



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] G005332.001.001  
 [TESTLAB]  
 [TESTDATE] 2022-10-03  
 [ISSUEDATE] 2022-10-25  
 [MANUFAC] LAMAR LED  
 [LUMCAT] VANL-N-24-H-40  
 [LUMINAIRE] VANDAL RESISTANT SURFACE LED LUMINAIRE  
 [MORE]RIBBED LINEAR OPAL HIGH IMPACT EXTRUDED POLYCARBONATE LENS  
 [\_WATTAGE] 27.8  
 [\_LUMENS] 3524  
 [\_EFFICACY] 127

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3524
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	27.8
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)	1.97 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	16048	12039	10842
55	16245	10806	9102
65	17123	9584	6987
75	19901	8460	4217
85	31096	7710	823

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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>	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72
<b>1</b>	1026.75	1026.75	1026.84	1026.84	1026.84	1026.94	1026.94	1027.03	1027.12	1027.21
<b>2</b>	1024.86	1024.86	1024.86	1024.95	1025.05	1025.14	1025.24	1025.43	1025.52	1025.71
<b>3</b>	1022.98	1022.98	1022.98	1023.08	1023.17	1023.27	1023.46	1023.65	1023.92	1024.02
<b>4</b>	1021.01	1021.01	1021.11	1021.20	1021.30	1021.48	1021.67	1021.57	1021.57	1021.76
<b>5</b>	1019.13	1019.13	1019.22	1019.32	1019.41	1019.41	1019.32	1019.22	1019.22	1019.32
<b>6</b>	1017.15	1017.25	1017.34	1017.34	1017.44	1017.15	1016.96	1016.87	1016.87	1016.69
<b>7</b>	1015.28	1015.28	1015.37	1015.37	1015.18	1014.80	1014.53	1014.43	1013.87	1013.49
<b>8</b>	1013.40	1013.40	1013.40	1013.40	1012.83	1012.45	1012.18	1011.42	1010.86	1010.58
<b>9</b>	1011.42	1011.51	1011.51	1011.23	1010.58	1010.10	1009.35	1008.51	1007.94	1007.19
<b>10</b>	1009.54	1009.64	1009.54	1008.97	1008.32	1007.67	1006.54	1005.69	1004.56	1003.43
<b>11</b>	1004.65	1004.84	1005.13	1004.94	1005.03	1004.94	1003.71	1002.40	1000.80	1000.14
<b>12</b>	999.77	999.95	1000.14	999.86	999.86	999.58	999.58	998.64	997.52	996.29
<b>13</b>	994.88	995.07	995.07	994.79	994.50	994.12	993.66	993.37	993.94	992.15
<b>14</b>	989.99	990.18	990.08	989.71	989.15	988.67	987.73	987.92	987.83	988.11
<b>15</b>	985.10	985.19	985.01	984.63	983.88	982.94	982.19	981.90	981.62	981.62
<b>16</b>	980.22	980.31	980.03	979.46	978.43	977.30	976.55	975.98	975.33	974.95
<b>17</b>	975.33	975.42	975.04	974.20	972.98	971.66	970.72	969.78	968.84	967.91
<b>18</b>	970.44	970.44	970.07	969.03	967.53	966.02	965.08	963.57	961.98	960.95
<b>19</b>	965.56	965.56	964.99	963.76	962.08	960.29	959.06	957.09	955.12	953.90
<b>20</b>	960.66	960.66	959.92	958.50	956.71	954.74	952.96	950.42	948.45	946.56
<b>21</b>	953.05	953.23	952.96	952.20	951.36	949.29	946.66	943.75	941.49	938.84
<b>22</b>	945.43	945.72	945.16	944.21	943.46	943.46	940.27	937.22	934.06	931.01
<b>23</b>	937.86	938.11	937.38	936.25	935.18	934.77	933.32	930.86	926.48	923.18
<b>24</b>	930.28	930.49	929.59	928.31	926.89	926.14	924.37	923.53	918.88	915.22
<b>25</b>	922.68	922.83	921.75	920.36	918.82	917.42	915.52	913.78	911.43	907.03
<b>26</b>	915.09	915.16	913.91	912.40	910.70	908.69	906.73	904.11	902.50	898.75
<b>27</b>	907.50	907.48	906.08	904.41	902.54	899.96	897.74	894.56	892.43	890.49
<b>28</b>	899.91	899.78	898.25	896.39	894.16	891.19	888.27	885.15	882.33	880.37
<b>29</b>	892.32	892.07	890.43	888.27	885.74	882.44	878.85	875.64	872.23	869.59
<b>30</b>	884.73	884.36	882.62	880.15	877.36	873.69	869.60	865.72	862.11	858.94
<b>31</b>	874.95	874.72	873.52	871.77	868.94	864.92	860.45	855.84	851.75	848.07
<b>32</b>	865.19	864.87	863.65	861.60	859.60	856.13	851.28	846.05	841.22	837.00
<b>33</b>	855.42	855.04	853.77	851.43	849.17	846.17	842.12	836.25	830.89	826.21
<b>34</b>	845.65	845.20	843.89	841.24	838.77	835.27	832.13	826.43	820.58	815.24
<b>35</b>	835.87	835.39	834.01	831.06	828.31	824.42	820.66	816.48	809.84	804.07
<b>36</b>	826.10	825.59	824.14	820.89	817.88	813.69	809.32	804.93	799.24	792.85
<b>37</b>	816.33	815.78	814.26	810.73	807.49	802.97	798.11	793.23	788.91	781.62
<b>38</b>	806.55	806.02	804.27	800.56	797.10	792.22	786.95	781.67	776.75	770.35
<b>39</b>	796.79	796.25	794.29	790.43	786.74	781.38	775.74	770.01	764.41	758.87
<b>40</b>	787.01	786.48	784.32	780.30	776.43	770.56	764.52	758.11	752.09	746.22
<b>41</b>	775.86	775.47	773.56	770.17	766.15	759.73	753.31	746.33	739.90	733.39
<b>42</b>	764.70	764.30	762.17	758.76	755.28	748.85	742.07	734.77	727.48	720.64
<b>43</b>	753.56	753.12	750.80	747.28	743.30	737.79	730.92	723.22	715.03	707.94
<b>44</b>	742.40	741.94	739.44	735.80	731.40	725.77	719.76	711.32	702.71	694.97
<b>45</b>	731.25	730.74	728.09	724.33	719.55	713.66	707.35	699.47	690.53	682.02
<b>46</b>	720.10	719.55	716.74	712.88	707.77	701.59	694.83	687.52	678.23	668.88
<b>47</b>	708.93	708.34	705.44	701.44	696.02	689.51	682.19	674.75	666.00	655.83
<b>48</b>	697.79	697.13	694.18	689.93	684.31	677.45	669.64	661.76	653.18	642.85
<b>49</b>	686.63	685.92	682.95	678.35	672.63	665.42	657.18	648.69	639.77	630.02
<b>50</b>	675.48	674.69	671.75	666.75	660.88	653.42	644.80	635.81	626.50	617.25
<b>51</b>	663.65	662.87	660.16	655.15	649.11	641.38	632.48	623.08	613.27	603.41
<b>52</b>	651.84	650.96	648.24	643.05	637.20	629.30	620.15	610.41	599.92	589.58
<b>53</b>	640.01	639.07	636.32	630.99	624.90	617.12	607.88	597.61	586.71	575.92

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**CANDELA TABULATION - (Cont.)**

54	628.19	627.18	624.35	619.01	612.67	604.62	595.71	584.80	573.57	562.37
55	616.37	615.31	612.37	607.08	600.56	592.21	582.96	572.04	560.56	548.71
56	604.54	603.42	600.41	595.14	588.45	579.84	570.15	559.36	547.57	535.20
57	592.72	591.55	588.46	583.20	576.36	567.53	557.44	546.54	534.54	521.80
58	580.89	579.68	576.54	571.25	564.30	555.26	544.85	533.72	521.26	508.48
59	569.07	567.82	564.63	559.32	552.20	542.99	532.44	520.81	508.00	495.10
60	557.25	555.95	552.74	547.37	540.07	530.77	520.09	507.98	494.83	481.58
61	545.67	544.33	541.01	535.46	527.97	518.62	507.80	495.24	481.81	468.11
62	534.10	532.73	529.35	523.70	515.99	506.52	495.44	482.58	468.98	454.79
63	522.51	521.14	517.71	511.98	504.14	494.47	483.09	470.02	456.30	441.64
64	510.94	509.55	506.06	500.27	492.29	482.48	470.84	457.52	443.52	428.59
65	499.37	497.95	494.40	488.58	480.46	470.52	458.69	445.16	430.76	415.62
66	487.79	486.36	482.74	476.92	468.66	458.62	446.60	432.98	418.05	402.75
67	476.20	474.76	471.11	465.28	456.89	446.77	434.60	420.89	405.74	390.01
68	464.63	463.17	459.47	453.66	445.14	434.94	422.64	408.83	393.57	377.45
69	453.05	451.58	447.83	442.04	433.45	423.13	410.78	396.81	381.46	365.05
70	441.48	439.99	436.19	430.40	421.77	411.34	398.97	384.86	369.41	352.78
71	430.79	429.26	425.25	419.08	410.12	399.59	387.20	372.99	357.45	340.61
72	420.10	418.61	414.57	408.33	399.32	388.13	375.51	361.20	345.58	328.51
73	409.43	407.95	403.91	397.59	388.61	377.40	364.30	349.55	333.80	316.55
74	398.74	397.30	393.24	386.89	377.93	366.72	353.58	338.46	322.10	304.72
75	388.07	386.65	382.59	376.20	367.28	356.12	342.91	327.73	310.90	293.04
76	377.38	376.00	371.94	365.52	356.66	345.54	332.31	317.04	300.10	281.79
77	366.69	365.37	361.30	354.87	346.06	334.97	321.72	306.37	289.41	271.08
78	356.02	354.72	350.67	344.23	335.47	324.44	311.21	295.72	278.82	260.49
79	345.33	344.08	340.03	333.61	324.91	313.92	300.75	285.13	268.32	250.03
80	334.66	333.44	329.40	323.00	314.38	303.42	290.37	274.63	257.89	239.67
81	325.21	323.94	319.80	313.20	304.33	293.03	280.02	264.21	247.55	229.41
82	315.76	314.49	310.37	303.82	294.98	283.68	270.42	254.10	237.30	219.25
83	306.32	305.05	300.96	294.44	285.64	274.39	261.18	245.02	227.92	209.30
84	296.87	295.59	291.56	285.08	276.32	265.11	251.98	235.99	218.96	200.42
85	287.42	286.14	282.15	275.71	267.00	255.85	242.80	227.01	210.08	191.63
86	277.97	276.70	272.75	266.37	257.71	246.63	233.66	218.09	201.26	182.94
87	268.53	267.25	263.35	257.01	248.43	237.43	224.55	209.21	192.50	174.33
88	259.08	257.80	253.96	247.68	239.17	228.25	215.46	200.38	183.80	165.80
89	249.63	248.36	244.57	238.34	229.92	219.10	206.41	191.58	175.16	157.35
90	240.19	238.91	235.18	229.02	220.68	209.96	197.38	182.83	166.57	148.96
91	232.41	231.15	227.44	221.33	213.06	202.45	189.96	175.55	159.45	142.01
92	224.61	223.38	219.71	213.65	205.44	194.94	182.55	168.30	152.37	135.13
93	216.83	215.61	211.98	205.97	197.84	187.44	175.19	161.07	145.33	128.30
94	209.05	207.84	204.24	198.30	190.26	179.97	167.83	153.89	138.33	121.52
95	201.27	200.08	196.51	190.64	182.66	172.51	160.50	146.72	131.38	114.79
96	193.49	192.31	188.79	182.98	175.09	165.06	153.19	139.59	124.46	108.10
97	185.71	184.55	181.06	175.33	167.54	157.62	145.90	132.47	117.56	101.45
98	177.92	176.78	173.34	167.67	159.97	150.21	138.63	125.39	111.12	96.10
99	170.13	169.02	165.61	160.03	152.43	142.79	131.85	119.48	105.74	90.95
100	162.35	161.32	158.13	152.91	145.82	136.82	126.14	113.92	100.38	85.82
101	156.20	155.17	152.02	146.87	139.86	130.97	120.43	108.38	95.03	80.71
102	150.04	149.02	145.92	140.83	133.90	125.13	114.74	102.87	89.72	75.62
103	143.88	142.86	139.80	134.78	127.95	119.30	109.06	97.35	84.41	70.55
104	137.73	136.71	133.69	128.74	122.00	113.47	103.39	91.85	79.11	65.49
105	131.57	130.56	127.59	122.70	116.06	107.66	97.72	86.36	73.83	61.36
106	125.43	124.42	121.47	116.66	110.12	101.85	92.06	80.87	69.24	57.92
107	119.26	118.27	115.38	110.63	104.18	96.06	86.40	76.05	65.60	54.48
108	113.11	112.12	109.27	104.59	98.25	90.26	81.58	72.21	61.96	51.05
109	106.95	105.98	103.17	98.55	92.52	85.70	77.59	68.40	58.34	47.62

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**CANDELA TABULATION - (Cont.)**

110	100.79	99.95	97.54	93.59	88.27	81.56	73.60	64.59	54.71	44.19
111	96.34	95.51	93.14	89.25	84.02	77.44	69.62	60.78	51.08	40.76
112	91.87	91.06	88.74	84.93	79.78	73.32	65.63	56.96	47.44	37.33
113	87.42	86.62	84.33	80.60	75.54	69.19	61.65	53.14	43.80	34.95
114	82.96	82.18	79.93	76.27	71.29	65.06	57.67	49.32	40.36	32.84
115	78.50	77.73	75.53	71.95	67.05	60.93	53.69	45.49	38.08	30.73
116	74.04	73.29	71.12	67.62	62.80	56.81	49.70	42.63	35.81	28.61
117	69.58	68.83	66.72	63.28	58.55	52.69	46.34	40.22	33.53	26.48
118	65.12	64.39	62.31	58.96	54.31	49.12	43.77	37.80	31.26	24.35
119	60.66	59.94	57.91	54.63	50.84	46.44	41.22	35.37	28.97	22.20
120	56.20	55.64	54.07	51.57	48.08	43.77	38.66	32.94	26.67	20.04
121	53.25	52.72	51.18	48.71	45.32	41.09	36.10	30.50	24.37	18.22
122	50.31	49.78	48.29	45.87	42.56	38.41	33.54	28.06	22.06	17.12
123	47.36	46.86	45.39	43.02	39.78	35.74	30.97	25.60	20.03	16.02
124	44.42	43.92	42.51	40.18	37.01	33.05	28.40	23.15	18.82	14.91
125	41.48	41.00	39.61	37.33	34.24	30.36	25.82	21.25	17.62	13.78
126	38.53	38.07	36.72	34.49	31.46	27.68	23.24	19.93	16.39	12.64
127	35.59	35.14	33.82	31.65	28.69	24.99	21.83	18.61	15.16	11.50
128	32.64	32.22	30.93	28.81	25.91	23.20	20.42	17.28	13.92	10.35
129	29.70	29.28	28.03	25.96	24.05	21.71	19.00	15.95	12.67	9.18
130	26.75	26.50	25.67	24.33	22.49	20.21	17.59	14.61	11.41	8.01
131	25.07	24.82	24.02	22.71	20.94	18.73	16.16	13.26	10.14	6.54
132	23.39	23.15	22.37	21.10	19.37	17.23	14.72	11.91	8.86	5.03
133	21.72	21.48	20.73	19.49	17.80	15.73	13.28	10.55	7.38	3.50
134	20.04	19.81	19.08	17.87	16.24	14.21	11.85	9.18	5.77	1.97
135	18.37	18.13	17.43	16.26	14.67	12.71	10.40	7.59	4.16	0.44
136	16.69	16.47	15.78	14.64	13.10	11.19	8.92	5.90	2.55	0.00
137	15.01	14.79	14.13	13.03	11.53	9.67	7.16	4.21	0.92	0.00
138	13.33	13.11	12.47	11.41	9.95	7.91	5.39	2.51	0.00	0.00
139	11.66	11.45	10.81	9.78	8.14	6.08	3.63	0.81	0.00	0.00
140	9.98	9.74	9.03	7.86	6.25	4.24	1.85	0.00	0.00	0.00
141	7.99	7.75	7.06	5.93	4.37	2.41	0.08	0.00	0.00	0.00
142	5.99	5.76	5.10	3.99	2.48	0.57	0.00	0.00	0.00	0.00
143	3.99	3.78	3.12	2.05	0.58	0.00	0.00	0.00	0.00	0.00
144	1.99	1.78	1.16	0.12	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-24-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	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72
1	1027.40	1027.50	1027.59	1027.78	1027.97	1028.06	1028.24	1028.43	1028.53	1028.43
2	1025.99	1026.18	1026.46	1026.75	1027.03	1027.31	1027.59	1027.97	1028.24	1028.06
3	1024.21	1024.40	1024.59	1024.86	1025.14	1025.52	1025.99	1026.46	1026.94	1026.56
4	1021.86	1022.05	1022.33	1022.70	1023.08	1023.65	1024.11	1024.68	1025.33	1024.95
5	1019.51	1019.69	1019.69	1019.88	1020.17	1020.63	1021.11	1021.76	1022.52	1022.14
6	1016.41	1016.41	1016.60	1016.87	1017.44	1018.00	1018.76	1019.60	1020.54	1019.98
7	1013.40	1013.49	1013.68	1013.87	1014.24	1014.80	1015.56	1016.50	1017.63	1017.06
8	1010.39	1010.02	1009.92	1010.20	1010.67	1011.23	1012.08	1013.12	1014.43	1013.68
9	1006.54	1006.35	1006.35	1006.54	1006.81	1007.38	1008.32	1009.45	1010.86	1010.10
10	1003.06	1002.68	1002.40	1002.30	1002.40	1002.78	1003.52	1004.56	1006.07	1005.13
11	999.20	998.55	997.89	997.52	997.52	997.89	998.73	999.95	1001.55	1000.62
12	995.07	993.94	993.09	992.72	992.53	992.91	993.75	995.17	996.95	995.91
13	990.65	989.34	988.21	987.45	987.27	987.64	988.48	989.99	991.96	990.74
14	986.14	984.26	982.84	982.00	981.62	981.72	982.38	983.70	985.67	984.54
15	981.16	978.90	977.39	976.17	975.52	975.42	975.98	977.39	979.46	978.24
16	974.67	973.55	971.56	970.07	969.12	968.56	969.03	970.34	972.60	971.37
17	967.72	967.99	965.56	963.39	961.79	961.51	962.17	963.67	966.02	964.61
18	960.47	960.57	958.79	956.34	955.12	954.36	954.46	955.77	958.22	956.71
19	952.86	952.29	952.02	949.58	947.41	946.47	946.66	947.97	950.42	949.10
20	945.06	944.03	944.49	941.86	939.76	938.49	938.32	939.55	942.14	940.73
21	936.81	936.05	935.50	934.50	931.48	929.93	929.96	931.45	934.32	932.80
22	928.83	927.18	926.87	926.11	923.00	921.49	921.30	922.49	925.18	923.80
23	920.46	918.56	917.30	917.27	914.65	912.70	911.96	913.09	916.03	914.47
24	911.90	909.47	907.76	907.95	905.65	903.00	902.34	903.44	906.39	904.88
25	903.43	900.09	898.36	897.80	896.12	893.54	892.71	893.81	896.86	895.32
26	894.38	890.82	888.59	887.30	886.84	883.89	882.40	883.20	886.28	884.72
27	885.34	881.41	878.31	877.01	877.11	873.21	872.05	873.00	876.15	874.40
28	876.36	871.63	868.14	866.41	866.02	863.37	861.51	862.06	865.11	863.57
29	866.96	861.73	857.86	855.27	855.30	852.65	850.81	851.64	855.02	853.11
30	856.75	851.71	847.21	844.54	843.79	842.09	839.56	839.77	842.94	841.41
31	845.49	841.69	836.52	833.23	832.33	830.51	827.69	827.95	831.31	829.69
32	833.90	831.52	825.67	821.90	819.98	818.82	816.05	816.18	819.33	817.82
33	822.37	820.06	814.61	810.04	807.64	807.67	804.32	804.28	807.72	805.90
34	810.79	807.72	803.55	798.00	795.68	795.83	792.06	791.84	795.29	793.65
35	799.13	795.38	791.84	786.13	783.31	783.00	779.59	779.31	782.80	781.11
36	787.11	783.13	780.35	774.26	770.58	769.94	766.99	766.41	769.88	768.42

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

37	775.16	770.46	767.37	762.22	757.71	756.70	754.28	753.59	756.89	755.37
38	763.32	757.66	754.26	749.76	744.75	743.57	741.45	740.24	743.77	742.20
39	751.65	744.90	741.20	737.16	731.76	730.01	727.88	726.70	730.19	728.68
40	739.53	732.18	727.68	724.63	718.62	715.98	714.51	713.16	716.74	715.10
41	727.24	719.43	714.07	711.54	705.07	702.16	701.02	699.42	702.89	701.44
42	714.72	706.59	700.52	697.27	691.58	688.27	687.38	685.39	688.95	687.48
43	701.09	693.66	686.94	683.02	678.25	674.13	673.47	671.57	674.98	673.38
44	687.53	680.68	673.18	668.69	664.40	659.91	659.87	656.89	660.25	658.88
45	673.96	667.76	659.48	654.49	650.78	645.67	645.08	642.48	646.04	644.61
46	660.39	653.78	645.82	639.86	636.83	630.96	630.60	627.77	630.96	629.78
47	646.88	639.50	632.16	625.44	622.51	616.59	615.57	612.73	615.99	614.99
48	633.49	625.35	618.37	610.91	607.55	601.91	600.08	598.06	601.32	600.39
49	620.00	611.29	604.59	596.15	592.41	587.02	585.21	583.18	586.34	585.37
50	606.35	597.20	589.84	581.66	577.04	572.23	569.91	567.81	570.75	570.00
51	593.04	583.02	574.94	567.27	561.65	557.41	554.31	552.66	555.94	554.97
52	579.93	568.93	560.03	552.76	546.27	542.68	538.79	537.36	540.45	539.59
53	566.40	554.94	545.30	538.19	530.84	527.74	523.29	521.86	524.78	524.10
54	552.08	540.93	530.71	523.43	515.52	512.69	507.55	505.94	508.63	508.31
55	537.67	527.01	516.11	508.08	500.18	497.26	491.65	490.17	493.15	492.69
56	523.48	512.92	501.34	492.39	484.75	480.94	475.70	474.38	477.02	476.82
57	509.48	498.36	486.84	476.98	469.58	464.96	459.91	458.51	460.94	461.04
58	495.50	483.90	472.48	461.77	454.35	448.46	444.08	442.45	444.82	445.08
59	481.64	469.29	458.16	446.59	439.21	432.54	428.14	426.51	428.64	428.90
60	467.93	454.78	443.23	431.67	423.47	416.37	412.18	410.47	412.09	412.70
61	454.39	440.40	428.24	416.85	407.55	400.20	396.30	394.06	395.83	396.41
62	440.83	426.30	413.39	402.13	391.85	384.09	380.39	377.58	379.18	380.11
63	427.16	412.46	398.71	387.36	376.02	368.17	364.30	361.18	362.77	363.84
64	413.55	398.68	384.22	372.19	360.38	352.40	348.32	344.76	345.99	347.60
65	400.13	384.87	369.84	356.99	345.04	336.65	331.88	328.13	329.29	330.82
66	386.80	371.04	355.64	341.94	330.04	320.77	315.16	311.35	312.51	313.89
67	373.64	357.40	341.65	327.12	315.22	304.66	298.55	294.56	296.23	297.20
68	360.66	343.95	327.67	312.57	300.30	288.70	281.83	277.79	279.59	280.41
69	347.79	330.77	313.84	298.18	284.91	272.77	265.53	260.99	262.32	263.59
70	335.13	317.73	300.22	284.05	269.85	257.01	249.05	244.37	245.05	247.00
71	322.75	304.83	286.76	270.03	255.02	241.68	232.74	227.88	228.31	230.53
72	310.54	292.18	273.43	256.22	240.33	226.67	216.90	211.51	211.79	214.24
73	298.48	279.83	260.29	242.69	226.01	211.93	201.45	195.33	195.51	198.13
74	286.55	267.65	247.57	229.37	212.09	197.09	185.83	179.48	179.29	182.30
75	274.74	255.62	235.40	216.37	198.45	182.58	170.43	163.77	162.98	166.65
76	263.10	243.77	223.45	203.69	185.22	168.58	155.53	148.40	147.17	151.33
77	251.69	232.10	211.74	191.54	172.37	155.01	141.13	133.07	131.55	136.02
78	241.05	220.61	200.28	179.76	159.92	141.94	127.21	117.76	116.34	120.84
79	230.55	209.92	189.05	168.30	147.87	129.19	113.48	103.01	101.50	106.23
80	220.20	199.56	178.23	157.18	136.39	117.00	100.27	88.85	87.03	92.31
81	209.96	189.37	168.05	146.41	125.31	105.49	87.83	75.49	73.21	79.20
82	199.86	179.36	158.09	136.38	114.62	94.64	76.22	62.89	59.84	66.85
83	189.90	169.51	148.35	126.73	104.39	84.34	65.61	51.26	47.05	55.50
84	180.54	159.83	138.83	117.31	95.33	74.56	55.91	40.71	34.85	45.32
85	171.88	151.10	129.54	108.18	86.66	65.66	46.94	30.70	23.86	35.67
86	163.31	142.72	121.34	99.57	78.31	57.80	38.74	22.18	14.64	27.51
87	154.86	134.49	113.32	91.87	70.63	50.39	31.81	15.57	7.50	21.21
88	146.50	126.35	105.46	84.38	63.62	43.78	25.85	10.33	3.23	16.12
89	138.24	118.35	97.75	77.08	56.87	37.80	20.82	6.85	2.15	12.66
90	130.08	110.44	90.18	69.96	50.34	32.11	16.33	4.55	1.08	10.18
91	123.36	104.00	84.10	64.31	45.28	27.85	13.22	3.36	0.00	8.64
92	116.72	97.64	78.13	58.80	40.38	23.76	10.50	2.62	0.00	7.44

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

93	110.17	91.38	72.26	53.40	35.61	20.20	8.45	2.22	0.00	6.56
94	103.66	85.18	66.48	48.10	31.56	17.37	6.77	2.05	0.00	5.93
95	97.20	79.04	60.76	43.80	28.11	14.55	5.67	1.99	0.00	5.44
96	90.79	73.28	56.34	39.90	24.70	12.50	4.68	1.81	0.00	4.71
97	85.18	68.63	52.05	36.04	21.32	10.89	4.10	0.15	0.00	0.38
98	80.25	64.01	47.79	32.20	19.18	9.26	3.49	0.00	0.00	0.00
99	75.37	59.43	43.58	28.74	17.18	8.02	3.18	0.00	0.00	0.00
100	70.51	54.88	39.37	26.37	15.17	7.16	2.99	0.00	0.00	0.00
101	65.69	50.35	36.21	24.00	13.12	6.27	2.78	0.00	0.00	0.00
102	60.88	46.15	33.53	21.63	11.88	5.35	2.24	0.00	0.00	0.00
103	56.09	43.20	30.86	19.24	10.78	4.88	1.06	0.00	0.00	0.00
104	52.61	40.25	28.18	17.16	9.65	4.55	0.00	0.00	0.00	0.00
105	49.39	37.29	25.50	15.84	8.50	4.19	0.00	0.00	0.00	0.00
106	46.17	34.34	22.79	14.52	7.31	3.83	0.00	0.00	0.00	0.00
107	42.97	31.37	21.14	13.17	6.85	3.43	0.00	0.00	0.00	0.00
108	39.77	28.40	19.61	11.81	6.38	2.45	0.00	0.00	0.00	0.00
109	36.56	26.27	18.06	10.41	5.91	1.37	0.00	0.00	0.00	0.00
110	33.35	24.54	16.49	9.40	5.40	0.31	0.00	0.00	0.00	0.00
111	30.96	22.80	14.91	8.81	4.88	0.00	0.00	0.00	0.00	0.00
112	29.03	21.03	13.30	8.22	4.33	0.00	0.00	0.00	0.00	0.00
113	27.10	19.27	11.91	7.59	3.33	0.00	0.00	0.00	0.00	0.00
114	25.15	17.50	11.19	6.95	2.23	0.00	0.00	0.00	0.00	0.00
115	23.20	15.69	10.46	6.28	1.13	0.00	0.00	0.00	0.00	0.00
116	21.22	14.18	9.71	5.60	0.04	0.00	0.00	0.00	0.00	0.00
117	19.24	13.32	8.95	4.78	0.00	0.00	0.00	0.00	0.00	0.00
118	17.26	12.45	8.18	3.62	0.00	0.00	0.00	0.00	0.00	0.00
119	15.95	11.57	7.38	2.47	0.00	0.00	0.00	0.00	0.00	0.00
120	14.96	10.68	6.56	1.30	0.00	0.00	0.00	0.00	0.00	0.00
121	13.96	9.76	5.65	0.13	0.00	0.00	0.00	0.00	0.00	0.00
122	12.95	8.84	4.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	11.93	7.90	3.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	10.90	6.95	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	9.86	5.75	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	8.81	4.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	7.75	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	6.49	1.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	5.08	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.79	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-24-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	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72
1	1028.34	1028.24	1028.16	1028.06	1027.97	1027.87	1027.87	1027.78	1027.68	1027.68
2	1027.87	1027.68	1027.50	1027.31	1027.12	1027.03	1026.94	1026.75	1026.65	1026.56
3	1026.27	1026.08	1025.90	1025.71	1025.62	1025.52	1025.52	1025.52	1025.52	1025.43
4	1024.59	1024.30	1024.02	1023.83	1023.65	1023.55	1023.55	1023.55	1023.73	1023.92
5	1021.76	1021.57	1021.48	1021.39	1021.48	1021.57	1021.57	1021.57	1021.67	1021.86
6	1019.51	1019.22	1018.95	1018.85	1018.85	1019.04	1019.22	1019.51	1019.79	1019.98
7	1016.60	1016.31	1016.12	1016.22	1016.31	1016.50	1016.87	1017.34	1017.72	1018.19
8	1013.21	1012.93	1012.83	1013.02	1013.40	1013.77	1014.24	1014.90	1015.56	1016.22
9	1009.54	1009.26	1009.16	1009.45	1009.92	1010.58	1011.51	1012.27	1013.12	1014.24
10	1004.65	1004.56	1004.94	1005.69	1006.25	1007.10	1008.13	1009.54	1010.58	1011.80
11	1000.14	999.95	1000.05	1000.52	1001.84	1003.52	1004.65	1006.16	1008.04	1009.35
12	995.25	995.17	995.53	996.38	997.23	998.55	1000.98	1002.87	1004.84	1007.00
13	990.18	989.99	990.46	991.40	992.99	994.50	996.20	999.30	1001.55	1001.93
14	984.07	984.26	985.10	986.23	987.83	990.18	992.53	994.69	996.01	996.38
15	977.68	977.96	979.00	980.59	982.75	985.10	988.21	988.96	989.53	990.83
16	970.91	971.37	972.60	974.48	977.11	980.12	982.00	983.03	983.32	985.29
17	964.14	964.61	966.02	968.18	971.01	974.67	975.33	976.36	977.87	978.90
18	956.44	957.38	959.25	961.70	964.89	967.24	968.28	969.59	971.56	972.98
19	948.82	949.58	951.45	954.84	958.69	959.73	961.04	962.73	965.08	967.53

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

20	940.65	941.95	944.21	947.03	950.98	952.02	953.61	955.87	958.41	961.60
21	932.61	933.76	936.35	940.36	942.05	944.03	946.10	948.82	951.74	955.40
22	923.98	925.65	928.44	932.48	934.05	935.27	938.31	941.58	945.06	948.91
23	914.69	916.77	920.24	924.34	925.04	927.12	930.21	934.07	938.33	942.33
24	905.19	907.25	911.26	915.03	916.15	918.54	921.98	926.51	931.52	935.81
25	895.71	897.96	901.98	904.91	906.93	909.74	913.89	918.78	924.19	927.10
26	885.46	888.60	892.96	894.65	897.15	901.09	905.34	911.00	915.58	918.33
27	874.94	877.82	883.51	884.60	887.12	891.54	896.86	902.99	906.10	909.43
28	864.47	867.62	872.20	874.23	877.20	881.94	888.44	893.20	896.38	900.01
29	853.84	857.32	861.14	863.02	867.15	872.34	878.99	882.85	886.60	890.67
30	842.72	846.61	850.18	852.03	856.61	862.58	868.94	872.73	876.80	881.50
31	831.14	835.52	838.47	841.30	845.92	852.71	857.90	862.15	866.84	872.22
32	819.47	824.16	826.63	829.90	835.28	842.77	846.61	851.27	856.74	862.64
33	807.59	812.74	814.63	818.22	824.74	831.49	835.27	840.56	846.79	853.15
34	795.51	800.81	802.55	806.56	813.44	819.50	824.00	829.73	836.83	843.86
35	783.27	788.39	790.27	794.92	801.95	807.69	812.74	818.83	826.54	834.42
36	770.81	775.47	777.73	783.14	790.82	795.07	801.25	807.98	816.27	823.15
37	758.20	762.53	764.94	771.53	778.15	782.52	789.70	797.20	805.85	811.61
38	745.11	749.31	752.19	758.70	765.32	770.11	777.91	786.45	793.70	800.18
39	731.93	735.69	739.38	746.37	752.69	757.75	765.74	775.74	781.58	788.73
40	718.47	722.00	726.32	733.93	738.75	745.27	753.89	763.68	769.55	777.22
41	705.00	708.16	712.90	721.21	725.37	732.82	742.13	750.58	757.56	765.74
42	691.53	694.11	699.90	707.25	711.99	720.14	729.98	737.51	745.50	754.17
43	677.59	680.23	685.98	692.94	698.57	707.21	716.59	724.48	733.45	742.68
44	663.46	666.05	672.39	679.11	685.33	694.49	703.24	711.80	721.42	731.10
45	649.30	651.57	658.93	664.35	671.64	681.72	689.74	699.33	709.41	719.58
46	634.90	637.23	645.14	650.02	658.04	667.84	676.26	686.37	697.15	707.64
47	619.64	622.78	631.02	635.75	644.39	653.80	662.82	673.55	685.02	694.83
48	604.71	608.15	615.98	621.39	630.74	639.74	649.44	660.98	672.40	681.98
49	589.86	593.36	600.76	607.05	617.34	625.73	636.04	648.39	659.09	669.06
50	574.24	578.98	585.64	592.64	602.54	611.68	622.65	635.59	645.96	656.19
51	558.67	564.06	570.16	578.19	587.75	597.61	609.42	621.64	632.87	643.45
52	543.39	549.10	555.33	563.75	573.23	583.61	596.31	607.80	619.49	630.78
53	527.65	534.31	539.92	549.31	558.36	569.68	582.88	594.05	606.22	618.19
54	512.01	519.36	524.50	534.77	543.69	555.81	568.71	580.40	593.07	605.72
55	496.14	503.82	509.21	519.65	529.18	542.09	554.50	566.80	580.00	593.36
56	480.55	487.65	493.93	503.99	514.84	528.03	540.22	553.32	566.98	580.44
57	464.69	471.56	478.79	488.53	500.28	513.24	526.04	539.91	554.03	567.28
58	448.76	455.80	463.66	473.26	485.85	498.53	511.98	526.57	540.74	554.21
59	432.83	439.49	448.69	458.18	471.68	484.11	498.08	513.32	527.47	541.24
60	416.86	423.40	433.00	443.14	456.82	469.84	484.38	499.81	514.33	528.35
61	400.99	407.32	416.95	428.25	441.78	455.66	470.84	486.22	501.22	515.51
62	385.07	391.23	401.05	413.54	426.84	441.46	457.28	472.74	488.19	502.69
63	369.00	375.43	385.67	399.02	412.08	427.35	443.53	459.40	475.29	489.93
64	353.20	359.79	370.10	383.90	397.51	413.52	429.84	446.18	462.41	477.28
65	336.96	343.86	354.67	368.61	383.06	399.63	416.33	433.10	449.62	464.98
66	320.31	328.42	339.47	353.32	368.85	385.65	402.96	420.10	436.93	452.79
67	303.61	312.04	324.65	338.54	354.85	371.89	389.75	407.24	424.42	440.65
68	286.92	296.13	309.83	324.01	340.79	358.42	376.69	394.51	412.03	428.42
69	270.78	280.31	294.44	309.58	326.94	345.11	363.77	381.96	399.75	416.11
70	254.25	264.60	279.22	295.42	313.34	332.02	351.03	369.56	387.53	403.94
71	237.98	249.29	264.40	281.42	299.95	319.20	338.34	357.31	375.37	391.87
72	222.24	234.41	249.81	267.38	286.60	306.52	325.87	345.09	363.30	379.93
73	206.86	219.66	235.60	253.72	273.46	293.92	313.62	333.03	351.35	368.11
74	191.27	204.77	221.62	240.44	260.55	281.53	301.59	321.11	339.50	356.81
75	175.90	190.29	207.90	227.43	248.01	269.33	289.72	309.33	328.15	345.88

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

76	161.07	176.37	194.73	214.69	235.84	257.35	278.00	297.94	317.15	335.02
77	146.76	162.89	181.86	202.46	223.98	245.59	266.54	287.01	306.25	324.22
78	132.95	149.69	169.39	190.63	212.38	234.05	255.71	276.20	295.45	313.52
79	119.27	136.96	157.30	179.08	201.07	223.19	245.02	265.49	284.71	302.89
80	106.14	124.78	145.65	167.87	190.21	212.64	234.47	254.91	274.05	292.32
81	93.81	113.23	134.46	157.01	179.89	202.27	224.00	244.42	263.49	281.80
82	82.30	102.33	123.68	146.82	169.76	192.08	213.68	234.06	253.04	271.56
83	71.77	91.97	113.38	137.01	159.82	182.06	203.51	223.91	243.43	262.12
84	62.16	82.17	104.22	127.48	150.13	172.22	193.94	214.80	234.24	252.74
85	53.21	73.23	95.46	118.25	140.66	163.27	185.05	205.79	225.11	243.39
86	45.06	65.28	87.03	109.49	132.27	154.68	176.28	196.87	216.05	234.10
87	38.17	57.79	79.20	101.57	124.05	146.23	167.61	188.03	207.06	224.85
88	32.23	51.05	72.00	93.86	115.99	137.92	159.03	179.26	198.13	215.66
89	27.08	44.87	65.05	86.37	108.09	129.72	150.57	170.58	189.27	206.50
90	22.45	39.00	58.34	79.04	100.34	121.62	142.19	161.96	180.45	197.38
91	19.12	34.55	53.05	73.18	94.00	114.93	135.24	154.77	173.06	189.85
92	16.15	30.28	47.94	67.44	87.81	108.33	128.35	147.64	165.73	182.34
93	13.80	26.51	42.95	61.83	81.70	101.81	121.55	140.57	158.44	174.87
94	11.80	23.37	38.66	56.30	75.68	95.37	114.81	133.56	151.19	167.44
95	10.35	20.29	34.93	51.74	69.75	89.01	108.13	126.59	143.97	160.03
96	9.06	17.95	31.26	47.55	65.06	83.00	101.50	119.66	136.81	152.65
97	8.20	16.05	27.62	43.41	60.48	78.06	95.63	112.77	129.67	145.29
98	7.30	14.14	25.18	39.29	55.95	73.18	90.41	107.14	123.00	137.97
99	6.72	12.62	22.88	35.58	51.45	68.32	85.24	101.68	117.31	131.77
100	6.27	11.49	20.57	32.90	46.97	63.49	80.10	96.25	111.65	125.90
101	5.82	10.35	18.24	30.22	43.51	58.68	74.97	90.85	106.01	120.05
102	4.69	9.17	16.71	27.55	40.52	54.21	69.87	85.48	100.40	114.23
103	2.17	8.48	15.35	24.86	37.55	50.94	64.78	80.12	94.79	108.41
104	0.00	7.93	13.97	22.49	34.58	47.68	60.99	74.78	89.20	102.61
105	0.00	7.38	12.56	20.93	31.59	44.42	57.46	70.34	83.61	96.82
106	0.00	6.80	11.12	19.33	28.60	41.17	53.95	66.58	78.71	91.04
107	0.00	6.20	10.46	17.71	26.68	37.91	50.43	62.84	74.74	85.91
108	0.00	4.37	9.79	16.08	24.86	34.64	46.92	59.08	70.78	81.76
109	0.00	2.41	9.11	14.42	23.04	32.21	43.40	55.34	66.82	77.62
110	0.00	0.53	8.40	13.16	21.19	30.18	39.88	51.60	62.87	73.47
111	0.00	0.00	7.67	12.38	19.33	28.14	37.19	47.85	58.92	69.33
112	0.00	0.00	6.93	11.59	17.46	26.11	34.97	44.11	54.97	65.19
113	0.00	0.00	5.29	10.77	15.79	24.06	32.75	41.42	51.02	61.05
114	0.00	0.00	3.51	9.91	14.88	21.99	30.51	39.01	47.26	56.91
115	0.00	0.00	1.76	9.05	13.95	19.89	28.27	36.59	44.69	52.76
116	0.00	0.00	0.06	8.17	13.01	18.11	26.00	34.16	42.10	49.58
117	0.00	0.00	0.00	7.04	12.02	17.05	23.72	31.72	39.51	46.84
118	0.00	0.00	0.00	5.29	11.03	15.97	21.43	29.29	36.92	44.08
119	0.00	0.00	0.00	3.58	10.04	14.88	19.87	26.84	34.32	41.34
120	0.00	0.00	0.00	1.87	9.02	13.78	18.67	24.39	31.70	38.57
121	0.00	0.00	0.00	0.19	7.83	12.66	17.46	22.27	29.08	35.81
122	0.00	0.00	0.00	0.00	6.08	11.53	16.23	20.95	26.45	33.05
123	0.00	0.00	0.00	0.00	4.33	10.38	14.99	19.62	24.14	30.27
124	0.00	0.00	0.00	0.00	2.61	9.21	13.75	18.28	22.69	27.50
125	0.00	0.00	0.00	0.00	0.90	7.64	12.49	16.93	21.24	25.33
126	0.00	0.00	0.00	0.00	0.00	5.86	11.22	15.57	19.79	23.77
127	0.00	0.00	0.00	0.00	0.00	4.08	9.93	14.20	18.32	22.20
128	0.00	0.00	0.00	0.00	0.00	2.32	8.34	12.82	16.84	20.63
129	0.00	0.00	0.00	0.00	0.00	0.57	6.50	11.43	15.35	19.05
130	0.00	0.00	0.00	0.00	0.00	0.00	4.67	10.02	13.86	17.48
131	0.00	0.00	0.00	0.00	0.00	0.00	2.84	8.17	12.36	15.89

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

132	0.00	0.00	0.00	0.00	0.00	0.00	1.01	6.25	10.84	14.29
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.34	9.05	12.69
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.44	7.06	11.07
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	5.08	9.16
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.10	7.11
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	5.06
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.01
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97
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>	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72
<b>1</b>	1027.59	1027.59	1027.59	1027.50	1027.50	1027.50	1027.50	1027.59	1027.59	1027.59
<b>2</b>	1026.56	1026.46	1026.37	1026.37	1026.37	1026.37	1026.37	1026.37	1026.46	1026.56

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

3	1025.33	1025.33	1025.24	1025.24	1025.14	1025.14	1025.14	1025.24	1025.33	1025.52
4	1024.11	1024.11	1024.02	1024.02	1024.02	1024.02	1024.02	1024.11	1024.21	1024.40
5	1022.23	1022.70	1022.79	1022.79	1022.79	1022.79	1022.79	1022.98	1023.08	1022.89
6	1020.25	1020.82	1021.48	1021.57	1021.67	1021.57	1021.67	1021.76	1021.95	1021.48
7	1018.47	1018.85	1019.69	1020.35	1020.44	1020.44	1020.44	1020.63	1020.54	1019.98
8	1016.69	1017.15	1017.82	1018.95	1019.22	1019.22	1019.32	1019.51	1019.22	1018.47
9	1014.90	1015.47	1016.03	1017.25	1017.91	1018.09	1018.09	1018.38	1017.82	1016.96
10	1013.21	1013.77	1014.34	1015.47	1016.69	1016.96	1016.87	1017.25	1016.50	1015.47
11	1010.96	1012.18	1011.70	1011.80	1012.83	1012.83	1012.64	1013.12	1012.55	1012.08
12	1007.29	1007.75	1007.38	1007.29	1008.42	1008.51	1008.42	1008.79	1008.23	1007.67
13	1002.30	1002.68	1002.87	1002.87	1003.81	1004.28	1004.19	1004.46	1003.81	1003.34
14	997.33	997.70	998.36	998.45	999.30	999.95	999.95	1000.14	999.49	999.01
15	991.87	992.81	993.66	994.12	994.79	995.63	995.63	995.82	995.17	994.50
16	986.42	987.83	988.77	989.71	990.27	991.31	991.40	991.50	990.83	990.08
17	981.06	982.84	983.97	985.10	985.76	986.99	987.18	987.18	986.61	985.76
18	975.61	977.49	979.19	980.49	981.35	982.66	982.94	982.84	982.28	981.35
19	969.78	972.23	974.29	975.80	977.02	978.33	978.62	978.62	977.87	976.93
20	963.86	966.96	969.40	971.01	972.69	974.01	974.39	974.39	973.45	972.42
21	958.22	961.70	964.52	965.37	966.40	967.15	967.34	967.53	967.05	966.78
22	952.86	955.96	957.28	958.12	959.35	960.10	960.38	960.38	959.92	959.35
23	946.56	947.88	949.58	950.80	952.29	952.96	953.33	953.33	952.77	951.93
24	938.24	939.85	941.95	943.56	945.06	945.91	946.29	946.19	945.62	944.49
25	929.67	931.94	934.26	936.12	937.81	938.85	939.31	939.13	938.53	937.04
26	920.90	923.98	926.53	928.73	930.52	931.79	932.29	932.05	931.40	929.53
27	912.25	915.95	918.80	921.36	923.24	924.74	925.27	924.98	924.21	922.04
28	903.73	907.70	911.05	914.01	915.95	917.69	918.25	917.93	917.00	914.54
29	895.24	899.45	903.34	906.53	908.67	910.66	911.23	910.88	909.77	907.02
30	886.55	891.11	895.72	899.06	901.38	903.62	904.22	903.83	902.49	899.51
31	877.84	882.73	887.99	891.31	892.76	894.49	894.90	894.69	893.76	891.75
32	868.82	874.42	879.08	881.62	883.29	885.11	885.58	885.31	884.17	882.04
33	859.75	865.10	868.92	871.85	873.83	875.75	876.25	875.92	874.59	872.30
34	850.22	854.71	858.79	862.04	864.38	866.38	866.92	866.52	865.04	862.51
35	839.50	844.30	848.65	852.25	854.92	857.00	857.62	857.10	855.49	852.76
36	828.71	833.78	838.56	842.50	845.47	847.62	848.29	847.66	845.98	843.01
37	817.59	823.33	828.50	832.76	836.02	838.24	838.97	838.22	836.47	833.31
38	806.54	812.87	818.36	823.02	826.56	828.84	829.65	828.78	826.93	823.58
39	795.75	802.24	808.11	813.26	817.09	819.44	820.32	819.33	817.38	813.85
40	785.02	791.66	797.87	803.48	807.64	810.05	811.01	809.90	807.85	804.13
41	774.14	781.17	787.61	793.66	797.22	799.19	800.00	799.12	797.40	794.37
42	762.96	770.82	777.08	782.29	786.08	788.15	789.00	788.17	786.27	783.03
43	751.80	760.19	765.47	770.90	774.96	777.09	778.01	777.19	775.14	771.58
44	740.79	748.27	753.87	759.51	763.83	766.04	767.00	766.22	764.02	760.14
45	728.48	736.14	742.28	748.12	752.68	754.98	756.00	755.22	752.88	748.74
46	716.07	724.07	730.72	736.73	741.50	743.92	745.00	744.22	741.74	737.37
47	703.74	712.03	719.16	725.35	730.34	732.84	733.99	733.21	730.59	726.02
48	691.51	700.13	707.58	713.96	719.19	721.77	722.99	722.17	719.47	714.70
49	679.22	688.28	695.98	702.55	708.07	710.69	711.99	711.13	708.37	703.38
50	666.77	676.47	684.36	691.18	696.96	699.61	700.99	700.08	697.28	692.08
51	654.36	664.50	672.81	679.79	685.35	687.78	689.09	688.24	685.66	680.79
52	642.01	652.49	661.11	667.67	673.34	675.87	677.19	676.31	673.63	668.67
53	629.76	640.36	648.85	655.58	661.33	663.98	665.29	664.39	661.59	656.53
54	617.61	627.72	636.59	643.53	649.30	652.10	653.39	652.49	649.54	644.38
55	604.86	615.16	624.28	631.50	637.24	640.23	641.50	640.58	637.49	632.22
56	592.20	602.63	612.01	619.46	625.21	628.36	629.59	628.67	625.45	620.08
57	579.57	590.17	599.75	607.42	613.20	616.49	617.70	616.76	613.41	607.98
58	566.90	577.74	587.54	595.36	601.19	604.62	605.80	604.83	601.38	595.91

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

59	554.12	565.39	575.35	583.31	589.21	592.75	593.91	592.91	589.37	583.87
60	541.46	553.04	563.14	571.24	577.23	580.88	582.00	580.99	577.35	571.86
61	528.92	540.69	550.97	559.21	565.35	569.09	570.25	569.16	565.46	559.84
62	516.47	528.37	538.86	547.31	553.52	557.33	558.51	557.37	553.63	547.90
63	504.08	516.16	526.82	535.42	541.69	545.55	546.76	545.58	541.82	535.98
64	491.76	504.04	514.80	523.56	529.89	533.77	535.01	533.78	530.03	524.10
65	479.53	491.97	502.84	511.72	518.08	522.01	523.26	522.02	518.23	512.24
66	467.32	479.93	490.92	499.88	506.28	510.23	511.52	510.24	506.45	500.42
67	455.18	467.93	479.04	488.07	494.49	498.48	499.77	498.48	494.69	488.62
68	443.10	455.98	467.17	476.27	482.71	486.71	488.02	486.73	482.92	476.85
69	431.10	444.04	455.33	464.49	470.93	474.93	476.27	474.97	471.17	465.11
70	419.15	432.17	443.53	452.69	459.17	463.17	464.52	463.23	459.42	453.31
71	407.26	420.33	431.74	441.19	447.99	452.15	453.57	452.19	448.22	441.78
72	395.41	408.74	420.70	430.21	437.03	441.19	442.61	441.21	437.23	430.72
73	383.99	397.77	409.77	419.23	426.06	430.24	431.66	430.24	426.24	419.67
74	373.00	386.84	398.84	408.29	415.13	419.28	420.70	419.25	415.27	408.64
75	362.05	375.95	387.94	397.35	404.18	408.33	409.75	408.28	404.27	397.64
76	351.15	365.11	377.04	386.46	393.25	397.37	398.79	397.30	393.31	386.65
77	340.32	354.30	366.18	375.56	382.32	386.43	387.84	386.32	382.33	375.70
78	329.55	343.53	355.32	364.69	371.39	375.48	376.87	375.36	371.36	364.75
79	318.84	332.78	344.49	353.83	360.48	364.52	365.93	364.37	360.39	353.82
80	308.17	322.08	333.66	342.99	349.57	353.58	354.97	353.40	349.42	342.90
81	297.56	311.48	323.33	332.89	339.65	343.78	345.21	343.62	339.52	332.81
82	287.69	301.88	313.66	323.19	329.92	334.02	335.44	333.88	329.82	323.14
83	278.19	292.31	304.02	313.47	320.17	324.27	325.69	324.16	320.12	313.46
84	268.73	282.75	294.39	303.79	310.45	314.51	315.92	314.41	310.42	303.81
85	259.30	273.23	284.78	294.09	300.72	304.76	306.17	304.69	300.72	294.15
86	249.90	263.72	275.20	284.41	290.99	295.00	296.39	294.95	291.04	284.52
87	240.54	254.22	265.63	274.74	281.28	285.26	286.64	285.22	281.35	274.88
88	231.22	244.78	256.07	265.07	271.55	275.51	276.87	275.49	271.67	265.26
89	221.92	235.33	246.53	255.41	261.85	265.75	267.12	265.76	262.00	255.63
90	212.65	225.89	237.00	245.76	252.13	256.01	257.35	256.04	252.32	246.03
91	204.98	218.10	229.10	237.80	244.10	247.96	249.29	247.98	244.28	238.04
92	197.31	210.32	221.21	229.84	236.09	239.91	241.22	239.91	236.24	230.05
93	189.68	202.56	213.34	221.89	228.07	231.86	233.15	231.86	228.22	222.07
94	182.07	194.82	205.47	213.95	220.06	223.81	225.09	223.80	220.19	214.09
95	174.48	187.07	197.61	206.01	212.06	215.76	217.02	215.74	212.16	206.12
96	166.91	179.36	189.77	198.09	204.05	207.71	208.95	207.68	204.13	198.16
97	159.38	171.66	181.93	190.15	196.05	199.67	200.88	199.62	196.10	190.20
98	151.84	163.96	174.11	182.23	188.05	191.62	192.82	191.57	188.10	182.26
99	144.81	156.29	166.30	174.30	180.05	183.58	184.75	183.53	180.08	174.30
100	138.77	149.98	159.40	166.90	172.27	175.60	176.69	175.53	172.29	166.88
101	132.76	143.81	153.11	160.52	165.84	169.13	170.20	169.05	165.86	160.52
102	126.75	137.67	146.85	154.15	159.41	162.67	163.73	162.60	159.43	154.15
103	120.77	131.52	140.58	147.78	152.98	156.20	157.24	156.13	153.00	147.80
104	114.78	125.38	134.33	141.42	146.55	149.73	150.76	149.67	146.58	141.45
105	108.80	119.25	128.06	135.06	140.13	143.26	144.28	143.21	140.16	135.09
106	102.84	113.11	121.81	128.70	133.70	136.80	137.80	136.74	133.74	128.74
107	96.88	107.00	115.55	122.34	127.28	130.33	131.31	130.28	127.32	122.39
108	91.74	100.89	109.30	116.00	120.87	123.86	124.83	123.81	120.90	116.05
109	87.42	96.01	103.24	109.66	114.44	117.40	118.35	117.36	114.49	109.70
110	83.11	91.54	98.66	104.36	108.50	111.05	111.87	111.01	108.54	104.40
111	78.79	87.08	94.08	99.68	103.76	106.26	107.08	106.23	103.80	99.71
112	74.47	82.62	89.50	95.01	99.01	101.46	102.27	101.45	99.05	95.03
113	70.16	78.17	84.92	90.34	94.27	96.67	97.46	96.66	94.30	90.36
114	65.85	73.71	80.35	85.67	89.52	91.88	92.66	91.87	89.54	85.68

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**CANDELA TABULATION - (Cont.)**

115	61.54	69.25	75.78	80.99	84.78	87.08	87.87	87.08	84.79	81.00
116	57.22	64.79	71.20	76.31	80.04	82.30	83.07	82.30	80.05	76.33
117	53.53	60.34	66.61	71.64	75.30	77.51	78.26	77.52	75.30	71.65
118	50.64	56.43	62.03	66.96	70.55	72.72	73.46	72.73	70.55	66.97
119	47.75	53.42	58.21	62.29	65.80	67.92	68.67	67.94	65.80	62.30
120	44.86	50.42	55.10	58.88	61.63	63.28	63.86	63.30	61.62	58.88
121	41.96	47.40	51.99	55.69	58.38	60.00	60.57	60.02	58.37	55.69
122	39.07	44.40	48.88	52.51	55.13	56.72	57.28	56.73	55.13	52.49
123	36.16	41.39	45.78	49.32	51.89	53.45	53.98	53.45	51.87	49.30
124	33.27	38.36	42.66	46.12	48.64	50.17	50.68	50.17	48.62	46.09
125	30.35	35.35	39.55	42.94	45.40	46.89	47.39	46.88	45.37	42.90
126	27.45	32.33	36.44	39.75	42.15	43.62	44.09	43.60	42.12	39.70
127	25.78	29.30	33.33	36.56	38.91	40.34	40.80	40.31	38.87	36.51
128	24.13	27.24	30.20	33.38	35.66	37.05	37.50	37.02	35.62	33.31
129	22.46	25.50	28.06	30.18	32.41	33.78	34.21	33.73	32.36	30.11
130	20.80	23.75	26.25	28.28	29.75	30.64	30.92	30.59	29.69	28.21
131	19.12	22.00	24.44	26.41	27.84	28.71	28.98	28.67	27.79	26.35
132	17.45	20.24	22.62	24.54	25.92	26.77	27.03	26.73	25.87	24.47
133	15.76	18.48	20.80	22.67	24.02	24.84	25.09	24.81	23.97	22.61
134	14.08	16.72	18.98	20.80	22.11	22.90	23.15	22.88	22.07	20.75
135	12.38	14.96	17.16	18.91	20.19	20.97	21.20	20.95	20.16	18.87
136	10.64	13.18	15.33	17.04	18.28	19.03	19.27	19.01	18.25	17.00
137	8.53	11.42	13.50	15.16	16.37	17.10	17.33	17.09	16.35	15.13
138	6.41	9.34	11.67	13.27	14.45	15.16	15.38	15.16	14.43	13.25
139	4.31	7.17	9.55	11.40	12.53	13.22	13.44	13.22	12.53	11.38
140	2.20	5.01	7.33	9.15	10.47	11.25	11.50	11.25	10.46	9.14
141	0.09	2.84	5.12	6.90	8.18	8.95	9.20	8.95	8.18	6.89
142	0.00	0.67	2.89	4.65	5.90	6.65	6.90	6.65	5.90	4.64
143	0.00	0.00	0.68	2.39	3.62	4.36	4.60	4.36	3.62	2.39
144	0.00	0.00	0.00	0.14	1.34	2.06	2.30	2.06	1.34	0.14
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-24-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	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72
1	1027.68	1027.78	1027.78	1027.87	1027.97	1028.06	1028.16	1028.24	1028.34	1028.43
2	1026.65	1026.75	1026.94	1026.84	1026.75	1026.75	1026.75	1026.75	1026.84	1026.94
3	1025.62	1025.43	1025.24	1025.14	1025.05	1025.05	1025.05	1025.05	1025.14	1025.33
4	1024.02	1023.83	1023.55	1023.46	1023.36	1023.27	1023.27	1023.36	1023.46	1023.65
5	1022.52	1022.23	1021.95	1021.76	1021.57	1021.57	1021.57	1021.67	1021.67	1021.76
6	1021.01	1020.54	1020.25	1020.07	1019.88	1019.79	1019.69	1019.60	1019.32	1019.13
7	1019.41	1018.85	1018.57	1018.38	1018.09	1017.91	1017.25	1016.60	1016.22	1016.12
8	1017.82	1017.34	1016.96	1016.69	1016.12	1015.09	1014.24	1013.68	1013.40	1013.21
9	1016.22	1015.74	1015.37	1014.80	1013.40	1012.27	1011.42	1010.86	1010.48	1010.10
10	1014.71	1014.24	1013.87	1012.08	1010.67	1009.54	1008.61	1007.67	1006.54	1005.78
11	1012.18	1012.83	1011.42	1009.54	1008.04	1006.72	1005.13	1003.62	1002.49	1001.74
12	1007.85	1008.42	1007.57	1007.00	1005.22	1003.24	1001.27	999.77	998.36	997.14
13	1003.52	1003.34	1002.49	1002.21	1002.03	999.68	997.70	995.44	993.66	992.25
14	999.11	998.26	997.52	996.95	996.20	996.20	993.28	990.83	988.86	986.99
15	994.60	993.28	992.25	991.21	990.56	989.90	988.96	986.23	983.70	981.54
16	989.71	988.30	986.99	985.57	984.82	983.51	983.32	981.35	978.33	975.71
17	984.82	983.22	981.44	980.12	978.43	977.30	976.46	976.27	972.51	969.59
18	980.03	978.06	975.90	974.39	972.13	970.63	969.69	968.84	966.59	963.20
19	975.14	972.79	970.53	968.18	965.83	963.86	962.45	961.22	960.29	956.15
20	970.25	967.43	965.18	962.08	959.16	957.28	954.93	953.52	952.48	949.10
21	965.37	962.08	959.44	955.87	952.67	949.94	947.41	945.24	944.12	941.77
22	958.03	956.44	953.52	949.39	946.29	942.62	939.39	936.96	935.47	934.39
23	950.23	948.82	947.03	942.90	939.30	935.15	931.33	928.50	926.70	926.15
24	942.52	941.11	938.50	936.59	932.24	927.31	923.26	919.85	917.70	916.53
25	934.78	932.94	929.99	928.20	924.95	919.55	914.96	911.05	908.37	906.78
26	927.05	924.65	921.47	919.23	916.28	911.83	906.34	902.21	898.78	896.81
27	919.35	916.33	913.06	910.21	906.71	903.81	897.73	893.03	888.98	886.44
28	911.71	908.12	904.76	900.95	897.28	894.00	889.25	883.49	878.90	875.86
29	904.09	899.98	896.42	891.72	887.77	883.61	880.48	873.74	868.56	865.36
30	896.45	891.82	887.68	882.52	877.86	873.54	870.36	863.88	858.26	854.04
31	888.59	883.70	878.97	873.38	867.83	863.30	859.11	853.95	847.61	843.17
32	879.52	875.64	870.06	864.31	857.77	852.95	847.95	843.92	836.84	831.81
33	869.28	866.38	861.12	855.01	847.93	842.07	836.77	832.71	826.06	820.18
34	859.09	855.99	851.64	845.30	838.11	831.32	825.47	820.78	814.80	808.41
35	849.09	845.59	840.76	835.60	828.07	820.68	813.97	808.77	803.63	796.53
36	839.09	834.96	829.90	824.38	817.92	810.02	802.56	796.51	792.15	784.60
37	829.09	824.31	818.99	812.90	807.63	799.23	790.97	784.21	779.35	772.26
38	819.03	813.67	808.07	801.48	795.55	788.02	779.29	771.82	766.43	760.25
39	808.93	803.04	796.85	790.01	783.58	777.08	767.83	759.55	753.24	747.99
40	798.83	792.46	785.65	778.46	771.46	764.91	755.92	746.94	740.32	735.44
41	788.74	781.93	774.58	766.92	759.29	751.87	743.96	734.39	727.13	722.42

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

42	778.26	771.38	763.61	755.24	746.98	739.03	732.43	721.92	713.81	708.29
43	766.66	760.58	752.76	743.62	734.86	726.32	718.70	709.32	700.43	694.03
44	755.08	748.65	741.73	732.07	722.65	713.27	704.89	696.59	686.96	679.92
45	743.55	736.65	729.41	720.55	710.46	700.18	691.47	683.95	673.29	665.81
46	731.82	724.69	717.00	708.44	698.20	687.76	677.94	670.12	659.80	651.34
47	720.15	712.74	704.64	695.48	686.04	675.20	664.42	655.77	646.36	637.05
48	708.52	700.78	692.34	682.75	673.30	661.98	650.78	641.37	632.80	622.79
49	696.92	688.87	680.01	670.17	659.90	648.96	637.26	627.07	619.20	608.50
50	685.39	677.00	667.68	657.55	646.57	636.06	623.87	613.04	604.32	594.14
51	673.89	665.27	655.41	644.82	633.34	622.38	610.45	598.84	589.42	579.67
52	662.19	653.64	643.26	632.23	620.41	608.78	597.11	584.69	574.67	565.35
53	649.85	641.84	631.21	619.62	607.52	595.08	583.20	570.67	559.75	551.09
54	637.51	629.36	619.24	607.01	594.36	581.43	568.99	556.58	544.86	536.53
55	625.14	616.59	606.30	594.48	581.30	567.92	555.01	542.59	530.09	520.88
56	612.78	603.86	593.33	581.56	568.46	554.53	540.97	528.48	515.52	505.05
57	600.44	591.18	580.44	568.35	555.81	541.14	527.05	513.81	500.94	489.63
58	588.14	578.58	567.62	555.22	542.66	527.80	513.23	499.26	486.40	474.46
59	575.88	566.05	554.88	542.13	529.10	514.58	499.52	484.82	471.84	459.23
60	563.70	553.58	542.23	529.12	515.68	501.00	485.90	470.56	456.88	443.93
61	551.58	541.15	529.67	516.19	502.35	487.33	472.44	456.43	441.99	428.79
62	539.58	528.78	517.12	503.37	489.13	473.77	458.65	442.45	427.38	413.83
63	527.66	516.63	504.59	490.62	476.01	460.33	444.56	428.60	412.81	398.98
64	515.76	504.62	492.21	477.99	462.99	447.02	430.73	414.94	398.36	383.81
65	503.82	492.68	479.98	465.49	450.07	433.86	417.08	400.97	384.06	368.66
66	491.83	480.76	467.82	453.21	437.28	420.75	403.58	386.73	369.94	353.73
67	479.90	468.91	455.74	440.98	424.75	407.73	390.26	372.70	355.95	339.00
68	468.00	457.04	443.72	428.79	412.37	394.91	377.05	359.04	341.82	324.51
69	456.13	445.13	431.77	416.67	400.10	382.32	364.01	345.57	327.79	310.24
70	444.30	433.30	419.89	404.65	387.94	369.92	351.22	332.25	313.86	296.27
71	432.51	421.48	408.02	392.72	375.86	357.68	338.69	319.13	300.15	282.24
72	421.37	409.88	396.22	380.85	363.88	345.62	326.36	306.31	286.82	268.19
73	410.34	398.80	384.81	369.05	351.99	333.67	314.17	293.79	273.76	254.39
74	399.34	387.76	373.75	357.72	340.22	321.85	302.13	281.46	260.84	240.76
75	388.35	376.75	362.77	346.72	328.89	310.14	290.27	269.27	248.34	227.52
76	377.39	365.76	351.83	335.78	317.91	298.74	278.58	257.30	236.09	214.72
77	366.46	354.84	340.92	324.90	307.03	287.78	267.02	245.53	224.12	202.46
78	355.54	343.93	330.07	314.07	296.22	276.93	256.04	233.96	212.42	190.58
79	344.66	333.06	319.25	303.29	285.51	266.23	245.23	223.13	200.96	179.02
80	333.78	322.24	308.51	292.58	274.89	255.62	234.60	212.62	189.95	167.70
81	323.41	311.54	297.79	281.94	264.35	245.11	224.17	202.31	179.61	156.70
82	313.78	301.96	287.89	271.59	253.90	234.71	213.89	192.15	169.52	146.37
83	304.16	292.41	278.39	262.17	244.24	224.51	203.79	182.17	159.61	136.48
84	294.56	282.89	268.94	252.81	234.98	215.35	194.27	172.34	149.89	126.87
85	284.97	273.40	259.54	243.51	225.80	206.27	185.37	163.38	140.40	117.54
86	275.42	263.95	250.18	234.26	216.68	197.30	176.58	154.77	132.02	108.74
87	265.86	254.51	240.84	225.07	207.63	188.42	167.89	146.31	123.85	100.98
88	256.34	245.11	231.54	215.93	198.64	179.62	159.32	137.98	115.86	93.44
89	246.81	235.72	222.28	206.83	189.72	170.90	150.84	129.79	108.05	86.10
90	237.31	226.36	213.05	197.77	180.83	162.25	142.46	121.70	100.38	78.94
91	229.37	218.51	205.32	190.19	173.39	155.01	135.42	114.94	93.96	72.96
92	221.46	210.68	197.61	182.63	166.01	147.81	128.46	108.28	87.66	67.11
93	213.56	202.87	189.93	175.12	158.66	140.68	121.58	101.71	81.46	61.39
94	205.67	195.07	182.29	167.63	151.36	133.60	114.76	95.21	75.36	55.77
95	197.78	187.29	174.65	160.17	144.09	126.57	108.00	88.78	69.33	51.22
96	189.92	179.53	167.04	152.75	136.88	119.60	101.30	82.73	64.68	47.10
97	182.06	171.78	159.46	145.35	129.68	112.65	95.40	77.81	60.14	43.02

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

98	174.20	164.05	151.88	137.97	122.97	107.04	90.22	72.94	55.65	38.98
99	166.35	156.32	144.82	131.78	117.29	101.61	85.06	68.10	51.19	35.29
100	159.44	150.04	138.79	125.93	111.65	96.20	79.94	63.30	46.75	32.60
101	153.17	143.88	132.78	120.10	106.03	90.83	74.84	58.53	43.29	29.92
102	146.91	137.74	126.78	114.28	100.42	85.47	69.77	54.06	40.30	27.23
103	140.66	131.60	120.80	108.49	94.83	80.13	64.71	50.78	37.30	24.54
104	134.41	125.47	114.82	102.70	89.24	74.80	60.91	47.50	34.31	22.17
105	128.15	119.35	108.85	96.91	83.67	70.36	57.38	44.23	31.30	20.59
106	121.92	113.24	102.89	91.14	78.77	66.57	53.85	40.96	28.29	19.00
107	115.67	107.11	96.93	85.99	74.78	62.80	50.32	37.68	26.38	17.41
108	109.44	100.99	91.79	81.82	70.80	59.03	46.79	34.39	24.57	15.78
109	103.38	96.08	87.46	77.64	66.82	55.25	43.25	31.97	22.76	14.14
110	98.77	91.59	83.12	73.46	62.85	51.50	39.70	29.96	20.94	12.91
111	94.17	87.11	78.78	69.29	58.86	47.73	37.01	27.93	19.09	12.12
112	89.57	82.63	74.45	65.12	54.88	43.96	34.80	25.89	17.22	11.33
113	84.97	78.16	70.11	60.95	50.90	41.28	32.57	23.84	15.56	10.52
114	80.38	73.69	65.78	56.78	47.12	38.87	30.34	21.77	14.65	9.67
115	75.79	69.22	61.45	52.61	44.54	36.45	28.09	19.69	13.72	8.82
116	71.20	64.75	57.12	49.43	41.96	34.03	25.83	17.90	12.77	7.95
117	66.61	60.28	53.41	46.69	39.37	31.60	23.56	16.85	11.81	6.84
118	62.02	56.36	50.54	43.95	36.77	29.15	21.27	15.78	10.82	5.14
119	58.20	53.35	47.64	41.21	34.17	26.71	19.71	14.69	9.82	3.48
120	55.10	50.34	44.75	38.45	31.56	24.24	18.51	13.60	8.80	1.82
121	51.98	47.33	41.85	35.69	28.95	22.14	17.31	12.48	7.63	0.19
122	48.86	44.32	38.96	32.92	26.32	20.82	16.09	11.35	5.93	0.00
123	45.75	41.31	36.06	30.14	24.00	19.48	14.85	10.21	4.23	0.00
124	42.63	38.29	33.16	27.37	22.55	18.13	13.60	9.05	2.56	0.00
125	39.51	35.28	30.25	25.20	21.09	16.78	12.34	7.50	0.88	0.00
126	36.39	32.26	27.34	23.64	19.64	15.41	11.07	5.76	0.00	0.00
127	33.27	29.22	25.68	22.08	18.17	14.05	9.78	4.01	0.00	0.00
128	30.14	27.15	24.03	20.51	16.69	12.66	8.21	2.29	0.00	0.00
129	28.00	25.41	22.37	18.93	15.22	11.26	6.39	0.56	0.00	0.00
130	26.19	23.66	20.71	17.36	13.72	9.85	4.59	0.00	0.00	0.00
131	24.39	21.92	19.03	15.77	12.22	8.03	2.79	0.00	0.00	0.00
132	22.56	20.17	17.36	14.18	10.71	6.16	0.99	0.00	0.00	0.00
133	20.75	18.42	15.67	12.58	8.92	4.28	0.00	0.00	0.00	0.00
134	18.92	16.66	13.99	10.97	6.97	2.40	0.00	0.00	0.00	0.00
135	17.11	14.90	12.30	9.07	5.03	0.53	0.00	0.00	0.00	0.00
136	15.29	13.13	10.57	7.05	3.06	0.00	0.00	0.00	0.00	0.00
137	13.45	11.37	8.47	5.03	1.11	0.00	0.00	0.00	0.00	0.00
138	11.63	9.30	6.37	2.99	0.00	0.00	0.00	0.00	0.00	0.00
139	9.52	7.14	4.28	0.96	0.00	0.00	0.00	0.00	0.00	0.00
140	7.31	4.99	2.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	5.10	2.83	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	2.89	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.68	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**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**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	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72
1	1028.53	1028.62	1028.72	1028.81	1028.91	1028.72	1028.62	1028.43	1028.24	1028.06
2	1027.03	1027.12	1027.31	1027.40	1027.59	1027.31	1027.03	1026.75	1026.46	1026.27
3	1025.43	1025.71	1025.90	1026.18	1026.46	1025.99	1025.62	1025.14	1024.78	1024.40
4	1023.83	1024.11	1024.49	1024.78	1025.14	1024.59	1023.92	1023.36	1022.89	1022.52
5	1021.86	1022.05	1022.33	1022.70	1023.17	1022.42	1021.67	1021.11	1020.54	1020.17
6	1019.04	1019.13	1019.32	1019.69	1020.25	1019.32	1018.57	1018.00	1017.53	1017.15
7	1016.12	1016.31	1016.60	1017.06	1017.72	1016.69	1015.74	1014.99	1014.34	1013.96
8	1013.31	1013.49	1013.87	1014.53	1015.28	1014.06	1012.93	1012.08	1011.33	1010.77
9	1009.64	1009.54	1009.73	1010.20	1010.96	1009.64	1008.61	1007.94	1007.57	1007.48
10	1005.41	1005.22	1005.41	1005.97	1006.72	1005.32	1004.19	1003.43	1002.97	1002.87
11	1001.08	1000.90	1001.17	1001.74	1002.78	1001.17	999.86	999.01	998.45	998.36
12	996.38	995.91	995.91	996.29	997.23	995.63	994.41	993.85	993.66	993.85
13	991.12	990.46	990.37	990.83	991.78	989.99	988.77	988.11	988.02	988.48
14	985.67	984.73	984.45	984.73	985.67	983.88	982.66	982.19	982.28	982.84
15	979.84	978.81	978.62	979.19	980.41	978.33	976.93	976.17	976.27	977.02
16	973.91	972.60	972.13	972.42	973.55	971.37	970.16	969.78	970.34	971.10
17	967.43	965.73	964.99	965.18	966.40	964.24	963.11	962.73	963.30	964.80
18	960.29	958.50	957.84	958.12	959.54	957.09	955.77	955.58	956.44	957.93
19	953.23	951.17	950.04	950.04	951.36	949.01	947.97	947.97	949.01	951.17
20	945.62	943.27	942.05	941.95	943.27	940.83	939.66	939.88	941.30	943.65
21	938.00	935.24	933.63	933.38	934.54	932.18	931.21	931.54	933.15	936.14
22	930.03	926.85	925.16	925.09	926.54	923.77	922.58	923.10	925.02	928.02
23	921.67	918.20	916.09	915.55	916.71	914.18	913.37	914.11	916.40	919.75
24	913.04	909.09	906.73	906.21	907.51	904.84	903.97	904.89	907.42	909.73

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

25	904.20	899.78	896.82	895.83	896.92	894.50	894.09	895.56	898.47	899.65
26	894.91	889.79	886.90	886.02	887.21	884.37	883.81	885.64	889.21	889.59
27	885.38	880.27	876.73	875.70	877.07	874.23	873.61	875.11	879.45	879.24
28	875.00	869.66	866.28	865.15	866.40	863.47	863.08	865.21	868.20	868.43
29	863.43	859.60	855.71	854.41	855.74	852.75	852.30	854.39	857.30	857.11
30	852.53	849.00	844.59	842.98	844.30	841.24	841.13	843.86	845.52	846.23
31	840.91	837.77	833.10	831.29	832.46	829.57	829.59	832.39	834.10	834.72
32	828.85	826.60	821.54	819.59	820.82	817.80	818.01	821.32	821.77	823.32
33	816.83	815.22	809.72	807.61	808.96	805.93	806.21	809.75	809.87	811.52
34	804.67	803.38	797.47	795.08	796.34	793.40	794.11	798.16	797.53	799.66
35	792.12	790.59	785.06	782.72	784.19	781.19	781.82	785.45	785.06	787.72
36	779.45	777.54	772.64	769.81	770.87	768.17	769.50	772.60	772.39	775.58
37	766.78	764.50	760.11	757.08	758.15	755.10	756.49	759.51	759.63	763.22
38	753.99	751.44	747.40	743.96	745.14	741.98	743.30	745.76	746.74	750.95
39	741.04	737.94	734.08	730.31	731.24	728.45	730.20	731.89	733.52	738.32
40	727.94	724.01	720.67	716.67	717.53	714.79	716.95	718.24	719.90	725.72
41	714.37	710.14	707.33	702.90	703.42	700.84	703.43	704.45	706.62	712.50
42	700.88	696.27	693.80	688.80	689.69	686.97	689.69	690.35	693.21	698.29
43	687.46	682.13	679.61	674.86	675.23	672.63	675.82	676.12	679.44	684.34
44	673.63	667.65	666.30	660.68	661.38	658.49	661.62	661.79	665.67	670.17
45	659.91	653.63	651.85	646.11	646.54	643.99	647.50	647.39	651.84	655.70
46	646.12	638.95	637.22	631.59	631.85	629.49	632.96	632.72	638.12	641.38
47	631.91	624.30	622.38	616.80	616.71	614.62	618.14	618.07	623.99	627.04
48	616.88	609.58	607.21	601.85	602.15	599.79	602.82	603.33	608.67	612.69
49	601.68	594.95	591.47	586.74	586.74	584.85	587.34	588.59	593.37	598.31
50	586.42	579.99	576.03	571.72	571.78	569.86	572.23	573.50	578.02	583.99
51	571.45	564.89	560.64	556.50	556.12	554.47	556.73	558.66	563.00	569.36
52	556.25	549.90	545.12	541.24	540.43	538.97	540.91	543.71	547.52	554.80
53	540.79	534.88	529.60	525.78	525.38	523.49	525.22	528.51	532.33	540.39
54	525.58	519.72	513.63	509.91	508.98	507.59	509.36	513.38	517.14	525.77
55	510.52	504.16	497.57	494.02	493.12	491.82	493.14	498.03	501.89	510.00
56	495.34	488.12	481.54	478.32	477.24	476.08	477.17	481.97	486.61	494.44
57	480.24	471.97	465.56	462.47	460.65	460.15	461.22	465.44	471.40	478.96
58	464.95	456.02	449.59	446.38	444.60	444.10	445.15	449.39	456.34	463.54
59	449.88	439.90	433.39	430.36	428.40	428.05	429.09	433.44	441.14	448.22
60	434.23	423.98	417.30	414.26	411.71	411.92	412.98	417.30	425.37	432.97
61	418.25	407.96	401.21	398.01	395.49	395.61	396.90	401.37	409.35	417.88
62	402.28	392.12	384.98	381.75	379.08	379.37	380.69	385.49	393.52	402.91
63	386.45	376.49	368.88	365.50	362.06	363.25	364.40	369.67	377.51	388.07
64	370.63	360.91	352.89	348.97	345.41	346.81	348.50	353.95	361.79	372.88
65	355.06	345.07	336.38	331.98	328.49	329.77	332.03	338.28	346.16	357.79
66	339.73	329.37	319.84	315.14	311.99	312.76	315.13	322.76	330.63	343.00
67	324.36	313.17	303.22	298.30	295.05	295.85	298.77	306.33	315.48	328.40
68	309.27	296.98	286.61	281.40	278.07	279.03	282.14	290.14	300.37	314.01
69	294.00	281.01	269.92	264.43	261.72	262.06	265.61	274.11	285.10	299.84
70	278.88	265.26	253.74	247.39	245.01	244.99	249.34	258.27	270.12	285.91
71	264.18	249.54	237.96	230.60	228.00	228.21	233.43	242.71	255.41	271.99
72	249.70	234.25	222.29	214.19	211.59	211.86	217.68	227.42	240.98	257.79
73	235.58	219.51	206.89	197.96	194.85	195.73	202.18	212.57	226.91	243.95
74	221.81	204.60	191.25	181.90	178.53	179.63	186.55	197.72	213.15	230.50
75	208.01	190.10	175.82	166.17	162.36	163.73	171.15	183.25	199.52	217.45
76	194.60	176.06	160.80	150.75	146.52	148.18	156.03	169.35	186.28	204.74
77	181.62	162.47	146.23	135.60	130.77	132.77	141.40	155.87	173.45	192.56
78	169.09	149.35	132.05	119.96	115.03	117.44	127.18	142.77	161.03	180.88
79	157.01	136.48	118.34	105.62	100.26	103.03	113.47	129.97	149.00	169.47
80	145.49	124.16	105.58	92.01	85.84	89.32	100.65	117.68	137.52	158.31

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

81	134.39	112.39	93.54	79.10	72.13	76.36	88.64	105.99	126.51	147.43
82	123.72	101.45	82.11	66.67	59.17	63.83	77.27	95.10	115.95	137.30
83	113.50	91.36	71.20	54.94	46.83	51.96	66.38	85.08	105.87	127.59
84	104.07	81.83	61.19	44.36	34.86	41.21	56.33	75.63	96.59	118.14
85	95.01	72.98	52.43	35.19	24.32	31.88	47.58	66.88	87.68	108.95
86	86.31	64.75	44.69	27.42	15.43	23.90	39.83	58.79	79.11	100.32
87	78.40	56.97	37.71	20.70	8.63	16.95	32.90	51.13	71.36	92.74
88	71.36	50.25	31.40	16.00	4.32	12.02	26.66	44.55	64.50	85.39
89	64.59	44.32	26.39	12.36	2.75	8.24	21.73	38.74	57.90	78.23
90	58.06	38.70	22.05	10.00	2.73	5.85	17.48	33.22	51.51	71.24
91	52.68	34.11	18.63	8.35	0.00	4.29	14.15	28.79	46.30	65.45
92	47.47	29.70	15.59	7.22	0.00	3.41	11.24	24.52	41.25	59.80
93	42.39	25.88	13.35	6.30	0.00	2.84	9.21	20.88	36.31	54.26
94	38.10	22.87	11.42	5.64	0.00	2.54	7.50	18.08	32.23	48.81
95	34.47	19.89	9.96	5.19	0.00	2.44	6.28	15.34	28.85	44.50
96	30.88	17.57	8.66	4.52	0.00	2.21	5.22	13.23	25.50	40.63
97	27.32	15.63	7.82	0.36	0.00	0.18	4.65	11.54	22.17	36.81
98	24.86	13.69	6.96	0.00	0.00	0.00	4.02	9.81	19.95	33.01
99	22.52	12.17	6.42	0.00	0.00	0.00	3.70	8.53	17.85	29.57
100	20.18	11.09	6.01	0.00	0.00	0.00	3.47	7.69	15.74	27.12
101	17.83	9.98	5.58	0.00	0.00	0.00	3.21	6.82	13.62	24.69
102	16.34	8.84	4.49	0.00	0.00	0.00	2.58	5.91	12.37	22.25
103	15.00	8.17	2.08	0.00	0.00	0.00	1.21	5.41	11.29	19.80
104	13.64	7.65	0.00	0.00	0.00	0.00	0.00	5.05	10.17	17.66
105	12.24	7.12	0.00	0.00	0.00	0.00	0.00	4.66	9.02	16.35
106	10.82	6.55	0.00	0.00	0.00	0.00	0.00	4.25	7.84	15.01
107	10.17	5.97	0.00	0.00	0.00	0.00	0.00	3.83	7.36	13.66
108	9.53	4.21	0.00	0.00	0.00	0.00	0.00	2.72	6.86	12.29
109	8.85	2.33	0.00	0.00	0.00	0.00	0.00	1.52	6.34	10.89
110	8.16	0.51	0.00	0.00	0.00	0.00	0.00	0.34	5.81	9.86
111	7.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.25	9.26
112	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.67	8.61
113	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.58	7.97
114	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.40	7.32
115	1.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	6.64
116	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	5.94
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.09
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.86
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.62
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.38
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
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**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**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	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72	1028.72
1	1027.97	1027.78	1027.59	1027.50	1027.40	1027.21	1027.12	1027.03	1026.94	1026.94
2	1026.08	1025.90	1025.81	1025.71	1025.62	1025.52	1025.52	1025.33	1025.14	1025.05
3	1024.11	1023.92	1023.73	1023.55	1023.46	1023.36	1023.27	1023.27	1023.36	1023.17
4	1022.14	1021.86	1021.57	1021.39	1021.30	1021.20	1021.20	1021.20	1021.20	1021.30
5	1019.79	1019.51	1019.32	1019.13	1019.04	1018.95	1018.95	1019.04	1019.13	1019.13
6	1017.06	1016.87	1016.69	1016.69	1016.69	1016.69	1016.79	1016.87	1017.06	1017.15
7	1013.68	1013.68	1013.77	1014.06	1014.06	1014.24	1014.43	1014.61	1014.90	1015.09

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

8	1010.48	1010.39	1010.58	1010.86	1011.42	1011.70	1011.99	1012.36	1012.74	1013.12
9	1007.38	1007.19	1007.19	1007.67	1008.32	1009.07	1009.54	1010.02	1010.48	1011.05
10	1003.16	1003.81	1004.19	1004.37	1005.13	1006.07	1007.10	1007.57	1008.23	1008.89
11	998.55	999.20	1000.33	1001.36	1001.84	1002.97	1004.28	1005.22	1004.84	1004.94
12	994.12	994.79	995.91	997.52	998.92	999.77	1000.14	1000.05	999.77	999.95
13	989.34	990.37	991.59	993.18	995.25	994.69	994.41	994.60	994.60	994.88
14	983.97	985.48	987.27	989.05	988.77	989.34	988.77	989.15	989.43	989.80
15	978.33	980.22	982.47	982.66	982.47	982.94	983.32	983.60	984.07	984.63
16	972.69	974.77	976.08	976.08	976.17	976.55	977.87	978.06	978.71	979.46
17	966.86	969.40	968.94	969.12	969.78	970.44	971.66	972.51	973.45	974.20
18	960.38	961.98	961.70	962.08	963.11	964.14	965.46	967.05	968.09	968.94
19	953.80	953.90	954.28	954.93	956.25	957.84	959.35	961.51	962.64	963.67
20	946.19	945.62	946.47	947.78	949.29	951.26	953.23	955.49	957.19	958.41
21	937.28	937.59	938.08	940.17	942.24	944.59	947.03	949.48	951.83	952.29
22	928.48	928.82	930.13	932.25	935.10	937.85	940.83	943.18	944.12	944.49
23	919.11	920.06	921.86	923.96	927.74	931.14	934.00	934.76	936.06	936.68
24	909.87	911.05	913.35	916.20	920.16	924.08	925.13	926.32	927.95	928.84
25	900.15	901.87	904.66	908.20	912.00	914.77	916.27	917.81	919.56	920.87
26	890.17	892.53	895.84	900.03	903.02	905.42	907.29	909.26	911.22	912.92
27	880.22	882.90	886.84	891.54	893.45	896.00	898.25	900.71	902.90	904.99
28	870.15	873.10	877.54	881.57	883.59	886.06	889.14	892.11	894.58	897.06
29	859.59	863.26	868.42	871.10	873.61	876.31	880.07	883.58	886.26	889.02
30	848.74	853.31	858.05	860.27	863.39	866.89	871.05	874.87	877.96	880.96
31	837.91	842.92	846.68	849.58	853.13	857.38	862.10	865.93	869.60	872.63
32	826.93	832.60	835.52	838.84	842.79	847.69	852.69	856.96	860.32	862.51
33	815.72	821.15	823.84	827.67	832.58	837.93	843.25	847.14	849.90	852.37
34	804.53	808.88	812.24	816.68	822.46	828.06	833.34	836.40	839.51	842.22
35	793.05	796.55	800.75	805.96	811.93	818.11	822.16	825.72	829.13	832.09
36	781.50	784.29	788.88	794.75	801.30	806.50	810.95	815.02	818.71	822.00
37	768.55	771.83	776.94	783.57	790.56	794.77	799.61	804.29	808.27	811.93
38	755.43	759.20	765.01	772.57	778.32	783.29	788.31	793.49	797.71	801.73
39	742.10	746.55	753.41	761.33	766.30	771.62	777.02	782.48	787.15	791.49
40	729.09	733.93	741.39	748.64	753.90	759.69	765.83	771.54	776.64	781.24
41	715.61	721.22	729.18	735.40	741.41	747.79	754.56	760.65	766.19	770.97
42	702.15	708.58	716.90	722.40	729.00	735.81	743.02	749.75	755.47	759.38
43	688.66	696.18	703.23	709.68	716.61	723.92	731.52	738.62	743.80	747.89
44	674.76	683.16	689.59	696.52	704.11	712.25	720.20	726.54	732.14	736.44
45	661.53	670.25	675.94	683.27	691.70	700.64	707.88	714.42	720.51	725.01
46	648.08	656.21	662.38	670.28	679.19	688.43	695.44	702.33	708.75	713.61
47	634.42	641.52	648.83	657.38	666.78	675.54	683.09	690.27	697.00	702.23
48	620.62	627.36	635.13	644.35	654.17	662.63	670.82	678.37	685.27	690.78
49	607.04	613.30	621.62	631.36	640.98	649.69	658.49	666.50	673.59	679.26
50	592.22	599.01	608.24	618.29	627.52	636.83	646.07	654.67	661.91	667.76
51	577.17	584.76	594.47	604.45	614.18	624.11	633.70	642.74	650.26	656.25
52	562.05	570.57	580.82	590.70	601.12	611.48	621.45	630.78	638.47	644.09
53	547.39	556.32	567.10	577.16	588.19	598.87	609.31	618.73	626.18	631.97
54	532.54	542.19	552.94	563.73	575.12	586.33	597.21	606.17	613.88	619.90
55	517.66	528.13	538.88	550.29	562.10	573.91	584.44	593.46	601.55	607.85
56	502.88	513.76	524.99	536.89	549.14	561.05	571.66	580.85	589.27	595.81
57	488.27	499.28	511.21	523.53	536.23	547.95	558.93	568.33	577.02	583.78
58	473.75	484.95	497.21	510.36	522.98	534.90	546.21	555.92	564.83	571.76
59	459.24	470.57	483.33	497.17	509.67	521.92	533.46	543.62	552.65	559.76
60	444.28	456.30	469.65	483.54	496.45	509.05	520.85	531.34	540.43	547.75
61	429.36	442.05	456.14	469.96	483.30	496.31	508.35	519.07	528.24	535.78
62	414.61	428.05	442.87	456.58	470.23	483.65	495.85	506.82	516.22	524.02
63	400.10	414.32	429.24	443.31	457.27	471.05	483.37	494.78	504.37	512.30

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

64	385.79	400.67	415.32	430.02	444.31	458.50	471.11	482.89	492.57	500.60
65	371.61	386.80	401.63	416.84	431.44	445.96	459.09	471.03	480.80	488.92
66	357.58	372.85	388.22	403.77	418.69	433.72	447.16	459.20	469.08	477.27
67	343.71	359.09	374.99	390.84	406.44	421.64	435.29	447.40	457.40	465.64
68	329.62	345.41	361.84	378.16	394.35	409.69	423.48	435.65	445.73	454.03
69	315.62	331.93	348.81	365.91	382.34	397.82	411.71	423.91	434.10	442.43
70	301.87	318.71	336.09	353.77	370.35	386.03	400.00	412.25	422.49	430.84
71	288.38	305.72	323.80	341.77	358.43	374.31	388.29	400.65	410.92	419.57
72	275.04	292.93	311.62	329.77	346.60	362.64	376.65	389.29	400.07	408.83
73	261.90	280.47	299.49	317.86	334.87	350.97	365.41	378.52	389.32	398.12
74	249.08	268.25	287.42	306.10	323.26	339.77	354.59	367.78	378.59	387.41
75	236.81	256.34	275.49	294.50	312.16	328.95	343.85	357.06	367.89	376.72
76	224.78	244.59	263.72	283.39	301.45	318.20	333.17	346.37	357.22	366.03
77	212.97	233.02	252.35	272.73	290.82	307.55	322.53	335.73	346.57	355.36
78	201.41	221.58	241.80	262.18	280.29	296.98	311.96	325.11	335.96	344.69
79	190.09	210.96	231.40	251.75	269.82	286.47	301.42	314.53	325.36	334.04
80	179.21	200.67	221.15	241.34	259.39	276.03	290.92	304.00	314.78	323.40
81	169.00	190.56	211.07	231.02	249.04	265.66	280.47	293.60	304.72	313.59
82	158.96	180.64	201.13	220.80	238.77	255.59	270.87	284.32	295.40	304.21
83	149.18	170.87	191.30	210.79	229.33	246.44	261.67	275.05	286.09	294.85
84	139.59	161.26	182.01	201.84	220.32	237.34	252.51	265.82	276.80	285.49
85	130.24	152.50	173.34	193.00	211.39	228.30	243.38	256.59	267.51	276.14
86	122.17	144.09	164.75	184.28	202.53	219.31	234.30	247.40	258.24	266.80
87	114.26	135.80	156.28	175.62	193.73	210.36	225.25	238.23	248.99	257.48
88	106.53	127.64	147.89	167.05	185.00	201.46	216.24	229.08	239.74	248.16
89	98.93	119.61	139.60	158.57	176.33	192.60	207.25	219.95	230.51	238.84
90	91.48	111.67	131.39	150.14	167.71	183.76	198.29	210.84	221.30	229.53
91	85.25	105.12	124.57	143.11	160.51	176.42	190.82	203.26	213.64	221.83
92	79.14	98.66	117.82	136.14	153.36	169.10	183.38	195.71	206.00	214.12
93	73.13	92.28	111.14	129.23	146.25	161.83	175.96	188.15	198.37	206.43
94	67.20	85.98	104.54	122.35	139.19	154.58	168.57	180.64	190.74	198.73
95	61.35	79.75	97.98	115.54	132.15	147.36	161.19	173.13	183.13	191.05
96	56.99	73.91	91.47	108.76	125.16	140.17	153.83	165.62	175.53	183.38
97	52.74	69.28	85.82	102.03	118.18	133.01	146.49	158.14	167.93	175.69
98	48.52	64.70	80.91	96.71	111.72	125.86	139.17	150.67	160.34	168.02
99	44.34	60.15	76.04	91.57	106.35	119.96	132.35	143.22	152.77	160.35
100	40.17	55.62	71.20	86.47	101.00	114.41	126.63	137.23	146.14	153.22
101	36.97	51.12	66.40	81.38	95.67	108.89	120.91	131.40	140.19	147.18
102	34.23	46.93	61.60	76.31	90.37	103.37	115.21	125.57	134.24	141.12
103	31.50	43.92	56.82	71.26	85.06	97.87	109.52	119.74	128.30	135.07
104	28.76	40.91	53.31	66.22	79.78	92.38	103.84	113.91	122.35	129.04
105	26.02	37.91	50.06	62.06	74.50	86.89	98.18	108.09	116.42	123.00
106	23.27	34.90	46.81	58.58	69.90	81.41	92.52	102.27	110.49	116.96
107	21.61	31.90	43.57	55.11	66.21	76.59	86.86	96.45	104.55	110.92
108	20.07	28.90	40.33	51.63	62.53	72.73	82.03	90.64	98.62	104.91
109	18.53	26.74	37.06	48.16	58.85	68.86	78.01	86.07	92.88	98.87
110	16.96	25.00	33.80	44.69	55.17	65.01	74.00	81.92	88.61	93.89
111	15.38	23.26	31.39	41.21	51.50	61.15	69.99	77.78	84.35	89.55
112	13.78	21.49	29.46	37.73	47.82	57.31	65.98	73.63	80.09	85.20
113	12.37	19.72	27.52	35.34	44.14	53.45	61.97	69.48	75.82	80.85
114	11.64	17.92	25.58	33.23	40.66	49.59	57.96	65.34	71.56	76.50
115	10.89	16.13	23.62	31.12	38.38	45.74	53.96	61.19	67.30	72.16
116	10.13	14.58	21.66	28.99	36.10	42.87	49.94	57.04	63.05	67.80
117	9.34	13.72	19.68	26.85	33.82	40.45	46.56	52.89	58.78	63.46
118	8.53	12.84	17.67	24.72	31.53	38.03	43.99	49.31	54.52	59.11
119	7.72	11.94	16.34	22.56	29.23	35.60	41.44	46.63	51.04	54.77

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

120	6.88	11.04	15.35	20.40	26.94	33.16	38.88	43.95	48.27	51.70
121	5.93	10.12	14.33	18.57	24.63	30.72	36.32	41.28	45.50	48.85
122	4.63	9.19	13.31	17.46	22.32	28.27	33.75	38.60	42.71	46.00
123	3.32	8.24	12.28	16.33	20.29	25.81	31.18	35.91	39.94	43.15
124	2.01	7.28	11.24	15.20	19.07	23.35	28.60	33.23	37.15	40.30
125	0.69	6.03	10.19	14.05	17.84	21.45	26.01	30.54	34.38	37.45
126	0.00	4.64	9.12	12.90	16.61	20.13	23.42	27.85	31.59	34.60
127	0.00	3.25	8.03	11.74	15.36	18.80	22.01	25.15	28.82	31.74
128	0.00	1.85	6.73	10.57	14.12	17.47	20.59	23.35	26.03	28.89
129	0.00	0.46	5.26	9.39	12.85	16.13	19.17	21.87	24.16	26.03
130	0.00	0.00	3.78	8.20	11.58	14.78	17.74	20.37	22.60	24.40
131	0.00	0.00	2.30	6.69	10.30	13.43	16.32	18.86	21.04	22.78
132	0.00	0.00	0.82	5.13	9.01	12.07	14.88	17.37	19.48	21.16
133	0.00	0.00	0.00	3.57	7.51	10.71	13.44	15.85	17.91	19.56
134	0.00	0.00	0.00	2.01	5.88	9.33	11.99	14.34	16.35	17.94
135	0.00	0.00	0.00	0.45	4.23	7.71	10.55	12.84	14.78	16.33
136	0.00	0.00	0.00	0.00	2.59	6.00	9.06	11.32	13.21	14.71
137	0.00	0.00	0.00	0.00	0.94	4.27	7.28	9.79	11.64	13.09
138	0.00	0.00	0.00	0.00	0.00	2.56	5.48	8.01	10.06	11.48
139	0.00	0.00	0.00	0.00	0.00	0.82	3.68	6.16	8.23	9.86
140	0.00	0.00	0.00	0.00	0.00	0.00	1.88	4.30	6.32	7.92
141	0.00	0.00	0.00	0.00	0.00	0.00	0.08	2.44	4.41	5.97
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	2.50	4.02
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	2.07
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
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-24-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**

	<b>350</b>	<b>355</b>	<b>360</b>
0	1028.72	1028.72	1028.72
1	1026.84	1026.84	1026.75
2	1024.95	1024.86	1024.86
3	1023.08	1022.98	1022.98
4	1021.20	1021.11	1021.01
5	1019.22	1019.13	1019.13
6	1017.25	1017.15	1017.15
7	1015.18	1015.18	1015.28
8	1013.21	1013.31	1013.40
9	1011.23	1011.33	1011.42
10	1009.35	1009.26	1009.54
11	1004.94	1004.56	1004.65
12	1000.05	999.68	999.77
13	995.07	994.88	994.88
14	990.18	989.99	989.99
15	985.19	985.10	985.10
16	980.31	980.22	980.22
17	975.52	975.42	975.33
18	970.53	970.53	970.44
19	965.46	965.65	965.56
20	960.38	960.76	960.66
21	953.33	953.33	953.05
22	945.43	945.62	945.43
23	937.54	937.99	937.86
24	929.67	930.32	930.28
25	921.83	922.66	922.68
26	914.02	914.99	915.09
27	906.24	907.34	907.50
28	898.48	899.69	899.91
29	890.74	892.03	892.32
30	883.04	884.39	884.73
31	873.93	874.84	874.95
32	863.98	865.09	865.19
33	854.03	855.32	855.42
34	844.04	845.53	845.65
35	834.05	835.74	835.87
36	824.05	825.93	826.10
37	814.05	816.11	816.33
38	804.12	806.24	806.55
39	794.22	796.35	796.79
40	784.34	786.48	787.01
41	773.72	775.39	775.86
42	762.50	764.16	764.70
43	751.30	752.94	753.56
44	740.10	741.72	742.40
45	728.83	730.50	731.25
46	717.48	719.29	720.10

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>47</b>	706.14	708.09	708.93
<b>48</b>	694.81	696.90	697.79
<b>49</b>	683.47	685.71	686.63
<b>50</b>	672.16	674.53	675.48
<b>51</b>	660.45	662.75	663.65
<b>52</b>	648.46	650.92	651.84
<b>53</b>	636.47	639.09	640.01
<b>54</b>	624.50	627.25	628.19
<b>55</b>	612.54	615.41	616.37
<b>56</b>	600.60	603.57	604.54
<b>57</b>	588.66	591.73	592.72
<b>58</b>	576.76	579.92	580.89
<b>59</b>	564.85	568.08	569.07
<b>60</b>	552.98	556.26	557.25
<b>61</b>	541.25	544.65	545.67
<b>62</b>	529.62	533.05	534.10
<b>63</b>	517.99	521.46	522.51
<b>64</b>	506.38	509.87	510.94
<b>65</b>	494.75	498.29	499.37
<b>66</b>	483.11	486.69	487.79
<b>67</b>	471.49	475.10	476.20
<b>68</b>	459.87	463.50	464.63
<b>69</b>	448.28	451.90	453.05
<b>70</b>	436.68	440.32	441.48
<b>71</b>	425.72	429.55	430.79
<b>72</b>	415.02	418.86	420.10
<b>73</b>	404.32	408.17	409.43
<b>74</b>	393.63	397.48	398.74
<b>75</b>	382.94	386.81	388.07
<b>76</b>	372.26	376.12	377.38
<b>77</b>	361.57	365.45	366.69
<b>78</b>	350.88	354.77	356.02
<b>79</b>	340.21	344.10	345.33
<b>80</b>	329.54	333.43	334.66
<b>81</b>	319.96	323.95	325.21
<b>82</b>	310.55	314.52	315.76
<b>83</b>	301.16	305.08	306.32
<b>84</b>	291.77	295.64	296.87
<b>85</b>	282.39	286.21	287.42
<b>86</b>	273.01	276.78	277.97
<b>87</b>	263.64	267.35	268.53
<b>88</b>	254.26	257.91	259.08
<b>89</b>	244.90	248.48	249.63
<b>90</b>	235.53	239.06	240.19
<b>91</b>	227.78	231.28	232.41
<b>92</b>	220.02	223.50	224.61
<b>93</b>	212.26	215.72	216.83
<b>94</b>	204.52	207.96	209.05
<b>95</b>	196.78	200.19	201.27
<b>96</b>	189.03	192.42	193.49
<b>97</b>	181.29	184.65	185.71
<b>98</b>	173.54	176.86	177.92
<b>99</b>	165.80	169.09	170.13
<b>100</b>	158.31	161.39	162.35
<b>101</b>	152.20	155.23	156.20
<b>102</b>	146.09	149.10	150.04

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>103</b>	139.98	142.95	143.88
<b>104</b>	133.88	136.81	137.73
<b>105</b>	127.78	130.67	131.57
<b>106</b>	121.67	124.52	125.43
<b>107</b>	115.57	118.37	119.26
<b>108</b>	109.46	112.23	113.11
<b>109</b>	103.36	106.09	106.95
<b>110</b>	97.74	100.06	100.79
<b>111</b>	93.33	95.62	96.34
<b>112</b>	88.92	91.17	91.87
<b>113</b>	84.51	86.72	87.42
<b>114</b>	80.10	82.27	82.96
<b>115</b>	75.68	77.82	78.50
<b>116</b>	71.27	73.36	74.04
<b>117</b>	66.86	68.91	69.58
<b>118</b>	62.45	64.46	65.12
<b>119</b>	58.04	60.01	60.66
<b>120</b>	54.19	55.71	56.20
<b>121</b>	51.29	52.78	53.25
<b>122</b>	48.38	49.84	50.31
<b>123</b>	45.48	46.90	47.36
<b>124</b>	42.58	43.96	44.42
<b>125</b>	39.67	41.03	41.48
<b>126</b>	36.77	38.09	38.53
<b>127</b>	33.86	35.16	35.59
<b>128</b>	30.96	32.22	32.64
<b>129</b>	28.05	29.28	29.70
<b>130</b>	25.69	26.49	26.75
<b>131</b>	24.05	24.81	25.07
<b>132</b>	22.40	23.15	23.39
<b>133</b>	20.76	21.48	21.72
<b>134</b>	19.11	19.82	20.04
<b>135</b>	17.47	18.14	18.37
<b>136</b>	15.82	16.48	16.69
<b>137</b>	14.18	14.81	15.01
<b>138</b>	12.53	13.13	13.33
<b>139</b>	10.87	11.47	11.66
<b>140</b>	9.09	9.76	9.98
<b>141</b>	7.11	7.77	7.99
<b>142</b>	5.12	5.78	5.99
<b>143</b>	3.14	3.79	3.99
<b>144</b>	1.16	1.78	1.99
<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-24-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-24-H-40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	374.85	N.A.	10.60
0-30	795.83	N.A.	22.60
0-40	1305.03	N.A.	37.00
0-60	2340.44	N.A.	66.40
0-80	3067.86	N.A.	87.00
0-90	3269.81	N.A.	92.80
10-90	3172.77	N.A.	90.00
20-40	930.18	N.A.	26.40
20-50	1465.06	N.A.	41.60
40-70	1453.71	N.A.	41.20
60-80	727.41	N.A.	20.60
70-80	309.11	N.A.	8.80
80-90	201.95	N.A.	5.70
90-110	195.07	N.A.	5.50
90-120	232.22	N.A.	6.60
90-130	248.70	N.A.	7.10
90-150	254.44	N.A.	7.20
90-180	254.44	N.A.	7.20
110-180	59.36	N.A.	1.70
0-180	3524.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	97.05
10-20	277.81
20-30	420.98
30-40	509.20
40-50	534.88
50-60	500.53
60-70	418.30
70-80	309.11
80-90	201.95
90-100	123.68
100-110	71.39
110-120	37.15
120-130	16.48
130-140	5.37
140-150	0.37
150-160	0.00
160-170	0.00
170-180	0.00

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

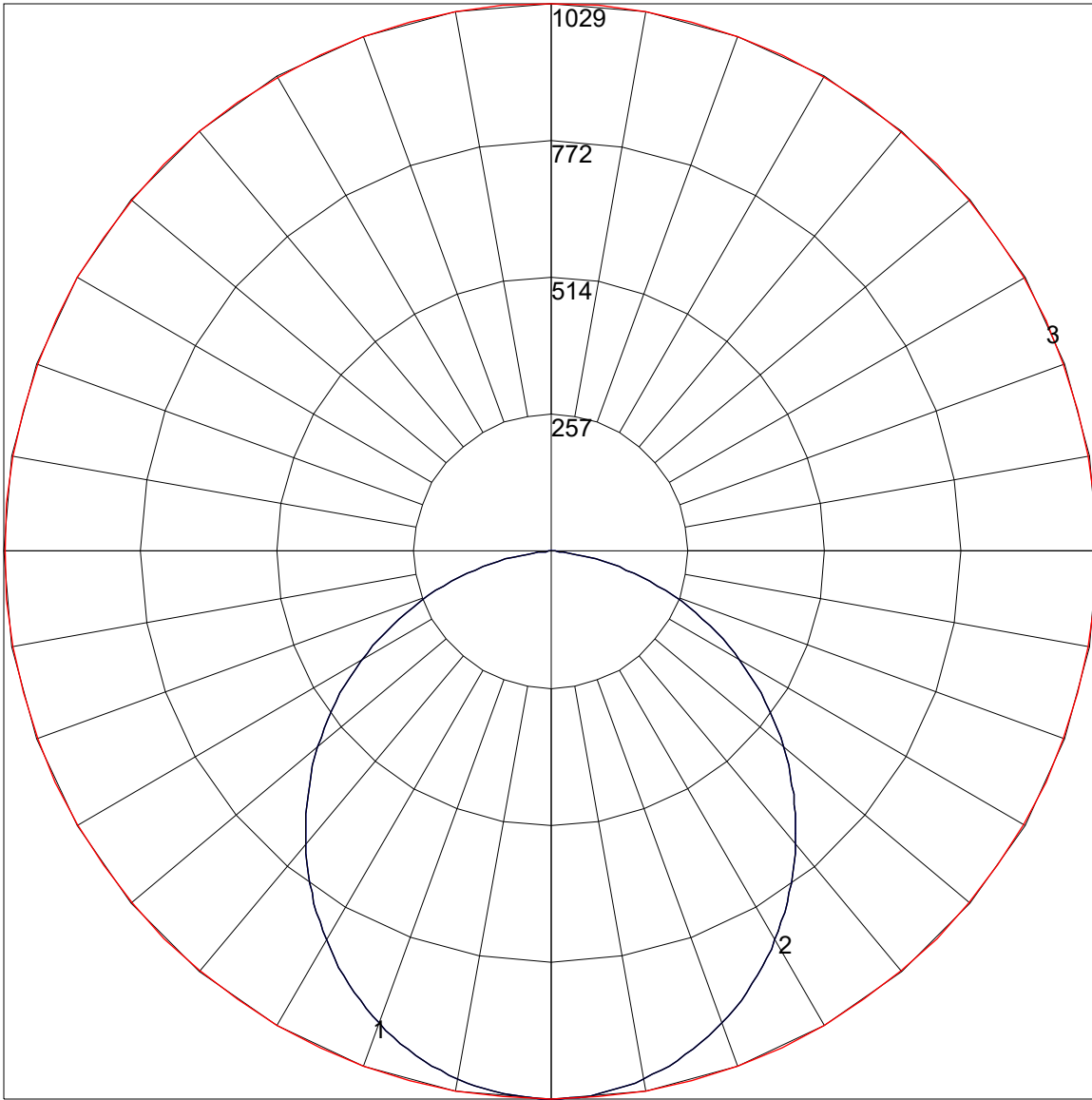
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VANL-N-24-H-40.IES**

**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	20.1	21.7	20.6	22.1	22.6	19.4	21.0	19.9	21.4	21.9
	3H	22.3	23.7	22.8	24.2	24.7	21.0	22.5	21.5	22.9	23.4
	4H	23.3	24.7	23.8	25.2	25.7	21.6	22.9	22.1	23.4	23.9
	6H	24.3	25.5	24.8	26.0	26.6	21.9	23.1	22.4	23.6	24.2
	8H	24.7	25.9	25.3	26.4	27.0	22.0	23.2	22.5	23.7	24.2
	12H	25.2	26.3	25.7	26.8	27.4	22.0	23.1	22.5	23.6	24.2
4H	2H	20.7	22.0	21.2	22.5	23.0	20.2	21.5	20.7	22.0	22.5
	3H	23.1	24.3	23.6	24.8	25.3	22.0	23.1	22.5	23.7	24.2
	4H	24.3	25.3	24.8	25.9	26.5	22.7	23.7	23.2	24.3	24.9
	6H	25.5	26.4	26.0	26.9	27.6	23.2	24.1	23.7	24.6	25.2
	8H	26.0	26.9	26.6	27.4	28.1	23.3	24.1	23.8	24.7	25.3
	12H	26.5	27.3	27.1	27.9	28.5	23.3	24.1	23.9	24.7	25.3
8H	4H	24.6	25.5	25.2	26.0	26.7	23.2	24.1	23.8	24.7	25.3
	6H	26.0	26.7	26.6	27.3	27.9	23.9	24.7	24.5	25.3	25.9
	8H	26.6	27.3	27.2	27.9	28.6	24.1	24.8	24.7	25.4	26.1
	12H	27.4	28.0	28.0	28.6	29.3	24.3	24.9	24.9	25.5	26.2
12H	4H	24.6	25.4	25.2	26.0	26.6	23.4	24.2	24.0	24.8	25.4
	6H	26.0	26.7	26.6	27.3	28.0	24.1	24.8	24.8	25.4	26.1
	8H	26.8	27.4	27.4	28.0	28.7	24.5	25.1	25.1	25.7	26.4

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 1028.91 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 (90 - 270)  
# 3 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)