



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] G005332.001
 [TESTLAB]
 [TESTDATE] 2022-10-03
 [ISSUEDATE] 2022-10-25
 [MANUFAC] LAMAR LED
 [LUMCAT] VANL-N-48-L-40
 [LUMINAIRE] VANDAL RESISTANT SURFACE LED LUMINAIRE
 [MORE]RIBBED LINEAR OPAL HIGH IMPACT EXTRUDED POLYCARBONATE LENS
 [_WATTAGE] 26.3
 [_LUMENS] 3555
 [_EFFICACY] 133

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3555
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	26.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.90 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8436	6244	5525
55	8646	5633	4638
65	9296	5030	3560
75	11240	4486	2149
85	20129	4162	419

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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>
0	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77
1	1035.78	1035.78	1035.87	1035.87	1035.87	1035.97	1035.97	1036.06	1036.16	1036.25
2	1033.88	1033.88	1033.88	1033.97	1034.07	1034.16	1034.26	1034.45	1034.54	1034.73
3	1031.98	1031.98	1031.98	1032.08	1032.17	1032.27	1032.46	1032.65	1032.93	1033.03
4	1029.99	1029.99	1030.09	1030.18	1030.28	1030.47	1030.66	1030.56	1030.56	1030.75
5	1028.10	1028.10	1028.19	1028.29	1028.38	1028.38	1028.29	1028.19	1028.19	1028.29
6	1026.10	1026.20	1026.29	1026.29	1026.39	1026.10	1025.91	1025.82	1025.82	1025.63
7	1024.21	1024.21	1024.30	1024.30	1024.11	1023.73	1023.45	1023.35	1022.79	1022.41
8	1022.31	1022.31	1022.31	1022.31	1021.74	1021.36	1021.08	1020.32	1019.75	1019.47
9	1020.32	1020.41	1020.41	1020.13	1019.47	1018.99	1018.23	1017.38	1016.81	1016.05
10	1018.42	1018.52	1018.42	1017.85	1017.19	1016.53	1015.39	1014.54	1013.40	1012.26
11	1013.49	1013.68	1013.97	1013.78	1013.87	1013.78	1012.54	1011.22	1009.60	1008.94
12	1008.56	1008.75	1008.94	1008.66	1008.66	1008.37	1008.37	1007.42	1006.29	1005.05
13	1003.63	1003.82	1003.82	1003.54	1003.25	1002.87	1002.40	1002.11	1002.68	1000.88
14	998.70	998.89	998.79	998.42	997.85	997.37	996.42	996.61	996.52	996.80
15	993.77	993.86	993.67	993.29	992.54	991.59	990.83	990.54	990.26	990.26
16	988.84	988.93	988.65	988.08	987.04	985.90	985.14	984.57	983.91	983.53
17	983.91	984.00	983.62	982.77	981.54	980.21	979.26	978.31	977.36	976.42
18	978.98	978.98	978.60	977.55	976.04	974.52	973.57	972.05	970.44	969.40
19	974.05	974.05	973.48	972.24	970.54	968.74	967.50	965.51	963.52	962.29
20	969.11	969.11	968.36	966.93	965.13	963.14	961.34	958.78	956.79	954.89
21	961.43	961.62	961.34	960.58	959.73	957.64	954.99	952.05	949.77	947.10
22	953.75	954.04	953.47	952.52	951.76	951.76	948.54	945.46	942.28	939.20
23	946.11	946.36	945.63	944.49	943.41	942.99	941.53	939.05	934.63	931.30
24	938.46	938.68	937.77	936.48	935.04	934.29	932.50	931.65	926.96	923.27
25	930.80	930.95	929.86	928.46	926.90	925.49	923.57	921.82	919.45	915.01
26	923.14	923.21	921.95	920.43	918.71	916.68	914.71	912.06	910.44	906.66
27	915.48	915.46	914.05	912.37	910.48	907.88	905.64	902.43	900.28	898.32
28	907.83	907.70	906.15	904.28	902.03	899.03	896.08	892.94	890.09	888.11
29	900.17	899.92	898.26	896.08	893.53	890.20	886.58	883.34	879.90	877.24
30	892.51	892.14	890.38	887.89	885.08	881.38	877.25	873.34	869.69	866.50
31	882.65	882.41	881.20	879.44	876.58	872.53	868.02	863.37	859.24	855.53
32	872.80	872.48	871.25	869.18	867.16	863.66	858.77	853.49	848.62	844.36
33	862.94	862.56	861.28	858.92	856.64	853.61	849.53	843.61	838.20	833.48
34	853.09	852.64	851.31	848.64	846.15	842.62	839.45	833.70	827.80	822.41
35	843.22	842.74	841.35	838.37	835.60	831.67	827.88	823.66	816.96	811.14
36	833.37	832.85	831.39	828.11	825.07	820.85	816.44	812.01	806.27	799.82
37	823.51	822.96	821.42	817.86	814.59	810.03	805.13	800.21	795.85	788.50
38	813.65	813.11	811.35	807.60	804.11	799.19	793.87	788.55	783.58	777.13
39	803.80	803.25	801.28	797.38	793.66	788.25	782.56	776.78	771.13	765.55
40	793.93	793.40	791.22	787.16	783.26	777.34	771.25	764.78	758.71	752.78
41	782.69	782.29	780.36	776.95	772.89	766.41	759.94	752.90	746.41	739.84
42	771.43	771.02	768.87	765.43	761.92	755.44	748.60	741.23	733.88	726.98
43	760.19	759.75	757.40	753.85	749.84	744.28	737.35	729.58	721.32	714.17
44	748.93	748.47	745.94	742.27	737.83	732.15	726.09	717.58	708.89	701.08
45	737.68	737.17	734.49	730.70	725.88	719.94	713.57	705.62	696.60	688.02
46	726.43	725.88	723.05	719.15	714.00	707.76	700.94	693.57	684.20	674.76
47	715.17	714.57	711.65	707.61	702.14	695.58	688.19	680.69	671.86	661.60
48	703.93	703.26	700.29	696.00	690.33	683.41	675.53	667.58	658.93	648.51
49	692.67	691.95	688.96	684.32	678.55	671.27	662.96	654.40	645.40	635.56
50	681.42	680.63	677.66	672.62	666.69	659.17	650.47	641.40	632.01	622.68
51	669.49	668.70	665.97	660.91	654.82	647.02	638.04	628.56	618.66	608.72
52	657.57	656.69	653.94	648.71	642.81	634.84	625.61	615.78	605.20	594.77
53	645.64	644.69	641.92	636.54	630.40	622.55	613.23	602.87	591.87	580.99

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54	633.72	632.70	629.84	624.46	618.06	609.94	600.95	589.94	578.62	567.32
55	621.79	620.72	617.76	612.42	605.84	597.42	588.09	577.07	565.49	553.54
56	609.86	608.73	605.69	600.38	593.63	584.94	575.17	564.28	552.39	539.91
57	597.93	596.75	593.64	588.33	581.43	572.52	562.34	551.35	539.24	526.39
58	586.00	584.78	581.61	576.28	569.26	560.14	549.64	538.42	525.85	512.95
59	574.08	572.81	569.60	564.24	557.06	547.77	537.12	525.39	512.47	499.46
60	562.15	560.84	557.60	552.19	544.82	535.44	524.67	512.45	499.18	485.82
61	550.47	549.12	545.77	540.17	532.61	523.18	512.27	499.60	486.05	472.23
62	538.80	537.42	534.01	528.31	520.53	510.98	499.80	486.83	473.11	458.79
63	527.11	525.72	522.26	516.48	508.57	498.82	487.34	474.15	460.31	445.52
64	515.43	514.03	510.51	504.67	496.62	486.72	474.98	461.54	447.42	432.36
65	503.76	502.33	498.75	492.88	484.69	474.66	462.73	449.08	434.55	419.28
66	492.08	490.64	486.99	481.12	472.78	462.65	450.53	436.79	421.73	406.29
67	480.39	478.94	475.25	469.37	460.91	450.70	438.42	424.59	409.31	393.44
68	468.72	467.24	463.51	457.65	449.06	438.77	426.36	412.43	397.03	380.77
69	457.04	455.55	451.77	445.93	437.26	426.85	414.39	400.30	384.82	368.26
70	445.36	443.86	440.03	434.19	425.48	414.96	402.48	388.25	372.66	355.88
71	434.58	433.04	428.99	422.77	413.73	403.11	390.61	376.27	360.59	343.61
72	423.80	422.29	418.22	411.92	402.83	391.54	378.81	364.38	348.62	331.40
73	413.03	411.54	407.46	401.09	392.03	380.72	367.50	352.62	336.74	319.33
74	402.25	400.80	396.70	390.29	381.25	369.95	356.69	341.44	324.93	307.40
75	391.48	390.05	385.96	379.51	370.51	359.25	345.93	330.61	313.63	295.62
76	380.70	379.31	375.21	368.74	359.80	348.58	335.23	319.83	302.74	284.27
77	369.92	368.58	364.48	357.99	349.10	337.92	324.55	309.07	291.96	273.46
78	359.15	357.84	353.75	347.26	338.42	327.29	313.95	298.32	281.27	262.78
79	348.37	347.11	343.02	336.54	327.77	316.68	303.40	287.64	270.68	252.23
80	337.60	336.37	332.30	325.84	317.15	306.09	292.92	277.05	260.16	241.78
81	328.07	326.79	322.61	315.96	307.01	295.61	282.48	266.53	249.73	231.43
82	318.54	317.26	313.10	306.49	297.57	286.18	272.80	256.34	239.39	221.18
83	309.01	307.73	303.61	297.03	288.15	276.80	263.48	247.18	229.92	211.14
84	299.48	298.19	294.12	287.59	278.75	267.44	254.20	238.07	220.89	202.18
85	289.95	288.66	284.63	278.14	269.35	258.10	244.94	229.01	211.93	193.32
86	280.42	279.13	275.15	268.71	259.98	248.80	235.72	220.01	203.03	184.55
87	270.89	269.60	265.67	259.27	250.62	239.52	226.53	211.05	194.19	175.86
88	261.36	260.07	256.19	249.86	241.27	230.26	217.36	202.14	185.42	167.26
89	251.83	250.54	246.72	240.44	231.94	221.03	208.23	193.27	176.70	158.73
90	242.30	241.01	237.25	231.03	222.62	211.81	199.12	184.44	168.04	150.27
91	234.45	233.18	229.44	223.28	214.93	204.23	191.63	177.09	160.85	143.26
92	226.59	225.34	221.64	215.53	207.25	196.65	184.16	169.78	153.71	136.32
93	218.74	217.51	213.84	207.78	199.58	189.09	176.73	162.49	146.61	129.43
94	210.89	209.67	206.04	200.04	191.93	181.55	169.31	155.24	139.55	122.59
95	203.04	201.84	198.24	192.32	184.27	174.03	161.91	148.01	132.54	115.80
96	195.19	194.00	190.45	184.59	176.63	166.51	154.54	140.82	125.55	109.05
97	187.34	186.17	182.65	176.87	169.01	159.01	147.18	133.64	118.59	102.34
98	179.49	178.34	174.86	169.15	161.38	151.53	139.85	126.49	112.10	96.95
99	171.63	170.51	167.07	161.44	153.77	144.05	133.01	120.53	106.67	91.75
100	163.78	162.74	159.52	154.26	147.10	138.02	127.25	114.92	101.26	86.57
101	157.57	156.53	153.36	148.16	141.09	132.12	121.49	109.33	95.87	81.42
102	151.36	150.33	147.20	142.07	135.08	126.23	115.75	103.77	90.51	76.29
103	145.15	144.12	141.03	135.97	129.08	120.35	110.02	98.21	85.15	71.17
104	138.94	137.91	134.87	129.87	123.07	114.47	104.30	92.66	79.81	66.07
105	132.73	131.71	128.71	123.78	117.08	108.61	98.58	87.12	74.48	61.90
106	126.53	125.51	122.54	117.69	111.09	102.75	92.87	81.58	69.85	58.43
107	120.31	119.31	116.39	111.60	105.10	96.90	87.16	76.72	66.18	54.96
108	114.10	113.11	110.23	105.51	99.11	91.05	82.30	72.85	62.51	51.50
109	107.89	106.91	104.08	99.42	93.33	86.45	78.27	69.00	58.85	48.04

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CANDELA TABULATION - (Cont.)

110	101.68	100.83	98.40	94.41	89.05	82.28	74.25	65.16	55.19	44.58
111	97.19	96.35	93.96	90.04	84.76	78.12	70.23	61.31	51.53	41.12
112	92.68	91.86	89.52	85.68	80.48	73.96	66.21	57.46	47.86	37.66
113	88.19	87.38	85.07	81.31	76.20	69.80	62.19	53.61	44.19	35.26
114	83.69	82.90	80.63	76.94	71.92	65.63	58.18	49.75	40.71	33.13
115	79.19	78.41	76.19	72.58	67.64	61.47	54.16	45.89	38.42	31.00
116	74.69	73.93	71.75	68.21	63.35	57.31	50.14	43.01	36.13	28.86
117	70.19	69.44	67.31	63.84	59.07	53.15	46.75	40.57	33.83	26.71
118	65.69	64.96	62.86	59.48	54.79	49.55	44.16	38.13	31.53	24.56
119	61.19	60.47	58.42	55.11	51.29	46.85	41.58	35.68	29.22	22.40
120	56.69	56.13	54.55	52.02	48.50	44.15	39.00	33.23	26.90	20.22
121	53.72	53.18	51.63	49.14	45.72	41.45	36.42	30.77	24.58	18.38
122	50.75	50.22	48.71	46.27	42.93	38.75	33.84	28.31	22.25	17.27
123	47.78	47.27	45.79	43.40	40.13	36.05	31.24	25.83	20.21	16.16
124	44.81	44.31	42.88	40.53	37.34	33.34	28.65	23.35	18.99	15.04
125	41.84	41.36	39.96	37.66	34.54	30.63	26.05	21.44	17.77	13.90
126	38.87	38.40	37.04	34.79	31.74	27.92	23.44	20.11	16.53	12.75
127	35.90	35.45	34.12	31.93	28.94	25.21	22.02	18.77	15.29	11.60
128	32.93	32.50	31.20	29.06	26.14	23.40	20.60	17.43	14.04	10.44
129	29.96	29.54	28.28	26.19	24.26	21.90	19.17	16.09	12.78	9.26
130	26.99	26.73	25.90	24.54	22.69	20.39	17.74	14.74	11.51	8.08
131	25.29	25.04	24.23	22.91	21.12	18.89	16.30	13.38	10.23	6.60
132	23.60	23.35	22.57	21.29	19.54	17.38	14.85	12.01	8.94	5.07
133	21.91	21.67	20.91	19.66	17.96	15.87	13.40	10.64	7.44	3.53
134	20.22	19.98	19.25	18.03	16.38	14.34	11.95	9.26	5.82	1.99
135	18.53	18.29	17.58	16.40	14.80	12.82	10.49	7.66	4.20	0.44
136	16.84	16.61	15.92	14.77	13.22	11.29	9.00	5.95	2.57	0.00
137	15.14	14.92	14.25	13.14	11.63	9.76	7.22	4.25	0.93	0.00
138	13.45	13.23	12.58	11.51	10.04	7.98	5.44	2.53	0.00	0.00
139	11.76	11.55	10.91	9.87	8.21	6.13	3.66	0.82	0.00	0.00
140	10.07	9.83	9.11	7.93	6.31	4.28	1.87	0.00	0.00	0.00
141	8.06	7.82	7.12	5.98	4.41	2.43	0.08	0.00	0.00	0.00
142	6.04	5.81	5.14	4.03	2.50	0.58	0.00	0.00	0.00	0.00
143	4.03	3.81	3.15	2.07	0.59	0.00	0.00	0.00	0.00	0.00
144	2.01	1.80	1.17	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

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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	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77
1	1036.44	1036.54	1036.63	1036.82	1037.01	1037.10	1037.29	1037.48	1037.58	1037.48
2	1035.02	1035.21	1035.49	1035.78	1036.06	1036.35	1036.63	1037.01	1037.29	1037.10
3	1033.22	1033.41	1033.60	1033.88	1034.16	1034.54	1035.02	1035.49	1035.97	1035.59
4	1030.85	1031.04	1031.32	1031.70	1032.08	1032.65	1033.12	1033.69	1034.35	1033.97
5	1028.48	1028.66	1028.66	1028.85	1029.14	1029.61	1030.09	1030.75	1031.51	1031.13
6	1025.35	1025.35	1025.54	1025.82	1026.39	1026.96	1027.72	1028.57	1029.52	1028.95
7	1022.31	1022.41	1022.60	1022.79	1023.16	1023.73	1024.49	1025.44	1026.58	1026.01
8	1019.28	1018.90	1018.80	1019.09	1019.56	1020.13	1020.98	1022.03	1023.35	1022.60
9	1015.39	1015.20	1015.20	1015.39	1015.67	1016.24	1017.19	1018.33	1019.75	1018.99
10	1011.88	1011.50	1011.22	1011.12	1011.22	1011.60	1012.35	1013.40	1014.92	1013.97
11	1007.99	1007.33	1006.67	1006.29	1006.29	1006.67	1007.52	1008.75	1010.36	1009.42
12	1003.82	1002.68	1001.83	1001.45	1001.26	1001.64	1002.49	1003.92	1005.72	1004.67
13	999.36	998.04	996.90	996.14	995.95	996.33	997.18	998.70	1000.69	999.46
14	994.81	992.92	991.49	990.64	990.26	990.36	991.02	992.35	994.34	993.20
15	989.79	987.51	985.99	984.76	984.10	984.00	984.57	985.99	988.08	986.85
16	983.24	982.11	980.11	978.60	977.65	977.08	977.55	978.88	981.16	979.92
17	976.23	976.51	974.05	971.86	970.25	969.97	970.63	972.15	974.52	973.10
18	968.92	969.02	967.22	964.75	963.52	962.76	962.86	964.18	966.65	965.13
19	961.24	960.67	960.39	957.93	955.74	954.80	954.99	956.31	958.78	957.45
20	953.37	952.33	952.80	950.15	948.03	946.75	946.57	947.82	950.43	949.01
21	945.05	944.28	943.73	942.72	939.67	938.11	938.14	939.64	942.54	941.01
22	937.00	935.34	935.02	934.26	931.12	929.60	929.40	930.60	933.32	931.93
23	928.56	926.64	925.37	925.34	922.70	920.73	919.98	921.12	924.09	922.51
24	919.92	917.47	915.75	915.94	913.62	910.94	910.28	911.39	914.36	912.84
25	911.38	908.01	906.26	905.70	904.00	901.40	900.56	901.67	904.75	903.20
26	902.25	898.66	896.41	895.11	894.64	891.67	890.16	890.97	894.08	892.50
27	893.13	889.16	886.04	884.72	884.83	880.89	879.72	880.68	883.86	882.09
28	884.07	879.30	875.78	874.03	873.64	870.96	869.09	869.64	872.72	871.17
29	874.59	869.31	865.41	862.79	862.82	860.15	858.29	859.13	862.54	860.61
30	864.29	859.20	854.66	851.97	851.21	849.50	846.95	847.16	850.36	848.81
31	852.93	849.09	843.88	840.56	839.65	837.82	834.97	835.23	838.62	836.99
32	841.24	838.83	832.93	829.13	827.19	826.02	823.23	823.36	826.54	825.01
33	829.60	827.27	821.78	817.17	814.74	814.77	811.40	811.36	814.83	812.99
34	817.92	814.83	810.62	805.02	802.68	802.83	799.03	798.81	802.29	800.63
35	806.16	802.38	798.81	793.05	790.20	789.89	786.45	786.17	789.69	787.98
36	794.03	790.02	787.21	781.07	777.36	776.71	773.74	773.15	776.65	775.18

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	781.98	777.24	774.12	768.93	764.38	763.36	760.92	760.22	763.55	762.01
38	770.03	764.33	760.90	756.36	751.30	750.11	747.97	746.75	750.31	748.73
39	758.26	751.45	747.72	743.64	738.20	736.43	734.28	733.09	736.61	735.09
40	746.04	738.62	734.08	731.00	724.94	722.28	720.80	719.43	723.04	721.39
41	733.64	725.76	720.35	717.80	711.27	708.34	707.19	705.57	709.07	707.61
42	721.01	712.81	706.68	703.40	697.66	694.32	693.43	691.42	695.01	693.53
43	707.26	699.76	692.98	689.03	684.22	680.06	679.39	677.48	680.92	679.30
44	693.58	686.67	679.10	674.57	670.24	665.72	665.67	662.67	666.06	664.68
45	679.89	673.63	665.28	660.25	656.50	651.35	650.75	648.13	651.72	650.28
46	666.20	659.53	651.50	645.49	642.43	636.51	636.15	633.29	636.51	635.32
47	652.57	645.13	637.72	630.94	627.99	622.01	620.99	618.12	621.41	620.40
48	639.06	630.85	623.81	616.28	612.89	607.20	605.36	603.32	606.61	605.67
49	625.45	616.67	609.91	601.39	597.62	592.18	590.36	588.31	591.50	590.52
50	611.68	602.45	595.03	586.78	582.12	577.26	574.92	572.80	575.77	575.01
51	598.26	588.15	580.00	572.26	566.59	562.31	559.19	557.52	560.83	559.85
52	585.03	573.93	564.96	557.62	551.08	547.45	543.53	542.09	545.20	544.34
53	571.38	559.82	550.10	542.92	535.51	532.38	527.89	526.45	529.40	528.71
54	556.94	545.69	535.38	528.03	520.05	517.20	512.01	510.39	513.10	512.78
55	542.40	531.65	520.65	512.55	504.58	501.63	495.98	494.48	497.49	497.02
56	528.08	517.43	505.75	496.72	489.01	485.17	479.88	478.55	481.22	481.01
57	513.96	502.74	491.12	481.18	473.71	469.05	463.96	462.54	464.99	465.10
58	499.86	488.16	476.64	465.83	458.35	452.40	447.99	446.34	448.73	449.00
59	485.88	473.42	462.19	450.52	443.07	436.35	431.91	430.26	432.41	432.67
60	472.05	458.78	447.13	435.47	427.20	420.03	415.81	414.08	415.72	416.33
61	458.39	444.27	432.01	420.52	411.14	403.72	399.79	397.53	399.31	399.90
62	444.71	430.05	417.03	405.67	395.30	387.47	383.74	380.90	382.52	383.45
63	430.92	416.09	402.22	390.77	379.33	371.41	367.50	364.36	365.96	367.04
64	417.19	402.19	387.60	375.46	363.55	355.50	351.38	347.79	349.03	350.66
65	403.65	388.26	373.09	360.13	348.08	339.61	334.80	331.02	332.19	333.73
66	390.20	374.30	358.77	344.95	332.94	323.59	317.93	314.09	315.26	316.65
67	376.93	360.54	344.66	330.00	317.99	307.34	301.18	297.15	298.84	299.81
68	363.83	346.98	330.55	315.32	302.94	291.24	284.31	280.23	282.05	282.88
69	350.85	333.68	316.60	300.80	287.42	275.17	267.87	263.29	264.63	265.91
70	338.08	320.52	302.86	286.55	272.22	259.27	251.24	246.52	247.21	249.17
71	325.59	307.51	289.28	272.41	257.26	243.81	234.79	229.88	230.32	232.56
72	313.27	294.75	275.84	258.47	242.44	228.66	218.81	213.37	213.65	216.12
73	301.11	282.29	262.58	244.82	228.00	213.79	203.22	197.05	197.23	199.87
74	289.07	270.00	249.75	231.39	213.96	198.82	187.46	181.06	180.87	183.90
75	277.16	257.87	237.47	218.27	200.20	184.19	171.93	165.21	164.41	168.12
76	265.41	245.91	225.42	205.48	186.85	170.06	156.90	149.71	148.46	152.66
77	253.90	234.14	213.60	193.22	173.89	156.37	142.37	134.24	132.71	137.22
78	243.17	222.55	202.04	181.34	161.33	143.19	128.33	118.80	117.36	121.90
79	232.58	211.77	190.71	169.78	149.17	130.33	114.48	103.92	102.39	107.16
80	222.14	201.32	179.80	158.56	137.59	118.03	101.15	89.63	87.80	93.12
81	211.81	191.04	169.53	147.70	126.41	106.42	88.60	76.15	73.85	79.90
82	201.62	180.94	159.48	137.58	115.63	95.47	76.89	63.44	60.37	67.44
83	191.57	171.00	149.65	127.84	105.31	85.08	66.19	51.71	47.46	55.99
84	182.13	161.24	140.05	118.34	96.17	75.22	56.40	41.07	35.16	45.72
85	173.39	152.43	130.68	109.13	87.42	66.24	47.35	30.97	24.07	35.98
86	164.75	143.98	122.41	100.45	79.00	58.31	39.08	22.38	14.77	27.75
87	156.22	135.67	114.32	92.68	71.25	50.83	32.09	15.71	7.57	21.40
88	147.79	127.46	106.39	85.12	64.18	44.17	26.08	10.42	3.26	16.26
89	139.46	119.39	98.61	77.76	57.37	38.13	21.00	6.91	2.17	12.77
90	131.22	111.41	90.97	70.58	50.78	32.39	16.47	4.59	1.09	10.27
91	124.45	104.91	84.84	64.88	45.68	28.09	13.34	3.39	0.00	8.72
92	117.75	98.50	78.82	59.32	40.74	23.97	10.59	2.64	0.00	7.51

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CANDELA TABULATION - (Cont.)

93	111.14	92.18	72.90	53.87	35.92	20.38	8.52	2.24	0.00	6.62
94	104.57	85.93	67.06	48.52	31.84	17.52	6.83	2.07	0.00	5.98
95	98.06	79.74	61.29	44.19	28.36	14.68	5.72	2.01	0.00	5.49
96	91.59	73.92	56.84	40.25	24.92	12.61	4.72	1.83	0.00	4.75
97	85.93	69.23	52.51	36.36	21.51	10.99	4.14	0.15	0.00	0.38
98	80.96	64.57	48.21	32.48	19.35	9.34	3.52	0.00	0.00	0.00
99	76.03	59.95	43.96	28.99	17.33	8.09	3.21	0.00	0.00	0.00
100	71.13	55.36	39.72	26.60	15.30	7.22	3.02	0.00	0.00	0.00
101	66.27	50.79	36.53	24.21	13.24	6.33	2.80	0.00	0.00	0.00
102	61.42	46.56	33.83	21.82	11.98	5.40	2.26	0.00	0.00	0.00
103	56.58	43.58	31.13	19.41	10.87	4.92	1.07	0.00	0.00	0.00
104	53.07	40.60	28.43	17.31	9.73	4.59	0.00	0.00	0.00	0.00
105	49.82	37.62	25.72	15.98	8.57	4.23	0.00	0.00	0.00	0.00
106	46.58	34.64	22.99	14.65	7.37	3.86	0.00	0.00	0.00	0.00
107	43.35	31.65	21.33	13.29	6.91	3.46	0.00	0.00	0.00	0.00
108	40.12	28.65	19.78	11.91	6.44	2.47	0.00	0.00	0.00	0.00
109	36.88	26.50	18.22	10.50	5.96	1.38	0.00	0.00	0.00	0.00
110	33.64	24.76	16.64	9.48	5.45	0.31	0.00	0.00	0.00	0.00
111	31.23	23.00	15.04	8.89	4.92	0.00	0.00	0.00	0.00	0.00
112	29.29	21.22	13.42	8.29	4.37	0.00	0.00	0.00	0.00	0.00
113	27.34	19.44	12.01	7.66	3.36	0.00	0.00	0.00	0.00	0.00
114	25.37	17.65	11.29	7.01	2.25	0.00	0.00	0.00	0.00	0.00
115	23.40	15.83	10.55	6.34	1.14	0.00	0.00	0.00	0.00	0.00
116	21.41	14.30	9.80	5.65	0.04	0.00	0.00	0.00	0.00	0.00
117	19.41	13.44	9.03	4.82	0.00	0.00	0.00	0.00	0.00	0.00
118	17.41	12.56	8.25	3.65	0.00	0.00	0.00	0.00	0.00	0.00
119	16.09	11.67	7.44	2.49	0.00	0.00	0.00	0.00	0.00	0.00
120	15.09	10.77	6.62	1.31	0.00	0.00	0.00	0.00	0.00	0.00
121	14.08	9.85	5.70	0.13	0.00	0.00	0.00	0.00	0.00	0.00
122	13.06	8.92	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	12.03	7.97	3.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	11.00	7.01	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	9.95	5.80	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	8.89	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	7.82	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	6.55	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	5.12	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.80	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

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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	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77
1	1037.39	1037.29	1037.20	1037.10	1037.01	1036.91	1036.91	1036.82	1036.72	1036.72
2	1036.91	1036.72	1036.54	1036.35	1036.16	1036.06	1035.97	1035.78	1035.68	1035.59
3	1035.30	1035.11	1034.92	1034.73	1034.64	1034.54	1034.54	1034.54	1034.54	1034.45
4	1033.60	1033.31	1033.03	1032.84	1032.65	1032.55	1032.55	1032.55	1032.74	1032.93
5	1030.75	1030.56	1030.47	1030.37	1030.47	1030.56	1030.56	1030.56	1030.66	1030.85
6	1028.48	1028.19	1027.91	1027.81	1027.81	1028.00	1028.19	1028.48	1028.76	1028.95
7	1025.54	1025.25	1025.06	1025.16	1025.25	1025.44	1025.82	1026.29	1026.67	1027.15
8	1022.12	1021.84	1021.74	1021.93	1022.31	1022.69	1023.16	1023.83	1024.49	1025.16
9	1018.42	1018.14	1018.04	1018.33	1018.80	1019.47	1020.41	1021.17	1022.03	1023.16
10	1013.49	1013.40	1013.78	1014.54	1015.10	1015.96	1017.00	1018.42	1019.47	1020.70
11	1008.94	1008.75	1008.85	1009.32	1010.65	1012.35	1013.49	1015.01	1016.91	1018.23
12	1004.01	1003.92	1004.29	1005.15	1006.00	1007.33	1009.79	1011.69	1013.68	1015.86
13	998.89	998.70	999.17	1000.12	1001.73	1003.25	1004.96	1008.09	1010.36	1010.74
14	992.73	992.92	993.77	994.91	996.52	998.89	1001.26	1003.44	1004.77	1005.15
15	986.28	986.56	987.61	989.22	991.40	993.77	996.90	997.66	998.23	999.55
16	979.45	979.92	981.16	983.05	985.71	988.74	990.64	991.68	991.97	993.96
17	972.62	973.10	974.52	976.70	979.55	983.24	983.91	984.95	986.47	987.51
18	964.85	965.80	967.69	970.16	973.38	975.75	976.80	978.12	980.11	981.54
19	957.17	957.93	959.82	963.24	967.12	968.17	969.49	971.20	973.57	976.04

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CANDELA TABULATION - (Cont.)

20	948.92	950.24	952.52	955.36	959.35	960.39	962.00	964.28	966.84	970.06
21	940.81	941.97	944.59	948.63	950.34	952.33	954.42	957.17	960.11	963.80
22	932.11	933.79	936.61	940.68	942.27	943.50	946.56	949.86	953.37	957.26
23	922.74	924.83	928.34	932.47	933.18	935.28	938.39	942.29	946.58	950.62
24	913.15	915.23	919.28	923.08	924.21	926.62	930.09	934.66	939.71	944.04
25	903.59	905.86	909.91	912.87	914.91	917.74	921.93	926.86	932.32	935.26
26	893.25	896.42	900.82	902.52	905.04	909.02	913.30	919.01	923.63	926.41
27	882.64	885.54	891.28	892.38	894.92	899.38	904.75	910.93	914.07	917.43
28	872.07	875.25	879.87	881.92	884.92	889.70	896.26	901.06	904.27	907.93
29	861.35	864.86	868.72	870.61	874.78	880.01	886.72	890.62	894.40	898.51
30	850.13	854.06	857.66	859.53	864.15	870.17	876.58	880.41	884.51	889.25
31	838.45	842.87	845.85	848.70	853.36	860.21	865.45	869.73	874.47	879.89
32	826.68	831.41	833.90	837.20	842.63	850.18	854.06	858.76	864.28	870.23
33	814.69	819.89	821.80	825.42	832.00	838.80	842.62	847.95	854.24	860.65
34	802.51	807.85	809.61	813.66	820.60	826.71	831.25	837.03	844.19	851.28
35	790.16	795.33	797.22	801.91	809.00	814.80	819.89	826.03	833.81	841.76
36	777.59	782.29	784.57	790.03	797.78	802.06	808.30	815.09	823.45	830.39
37	764.87	769.24	771.67	778.32	785.00	789.40	796.65	804.21	812.94	818.75
38	751.66	755.90	758.81	765.37	772.05	776.88	784.75	793.37	800.68	807.22
39	738.37	742.16	745.88	752.94	759.31	764.42	772.48	782.56	788.46	795.67
40	724.79	728.35	732.71	740.39	745.25	751.83	760.52	770.40	776.32	784.06
41	711.20	714.39	719.17	727.55	731.75	739.27	748.66	757.18	764.22	772.48
42	697.61	700.22	706.06	713.47	718.25	726.47	736.40	744.00	752.06	760.80
43	683.55	686.21	692.01	699.04	704.72	713.43	722.89	730.85	739.90	749.21
44	669.30	671.91	678.30	685.08	691.36	700.60	709.43	718.06	727.77	737.53
45	655.01	657.30	664.73	670.19	677.55	687.72	695.81	705.48	715.65	725.91
46	640.49	642.84	650.82	655.74	663.83	673.71	682.21	692.41	703.28	713.87
47	625.09	628.26	636.57	641.34	650.06	659.55	668.65	679.48	691.05	700.94
48	610.03	613.50	621.40	626.86	636.29	645.37	655.15	666.79	678.32	687.98
49	595.05	598.58	606.04	612.39	622.77	631.23	641.64	654.09	664.89	674.95
50	579.29	584.07	590.79	597.85	607.84	617.06	628.13	641.18	651.64	661.96
51	563.58	569.02	575.18	583.28	592.92	602.87	614.78	627.11	638.44	649.11
52	548.17	553.93	560.22	568.71	578.27	588.74	601.56	613.15	624.94	636.33
53	532.29	539.01	544.67	554.14	563.27	574.69	588.01	599.28	611.55	623.63
54	516.51	523.93	529.11	539.47	548.47	560.70	573.71	585.51	598.29	611.05
55	500.50	508.25	513.69	524.22	533.84	546.86	559.38	571.79	585.10	598.58
56	484.78	491.94	498.28	508.42	519.37	532.68	544.97	558.19	571.97	585.55
57	468.78	475.71	483.00	492.83	504.68	517.75	530.67	544.66	558.90	572.27
58	452.71	459.81	467.74	477.42	490.12	502.92	516.48	531.20	545.50	559.09
59	436.64	443.36	452.64	462.21	475.83	488.37	502.46	517.84	532.11	546.00
60	420.53	427.12	436.81	447.04	460.84	473.97	488.64	504.21	518.85	533.00
61	404.52	410.90	420.62	432.02	445.67	459.67	474.98	490.50	505.63	520.04
62	388.46	394.67	404.58	417.18	430.59	445.34	461.30	476.90	492.48	507.11
63	372.25	378.73	389.06	402.53	415.71	431.11	447.43	463.44	479.47	494.24
64	356.31	362.95	373.36	387.28	401.01	417.16	433.62	450.10	466.48	481.48
65	339.92	346.88	357.79	371.85	386.43	403.15	419.99	436.91	453.58	469.07
66	323.13	331.31	342.46	356.43	372.09	389.04	406.50	423.80	440.77	456.77
67	306.28	314.79	327.51	341.52	357.97	375.16	393.18	410.82	428.15	444.53
68	289.44	298.73	312.56	326.86	343.79	361.57	380.00	397.98	415.65	432.19
69	273.16	282.78	297.03	312.30	329.82	348.15	366.97	385.32	403.27	419.77
70	256.49	266.93	281.68	298.02	316.10	334.94	354.12	372.81	390.94	407.49
71	240.07	251.48	266.73	283.90	302.59	322.01	341.32	360.45	378.67	395.32
72	224.19	236.47	252.01	269.73	289.12	309.22	328.74	348.13	366.50	383.27
73	208.68	221.59	237.67	255.95	275.87	296.51	316.38	335.96	354.44	371.35
74	192.95	206.57	223.57	242.56	262.84	284.01	304.24	323.93	342.49	359.95
75	177.45	191.96	209.73	229.43	250.19	271.70	292.27	312.05	331.04	348.92

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CANDELA TABULATION - (Cont.)

76	162.49	177.92	196.44	216.58	237.91	259.61	280.45	300.56	319.94	337.97
77	148.05	164.32	183.46	204.24	225.95	247.75	268.88	289.53	308.94	327.07
78	134.12	151.01	170.88	192.31	214.25	236.11	257.96	278.63	298.05	316.28
79	120.32	138.16	158.68	180.66	202.84	225.15	247.18	267.83	287.21	305.55
80	107.07	125.88	146.93	169.35	191.88	214.51	236.53	257.15	276.46	294.89
81	94.64	114.23	135.64	158.39	181.47	204.05	225.97	246.57	265.81	284.28
82	83.02	103.23	124.77	148.11	171.25	193.77	215.56	236.12	255.27	273.95
83	72.40	92.78	114.38	138.22	161.23	183.66	205.30	225.88	245.57	264.43
84	62.71	82.89	105.14	128.60	151.45	173.74	195.65	216.69	236.30	254.96
85	53.68	73.87	96.30	119.29	141.90	164.71	186.68	207.60	227.09	245.53
86	45.46	65.85	87.80	110.45	133.43	156.04	177.83	198.60	217.95	236.16
87	38.51	58.30	79.90	102.46	125.14	147.52	169.08	189.68	208.88	226.83
88	32.51	51.50	72.63	94.69	117.01	139.13	160.43	180.84	199.87	217.56
89	27.32	45.26	65.62	87.13	109.04	130.86	151.89	172.08	190.93	208.32
90	22.65	39.34	58.85	79.74	101.22	122.69	143.44	163.38	182.04	199.12
91	19.29	34.85	53.52	73.82	94.83	115.94	136.43	156.13	174.58	191.52
92	16.29	30.55	48.36	68.03	88.58	109.28	129.48	148.94	167.19	183.94
93	13.92	26.74	43.33	62.37	82.42	102.71	122.62	141.81	159.83	176.41
94	11.90	23.58	39.00	56.80	76.35	96.21	115.82	134.73	152.52	168.91
95	10.44	20.47	35.24	52.20	70.36	89.79	109.08	127.70	145.24	161.44
96	9.14	18.11	31.53	47.97	65.63	83.73	102.39	120.71	138.01	153.99
97	8.27	16.19	27.86	43.79	61.01	78.75	96.47	113.76	130.81	146.57
98	7.36	14.26	25.40	39.64	56.44	73.82	91.21	108.08	124.08	139.18
99	6.78	12.73	23.08	35.89	51.90	68.92	85.99	102.57	118.34	132.93
100	6.33	11.59	20.75	33.19	47.38	64.05	80.80	97.10	112.63	127.01
101	5.87	10.44	18.40	30.49	43.89	59.20	75.63	91.65	106.94	121.11
102	4.73	9.25	16.86	27.79	40.88	54.69	70.48	86.23	101.28	115.23
103	2.19	8.55	15.48	25.08	37.88	51.39	65.35	80.82	95.62	109.36
104	0.00	8.00	14.09	22.69	34.88	48.10	61.53	75.44	89.98	103.51
105	0.00	7.44	12.67	21.11	31.87	44.81	57.97	70.96	84.35	97.67
106	0.00	6.86	11.22	19.50	28.85	41.53	54.42	67.17	79.40	91.84
107	0.00	6.25	10.55	17.87	26.91	38.24	50.87	63.39	75.40	86.67
108	0.00	4.41	9.88	16.22	25.08	34.94	47.33	59.60	71.40	82.48
109	0.00	2.43	9.19	14.55	23.24	32.49	43.78	55.83	67.41	78.30
110	0.00	0.53	8.47	13.28	21.38	30.45	40.23	52.05	63.42	74.12
111	0.00	0.00	7.74	12.49	19.50	28.39	37.52	48.27	59.44	69.94
112	0.00	0.00	6.99	11.69	17.61	26.34	35.28	44.50	55.45	65.76
113	0.00	0.00	5.34	10.86	15.93	24.27	33.04	41.78	51.47	61.59
114	0.00	0.00	3.54	10.00	15.01	22.18	30.78	39.35	47.68	57.41
115	0.00	0.00	1.78	9.13	14.07	20.07	28.52	36.91	45.08	53.22
116	0.00	0.00	0.06	8.24	13.12	18.27	26.23	34.46	42.47	50.02
117	0.00	0.00	0.00	7.10	12.13	17.20	23.93	32.00	39.86	47.25
118	0.00	0.00	0.00	5.34	11.13	16.11	21.62	29.55	37.24	44.47
119	0.00	0.00	0.00	3.61	10.13	15.01	20.04	27.08	34.62	41.70
120	0.00	0.00	0.00	1.89	9.10	13.90	18.83	24.60	31.98	38.91
121	0.00	0.00	0.00	0.19	7.90	12.77	17.61	22.47	29.34	36.13
122	0.00	0.00	0.00	0.00	6.13	11.63	16.37	21.13	26.68	33.34
123	0.00	0.00	0.00	0.00	4.37	10.47	15.12	19.79	24.35	30.54
124	0.00	0.00	0.00	0.00	2.63	9.29	13.87	18.44	22.89	27.74
125	0.00	0.00	0.00	0.00	0.91	7.71	12.60	17.08	21.43	25.55
126	0.00	0.00	0.00	0.00	0.00	5.91	11.32	15.71	19.96	23.98
127	0.00	0.00	0.00	0.00	0.00	4.12	10.02	14.32	18.48	22.40
128	0.00	0.00	0.00	0.00	0.00	2.34	8.41	12.93	16.99	20.81
129	0.00	0.00	0.00	0.00	0.00	0.57	6.56	11.53	15.49	19.22
130	0.00	0.00	0.00	0.00	0.00	0.00	4.71	10.11	13.98	17.63
131	0.00	0.00	0.00	0.00	0.00	0.00	2.86	8.24	12.47	16.03

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CANDELA TABULATION - (Cont.)

132	0.00	0.00	0.00	0.00	0.00	0.00	1.02	6.31	10.94	14.42
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.38	9.13	12.80
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.46	7.12	11.17
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	5.12	9.24
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	7.17
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	5.10
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98
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>
0	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77
1	1036.63	1036.63	1036.63	1036.54	1036.54	1036.54	1036.54	1036.63	1036.63	1036.63
2	1035.59	1035.49	1035.40	1035.40	1035.40	1035.40	1035.40	1035.40	1035.49	1035.59

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CANDELA TABULATION - (Cont.)

3	1034.35	1034.35	1034.26	1034.26	1034.16	1034.16	1034.16	1034.26	1034.35	1034.54
4	1033.12	1033.12	1033.03	1033.03	1033.03	1033.03	1033.03	1033.12	1033.22	1033.41
5	1031.22	1031.70	1031.79	1031.79	1031.79	1031.79	1031.79	1031.98	1032.08	1031.89
6	1029.23	1029.80	1030.47	1030.56	1030.66	1030.56	1030.66	1030.75	1030.94	1030.47
7	1027.43	1027.81	1028.66	1029.33	1029.42	1029.42	1029.42	1029.61	1029.52	1028.95
8	1025.63	1026.10	1026.77	1027.91	1028.19	1028.19	1028.29	1028.48	1028.19	1027.43
9	1023.83	1024.40	1024.97	1026.20	1026.86	1027.05	1027.05	1027.34	1026.77	1025.91
10	1022.12	1022.69	1023.26	1024.40	1025.63	1025.91	1025.82	1026.20	1025.44	1024.40
11	1019.85	1021.08	1020.60	1020.70	1021.74	1021.74	1021.55	1022.03	1021.46	1020.98
12	1016.15	1016.62	1016.24	1016.15	1017.29	1017.38	1017.29	1017.66	1017.10	1016.53
13	1011.12	1011.50	1011.69	1011.69	1012.64	1013.11	1013.02	1013.30	1012.64	1012.17
14	1006.10	1006.48	1007.14	1007.23	1008.09	1008.75	1008.75	1008.94	1008.28	1007.80
15	1000.60	1001.54	1002.40	1002.87	1003.54	1004.39	1004.39	1004.58	1003.92	1003.25
16	995.10	996.52	997.47	998.42	998.98	1000.03	1000.12	1000.22	999.55	998.79
17	989.69	991.49	992.63	993.77	994.43	995.67	995.86	995.86	995.29	994.43
18	984.19	986.09	987.80	989.12	989.98	991.30	991.59	991.49	990.92	989.98
19	978.31	980.78	982.86	984.38	985.61	986.94	987.23	987.23	986.47	985.52
20	972.34	975.47	977.93	979.55	981.25	982.58	982.96	982.96	982.01	980.97
21	966.65	970.16	973.00	973.86	974.90	975.66	975.85	976.04	975.56	975.28
22	961.24	964.37	965.70	966.55	967.79	968.55	968.83	968.83	968.36	967.79
23	954.89	956.22	957.93	959.16	960.67	961.34	961.72	961.72	961.15	960.30
24	946.49	948.12	950.24	951.86	953.37	954.23	954.61	954.51	953.94	952.80
25	937.85	940.14	942.48	944.35	946.06	947.11	947.57	947.39	946.79	945.28
26	929.00	932.11	934.68	936.90	938.71	939.99	940.49	940.25	939.59	937.71
27	920.27	924.01	926.88	929.47	931.36	932.87	933.41	933.12	932.34	930.15
28	911.68	915.68	919.06	922.05	924.01	925.76	926.33	926.00	925.07	922.59
29	903.12	907.36	911.29	914.50	916.66	918.67	919.25	918.89	917.77	915.00
30	894.35	898.95	903.60	906.97	909.31	911.57	912.17	911.78	910.43	907.42
31	885.56	890.50	895.80	899.15	900.61	902.36	902.77	902.56	901.62	899.59
32	876.46	882.11	886.81	889.38	891.06	892.90	893.37	893.10	891.95	889.80
33	867.31	872.71	876.56	879.52	881.52	883.45	883.96	883.63	882.28	879.97
34	857.70	862.23	866.34	869.62	871.98	874.00	874.55	874.14	872.65	870.10
35	846.88	851.73	856.12	859.75	862.44	864.54	865.16	864.64	863.02	860.26
36	836.00	841.11	845.94	849.91	852.91	855.08	855.75	855.12	853.42	850.43
37	824.78	830.57	835.79	840.09	843.37	845.61	846.35	845.59	843.83	840.64
38	813.64	820.02	825.56	830.26	833.83	836.13	836.95	836.07	834.20	830.82
39	802.75	809.30	815.22	820.41	824.28	826.65	827.54	826.54	824.57	821.01
40	791.93	798.62	804.89	810.55	814.74	817.18	818.14	817.02	814.96	811.20
41	780.95	788.04	794.54	800.64	804.23	806.22	807.04	806.15	804.41	801.36
42	769.67	777.60	783.92	789.17	793.00	795.08	795.94	795.10	793.19	789.92
43	758.41	766.88	772.20	777.68	781.78	783.93	784.85	784.03	781.96	778.37
44	747.31	754.85	760.50	766.19	770.55	772.78	773.75	772.96	770.74	766.83
45	734.89	742.62	748.81	754.70	759.30	761.62	762.65	761.86	759.50	755.33
46	722.37	730.44	737.15	743.21	748.02	750.46	751.55	750.77	748.26	743.86
47	709.93	718.29	725.49	731.73	736.76	739.29	740.45	739.66	737.02	732.41
48	697.59	706.29	713.80	720.24	725.52	728.12	729.35	728.52	725.80	720.99
49	685.19	694.33	702.10	708.73	714.30	716.94	718.25	717.39	714.60	709.57
50	672.64	682.42	690.38	697.26	703.09	705.76	707.16	706.24	703.41	698.17
51	660.12	670.35	678.73	685.77	691.38	693.83	695.15	694.29	691.69	686.78
52	647.66	658.23	666.93	673.54	679.26	681.82	683.15	682.26	679.56	674.55
53	635.30	645.99	654.56	661.35	667.15	669.82	671.14	670.23	667.41	662.31
54	623.04	633.24	642.19	649.19	655.01	657.84	659.14	658.23	655.25	650.05
55	610.18	620.57	629.77	637.06	642.85	645.86	647.14	646.22	643.10	637.78
56	597.41	607.93	617.39	624.91	630.71	633.89	635.13	634.20	630.95	625.53
57	584.67	595.36	605.03	612.76	618.59	621.91	623.13	622.19	618.81	613.33
58	571.89	582.82	592.71	600.60	606.48	609.94	611.13	610.15	606.67	601.15

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CANDELA TABULATION - (Cont.)

59	558.99	570.36	580.41	588.44	594.39	597.96	599.13	598.13	594.55	589.01
60	546.22	557.90	568.09	576.27	582.31	585.99	587.12	586.10	582.43	576.89
61	533.57	545.45	555.82	564.13	570.32	574.10	575.27	574.17	570.43	564.76
62	521.01	533.02	543.60	552.12	558.39	562.23	563.42	562.27	558.50	552.72
63	508.51	520.70	531.45	540.13	546.46	550.35	551.57	550.38	546.59	540.69
64	496.09	508.47	519.33	528.17	534.55	538.47	539.72	538.48	534.69	528.71
65	483.75	496.30	507.26	516.22	522.64	526.60	527.86	526.61	522.79	516.75
66	471.43	484.15	495.24	504.28	510.73	514.72	516.02	514.73	510.91	504.82
67	459.18	472.05	483.25	492.36	498.84	502.86	504.17	502.87	499.04	492.92
68	447.00	459.99	471.28	480.46	486.96	490.99	492.31	491.01	487.17	481.04
69	434.89	447.95	459.34	468.58	475.07	479.11	480.46	479.15	475.31	469.20
70	422.84	435.97	447.43	456.67	463.21	467.24	468.61	467.30	463.46	457.30
71	410.84	424.03	435.54	445.07	451.93	456.13	457.56	456.17	452.16	445.67
72	398.89	412.34	424.40	433.99	440.87	445.07	446.50	445.09	441.08	434.51
73	387.37	401.27	413.37	422.92	429.81	434.02	435.46	434.02	429.99	423.36
74	376.28	390.24	402.35	411.88	418.78	422.97	424.40	422.94	418.92	412.23
75	365.23	379.26	391.35	400.85	407.74	411.92	413.35	411.87	407.83	401.14
76	354.24	368.32	380.36	389.86	396.71	400.87	402.30	400.80	396.77	390.05
77	343.31	357.42	369.40	378.86	385.68	389.83	391.25	389.72	385.69	379.00
78	332.45	346.55	358.45	367.90	374.66	378.78	380.19	378.66	374.63	367.96
79	321.64	335.71	347.52	356.94	363.65	367.73	369.15	367.58	363.56	356.93
80	310.88	324.91	336.60	346.01	352.65	356.69	358.09	356.51	352.49	345.92
81	300.18	314.22	326.17	335.82	342.64	346.80	348.25	346.64	342.51	335.74
82	290.22	304.54	316.42	326.03	332.82	336.96	338.39	336.82	332.72	325.98
83	280.64	294.88	306.69	316.23	322.99	327.12	328.55	327.01	322.94	316.22
84	271.09	285.24	296.98	306.46	313.18	317.28	318.70	317.18	313.15	306.48
85	261.58	275.63	287.29	296.68	303.37	307.44	308.86	307.37	303.37	296.74
86	252.10	266.04	277.62	286.91	293.55	297.60	299.00	297.54	293.60	287.02
87	242.66	256.46	267.97	277.16	283.75	287.77	289.16	287.73	283.83	277.30
88	233.25	246.93	258.32	267.40	273.94	277.93	279.31	277.91	274.06	267.59
89	223.87	237.40	248.70	257.66	264.15	268.09	269.47	268.10	264.30	257.88
90	214.52	227.88	239.08	247.92	254.35	258.26	259.61	258.29	254.54	248.19
91	206.78	220.02	231.12	239.89	246.25	250.14	251.48	250.16	246.43	240.13
92	199.05	212.17	223.16	231.86	238.17	242.02	243.34	242.02	238.32	232.07
93	191.35	204.34	215.22	223.84	230.08	233.90	235.20	233.90	230.23	224.02
94	183.67	196.53	207.28	215.83	222.00	225.78	227.07	225.77	222.13	215.97
95	176.01	188.72	199.35	207.82	213.93	217.66	218.93	217.64	214.03	207.93
96	168.38	180.94	191.44	199.83	205.85	209.54	210.79	209.51	205.93	199.90
97	160.78	173.17	183.53	191.82	197.77	201.43	202.65	201.38	197.83	191.87
98	153.18	165.40	175.64	183.83	189.70	193.31	194.52	193.26	189.75	183.86
99	146.08	157.66	167.76	175.83	181.63	185.19	186.38	185.14	181.66	175.83
100	139.99	151.30	160.80	168.37	173.79	177.14	178.24	177.07	173.81	168.35
101	133.93	145.08	154.46	161.93	167.30	170.62	171.70	170.54	167.32	161.93
102	127.87	138.88	148.14	155.51	160.81	164.10	165.17	164.03	160.83	155.51
103	121.83	132.68	141.82	149.08	154.33	157.57	158.62	157.50	154.35	149.10
104	115.79	126.48	135.51	142.66	147.84	151.05	152.09	150.99	147.87	142.69
105	109.76	120.30	129.19	136.25	141.36	144.52	145.55	144.47	141.39	136.28
106	103.74	114.11	122.88	129.83	134.88	138.00	139.01	137.94	134.92	129.87
107	97.73	107.94	116.57	123.42	128.40	131.48	132.47	131.43	128.44	123.47
108	92.55	101.78	110.26	117.02	121.93	124.95	125.93	124.90	121.96	117.07
109	88.19	96.85	104.15	110.62	115.45	118.43	119.39	118.39	115.50	110.66
110	83.84	92.35	99.53	105.28	109.45	112.03	112.85	111.99	109.49	105.32
111	79.48	87.85	94.91	100.56	104.67	107.19	108.02	107.16	104.71	100.59
112	75.13	83.35	90.29	95.85	99.88	102.35	103.17	102.34	99.92	95.87
113	70.78	78.86	85.67	91.13	95.10	97.52	98.32	97.51	95.13	91.15
114	66.43	74.36	81.06	86.42	90.31	92.69	93.48	92.68	90.33	86.43

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CANDELA TABULATION - (Cont.)

115	62.08	69.86	76.45	81.70	85.53	87.85	88.64	87.85	85.54	81.71
116	57.72	65.36	71.83	76.98	80.74	83.02	83.80	83.02	80.75	77.00
117	54.00	60.87	67.20	72.27	75.96	78.19	78.95	78.20	75.96	72.28
118	51.09	56.93	62.58	67.55	71.17	73.36	74.11	73.37	71.17	67.56
119	48.17	53.89	58.72	62.84	66.38	68.52	69.27	68.54	66.38	62.85
120	45.25	50.86	55.58	59.40	62.17	63.84	64.42	63.86	62.16	59.40
121	42.33	47.82	52.45	56.18	58.89	60.53	61.10	60.55	58.88	56.18
122	39.41	44.79	49.31	52.97	55.62	57.22	57.78	57.23	55.61	52.95
123	36.48	41.75	46.18	49.75	52.35	53.92	54.45	53.92	52.33	49.73
124	33.56	38.70	43.04	46.53	49.07	50.61	51.13	50.61	49.05	46.50
125	30.62	35.66	39.90	43.32	45.80	47.30	47.81	47.29	45.77	43.28
126	27.69	32.61	36.76	40.10	42.52	44.00	44.48	43.98	42.49	40.05
127	26.01	29.56	33.62	36.88	39.25	40.69	41.16	40.66	39.21	36.83
128	24.34	27.48	30.47	33.67	35.97	37.38	37.83	37.35	35.93	33.60
129	22.66	25.72	28.31	30.45	32.70	34.08	34.51	34.03	32.64	30.37
130	20.98	23.96	26.48	28.53	30.01	30.91	31.19	30.86	29.95	28.46
131	19.29	22.19	24.65	26.64	28.08	28.96	29.23	28.92	28.03	26.58
132	17.60	20.42	22.82	24.76	26.15	27.01	27.27	26.97	26.10	24.69
133	15.90	18.64	20.98	22.87	24.23	25.06	25.31	25.03	24.18	22.81
134	14.20	16.87	19.15	20.98	22.30	23.10	23.35	23.08	22.26	20.93
135	12.49	15.09	17.31	19.08	20.37	21.15	21.39	21.13	20.34	19.04
136	10.73	13.30	15.46	17.19	18.44	19.20	19.44	19.18	18.41	17.15
137	8.60	11.52	13.62	15.29	16.51	17.25	17.48	17.24	16.49	15.26
138	6.47	9.42	11.77	13.39	14.58	15.29	15.52	15.29	14.56	13.37
139	4.35	7.23	9.63	11.50	12.64	13.34	13.56	13.34	12.64	11.48
140	2.22	5.05	7.39	9.23	10.56	11.35	11.60	11.35	10.55	9.22
141	0.09	2.86	5.16	6.96	8.25	9.03	9.28	9.03	8.25	6.95
142	0.00	0.68	2.92	4.69	5.95	6.71	6.96	6.71	5.95	4.68
143	0.00	0.00	0.69	2.41	3.65	4.40	4.64	4.40	3.65	2.41
144	0.00	0.00	0.00	0.14	1.35	2.08	2.32	2.08	1.35	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
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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	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77
1	1036.72	1036.82	1036.82	1036.91	1037.01	1037.10	1037.20	1037.29	1037.39	1037.48
2	1035.68	1035.78	1035.97	1035.87	1035.78	1035.78	1035.78	1035.78	1035.87	1035.97
3	1034.64	1034.45	1034.26	1034.16	1034.07	1034.07	1034.07	1034.07	1034.16	1034.35
4	1033.03	1032.84	1032.55	1032.46	1032.36	1032.27	1032.27	1032.36	1032.46	1032.65
5	1031.51	1031.22	1030.94	1030.75	1030.56	1030.56	1030.56	1030.66	1030.66	1030.75
6	1029.99	1029.52	1029.23	1029.04	1028.85	1028.76	1028.66	1028.57	1028.29	1028.10
7	1028.38	1027.81	1027.53	1027.34	1027.05	1026.86	1026.20	1025.54	1025.16	1025.06
8	1026.77	1026.29	1025.91	1025.63	1025.06	1024.02	1023.16	1022.60	1022.31	1022.12
9	1025.16	1024.68	1024.30	1023.73	1022.31	1021.17	1020.32	1019.75	1019.37	1018.99
10	1023.64	1023.16	1022.79	1020.98	1019.56	1018.42	1017.48	1016.53	1015.39	1014.63
11	1021.08	1021.74	1020.32	1018.42	1016.91	1015.58	1013.97	1012.45	1011.31	1010.55
12	1016.72	1017.29	1016.43	1015.86	1014.06	1012.07	1010.08	1008.56	1007.14	1005.91
13	1012.35	1012.17	1011.31	1011.03	1010.84	1008.47	1006.48	1004.20	1002.40	1000.98
14	1007.90	1007.04	1006.29	1005.72	1004.96	1004.96	1002.02	999.55	997.56	995.67
15	1003.35	1002.02	1000.98	999.93	999.27	998.61	997.66	994.91	992.35	990.17
16	998.42	996.99	995.67	994.24	993.48	992.16	991.97	989.98	986.94	984.29
17	993.48	991.87	990.07	988.74	987.04	985.90	985.05	984.86	981.06	978.12
18	988.65	986.66	984.48	982.96	980.68	979.17	978.22	977.36	975.09	971.67
19	983.72	981.35	979.07	976.70	974.33	972.34	970.92	969.68	968.74	964.56
20	978.79	975.94	973.67	970.54	967.60	965.70	963.33	961.91	960.86	957.45
21	973.86	970.54	967.88	964.28	961.05	958.30	955.74	953.56	952.43	950.05
22	966.46	964.85	961.91	957.74	954.61	950.91	947.65	945.20	943.70	942.61
23	958.59	957.17	955.36	951.19	947.56	943.38	939.52	936.67	934.85	934.30
24	950.81	949.39	946.76	944.83	940.44	935.47	931.38	927.94	925.77	924.59
25	943.00	941.15	938.17	936.37	933.09	927.64	923.01	919.06	916.36	914.76
26	935.21	932.78	929.58	927.32	924.34	919.85	914.31	910.15	906.69	904.70
27	927.44	924.39	921.09	918.22	914.69	911.76	905.63	900.89	896.80	894.24
28	919.73	916.11	912.72	908.88	905.17	901.86	897.07	891.26	886.63	883.56
29	912.04	907.90	904.31	899.56	895.58	891.38	888.23	881.43	876.20	872.97
30	904.34	899.67	895.49	890.28	885.58	881.22	878.02	871.48	865.81	861.55
31	896.41	891.47	886.70	881.06	875.46	870.89	866.67	861.46	855.07	850.59
32	887.26	883.34	877.71	871.91	865.32	860.45	855.41	851.34	844.20	839.13
33	876.93	874.00	868.70	862.53	855.39	849.48	844.13	840.04	833.33	827.39
34	866.65	863.52	859.13	852.74	845.48	838.63	832.73	828.00	821.97	815.52
35	856.56	853.03	848.16	842.95	835.35	827.90	821.13	815.88	810.70	803.54
36	846.47	842.30	837.20	831.63	825.12	817.15	809.62	803.52	799.12	791.50
37	836.38	831.56	826.19	820.05	814.73	806.26	797.93	791.11	786.21	779.05
38	826.23	820.83	815.18	808.53	802.55	794.95	786.15	778.61	773.17	766.94
39	816.05	810.10	803.86	796.96	790.47	783.92	774.58	766.23	759.87	754.57
40	805.86	799.43	792.56	785.31	778.25	771.64	762.57	753.51	746.83	741.91
41	795.68	788.81	781.39	773.67	765.97	758.48	750.50	740.85	733.53	728.77

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CANDELA TABULATION - (Cont.)

42	785.11	778.17	770.33	761.88	753.55	745.53	738.87	728.27	720.09	714.52
43	773.40	767.27	759.38	750.16	741.32	732.71	725.02	715.56	706.59	700.14
44	761.72	755.24	748.25	738.51	729.01	719.54	711.09	702.72	693.00	685.90
45	750.09	743.13	735.83	726.89	716.71	706.34	697.55	689.97	679.21	671.67
46	738.26	731.06	723.31	714.67	704.34	693.81	683.90	676.01	665.60	657.07
47	726.48	719.01	710.84	701.60	692.08	681.14	670.26	661.54	652.05	642.65
48	714.75	706.94	698.43	688.76	679.22	667.80	656.50	647.01	638.37	628.27
49	703.05	694.93	685.99	676.07	665.71	654.67	642.87	632.59	624.65	613.85
50	691.42	682.96	673.55	663.33	652.26	641.66	629.36	618.43	609.64	599.37
51	679.82	671.12	661.18	650.49	638.91	627.86	615.82	604.11	594.61	584.77
52	668.02	659.39	648.92	637.79	625.87	614.14	602.36	589.83	579.73	570.32
53	655.57	647.49	636.76	625.07	612.86	600.31	588.33	575.69	564.67	555.94
54	643.12	634.90	624.69	612.35	599.59	586.54	574.00	561.48	549.65	541.25
55	630.64	622.01	611.63	599.71	586.41	572.92	559.89	547.36	534.75	525.46
56	618.17	609.17	598.55	586.68	573.46	559.41	545.73	533.13	520.05	509.49
57	605.72	596.38	585.55	573.35	560.70	545.90	531.69	518.33	505.35	493.94
58	593.31	583.67	572.61	560.10	547.43	532.44	517.74	503.65	490.68	478.63
59	580.95	571.03	559.76	546.90	533.75	519.11	503.91	489.08	475.99	463.27
60	568.66	558.45	547.00	533.77	520.22	505.41	490.17	474.70	460.90	447.84
61	556.43	545.91	534.33	520.73	506.77	491.62	476.60	460.45	445.88	432.56
62	544.33	533.43	521.67	507.80	493.43	477.94	462.68	446.34	431.14	417.47
63	532.30	521.17	509.03	494.94	480.20	464.38	448.47	432.37	416.44	402.49
64	520.30	509.06	496.54	482.19	467.06	450.95	434.52	418.59	401.86	387.19
65	508.25	497.01	484.20	469.58	454.03	437.68	420.75	404.50	387.44	371.90
66	496.16	484.99	471.94	457.20	441.13	424.45	407.13	390.13	373.19	356.84
67	484.12	473.03	459.75	444.86	428.49	411.32	393.69	375.98	359.08	341.98
68	472.12	461.06	447.62	432.56	416.00	398.38	380.37	362.20	344.83	327.36
69	460.14	449.05	435.57	420.34	403.62	385.68	367.21	348.61	330.67	312.97
70	448.21	437.11	423.58	408.21	391.35	373.17	354.31	335.17	316.62	298.88
71	436.31	425.19	411.61	396.17	379.17	360.83	341.67	321.94	302.79	284.72
72	425.08	413.49	399.71	384.20	367.08	348.66	329.23	309.00	289.34	270.55
73	413.95	402.31	388.20	372.30	355.09	336.61	316.93	296.37	276.17	256.63
74	402.85	391.17	377.04	360.87	343.21	324.68	304.79	283.94	263.13	242.88
75	391.77	380.06	365.96	349.77	331.78	312.87	292.82	271.64	250.52	229.52
76	380.71	368.98	354.93	338.73	320.71	301.37	281.03	259.56	238.17	216.61
77	369.68	357.96	343.92	327.76	309.73	290.31	269.37	247.69	226.09	204.24
78	358.67	346.96	332.97	316.83	298.83	279.37	258.29	236.02	214.29	192.26
79	347.69	335.99	322.06	305.96	288.02	268.57	247.39	225.09	202.73	180.59
80	336.72	325.07	311.22	295.15	277.31	257.87	236.66	214.49	191.62	169.18
81	326.26	314.28	300.41	284.42	266.68	247.27	226.14	204.09	181.19	158.08
82	316.54	304.62	290.42	273.98	256.13	236.77	215.77	193.84	171.01	147.66
83	306.84	294.98	280.84	264.48	246.39	226.49	205.58	183.77	161.01	137.68
84	297.15	285.38	271.31	255.03	237.05	217.24	195.98	173.86	151.21	127.99
85	287.48	275.81	261.82	245.65	227.79	208.08	187.00	164.82	141.64	118.57
86	277.84	266.27	252.38	236.32	218.59	199.04	178.13	156.13	133.18	109.70
87	268.20	256.75	242.96	227.05	209.46	190.08	169.37	147.60	124.94	101.87
88	258.59	247.27	233.58	217.83	200.39	181.20	160.72	139.19	116.88	94.26
89	248.98	237.79	224.24	208.65	191.39	172.40	152.17	130.93	109.00	86.86
90	239.40	228.35	214.92	199.51	182.42	163.68	143.71	122.77	101.26	79.63
91	231.39	220.43	207.13	191.86	174.92	156.37	136.61	115.95	94.79	73.60
92	223.41	212.53	199.35	184.24	167.47	149.11	129.59	109.23	88.43	67.70
93	215.44	204.65	191.60	176.66	160.06	141.92	122.65	102.60	82.18	61.93
94	207.48	196.79	183.89	169.10	152.69	134.78	115.77	96.05	76.02	56.26
95	199.52	188.94	176.19	161.58	145.36	127.68	108.95	89.56	69.94	51.67
96	191.59	181.11	168.51	154.09	138.08	120.65	102.19	83.46	65.25	47.51
97	183.66	173.29	160.86	146.63	130.82	113.64	96.24	78.49	60.67	43.40

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CANDELA TABULATION - (Cont.)

98	175.73	165.49	153.22	139.18	124.05	107.98	91.01	73.58	56.14	39.32
99	167.81	157.70	146.09	132.94	118.32	102.50	85.81	68.70	51.64	35.60
100	160.84	151.36	140.01	127.04	112.63	97.05	80.64	63.86	47.16	32.89
101	154.52	145.15	133.95	121.16	106.96	91.63	75.50	59.04	43.67	30.18
102	148.20	138.95	127.90	115.29	101.30	86.22	70.38	54.54	40.65	27.47
103	141.90	132.76	121.86	109.44	95.66	80.83	65.28	51.23	37.63	24.76
104	135.59	126.57	115.83	103.60	90.02	75.46	61.45	47.92	34.61	22.36
105	129.28	120.40	109.81	97.76	84.41	70.98	57.88	44.62	31.58	20.77
106	122.99	114.24	103.80	91.94	79.46	67.16	54.32	41.32	28.54	19.17
107	116.69	108.05	97.78	86.75	75.44	63.35	50.76	38.01	26.61	17.56
108	110.40	101.88	92.60	82.54	71.42	59.55	47.20	34.69	24.79	15.92
109	104.29	96.93	88.23	78.32	67.41	55.74	43.63	32.25	22.96	14.26
110	99.64	92.40	83.85	74.11	63.40	51.95	40.05	30.22	21.12	13.02
111	95.00	87.88	79.47	69.90	59.38	48.15	37.34	28.18	19.26	12.23
112	90.36	83.36	75.10	65.69	55.36	44.35	35.11	26.12	17.37	11.43
113	85.72	78.85	70.73	61.49	51.35	41.64	32.86	24.05	15.70	10.61
114	81.09	74.34	66.36	57.28	47.53	39.21	30.61	21.96	14.78	9.76
115	76.46	69.83	61.99	53.07	44.93	36.77	28.34	19.86	13.84	8.90
116	71.83	65.32	57.62	49.86	42.33	34.33	26.06	18.06	12.88	8.02
117	67.20	60.81	53.88	47.10	39.72	31.88	23.77	17.00	11.91	6.90
118	62.57	56.86	50.98	44.34	37.09	29.41	21.46	15.92	10.92	5.19
119	58.71	53.82	48.06	41.57	34.47	26.94	19.88	14.82	9.91	3.51
120	55.58	50.78	45.14	38.79	31.84	24.45	18.67	13.72	8.88	1.84
121	52.44	47.75	42.22	36.00	29.20	22.33	17.46	12.59	7.70	0.19
122	49.29	44.71	39.30	33.21	26.55	21.00	16.23	11.45	5.98	0.00
123	46.15	41.67	36.38	30.41	24.21	19.65	14.98	10.30	4.27	0.00
124	43.01	38.63	33.45	27.61	22.75	18.29	13.72	9.13	2.58	0.00
125	39.86	35.59	30.52	25.42	21.28	16.93	12.45	7.57	0.89	0.00
126	36.71	32.54	27.58	23.85	19.81	15.55	11.17	5.81	0.00	0.00
127	33.56	29.48	25.91	22.27	18.33	14.17	9.87	4.05	0.00	0.00
128	30.41	27.39	24.24	20.69	16.84	12.77	8.28	2.31	0.00	0.00
129	28.25	25.63	22.57	19.10	15.35	11.36	6.45	0.56	0.00	0.00
130	26.42	23.87	20.89	17.51	13.84	9.94	4.63	0.00	0.00	0.00
131	24.60	22.11	19.20	15.91	12.33	8.10	2.81	0.00	0.00	0.00
132	22.76	20.35	17.51	14.30	10.80	6.21	1.00	0.00	0.00	0.00
133	20.93	18.58	15.81	12.69	9.00	4.32	0.00	0.00	0.00	0.00
134	19.09	16.81	14.11	11.07	7.03	2.42	0.00	0.00	0.00	0.00
135	17.26	15.03	12.41	9.15	5.07	0.53	0.00	0.00	0.00	0.00
136	15.42	13.25	10.66	7.11	3.09	0.00	0.00	0.00	0.00	0.00
137	13.57	11.47	8.54	5.07	1.12	0.00	0.00	0.00	0.00	0.00
138	11.73	9.38	6.43	3.02	0.00	0.00	0.00	0.00	0.00	0.00
139	9.60	7.20	4.32	0.97	0.00	0.00	0.00	0.00	0.00	0.00
140	7.37	5.03	2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	5.14	2.85	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	2.92	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.69	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-48-L-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	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77
1	1037.58	1037.67	1037.77	1037.86	1037.96	1037.77	1037.67	1037.48	1037.29	1037.10
2	1036.06	1036.16	1036.35	1036.44	1036.63	1036.35	1036.06	1035.78	1035.49	1035.30
3	1034.45	1034.73	1034.92	1035.21	1035.49	1035.02	1034.64	1034.16	1033.79	1033.41
4	1032.84	1033.12	1033.50	1033.79	1034.16	1033.60	1032.93	1032.36	1031.89	1031.51
5	1030.85	1031.04	1031.32	1031.70	1032.17	1031.41	1030.66	1030.09	1029.52	1029.14
6	1028.00	1028.10	1028.29	1028.66	1029.23	1028.29	1027.53	1026.96	1026.48	1026.10
7	1025.06	1025.25	1025.54	1026.01	1026.67	1025.63	1024.68	1023.92	1023.26	1022.88
8	1022.22	1022.41	1022.79	1023.45	1024.21	1022.98	1021.84	1020.98	1020.23	1019.66
9	1018.52	1018.42	1018.61	1019.09	1019.85	1018.52	1017.48	1016.81	1016.43	1016.34
10	1014.25	1014.06	1014.25	1014.82	1015.58	1014.16	1013.02	1012.26	1011.79	1011.69
11	1009.89	1009.70	1009.98	1010.55	1011.60	1009.98	1008.66	1007.80	1007.23	1007.14
12	1005.15	1004.67	1004.67	1005.05	1006.00	1004.39	1003.16	1002.59	1002.40	1002.59
13	999.84	999.17	999.08	999.55	1000.50	998.70	997.47	996.80	996.71	997.18
14	994.34	993.39	993.11	993.39	994.34	992.54	991.30	990.83	990.92	991.49
15	988.46	987.42	987.23	987.80	989.03	986.94	985.52	984.76	984.86	985.61
16	982.48	981.16	980.68	980.97	982.11	979.92	978.69	978.31	978.88	979.64
17	975.94	974.23	973.48	973.67	974.90	972.72	971.58	971.20	971.77	973.29
18	968.74	966.93	966.27	966.55	967.98	965.51	964.18	963.99	964.85	966.36
19	961.62	959.54	958.40	958.40	959.73	957.36	956.31	956.31	957.36	959.54
20	953.94	951.57	950.34	950.24	951.57	949.11	947.93	948.15	949.58	951.95
21	946.25	943.47	941.84	941.59	942.76	940.38	939.40	939.73	941.36	944.38
22	938.21	935.00	933.30	933.23	934.69	931.90	930.70	931.22	933.16	936.18
23	929.78	926.28	924.15	923.60	924.77	922.22	921.40	922.15	924.46	927.84
24	921.07	917.09	914.71	914.18	915.49	912.80	911.92	912.85	915.40	917.73

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

25	912.15	907.70	904.71	903.71	904.81	902.37	901.96	903.44	906.37	907.56
26	902.78	897.62	894.70	893.81	895.01	892.15	891.58	893.43	897.03	897.42
27	893.17	888.01	884.44	883.40	884.79	881.92	881.29	882.81	887.19	886.97
28	882.70	877.31	873.90	872.76	874.02	871.07	870.67	872.82	875.84	876.07
29	871.03	867.16	863.24	861.93	863.27	860.25	859.80	861.91	864.84	864.65
30	860.03	856.47	852.02	850.40	851.73	848.64	848.53	851.28	852.96	853.67
31	848.31	845.14	840.43	838.60	839.78	836.87	836.89	839.71	841.44	842.06
32	836.14	833.87	828.77	826.80	828.04	824.99	825.21	828.54	829.00	830.56
33	824.02	822.39	816.84	814.71	816.08	813.02	813.30	816.87	816.99	818.66
34	811.75	810.45	804.49	802.07	803.35	800.38	801.10	805.18	804.55	806.69
35	799.09	797.54	791.97	789.61	791.09	788.06	788.70	792.36	791.97	794.65
36	786.31	784.38	779.44	776.58	777.65	774.93	776.27	779.40	779.18	782.40
37	773.53	771.23	766.80	763.74	764.82	761.74	763.14	766.19	766.31	769.93
38	760.62	758.05	753.97	750.50	751.69	748.51	749.84	752.32	753.31	757.56
39	747.56	744.43	740.54	736.73	737.67	734.86	736.62	738.33	739.97	744.81
40	734.34	730.38	727.01	722.97	723.84	721.08	723.26	724.56	726.23	732.10
41	720.65	716.39	713.55	709.08	709.61	707.01	709.62	710.65	712.84	718.77
42	707.05	702.39	699.90	694.86	695.76	693.01	695.76	696.42	699.31	704.43
43	693.51	688.13	685.59	680.80	681.17	678.55	681.77	682.07	685.42	690.36
44	679.56	673.52	672.16	666.49	667.20	664.28	667.44	667.61	671.53	676.07
45	665.72	659.38	657.58	651.79	652.23	649.66	653.20	653.08	657.57	661.47
46	651.80	644.57	642.83	637.15	637.41	635.03	638.53	638.29	643.73	647.02
47	637.47	629.79	627.86	622.23	622.14	620.03	623.58	623.51	629.48	632.56
48	622.31	614.94	612.55	607.14	607.45	605.07	608.12	608.64	614.02	618.08
49	606.97	600.18	596.67	591.90	591.90	589.99	592.51	593.77	598.59	603.57
50	591.58	585.09	581.10	576.75	576.81	574.87	577.26	578.54	583.10	589.13
51	576.48	569.86	565.57	561.40	561.01	559.35	561.63	563.57	567.95	574.37
52	561.14	554.74	549.92	546.00	545.18	543.71	545.67	548.49	552.34	559.68
53	545.55	539.59	534.26	530.41	530.00	528.10	529.84	533.16	537.01	545.14
54	530.20	524.29	518.15	514.40	513.46	512.06	513.84	517.90	521.69	530.40
55	515.01	508.60	501.95	498.37	497.46	496.15	497.48	502.41	506.30	514.49
56	499.70	492.41	485.78	482.53	481.44	480.27	481.37	486.21	490.89	498.79
57	484.46	476.12	469.66	466.54	464.70	464.20	465.28	469.53	475.55	483.17
58	469.04	460.03	453.54	450.31	448.51	448.01	449.07	453.34	460.35	467.62
59	453.84	443.77	437.20	434.15	432.17	431.82	432.86	437.25	445.02	452.16
60	438.05	427.71	420.97	417.90	415.33	415.54	416.61	420.97	429.11	436.78
61	421.93	411.55	404.74	401.51	398.97	399.09	400.39	404.90	412.95	421.56
62	405.82	395.57	388.37	385.11	382.41	382.71	384.04	388.88	396.98	406.45
63	389.85	379.80	372.12	368.72	365.25	366.45	367.61	372.92	380.83	391.48
64	373.89	364.08	355.99	352.04	348.45	349.86	351.57	357.06	364.97	376.16
65	358.18	348.11	339.34	334.90	331.38	332.67	334.95	341.26	349.21	360.94
66	342.72	332.27	322.65	317.91	314.73	315.51	317.90	325.60	333.54	346.02
67	327.21	315.92	305.89	300.92	297.65	298.45	301.40	309.02	318.26	331.29
68	311.99	299.59	289.13	283.88	280.52	281.48	284.62	292.69	303.01	316.77
69	296.59	283.48	272.29	266.76	264.02	264.37	267.95	276.52	287.61	302.48
70	281.33	267.59	255.97	249.57	247.17	247.15	251.53	260.54	272.50	288.43
71	266.50	251.74	240.05	232.63	230.01	230.22	235.48	244.85	257.66	274.38
72	251.90	236.31	224.25	216.07	213.45	213.72	219.59	229.42	243.10	260.06
73	237.65	221.44	208.71	199.70	196.56	197.45	203.96	214.44	228.91	246.10
74	223.76	206.40	192.93	183.50	180.10	181.21	188.19	199.46	215.03	232.53
75	209.84	191.77	177.37	167.63	163.79	165.17	172.66	184.86	201.28	219.36
76	196.31	177.61	162.21	152.08	147.81	149.48	157.40	170.84	187.92	206.54
77	183.22	163.90	147.52	136.79	131.92	133.94	142.64	157.24	174.98	194.25
78	170.58	150.66	133.21	121.02	116.04	118.47	128.30	144.03	162.45	182.47
79	158.39	137.68	119.38	106.55	101.14	103.94	114.47	131.11	150.31	170.96
80	146.77	125.25	106.51	92.82	86.60	90.11	101.54	118.72	138.73	159.70

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	135.57	113.38	94.36	79.80	72.76	77.03	89.42	106.92	127.62	148.73
82	124.81	102.34	82.83	67.26	59.69	64.39	77.95	95.94	116.97	138.51
83	114.50	92.16	71.83	55.42	47.24	52.42	66.96	85.83	106.80	128.71
84	104.99	82.55	61.73	44.75	35.17	41.57	56.83	76.30	97.44	119.18
85	95.85	73.62	52.89	35.50	24.53	32.16	48.00	67.47	88.45	109.91
86	87.07	65.32	45.08	27.66	15.57	24.11	40.18	59.31	79.81	101.20
87	79.09	57.47	38.04	20.88	8.71	17.10	33.19	51.58	71.99	93.56
88	71.99	50.69	31.68	16.14	4.36	12.13	26.89	44.94	65.07	86.14
89	65.16	44.71	26.62	12.47	2.77	8.31	21.92	39.08	58.41	78.92
90	58.57	39.04	22.24	10.09	2.75	5.90	17.63	33.51	51.96	71.87
91	53.14	34.41	18.79	8.42	0.00	4.33	14.27	29.04	46.71	66.03
92	47.89	29.96	15.73	7.28	0.00	3.44	11.34	24.74	41.61	60.33
93	42.76	26.11	13.47	6.36	0.00	2.87	9.29	21.06	36.63	54.74
94	38.44	23.07	11.52	5.69	0.00	2.56	7.57	18.24	32.51	49.24
95	34.77	20.07	10.05	5.24	0.00	2.46	6.34	15.47	29.10	44.89
96	31.15	17.72	8.74	4.56	0.00	2.23	5.27	13.35	25.72	40.99
97	27.56	15.77	7.89	0.36	0.00	0.18	4.69	11.64	22.37	37.13
98	25.08	13.81	7.02	0.00	0.00	0.00	4.06	9.90	20.13	33.30
99	22.72	12.28	6.48	0.00	0.00	0.00	3.73	8.61	18.01	29.83
100	20.36	11.19	6.06	0.00	0.00	0.00	3.50	7.76	15.88	27.36
101	17.99	10.07	5.63	0.00	0.00	0.00	3.24	6.88	13.74	24.91
102	16.48	8.92	4.53	0.00	0.00	0.00	2.60	5.96	12.48	22.45
103	15.13	8.24	2.10	0.00	0.00	0.00	1.22	5.46	11.39	19.97
104	13.76	7.72	0.00	0.00	0.00	0.00	0.00	5.09	10.26	17.82
105	12.35	7.18	0.00	0.00	0.00	0.00	0.00	4.70	9.10	16.49
106	10.92	6.61	0.00	0.00	0.00	0.00	0.00	4.29	7.91	15.14
107	10.26	6.02	0.00	0.00	0.00	0.00	0.00	3.86	7.42	13.78
108	9.61	4.25	0.00	0.00	0.00	0.00	0.00	2.74	6.92	12.40
109	8.93	2.35	0.00	0.00	0.00	0.00	0.00	1.53	6.40	10.99
110	8.23	0.51	0.00	0.00	0.00	0.00	0.00	0.34	5.86	9.95
111	7.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.30	9.34
112	6.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.71	8.69
113	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.61	8.04
114	3.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.42	7.38
115	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	6.70
116	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	5.99
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.13
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.89
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.64
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.39
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-48-L-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	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77	1037.77
1	1037.01	1036.82	1036.63	1036.54	1036.44	1036.25	1036.16	1036.06	1035.97	1035.97
2	1035.11	1034.92	1034.83	1034.73	1034.64	1034.54	1034.54	1034.35	1034.16	1034.07
3	1033.12	1032.93	1032.74	1032.55	1032.46	1032.36	1032.27	1032.27	1032.36	1032.17
4	1031.13	1030.85	1030.56	1030.37	1030.28	1030.18	1030.18	1030.18	1030.18	1030.28
5	1028.76	1028.48	1028.29	1028.10	1028.00	1027.91	1027.91	1028.00	1028.10	1028.10
6	1026.01	1025.82	1025.63	1025.63	1025.63	1025.63	1025.73	1025.82	1026.01	1026.10
7	1022.60	1022.60	1022.69	1022.98	1022.98	1023.16	1023.35	1023.54	1023.83	1024.02

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CANDELA TABULATION - (Cont.)

8	1019.37	1019.28	1019.47	1019.75	1020.32	1020.60	1020.89	1021.27	1021.65	1022.03
9	1016.24	1016.05	1016.05	1016.53	1017.19	1017.95	1018.42	1018.90	1019.37	1019.94
10	1011.98	1012.64	1013.02	1013.21	1013.97	1014.92	1015.96	1016.43	1017.10	1017.76
11	1007.33	1007.99	1009.13	1010.17	1010.65	1011.79	1013.11	1014.06	1013.68	1013.78
12	1002.87	1003.54	1004.67	1006.29	1007.71	1008.56	1008.94	1008.85	1008.56	1008.75
13	998.04	999.08	1000.31	1001.92	1004.01	1003.44	1003.16	1003.35	1003.35	1003.63
14	992.63	994.15	995.95	997.75	997.47	998.04	997.47	997.85	998.13	998.51
15	986.94	988.84	991.11	991.30	991.11	991.59	991.97	992.25	992.73	993.29
16	981.25	983.34	984.67	984.67	984.76	985.14	986.47	986.66	987.32	988.08
17	975.37	977.93	977.46	977.65	978.31	978.98	980.21	981.06	982.01	982.77
18	968.83	970.44	970.16	970.54	971.58	972.62	973.95	975.56	976.61	977.46
19	962.19	962.29	962.67	963.33	964.66	966.27	967.79	969.97	971.11	972.15
20	954.51	953.94	954.80	956.12	957.64	959.63	961.62	963.90	965.61	966.84
21	945.53	945.84	946.33	948.44	950.53	952.90	955.36	957.83	960.20	960.67
22	936.65	936.99	938.31	940.45	943.33	946.10	949.11	951.48	952.43	952.80
23	927.20	928.15	929.97	932.09	935.90	939.33	942.22	942.98	944.29	944.92
24	917.87	919.06	921.38	924.26	928.25	932.21	933.27	934.47	936.11	937.01
25	908.07	909.80	912.62	916.19	920.02	922.82	924.33	925.88	927.65	928.97
26	898.00	900.38	903.72	907.95	910.96	913.38	915.27	917.26	919.24	920.95
27	887.96	890.67	894.64	899.38	901.31	903.88	906.15	908.63	910.84	912.95
28	877.80	880.78	885.26	889.33	891.36	893.85	896.96	899.96	902.45	904.95
29	867.15	870.85	876.06	878.76	881.29	884.02	887.81	891.35	894.06	896.84
30	856.21	860.82	865.60	867.84	870.99	874.52	878.71	882.57	885.68	888.71
31	845.28	850.34	854.13	857.05	860.63	864.92	869.68	873.55	877.25	880.31
32	834.20	839.92	842.87	846.22	850.20	855.15	860.19	864.50	867.89	870.10
33	822.90	828.37	831.09	834.95	839.90	845.30	850.67	854.59	857.38	859.87
34	811.61	816.00	819.39	823.86	829.70	835.34	840.67	843.76	846.89	849.63
35	800.03	803.56	807.79	813.05	819.07	825.31	829.39	832.98	836.42	839.41
36	788.37	791.19	795.82	801.74	808.35	813.59	818.08	822.19	825.91	829.23
37	775.31	778.62	783.77	790.46	797.51	801.76	806.64	811.37	815.38	819.07
38	762.08	765.88	771.74	779.37	785.17	790.18	795.24	800.47	804.73	808.78
39	748.63	753.12	760.04	768.03	773.04	778.41	783.86	789.36	794.07	798.45
40	735.50	740.39	747.91	755.23	760.53	766.37	772.57	778.33	783.47	788.11
41	721.91	727.56	735.59	741.87	747.93	754.37	761.20	767.34	772.93	777.75
42	708.33	714.81	723.21	728.75	735.41	742.28	749.56	756.35	762.12	766.06
43	694.72	702.30	709.42	715.92	722.91	730.29	737.96	745.12	750.34	754.47
44	680.70	689.17	695.66	702.65	710.30	718.52	726.54	732.93	738.58	742.92
45	667.35	676.15	681.89	689.28	697.78	706.80	714.11	720.70	726.85	731.39
46	653.78	661.98	668.21	676.18	685.16	694.49	701.56	708.51	714.98	719.89
47	640.00	647.16	654.54	663.16	672.65	681.48	689.10	696.34	703.13	708.41
48	626.08	632.88	640.72	650.02	659.92	668.46	676.72	684.34	691.30	696.86
49	612.38	618.70	627.09	636.91	646.62	655.41	664.28	672.36	679.52	685.24
50	597.43	604.28	613.59	623.73	633.04	642.43	651.75	660.43	667.73	673.63
51	582.25	589.90	599.70	609.77	619.58	629.60	639.27	648.39	655.98	662.02
52	566.99	575.59	585.93	595.90	606.41	616.86	626.92	636.33	644.09	649.76
53	552.21	561.21	572.09	582.24	593.36	604.14	614.67	624.17	631.69	637.53
54	537.22	546.96	557.80	568.69	580.18	591.49	602.46	611.50	619.28	625.35
55	522.21	532.78	543.62	555.13	567.04	578.96	589.58	598.68	606.84	613.20
56	507.30	518.28	529.61	541.61	553.97	565.99	576.69	585.96	594.45	601.05
57	492.57	503.67	515.71	528.14	540.95	552.77	563.85	573.33	582.10	588.92
58	477.92	489.22	501.58	514.85	527.58	539.61	551.01	560.81	569.80	576.79
59	463.28	474.71	487.58	501.54	514.15	526.51	538.15	548.40	557.51	564.68
60	448.19	460.31	473.78	487.79	500.82	513.53	525.43	536.01	545.18	552.57
61	433.14	445.94	460.15	474.09	487.55	500.68	512.82	523.64	532.89	540.49
62	418.26	431.82	446.77	460.60	474.37	487.90	500.21	511.28	520.76	528.63
63	403.62	417.96	433.02	447.21	461.29	475.19	487.62	499.13	508.81	516.81

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CANDELA TABULATION - (Cont.)

64	389.18	404.19	418.97	433.80	448.22	462.53	475.25	487.14	496.90	505.00
65	374.88	390.20	405.16	420.51	435.24	449.88	463.13	475.17	485.03	493.22
66	360.73	376.13	391.64	407.32	422.37	437.54	451.09	463.24	473.21	481.47
67	346.73	362.25	378.29	394.28	410.02	425.35	439.12	451.34	461.42	469.74
68	332.52	348.45	365.02	381.49	397.82	413.29	427.21	439.48	449.65	458.02
69	318.40	334.85	351.88	369.13	385.70	401.32	415.33	427.64	437.92	446.32
70	304.53	321.51	339.05	356.88	373.61	389.43	403.52	415.88	426.21	434.63
71	290.92	308.41	326.65	344.78	361.58	377.60	391.71	404.17	414.53	423.26
72	277.46	295.51	314.36	332.67	349.65	365.83	379.96	392.71	403.59	412.43
73	264.20	282.94	302.12	320.66	337.82	354.06	368.62	381.85	392.74	401.62
74	251.27	270.61	289.95	308.79	326.10	342.76	357.71	371.02	381.92	390.82
75	238.89	258.59	277.91	297.09	314.91	331.84	346.87	360.20	371.13	380.03
76	226.76	246.74	266.04	285.88	304.10	321.00	336.10	349.42	360.36	369.25
77	214.84	235.07	254.57	275.13	293.38	310.26	325.37	338.68	349.62	358.49
78	203.18	223.53	243.93	264.49	282.76	299.59	314.70	327.97	338.92	347.72
79	191.76	212.82	233.44	253.96	272.19	288.99	304.07	317.30	328.22	336.98
80	180.79	202.44	223.10	243.46	261.67	278.46	293.48	306.67	317.55	326.24
81	170.49	192.24	212.93	233.05	251.23	268.00	282.94	296.18	307.40	316.35
82	160.36	182.23	202.90	222.74	240.87	257.84	273.25	286.82	298.00	306.89
83	150.49	172.37	192.98	212.64	231.35	248.61	263.97	277.47	288.61	297.44
84	140.82	162.68	183.61	203.62	222.26	239.43	254.73	268.16	279.23	288.00
85	131.39	153.84	174.86	194.70	213.25	230.31	245.52	258.85	269.86	278.57
86	123.24	145.36	166.20	185.90	204.31	221.24	236.36	249.58	260.51	269.15
87	115.27	136.99	157.65	177.16	195.43	212.21	227.23	240.33	251.18	259.74
88	107.47	128.76	149.19	168.52	186.63	203.23	218.14	231.10	241.85	250.34
89	99.80	120.66	140.83	159.96	177.88	194.29	209.07	221.88	232.54	240.94
90	92.28	112.65	132.55	151.46	169.19	185.38	200.03	212.69	223.25	231.55
91	86.00	106.04	125.67	144.37	161.92	177.97	192.50	205.05	215.52	223.78
92	79.84	99.53	118.86	137.34	154.71	170.59	184.99	197.43	207.81	216.00
93	73.77	93.09	112.12	130.37	147.54	163.25	177.51	189.81	200.11	208.25
94	67.79	86.74	105.46	123.43	140.41	155.94	170.05	182.23	192.42	200.48
95	61.89	80.45	98.84	116.56	133.31	148.66	162.61	174.65	184.74	192.73
96	57.49	74.56	92.27	109.72	126.26	141.40	155.18	167.08	177.07	184.99
97	53.20	69.89	86.57	102.93	119.22	134.18	147.78	159.53	169.41	177.24
98	48.95	65.27	81.62	97.56	112.70	126.97	140.39	152.00	161.75	169.50
99	44.73	60.68	76.71	92.38	107.29	121.02	133.51	144.48	154.11	161.76
100	40.52	56.11	71.83	87.23	101.89	115.42	127.74	138.44	147.43	154.57
101	37.30	51.57	66.98	82.10	96.51	109.85	121.97	132.56	141.42	148.47
102	34.53	47.34	62.14	76.98	91.16	104.28	116.22	126.67	135.42	142.36
103	31.78	44.31	57.32	71.89	85.81	98.73	110.48	120.79	129.43	136.26
104	29.01	41.27	53.78	66.80	80.48	93.19	104.75	114.91	123.43	130.18
105	26.25	38.24	50.50	62.61	75.16	87.65	99.04	109.04	117.44	124.08
106	23.47	35.21	47.22	59.10	70.51	82.13	93.33	103.17	111.46	117.99
107	21.80	32.18	43.95	55.59	66.79	77.26	87.62	97.30	105.47	111.90
108	20.25	29.15	40.68	52.08	63.08	73.37	82.75	91.44	99.49	105.83
109	18.69	26.98	37.39	48.58	59.37	69.47	78.70	86.83	93.70	99.74
110	17.11	25.22	34.10	45.08	55.66	65.58	74.65	82.64	89.39	94.72
111	15.52	23.46	31.67	41.57	51.95	61.69	70.61	78.46	85.09	90.34
112	13.90	21.68	29.72	38.06	48.24	57.81	66.56	74.28	80.79	85.95
113	12.48	19.89	27.76	35.65	44.53	53.92	62.52	70.09	76.49	81.56
114	11.74	18.08	25.80	33.52	41.02	50.03	58.47	65.91	72.19	77.17
115	10.99	16.27	23.83	31.39	38.72	46.14	54.43	61.73	67.89	72.79
116	10.22	14.71	21.85	29.24	36.42	43.25	50.38	57.54	63.60	68.40
117	9.42	13.84	19.85	27.09	34.12	40.81	46.97	53.36	59.30	64.02
118	8.61	12.95	17.83	24.94	31.81	38.36	44.38	49.74	55.00	59.63
119	7.79	12.05	16.48	22.76	29.49	35.91	41.80	47.04	51.49	55.25

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CANDELA TABULATION - (Cont.)

120	6.94	11.14	15.48	20.58	27.18	33.45	39.22	44.34	48.69	52.15
121	5.98	10.21	14.46	18.73	24.85	30.99	36.64	41.64	45.90	49.28
122	4.67	9.27	13.43	17.61	22.52	28.52	34.05	38.94	43.09	46.40
123	3.35	8.31	12.39	16.47	20.47	26.04	31.45	36.23	40.29	43.53
124	2.03	7.34	11.34	15.33	19.24	23.56	28.85	33.52	37.48	40.65
125	0.70	6.08	10.28	14.17	18.00	21.64	26.24	30.81	34.68	37.78
126	0.00	4.68	9.20	13.01	16.76	20.31	23.63	28.09	31.87	34.90
127	0.00	3.28	8.10	11.84	15.50	18.97	22.20	25.37	29.07	32.02
128	0.00	1.87	6.79	10.66	14.24	17.62	20.77	23.56	26.26	29.14
129	0.00	0.46	5.31	9.47	12.96	16.27	19.34	22.06	24.37	26.26
130	0.00	0.00	3.81	8.27	11.68	14.91	17.90	20.55	22.80	24.61
131	0.00	0.00	2.32	6.75	10.39	13.55	16.46	19.03	21.23	22.98
132	0.00	0.00	0.83	5.18	9.09	12.18	15.01	17.52	19.65	21.35
133	0.00	0.00	0.00	3.60	7.58	10.80	13.56	15.99	18.07	19.73
134	0.00	0.00	0.00	2.03	5.93	9.41	12.10	14.47	16.49	18.10
135	0.00	0.00	0.00	0.45	4.27	7.78	10.64	12.95	14.91	16.47
136	0.00	0.00	0.00	0.00	2.61	6.05	9.14	11.42	13.33	14.84
137	0.00	0.00	0.00	0.00	0.95	4.31	7.34	9.88	11.74	13.21
138	0.00	0.00	0.00	0.00	0.00	2.58	5.53	8.08	10.15	11.58
139	0.00	0.00	0.00	0.00	0.00	0.83	3.71	6.21	8.30	9.95
140	0.00	0.00	0.00	0.00	0.00	0.00	1.90	4.34	6.38	7.99
141	0.00	0.00	0.00	0.00	0.00	0.00	0.08	2.46	4.45	6.02
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	2.52	4.06
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	2.09
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-48-L-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

	350	355	360
0	1037.77	1037.77	1037.77
1	1035.87	1035.87	1035.78
2	1033.97	1033.88	1033.88
3	1032.08	1031.98	1031.98
4	1030.18	1030.09	1029.99
5	1028.19	1028.10	1028.10
6	1026.20	1026.10	1026.10
7	1024.11	1024.11	1024.21
8	1022.12	1022.22	1022.31
9	1020.13	1020.23	1020.32
10	1018.23	1018.14	1018.42
11	1013.78	1013.40	1013.49
12	1008.85	1008.47	1008.56
13	1003.82	1003.63	1003.63
14	998.89	998.70	998.70
15	993.86	993.77	993.77
16	988.93	988.84	988.84
17	984.10	984.00	983.91
18	979.07	979.07	978.98
19	973.95	974.14	974.05
20	968.83	969.21	969.11
21	961.72	961.72	961.43
22	953.75	953.94	953.75
23	945.79	946.24	946.11
24	937.85	938.50	938.46
25	929.94	930.78	930.80
26	922.06	923.04	923.14
27	914.21	915.32	915.48
28	906.38	907.60	907.83
29	898.58	899.88	900.17
30	890.81	892.17	892.51
31	881.62	882.54	882.65
32	871.58	872.70	872.80
33	861.54	862.84	862.94
34	851.46	852.97	853.09
35	841.39	843.09	843.22
36	831.30	833.20	833.37
37	821.21	823.29	823.51
38	811.19	813.33	813.65
39	801.21	803.36	803.80
40	791.24	793.40	793.93
41	780.53	782.21	782.69
42	769.21	770.88	771.43
43	757.91	759.56	760.19
44	746.61	748.24	748.93
45	735.24	736.93	737.68
46	723.79	725.62	726.43

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

CANDELA TABULATION - (Cont.)

47	712.35	714.32	715.17
48	700.92	703.03	703.93
49	689.48	691.74	692.67
50	678.07	680.46	681.42
51	666.26	668.58	669.49
52	654.16	656.65	657.57
53	642.07	644.71	645.64
54	629.99	632.77	633.72
55	617.93	620.82	621.79
56	605.88	608.88	609.86
57	593.84	596.94	597.93
58	581.83	585.02	586.00
59	569.82	573.08	574.08
60	557.84	561.15	562.15
61	546.01	549.44	550.47
62	534.28	537.74	538.80
63	522.55	526.05	527.11
64	510.83	514.36	515.43
65	499.10	502.67	503.76
66	487.36	490.97	492.08
67	475.64	479.28	480.39
68	463.92	467.58	468.72
69	452.22	455.88	457.04
70	440.52	444.19	445.36
71	429.47	433.33	434.58
72	418.67	422.54	423.80
73	407.88	411.76	413.03
74	397.09	400.98	402.25
75	386.31	390.21	391.48
76	375.53	379.43	380.70
77	364.75	368.66	369.92
78	353.97	357.89	359.15
79	343.20	347.13	348.37
80	332.44	336.36	337.60
81	322.77	326.80	328.07
82	313.28	317.29	318.54
83	303.81	307.76	309.01
84	294.34	298.24	299.48
85	284.87	288.73	289.95
86	275.41	279.21	280.42
87	265.96	269.70	270.89
88	256.50	260.18	261.36
89	247.05	250.67	251.83
90	237.60	241.16	242.30
91	229.78	233.31	234.45
92	221.96	225.47	226.59
93	214.13	217.62	218.74
94	206.32	209.79	210.89
95	198.51	201.95	203.04
96	190.69	194.11	195.19
97	182.88	186.27	187.34
98	175.07	178.42	179.49
99	167.26	170.58	171.63
100	159.70	162.81	163.78
101	153.54	156.60	157.57
102	147.38	150.41	151.36

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

CANDELA TABULATION - (Cont.)

103	141.21	144.21	145.15
104	135.06	138.01	138.94
105	128.90	131.82	132.73
106	122.74	125.62	126.53
107	116.59	119.41	120.31
108	110.42	113.22	114.10
109	104.27	107.02	107.89
110	98.60	100.94	101.68
111	94.15	96.46	97.19
112	89.70	91.97	92.68
113	85.25	87.48	88.19
114	80.80	82.99	83.69
115	76.35	78.50	79.19
116	71.90	74.01	74.69
117	67.45	69.52	70.19
118	63.00	65.03	65.69
119	58.55	60.54	61.19
120	54.67	56.20	56.69
121	51.74	53.24	53.72
122	48.81	50.28	50.75
123	45.88	47.31	47.78
124	42.95	44.35	44.81
125	40.02	41.39	41.84
126	37.09	38.43	38.87
127	34.16	35.47	35.90
128	31.23	32.50	32.93
129	28.30	29.54	29.96
130	25.92	26.72	26.99
131	24.26	25.03	25.29
132	22.60	23.35	23.60
133	20.94	21.67	21.91
134	19.28	19.99	20.22
135	17.62	18.30	18.53
136	15.96	16.62	16.84
137	14.30	14.94	15.14
138	12.64	13.25	13.45
139	10.97	11.57	11.76
140	9.17	9.85	10.07
141	7.17	7.84	8.06
142	5.17	5.83	6.04
143	3.17	3.82	4.03
144	1.17	1.80	2.01
145	0.00	0.00	0.00
146	0.00	0.00	0.00
147	0.00	0.00	0.00
148	0.00	0.00	0.00
149	0.00	0.00	0.00
150	0.00	0.00	0.00
151	0.00	0.00	0.00
152	0.00	0.00	0.00
153	0.00	0.00	0.00
154	0.00	0.00	0.00
155	0.00	0.00	0.00
156	0.00	0.00	0.00
157	0.00	0.00	0.00
158	0.00	0.00	0.00

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

CANDELA TABULATION - (Cont.)

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

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	378.15	N.A.	10.60
0-30	802.83	N.A.	22.60
0-40	1316.51	N.A.	37.00
0-60	2361.03	N.A.	66.40
0-80	3094.85	N.A.	87.10
0-90	3298.58	N.A.	92.80
10-90	3200.68	N.A.	90.00
20-40	938.36	N.A.	26.40
20-50	1477.95	N.A.	41.60
40-70	1466.5	N.A.	41.20
60-80	733.81	N.A.	20.60
70-80	311.83	N.A.	8.80
80-90	203.73	N.A.	5.70
90-110	196.79	N.A.	5.50
90-120	234.26	N.A.	6.60
90-130	250.89	N.A.	7.10
90-150	256.68	N.A.	7.20
90-180	256.68	N.A.	7.20
110-180	59.89	N.A.	1.70
0-180	3555.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.90
10-20	280.25
20-30	424.68
30-40	513.68
40-50	539.59
50-60	504.93
60-70	421.98
70-80	311.83
80-90	203.73
90-100	124.77
100-110	72.02
110-120	37.47
120-130	16.62
130-140	5.42
140-150	0.37
150-160	0.00
160-170	0.00
170-180	0.00

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

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

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

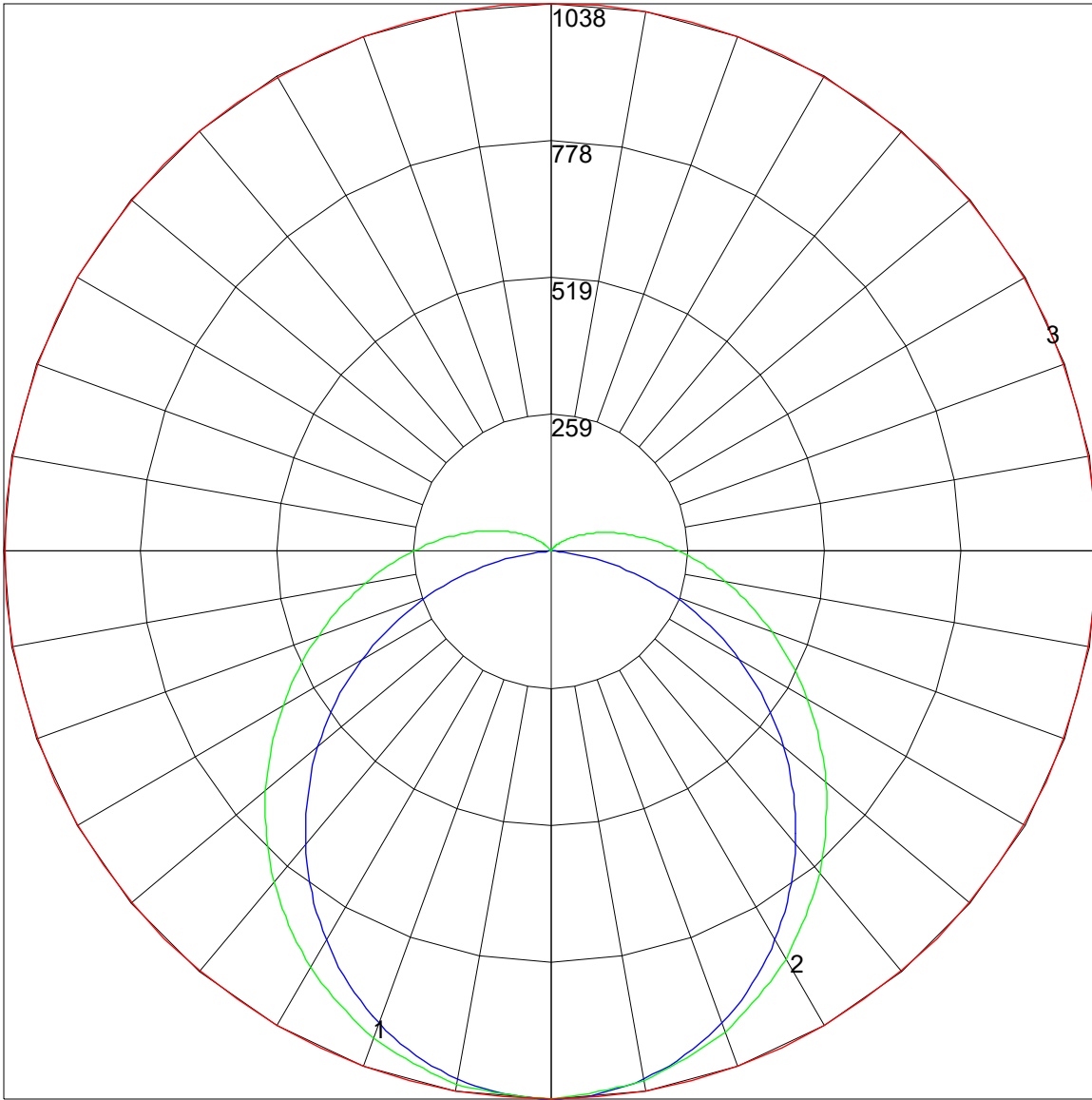
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-N-48-L-40.IES

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	17.8	19.3	18.2	19.8	20.3	17.2	18.7	17.7	19.2	19.7
	3H	20.0	21.4	20.5	21.9	22.4	18.8	20.2	19.3	20.7	21.2
	4H	21.0	22.3	21.5	22.8	23.3	19.4	20.7	19.9	21.2	21.8
	6H	21.9	23.2	22.4	23.7	24.2	19.7	21.0	20.2	21.5	22.0
	8H	22.4	23.6	22.9	24.1	24.7	19.8	21.0	20.3	21.5	22.1
	12H	22.8	24.0	23.3	24.5	25.1	19.8	21.0	20.4	21.5	22.1
4H	2H	18.3	19.7	18.8	20.2	20.7	17.9	19.2	18.4	19.7	20.3
	3H	20.8	21.9	21.3	22.5	23.0	19.8	20.9	20.3	21.5	22.0
	4H	22.0	23.0	22.5	23.6	24.1	20.5	21.5	21.0	22.1	22.7
	6H	23.1	24.1	23.7	24.6	25.2	21.0	21.9	21.5	22.5	23.1
	8H	23.7	24.5	24.2	25.1	25.7	21.1	22.0	21.7	22.5	23.2
	12H	24.2	25.0	24.8	25.6	26.2	21.2	22.0	21.7	22.5	23.2
8H	4H	22.3	23.2	22.8	23.7	24.3	21.0	21.9	21.6	22.5	23.1
	6H	23.6	24.4	24.2	25.0	25.6	21.7	22.5	22.3	23.1	23.7
	8H	24.3	25.0	24.9	25.6	26.2	22.0	22.6	22.6	23.3	23.9
	12H	25.0	25.6	25.6	26.2	26.9	22.1	22.7	22.7	23.3	24.0
12H	4H	22.3	23.1	22.9	23.7	24.3	21.2	22.0	21.8	22.6	23.2
	6H	23.7	24.4	24.3	25.0	25.7	22.0	22.6	22.6	23.2	23.9
	8H	24.5	25.1	25.1	25.7	26.4	22.3	22.9	22.9	23.5	24.2

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 1037.96 Located At Horizontal Angle = 270, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)