	1563.66	1561.42	1560.23	1558.15	1557.85	1554.72	1549.96	1545.79
17	1560.23	1557.70	1554.87	1552.79	1550.11	1548.32	1546.98	1546.68	1540.72	1536.11
18	1552.64	1549.51	1546.08	1543.70	1540.13	1537.74	1536.26	1534.92	1531.34	1525.98
19	1544.89	1541.17	1537.60	1533.87	1530.15	1527.02	1524.79	1522.85	1521.36	1514.81
20	1537.15	1532.68	1529.11	1524.19	1519.58	1516.60	1512.88	1510.64	1509.00	1503.64
21	1529.41	1524.19	1520.02	1514.36	1509.30	1504.98	1500.96	1497.54	1495.75	1492.03
22	1517.79	1515.26	1510.64	1504.09	1499.17	1493.37	1488.24	1484.40	1482.05	1480.34
23	1505.43	1503.20	1500.37	1493.81	1488.11	1481.54	1475.48	1471.00	1468.15	1467.29
24	1493.22	1490.98	1486.86	1483.82	1476.93	1469.12	1462.70	1457.30	1453.89	1452.04
25	1480.95	1478.04	1473.37	1470.54	1465.38	1456.82	1449.55	1443.34	1439.12	1436.60
26	1468.72	1464.89	1459.87	1456.32	1451.64	1444.60	1435.90	1429.36	1423.93	1420.80
27	1456.51	1451.73	1446.55	1442.03	1436.49	1431.89	1422.26	1414.81	1408.39	1404.37
28	1444.40	1438.71	1433.40	1427.37	1421.54	1416.35	1408.81	1399.70	1392.41	1387.60
29	1432.32	1425.82	1420.19	1412.73	1406.47	1399.88	1394.93	1384.25	1376.03	1370.97
30	1420.23	1412.91	1406.34	1398.15	1390.78	1383.93	1378.89	1368.63	1359.73	1353.04
31	1407.78	1400.02	1392.53	1383.67	1374.89	1367.71	1361.07	1352.89	1342.85	1335.82
32	1393.41	1387.26	1378.42	1369.30	1358.95	1351.31	1343.39	1337.00	1325.79	1317.82
33	1377.18	1372.58	1364.27	1354.57	1343.36	1334.08	1325.68	1319.25	1308.72	1299.38
34	1361.04	1356.12	1349.23	1339.19	1327.80	1317.03	1307.77	1300.35	1290.88	1280.74
35	1345.19	1339.65	1332.00	1323.82	1311.89	1300.19	1289.56	1281.31	1273.17	1261.93
36	1329.35	1322.79	1314.80	1306.04	1295.82	1283.30	1271.48	1261.90	1254.99	1243.02
37	1313.50	1305.94	1297.51	1287.86	1279.50	1266.20	1253.11	1242.41	1234.71	1223.46
38	1297.57	1289.08	1280.22	1269.76	1260.38	1248.44	1234.62	1222.78	1214.23	1204.45
39	1281.57	1272.24	1262.44	1251.60	1241.41	1231.12	1216.45	1203.33	1193.35	1185.03
40	1265.58	1255.48	1244.69	1233.31	1222.21	1211.83	1197.58	1183.36	1172.88	1165.15
41	1249.59	1238.80	1227.14	1215.02	1202.93	1191.16	1178.64	1163.48	1151.98	1144.51

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

42	1232.98	1222.09	1209.78	1196.51	1183.42	1170.82	1160.37	1143.72	1130.88	1122.12
43	1214.59	1204.97	1192.58	1178.10	1164.21	1150.70	1138.61	1123.76	1109.68	1099.55
44	1196.26	1186.07	1175.10	1159.80	1144.88	1130.02	1116.75	1103.60	1088.34	1077.18
45	1177.98	1167.05	1155.59	1141.56	1125.56	1109.29	1095.48	1083.57	1066.67	1054.83
46	1159.41	1148.10	1135.93	1122.36	1106.15	1089.60	1074.04	1061.65	1045.30	1031.91
47	1140.92	1129.18	1116.35	1101.84	1086.89	1069.71	1052.62	1038.92	1024.02	1009.26
48	1122.48	1110.23	1096.85	1081.68	1066.70	1048.75	1031.02	1016.11	1002.54	986.68
49	1104.12	1091.36	1077.33	1061.74	1045.48	1028.14	1009.60	993.46	980.99	964.03
50	1085.85	1072.56	1057.79	1041.74	1024.34	1007.71	988.38	971.22	957.42	941.29
51	1067.64	1053.96	1038.36	1021.57	1003.39	986.03	967.13	948.74	933.82	918.36
52	1049.09	1035.54	1019.10	1001.63	982.90	964.48	945.98	926.31	910.45	895.66
53	1029.54	1016.85	1000.01	981.65	962.47	942.77	923.96	904.11	886.79	873.09
54	1010.00	997.09	981.05	961.68	941.63	921.14	901.44	881.78	863.20	850.02
55	990.39	976.84	960.55	941.83	920.93	899.74	879.28	859.61	839.80	825.22
56	970.81	956.68	940.00	921.37	900.59	878.54	857.05	837.26	816.72	800.13
57	951.27	936.60	919.58	900.43	880.56	857.32	834.99	814.02	793.64	775.72
58	931.78	916.63	899.27	879.61	859.71	836.18	813.09	790.96	770.60	751.67
59	912.36	896.78	879.09	858.88	838.24	815.25	791.37	768.08	747.52	727.55
60	893.06	877.02	859.04	838.27	816.99	793.73	769.80	745.49	723.82	703.32
61	873.86	857.33	839.15	817.79	795.87	772.07	748.49	723.12	700.24	679.31
62	854.84	837.73	819.27	797.48	774.92	750.59	726.62	700.97	677.09	655.62
63	835.96	818.48	799.42	777.29	754.14	729.29	704.30	679.03	654.01	632.09
64	817.11	799.46	779.80	757.26	733.50	708.20	682.39	657.38	631.11	608.07
65	798.19	780.53	760.41	737.47	713.04	687.35	660.77	635.25	608.46	584.06
66	779.21	761.66	741.16	718.02	692.77	666.58	639.39	612.69	586.09	560.40
67	760.29	742.87	722.02	698.64	672.92	645.97	618.27	590.47	563.93	537.06
68	741.44	724.08	702.98	679.33	653.31	625.64	597.36	568.83	541.55	514.10
69	722.63	705.22	684.05	660.13	633.88	605.70	576.69	547.47	519.31	491.51
70	703.90	686.46	665.21	641.08	614.61	586.04	556.42	526.37	497.24	469.38
71	685.21	667.74	646.42	622.17	595.47	566.67	536.59	505.60	475.52	447.15
72	667.58	649.36	627.73	603.38	576.48	547.56	517.05	485.27	454.40	424.88
73	650.09	631.81	609.65	584.69	557.66	528.64	497.73	465.43	433.71	403.02
74	632.66	614.32	592.13	566.73	539.00	509.90	478.66	445.91	413.24	381.43
75	615.26	596.87	574.73	549.31	521.06	491.35	459.86	426.60	393.43	360.45
76	597.90	579.48	557.41	531.97	503.66	473.30	441.35	407.62	374.04	340.18
77	580.56	562.16	540.12	514.74	486.42	455.92	423.04	388.99	355.07	320.76
78	563.27	544.88	522.92	497.57	469.31	438.75	405.63	370.66	336.53	301.93
79	546.03	527.67	505.79	480.50	452.33	421.79	388.52	353.49	318.38	283.60
80	528.80	510.51	488.75	463.53	435.50	404.97	371.67	336.86	300.94	265.69
81	512.37	493.56	471.78	446.67	418.81	388.32	355.14	320.52	284.56	248.26
82	497.11	478.39	456.10	430.27	402.25	371.84	338.87	304.42	268.56	231.90
83	481.87	463.26	441.06	415.35	386.95	355.69	322.86	288.61	252.87	216.22
84	466.67	448.17	426.09	400.52	372.28	341.16	307.77	273.04	237.47	201.00
85	451.48	433.15	411.18	385.79	357.73	326.79	293.67	258.84	222.44	186.21
86	436.33	418.17	396.35	371.14	343.29	312.58	279.75	245.20	209.16	172.29
87	421.20	403.22	381.56	356.57	328.95	298.51	265.99	231.79	196.22	159.98
88	406.10	388.32	366.83	342.10	314.71	284.57	252.40	218.60	183.56	148.04
89	391.02	373.45	352.17	327.68	300.56	270.75	238.97	205.61	171.18	136.40
90	375.96	358.61	337.53	313.33	286.49	257.05	225.69	192.81	159.03	125.06
91	363.39	346.18	325.29	301.31	274.71	245.57	214.53	182.10	148.87	115.58
92	350.85	333.77	313.07	289.34	263.01	234.18	203.51	171.54	138.88	106.32
93	338.35	321.40	300.91	277.44	251.36	222.87	192.61	161.13	129.06	97.26
94	325.84	309.05	288.79	265.57	239.79	211.66	181.82	150.84	119.39	88.35
95	313.34	296.72	276.69	253.76	228.28	200.52	171.11	140.65	109.83	81.15
96	300.88	284.42	264.65	241.99	216.84	189.47	160.49	131.06	102.48	74.62
97	288.43	272.15	252.63	230.27	205.45	178.47	151.14	123.27	95.29	68.16

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**CANDELA TABULATION - (Cont.)**

98	275.98	259.89	240.62	218.58	194.82	169.57	142.92	115.55	88.17	61.76
99	263.54	247.67	229.43	208.77	185.82	160.97	134.76	107.89	81.10	55.91
100	252.60	237.71	219.88	199.51	176.89	152.42	126.64	100.28	74.07	51.65
101	242.66	227.95	210.36	190.27	167.98	143.90	118.57	92.72	68.59	47.39
102	232.75	218.21	200.86	181.06	159.09	135.41	110.53	85.66	63.83	43.14
103	222.84	208.49	191.38	171.87	150.23	126.95	102.52	80.45	59.09	38.88
104	212.94	198.78	181.91	162.69	141.38	118.51	96.50	75.26	54.35	35.11
105	203.04	189.08	172.45	153.52	132.56	111.47	90.89	70.08	49.60	32.62
106	193.15	179.40	163.01	144.38	124.79	105.48	85.30	64.89	44.82	30.11
107	183.26	169.69	153.57	136.25	118.47	99.49	79.72	59.69	41.79	27.58
108	173.37	160.00	145.43	129.62	112.16	93.51	74.12	54.48	38.93	25.01
109	163.78	152.23	138.56	123.00	105.86	87.54	68.52	50.65	36.06	22.40
110	156.48	145.11	131.69	116.39	99.56	81.58	62.90	47.46	33.17	20.44
111	149.19	138.01	124.81	109.77	93.25	75.62	58.64	44.25	30.25	19.21
112	141.90	130.92	117.94	103.17	86.95	69.66	55.14	41.02	27.28	17.95
113	134.62	123.83	111.08	96.56	80.64	65.39	51.61	37.76	24.66	16.66
114	127.35	116.75	104.22	89.95	74.64	61.57	48.07	34.49	23.21	15.33
115	120.08	109.67	97.36	83.35	70.56	57.75	44.51	31.18	21.74	13.98
116	112.81	102.59	90.49	78.30	66.47	53.91	40.93	28.36	20.23	12.60
117	105.53	95.50	84.62	73.96	62.38	50.07	37.33	26.69	18.71	10.84
118	98.26	89.29	80.05	69.63	58.25	46.19	33.71	24.99	17.15	8.16
119	92.21	84.52	75.48	65.28	54.13	42.31	31.22	23.28	15.56	5.51
120	87.28	79.75	70.89	60.92	50.00	38.40	29.33	21.54	13.95	2.89
121	82.35	74.98	66.31	56.53	45.85	35.07	27.42	19.78	12.10	0.29
122	77.42	70.22	61.72	52.15	41.70	32.97	25.48	17.99	9.39	0.00
123	72.48	65.45	57.13	47.76	38.02	30.86	23.53	16.18	6.71	0.00
124	67.54	60.67	52.54	43.36	35.72	28.73	21.55	14.34	4.05	0.00
125	62.60	55.89	47.93	39.92	33.42	26.59	19.55	11.88	1.40	0.00
126	57.66	51.10	43.31	37.45	31.11	24.43	17.54	9.12	0.00	0.00
127	52.71	46.29	40.69	34.98	28.79	22.25	15.50	6.37	0.00	0.00
128	47.76	43.01	38.07	32.50	26.45	20.06	13.00	3.62	0.00	0.00
129	44.36	40.25	35.44	30.00	24.11	17.85	10.13	0.88	0.00	0.00
130	41.50	37.49	32.80	27.50	21.74	15.61	7.27	0.00	0.00	0.00
131	38.63	34.73	30.15	24.99	19.36	12.72	4.42	0.00	0.00	0.00
132	35.75	31.96	27.50	22.46	16.96	9.75	1.57	0.00	0.00	0.00
133	32.87	29.18	24.84	19.93	14.13	6.78	0.00	0.00	0.00	0.00
134	29.98	26.40	22.16	17.38	11.05	3.80	0.00	0.00	0.00	0.00
135	27.10	23.61	19.48	14.38	7.95	0.83	0.00	0.00	0.00	0.00
136	24.21	20.82	16.73	11.17	4.86	0.00	0.00	0.00	0.00	0.00
137	21.32	18.01	13.42	7.96	1.77	0.00	0.00	0.00	0.00	0.00
138	18.42	14.72	10.10	4.74	0.00	0.00	0.00	0.00	0.00	0.00
139	15.07	11.31	6.79	1.53	0.00	0.00	0.00	0.00	0.00	0.00
140	11.58	7.89	3.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	8.08	4.48	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	4.58	1.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78
1	1629.48	1629.63	1629.78	1629.93	1630.08	1629.78	1629.63	1629.33	1629.03	1628.73
2	1627.10	1627.25	1627.54	1627.69	1627.99	1627.54	1627.10	1626.65	1626.20	1625.91
3	1624.57	1625.01	1625.31	1625.76	1626.20	1625.46	1624.86	1624.12	1623.52	1622.93
4	1622.03	1622.48	1623.08	1623.52	1624.12	1623.22	1622.18	1621.29	1620.54	1619.95
5	1618.91	1619.20	1619.65	1620.25	1620.99	1619.80	1618.61	1617.71	1616.82	1616.23
6	1614.44	1614.59	1614.89	1615.48	1616.37	1614.89	1613.69	1612.80	1612.06	1611.46
7	1609.82	1610.12	1610.57	1611.31	1612.35	1610.72	1609.23	1608.04	1606.99	1606.40
8	1605.35	1605.65	1606.25	1607.29	1608.48	1606.55	1604.76	1603.42	1602.23	1601.33
9	1599.55	1599.40	1599.70	1600.44	1601.63	1599.55	1597.91	1596.87	1596.27	1596.12
10	1592.85	1592.55	1592.85	1593.74	1594.93	1592.70	1590.91	1589.72	1588.97	1588.82
11	1585.99	1585.70	1586.14	1587.04	1588.68	1586.14	1584.06	1582.72	1581.83	1581.68
12	1578.55	1577.80	1577.80	1578.40	1579.89	1577.36	1575.42	1574.53	1574.23	1574.53
13	1570.21	1569.17	1569.02	1569.76	1571.25	1568.42	1566.49	1565.44	1565.30	1566.04
14	1561.57	1560.08	1559.64	1560.08	1561.57	1558.74	1556.81	1556.06	1556.21	1557.10
15	1552.34	1550.70	1550.40	1551.30	1553.23	1549.96	1547.72	1546.53	1546.68	1547.87
16	1542.96	1540.87	1540.13	1540.57	1542.36	1538.94	1537.00	1536.40	1537.30	1538.49
17	1532.68	1530.00	1528.81	1529.11	1531.04	1527.62	1525.83	1525.24	1526.13	1528.51
18	1521.36	1518.53	1517.49	1517.94	1520.17	1516.30	1514.22	1513.92	1515.26	1517.64
19	1510.19	1506.92	1505.13	1505.13	1507.22	1503.49	1501.86	1501.86	1503.49	1506.92
20	1498.13	1494.41	1492.47	1492.32	1494.41	1490.54	1488.69	1489.03	1491.28	1495.00
21	1486.05	1481.69	1479.13	1478.73	1480.57	1476.84	1475.29	1475.81	1478.37	1483.12
22	1473.43	1468.38	1465.71	1465.61	1467.90	1463.52	1461.63	1462.45	1465.49	1470.24
23	1460.19	1454.69	1451.34	1450.48	1452.32	1448.32	1447.02	1448.20	1451.83	1457.13
24	1446.50	1440.26	1436.52	1435.69	1437.75	1433.52	1432.13	1433.61	1437.60	1441.26

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

25	1432.50	1425.50	1420.81	1419.25	1420.98	1417.13	1416.49	1418.82	1423.42	1425.30
26	1417.79	1409.67	1405.09	1403.70	1405.58	1401.10	1400.19	1403.11	1408.75	1409.36
27	1402.69	1394.59	1388.97	1387.35	1389.53	1385.03	1384.03	1386.43	1393.29	1392.95
28	1386.25	1377.79	1372.43	1370.64	1372.62	1367.98	1367.35	1370.73	1375.48	1375.84
29	1367.92	1361.84	1355.69	1353.64	1355.74	1350.98	1350.28	1353.61	1358.19	1357.89
30	1350.64	1345.06	1338.07	1335.53	1337.61	1332.76	1332.58	1336.91	1339.55	1340.66
31	1332.24	1327.26	1319.86	1316.99	1318.85	1314.28	1314.31	1318.73	1321.45	1322.42
32	1313.13	1309.56	1301.56	1298.46	1300.41	1295.62	1295.96	1301.19	1301.92	1304.36
33	1294.10	1291.54	1282.82	1279.47	1281.62	1276.82	1277.25	1282.87	1283.05	1285.68
34	1274.83	1272.79	1263.42	1259.62	1261.63	1256.97	1258.10	1264.51	1263.51	1266.87
35	1254.95	1252.50	1243.76	1240.05	1242.38	1237.63	1238.62	1244.37	1243.76	1247.98
36	1234.87	1231.83	1224.09	1219.59	1221.28	1217.00	1219.10	1224.02	1223.67	1228.74
37	1214.80	1211.19	1204.22	1199.43	1201.13	1196.29	1198.49	1203.27	1203.46	1209.15
38	1194.53	1190.49	1184.08	1178.64	1180.50	1175.51	1177.60	1181.50	1183.05	1189.72
39	1174.02	1169.09	1162.99	1157.00	1158.49	1154.07	1156.84	1159.52	1162.09	1169.69
40	1153.25	1147.04	1141.74	1135.39	1136.76	1132.43	1135.86	1137.90	1140.52	1149.73
41	1131.76	1125.06	1120.61	1113.59	1114.41	1110.33	1114.43	1116.05	1119.49	1128.80
42	1110.39	1103.08	1099.16	1091.25	1092.67	1088.35	1092.67	1093.70	1098.24	1106.28
43	1089.14	1080.68	1076.69	1069.17	1069.75	1065.64	1070.69	1071.16	1076.42	1084.18
44	1067.22	1057.73	1055.60	1046.70	1047.81	1043.23	1048.19	1048.45	1054.62	1061.74
45	1045.49	1035.53	1032.70	1023.61	1024.30	1020.26	1025.83	1025.64	1032.68	1038.82
46	1023.63	1012.27	1009.54	1000.62	1001.02	997.29	1002.80	1002.41	1010.96	1016.12
47	1001.13	989.07	986.03	977.20	977.05	973.74	979.31	979.21	988.57	993.41
48	977.32	965.74	961.99	953.49	953.98	950.24	955.04	955.84	964.30	970.67
49	953.22	942.56	937.05	929.56	929.56	926.56	930.51	932.49	940.07	947.89
50	929.05	918.86	912.59	905.76	905.86	902.81	906.56	908.57	915.74	925.21
51	905.34	894.95	888.20	881.66	881.04	878.43	882.02	885.06	891.94	902.02
52	881.25	871.20	863.63	857.48	856.18	853.88	856.96	861.38	867.43	878.95
53	856.76	847.41	839.03	832.98	832.34	829.36	832.09	837.32	843.36	856.12
54	832.65	823.38	813.74	807.84	806.37	804.17	806.97	813.34	819.30	832.97
55	808.80	798.73	788.29	782.68	781.25	779.19	781.28	789.02	795.13	807.99
56	784.76	773.31	762.90	757.79	756.08	754.25	755.98	763.57	770.93	783.33
57	760.83	747.73	737.58	732.68	729.80	729.01	730.70	737.38	746.83	758.81
58	736.62	722.45	712.27	707.19	704.38	703.59	705.25	711.96	722.96	734.38
59	712.74	696.93	686.61	681.81	678.70	678.15	679.79	686.68	698.90	710.09
60	687.95	671.70	661.11	656.29	652.25	652.60	654.28	661.11	673.91	685.95
61	662.62	646.33	635.63	630.56	626.56	626.76	628.80	635.89	648.53	662.04
62	637.33	621.23	609.92	604.81	600.56	601.04	603.12	610.72	623.44	638.31
63	612.24	596.47	584.41	579.06	573.61	575.50	577.32	585.66	598.08	614.80
64	587.18	571.78	559.07	552.86	547.24	549.44	552.13	560.74	573.18	590.75
65	562.51	546.70	532.92	525.95	520.41	522.44	526.03	535.93	548.43	566.85
66	538.23	521.81	506.71	499.27	494.26	495.50	499.25	511.35	523.81	543.41
67	513.88	496.14	480.39	472.58	467.44	468.71	473.34	485.30	499.82	520.28
68	489.98	470.50	454.07	445.82	440.55	442.05	446.98	459.66	475.87	497.48
69	465.79	445.20	427.62	418.94	414.64	415.19	420.80	434.26	451.67	475.04
70	441.82	420.24	401.99	391.94	388.17	388.14	395.02	409.17	427.95	452.97
71	418.52	395.35	376.99	365.33	361.22	361.55	369.81	384.53	404.64	430.90
72	395.61	371.12	352.18	339.33	335.22	335.64	344.85	360.30	381.79	408.41
73	373.22	347.76	327.77	313.62	308.70	310.08	320.31	336.77	359.49	386.49
74	351.41	324.14	302.99	288.17	282.84	284.59	295.55	313.24	337.69	365.18
75	329.54	301.16	278.55	263.26	257.23	259.39	271.15	290.32	316.10	344.50
76	308.29	278.93	254.74	238.84	232.14	234.76	247.19	268.29	295.13	324.36
77	287.74	257.39	231.67	214.83	207.18	210.35	224.01	246.94	274.80	305.06
78	267.89	236.60	209.20	190.05	182.23	186.06	201.49	226.19	255.13	286.57
79	248.74	216.22	187.48	167.33	158.84	163.23	179.78	205.90	236.05	268.49
80	230.50	196.71	167.27	145.77	136.00	141.51	159.46	186.45	217.87	250.80

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

81	212.91	178.06	148.18	125.32	114.27	120.97	140.43	167.91	200.42	233.58
82	196.01	160.71	130.09	105.62	93.74	101.13	122.41	150.68	183.69	217.53
83	179.82	144.73	112.80	87.03	74.18	82.32	105.16	134.79	167.73	202.13
84	164.88	129.64	96.95	70.27	55.23	65.28	89.25	119.82	153.03	187.16
85	150.53	115.62	83.06	55.75	38.52	50.51	75.38	105.96	138.92	172.61
86	136.74	102.59	70.79	43.44	24.45	37.86	63.11	93.14	125.34	158.93
87	124.21	90.26	59.74	32.79	13.68	26.86	52.12	81.01	113.06	146.93
88	113.06	79.61	49.75	25.36	6.86	19.04	42.24	70.58	102.19	135.28
89	102.34	70.21	41.80	19.58	4.35	13.04	34.43	61.37	91.72	123.94
90	91.98	61.31	34.93	15.85	4.33	9.26	27.69	52.63	81.61	112.86
91	83.46	54.03	29.50	13.23	0.00	6.80	22.41	45.60	73.35	103.70
92	75.21	47.05	24.71	11.43	0.00	5.41	17.81	38.85	65.34	94.74
93	67.16	41.00	21.15	9.99	0.00	4.50	14.59	33.07	57.52	85.96
94	60.36	36.23	18.10	8.93	0.00	4.03	11.89	28.65	51.06	77.33
95	54.60	31.52	15.78	8.22	0.00	3.87	9.96	24.29	45.70	70.50
96	48.92	27.83	13.72	7.16	0.00	3.50	8.28	20.97	40.40	64.38
97	43.28	24.77	12.40	0.57	0.00	0.28	7.36	18.28	35.13	58.32
98	39.39	21.68	11.03	0.00	0.00	0.00	6.38	15.55	31.62	52.30
99	35.68	19.29	10.18	0.00	0.00	0.00	5.85	13.53	28.28	46.85
100	31.98	17.58	9.52	0.00	0.00	0.00	5.49	12.19	24.94	42.98
101	28.25	15.82	8.85	0.00	0.00	0.00	5.08	10.80	21.58	39.12
102	25.87	14.00	7.12	0.00	0.00	0.00	4.09	9.36	19.60	35.25
103	23.76	12.95	3.30	0.00	0.00	0.00	1.92	8.58	17.89	31.36
104	21.61	12.13	0.00	0.00	0.00	0.00	0.00	8.00	16.12	27.98
105	19.40	11.27	0.00	0.00	0.00	0.00	0.00	7.38	14.30	25.89
106	17.14	10.38	0.00	0.00	0.00	0.00	0.00	6.74	12.42	23.78
107	16.12	9.46	0.00	0.00	0.00	0.00	0.00	6.07	11.65	21.64
108	15.09	6.67	0.00	0.00	0.00	0.00	0.00	4.31	10.87	19.47
109	14.03	3.69	0.00	0.00	0.00	0.00	0.00	2.41	10.05	17.25
110	12.92	0.81	0.00	0.00	0.00	0.00	0.00	0.53	9.20	15.63
111	11.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.32	14.66
112	10.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	13.65
113	8.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.67	12.63
114	5.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	11.59
115	2.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	10.52
116	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	9.41
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.06
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.11
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.15
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.19
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles      Horizontal Angles**

	<u>300</u>	<u>305</u>	<u>310</u>	<u>315</u>	<u>320</u>	<u>325</u>	<u>330</u>	<u>335</u>	<u>340</u>	<u>345</u>
0	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78	1629.78
1	1628.59	1628.29	1627.99	1627.84	1627.69	1627.39	1627.25	1627.10	1626.95	1626.95
2	1625.61	1625.31	1625.16	1625.01	1624.86	1624.71	1624.71	1624.42	1624.12	1623.97
3	1622.48	1622.18	1621.88	1621.59	1621.44	1621.29	1621.14	1621.14	1621.29	1620.99
4	1619.35	1618.91	1618.46	1618.16	1618.01	1617.86	1617.86	1617.86	1617.86	1618.01
5	1615.63	1615.18	1614.89	1614.59	1614.44	1614.29	1614.29	1614.44	1614.59	1614.59
6	1611.31	1611.01	1610.72	1610.72	1610.72	1610.72	1610.86	1611.01	1611.31	1611.46
7	1605.95	1605.95	1606.10	1606.55	1606.55	1606.84	1607.14	1607.44	1607.89	1608.18

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

8	1600.89	1600.74	1601.04	1601.48	1602.38	1602.82	1603.27	1603.87	1604.46	1605.06
9	1595.97	1595.67	1595.67	1596.42	1597.46	1598.65	1599.40	1600.14	1600.89	1601.78
10	1589.27	1590.31	1590.91	1591.21	1592.40	1593.89	1595.53	1596.27	1597.31	1598.36
11	1581.97	1583.02	1584.80	1586.44	1587.19	1588.97	1591.06	1592.55	1591.95	1592.10
12	1574.97	1576.02	1577.80	1580.34	1582.57	1583.91	1584.51	1584.36	1583.91	1584.21
13	1567.38	1569.02	1570.95	1573.49	1576.76	1575.87	1575.42	1575.72	1575.72	1576.17
14	1558.89	1561.27	1564.10	1566.93	1566.49	1567.38	1566.49	1567.08	1567.53	1568.12
15	1549.96	1552.93	1556.51	1556.81	1556.51	1557.25	1557.85	1558.30	1559.04	1559.93
16	1541.02	1544.30	1546.38	1546.38	1546.53	1547.13	1549.21	1549.51	1550.55	1551.74
17	1531.79	1535.81	1535.06	1535.36	1536.40	1537.45	1539.38	1540.72	1542.21	1543.40
18	1521.51	1524.04	1523.60	1524.19	1525.83	1527.47	1529.55	1532.09	1533.72	1535.06
19	1511.09	1511.24	1511.83	1512.88	1514.96	1517.49	1519.87	1523.30	1525.09	1526.72
20	1499.03	1498.13	1499.47	1501.56	1503.94	1507.07	1510.19	1513.77	1516.45	1518.39
21	1484.92	1485.41	1486.17	1489.49	1492.77	1496.49	1500.37	1504.24	1507.96	1508.71
22	1470.97	1471.51	1473.58	1476.94	1481.47	1485.82	1490.54	1494.26	1495.75	1496.35
23	1456.14	1457.63	1460.49	1463.82	1469.79	1475.18	1479.73	1480.92	1482.97	1483.97
24	1441.48	1443.34	1446.99	1451.52	1457.79	1464.00	1465.67	1467.54	1470.12	1471.54
25	1426.08	1428.81	1433.23	1438.85	1444.86	1449.26	1451.62	1454.07	1456.84	1458.92
26	1410.28	1414.01	1419.26	1425.91	1430.63	1434.42	1437.40	1440.53	1443.63	1446.32
27	1394.51	1398.76	1405.00	1412.44	1415.48	1419.52	1423.08	1426.98	1430.45	1433.75
28	1378.55	1383.24	1390.27	1396.66	1399.85	1403.76	1408.65	1413.35	1417.27	1421.19
29	1361.83	1367.63	1375.82	1380.07	1384.03	1388.32	1394.28	1399.83	1404.09	1408.45
30	1344.64	1351.89	1359.40	1362.91	1367.86	1373.40	1379.98	1386.04	1390.93	1395.69
31	1327.49	1335.42	1341.38	1345.97	1351.60	1358.33	1365.80	1371.88	1377.69	1382.50
32	1310.08	1319.07	1323.70	1328.96	1335.21	1342.99	1350.90	1357.67	1362.99	1366.46
33	1292.34	1300.92	1305.19	1311.25	1319.03	1327.51	1335.94	1342.11	1346.49	1350.39
34	1274.60	1281.50	1286.82	1293.84	1303.02	1311.88	1320.25	1325.10	1330.02	1334.31
35	1256.42	1261.96	1268.60	1276.87	1286.32	1296.12	1302.53	1308.17	1313.56	1318.27
36	1238.10	1242.54	1249.81	1259.10	1269.48	1277.72	1284.76	1291.22	1297.06	1302.27
37	1217.60	1222.79	1230.88	1241.39	1252.46	1259.13	1266.80	1274.23	1280.53	1286.32
38	1196.82	1202.79	1211.98	1223.97	1233.08	1240.95	1248.90	1257.11	1263.81	1270.17
39	1175.69	1182.75	1193.62	1206.16	1214.04	1222.47	1231.03	1239.67	1247.05	1253.93
40	1155.08	1162.75	1174.56	1186.06	1194.38	1203.55	1213.29	1222.33	1230.40	1237.70
41	1133.74	1142.60	1155.21	1165.07	1174.60	1184.72	1195.44	1205.07	1213.86	1221.42
42	1112.40	1122.59	1135.78	1144.48	1154.93	1165.73	1177.15	1187.81	1196.88	1203.06
43	1091.03	1102.94	1114.11	1124.33	1135.30	1146.89	1158.94	1170.18	1178.39	1184.86
44	1069.02	1082.32	1092.50	1103.48	1115.50	1128.41	1141.01	1151.05	1159.92	1166.73
45	1048.05	1061.87	1070.88	1082.48	1095.84	1110.00	1121.48	1131.83	1141.50	1148.62
46	1026.74	1039.61	1049.41	1061.92	1076.02	1090.67	1101.78	1112.68	1122.85	1130.55
47	1005.10	1016.35	1027.93	1041.47	1056.38	1070.24	1082.20	1093.58	1104.24	1112.53
48	983.24	993.92	1006.24	1020.83	1036.38	1049.79	1062.77	1074.72	1085.67	1094.40
49	961.72	971.64	984.82	1000.25	1015.50	1029.30	1043.23	1055.92	1067.16	1076.14
50	938.24	949.01	963.61	979.55	994.17	1008.92	1023.55	1037.18	1048.65	1057.91
51	914.40	926.41	941.81	957.63	973.03	988.77	1003.96	1018.27	1030.20	1039.68
52	890.44	903.94	920.19	935.84	952.34	968.75	984.55	999.33	1011.52	1020.43
53	867.22	881.37	898.45	914.38	931.85	948.78	965.31	980.23	992.04	1001.22
54	843.69	858.98	876.01	893.10	911.15	928.92	946.15	960.34	972.55	982.10
55	820.12	836.71	853.74	871.81	890.51	909.23	925.91	940.20	953.03	963.00
56	796.69	813.94	831.73	850.58	869.99	888.87	905.67	920.23	933.56	943.93
57	773.56	791.00	809.90	829.42	849.54	868.11	885.51	900.40	914.17	924.88
58	750.56	768.31	787.71	808.56	828.54	847.44	865.34	880.73	894.84	905.83
59	727.56	745.52	765.73	787.65	807.46	826.86	845.15	861.25	875.54	886.80
60	703.87	722.90	744.05	766.06	786.52	806.47	825.16	841.78	856.18	867.78
61	680.24	700.34	722.65	744.54	765.69	786.30	805.36	822.36	836.88	848.81
62	656.87	678.17	701.64	723.36	744.99	766.24	785.57	802.95	817.84	830.20
63	633.88	656.39	680.04	702.32	724.43	746.27	765.79	783.87	799.07	811.63

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

64	611.20	634.77	657.97	681.26	703.91	726.39	746.37	765.03	780.37	793.09
65	588.74	612.79	636.29	660.40	683.53	706.52	727.32	746.24	761.72	774.59
66	566.52	590.70	615.05	639.68	663.32	687.15	708.43	727.50	743.15	756.12
67	544.52	568.90	594.09	619.21	643.91	667.99	689.62	708.81	724.64	737.70
68	522.22	547.24	573.25	599.12	624.76	649.05	670.91	690.18	706.16	719.30
69	500.04	525.87	552.61	579.70	605.73	630.26	652.27	671.60	687.74	700.94
70	478.26	504.93	532.46	560.47	586.74	611.58	633.71	653.12	669.35	682.57
71	456.89	484.35	513.00	541.46	567.85	593.01	615.17	634.74	651.00	664.72
72	435.74	464.09	493.68	522.44	549.11	574.52	596.71	616.74	633.82	647.71
73	414.92	444.35	474.47	503.59	530.53	556.04	578.91	599.68	616.78	630.73
74	394.61	424.99	455.35	484.94	512.13	538.30	561.77	582.68	599.79	613.77
75	375.17	406.10	436.45	466.57	494.55	521.14	544.75	565.69	582.84	596.83
76	356.11	387.50	417.81	448.96	477.57	504.12	527.83	548.75	565.94	579.89
77	337.39	369.17	399.79	432.08	460.74	487.25	510.99	531.88	549.07	562.99
78	319.09	351.05	383.08	415.37	444.06	470.50	494.22	515.07	532.25	546.09
79	301.15	334.22	366.61	398.84	427.46	453.85	477.53	498.32	515.46	529.22
80	283.93	317.93	350.38	382.35	410.94	437.32	460.91	481.62	498.70	512.34
81	267.74	301.90	334.40	366.00	394.55	420.88	444.35	465.14	482.77	496.81
82	251.84	286.18	318.64	349.80	378.27	404.93	429.13	450.44	468.00	481.96
83	236.34	270.71	303.07	333.94	363.33	390.44	414.55	435.75	453.25	467.12
84	221.15	255.49	288.35	319.78	349.05	376.02	400.04	421.13	438.52	452.30
85	206.34	241.61	274.61	305.78	334.91	361.70	385.58	406.52	423.81	437.48
86	193.55	228.28	261.01	291.94	320.86	347.44	371.20	391.96	409.13	422.69
87	181.03	215.14	247.58	278.23	306.92	333.27	356.86	377.42	394.47	407.91
88	168.77	202.22	234.30	264.66	293.09	319.16	342.57	362.93	379.82	393.15
89	156.74	189.49	221.16	251.21	279.36	305.12	328.34	348.46	365.20	378.39
90	144.92	176.92	208.16	237.87	265.70	291.14	314.15	334.03	350.60	363.65
91	135.06	166.54	197.36	226.73	254.30	279.49	302.32	322.02	338.46	351.44
92	125.38	156.31	186.67	215.68	242.96	267.91	290.53	310.05	326.36	339.22
93	115.86	146.20	176.08	204.73	231.70	256.38	278.78	298.09	314.27	327.04
94	106.47	136.22	165.61	193.85	220.51	244.90	267.06	286.18	302.19	314.85
95	97.19	126.34	155.22	183.05	209.37	233.46	255.37	274.28	290.13	302.68
96	90.29	117.09	144.90	172.31	198.29	222.07	243.71	262.40	278.08	290.51
97	83.55	109.77	135.95	161.65	187.24	210.72	232.08	250.54	266.05	278.35
98	76.88	102.51	128.19	153.21	176.99	199.40	220.48	238.72	254.03	266.19
99	70.25	95.30	120.48	145.08	168.49	190.05	209.68	226.89	242.02	254.04
100	63.64	88.12	112.81	136.99	160.01	181.27	200.61	217.42	231.54	242.74
101	58.58	80.98	105.18	128.93	151.57	172.51	191.56	208.17	222.10	233.16
102	54.23	74.35	97.59	120.90	143.16	163.77	182.52	198.93	212.67	223.57
103	49.90	69.58	90.02	112.90	134.76	155.06	173.51	189.69	203.26	214.00
104	45.57	64.81	84.46	104.91	126.39	146.35	164.51	180.46	193.85	204.44
105	41.22	60.05	79.30	98.33	118.03	137.66	155.53	171.24	184.44	194.86
106	36.86	55.30	74.16	92.81	110.74	128.99	146.57	162.02	175.04	185.30
107	34.24	50.54	69.02	87.30	104.90	121.34	137.61	152.81	165.64	175.74
108	31.81	45.78	63.88	81.79	99.06	115.22	129.96	143.61	156.25	166.19
109	29.35	42.38	58.72	76.29	93.24	109.11	123.60	136.36	147.15	156.63
110	26.87	39.61	53.55	70.79	87.42	102.99	117.24	129.79	140.39	148.76
111	24.37	36.84	49.73	65.28	81.59	96.89	110.88	123.22	133.63	141.87
112	21.83	34.05	46.67	59.78	75.76	90.79	104.53	116.65	126.87	134.98
113	19.60	31.23	43.60	55.98	69.93	84.68	98.18	110.08	120.12	128.09
114	18.44	28.40	40.52	52.64	64.42	78.57	91.83	103.51	113.37	121.20
115	17.25	25.54	37.43	49.29	60.81	72.46	85.48	96.94	106.63	114.31
116	16.04	23.11	34.31	45.93	57.20	67.92	79.12	90.37	99.88	107.42
117	14.80	21.73	31.17	42.55	53.58	64.08	73.76	83.80	93.13	100.54
118	13.52	20.34	28.00	39.16	49.95	60.24	69.70	78.11	86.38	93.65
119	12.23	18.93	25.89	35.75	46.32	56.39	65.65	73.88	80.86	86.77

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

120	10.90	17.50	24.31	32.32	42.68	52.53	61.60	69.64	76.47	81.91
121	9.39	16.04	22.71	29.42	39.03	48.67	57.54	65.40	72.08	77.39
122	7.33	14.56	21.10	27.65	35.36	44.79	53.47	61.16	67.68	72.87
123	5.26	13.05	19.47	25.87	32.15	40.90	49.39	56.90	63.27	68.36
124	3.19	11.52	17.81	24.07	30.21	36.99	45.30	52.64	58.87	63.84
125	1.11	9.55	16.14	22.25	28.27	33.99	41.22	48.38	54.46	59.33
126	0.00	7.36	14.44	20.43	26.31	31.89	37.12	44.11	50.05	54.81
127	0.00	5.15	12.73	18.59	24.34	29.79	34.87	39.84	45.65	50.29
128	0.00	2.94	10.67	16.74	22.36	27.68	32.62	37.00	41.24	45.77
129	0.00	0.72	8.33	14.87	20.36	25.55	30.37	34.64	38.28	41.24
130	0.00	0.00	5.99	12.98	18.34	23.42	28.11	32.27	35.81	38.64
131	0.00	0.00	3.65	10.59	16.31	21.28	25.85	29.89	33.34	36.09
132	0.00	0.00	1.30	8.13	14.28	19.12	23.58	27.51	30.86	33.54
133	0.00	0.00	0.00	5.66	11.90	16.96	21.30	25.12	28.39	30.98
134	0.00	0.00	0.00	3.18	9.31	14.78	19.01	22.73	25.90	28.43
135	0.00	0.00	0.00	0.70	6.71	12.23	16.71	20.33	23.42	25.87
136	0.00	0.00	0.00	0.00	4.11	9.50	14.36	17.93	20.93	23.31
137	0.00	0.00	0.00	0.00	1.49	6.78	11.52	15.52	18.43	20.75
138	0.00	0.00	0.00	0.00	0.00	4.04	8.68	12.69	15.94	18.19
139	0.00	0.00	0.00	0.00	0.00	1.31	5.83	9.75	13.04	15.62
140	0.00	0.00	0.00	0.00	0.00	0.00	2.98	6.81	10.01	12.55
141	0.00	0.00	0.00	0.00	0.00	0.00	0.12	3.86	6.99	9.46
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	3.96	6.37
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.93	3.28
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**  
**Angles**

	<b>350</b>	<b>355</b>	<b>360</b>
0	1629.78	1629.78	1629.78
1	1626.80	1626.80	1626.65
2	1623.82	1623.67	1623.67
3	1620.84	1620.69	1620.69
4	1617.86	1617.71	1617.57
5	1614.74	1614.59	1614.59
6	1611.61	1611.46	1611.46
7	1608.33	1608.33	1608.48
8	1605.21	1605.35	1605.50
9	1602.08	1602.23	1602.38
10	1599.10	1598.95	1599.40
11	1592.10	1591.50	1591.65
12	1584.36	1583.76	1583.91
13	1576.46	1576.17	1576.17
14	1568.72	1568.42	1568.42
15	1560.83	1560.68	1560.68
16	1553.08	1552.93	1552.93
17	1545.49	1545.34	1545.19
18	1537.60	1537.60	1537.45
19	1529.55	1529.85	1529.70
20	1521.51	1522.11	1521.96
21	1510.34	1510.34	1509.90
22	1497.83	1498.13	1497.83
23	1485.33	1486.04	1485.83
24	1472.86	1473.89	1473.81
25	1460.44	1461.75	1461.78
26	1448.07	1449.60	1449.76
27	1435.73	1437.48	1437.73
28	1423.43	1425.36	1425.71
29	1411.19	1413.23	1413.68
30	1398.98	1401.13	1401.66
31	1384.55	1386.00	1386.17
32	1368.78	1370.54	1370.70
33	1353.01	1355.07	1355.21
34	1337.19	1339.56	1339.74
35	1321.38	1324.05	1324.25
36	1305.53	1308.51	1308.78
37	1289.67	1292.95	1293.29
38	1273.95	1277.30	1277.81
39	1258.27	1261.65	1262.33
40	1242.62	1246.01	1246.85
41	1225.79	1228.44	1229.18
42	1208.02	1210.64	1211.51
43	1190.27	1192.86	1193.84
44	1172.52	1175.08	1176.17
45	1154.66	1157.31	1158.51
46	1136.69	1139.56	1140.83

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>47</b>	1118.71	1121.81	1123.15
<b>48</b>	1100.77	1104.08	1105.49
<b>49</b>	1082.81	1086.35	1087.81
<b>50</b>	1064.88	1068.63	1070.15
<b>51</b>	1046.34	1049.99	1051.42
<b>52</b>	1027.34	1031.24	1032.68
<b>53</b>	1008.35	1012.49	1013.95
<b>54</b>	989.38	993.74	995.23
<b>55</b>	970.44	974.98	976.50
<b>56</b>	951.51	956.23	957.76
<b>57</b>	932.61	937.48	939.03
<b>58</b>	913.74	918.75	920.29
<b>59</b>	894.89	900.00	901.57
<b>60</b>	876.06	881.26	882.84
<b>61</b>	857.49	862.87	864.49
<b>62</b>	839.07	844.51	846.16
<b>63</b>	820.65	826.15	827.81
<b>64</b>	802.25	807.79	809.47
<b>65</b>	783.82	789.42	791.14
<b>66</b>	765.39	771.05	772.79
<b>67</b>	746.98	752.68	754.44
<b>68</b>	728.57	734.32	736.11
<b>69</b>	710.20	715.95	717.76
<b>70</b>	691.82	697.58	699.42
<b>71</b>	674.47	680.53	682.50
<b>72</b>	657.51	663.59	665.57
<b>73</b>	640.56	646.65	648.65
<b>74</b>	623.62	629.72	631.72
<b>75</b>	606.68	612.80	614.80
<b>76</b>	589.75	595.89	597.88
<b>77</b>	572.82	578.97	580.95
<b>78</b>	555.90	562.05	564.03
<b>79</b>	538.99	545.15	547.10
<b>80</b>	522.08	528.25	530.18
<b>81</b>	506.89	513.22	515.22
<b>82</b>	492.00	498.29	500.25
<b>83</b>	477.12	483.33	485.28
<b>84</b>	462.25	468.38	470.32
<b>85</b>	447.38	453.45	455.35
<b>86</b>	432.52	438.49	440.39
<b>87</b>	417.68	423.56	425.42
<b>88</b>	402.83	408.61	410.45
<b>89</b>	387.98	393.67	395.49
<b>90</b>	373.15	378.73	380.52
<b>91</b>	360.86	366.40	368.19
<b>92</b>	348.58	354.09	355.86
<b>93</b>	336.29	341.77	343.53
<b>94</b>	324.02	329.47	331.20
<b>95</b>	311.75	317.15	318.87
<b>96</b>	299.48	304.84	306.54
<b>97</b>	287.21	292.52	294.21
<b>98</b>	274.94	280.21	281.88
<b>99</b>	262.68	267.89	269.54
<b>100</b>	250.81	255.68	257.21
<b>101</b>	241.13	245.94	247.46
<b>102</b>	231.45	236.22	237.71

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>103</b>	221.77	226.48	227.95
<b>104</b>	212.11	216.74	218.20
<b>105</b>	202.43	207.01	208.44
<b>106</b>	192.76	197.27	198.70
<b>107</b>	183.10	187.53	188.95
<b>108</b>	173.42	177.81	179.20
<b>109</b>	163.75	168.07	169.44
<b>110</b>	154.85	158.53	159.69
<b>111</b>	147.85	151.48	152.63
<b>112</b>	140.87	144.43	145.56
<b>113</b>	133.88	137.38	138.49
<b>114</b>	126.89	130.33	131.43
<b>115</b>	119.91	123.28	124.36
<b>116</b>	112.92	116.23	117.30
<b>117</b>	105.93	109.18	110.23
<b>118</b>	98.94	102.13	103.17
<b>119</b>	91.95	95.08	96.10
<b>120</b>	85.86	88.26	89.04
<b>121</b>	81.26	83.61	84.37
<b>122</b>	76.66	78.96	79.70
<b>123</b>	72.06	74.30	75.04
<b>124</b>	67.46	69.65	70.37
<b>125</b>	62.85	65.00	65.71
<b>126</b>	58.25	60.35	61.04
<b>127</b>	53.65	55.70	56.38
<b>128</b>	49.05	51.04	51.71
<b>129</b>	44.44	46.39	47.05
<b>130</b>	40.70	41.96	42.38
<b>131</b>	38.10	39.31	39.72
<b>132</b>	35.49	36.67	37.07
<b>133</b>	32.88	34.03	34.41
<b>134</b>	30.28	31.39	31.75
<b>135</b>	27.67	28.74	29.10
<b>136</b>	25.06	26.10	26.44
<b>137</b>	22.45	23.46	23.78
<b>138</b>	19.84	20.81	21.13
<b>139</b>	17.23	18.17	18.47
<b>140</b>	14.39	15.47	15.81
<b>141</b>	11.26	12.31	12.65
<b>142</b>	8.12	9.15	9.49
<b>143</b>	4.98	5.99	6.33
<b>144</b>	1.84	2.83	3.16
<b>145</b>	0.00	0.00	0.00
<b>146</b>	0.00	0.00	0.00
<b>147</b>	0.00	0.00	0.00
<b>148</b>	0.00	0.00	0.00
<b>149</b>	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00
<b>151</b>	0.00	0.00	0.00
<b>152</b>	0.00	0.00	0.00
<b>153</b>	0.00	0.00	0.00
<b>154</b>	0.00	0.00	0.00
<b>155</b>	0.00	0.00	0.00
<b>156</b>	0.00	0.00	0.00
<b>157</b>	0.00	0.00	0.00
<b>158</b>	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>159</b>	0.00	0.00	0.00
<b>160</b>	0.00	0.00	0.00
<b>161</b>	0.00	0.00	0.00
<b>162</b>	0.00	0.00	0.00
<b>163</b>	0.00	0.00	0.00
<b>164</b>	0.00	0.00	0.00
<b>165</b>	0.00	0.00	0.00
<b>166</b>	0.00	0.00	0.00
<b>167</b>	0.00	0.00	0.00
<b>168</b>	0.00	0.00	0.00
<b>169</b>	0.00	0.00	0.00
<b>170</b>	0.00	0.00	0.00
<b>171</b>	0.00	0.00	0.00
<b>172</b>	0.00	0.00	0.00
<b>173</b>	0.00	0.00	0.00
<b>174</b>	0.00	0.00	0.00
<b>175</b>	0.00	0.00	0.00
<b>176</b>	0.00	0.00	0.00
<b>177</b>	0.00	0.00	0.00
<b>178</b>	0.00	0.00	0.00
<b>179</b>	0.00	0.00	0.00
<b>180</b>	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	593.87	N.A.	10.60
0-30	1260.82	N.A.	22.60
0-40	2067.54	N.A.	37.00
0-60	3707.92	N.A.	66.40
0-80	4860.34	N.A.	87.00
0-90	5180.3	N.A.	92.80
10-90	5026.55	N.A.	90.00
20-40	1473.66	N.A.	26.40
20-50	2321.07	N.A.	41.60
40-70	2303.09	N.A.	41.20
60-80	1152.43	N.A.	20.60
70-80	489.72	N.A.	8.80
80-90	319.95	N.A.	5.70
90-110	309.05	N.A.	5.50
90-120	367.90	N.A.	6.60
90-130	394.01	N.A.	7.10
90-150	403.10	N.A.	7.20
90-180	403.10	N.A.	7.20
110-180	94.05	N.A.	1.70
0-180	5583.4	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	153.75
10-20	440.13
20-30	666.95
30-40	806.71
40-50	847.40
50-60	792.98
60-70	662.71
70-80	489.72
80-90	319.95
90-100	195.94
100-110	113.11
110-120	58.85
120-130	26.11
130-140	8.51
140-150	0.59
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	78	76	74
2	95	86	78	72	91	83	76	71	78	73	68	74	69	65	70	66	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	61	57	52	50
4	79	66	57	50	76	64	56	49	61	53	47	57	51	46	54	49	45	42
5	72	59	49	43	70	57	48	42	54	47	41	51	45	40	49	43	39	36
6	67	53	44	37	64	51	43	36	49	41	36	47	40	35	44	38	34	32
7	62	48	39	32	60	47	38	32	44	37	31	42	36	31	40	34	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

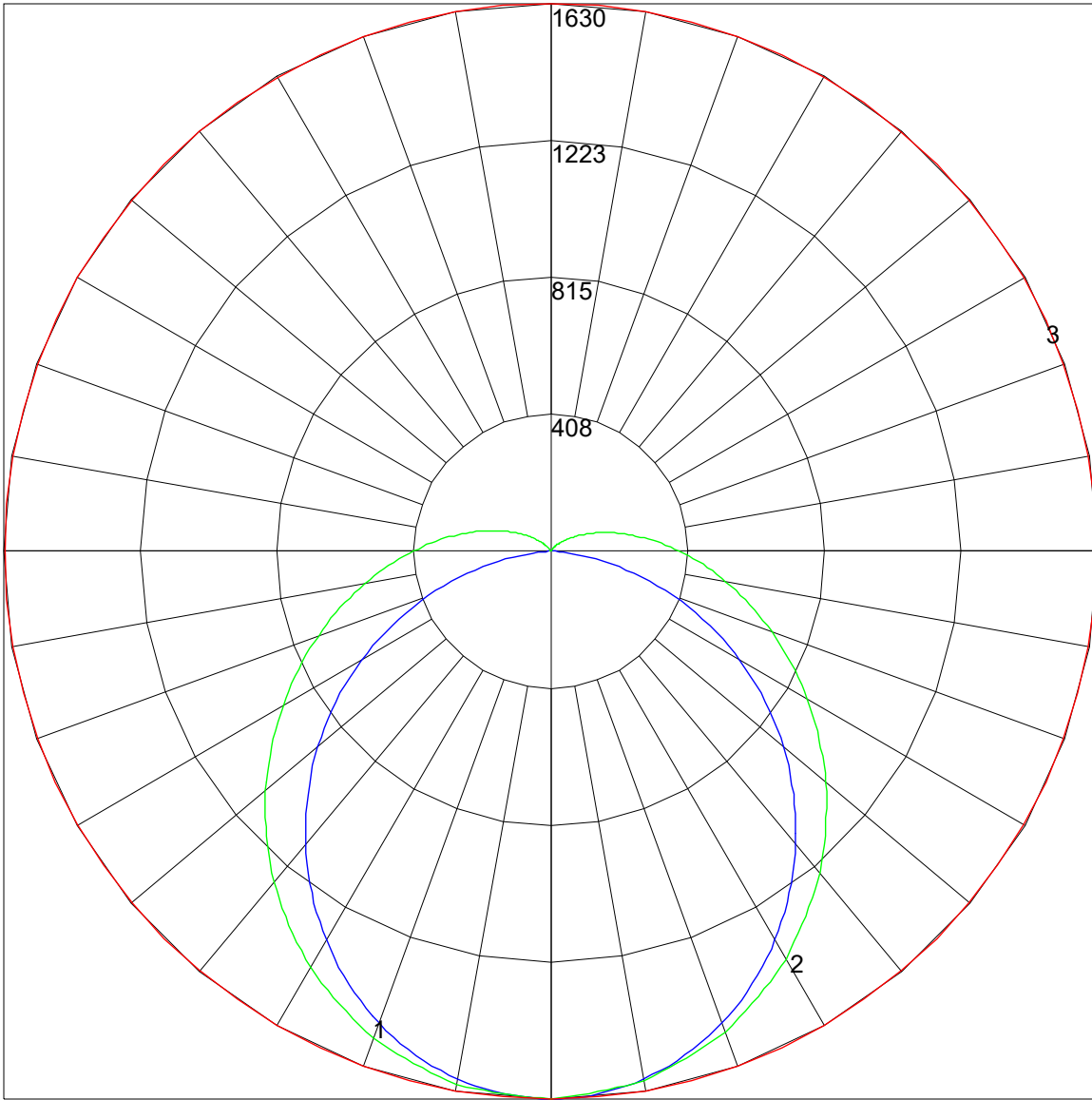
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-48-H-40.IES**

**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	19.4	20.9	19.8	21.4	21.9	18.8	20.3	19.3	20.8	21.3
	3H	21.6	23.0	22.1	23.5	24.0	20.4	21.8	20.9	22.3	22.8
	4H	22.6	23.9	23.1	24.4	24.9	21.0	22.3	21.5	22.8	23.4
	6H	23.5	24.8	24.0	25.3	25.8	21.3	22.6	21.8	23.1	23.6
	8H	24.0	25.2	24.5	25.7	26.3	21.4	22.6	21.9	23.1	23.7
	12H	24.4	25.6	24.9	26.1	26.7	21.4	22.6	22.0	23.1	23.7
4H	2H	19.9	21.3	20.4	21.8	22.3	19.5	20.8	20.0	21.3	21.9
	3H	22.4	23.5	22.9	24.1	24.6	21.4	22.5	21.9	23.1	23.6
	4H	23.6	24.6	24.1	25.2	25.7	22.1	23.1	22.6	23.7	24.3
	6H	24.7	25.7	25.3	26.2	26.8	22.6	23.5	23.1	24.1	24.7
	8H	25.3	26.1	25.8	26.7	27.3	22.7	23.6	23.3	24.1	24.8
	12H	25.8	26.6	26.4	27.2	27.8	22.8	23.6	23.3	24.1	24.8
8H	4H	23.9	24.8	24.4	25.3	25.9	22.6	23.5	23.2	24.1	24.7
	6H	25.2	26.0	25.8	26.6	27.2	23.3	24.1	23.9	24.7	25.3
	8H	25.9	26.6	26.5	27.2	27.8	23.6	24.2	24.2	24.9	25.5
	12H	26.6	27.2	27.2	27.8	28.5	23.7	24.3	24.3	24.9	25.6
12H	4H	23.9	24.7	24.5	25.3	25.9	22.8	23.6	23.4	24.2	24.8
	6H	25.3	26.0	25.9	26.6	27.3	23.6	24.2	24.2	24.8	25.5
	8H	26.1	26.7	26.7	27.3	28.0	23.9	24.5	24.5	25.1	25.8

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 1630.08 Located At Horizontal Angle = 270, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 3 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)