



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] G006468.001
[TESTLAB]
[TESTDATE] 2024-08-27
[ISSUEDATE] 2025-10-01
[MANUFAC] LAMAR LED
[LUMCAT] VANL-W-48-L-40
[LUMINAIRE] VANDAL RESISTANT SURFACE LED LUMINAIRE
[MORE]DIFFUSE PEARLESCENT EXTRUDED POLYCARBONATE HIGH EFFIECENCY LENS
[_WATTAGE] 25.8
[_LUMENS] 3507
[_EFFICACY] 135.9

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3507
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	25.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.10 ft
Luminous Width (90-270)	0.77 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3556	3063	2864
55	3527	2843	2540
65	3561	2576	2107
75	3889	2253	1445
85	6184	2142	388

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24
1	1110.13	1110.24	1110.30	1110.30	1110.30	1110.30	1110.40	1110.51	1110.62	1110.67
2	1108.08	1108.19	1108.13	1108.13	1108.19	1108.19	1108.40	1108.57	1108.67	1108.84
3	1105.97	1106.02	1105.97	1105.91	1106.08	1106.19	1106.24	1106.40	1106.51	1106.67
4	1103.86	1103.86	1103.81	1103.86	1103.97	1103.97	1103.91	1104.08	1104.18	1104.24
5	1101.75	1101.75	1101.59	1101.75	1101.64	1101.59	1101.59	1101.48	1101.48	1101.64
6	1099.69	1099.59	1099.59	1099.42	1099.26	1099.15	1098.94	1098.88	1098.72	1098.67
7	1097.59	1097.42	1097.42	1097.26	1096.94	1096.56	1096.34	1096.07	1095.85	1095.58
8	1095.48	1095.21	1095.37	1094.83	1094.45	1094.02	1093.53	1093.10	1092.72	1092.23
9	1093.37	1093.04	1092.93	1092.50	1091.91	1091.20	1090.66	1090.07	1089.36	1088.55
10	1091.26	1090.93	1090.72	1090.12	1089.36	1088.34	1087.53	1086.71	1085.58	1084.71
11	1085.47	1085.36	1085.42	1085.36	1085.42	1085.63	1084.44	1083.09	1081.85	1080.76
12	1079.68	1079.63	1079.52	1079.41	1079.36	1079.47	1079.63	1079.63	1078.01	1076.60
13	1073.90	1073.84	1073.62	1073.52	1073.41	1073.19	1073.14	1073.46	1073.84	1071.84
14	1068.11	1068.00	1067.73	1067.57	1067.08	1066.92	1066.59	1066.43	1066.76	1067.24
15	1062.32	1062.21	1061.83	1061.46	1060.97	1060.37	1060.10	1059.72	1059.56	1059.67
16	1056.48	1056.43	1055.99	1055.40	1054.75	1054.05	1053.23	1052.59	1052.26	1051.94
17	1050.69	1050.64	1050.04	1049.45	1048.58	1047.45	1046.53	1045.50	1044.58	1044.26
18	1044.90	1044.85	1044.20	1043.34	1042.15	1041.01	1039.55	1038.31	1036.90	1036.31
19	1039.12	1039.12	1038.36	1037.22	1035.76	1034.25	1032.57	1030.79	1029.22	1027.92
20	1033.33	1033.33	1032.46	1031.11	1029.49	1027.65	1025.43	1023.27	1021.43	1019.75
21	1024.41	1024.57	1024.19	1023.87	1023.05	1020.67	1018.35	1015.81	1013.26	1011.15
22	1015.48	1015.54	1015.10	1014.62	1014.18	1013.75	1011.15	1008.18	1005.21	1002.55
23	1006.61	1006.50	1006.02	1005.42	1004.72	1003.85	1003.15	1000.28	996.88	993.90
24	997.69	997.47	996.88	996.01	995.04	993.90	993.04	992.39	988.55	984.87
25	988.82	988.49	987.79	986.71	985.52	984.11	982.65	981.79	980.16	975.78
26	979.89	979.46	978.70	977.30	975.78	974.16	972.48	970.97	969.99	966.53
27	970.97	970.43	969.51	968.05	966.26	963.99	962.04	960.15	958.74	957.45
28	962.10	961.34	960.37	958.64	956.58	954.04	951.66	949.33	947.28	946.03
29	953.17	952.31	951.33	949.17	946.90	943.98	941.17	938.35	935.65	934.08
30	944.30	943.33	942.19	939.81	937.16	933.76	930.73	927.27	924.40	922.13
31	932.84	932.13	931.54	930.08	927.43	923.75	920.13	916.29	912.66	909.74
32	921.37	920.67	919.86	918.34	916.77	913.80	909.47	905.14	900.98	897.73
33	909.96	909.20	908.17	906.66	904.66	902.55	898.82	893.95	889.35	885.24
34	898.49	897.73	896.65	894.98	892.54	890.27	887.51	882.75	877.45	872.96
35	887.03	886.27	885.02	883.24	880.53	877.78	874.75	871.66	865.61	860.36
36	875.56	874.80	873.45	871.45	868.53	865.44	861.98	858.58	853.71	847.92
37	864.15	863.34	861.93	859.66	856.47	853.06	849.22	845.38	841.81	835.16
38	852.68	851.92	850.35	847.81	844.40	840.62	836.35	832.07	828.02	822.72
39	841.21	840.51	838.73	836.02	832.40	828.12	823.64	818.77	814.22	810.17
40	829.80	829.04	827.04	824.28	820.44	815.85	810.76	805.57	800.54	796.00
41	816.33	815.79	814.39	812.60	808.44	803.51	798.00	792.32	786.69	781.66
42	802.87	802.27	800.76	798.70	795.89	791.18	785.29	779.07	772.96	767.28
43	789.40	788.75	787.13	784.91	781.88	778.42	772.52	765.82	759.11	753.05
44	775.93	775.28	773.55	771.17	767.76	763.98	759.87	752.57	745.37	738.50
45	762.46	761.76	759.98	757.32	753.70	749.64	745.26	739.42	731.63	724.17
46	749.00	748.24	746.40	743.48	739.58	735.31	730.50	725.68	717.90	709.84
47	735.53	734.72	732.77	729.69	725.58	720.98	715.84	710.49	704.21	695.67
48	722.06	721.25	719.14	715.89	711.57	706.65	701.07	695.34	689.66	681.33
49	708.59	707.73	705.56	702.16	697.56	692.31	686.36	680.31	674.19	667.11
50	695.12	694.26	691.99	688.42	683.66	677.98	671.71	665.16	658.56	652.67
51	680.31	679.55	677.60	674.57	669.70	663.70	657.05	650.07	643.09	636.66
52	665.49	664.73	662.73	659.48	655.48	649.37	642.50	635.20	627.68	620.65
53	650.72	649.91	647.85	644.50	640.28	634.87	627.95	620.21	612.26	604.75

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54	635.90	635.09	632.98	629.57	625.03	619.57	613.35	605.29	596.85	588.84
55	621.08	620.27	618.05	614.59	609.88	604.20	597.71	590.41	581.60	573.05
56	606.26	605.45	603.18	599.61	594.74	588.84	582.14	575.00	566.40	557.31
57	591.49	590.63	588.36	584.63	579.60	573.54	566.67	559.15	551.20	541.63
58	576.67	575.86	573.54	569.70	564.50	558.18	551.04	543.36	535.30	526.08
59	561.85	561.04	558.66	554.72	549.47	543.03	535.54	527.51	519.19	510.61
60	547.03	546.28	543.84	539.81	534.52	527.79	520.18	511.81	503.23	494.36
61	532.00	531.24	528.81	524.83	519.46	512.61	504.84	496.22	487.25	478.14
62	516.94	516.14	513.66	509.56	504.30	497.55	489.58	480.70	471.38	461.86
63	501.88	501.02	498.48	494.32	488.98	482.17	474.22	465.27	455.57	445.75
64	486.83	485.92	483.32	479.11	473.68	466.65	458.83	449.88	439.89	429.72
65	471.77	470.82	468.18	463.94	458.37	451.24	443.27	434.37	424.27	413.86
66	456.72	455.73	453.05	448.75	443.09	435.94	427.80	418.65	408.90	398.02
67	441.66	440.66	437.94	433.56	427.85	420.63	412.33	403.08	393.14	382.44
68	426.60	425.58	422.80	418.41	412.63	405.33	396.97	387.62	377.40	366.85
69	411.54	410.50	407.66	403.28	397.44	390.06	381.66	372.17	361.85	350.97
70	396.48	395.42	392.53	388.16	382.31	374.88	366.39	356.77	346.39	335.33
71	383.16	381.98	378.74	373.71	367.17	359.66	351.15	341.49	330.95	319.78
72	369.82	368.67	365.46	360.44	353.66	344.99	336.03	326.25	315.66	304.41
73	356.50	355.36	352.18	347.18	340.40	331.76	321.83	311.09	300.43	289.13
74	343.17	342.06	338.90	333.94	327.15	318.53	308.62	297.18	285.33	273.91
75	329.84	328.75	325.63	320.67	313.93	305.42	295.47	284.09	271.43	258.82
76	316.51	315.45	312.36	307.41	300.73	292.33	282.38	271.06	258.46	244.80
77	303.18	302.15	299.09	294.16	287.56	279.21	269.31	258.10	245.64	232.11
78	289.85	288.85	285.82	280.95	274.42	266.13	256.34	245.24	232.86	219.46
79	276.52	275.55	272.56	267.75	261.29	253.10	243.45	232.45	220.20	206.94
80	263.19	262.25	259.30	254.56	248.18	240.10	230.53	219.72	207.63	194.53
81	253.31	252.23	248.93	243.62	236.44	227.38	217.66	207.01	195.13	182.21
82	243.43	242.34	239.08	233.81	226.68	217.72	207.07	195.06	182.68	170.00
83	233.55	232.45	229.23	224.00	216.95	208.08	197.55	185.65	172.49	158.21
84	223.67	222.57	219.38	214.21	207.24	198.46	188.06	176.30	163.33	149.29
85	213.78	212.68	209.54	204.42	197.54	188.87	178.61	167.00	154.23	140.45
86	203.90	202.80	199.70	194.65	187.85	179.30	169.18	157.76	145.18	131.64
87	194.02	192.91	189.86	184.88	178.18	169.75	159.79	148.56	136.19	122.89
88	184.14	183.03	180.02	175.12	168.52	160.22	150.42	139.39	127.24	114.19
89	174.26	173.15	170.19	165.37	158.87	150.70	141.08	130.25	118.35	105.56
90	164.38	163.27	160.36	155.62	149.23	141.19	131.76	121.14	109.49	96.98
91	157.89	156.80	153.94	149.27	142.97	135.08	125.79	115.35	103.92	91.67
92	151.40	150.34	147.52	142.93	136.73	128.96	119.84	109.59	98.37	86.39
93	144.91	143.88	141.11	136.59	130.50	122.87	113.91	103.85	92.85	81.15
94	138.42	137.41	134.69	130.26	124.26	116.78	107.99	98.12	87.36	75.94
95	131.93	130.96	128.28	123.92	118.04	110.71	102.08	92.42	81.89	70.76
96	125.44	124.49	121.86	117.60	111.83	104.64	96.19	86.73	76.45	65.58
97	118.96	118.03	115.45	111.27	105.62	98.58	90.31	81.05	71.02	60.43
98	112.47	111.57	109.04	104.95	99.42	92.53	84.45	75.40	66.42	57.57
99	105.98	105.11	102.63	98.63	93.22	86.48	79.48	71.89	63.68	55.01
100	99.49	98.76	96.67	93.31	88.75	83.08	76.43	68.99	60.94	52.45
101	96.03	95.31	93.25	89.95	85.47	79.91	73.39	66.11	58.21	49.90
102	92.57	91.86	89.84	86.60	82.20	76.74	70.36	63.22	55.48	47.37
103	89.11	88.41	86.43	83.25	78.93	73.58	67.32	60.34	52.78	44.84
104	85.65	84.96	83.01	79.90	75.66	70.43	64.30	57.47	50.07	42.31
105	82.19	81.51	79.60	76.55	72.40	67.27	61.28	54.60	47.37	40.47
106	78.72	78.06	76.19	73.20	69.14	64.11	58.26	51.74	45.21	39.16
107	75.26	74.61	72.77	69.85	65.88	60.97	55.24	49.41	43.79	37.85
108	71.80	71.17	69.37	66.50	62.62	57.82	52.93	47.89	42.37	36.54
109	68.34	67.72	65.95	63.15	59.53	55.76	51.33	46.38	40.96	35.24

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110	64.88	64.38	62.98	60.78	57.78	54.08	49.73	44.87	39.56	33.94
111	62.99	62.50	61.13	58.97	56.03	52.40	48.13	43.37	38.16	32.64
112	61.10	60.63	59.28	57.16	54.28	50.72	46.53	41.86	36.77	31.35
113	59.21	58.75	57.43	55.36	52.53	49.03	44.94	40.36	35.37	30.22
114	57.32	56.87	55.59	53.55	50.77	47.35	43.35	38.85	34.00	29.13
115	55.43	54.99	53.74	51.74	49.03	45.68	41.75	37.35	32.81	28.04
116	53.54	53.11	51.89	49.93	47.28	44.00	40.16	36.01	31.63	26.95
117	51.65	51.24	50.03	48.12	45.53	42.33	38.69	34.74	30.45	25.87
118	49.76	49.36	48.18	46.32	43.78	40.76	37.35	33.48	29.28	24.78
119	47.88	47.48	46.33	44.51	42.18	39.35	36.01	32.22	28.10	23.68
120	45.99	45.63	44.60	42.95	40.71	37.94	34.67	30.96	26.92	22.59
121	44.41	44.06	43.05	41.44	39.24	36.53	33.33	29.70	25.74	21.57
122	42.83	42.49	41.51	39.92	37.78	35.12	31.99	28.43	24.55	20.70
123	41.26	40.92	39.96	38.41	36.31	33.71	30.64	27.17	23.43	19.81
124	39.68	39.35	38.41	36.90	34.84	32.30	29.30	25.89	22.47	18.93
125	38.11	37.79	36.86	35.39	33.38	30.89	27.95	24.74	21.51	18.04
126	36.53	36.22	35.31	33.87	31.90	29.47	26.60	23.70	20.53	17.16
127	34.95	34.65	33.77	32.35	30.44	28.06	25.50	22.67	19.57	16.26
128	33.38	33.08	32.22	30.83	28.97	26.83	24.39	21.63	18.60	15.36
129	31.80	31.52	30.67	29.31	27.69	25.66	23.28	20.58	17.62	14.46
130	30.22	29.98	29.24	28.05	26.47	24.50	22.17	19.54	16.64	13.55
131	28.91	28.67	27.95	26.79	25.26	23.33	21.06	18.49	15.65	11.17
132	27.60	27.36	26.66	25.54	24.04	22.16	19.95	17.43	14.67	8.58
133	26.28	26.05	25.37	24.28	22.82	20.99	18.83	16.38	12.62	5.97
134	24.97	24.74	24.08	23.02	21.60	19.82	17.71	15.31	9.87	3.36
135	23.65	23.44	22.79	21.76	20.38	18.65	16.59	13.00	7.12	0.74
136	22.34	22.13	21.50	20.50	19.15	17.47	15.30	10.11	4.36	0.00
137	21.03	20.82	20.21	19.24	17.93	16.29	12.27	7.21	1.59	0.00
138	19.71	19.51	18.92	17.98	16.70	13.56	9.24	4.30	0.00	0.00
139	18.40	18.20	17.63	16.72	13.95	10.42	6.21	1.39	0.00	0.00
140	17.08	16.67	15.45	13.45	10.71	7.28	3.18	0.00	0.00	0.00
141	13.67	13.27	12.08	10.14	7.48	4.13	0.13	0.00	0.00	0.00
142	10.25	9.86	8.72	6.83	4.24	0.98	0.00	0.00	0.00	0.00
143	6.83	6.46	5.35	3.52	1.00	0.00	0.00	0.00	0.00	0.00
144	3.42	3.05	1.98	0.20	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	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24
1	1110.73	1110.84	1111.00	1111.16	1111.32	1111.54	1111.70	1111.86	1112.08	1111.92
2	1109.00	1109.21	1109.48	1109.81	1110.03	1110.30	1110.57	1110.89	1111.27	1111.00
3	1106.94	1107.21	1107.48	1107.75	1108.13	1108.46	1108.89	1109.38	1109.92	1109.48
4	1104.40	1104.67	1105.00	1105.43	1105.75	1106.29	1106.89	1107.59	1108.29	1107.70
5	1101.70	1101.91	1102.24	1102.67	1103.10	1103.64	1104.35	1105.16	1106.08	1105.37
6	1098.83	1098.88	1099.32	1099.53	1099.91	1100.56	1101.26	1102.13	1103.16	1102.35
7	1095.58	1095.53	1095.53	1095.91	1096.29	1096.99	1097.80	1098.78	1099.97	1099.05
8	1091.85	1091.74	1091.74	1091.96	1092.45	1093.04	1093.85	1094.99	1096.34	1095.26
9	1088.12	1087.85	1087.63	1087.69	1088.17	1088.72	1089.69	1090.99	1092.56	1091.31
10	1084.06	1083.47	1083.20	1083.14	1083.31	1083.96	1084.88	1086.17	1087.85	1086.55
11	1079.84	1078.93	1078.33	1078.01	1078.11	1078.55	1079.68	1081.03	1082.93	1081.47
12	1074.98	1074.00	1073.03	1072.54	1072.44	1072.87	1073.90	1075.25	1077.25	1075.73
13	1070.22	1068.54	1067.40	1066.81	1066.43	1066.70	1067.51	1068.97	1071.08	1069.46
14	1064.86	1062.92	1061.51	1060.48	1059.94	1060.00	1060.91	1062.43	1064.65	1062.92
15	1059.35	1057.18	1055.18	1053.78	1053.07	1053.02	1053.78	1055.34	1057.78	1055.94
16	1052.31	1050.96	1048.69	1046.91	1045.93	1045.72	1046.26	1047.99	1050.53	1048.58
17	1044.15	1044.58	1041.82	1039.71	1038.41	1038.04	1038.41	1040.09	1042.80	1040.74
18	1035.76	1036.14	1034.68	1032.19	1030.46	1029.81	1030.30	1031.76	1034.36	1032.41
19	1027.27	1027.22	1027.22	1024.35	1022.35	1021.38	1021.70	1023.16	1025.97	1023.87
20	1018.56	1018.13	1018.62	1016.13	1013.75	1012.56	1012.61	1014.18	1017.21	1014.89
21	1009.64	1008.77	1008.88	1007.64	1004.72	1003.37	1003.37	1004.66	1007.64	1005.42
22	1000.50	999.26	998.93	998.82	995.63	993.79	993.41	995.04	998.28	995.79
23	991.14	989.47	988.65	989.36	986.06	983.79	983.35	984.76	988.11	985.63
24	981.62	979.46	978.38	978.54	976.11	973.56	972.92	974.21	977.57	975.08
25	972.21	969.40	967.67	967.18	965.78	962.91	962.15	963.40	966.80	964.32
26	962.26	959.01	956.74	955.82	955.50	952.20	950.85	952.20	955.77	953.23
27	952.47	948.41	945.66	944.41	944.57	940.95	939.60	940.52	944.14	941.54
28	942.41	937.60	934.24	932.46	932.78	929.59	927.91	928.56	932.13	929.70
29	932.03	927.05	922.94	920.56	920.50	917.69	915.75	916.45	920.18	917.53
30	920.67	915.80	911.15	908.44	907.74	905.69	903.36	904.01	907.79	905.14
31	908.28	904.71	899.47	895.95	894.81	893.35	890.76	891.35	895.14	892.54
32	895.19	893.41	887.62	883.46	881.72	880.97	877.94	878.37	882.32	879.62
33	882.32	880.86	875.34	870.53	868.58	868.20	864.69	865.12	869.12	866.42
34	869.23	867.34	863.12	857.76	855.17	855.11	851.44	851.49	855.49	852.84
35	856.20	853.44	850.73	844.78	841.38	841.27	837.86	837.70	841.70	839.10
36	843.00	839.70	838.46	831.75	827.69	827.04	824.01	823.64	827.75	825.04

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	829.86	825.64	823.96	818.33	813.68	812.66	810.01	809.46	813.52	810.87
38	816.44	811.79	809.52	804.87	799.62	798.11	795.78	795.08	799.13	796.54
39	803.30	797.89	794.75	791.29	785.45	783.29	781.23	780.31	784.37	781.83
40	789.72	783.77	779.93	777.61	771.12	768.25	766.79	765.44	769.39	767.01
41	776.42	769.60	765.11	763.71	756.62	753.38	751.97	750.29	754.57	752.02
42	762.90	755.54	750.19	747.97	742.07	738.12	736.99	735.15	739.04	736.83
43	747.81	741.37	735.31	732.55	727.31	722.82	721.90	719.68	723.95	721.47
44	732.77	727.09	720.28	716.71	712.59	707.46	706.75	704.43	708.32	706.10
45	717.79	712.87	705.29	700.86	697.83	691.88	691.18	688.53	692.42	690.26
46	702.81	697.40	690.31	685.12	683.01	676.25	675.33	672.57	676.74	674.41
47	687.88	681.71	675.33	669.33	667.65	660.51	659.10	656.72	660.62	658.62
48	673.00	666.13	660.24	653.59	650.94	644.66	642.61	640.50	644.61	642.39
49	658.08	650.61	645.26	637.63	634.39	628.92	626.27	624.33	628.11	626.33
50	643.26	634.98	629.03	621.67	617.73	612.97	609.72	607.88	611.72	610.05
51	628.44	619.51	612.75	605.94	601.07	596.96	593.12	591.44	595.06	593.50
52	613.62	603.93	596.47	589.98	584.35	581.06	576.46	574.67	578.46	576.73
53	598.20	588.52	580.35	574.13	567.70	564.99	559.53	558.07	561.80	560.29
54	581.76	573.27	564.23	558.12	551.20	548.93	542.76	541.36	544.87	543.57
55	565.37	558.07	548.17	541.41	534.43	532.24	525.96	524.35	527.84	526.58
56	548.98	542.44	532.14	524.51	517.87	514.75	508.96	507.36	510.68	509.76
57	532.71	525.48	516.35	507.90	501.17	497.27	492.00	490.42	493.33	492.75
58	516.57	508.62	500.54	491.07	484.68	479.71	475.16	473.20	476.23	475.54
59	500.44	491.86	485.08	474.56	468.25	462.29	458.02	455.90	458.62	458.34
60	484.56	475.21	467.91	458.04	451.22	444.89	441.08	438.61	441.45	441.19
61	468.75	458.75	450.75	441.88	433.80	427.58	423.98	421.32	423.81	423.93
62	452.80	442.38	433.64	425.63	416.58	410.29	406.95	403.90	405.99	406.44
63	436.08	426.12	416.64	409.57	399.59	392.89	389.86	386.39	388.49	389.26
64	419.70	409.95	399.89	392.42	382.65	375.78	372.93	368.87	370.94	371.58
65	403.39	393.50	383.11	374.90	365.76	358.78	355.33	350.88	353.12	353.75
66	387.14	376.83	366.80	357.53	349.23	341.77	337.32	333.06	335.10	335.97
67	371.24	360.48	350.41	340.51	332.75	324.10	319.26	315.39	317.57	318.27
68	355.33	344.21	333.72	323.56	316.31	306.65	301.23	297.46	299.60	300.51
69	339.65	328.04	317.19	306.89	298.60	289.38	283.55	279.88	281.93	282.90
70	323.96	312.04	300.84	290.39	281.20	272.47	265.92	262.19	264.07	265.30
71	308.25	296.44	284.70	273.94	264.19	255.66	248.47	244.50	246.35	247.75
72	292.73	280.90	268.73	257.50	247.29	239.33	231.38	227.19	228.65	230.41
73	277.25	265.25	253.08	241.34	230.82	223.01	214.42	210.03	211.16	213.30
74	261.99	249.89	237.67	225.48	214.55	205.82	197.47	192.91	193.79	196.31
75	246.92	234.73	222.35	209.96	198.55	188.89	180.56	176.19	176.60	179.83
76	231.99	219.68	207.28	194.63	182.77	172.52	163.94	159.70	159.72	163.39
77	217.53	204.88	192.45	179.86	167.39	156.66	147.68	142.69	142.01	146.42
78	204.95	190.33	177.91	165.26	152.33	141.22	132.20	125.96	125.86	130.08
79	192.51	177.60	163.48	151.07	137.78	126.29	116.60	109.76	109.99	114.16
80	180.21	165.54	150.20	137.09	124.12	111.98	101.41	94.31	94.53	99.08
81	168.09	153.66	138.65	123.57	110.97	98.34	87.09	79.53	79.61	84.81
82	156.08	141.95	127.21	111.99	98.19	85.46	73.61	65.21	65.46	71.18
83	144.17	130.40	116.07	101.23	85.97	73.47	61.19	52.35	51.96	58.47
84	133.85	118.98	105.10	90.78	76.12	62.14	50.12	40.62	39.70	47.20
85	125.32	110.04	94.43	80.58	66.59	52.16	40.18	29.94	28.40	36.25
86	116.89	101.91	86.69	71.33	57.41	44.00	31.24	20.94	18.85	26.96
87	108.56	93.89	79.09	64.28	49.61	36.27	24.21	14.17	11.07	20.01
88	100.30	85.97	71.63	57.40	43.41	30.14	18.42	9.01	5.48	14.75
89	92.12	78.14	64.29	50.64	37.39	25.05	14.16	5.68	2.63	11.37
90	84.00	70.39	57.04	44.01	31.53	20.18	10.56	3.69	2.07	9.18
91	78.96	65.73	52.78	40.20	28.26	17.55	8.75	2.90	0.00	8.13
92	73.97	61.13	48.59	36.48	25.08	15.03	7.22	2.53	0.00	7.38

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

93	69.03	56.58	44.45	32.82	21.97	13.05	6.39	2.40	0.00	6.76
94	64.13	52.08	40.36	29.20	19.76	11.87	5.73	2.26	0.00	6.13
95	59.25	47.61	36.30	26.96	18.29	10.73	5.31	2.17	0.00	5.56
96	54.41	43.66	34.24	25.23	16.84	9.93	4.93	1.94	0.00	4.74
97	50.87	41.46	32.28	23.53	15.42	9.34	4.60	0.16	0.00	0.38
98	48.48	39.30	30.34	21.84	14.60	8.76	4.25	0.00	0.00	0.00
99	46.10	37.14	28.42	20.37	13.87	8.23	3.99	0.00	0.00	0.00
100	43.75	35.00	26.50	19.48	13.15	7.75	3.76	0.00	0.00	0.00
101	41.40	32.87	25.21	18.61	12.43	7.27	3.51	0.00	0.00	0.00
102	39.06	30.96	24.22	17.74	11.82	6.78	2.86	0.00	0.00	0.00
103	36.74	29.85	23.24	16.89	11.24	6.40	1.37	0.00	0.00	0.00
104	35.34	28.76	22.27	16.08	10.65	6.06	0.00	0.00	0.00	0.00
105	34.13	27.67	21.31	15.38	10.05	5.71	0.00	0.00	0.00	0.00
106	32.93	26.59	20.34	14.67	9.45	5.37	0.00	0.00	0.00	0.00
107	31.74	25.52	19.52	13.96	9.01	5.00	0.00	0.00	0.00	0.00
108	30.55	24.45	18.72	13.26	8.57	3.62	0.00	0.00	0.00	0.00
109	29.36	23.50	17.92	12.55	8.11	2.05	0.00	0.00	0.00	0.00
110	28.18	22.59	17.10	11.93	7.65	0.46	0.00	0.00	0.00	0.00
111	27.11	21.69	16.30	11.40	7.18	0.00	0.00	0.00	0.00	0.00
112	26.11	20.80	15.49	10.87	6.70	0.00	0.00	0.00	0.00	0.00
113	25.11	19.89	14.73	10.34	5.23	0.00	0.00	0.00	0.00	0.00
114	24.11	18.99	14.12	9.80	3.53	0.00	0.00	0.00	0.00	0.00
115	23.11	18.09	13.51	9.26	1.80	0.00	0.00	0.00	0.00	0.00
116	22.10	17.24	12.89	8.69	0.06	0.00	0.00	0.00	0.00	0.00
117	21.10	16.54	12.27	7.78	0.00	0.00	0.00	0.00	0.00	0.00
118	20.09	15.83	11.63	5.92	0.00	0.00	0.00	0.00	0.00	0.00
119	19.23	15.12	10.99	4.04	0.00	0.00	0.00	0.00	0.00	0.00
120	18.44	14.40	10.35	2.14	0.00	0.00	0.00	0.00	0.00	0.00
121	17.63	13.68	9.41	0.22	0.00	0.00	0.00	0.00	0.00	0.00
122	16.84	12.94	7.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	16.04	12.21	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	15.23	11.47	3.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	14.42	9.76	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	13.61	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	12.78	5.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	11.10	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	8.68	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	6.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	3.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

CANDELA TABULATION - (Cont.)

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

Vert. Angles **Horizontal Angles**

	100	105	110	115	120	125	130	135	140	145
0	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24
1	1111.76	1111.59	1111.49	1111.32	1111.22	1111.05	1111.00	1110.94	1110.89	1110.84
2	1110.73	1110.51	1110.30	1110.13	1109.92	1109.65	1109.48	1109.32	1109.27	1109.21
3	1109.11	1108.78	1108.51	1108.29	1108.08	1107.92	1107.70	1107.54	1107.43	1107.38
4	1107.16	1106.73	1106.29	1106.02	1105.81	1105.54	1105.43	1105.37	1105.37	1105.37
5	1104.72	1104.18	1103.81	1103.54	1103.26	1103.10	1102.99	1102.99	1102.99	1103.10
6	1101.70	1101.21	1100.78	1100.61	1100.51	1100.34	1100.40	1100.45	1100.56	1100.78
7	1098.29	1097.75	1097.26	1097.10	1097.04	1097.21	1097.48	1097.69	1098.02	1098.23
8	1094.45	1093.91	1093.58	1093.37	1093.42	1093.58	1094.02	1094.61	1095.21	1095.80
9	1090.34	1089.63	1089.42	1089.26	1089.53	1089.96	1090.45	1091.20	1092.18	1092.99
10	1085.63	1085.04	1084.77	1084.98	1085.15	1085.79	1086.71	1087.69	1088.77	1090.12
11	1080.49	1079.79	1079.68	1080.01	1080.60	1081.68	1082.60	1084.01	1085.42	1086.82
12	1074.76	1074.27	1074.27	1074.81	1075.63	1076.82	1078.38	1079.90	1081.85	1083.58
13	1068.54	1068.11	1068.38	1069.14	1070.33	1071.84	1073.68	1075.84	1077.79	1077.84
14	1061.94	1061.62	1062.05	1063.02	1064.59	1066.54	1068.81	1071.35	1071.30	1071.30
15	1054.86	1054.80	1055.24	1056.53	1058.53	1060.91	1063.67	1064.21	1064.21	1064.65
16	1047.56	1047.50	1048.37	1050.04	1052.10	1055.02	1056.80	1056.91	1057.29	1058.05
17	1039.71	1039.98	1040.90	1042.90	1045.55	1048.74	1048.91	1049.34	1050.10	1051.07
18	1031.60	1031.87	1033.06	1035.49	1038.63	1040.63	1040.69	1041.50	1042.74	1044.20
19	1023.11	1023.43	1025.05	1027.71	1031.49	1031.92	1032.74	1033.65	1035.33	1037.22

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CANDELA TABULATION - (Cont.)

20	1014.08	1014.67	1016.62	1019.65	1022.84	1023.00	1024.08	1025.54	1027.65	1030.09
21	1004.88	1005.58	1007.80	1011.43	1013.26	1013.75	1015.27	1017.48	1019.97	1022.78
22	994.98	996.12	998.99	1002.66	1003.53	1004.56	1006.45	1008.94	1012.13	1015.48
23	985.08	986.44	989.25	993.31	993.47	994.93	997.42	1000.50	1004.29	1008.02
24	974.65	976.27	979.62	982.65	983.41	985.03	988.17	991.90	995.96	1000.45
25	964.10	965.78	969.51	971.73	972.75	975.24	978.76	983.14	987.68	990.06
26	952.79	955.07	959.34	960.53	962.15	965.23	969.18	974.32	978.00	979.57
27	941.60	944.25	948.74	949.23	951.23	954.85	959.66	965.29	967.02	968.80
28	930.13	932.62	937.11	937.65	940.08	944.30	949.87	953.93	955.93	958.10
29	918.02	921.05	924.83	925.97	928.94	933.81	939.92	942.41	944.68	947.55
30	905.69	908.98	912.23	913.74	917.48	922.94	928.56	930.51	933.38	936.95
31	893.14	896.92	899.30	901.52	905.96	912.07	916.07	918.56	921.86	926.02
32	880.37	884.65	886.43	889.19	894.22	901.09	903.41	906.55	910.55	915.10
33	867.34	871.99	873.45	876.59	882.32	888.70	890.76	894.44	899.14	904.22
34	854.14	859.22	860.09	863.77	870.15	875.13	877.94	882.27	887.57	893.25
35	840.56	845.43	846.62	850.90	858.03	861.55	865.17	869.93	875.88	882.16
36	826.88	831.26	832.94	838.02	845.70	848.08	852.14	857.71	864.15	869.61
37	812.82	816.77	819.09	824.93	831.48	834.24	839.16	845.38	852.63	856.74
38	798.54	802.33	805.14	811.52	817.14	820.44	826.02	833.15	839.10	843.76
39	784.26	787.56	791.02	798.27	802.70	806.71	812.87	820.66	825.53	830.67
40	769.87	772.74	776.74	784.75	787.88	792.86	799.57	806.81	812.01	817.69
41	755.27	757.92	762.57	770.63	773.28	778.91	786.48	792.75	798.43	804.65
42	740.23	742.99	748.13	755.16	758.51	764.90	773.28	778.47	784.91	791.72
43	725.31	727.58	733.53	739.91	743.80	750.78	758.41	764.30	771.39	778.69
44	710.11	712.38	718.98	724.33	728.98	736.88	743.75	750.02	757.81	765.76
45	694.75	696.86	704.21	708.65	714.27	722.82	728.88	736.12	744.24	752.84
46	678.90	681.44	689.61	692.96	699.34	707.62	714.00	721.95	730.82	739.31
47	662.83	665.76	674.57	677.33	684.58	692.15	699.24	708.00	717.41	724.22
48	646.39	650.18	657.70	661.70	669.60	676.68	684.52	693.99	703.18	709.19
49	630.11	634.44	641.52	645.85	654.78	661.21	669.97	680.03	687.77	694.21
50	613.72	618.59	624.97	630.22	638.87	645.91	655.37	665.86	672.19	679.33
51	597.12	602.69	608.37	614.48	622.76	630.71	640.71	649.85	656.89	664.40
52	580.57	586.95	591.82	598.85	606.58	615.40	626.27	634.01	641.52	649.58
53	563.69	570.89	575.21	583.33	590.68	600.15	610.91	618.16	626.33	634.82
54	547.09	554.93	558.93	567.32	574.57	585.00	594.52	602.31	611.07	620.05
55	530.33	538.52	542.28	550.66	558.88	570.18	578.19	586.68	595.93	605.23
56	513.39	521.12	525.76	533.96	543.03	554.28	562.02	571.10	580.68	590.03
57	496.62	503.70	509.24	517.58	527.43	537.70	545.90	555.58	565.75	574.29
58	479.74	486.29	492.71	500.96	511.82	520.97	529.71	540.04	549.96	558.66
59	462.72	468.93	476.61	484.52	496.54	504.23	513.80	524.65	533.94	543.09
60	445.76	451.74	459.57	468.12	479.50	487.78	498.00	508.72	518.17	527.53
61	428.89	434.39	442.39	452.14	462.45	471.31	482.27	492.41	502.32	511.97
62	411.81	417.06	425.32	436.16	445.35	455.01	466.46	476.25	486.61	496.59
63	394.86	400.08	408.43	420.36	428.47	439.07	449.85	460.36	470.92	481.27
64	378.11	382.98	391.57	402.96	411.71	422.99	433.55	444.47	455.47	465.97
65	360.56	366.10	374.95	385.70	395.06	406.52	417.35	428.55	439.90	450.61
66	342.71	349.16	358.46	368.43	378.78	389.92	401.17	412.91	424.50	434.98
67	324.72	331.55	342.30	351.34	362.48	373.58	385.25	397.41	408.99	419.58
68	306.92	314.25	325.88	334.56	345.97	357.38	369.58	381.89	393.35	404.10
69	289.11	297.07	308.25	317.94	329.39	341.32	353.92	366.16	377.87	388.70
70	271.58	280.29	290.86	301.31	313.02	325.51	338.32	350.54	362.38	373.46
71	254.27	263.62	273.75	285.08	296.97	309.85	322.71	335.05	347.04	358.25
72	237.23	247.37	256.97	268.57	281.22	294.24	307.13	319.77	331.82	343.09
73	220.29	231.24	240.56	252.45	265.47	278.69	291.68	304.53	316.65	328.03
74	203.42	213.97	224.33	236.60	250.17	263.33	276.55	289.35	301.59	314.04
75	186.62	197.16	208.27	221.09	234.80	248.19	261.43	274.38	287.66	300.84

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CANDELA TABULATION - (Cont.)

76	170.41	180.79	192.63	205.85	219.67	233.23	246.60	260.29	274.56	287.68
77	154.33	164.93	177.39	191.03	204.79	218.42	232.15	247.38	261.59	274.65
78	139.15	149.64	162.42	176.36	190.23	203.86	219.44	234.57	248.69	261.64
79	123.68	134.67	147.82	162.11	175.83	190.99	206.86	221.89	235.86	248.69
80	108.77	120.34	133.83	148.04	162.38	178.67	194.39	209.26	223.10	235.82
81	94.60	106.75	120.51	134.42	150.56	166.53	182.05	196.77	210.45	222.95
82	81.30	93.82	107.67	122.61	138.89	154.57	169.81	184.39	197.85	210.77
83	68.85	81.68	95.40	111.62	127.45	142.78	157.66	172.38	187.27	200.95
84	57.52	70.25	85.26	100.90	116.25	131.13	146.96	162.97	177.64	191.19
85	47.33	60.05	75.45	90.45	105.33	121.82	137.92	153.65	168.08	181.46
86	38.17	51.62	65.99	80.87	97.16	113.28	129.00	144.41	158.60	171.77
87	30.87	43.62	57.87	73.37	89.11	104.85	120.19	135.22	149.16	162.12
88	24.80	37.18	51.27	66.07	81.20	96.53	111.46	126.10	139.77	152.50
89	20.26	31.77	44.87	58.90	73.41	88.29	102.82	117.03	130.43	142.91
90	16.38	26.56	38.63	51.86	65.72	80.14	94.26	108.01	121.12	133.36
91	14.32	23.69	35.08	47.74	61.13	75.08	88.85	102.30	115.15	127.17
92	12.56	20.92	31.63	43.71	56.61	70.09	83.50	96.63	109.21	121.01
93	11.48	18.69	28.24	39.73	52.15	65.15	78.19	91.00	103.31	114.88
94	10.54	17.28	25.77	35.81	47.74	60.26	72.93	85.40	97.43	108.76
95	9.83	15.89	24.06	33.32	43.35	55.40	67.69	79.83	91.57	102.66
96	9.15	14.84	22.39	31.36	41.04	51.10	62.46	74.28	85.75	96.58
97	8.50	14.00	20.74	29.42	38.84	48.65	58.62	68.74	79.94	90.49
98	7.86	13.17	19.68	27.51	36.66	46.25	56.00	65.63	75.00	84.42
99	7.31	12.40	18.71	25.81	34.50	43.86	53.38	62.83	72.00	80.64
100	6.81	11.67	17.76	24.70	32.35	41.49	50.79	60.05	69.02	77.51
101	6.31	10.94	16.80	23.62	30.85	39.13	48.21	57.27	66.06	74.37
102	5.09	10.21	15.96	22.54	29.65	36.99	45.64	54.49	63.09	71.25
103	2.38	9.60	15.15	21.47	28.45	35.65	43.08	51.72	60.14	68.13
104	0.00	9.05	14.34	20.46	27.26	34.34	41.47	48.96	57.19	65.02
105	0.00	8.49	13.52	19.55	26.09	33.03	40.04	46.89	54.24	61.91
106	0.00	7.93	12.70	18.64	24.92	31.73	38.62	45.36	51.85	58.81
107	0.00	7.36	12.07	17.73	23.90	30.44	37.20	43.84	50.21	56.23
108	0.00	5.25	11.45	16.82	22.89	29.17	35.79	42.31	48.58	54.49
109	0.00	2.93	10.82	15.90	21.89	28.00	34.39	40.78	46.95	52.76
110	0.00	0.65	10.19	15.10	20.88	26.91	32.99	39.26	45.32	51.03
111	0.00	0.00	9.55	14.40	19.88	25.81	31.71	37.75	43.69	49.29
112	0.00	0.00	8.89	13.69	18.88	24.72	30.53	36.24	42.08	47.57
113	0.00	0.00	6.89	12.99	17.92	23.63	29.33	34.90	40.46	45.84
114	0.00	0.00	4.60	12.28	17.15	22.53	28.15	33.63	38.87	44.11
115	0.00	0.00	2.33	11.55	16.37	21.44	26.96	32.35	37.50	42.38
116	0.00	0.00	0.08	10.83	15.58	20.41	25.78	31.07	36.13	40.84
117	0.00	0.00	0.00	9.66	14.79	19.55	24.59	29.79	34.76	39.39
118	0.00	0.00	0.00	7.31	14.00	18.68	23.40	28.51	33.40	37.94
119	0.00	0.00	0.00	4.96	13.20	17.80	22.36	27.23	32.03	36.49
120	0.00	0.00	0.00	2.62	12.39	16.92	21.40	25.96	30.67	35.04
121	0.00	0.00	0.00	0.27	11.24	16.04	20.45	24.76	29.30	33.59
122	0.00	0.00	0.00	0.00	8.76	15.15	19.49	23.72	27.93	32.14
123	0.00	0.00	0.00	0.00	6.28	14.26	18.52	22.67	26.62	30.69
124	0.00	0.00	0.00	0.00	3.80	13.36	17.55	21.63	25.50	29.24
125	0.00	0.00	0.00	0.00	1.32	11.35	16.58	20.58	24.38	27.91
126	0.00	0.00	0.00	0.00	0.00	8.73	15.60	19.53	23.24	26.71
127	0.00	0.00	0.00	0.00	0.00	6.11	14.62	18.47	22.11	25.50
128	0.00	0.00	0.00	0.00	0.00	3.49	12.66	17.41	20.98	24.30
129	0.00	0.00	0.00	0.00	0.00	0.85	9.89	16.35	19.84	23.09
130	0.00	0.00	0.00	0.00	0.00	0.00	7.11	15.28	18.70	21.88
131	0.00	0.00	0.00	0.00	0.00	0.00	4.33	12.57	17.55	20.66

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CANDELA TABULATION - (Cont.)

132	0.00	0.00	0.00	0.00	0.00	0.00	1.54	9.65	16.41	19.45
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.71	14.09	18.23
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.77	11.02	17.01
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	7.94	14.42
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.86	11.20
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	7.99
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.76
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>	<u>185</u>	<u>190</u>	<u>195</u>
0	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24
1	1110.78	1110.67	1110.67	1110.73	1110.73	1110.62	1110.57	1110.57	1110.57	1110.62
2	1109.11	1108.94	1108.94	1108.94	1108.89	1109.00	1108.84	1108.89	1108.94	1109.00

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CANDELA TABULATION - (Cont.)

3	1107.21	1107.21	1107.21	1107.16	1107.21	1107.27	1107.16	1107.21	1107.27	1107.32
4	1105.32	1105.37	1105.32	1105.43	1105.43	1105.48	1105.43	1105.54	1105.59	1105.54
5	1103.32	1103.37	1103.54	1103.59	1103.64	1103.75	1103.75	1103.86	1103.86	1103.81
6	1101.05	1101.32	1101.53	1101.70	1101.91	1102.02	1102.07	1102.13	1102.07	1101.97
7	1098.67	1099.15	1099.53	1099.91	1100.13	1100.29	1100.34	1100.45	1100.40	1100.13
8	1096.18	1096.83	1097.37	1097.96	1098.18	1098.56	1098.67	1098.78	1098.56	1098.29
9	1093.85	1094.50	1095.37	1095.96	1096.45	1096.83	1096.94	1097.04	1096.83	1096.45
10	1091.31	1092.12	1093.04	1093.91	1094.66	1095.10	1095.26	1095.31	1094.99	1094.50
11	1088.50	1089.80	1089.53	1089.58	1089.74	1089.80	1089.85	1090.01	1090.07	1090.18
12	1084.06	1084.06	1083.79	1084.06	1084.28	1084.39	1084.50	1084.60	1084.60	1084.50
13	1077.79	1078.11	1078.28	1078.38	1078.71	1078.98	1079.14	1079.20	1079.14	1078.87
14	1071.57	1072.11	1072.49	1072.76	1073.19	1073.57	1073.73	1073.79	1073.62	1073.25
15	1065.35	1065.89	1066.70	1067.13	1067.57	1068.11	1068.38	1068.38	1068.11	1067.62
16	1058.91	1059.89	1060.91	1061.46	1062.16	1062.59	1062.97	1062.97	1062.59	1061.94
17	1052.37	1053.61	1054.96	1055.88	1056.64	1057.24	1057.62	1057.51	1056.97	1056.26
18	1045.88	1047.45	1049.07	1050.15	1051.12	1051.88	1052.26	1052.04	1051.40	1050.42
19	1039.06	1041.17	1042.96	1044.58	1045.61	1046.53	1046.85	1046.58	1045.82	1044.80
20	1032.41	1034.84	1037.01	1038.79	1040.04	1041.12	1041.50	1041.23	1040.36	1039.01
21	1025.54	1028.52	1030.84	1032.03	1032.25	1032.74	1032.84	1032.84	1032.57	1032.03
22	1018.83	1021.59	1022.24	1023.00	1023.49	1023.97	1024.19	1024.08	1023.76	1023.16
23	1011.26	1012.02	1013.10	1014.02	1014.67	1015.32	1015.54	1015.37	1014.89	1014.35
24	1001.31	1002.55	1003.91	1005.10	1005.91	1006.61	1006.94	1006.67	1006.18	1005.37
25	991.41	992.87	994.66	996.12	997.15	997.90	998.28	998.07	997.58	996.33
26	981.24	983.35	985.41	987.09	988.33	989.20	989.63	989.36	988.71	987.36
27	971.29	973.62	976.00	978.05	979.51	980.49	980.97	980.65	979.89	978.38
28	961.12	963.94	966.59	968.97	970.75	971.89	972.37	972.00	971.13	969.45
29	950.85	954.20	957.18	959.83	961.99	963.23	963.72	963.34	962.31	960.42
30	940.63	944.41	947.87	950.79	953.07	954.58	955.07	954.74	953.55	951.28
31	930.24	934.51	938.46	941.38	942.73	943.65	943.92	943.82	943.22	942.03
32	919.96	924.72	927.97	929.92	931.43	932.46	932.78	932.62	931.81	930.62
33	909.58	913.74	916.29	918.45	920.13	921.21	921.59	921.37	920.40	919.21
34	898.55	901.57	904.50	907.04	908.82	909.96	910.44	910.17	909.20	907.52
35	886.16	889.46	892.70	895.52	897.57	898.82	899.30	898.98	897.84	895.90
36	873.56	877.34	881.02	884.00	886.27	887.67	888.16	887.78	886.48	884.27
37	860.96	865.28	869.23	872.42	874.91	876.48	877.02	876.53	875.18	872.80
38	848.35	853.22	857.44	860.90	863.61	865.34	865.82	865.34	863.82	861.17
39	835.97	841.11	845.70	849.49	852.25	854.14	854.68	854.14	852.46	849.60
40	823.36	829.04	834.02	837.97	840.89	843.00	843.54	842.94	841.05	837.91
41	810.98	816.87	822.34	826.45	828.34	829.86	830.29	829.91	828.50	826.34
42	798.38	804.81	810.11	812.82	814.93	816.55	816.98	816.60	815.14	812.76
43	785.94	792.37	796.16	799.24	801.46	803.24	803.73	803.30	801.84	799.30
44	773.50	778.09	782.26	785.61	788.15	789.89	790.43	789.94	788.26	785.72
45	759.16	763.82	768.25	771.93	774.74	776.58	777.17	776.63	774.85	772.09
46	744.56	749.70	754.46	758.35	761.33	763.33	763.92	763.33	761.49	758.62
47	730.01	735.53	740.56	744.72	747.91	749.97	750.62	750.02	748.13	745.21
48	715.52	721.36	726.77	731.15	734.50	736.66	737.37	736.72	734.77	731.63
49	700.91	707.13	712.92	717.62	721.09	723.36	724.06	723.41	721.41	718.11
50	686.36	693.07	699.02	704.05	707.62	710.11	710.81	710.05	708.05	704.54
51	671.87	678.95	685.23	690.42	693.45	695.56	696.15	695.50	693.77	690.96
52	657.59	664.89	671.16	675.60	678.74	680.90	681.49	680.85	679.01	676.09
53	643.15	650.50	656.13	660.67	663.97	666.19	666.84	666.13	664.24	661.10
54	628.65	635.30	641.09	645.80	649.26	651.53	652.18	651.48	649.42	646.12
55	613.13	620.11	626.11	630.92	634.49	636.82	637.52	636.77	634.66	631.19
56	597.71	604.85	611.07	616.05	619.78	622.16	622.86	622.11	619.89	616.27
57	582.46	589.71	596.15	601.28	605.07	607.50	608.21	607.40	605.12	601.39
58	566.94	574.62	581.16	586.46	590.36	592.79	593.50	592.68	590.30	586.46

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CANDELA TABULATION - (Cont.)

59	551.69	559.47	566.24	571.64	575.70	578.13	578.84	578.03	575.54	571.54
60	536.36	544.49	551.42	556.88	560.99	563.48	564.18	563.32	560.77	556.61
61	521.16	529.46	536.53	542.06	546.06	548.55	549.25	548.44	545.90	541.73
62	505.98	514.47	521.53	527.02	531.04	533.57	534.32	533.49	530.90	526.70
63	490.88	499.26	506.32	511.87	516.04	518.61	519.38	518.54	515.94	511.66
64	475.57	483.88	491.10	496.79	501.03	503.66	504.44	503.59	500.97	496.63
65	460.11	468.55	475.92	481.76	486.06	488.70	489.50	488.64	486.01	481.62
66	444.74	453.32	460.77	466.70	471.09	473.74	474.56	473.69	471.06	466.61
67	429.37	438.13	445.64	451.66	456.12	458.79	459.62	458.75	456.10	451.60
68	414.09	422.95	430.53	436.65	441.11	443.82	444.68	443.82	441.12	436.63
69	398.84	407.80	415.43	421.66	426.10	428.86	429.74	428.89	426.14	421.67
70	383.62	392.68	400.39	406.68	411.10	413.90	414.80	413.95	411.16	406.71
71	368.49	377.61	385.35	392.29	397.29	400.41	401.42	400.44	397.33	392.32
72	353.50	363.03	371.77	378.91	383.94	387.03	388.03	387.05	383.93	378.89
73	339.31	349.70	358.45	365.54	370.59	373.65	374.65	373.65	370.54	365.49
74	326.00	336.37	345.16	352.18	357.24	360.28	361.26	360.26	357.15	352.10
75	312.73	323.12	331.84	338.83	343.88	346.91	347.88	346.88	343.75	338.70
76	299.52	309.91	318.57	325.51	330.53	333.55	334.50	333.49	330.37	325.32
77	286.38	296.69	305.31	312.19	317.18	320.18	321.11	320.10	316.99	311.95
78	273.28	283.52	292.07	298.88	303.84	306.81	307.73	306.71	303.62	298.59
79	260.23	270.37	278.86	285.58	290.51	293.45	294.35	293.32	290.26	285.24
80	247.23	257.25	265.66	272.29	277.18	280.08	280.96	279.93	276.89	271.90
81	234.27	244.40	253.70	261.04	266.45	269.68	270.68	269.54	266.18	260.66
82	223.32	234.29	243.53	250.83	256.19	259.40	260.39	259.27	255.93	250.47
83	213.34	224.21	233.38	240.62	245.93	249.11	250.10	249.01	245.70	240.29
84	203.42	214.17	223.24	230.41	235.68	238.84	239.82	238.73	235.46	230.11
85	193.54	204.15	213.12	220.21	225.42	228.56	229.53	228.47	225.23	219.96
86	183.70	194.14	203.00	210.02	215.17	218.27	219.25	218.20	215.01	209.80
87	173.87	184.16	192.91	199.83	204.93	207.99	208.96	207.94	204.78	199.65
88	164.07	174.19	182.82	189.64	194.69	197.71	198.68	197.68	194.57	189.52
89	154.30	164.24	172.74	179.47	184.45	187.44	188.39	187.41	184.35	179.38
90	144.55	154.31	162.68	169.30	174.21	177.16	178.10	177.15	174.14	169.25
91	138.16	147.78	156.01	162.54	167.37	170.28	171.21	170.26	167.29	162.47
92	131.80	141.26	149.36	155.78	160.53	163.39	164.31	163.36	160.44	155.69
93	125.45	134.75	142.70	149.03	153.69	156.51	157.40	156.47	153.60	148.92
94	119.12	128.26	136.06	142.28	146.86	149.62	150.50	149.58	146.75	142.15
95	112.80	121.77	129.43	135.53	140.03	142.74	143.60	142.70	139.91	135.38
96	106.50	115.30	122.80	128.79	133.19	135.85	136.70	135.81	133.07	128.62
97	100.20	108.83	116.17	122.05	126.36	128.97	129.80	128.92	126.23	121.86
98	93.92	102.36	109.55	115.31	119.54	122.08	122.90	122.03	119.39	115.11
99	88.59	95.91	102.93	108.58	112.71	115.21	116.00	115.14	112.55	108.36
100	85.31	92.26	98.15	102.89	106.36	108.44	109.10	108.37	106.19	102.67
101	82.04	88.86	94.64	99.30	102.71	104.76	105.41	104.70	102.56	99.10
102	78.77	85.46	91.14	95.72	99.06	101.08	101.72	101.03	98.94	95.54
103	75.49	82.06	87.64	92.13	95.41	97.39	98.03	97.35	95.31	91.98
104	72.23	78.66	84.14	88.55	91.76	93.71	94.34	93.68	91.68	88.43
105	68.97	75.26	80.64	84.96	88.12	90.03	90.66	90.00	88.05	84.87
106	65.71	71.87	77.14	81.37	84.47	86.35	86.97	86.33	84.42	81.31
107	62.45	68.48	73.64	77.79	80.83	82.67	83.28	82.66	80.80	77.76
108	59.92	65.10	70.14	74.21	77.18	78.99	79.59	78.98	77.17	74.20
109	58.08	62.82	66.83	70.62	73.54	75.31	75.91	75.31	73.54	70.64
110	56.25	60.90	64.84	68.01	70.33	71.74	72.22	71.74	70.34	68.04
111	54.43	58.99	62.86	65.97	68.25	69.63	70.10	69.63	68.25	65.99
112	52.60	57.07	60.87	63.93	66.16	67.52	67.98	67.52	66.16	63.95
113	50.78	55.16	58.90	61.89	64.08	65.41	65.86	65.41	64.08	61.90
114	48.96	53.25	56.91	59.85	62.00	63.30	63.74	63.30	61.99	59.86

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CANDELA TABULATION - (Cont.)

115	47.13	51.35	54.93	57.81	59.92	61.19	61.62	61.19	59.90	57.81
116	45.31	49.44	52.94	55.77	57.84	59.08	59.50	59.08	57.81	55.76
117	43.62	47.53	50.96	53.73	55.75	56.98	57.38	56.98	55.73	53.71
118	42.09	45.74	48.98	51.68	53.68	54.87	55.26	54.87	53.64	51.67
119	40.56	44.14	47.16	49.64	51.59	52.76	53.14	52.76	51.55	49.62
120	39.03	42.54	45.51	47.89	49.64	50.68	51.02	50.68	49.59	47.87
121	37.51	40.94	43.86	46.19	47.90	48.92	49.26	48.92	47.86	46.16
122	35.98	39.34	42.20	44.48	46.17	47.16	47.49	47.16	46.13	44.46
123	34.45	37.74	40.54	42.78	44.43	45.40	45.73	45.40	44.39	42.76
124	32.91	36.14	38.88	41.08	42.69	43.64	43.96	43.64	42.66	41.06
125	31.38	34.55	37.23	39.37	40.95	41.89	42.20	41.88	40.92	39.36
126	29.84	32.95	35.57	37.67	39.20	40.13	40.43	40.12	39.18	37.66
127	28.57	31.34	33.91	35.96	37.46	38.37	38.67	38.36	37.45	35.96
128	27.31	29.94	32.25	34.25	35.72	36.61	36.90	36.60	35.71	34.26
129	26.03	28.61	30.79	32.55	33.98	34.85	35.13	34.84	33.98	32.55
130	24.76	27.28	29.41	31.12	32.37	33.12	33.37	33.11	32.36	31.12
131	23.48	25.95	28.02	29.70	30.91	31.65	31.89	31.64	30.91	29.69
132	22.20	24.61	26.64	28.27	29.46	30.18	30.41	30.17	29.45	28.26
133	20.92	23.27	25.26	26.84	28.00	28.70	28.93	28.69	27.99	26.83
134	19.64	21.94	23.87	25.42	26.55	27.23	27.45	27.22	26.54	25.40
135	18.36	20.60	22.49	23.99	25.09	25.75	25.97	25.75	25.08	23.97
136	16.88	19.26	21.10	22.56	23.63	24.28	24.49	24.28	23.62	22.54
137	13.54	17.92	19.71	21.14	22.18	22.81	23.01	22.81	22.17	21.11
138	10.19	14.90	18.32	19.71	20.72	21.33	21.53	21.33	20.71	19.68
139	6.85	11.45	15.28	18.28	19.26	19.86	20.05	19.86	19.26	18.25
140	3.50	7.99	11.74	14.70	16.85	18.14	18.57	18.15	16.84	14.68
141	0.15	4.53	8.19	11.09	13.18	14.44	14.85	14.44	13.17	11.07
142	0.00	1.07	4.65	7.47	9.50	10.73	11.14	10.74	9.50	7.45
143	0.00	0.00	1.10	3.84	5.83	7.03	7.43	7.03	5.83	3.84
144	0.00	0.00	0.00	0.22	2.16	3.32	3.71	3.33	2.16	0.22
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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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	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24
1	1110.67	1110.73	1110.78	1110.84	1110.94	1111.05	1111.16	1111.27	1111.32	1111.43
2	1109.05	1109.11	1109.16	1109.32	1109.38	1109.48	1109.59	1109.76	1109.86	1110.03
3	1107.32	1107.43	1107.43	1107.43	1107.54	1107.70	1107.81	1107.97	1108.19	1108.46
4	1105.54	1105.54	1105.54	1105.59	1105.59	1105.70	1105.64	1105.86	1106.13	1106.35
5	1103.70	1103.64	1103.54	1103.48	1103.37	1103.37	1103.54	1103.43	1103.59	1103.75
6	1101.80	1101.64	1101.32	1101.21	1101.10	1100.83	1100.67	1100.67	1100.78	1101.10
7	1099.91	1099.48	1099.15	1098.78	1098.40	1098.07	1097.96	1097.75	1097.75	1097.69
8	1097.91	1097.37	1096.77	1096.18	1095.69	1095.31	1094.83	1094.39	1094.18	1094.07
9	1095.75	1095.15	1094.29	1093.58	1092.77	1092.01	1091.37	1090.66	1090.28	1090.18
10	1093.64	1092.77	1091.80	1090.82	1089.69	1088.66	1087.53	1086.82	1086.12	1085.74
11	1090.18	1090.39	1089.20	1087.85	1086.44	1084.93	1083.74	1082.60	1081.58	1080.87
12	1084.44	1084.60	1084.82	1084.82	1082.82	1081.20	1079.41	1077.79	1076.60	1075.63
13	1078.71	1078.71	1078.76	1078.76	1079.25	1077.03	1074.98	1072.92	1071.41	1070.22
14	1073.03	1072.71	1072.49	1072.27	1072.49	1072.71	1070.11	1068.00	1066.00	1064.27
15	1067.13	1066.65	1066.05	1065.78	1065.51	1065.46	1065.35	1062.59	1059.89	1058.05
16	1061.18	1060.54	1059.67	1058.97	1058.43	1058.26	1058.53	1056.59	1053.88	1051.45
17	1055.40	1054.26	1053.23	1052.04	1051.12	1050.69	1050.42	1050.80	1047.45	1044.53
18	1049.39	1047.88	1046.58	1045.07	1043.88	1042.85	1042.42	1042.58	1040.47	1037.17
19	1043.34	1041.61	1039.77	1037.87	1036.31	1034.90	1034.09	1033.71	1033.44	1029.81
20	1037.22	1035.28	1032.95	1030.68	1028.57	1026.73	1025.43	1024.68	1025.11	1022.03
21	1031.06	1028.79	1025.97	1023.32	1020.78	1018.56	1016.67	1015.64	1015.64	1014.02
22	1022.40	1021.92	1019.05	1015.81	1012.78	1010.02	1007.75	1006.29	1005.91	1005.31
23	1013.32	1012.29	1011.32	1008.40	1004.88	1001.26	998.55	996.66	995.69	996.01
24	1004.23	1002.93	1001.58	1000.61	996.55	992.71	989.30	986.82	985.36	985.30
25	995.09	993.36	991.74	990.22	988.28	983.62	979.78	976.59	974.81	974.43
26	985.84	983.73	981.79	980.11	978.43	974.59	970.05	966.42	964.10	963.18
27	976.54	974.11	971.94	969.56	967.51	965.34	960.20	956.04	953.01	951.66
28	967.24	964.64	961.83	959.01	956.47	954.53	950.25	945.44	941.92	939.98
29	957.88	955.01	951.71	948.36	945.38	942.84	940.19	934.57	930.46	928.02
30	948.68	945.33	941.71	937.92	934.19	931.16	929.00	923.70	918.83	915.91
31	939.49	935.70	931.59	927.16	923.05	919.26	916.56	912.55	907.09	903.52
32	928.89	925.97	921.37	916.45	911.80	907.58	904.33	901.30	895.19	890.97
33	917.10	914.99	911.09	905.79	900.49	895.68	891.62	888.86	883.02	878.26
34	905.31	902.87	900.17	895.08	889.19	883.56	878.97	875.61	870.80	865.28
35	893.46	890.54	887.62	884.21	877.83	871.77	866.26	862.31	858.47	852.41
36	881.51	878.37	874.86	871.50	866.36	859.44	853.49	848.79	845.97	839.10
37	869.66	866.04	862.09	858.31	854.95	847.38	840.73	835.32	831.91	825.64
38	857.76	853.87	849.49	845.22	841.11	835.21	827.85	821.63	817.52	812.11
39	845.97	841.65	836.83	832.02	827.53	823.09	814.93	808.11	803.19	798.54
40	834.07	829.21	824.07	818.93	813.52	809.36	802.00	794.37	788.75	784.69
41	822.17	816.93	811.30	805.62	799.84	794.75	788.97	780.58	774.31	770.58

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CANDELA TABULATION - (Cont.)

42	809.79	804.70	798.70	792.48	786.04	780.47	775.88	766.84	759.76	755.32
43	796.05	792.10	786.04	779.07	772.25	765.92	760.84	753.11	745.10	740.07
44	782.31	777.99	773.33	765.92	758.46	751.59	745.75	739.37	730.50	724.66
45	768.52	763.92	759.06	752.67	744.83	737.15	730.66	725.58	715.95	709.24
46	754.62	749.91	744.67	738.99	730.93	722.76	715.62	710.11	701.40	693.66
47	740.94	735.91	730.23	724.06	717.30	708.38	700.53	694.37	686.69	678.30
48	727.25	721.84	715.89	709.30	702.91	694.04	685.50	678.63	672.03	662.94
49	713.57	707.78	701.40	694.48	687.55	679.82	670.46	662.83	657.37	647.42
50	699.88	693.77	687.01	679.66	672.41	665.27	655.48	647.10	641.20	631.90
51	686.15	679.82	672.68	664.94	657.16	649.53	640.55	631.52	624.70	616.32
52	672.08	666.03	658.35	650.34	641.96	633.79	625.79	615.83	608.32	601.01
53	656.94	651.69	644.17	635.74	626.87	618.16	610.26	600.26	591.87	585.44
54	641.74	636.22	629.90	621.19	611.83	602.58	594.09	584.79	575.65	569.86
55	626.54	620.81	614.16	606.69	596.85	587.06	578.03	569.43	559.47	552.66
56	611.40	605.56	598.58	591.39	581.98	571.75	561.96	553.53	543.09	535.62
57	596.31	590.20	582.95	575.54	567.21	556.45	546.12	536.94	527.05	518.63
58	581.22	574.84	567.48	559.53	551.25	541.30	530.21	520.39	511.02	501.63
59	566.13	559.58	551.90	543.68	534.98	526.05	514.50	504.07	495.10	484.84
60	551.04	544.33	536.35	527.77	518.86	509.86	498.97	487.82	478.47	468.07
61	536.02	529.09	520.89	512.00	502.69	493.35	483.45	471.59	461.43	451.54
62	520.93	513.93	505.52	496.28	486.56	476.97	467.57	455.58	444.68	435.03
63	505.88	498.75	490.20	480.74	470.71	460.60	450.72	439.78	428.02	418.78
64	490.76	483.47	474.86	465.24	454.88	444.30	434.00	424.10	411.61	401.56
65	475.65	468.22	459.49	449.74	439.20	428.30	417.51	407.38	395.32	384.42
66	460.59	453.06	444.17	434.27	423.55	412.25	401.15	390.44	379.23	367.54
67	445.55	437.93	428.97	418.84	407.89	396.32	384.71	373.65	363.43	350.62
68	430.48	422.82	413.78	403.53	392.41	380.59	368.57	357.08	346.40	334.21
69	415.45	407.77	398.58	388.30	377.07	364.95	352.72	340.67	329.54	317.93
70	400.50	392.74	383.49	373.16	361.81	349.58	336.80	324.29	312.71	301.82
71	385.55	377.77	368.53	358.08	346.60	334.21	321.37	308.29	296.24	285.35
72	371.90	363.17	353.55	343.06	331.46	319.05	306.02	292.57	279.92	268.43
73	358.49	349.71	339.37	328.12	316.51	303.98	290.83	277.14	263.86	251.79
74	345.10	336.32	325.96	314.12	301.60	289.03	275.84	262.00	248.11	235.46
75	331.71	322.95	312.58	300.73	287.66	274.27	260.91	247.09	232.89	219.49
76	318.36	309.59	299.25	287.41	274.39	260.16	246.24	232.38	218.09	203.80
77	305.01	296.26	285.97	274.18	261.16	247.01	232.01	217.89	203.61	188.87
78	291.67	282.97	272.74	261.02	248.08	234.06	219.06	203.53	189.28	174.42
79	278.36	269.73	259.57	247.91	235.10	221.16	206.26	190.56	175.23	160.33
80	265.10	256.51	246.45	234.86	222.19	208.37	193.53	178.09	161.96	146.60
81	253.13	243.57	233.37	221.83	209.36	195.69	181.09	165.83	149.93	133.23
82	243.03	233.56	222.41	209.55	196.56	183.11	168.74	153.68	138.14	121.39
83	232.92	223.57	212.47	199.79	185.98	170.95	156.52	141.73	126.51	110.39
84	222.83	213.61	202.56	190.07	176.43	161.57	145.83	129.92	115.11	99.62
85	212.75	203.66	192.69	180.39	166.94	152.30	136.86	120.62	104.03	89.12
86	202.69	193.74	182.85	170.76	157.53	143.17	128.00	112.15	95.97	79.56
87	192.64	183.84	173.04	161.16	148.16	134.10	119.25	103.79	88.07	72.22
88	182.61	173.96	163.26	151.60	138.84	125.08	110.56	95.53	80.31	65.05
89	172.59	164.10	153.51	142.08	129.57	116.11	101.96	87.37	72.67	58.06
90	162.58	154.26	143.78	132.58	120.33	107.19	93.42	79.29	65.13	51.20
91	155.89	147.68	137.43	126.41	114.38	101.50	88.02	74.25	60.50	47.06
92	149.20	141.12	131.09	120.27	108.46	95.84	82.68	69.27	55.93	43.00
93	142.53	134.57	124.77	114.14	102.58	90.22	77.38	64.35	51.43	39.01
94	135.87	128.04	118.48	108.05	96.71	84.64	72.11	59.46	46.97	35.07
95	129.21	121.51	112.19	101.98	90.88	79.08	66.88	54.61	42.55	32.65
96	122.56	114.99	105.92	95.91	85.06	73.54	61.68	50.34	40.35	30.80
97	115.91	108.49	99.66	89.87	79.26	68.03	57.90	48.00	38.26	28.98

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CANDELA TABULATION - (Cont.)

98	109.27	101.98	93.40	83.83	74.36	65.00	55.37	45.70	36.20	27.16
99	102.62	95.49	88.10	80.10	71.45	62.29	52.85	43.41	34.17	25.54
100	97.85	91.88	84.88	77.03	68.55	59.58	50.35	41.14	32.13	24.41
101	94.39	88.52	81.66	73.97	65.66	56.88	47.88	38.87	30.63	23.30
102	90.91	85.17	78.44	70.92	62.78	54.20	45.40	36.80	29.40	22.19
103	87.45	81.82	75.23	67.87	59.91	51.52	42.94	35.45	28.18	21.11
104	83.99	78.47	72.02	64.83	57.05	48.85	41.31	34.12	26.97	20.07
105	80.52	75.13	68.82	61.78	54.17	46.81	39.86	32.79	25.76	19.18
106	77.06	71.79	65.62	58.75	51.81	45.25	38.42	31.47	24.56	18.30
107	73.60	68.46	62.42	56.22	50.15	43.70	36.99	30.16	23.56	17.42
108	70.14	65.12	59.90	54.47	48.50	42.16	35.56	28.86	22.59	16.54
109	66.85	62.82	58.07	52.72	46.85	40.62	34.14	27.71	21.61	15.66
110	64.86	60.90	56.23	50.97	45.21	39.09	32.72	26.63	20.64	14.86
111	62.87	58.98	54.40	49.23	43.57	37.56	31.46	25.56	19.66	14.14
112	60.88	57.06	52.56	47.49	41.93	36.03	30.29	24.49	18.69	13.44
113	58.90	55.14	50.72	45.75	40.30	34.71	29.13	23.43	17.77	12.72
114	56.90	53.22	48.89	44.02	38.70	33.45	27.97	22.36	16.97	12.00
115	54.91	51.30	47.06	42.27	37.35	32.19	26.80	21.28	16.17	11.28
116	52.92	49.38	45.23	40.75	36.00	30.93	25.64	20.28	15.37	10.55
117	50.93	47.46	43.53	39.30	34.65	29.67	24.48	19.40	14.56	9.40
118	48.94	45.67	42.01	37.86	33.29	28.41	23.30	18.51	13.76	7.11
119	47.12	44.07	40.48	36.41	31.94	27.15	22.27	17.63	12.95	4.83
120	45.48	42.49	38.96	34.97	30.59	25.88	21.30	16.74	12.13	2.55
121	43.83	40.90	37.44	33.52	29.22	24.68	20.33	15.85	10.97	0.26
122	42.18	39.31	35.92	32.08	27.86	23.63	19.36	14.95	8.56	0.00
123	40.53	37.71	34.39	30.64	26.56	22.57	18.39	14.05	6.15	0.00
124	38.88	36.11	32.87	29.20	25.43	21.52	17.41	13.15	3.72	0.00
125	37.23	34.52	31.35	27.86	24.30	20.46	16.42	11.17	1.29	0.00
126	35.57	32.93	29.82	26.65	23.16	19.40	15.43	8.60	0.00	0.00
127	33.91	31.34	28.54	25.44	22.02	18.33	14.44	6.02	0.00	0.00
128	32.26	29.94	27.27	24.23	20.88	17.26	12.50	3.43	0.00	0.00
129	30.80	28.60	25.98	23.02	19.73	16.19	9.77	0.84	0.00	0.00
130	29.41	27.26	24.71	21.80	18.58	15.11	7.02	0.00	0.00	0.00
131	28.02	25.92	23.42	20.58	17.44	12.44	4.28	0.00	0.00	0.00
132	26.63	24.58	22.14	19.36	16.28	9.55	1.52	0.00	0.00	0.00
133	25.24	23.24	20.85	18.13	13.98	6.65	0.00	0.00	0.00	0.00
134	23.85	21.90	19.57	16.91	10.94	3.74	0.00	0.00	0.00	0.00
135	22.46	20.55	18.28	14.33	7.88	0.82	0.00	0.00	0.00	0.00
136	21.07	19.20	16.80	11.14	4.82	0.00	0.00	0.00	0.00	0.00
137	19.67	17.86	13.47	7.94	1.75	0.00	0.00	0.00	0.00	0.00
138	18.28	14.85	10.15	4.74	0.00	0.00	0.00	0.00	0.00	0.00
139	15.25	11.41	6.82	1.53	0.00	0.00	0.00	0.00	0.00	0.00
140	11.71	7.97	3.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	8.18	4.52	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	4.64	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	1.09	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-W-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. Angles **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	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24
1	1111.54	1111.70	1111.81	1111.97	1112.08	1111.92	1111.76	1111.59	1111.43	1111.27
2	1110.30	1110.57	1110.84	1111.11	1111.38	1111.00	1110.67	1110.35	1109.97	1109.70
3	1108.73	1108.94	1109.27	1109.65	1110.03	1109.54	1109.05	1108.67	1108.29	1107.92
4	1106.83	1107.16	1107.54	1107.97	1108.51	1107.86	1107.27	1106.73	1106.24	1105.64
5	1104.02	1104.45	1104.94	1105.54	1106.24	1105.37	1104.62	1103.97	1103.37	1102.89
6	1101.32	1101.59	1102.18	1102.94	1103.75	1102.72	1101.80	1100.99	1100.45	1100.07
7	1097.96	1098.23	1098.88	1099.69	1100.67	1099.42	1098.34	1097.48	1096.94	1096.45
8	1094.07	1094.50	1095.10	1095.96	1097.04	1095.69	1094.56	1093.64	1092.99	1092.66
9	1090.12	1090.28	1090.88	1091.91	1093.10	1091.58	1090.23	1089.36	1088.93	1088.61
10	1085.47	1085.69	1086.12	1087.04	1088.34	1086.71	1085.47	1084.71	1084.12	1084.06
11	1080.44	1080.44	1080.87	1081.85	1083.20	1081.47	1080.17	1079.41	1079.03	1079.09
12	1075.09	1075.03	1075.46	1076.33	1077.74	1075.90	1074.60	1073.84	1073.52	1073.73
13	1069.46	1069.08	1069.24	1070.11	1071.62	1069.68	1068.38	1067.73	1067.68	1068.05
14	1063.08	1062.59	1062.86	1063.67	1065.24	1063.24	1061.89	1061.24	1061.24	1062.00
15	1056.64	1055.88	1055.99	1056.64	1058.21	1056.15	1054.96	1054.26	1054.64	1055.56
16	1049.66	1048.74	1048.74	1049.45	1051.12	1048.96	1047.77	1047.23	1047.61	1048.69
17	1042.47	1041.28	1041.01	1041.66	1043.34	1041.12	1039.87	1039.66	1040.31	1041.82
18	1034.90	1033.33	1033.01	1033.65	1035.44	1033.06	1031.82	1031.60	1032.52	1034.41
19	1027.06	1025.22	1024.46	1025.05	1026.84	1024.35	1023.16	1023.32	1024.57	1026.73
20	1018.73	1016.51	1015.54	1015.81	1017.70	1015.16	1014.13	1014.40	1015.97	1018.78
21	1010.02	1007.31	1006.39	1006.61	1008.45	1005.91	1004.93	1005.21	1007.10	1010.40
22	1001.09	998.07	996.61	996.82	998.77	996.06	995.14	995.85	998.12	1001.53
23	991.79	988.55	986.82	986.82	988.71	986.00	985.25	986.22	988.71	992.17
24	982.33	978.43	976.38	976.32	978.22	975.46	974.75	976.00	979.19	981.46

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

25	972.43	968.10	965.78	965.40	967.29	964.48	964.04	965.45	968.91	970.43
26	962.26	957.45	954.74	954.15	956.04	953.28	953.01	954.69	958.53	958.74
27	951.82	946.47	943.44	942.79	944.57	941.87	941.54	943.87	947.93	947.12
28	940.03	935.38	931.81	931.00	932.84	930.02	930.02	932.46	936.41	935.22
29	927.75	923.91	920.07	918.88	920.67	917.96	918.13	920.88	923.86	923.37
30	915.26	912.12	907.90	906.60	908.28	905.52	905.90	909.15	911.15	910.99
31	902.33	900.17	895.41	893.95	895.90	892.87	893.25	896.87	898.28	898.49
32	889.30	887.84	882.91	881.08	882.70	879.99	880.59	884.48	884.92	885.89
33	876.05	875.29	869.83	867.72	869.39	866.58	867.50	871.93	871.61	873.02
34	862.52	862.52	856.52	854.36	855.93	853.11	854.19	859.12	858.09	859.82
35	848.84	848.79	843.16	840.51	842.13	839.32	840.78	845.11	844.35	846.73
36	835.05	834.56	829.64	826.66	828.02	825.47	827.10	830.88	830.29	833.26
37	821.09	820.07	815.63	812.44	813.79	811.20	813.20	816.44	816.17	819.74
38	807.03	805.46	801.68	797.89	799.13	796.65	799.08	801.73	802.11	806.17
39	792.59	790.70	787.23	783.45	784.53	782.15	784.64	786.86	787.67	792.32
40	778.20	775.66	772.90	768.57	769.55	767.22	770.20	771.55	773.06	778.53
41	763.71	760.52	758.41	753.59	754.51	752.24	755.59	756.51	758.46	764.19
42	748.94	745.32	743.42	738.34	739.10	736.99	740.61	741.15	743.75	748.83
43	734.23	729.79	728.55	723.25	723.95	721.68	725.79	725.58	728.77	733.36
44	719.25	714.38	713.57	707.67	708.21	706.16	710.59	710.00	713.68	717.95
45	704.27	698.80	698.37	691.99	692.31	690.42	695.29	694.31	698.53	702.37
46	689.45	682.96	682.25	676.30	676.74	674.73	679.33	678.36	683.50	686.74
47	673.92	667.05	666.13	660.29	660.18	658.72	663.11	662.40	667.76	671.06
48	657.70	651.26	649.64	644.07	644.07	642.50	646.34	646.39	651.48	655.48
49	641.58	635.20	632.92	627.89	627.46	626.38	629.63	630.27	634.98	639.96
50	624.97	619.02	616.27	611.61	610.91	609.83	612.97	614.10	618.48	624.22
51	608.64	602.91	599.39	595.06	594.47	593.33	595.98	597.98	602.10	608.64
52	592.31	586.63	582.57	578.57	577.76	576.73	579.05	581.54	585.71	593.23
53	575.92	570.29	565.59	561.96	560.99	560.12	562.07	565.10	569.26	577.54
54	559.53	554.12	548.77	545.20	543.74	543.30	545.03	548.71	552.71	561.75
55	543.19	537.58	531.65	528.39	526.83	526.52	527.87	532.15	536.26	544.44
56	527.03	520.37	514.49	511.45	509.59	509.53	510.74	514.65	519.96	527.28
57	510.75	503.12	497.29	494.27	492.49	492.36	493.47	497.35	503.70	510.12
58	494.64	485.92	479.97	477.33	474.79	475.30	476.12	480.21	487.50	493.18
59	478.53	468.73	462.77	460.12	457.63	458.09	458.79	462.95	471.23	476.18
60	461.39	451.53	445.56	442.87	439.84	440.76	441.39	445.83	454.05	459.51
61	443.71	434.55	428.25	425.79	422.44	423.49	424.09	428.58	436.21	442.73
62	426.18	417.64	410.88	408.34	404.62	405.88	406.72	411.50	418.62	426.17
63	408.69	400.62	393.67	390.95	386.92	388.58	389.30	394.43	401.23	409.65
64	391.53	383.93	376.39	373.45	369.11	371.01	371.89	377.63	383.81	392.58
65	374.36	367.15	358.80	355.35	351.32	352.93	354.29	360.69	366.59	375.35
66	357.39	350.35	341.01	337.22	333.49	334.72	336.48	343.87	349.59	358.31
67	340.59	332.28	323.30	319.05	315.66	316.52	318.58	325.88	332.76	341.46
68	323.84	314.42	305.63	300.95	297.35	298.44	301.05	307.93	315.88	324.88
69	306.49	296.81	288.09	282.86	279.70	280.33	283.38	290.33	298.50	308.45
70	289.41	279.39	270.81	265.07	261.97	262.29	266.03	272.83	281.37	292.35
71	272.67	262.31	253.80	247.22	243.95	244.59	248.90	255.73	264.58	275.84
72	256.27	245.31	236.98	229.38	226.33	226.71	232.08	238.75	248.14	258.87
73	240.28	228.72	220.52	211.78	208.63	209.06	215.48	222.10	232.03	242.36
74	224.55	211.84	203.14	194.59	191.20	191.79	198.09	205.05	216.23	226.05
75	207.74	195.54	185.78	177.64	173.89	174.70	180.73	188.79	199.52	210.05
76	191.64	179.61	168.95	160.75	156.76	157.86	163.92	172.81	183.51	194.37
77	175.86	164.17	152.71	144.20	140.03	141.30	147.56	157.12	167.73	179.44
78	160.55	148.79	137.07	127.93	123.79	124.84	131.70	141.60	152.39	165.06
79	145.80	133.30	121.56	112.41	107.84	109.15	116.19	126.35	137.67	151.08
80	132.08	118.70	106.86	97.40	92.34	93.99	101.22	111.81	124.12	137.38

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	118.89	104.77	92.99	83.37	77.61	79.62	87.18	97.95	110.96	124.03
82	106.23	91.97	79.87	69.72	63.35	65.66	73.93	85.15	98.34	112.36
83	94.09	80.19	67.23	56.66	50.36	52.35	61.32	73.44	86.31	101.54
84	83.83	69.02	55.54	44.99	38.35	40.28	49.67	62.33	76.27	90.91
85	73.94	58.98	45.65	34.92	27.74	29.93	39.93	52.47	66.57	80.52
86	64.42	50.41	37.03	26.41	18.54	21.28	31.41	44.11	57.25	71.18
87	56.37	42.27	29.80	19.01	11.12	14.09	24.37	36.16	49.43	64.28
88	50.06	35.96	23.66	14.09	5.75	9.25	18.33	30.05	43.42	57.53
89	43.94	30.86	19.38	10.72	2.74	5.89	14.20	25.15	37.59	50.93
90	37.99	25.98	15.85	8.82	2.26	4.00	10.79	20.46	31.92	44.45
91	34.42	23.10	13.83	7.80	0.00	3.13	8.91	17.77	28.55	40.54
92	30.96	20.33	12.11	7.11	0.00	2.79	7.36	15.17	25.28	36.72
93	27.56	18.15	11.12	6.43	0.00	2.54	6.59	13.16	22.07	32.95
94	25.15	16.84	10.25	5.78	0.00	2.37	5.95	12.05	19.84	29.23
95	23.55	15.56	9.50	5.22	0.00	2.24	5.48	10.97	18.45	27.01
96	22.00	14.53	8.79	4.43	0.00	1.97	5.05	10.14	17.09	25.34
97	20.46	13.65	8.15	0.35	0.00	0.16	4.72	9.49	15.73	23.69
98	19.38	12.79	7.52	0.00	0.00	0.00	4.37	8.85	14.87	22.06
99	18.38	11.99	6.98	0.00	0.00	0.00	4.09	8.29	14.06	20.63
100	17.40	11.28	6.47	0.00	0.00	0.00	3.83	7.81	13.28	19.69
101	16.43	10.57	5.95	0.00	0.00	0.00	3.54	7.34	12.50	18.77
102	15.58	9.86	4.79	0.00	0.00	0.00	2.87	6.86	11.88	17.86
103	14.78	9.27	2.25	0.00	0.00	0.00	1.37	6.49	11.29	16.96
104	13.99	8.71	0.00	0.00	0.00	0.00	0.00	6.13	10.70	16.12
105	13.19	8.15	0.00	0.00	0.00	0.00	0.00	5.76	10.11	15.42
106	12.40	7.58	0.00	0.00	0.00	0.00	0.00	5.37	9.52	14.74
107	11.77	7.00	0.00	0.00	0.00	0.00	0.00	4.96	9.06	14.06
108	11.14	4.99	0.00	0.00	0.00	0.00	0.00	3.57	8.59	13.37
109	10.50	2.79	0.00	0.00	0.00	0.00	0.00	2.02	8.12	12.69
110	9.86	0.62	0.00	0.00	0.00	0.00	0.00	0.45	7.63	12.06
111	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	11.51
112	8.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	10.96
113	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.18	10.39
114	4.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.49	9.83
115	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	9.27
116	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	8.69
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.77
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.91
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.04
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

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

Vert. Angles Horizontal Angles

	<u>300</u>	<u>305</u>	<u>310</u>	<u>315</u>	<u>320</u>	<u>325</u>	<u>330</u>	<u>335</u>	<u>340</u>	<u>345</u>
0	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24	1112.24
1	1111.11	1111.00	1110.89	1110.73	1110.62	1110.51	1110.40	1110.35	1110.30	1110.24
2	1109.43	1109.27	1109.05	1108.89	1108.73	1108.62	1108.46	1108.35	1108.29	1108.19
3	1107.54	1107.21	1107.00	1106.83	1106.56	1106.40	1106.29	1106.24	1106.13	1106.13
4	1105.32	1104.94	1104.62	1104.51	1104.29	1104.18	1104.08	1103.97	1103.97	1103.91
5	1102.67	1102.35	1102.18	1101.97	1101.80	1101.75	1101.70	1101.75	1101.70	1101.75
6	1099.53	1099.37	1099.10	1099.26	1099.21	1099.26	1099.26	1099.37	1099.48	1099.48
7	1096.29	1096.07	1096.13	1096.18	1096.29	1096.50	1096.72	1096.94	1097.15	1097.32

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CANDELA TABULATION - (Cont.)

8	1092.50	1092.45	1092.72	1092.88	1093.20	1093.58	1094.02	1094.45	1094.77	1095.10
9	1088.44	1088.61	1088.88	1089.36	1090.01	1090.61	1091.31	1091.74	1092.34	1092.83
10	1084.12	1084.50	1084.88	1085.69	1086.50	1087.47	1088.39	1089.47	1089.85	1090.50
11	1079.41	1080.06	1080.98	1081.74	1082.93	1084.12	1085.25	1086.44	1085.96	1085.79
12	1074.33	1075.19	1076.38	1077.90	1079.09	1080.60	1080.60	1080.28	1080.12	1079.84
13	1068.92	1070.16	1071.68	1073.41	1075.25	1074.54	1074.11	1073.90	1074.00	1073.90
14	1063.19	1064.81	1066.81	1068.87	1068.16	1067.68	1067.51	1067.62	1067.89	1067.89
15	1057.13	1059.13	1061.51	1061.51	1061.02	1060.91	1060.97	1061.13	1061.51	1061.83
16	1050.69	1053.18	1054.42	1053.88	1053.67	1053.83	1054.10	1054.69	1055.24	1055.88
17	1043.99	1046.96	1046.37	1045.99	1046.26	1046.69	1047.45	1048.15	1048.96	1049.83
18	1037.17	1038.47	1037.93	1038.04	1038.52	1039.44	1040.36	1041.55	1042.58	1043.66
19	1029.92	1029.65	1029.22	1029.76	1030.63	1032.03	1033.44	1034.79	1036.20	1037.60
20	1021.32	1020.40	1020.51	1021.38	1022.78	1024.35	1026.35	1028.03	1029.87	1031.17
21	1011.59	1011.10	1011.59	1012.78	1014.67	1016.78	1019.21	1021.21	1023.43	1024.03
22	1001.58	1001.47	1002.28	1004.07	1006.34	1008.99	1011.80	1014.13	1014.51	1014.94
23	991.14	991.63	992.98	995.14	998.01	1001.26	1003.74	1004.50	1005.10	1005.58
24	980.76	981.62	983.41	986.06	989.52	993.20	993.85	994.77	995.52	996.39
25	969.94	971.24	973.83	976.92	980.76	982.49	983.57	984.98	986.06	987.19
26	959.18	960.91	963.94	967.61	970.70	972.00	973.46	975.08	976.54	978.00
27	947.82	950.20	953.77	958.31	959.66	961.34	963.23	965.18	967.07	968.64
28	936.41	939.44	943.65	947.39	948.47	950.47	952.96	955.28	957.61	959.45
29	924.78	928.35	933.16	935.32	937.22	939.71	942.52	945.38	948.04	950.09
30	913.20	917.15	921.80	923.37	925.91	928.83	932.13	935.49	938.46	940.84
31	901.20	905.90	909.20	911.31	914.61	918.13	921.91	925.48	928.89	931.16
32	889.08	894.44	896.54	899.41	903.03	907.09	911.53	915.47	918.13	919.48
33	876.96	881.78	883.73	887.30	891.46	896.22	900.93	904.33	906.12	907.74
34	864.42	868.37	871.07	875.07	879.94	885.13	889.84	891.84	894.00	895.90
35	851.81	854.90	858.09	862.74	868.15	874.21	876.86	879.45	882.00	884.10
36	839.16	841.27	845.27	850.46	856.63	861.28	864.04	866.96	869.83	872.37
37	825.04	827.53	832.24	837.97	845.05	847.81	851.17	854.63	857.71	860.58
38	810.49	813.85	819.15	825.69	831.21	834.40	838.24	842.13	845.70	848.68
39	795.94	800.05	806.06	813.52	817.14	821.04	825.26	829.64	833.59	836.89
40	781.45	786.21	792.91	799.62	803.14	807.57	812.44	817.09	821.53	825.04
41	766.79	772.42	779.88	784.75	789.18	794.21	799.57	804.60	809.41	813.20
42	752.19	758.30	766.74	770.20	775.17	780.91	786.48	792.21	796.75	799.24
43	737.47	744.34	751.43	755.65	761.27	767.33	773.71	779.28	782.75	785.56
44	722.76	730.44	736.12	741.10	747.32	754.03	760.84	764.95	768.79	771.87
45	708.00	716.44	720.82	726.60	733.36	740.72	746.29	750.67	754.84	758.08
46	693.23	701.02	705.46	712.00	719.36	726.82	731.69	736.50	740.88	744.40
47	678.41	685.06	690.31	697.40	705.46	711.78	717.03	722.38	726.98	730.71
48	663.70	669.16	675.06	682.90	690.96	696.86	702.53	708.11	713.08	716.98
49	648.83	653.26	659.91	668.35	675.55	681.82	688.04	693.93	699.18	703.29
50	632.38	637.47	644.88	653.75	660.13	666.89	673.60	679.76	685.23	689.61
51	615.89	621.73	629.84	637.85	644.82	652.02	659.05	665.70	671.33	675.92
52	599.45	605.94	614.75	622.16	629.41	637.20	644.61	651.58	657.16	660.89
53	582.89	590.14	599.17	606.37	614.26	622.43	630.27	637.09	641.80	645.80
54	566.40	574.57	582.89	590.57	599.12	607.72	616.10	621.62	626.54	630.71
55	550.06	558.93	566.72	574.94	583.87	592.90	600.20	605.99	611.29	615.62
56	533.74	543.25	550.60	559.42	568.89	577.54	584.46	590.57	596.04	600.53
57	517.61	526.55	534.51	543.90	553.90	561.58	568.62	575.16	580.79	585.49
58	501.49	509.79	518.54	528.60	537.96	545.57	552.93	559.69	565.53	570.40
59	485.40	493.35	502.76	513.40	521.54	529.56	537.27	544.33	550.39	555.36
60	468.60	476.90	486.98	497.05	505.36	513.68	521.62	528.92	535.25	540.36
61	451.43	460.67	471.34	480.52	489.21	497.84	506.03	513.57	520.09	525.35
62	434.65	444.51	455.45	464.05	472.97	482.04	490.57	498.29	504.88	510.20
63	417.88	428.60	438.59	447.64	457.00	466.39	475.07	482.98	489.65	495.06

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CANDELA TABULATION - (Cont.)

64	401.38	412.77	421.79	431.31	441.09	450.76	459.65	467.61	474.46	479.92
65	385.09	396.00	405.22	415.11	425.27	435.15	444.20	452.25	459.26	464.77
66	368.88	379.06	388.74	399.03	409.49	419.58	428.81	436.98	444.05	449.62
67	352.97	362.23	372.42	383.04	393.84	404.07	413.47	421.76	428.86	434.48
68	336.05	345.59	356.18	367.26	378.22	388.69	398.19	406.57	413.69	419.41
69	319.04	329.16	340.21	351.65	362.89	373.39	382.98	391.41	398.57	404.36
70	302.23	312.81	324.43	336.13	347.55	358.20	367.87	376.36	383.50	389.29
71	285.67	296.79	308.78	320.76	332.33	343.01	352.76	361.27	368.43	374.85
72	269.37	280.97	293.43	305.60	317.13	327.91	337.69	346.62	354.86	361.48
73	253.32	265.61	278.26	290.47	302.09	312.83	323.46	333.25	341.51	348.12
74	237.33	250.44	263.21	275.49	287.11	298.86	310.15	319.94	328.18	334.78
75	222.44	235.50	248.28	260.62	273.21	285.62	296.88	306.65	314.87	321.45
76	207.62	220.71	233.53	246.56	260.13	272.44	283.66	293.39	301.59	308.14
77	193.07	206.20	219.24	233.57	247.01	259.35	270.47	280.16	288.33	294.85
78	178.84	191.84	206.54	220.76	234.07	246.31	257.33	266.98	275.10	281.55
79	164.80	179.04	193.93	208.03	221.18	233.33	244.26	253.83	261.87	268.28
80	151.48	166.81	181.42	195.39	208.40	220.39	231.22	240.69	248.66	255.01
81	139.60	154.72	169.13	182.87	195.71	207.51	218.24	227.84	236.85	244.07
82	127.98	142.81	156.93	170.44	183.07	195.42	207.57	218.14	227.07	234.28
83	116.62	131.06	144.86	158.43	172.84	186.03	198.04	208.48	217.28	224.50
84	105.55	119.47	134.44	149.50	163.70	176.69	188.54	198.85	207.52	214.73
85	94.74	110.53	125.89	140.66	154.61	167.40	179.07	189.24	197.76	204.96
86	87.06	102.42	117.44	131.90	145.59	158.16	169.63	179.65	188.02	195.21
87	79.52	94.44	109.09	123.21	136.62	148.96	160.23	170.08	178.29	185.46
88	72.11	86.56	100.81	114.58	127.69	139.79	150.84	160.53	168.57	175.71
89	64.82	78.78	92.61	106.02	118.82	130.66	141.49	150.99	158.87	165.98
90	57.63	71.08	84.47	97.50	109.98	121.55	132.16	141.48	149.18	156.24
91	53.26	66.32	79.38	92.14	104.37	115.75	126.18	135.35	142.96	149.85
92	48.96	61.62	74.34	86.81	98.79	109.96	120.21	129.24	136.75	143.47
93	44.72	56.96	69.34	81.53	93.24	104.20	114.27	123.15	130.55	137.09
94	40.52	52.36	64.39	76.27	87.72	98.46	108.34	117.05	124.36	130.71
95	36.36	47.79	59.46	71.04	82.22	92.74	102.42	110.98	118.17	124.34
96	34.35	43.78	54.55	65.84	76.74	87.03	96.52	104.91	111.99	117.97
97	32.44	41.63	51.02	60.65	71.29	81.34	90.63	98.85	105.80	111.60
98	30.56	39.52	48.68	57.82	66.68	75.67	84.74	92.79	99.62	105.24
99	28.69	37.40	46.35	55.29	63.95	72.17	79.76	86.74	93.44	98.88
100	26.84	35.32	44.04	52.77	61.25	69.29	76.72	83.35	88.98	93.53
101	25.52	33.25	41.75	50.26	58.55	66.43	73.69	80.19	85.73	90.18
102	24.48	31.36	39.45	47.76	55.87	63.57	70.69	77.05	82.47	86.84
103	23.46	30.21	37.15	45.26	53.19	60.71	67.68	73.91	79.21	83.50
104	22.44	29.06	35.71	42.78	50.51	57.86	64.68	70.77	75.96	80.16
105	21.42	27.93	34.46	40.93	47.84	55.00	61.68	67.63	72.71	76.81
106	20.41	26.80	33.22	39.57	45.67	52.15	58.67	64.49	69.46	73.48
107	19.61	25.68	31.99	38.22	44.21	49.82	55.68	61.36	66.21	70.13
108	18.82	24.56	30.75	36.88	42.76	48.28	53.37	58.22	62.97	66.80
109	18.04	23.59	29.53	35.54	41.31	46.74	51.73	56.14	59.89	63.45
110	17.25	22.70	28.31	34.20	39.87	45.20	50.10	54.44	58.12	61.07
111	16.47	21.82	27.24	32.88	38.44	43.66	48.48	52.73	56.35	59.25
112	15.69	20.93	26.26	31.54	37.00	42.13	46.85	51.02	54.58	57.42
113	14.93	20.05	25.27	30.41	35.57	40.60	45.22	49.32	52.81	55.60
114	14.29	19.17	24.29	29.33	34.16	39.07	43.60	47.62	51.04	53.77
115	13.65	18.28	23.31	28.25	32.99	37.54	41.98	45.92	49.27	51.95
116	13.01	17.44	22.32	27.17	31.81	36.19	40.35	44.21	47.50	50.13
117	12.36	16.72	21.33	26.09	30.64	34.94	38.85	42.52	45.73	48.30
118	11.70	15.99	20.34	25.00	29.47	33.68	37.52	40.92	43.97	46.48
119	11.04	15.26	19.46	23.92	28.30	32.42	36.18	39.52	42.35	44.66

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CANDELA TABULATION - (Cont.)

120	10.38	14.52	18.65	22.82	27.12	31.16	34.84	38.11	40.89	43.10
121	9.42	13.77	17.83	21.79	25.94	29.90	33.51	36.71	39.42	41.59
122	7.37	13.02	17.01	20.89	24.76	28.64	32.17	35.30	37.96	40.07
123	5.31	12.26	16.18	19.98	23.63	27.38	30.83	33.89	36.50	38.56
124	3.22	11.51	15.35	19.08	22.65	26.10	29.48	32.48	35.03	37.04
125	1.12	9.79	14.51	18.17	21.67	24.94	28.14	31.07	33.57	35.53
126	0.00	7.55	13.67	17.25	20.68	23.89	26.79	29.66	32.10	34.02
127	0.00	5.30	12.82	16.33	19.70	22.83	25.67	28.25	30.63	32.50
128	0.00	3.03	11.11	15.42	18.71	21.77	24.55	27.02	29.16	30.99
129	0.00	0.74	8.69	14.49	17.71	20.71	23.43	25.84	27.87	29.47
130	0.00	0.00	6.26	13.56	16.72	19.65	22.31	24.66	26.64	28.20
131	0.00	0.00	3.82	11.18	15.72	18.58	21.18	23.48	25.41	26.94
132	0.00	0.00	1.36	8.59	14.72	17.52	20.05	22.30	24.18	25.67
133	0.00	0.00	0.00	5.98	12.66	16.45	18.93	21.12	22.95	24.40
134	0.00	0.00	0.00	3.37	9.91	15.38	17.80	19.93	21.72	23.14
135	0.00	0.00	0.00	0.74	7.15	13.05	16.66	18.74	20.48	21.87
136	0.00	0.00	0.00	0.00	4.37	10.15	15.35	17.55	19.25	20.60
137	0.00	0.00	0.00	0.00	1.59	7.24	12.32	16.36	18.01	19.33
138	0.00	0.00	0.00	0.00	0.00	4.32	9.28	13.62	16.78	18.06
139	0.00	0.00	0.00	0.00	0.00	1.40	6.24	10.47	14.01	16.80
140	0.00	0.00	0.00	0.00	0.00	0.00	3.19	7.31	10.77	13.51
141	0.00	0.00	0.00	0.00	0.00	0.00	0.13	4.15	7.52	10.19
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	4.26	6.86
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	3.53
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20
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-W-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	1112.24	1112.24	1112.24
1	1110.19	1110.19	1110.13
2	1108.08	1108.08	1108.08
3	1106.02	1105.97	1105.97
4	1103.91	1103.81	1103.86
5	1101.80	1101.75	1101.75
6	1099.59	1099.64	1099.69
7	1097.48	1097.53	1097.59
8	1095.31	1095.42	1095.48
9	1092.99	1093.31	1093.37
10	1090.88	1091.15	1091.26
11	1085.63	1085.47	1085.47
12	1079.74	1079.63	1079.68
13	1073.95	1073.84	1073.90
14	1067.95	1068.00	1068.11
15	1062.10	1062.16	1062.32
16	1056.15	1056.32	1056.48
17	1050.26	1050.48	1050.69
18	1044.36	1044.69	1044.90
19	1038.47	1038.85	1039.12
20	1032.52	1033.11	1033.33
21	1024.41	1024.41	1024.41
22	1015.32	1015.43	1015.48
23	1006.23	1006.45	1006.61
24	997.15	997.47	997.69
25	988.17	988.55	988.82
26	979.08	979.62	979.89
27	969.94	970.70	970.97
28	960.85	961.77	962.10
29	951.82	952.85	953.17
30	942.79	943.87	944.30
31	932.08	932.62	932.84
32	920.45	921.15	921.37
33	908.88	909.69	909.96
34	897.36	898.22	898.49
35	885.67	886.70	887.03
36	874.04	875.23	875.56
37	862.52	863.71	864.15
38	851.00	852.19	852.68
39	839.43	840.73	841.21
40	827.80	829.21	829.80
41	815.04	815.95	816.33
42	801.46	802.49	802.87
43	787.88	788.97	789.40
44	774.25	775.55	775.93
45	760.68	762.08	762.46
46	747.16	748.62	749.00

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

CANDELA TABULATION - (Cont.)

47	733.53	735.10	735.53
48	719.95	721.63	722.06
49	706.37	708.11	708.59
50	692.85	694.64	695.12
51	678.47	679.93	680.31
52	663.54	665.11	665.49
53	648.61	650.29	650.72
54	633.63	635.47	635.90
55	618.70	620.59	621.08
56	603.77	605.72	606.26
57	588.90	590.90	591.49
58	573.97	576.08	576.67
59	559.10	561.21	561.85
60	544.17	546.39	547.03
61	529.11	531.36	532.00
62	513.99	516.30	516.94
63	498.89	501.21	501.88
64	483.80	486.13	486.83
65	468.72	471.06	471.77
66	453.64	455.99	456.72
67	438.55	440.92	441.66
68	423.48	425.87	426.60
69	408.42	410.81	411.54
70	393.36	395.75	396.48
71	379.53	382.30	383.16
72	366.17	368.97	369.82
73	352.83	355.64	356.50
74	339.49	342.31	343.17
75	326.17	328.99	329.84
76	312.85	315.67	316.51
77	299.54	302.35	303.18
78	286.24	289.03	289.85
79	272.93	275.71	276.52
80	259.61	262.39	263.19
81	249.24	252.38	253.31
82	239.39	242.50	243.43
83	229.54	232.63	233.55
84	219.71	222.76	223.67
85	209.88	212.88	213.78
86	200.06	203.01	203.90
87	190.24	193.14	194.02
88	180.42	183.26	184.14
89	170.61	173.39	174.26
90	160.80	163.52	164.38
91	154.35	157.04	157.89
92	147.91	150.56	151.40
93	141.46	144.08	144.91
94	135.02	137.61	138.42
95	128.58	131.13	131.93
96	122.14	124.65	125.44
97	115.70	118.17	118.96
98	109.27	111.69	112.47
99	102.83	105.22	105.98
100	96.84	98.85	99.49
101	93.44	95.40	96.03
102	90.02	91.95	92.57

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

CANDELA TABULATION - (Cont.)

103	86.61	88.51	89.11
104	83.21	85.06	85.65
105	79.80	81.61	82.19
106	76.39	78.16	78.72
107	72.98	74.72	75.26
108	69.58	71.26	71.80
109	66.17	67.82	68.34
110	63.20	64.48	64.88
111	61.33	62.59	62.99
112	59.47	60.71	61.10
113	57.61	58.82	59.21
114	55.75	56.95	57.32
115	53.89	55.07	55.43
116	52.03	53.18	53.54
117	50.17	51.30	51.65
118	48.31	49.42	49.76
119	46.45	47.54	47.88
120	44.71	45.69	45.99
121	43.16	44.12	44.41
122	41.61	42.55	42.83
123	40.07	40.98	41.26
124	38.52	39.41	39.68
125	36.97	37.84	38.11
126	35.42	36.27	36.53
127	33.87	34.70	34.95
128	32.32	33.13	33.38
129	30.78	31.56	31.80
130	29.34	30.01	30.22
131	28.04	28.71	28.91
132	26.75	27.40	27.60
133	25.46	26.09	26.28
134	24.17	24.78	24.97
135	22.87	23.47	23.65
136	21.58	22.17	22.34
137	20.29	20.86	21.03
138	18.99	19.55	19.71
139	17.70	18.24	18.40
140	15.51	16.71	17.08
141	12.13	13.30	13.67
142	8.75	9.89	10.25
143	5.37	6.47	6.83
144	1.98	3.06	3.42
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-W-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-W-48-L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	404.14	N.A.	11.50
0-30	855.54	N.A.	24.40
0-40	1397.93	N.A.	39.90
0-60	2480.22	N.A.	70.70
0-80	3174.2	N.A.	90.50
0-90	3326.92	N.A.	94.90
10-90	3222.09	N.A.	91.90
20-40	993.80	N.A.	28.30
20-50	1557.98	N.A.	44.40
40-70	1497.42	N.A.	42.70
60-80	693.98	N.A.	19.80
70-80	278.85	N.A.	8.00
80-90	152.72	N.A.	4.40
90-110	126.80	N.A.	3.60
90-120	155.72	N.A.	4.40
90-130	172.30	N.A.	4.90
90-150	180.07	N.A.	5.10
90-180	180.07	N.A.	5.10
110-180	53.28	N.A.	1.50
0-180	3506.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.83
10-20	299.31
20-30	451.40
30-40	542.40
40-50	564.18
50-60	518.11
60-70	415.13
70-80	278.85
80-90	152.72
90-100	80.11
100-110	46.69
110-120	28.92
120-130	16.58
130-140	7.16
140-150	0.61
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95
1	106	101	96	92	103	98	94	90	93	89	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	88	77	68	61	85	75	67	60	71	64	59	67	62	57	64	59	55	53
4	80	68	59	52	77	66	57	51	63	55	50	60	54	48	57	52	47	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	51	46	41	39
6	68	54	45	39	66	53	44	38	51	43	37	48	42	37	46	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	37	32	42	36	32	30
8	59	45	36	30	57	44	36	30	42	35	29	40	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	33	28	23	22

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

UGR TABLE - CORRECTED

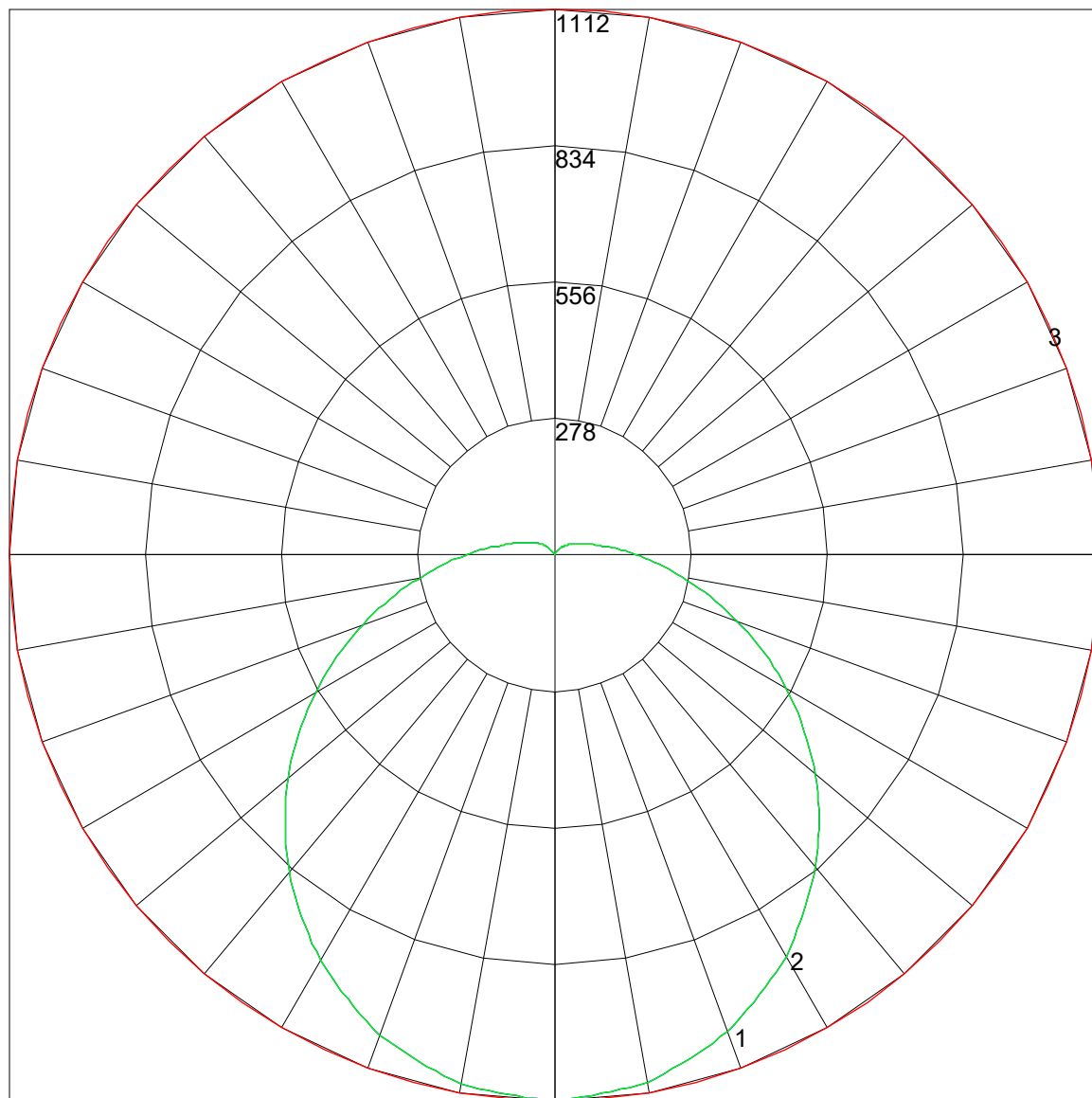
Reflectances

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	15.6	17.2	16.1	17.6	18.1	15.0	16.5	15.4	17.0	17.4
	3H	17.7	19.1	18.2	19.6	20.0	16.6	18.1	17.1	18.5	19.0
	4H	18.6	20.0	19.1	20.4	20.9	17.2	18.5	17.7	19.0	19.5
	6H	19.5	20.7	20.0	21.2	21.7	17.6	18.8	18.0	19.3	19.8
	8H	19.9	21.1	20.4	21.6	22.1	17.6	18.8	18.1	19.3	19.8
	12H	20.3	21.4	20.8	21.9	22.5	17.6	18.8	18.2	19.3	19.8
4H	2H	16.2	17.5	16.7	18.0	18.5	15.7	17.1	16.2	17.5	18.0
	3H	18.5	19.7	19.0	20.1	20.7	17.6	18.7	18.1	19.2	19.7
	4H	19.6	20.6	20.1	21.1	21.7	18.3	19.3	18.8	19.8	20.4
	6H	20.6	21.6	21.2	22.1	22.6	18.8	19.7	19.3	20.2	20.8
	8H	21.1	22.0	21.6	22.5	23.1	18.9	19.7	19.4	20.3	20.9
	12H	21.6	22.4	22.2	23.0	23.5	18.9	19.7	19.5	20.3	20.9
8H	4H	19.9	20.7	20.4	21.3	21.9	18.8	19.6	19.3	20.2	20.7
	6H	21.1	21.8	21.7	22.4	23.0	19.4	20.1	20.0	20.7	21.3
	8H	21.7	22.4	22.3	23.0	23.6	19.6	20.3	20.2	20.9	21.5
	12H	22.4	23.0	23.0	23.6	24.2	19.7	20.3	20.3	20.9	21.6
12H	4H	19.9	20.7	20.4	21.2	21.8	18.9	19.7	19.4	20.2	20.8
	6H	21.2	21.8	21.8	22.4	23.0	19.6	20.3	20.2	20.8	21.5
	8H	21.9	22.5	22.4	23.0	23.7	19.9	20.5	20.5	21.0	21.7

Maximum UGR = 24.2

POLAR GRAPH



Maximum Candela = 1112.24 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)