



IES INDOOR REPORT
PHOTOMETRIC FILENAME : HBRMSR-LED175DMV50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [TESTLAB] Dongguan New Testing Centre Co., Ltd
 [TESTDATE] 20 May 2019
 [ISSUEDATE] 2019-05-20 09:19:51
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER] EVERFINE GO-R5000_V2 SYSTEM
 [MANUFAC] Mobern Lighting Co.
 [LUMCAT] HBRMSR-LED175DMV50
 [MORE] MHB04
 [LUMINAIRE] LED
 [BALLAST] 120-277Vac,50/60Hz
 [OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER]	0- 10	1014.73	1014.73	3.93	3.93
[OTHER]	10- 20	3061.06	4075.80	15.77	15.77
[OTHER]	20- 30	5099.52	9175.32	35.51	35.51
[OTHER]	30- 40	6753.52	15928.85	61.65	61.65
[OTHER]	40- 50	6388.27	22317.11	86.37	86.37
[OTHER]	50- 60	2774.70	25091.82	97.11	97.11
[OTHER]	60- 70	444.77	25536.58	98.83	98.83
[OTHER]	70- 80	218.31	25754.90	99.67	99.67
[OTHER]	80- 90	64.97	25819.87	99.92	99.92
[OTHER]	90-100	0.29	25820.16	99.93	99.93
[OTHER]	100-110	0.79	25820.95	99.93	99.93
[OTHER]	110-120	1.57	25822.52	99.93	99.93
[OTHER]	120-130	2.58	25825.10	99.94	99.94
[OTHER]	130-140	3.52	25828.62	99.96	99.96
[OTHER]	140-150	3.91	25832.54	99.97	99.97
[OTHER]	150-160	3.59	25836.12	99.99	99.99
[OTHER]	160-170	2.45	25838.57	100.00	100.00
[OTHER]	170-180	0.86	25839.43	100.00	100.00
[OTHER]					

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CHARACTERISTICS

Lumens Per Lamp	25839 (1 lamp)
Total Lamp Lumens	25839
Luminaire Lumens	25839
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	175.189
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.54
Spacing Criterion (90-270)	1.54
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.35 m (Diameter)
Luminous Width (90-270)	0.35 m (Diameter)
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	128565	126280	124223
55	58652	55164	53139
65	9412	9420	9419
75	8322	8436	8414
85	7902	7127	6288

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CANDELA TABULATION

	0	15	30	45	60	75	90	105	120	135
0	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13
1	10554.91	10559.64	10561.75	10570.14	10568.09	10573.21	10578.63	10580.53	10582.28	10585.99
2	10547.02	10551.48	10557.75	10565.30	10569.44	10576.80	10588.48	10596.21	10604.27	10600.36
3	10538.73	10540.61	10551.24	10565.26	10571.49	10586.90	10601.81	10610.78	10618.45	10624.96
4	10535.62	10536.19	10548.40	10563.65	10577.03	10595.14	10611.02	10627.92	10644.34	10656.77
5	10524.22	10527.95	10547.66	10566.34	10584.51	10606.88	10631.91	10649.76	10668.21	10681.03
6	10524.54	10526.92	10549.02	10566.97	10589.50	10619.00	10649.07	10671.57	10695.84	10707.99
7	10516.44	10526.19	10552.43	10575.73	10600.21	10636.06	10669.57	10692.81	10717.54	10734.36
8	10514.91	10524.44	10549.40	10577.90	10612.15	10650.27	10686.33	10715.05	10743.00	10762.12
9	10517.26	10520.14	10555.10	10590.98	10622.41	10668.82	10705.63	10742.74	10764.81	10791.50
10	10515.93	10525.59	10562.83	10593.27	10634.66	10681.99	10723.86	10769.04	10798.56	10824.18
11	10515.57	10528.01	10568.59	10608.08	10648.62	10704.53	10746.02	10794.78	10833.02	10854.22
12	10525.16	10529.49	10575.92	10615.67	10668.21	10717.91	10775.98	10825.03	10858.23	10892.67
13	10531.68	10545.47	10583.51	10631.08	10685.64	10739.35	10794.78	10848.29	10889.64	10925.97
14	10541.58	10552.74	10600.87	10644.98	10704.22	10764.20	10822.49	10876.86	10918.99	10956.52
15	10553.55	10561.60	10613.65	10663.29	10723.70	10785.19	10847.44	10904.10	10949.04	10991.95
16	10564.95	10576.88	10627.41	10684.04	10744.46	10810.74	10871.74	10937.05	10982.61	11021.91
17	10572.90	10595.47	10645.98	10700.80	10765.80	10832.10	10904.40	10969.67	11013.85	11061.06
18	10591.39	10610.20	10665.58	10723.35	10791.46	10860.00	10934.11	10998.48	11047.66	11091.75
19	10609.52	10630.40	10688.26	10740.72	10813.41	10887.43	10960.37	11031.87	11075.18	11124.21
20	10625.46	10649.60	10706.08	10768.23	10841.64	10916.13	10990.76	11059.08	11109.39	11154.14
21	10643.73	10668.73	10726.39	10791.19	10860.23	10944.40	11016.84	11087.77	11140.03	11185.55
22	10667.25	10695.12	10748.74	10814.23	10886.43	10969.74	11045.89	11115.64	11164.78	11210.62
23	10683.98	10713.07	10771.87	10842.43	10911.18	10993.48	11065.97	11135.41	11189.55	11237.33
24	10708.70	10733.47	10799.74	10866.17	10933.51	11015.61	11088.31	11158.27	11209.29	11253.76
25	10732.13	10763.54	10825.03	10885.53	10961.23	11041.05	11107.86	11178.31	11233.15	11267.97
26	10754.01	10778.98	10844.84	10911.90	10973.94	11056.03	11127.57	11190.62	11241.04	11277.53
27	10781.92	10799.56	10865.75	10932.53	10988.60	11068.40	11137.94	11198.02	11247.46	11280.22
28	10795.78	10820.50	10882.79	10943.28	10994.60	11079.30	11143.60	11198.03	11245.14	11275.52
29	10811.20	10832.02	10896.42	10954.75	11003.62	11080.61	11142.23	11196.01	11235.08	11263.70
30	10818.34	10840.39	10899.54	10953.67	11009.82	11077.05	11131.71	11177.02	11215.57	11245.02
31	10822.94	10847.78	10901.97	10951.35	10990.03	11057.42	11108.49	11147.55	11181.66	11207.28
32	10819.60	10839.34	10890.12	10938.83	10970.22	11027.27	11075.87	11106.53	11138.93	11157.59
33	10803.06	10825.32	10869.37	10910.85	10937.63	10983.26	11031.97	11048.37	11082.49	11090.36
34	10786.17	10797.40	10834.52	10869.03	10889.89	10928.62	10975.32	10978.99	10999.70	11015.74
35	10739.21	10758.70	10784.69	10820.22	10825.24	10858.04	10900.43	10882.92	10903.69	10907.44
36	10678.22	10698.06	10725.93	10742.97	10739.36	10763.69	10801.92	10767.56	10781.98	10777.30
37	10600.18	10616.27	10626.66	10644.61	10631.69	10645.74	10677.44	10632.12	10635.37	10620.79
38	10501.69	10509.18	10510.63	10517.79	10503.42	10502.48	10528.23	10462.87	10456.10	10434.74
39	10369.01	10367.47	10362.57	10367.84	10339.25	10325.62	10348.67	10264.97	10249.60	10220.72
40	10203.56	10191.87	10186.40	10175.63	10138.80	10118.00	10132.15	10023.16	10005.56	9955.42
41	10005.24	9988.93	9965.93	9956.71	9900.83	9872.40	9877.25	9755.33	9731.18	9673.00
42	9760.44	9732.58	9703.89	9688.02	9624.39	9578.10	9595.10	9435.33	9411.95	9335.68
43	9474.73	9433.34	9391.27	9374.91	9289.39	9242.81	9258.09	9079.59	9051.91	8970.68
44	9140.27	9075.92	9034.74	9008.71	8909.20	8852.07	8875.90	8686.33	8643.41	8552.98
45	8750.17	8676.23	8627.67	8594.70	8471.88	8416.82	8454.68	8235.20	8185.70	8095.83
46	8299.71	8216.53	8162.14	8128.62	7998.04	7934.99	7980.10	7758.24	7703.30	7605.74
47	7800.41	7718.66	7658.09	7616.71	7481.45	7417.80	7472.89	7235.07	7182.14	7090.07
48	7276.99	7184.09	7117.24	7074.72	6942.34	6872.27	6924.05	6684.92	6651.92	6533.89
49	6707.52	6612.10	6556.35	6501.91	6366.39	6305.46	6356.40	6111.76	6089.77	5988.80
50	6118.08	6035.66	5970.61	5911.19	5778.43	5708.62	5773.72	5530.24	5518.15	5421.45
51	5528.49	5451.32	5395.46	5316.51	5183.45	5120.38	5189.96	4948.52	4949.28	4855.30
52	4939.93	4874.08	4807.70	4733.82	4603.35	4533.15	4600.81	4368.82	4386.21	4287.96
53	4361.66	4303.60	4238.52	4151.32	4034.37	3961.68	4022.34	3815.31	3828.47	3736.20

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54	3789.77	3742.87	3678.02	3594.48	3477.54	3412.39	3469.79	3264.81	3278.25	3199.63
55	3238.08	3190.82	3133.60	3045.50	2944.69	2877.68	2933.72	2743.65	2750.30	2682.21
56	2682.98	2641.86	2594.60	2530.54	2418.71	2421.59	2479.85	2251.99	2314.85	2197.39
57	2167.86	2192.08	2096.35	2078.76	1944.43	1965.50	2025.98	1813.87	1879.41	1763.11
58	1704.94	1742.29	1638.86	1628.19	1528.71	1509.45	1572.46	1426.17	1444.01	1397.70
59	1302.81	1295.99	1250.70	1248.99	1184.20	1176.16	1230.46	1115.52	1132.51	1093.50
60	982.14	985.35	944.68	945.19	909.39	913.83	954.07	863.78	888.21	869.03
61	816.82	754.75	788.59	730.80	741.75	722.99	752.93	709.92	701.98	704.61
62	652.64	600.66	635.68	583.56	577.60	590.70	603.80	556.77	567.91	540.20
63	488.46	498.89	482.77	487.50	485.09	498.49	504.18	469.60	470.41	452.38
64	426.05	435.57	421.50	426.01	425.14	435.23	433.14	406.69	407.20	398.18
65	382.88	390.87	377.66	383.17	382.84	389.51	383.14	365.87	368.52	363.09
66	353.15	358.83	347.01	351.30	353.06	358.20	350.18	338.05	343.03	339.32
67	330.19	334.14	324.93	329.30	330.88	333.85	327.49	317.95	323.42	320.34
68	311.34	314.64	306.31	310.89	313.14	314.96	310.01	300.78	306.54	303.83
69	294.62	297.16	290.18	295.61	297.85	297.36	295.00	286.42	291.37	288.54
70	278.75	281.06	275.85	282.49	283.45	282.04	281.06	272.96	277.16	273.79
71	264.52	266.76	262.72	269.01	269.39	268.26	268.02	260.04	263.35	259.54
72	250.41	252.63	249.69	255.78	254.68	254.09	254.67	247.62	250.35	245.73
73	236.11	238.41	236.40	241.46	239.68	239.04	240.67	234.61	236.48	231.31
74	221.97	223.17	222.40	225.81	224.59	223.40	225.14	219.83	221.05	217.28
75	207.32	207.93	207.99	210.16	208.67	207.76	209.60	204.13	205.62	202.92
76	192.45	192.70	193.21	194.49	193.19	192.11	194.06	188.53	190.22	187.25
77	178.11	178.06	178.85	178.31	177.84	175.57	178.14	173.03	176.21	172.14
78	163.76	163.73	164.23	163.15	162.68	159.98	162.72	157.23	161.02	157.60
79	149.71	149.75	149.99	148.64	147.81	144.89	147.92	142.78	146.15	143.36
80	135.48	135.93	135.94	134.93	133.15	130.01	133.35	127.53	131.32	129.28
81	121.76	122.20	122.06	120.92	118.16	115.46	118.81	113.11	116.79	115.50
82	107.91	108.34	108.00	107.27	103.13	99.50	102.80	97.35	102.32	101.97
83	94.44	94.86	94.75	92.50	86.18	83.31	86.86	79.57	86.91	85.87
84	80.37	80.59	79.52	75.74	69.15	65.35	70.14	61.78	70.77	69.77
85	66.29	66.16	64.25	59.79	52.12	48.04	52.75	43.99	52.09	53.66
86	52.20	52.30	48.98	41.55	32.98	32.28	35.64	23.79	35.73	36.10
87	37.90	34.76	31.10	23.31	13.83	16.52	18.53	8.08	19.38	17.65
88	13.04	17.22	6.01	5.41	9.13	0.91	1.76	4.15	3.23	11.69
89	8.58	0.20	2.70	0.11	4.63	0.11	0.29	0.29	0.29	6.01
90	4.36	0.06	0.14	0.06	0.13	0.06	0.20	0.21	0.21	0.34
91	0.15	0.06	0.07	0.06	0.06	0.06	0.22	0.22	0.22	0.23
92	0.07	0.07	0.07	0.07	0.07	0.07	0.24	0.25	0.24	0.25
93	0.08	0.08	0.08	0.08	0.08	0.07	0.26	0.27	0.27	0.28
94	0.09	0.08	0.09	0.08	0.09	0.08	0.29	0.30	0.30	0.31
95	0.10	0.09	0.10	0.09	0.10	0.09	0.33	0.35	0.34	0.35
96	0.11	0.11	0.11	0.11	0.11	0.11	0.38	0.39	0.40	0.41
97	0.12	0.12	0.13	0.13	0.13	0.12	0.43	0.45	0.45	0.47
98	0.14	0.14	0.15	0.15	0.15	0.14	0.49	0.52	0.52	0.53
99	0.16	0.16	0.17	0.17	0.17	0.16	0.56	0.59	0.59	0.61
100	0.18	0.18	0.19	0.19	0.19	0.19	0.64	0.67	0.67	0.68
101	0.21	0.21	0.21	0.21	0.22	0.22	0.72	0.76	0.75	0.77
102	0.23	0.23	0.24	0.24	0.25	0.25	0.82	0.85	0.85	0.87
103	0.26	0.26	0.27	0.27	0.28	0.28	0.92	0.97	0.96	0.98
104	0.29	0.29	0.31	0.31	0.32	0.31	1.03	1.08	1.08	1.10
105	0.33	0.33	0.34	0.34	0.35	0.35	1.14	1.18	1.19	1.21
106	0.37	0.37	0.38	0.39	0.40	0.39	1.24	1.28	1.28	1.31
107	0.42	0.42	0.43	0.43	0.44	0.43	1.33	1.37	1.38	1.40
108	0.47	0.47	0.48	0.49	0.50	0.48	1.42	1.46	1.47	1.50
109	0.52	0.53	0.54	0.55	0.56	0.54	1.50	1.55	1.57	1.60

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110	0.59	0.59	0.61	0.61	0.62	0.60	1.59	1.64	1.66	1.70
111	0.66	0.66	0.68	0.68	0.69	0.67	1.67	1.72	1.76	1.81
112	0.74	0.74	0.76	0.76	0.76	0.74	1.75	1.81	1.85	1.91
113	0.82	0.82	0.84	0.83	0.83	0.81	1.84	1.91	1.95	2.02
114	0.91	0.91	0.92	0.92	0.91	0.90	1.94	2.01	2.05	2.13
115	1.00	1.00	1.02	1.01	1.00	0.98	2.04	2.11	2.16	2.24
116	1.10	1.10	1.12	1.10	1.09	1.08	2.14	2.22	2.27	2.37
117	1.20	1.21	1.22	1.21	1.19	1.17	2.25	2.37	2.42	2.50
118	1.30	1.31	1.33	1.31	1.30	1.28	2.48	2.54	2.58	2.65
119	1.41	1.43	1.44	1.42	1.42	1.39	2.62	2.68	2.72	2.80
120	1.52	1.55	1.56	1.54	1.53	1.49	2.76	2.83	2.86	2.95
121	1.64	1.67	1.68	1.65	1.65	1.60	2.89	2.97	3.00	3.10
122	1.76	1.79	1.79	1.76	1.78	1.72	3.03	3.11	3.13	3.25
123	1.88	1.90	1.91	1.88	1.90	1.84	3.17	3.27	3.27	3.41
124	2.00	2.02	2.02	2.00	2.02	1.95	3.33	3.43	3.43	3.58
125	2.12	2.14	2.14	2.11	2.15	2.07	3.50	3.60	3.60	3.76
126	2.25	2.26	2.26	2.23	2.27	2.19	3.67	3.77	3.78	3.94
127	2.37	2.39	2.38	2.35	2.40	2.32	3.85	3.94	3.97	4.13
128	2.50	2.52	2.51	2.47	2.54	2.47	4.03	4.15	4.19	4.32
129	2.63	2.65	2.65	2.60	2.68	2.63	4.23	4.37	4.41	4.52
130	2.77	2.79	2.80	2.73	2.81	2.78	4.43	4.58	4.63	4.74
131	2.92	2.93	2.94	2.86	2.94	2.94	4.66	4.78	4.86	4.96
132	3.08	3.09	3.07	3.00	3.08	3.11	4.85	4.99	5.08	5.19
133	3.24	3.26	3.22	3.15	3.22	3.28	5.03	5.19	5.29	5.42
134	3.39	3.41	3.36	3.32	3.35	3.44	5.20	5.39	5.49	5.64
135	3.52	3.55	3.49	3.48	3.48	3.59	5.37	5.57	5.67	5.83
136	3.65	3.68	3.63	3.65	3.61	3.76	5.54	5.73	5.84	6.01
137	3.80	3.82	3.77	3.82	3.76	3.92	5.70	5.90	6.01	6.20
138	3.96	3.95	3.91	4.00	3.91	4.08	5.85	6.08	6.18	6.40
139	4.12	4.10	4.07	4.16	4.05	4.25	6.04	6.24	6.34	6.57
140	4.27	4.25	4.23	4.30	4.21	4.40	6.20	6.41	6.50	6.75
141	4.44	4.40	4.40	4.44	4.36	4.55	6.37	6.60	6.69	6.95
142	4.60	4.57	4.58	4.58	4.53	4.70	6.56	6.81	6.89	7.13
143	4.75	4.74	4.78	4.72	4.69	4.85	6.75	7.02	7.10	7.31
144	4.89	4.93	4.95	4.86	4.85	5.01	6.93	7.25	7.30	7.49
145	5.05	5.09	5.08	5.02	5.00	5.16	7.19	7.48	7.49	7.69
146	5.19	5.25	5.19	5.19	5.15	5.31	7.41	7.70	7.68	7.90
147	5.30	5.38	5.30	5.35	5.29	5.45	7.63	7.88	7.86	8.11
148	5.37	5.47	5.39	5.49	5.43	5.58	7.83	8.05	8.04	8.33
149	5.43	5.55	5.50	5.64	5.58	5.71	8.02	8.22	8.22	8.54
150	5.50	5.63	5.64	5.79	5.76	5.82	8.20	8.37	8.43	8.74
151	5.58	5.73	5.78	5.93	5.94	5.94	8.38	8.53	8.65	8.92
152	5.67	5.87	5.93	6.08	6.17	6.05	8.56	8.68	8.88	9.06
153	5.77	5.99	6.07	6.21	6.37	6.15	8.71	8.82	9.14	9.23
154	5.83	6.10	6.20	6.32	6.56	6.26	8.86	8.98	9.38	9.40
155	5.85	6.20	6.32	6.43	6.72	6.43	9.03	9.18	9.59	9.55
156	5.86	6.30	6.42	6.55	6.85	6.61	9.22	9.41	9.76	9.70
157	5.90	6.40	6.53	6.69	6.94	6.77	9.44	9.63	9.90	9.87
158	5.93	6.50	6.64	6.83	7.01	6.92	9.67	9.82	10.03	10.05
159	5.98	6.59	6.72	6.96	7.05	6.99	9.88	9.95	10.14	10.21
160	6.04	6.65	6.82	7.08	7.08	7.04	10.01	10.04	10.22	10.34
161	6.07	6.71	6.91	7.17	7.11	7.08	10.06	10.09	10.25	10.43
162	6.12	6.77	6.99	7.22	7.12	7.11	10.04	10.09	10.27	10.47
163	6.27	6.87	7.11	7.31	7.17	7.18	10.04	10.08	10.27	10.50
164	6.46	6.99	7.25	7.39	7.24	7.29	10.03	10.12	10.30	10.54
165	6.69	7.12	7.39	7.48	7.36	7.40	10.05	10.19	10.36	10.60

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166	6.91	7.29	7.55	7.62	7.52	7.56	10.03	10.25	10.43	10.64
167	7.05	7.45	7.66	7.69	7.64	7.70	10.03	10.27	10.47	10.65
168	7.17	7.54	7.74	7.73	7.73	7.80	10.04	10.27	10.47	10.60
169	7.29	7.54	7.77	7.77	7.78	7.86	10.00	10.20	10.40	10.48
170	7.37	7.43	7.70	7.74	7.75	7.85	9.98	10.13	10.31	10.40
171	7.40	7.32	7.67	7.72	7.72	7.82	9.98	10.13	10.30	10.36
172	7.47	7.43	7.77	7.78	7.80	7.90	10.01	10.14	10.29	10.29
173	7.58	7.62	7.95	7.93	7.96	8.08	9.94	10.08	10.23	10.17
174	7.82	7.90	8.19	8.26	8.26	8.42	9.93	10.08	10.18	10.12
175	8.06	8.22	8.53	8.59	8.62	8.77	9.91	10.06	10.15	10.06
176	8.27	8.42	8.75	8.73	8.85	9.00	9.79	9.96	10.04	9.96
177	8.49	8.56	8.89	8.85	8.97	9.12	9.70	9.86	9.96	9.88
178	8.65	8.61	8.93	8.93	8.98	9.15	9.50	9.68	9.76	9.71
179	8.90	8.69	8.88	9.00	9.00	9.19	9.41	9.60	9.67	9.63
180	9.14	9.14	9.14	9.14	9.14	9.14	9.14	9.14	9.14	9.14

Vert. Angles Horizontal Angles

	150	165	180	195	210	225	240	255	270	285
0	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13	10569.13
1	10587.88	10581.40	10588.26	10590.07	10583.42	10581.81	10574.35	10569.71	10567.31	10564.04
2	10611.89	10603.47	10612.48	10603.81	10598.82	10593.08	10585.58	10580.10	10566.59	10563.04
3	10640.33	10630.92	10639.40	10624.99	10622.59	10614.61	10596.73	10583.91	10567.95	10561.08
4	10664.22	10652.69	10669.22	10654.19	10648.81	10627.66	10604.32	10595.11	10575.69	10564.08
5	10691.51	10676.21	10693.08	10675.58	10669.81	10650.42	10626.17	10605.72	10580.56	10565.47
6	10722.56	10708.89	10726.74	10702.47	10694.55	10669.16	10638.37	10619.45	10587.94	10566.83
7	10747.33	10739.78	10750.94	10731.76	10722.47	10695.44	10659.07	10632.72	10597.67	10570.40
8	10777.61	10771.64	10780.16	10757.79	10747.66	10719.56	10675.37	10643.92	10611.26	10576.23
9	10818.46	10806.72	10811.17	10787.38	10780.12	10742.17	10697.09	10664.61	10622.18	10583.66
10	10850.73	10834.81	10846.43	10823.44	10810.98	10770.40	10722.53	10679.97	10636.50	10597.98
11	10880.26	10870.26	10884.39	10853.35	10837.87	10798.89	10742.26	10704.19	10650.10	10608.28
12	10916.10	10907.60	10920.03	10882.20	10868.05	10826.54	10765.23	10721.50	10666.17	10616.87
13	10945.25	10943.11	10951.06	10917.55	10894.13	10853.90	10792.69	10746.87	10683.30	10631.19
14	10981.05	10979.08	10982.34	10946.99	10929.90	10880.26	10817.94	10771.97	10704.85	10647.75
15	11017.87	11008.80	11019.02	10986.61	10965.63	10910.26	10847.42	10794.98	10723.02	10661.35
16	11060.50	11043.93	11052.70	11024.86	10995.04	10944.07	10880.04	10822.50	10748.83	10678.91
17	11089.56	11082.42	11090.26	11053.65	11023.81	10969.78	10908.51	10846.65	10769.72	10698.64
18	11120.42	11114.57	11123.30	11086.66	11057.48	11001.89	10941.20	10873.93	10790.51	10719.87
19	11154.27	11147.28	11157.47	11116.01	11090.00	11029.93	10972.41	10897.63	10816.15	10745.20
20	11191.40	11179.69	11192.42	11149.04	11118.21	11061.31	10995.90	10925.40	10843.90	10765.95
21	11216.37	11207.24	11214.46	11179.37	11146.46	11089.70	11028.44	10956.41	10873.71	10785.37
22	11243.90	11236.13	11245.14	11212.56	11174.07	11120.22	11054.88	10981.75	10896.20	10807.21
23	11267.73	11256.85	11263.62	11234.82	11203.69	11139.52	11081.44	11005.61	10919.72	10835.70
24	11288.64	11276.73	11291.80	11254.92	11226.32	11163.93	11105.87	11029.52	10943.63	10859.27
25	11305.46	11288.31	11307.52	11275.35	11244.19	11184.55	11129.86	11053.67	10966.65	10885.49
26	11316.15	11296.84	11310.90	11284.06	11255.03	11204.06	11147.22	11073.68	10990.19	10907.08
27	11319.40	11301.38	11313.22	11289.37	11267.03	11217.48	11158.55	11087.97	11004.95	10926.20
28	11312.60	11300.72	11305.78	11285.05	11265.77	11217.99	11166.97	11104.30	11022.18	10943.44
29	11289.86	11280.68	11290.94	11270.93	11254.55	11219.38	11162.40	11107.74	11028.38	10955.93
30	11270.74	11247.55	11266.16	11246.33	11239.09	11198.65	11150.25	11103.71	11026.82	10965.23
31	11235.91	11218.40	11233.03	11212.29	11206.84	11180.51	11138.25	11091.48	11019.43	10962.72
32	11187.75	11162.15	11177.00	11161.93	11161.96	11139.29	11108.68	11064.51	11002.87	10953.62
33	11123.26	11093.66	11112.69	11103.95	11105.49	11091.09	11065.64	11030.92	10970.76	10935.40
34	11035.38	11003.48	11028.23	11023.53	11035.00	11021.39	11007.75	10981.04	10928.27	10903.65
35	10928.19	10892.23	10918.63	10921.57	10942.18	10941.96	10932.24	10911.05	10871.62	10857.22
36	10793.76	10757.62	10787.90	10796.82	10826.12	10834.31	10835.71	10828.83	10788.83	10791.48

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37	10640.37	10593.62	10631.24	10645.38	10687.00	10705.39	10716.11	10714.71	10680.73	10697.12
38	10449.94	10407.24	10444.99	10461.34	10519.53	10545.86	10566.91	10578.72	10546.32	10584.07
39	10225.93	10191.11	10230.20	10252.76	10318.84	10363.02	10392.21	10408.15	10389.00	10440.41
40	9976.33	9929.30	9975.48	10005.25	10092.07	10144.10	10184.18	10204.40	10195.99	10268.64
41	9679.43	9634.64	9685.73	9723.81	9819.65	9881.46	9943.28	9974.03	9965.38	10064.71
42	9351.68	9295.13	9352.96	9397.43	9514.69	9587.27	9658.12	9698.57	9702.63	9822.39
43	8976.71	8922.90	8979.45	9032.13	9163.82	9251.62	9341.74	9383.74	9392.18	9533.65
44	8572.34	8509.65	8569.35	8632.44	8770.44	8875.70	8962.98	9020.35	9031.83	9201.29
45	8113.59	8059.61	8116.75	8177.90	8335.45	8455.62	8551.43	8616.94	8630.93	8817.27
46	7633.92	7574.75	7627.95	7697.10	7860.82	7989.22	8097.54	8166.68	8179.54	8384.68
47	7114.55	7059.97	7111.23	7180.99	7355.67	7474.10	7590.43	7668.43	7672.94	7904.00
48	6574.90	6511.46	6571.96	6642.02	6823.32	6940.28	7056.95	7136.96	7138.02	7384.03
49	6012.40	5961.38	6007.89	6092.84	6272.65	6377.94	6491.64	6572.13	6570.67	6828.61
50	5450.35	5392.11	5447.03	5522.96	5698.95	5799.81	5913.81	5987.01	5984.19	6244.11
51	4879.87	4817.70	4884.39	4956.90	5129.32	5213.62	5328.01	5397.57	5390.97	5639.53
52	4314.87	4265.92	4324.93	4394.45	4546.57	4630.63	4745.97	4804.61	4801.07	5041.66
53	3779.47	3719.48	3786.89	3852.86	3994.42	4064.84	4177.06	4237.31	4215.08	4444.39
54	3246.43	3200.97	3264.81	3313.07	3439.16	3503.99	3621.08	3677.48	3642.75	3856.91
55	2747.19	2706.90	2764.00	2802.78	2921.41	2976.23	3086.11	3136.22	3096.56	3292.53
56	2321.52	2253.11	2342.41	2322.81	2468.19	2474.80	2571.07	2613.49	2571.10	2755.98
57	1895.85	1832.82	1920.83	1870.18	2014.96	2001.19	2144.93	2117.51	2080.43	2307.39
58	1470.50	1456.97	1501.75	1486.65	1561.78	1580.58	1718.78	1673.52	1635.78	1858.81
59	1146.67	1133.67	1170.77	1158.14	1217.18	1226.20	1295.02	1306.21	1265.81	1411.22
60	886.97	873.18	908.07	891.94	934.65	938.32	991.16	994.89	956.12	1076.41
61	694.24	707.57	703.48	721.60	724.01	779.93	756.39	820.47	787.21	808.93
62	554.69	543.46	561.84	553.86	573.21	623.19	589.10	647.81	619.33	611.89
63	458.45	452.52	466.95	465.05	473.11	466.45	477.46	475.15	451.45	484.09
64	396.38	394.02	405.66	409.22	410.48	407.71	413.68	414.37	394.55	413.83
65	359.58	358.78	369.51	376.04	373.72	371.20	374.87	377.49	361.27	374.10
66	336.02	335.64	345.81	352.62	349.22	345.46	348.67	351.26	338.05	348.17
67	317.29	317.64	327.26	333.15	330.56	325.67	328.06	329.46	318.36	327.05
68	301.54	302.35	311.80	315.54	314.64	307.58	309.48	310.82	302.30	309.14
69	287.37	288.51	297.71	298.81	300.27	292.26	292.61	293.75	286.74	293.15
70	273.29	275.36	284.15	283.29	286.80	278.56	277.57	279.01	272.75	278.36
71	259.72	262.54	269.84	269.46	273.48	265.31	263.47	263.75	259.47	264.93
72	246.13	248.64	255.34	255.00	258.73	252.04	249.03	249.41	245.72	251.43
73	232.15	234.52	240.12	239.19	243.97	238.08	234.93	234.76	232.47	238.16
74	217.02	219.99	224.21	223.76	227.64	223.69	220.08	219.91	218.58	223.40
75	201.92	203.94	208.30	208.02	211.31	208.05	205.23	205.32	203.91	208.64
76	187.98	188.27	192.43	191.54	194.99	192.26	190.40	190.14	189.45	193.88
77	173.84	173.09	177.68	176.16	179.97	177.06	176.35	175.35	174.56	178.95
78	159.41	158.50	162.54	161.25	165.12	162.03	162.21	160.44	159.18	163.68
79	145.56	144.46	148.85	146.77	150.91	147.72	147.82	145.73	144.38	148.79
80	131.58	130.71	134.64	132.90	136.75	133.88	133.67	130.67	129.49	134.67
81	117.97	117.06	120.95	119.35	122.66	120.21	118.85	116.30	114.53	120.14
82	104.31	103.77	107.46	105.76	108.84	106.01	104.22	101.56	99.66	105.73
83	90.97	89.63	93.94	91.66	95.59	90.64	89.17	85.08	83.71	91.61
84	77.07	75.56	79.77	76.78	81.27	74.45	73.92	68.54	67.72	75.87
85	62.75	61.50	65.09	61.89	66.05	58.25	56.07	52.00	51.74	57.46
86	46.92	46.90	49.40	47.00	49.00	40.89	39.24	34.07	32.21	40.66
87	31.36	31.00	32.84	31.54	32.87	22.78	22.40	15.23	12.18	23.85
88	15.80	8.83	16.28	9.18	16.73	8.77	5.72	10.10	7.87	7.28
89	0.40	4.40	0.22	4.52	0.76	4.47	0.30	5.21	4.02	0.51
90	0.21	0.33	0.20	0.32	0.20	0.26	0.21	0.31	0.17	0.10
91	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.22	0.07	0.06
92	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.24	0.08	0.07

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93	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.08	0.08
94	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.29	0.09	0.08
95	0.34	0.34	0.34	0.34	0.33	0.33	0.32	0.32	0.10	0.09
96	0.39	0.39	0.38	0.38	0.38	0.38	0.37	0.37	0.11	0.11
97	0.46	0.45	0.44	0.44	0.43	0.43	0.42	0.42	0.13	0.12
98	0.52	0.51	0.50	0.50	0.49	0.49	0.48	0.47	0.15	0.14
99	0.59	0.59	0.57	0.57	0.56	0.56	0.54	0.53	0.17	0.16
100	0.67	0.67	0.65	0.65	0.64	0.63	0.61	0.61	0.19	0.18
101	0.76	0.76	0.74	0.74	0.72	0.71	0.69	0.68	0.22	0.20
102	0.86	0.86	0.84	0.83	0.81	0.80	0.78	0.77	0.25	0.23
103	0.97	0.97	0.95	0.94	0.92	0.91	0.88	0.87	0.27	0.26
104	1.09	1.08	1.06	1.05	1.03	1.02	0.99	0.97	0.31	0.29
105	1.20	1.19	1.17	1.15	1.13	1.12	1.09	1.07	0.34	0.32
106	1.30	1.29	1.26	1.25	1.23	1.21	1.18	1.16	0.38	0.36
107	1.39	1.39	1.36	1.34	1.32	1.30	1.26	1.24	0.42	0.40
108	1.50	1.49	1.46	1.44	1.42	1.40	1.35	1.33	0.47	0.45
109	1.60	1.59	1.57	1.55	1.52	1.50	1.44	1.42	0.52	0.50
110	1.71	1.70	1.68	1.65	1.62	1.60	1.53	1.50	0.58	0.55
111	1.82	1.82	1.79	1.77	1.74	1.70	1.63	1.59	0.64	0.61
112	1.93	1.93	1.91	1.89	1.85	1.81	1.72	1.68	0.71	0.66
113	2.04	2.05	2.03	2.01	1.97	1.91	1.83	1.77	0.78	0.72
114	2.16	2.17	2.16	2.13	2.08	2.02	1.93	1.87	0.86	0.77
115	2.28	2.29	2.29	2.26	2.20	2.14	2.03	1.97	0.95	0.85
116	2.40	2.42	2.42	2.39	2.33	2.25	2.15	2.08	1.04	0.93
117	2.53	2.55	2.55	2.52	2.46	2.38	2.29	2.24	1.14	1.04
118	2.65	2.68	2.68	2.65	2.59	2.52	2.42	2.40	1.24	1.14
119	2.80	2.82	2.82	2.80	2.73	2.67	2.57	2.55	1.34	1.24
120	2.96	2.96	2.96	2.94	2.89	2.81	2.72	2.70	1.45	1.35
121	3.12	3.10	3.11	3.08	3.05	2.95	2.87	2.85	1.57	1.46
122	3.28	3.27	3.27	3.24	3.20	3.09	3.02	2.99	1.68	1.58
123	3.47	3.46	3.43	3.43	3.35	3.24	3.17	3.14	1.80	1.70
124	3.66	3.67	3.60	3.61	3.51	3.40	3.32	3.30	1.92	1.82
125	3.84	3.88	3.86	3.80	3.69	3.58	3.48	3.47	2.04	1.95
126	4.03	4.09	4.12	4.02	3.88	3.77	3.67	3.64	2.17	2.07
127	4.23	4.30	4.34	4.23	4.08	3.96	3.86	3.81	2.29	2.20
128	4.44	4.52	4.55	4.45	4.29	4.15	4.05	4.00	2.42	2.32
129	4.66	4.74	4.76	4.66	4.50	4.35	4.25	4.20	2.56	2.46
130	4.89	4.95	4.97	4.87	4.71	4.55	4.46	4.42	2.72	2.61
131	5.11	5.17	5.15	5.06	4.90	4.75	4.69	4.66	2.88	2.77
132	5.31	5.40	5.35	5.24	5.09	4.93	4.89	4.87	3.06	2.95
133	5.53	5.60	5.55	5.43	5.25	5.11	5.09	5.06	3.25	3.13
134	5.74	5.78	5.73	5.61	5.40	5.29	5.27	5.23	3.42	3.32
135	5.93	5.93	5.88	5.80	5.56	5.47	5.43	5.40	3.59	3.49
136	6.11	6.07	6.04	5.96	5.74	5.68	5.58	5.57	3.75	3.66
137	6.29	6.26	6.18	6.09	5.92	5.86	5.73	5.75	3.91	3.84
138	6.47	6.43	6.33	6.23	6.12	6.05	5.91	5.94	4.08	4.02
139	6.62	6.58	6.50	6.36	6.29	6.24	6.09	6.14	4.24	4.20
140	6.78	6.76	6.67	6.51	6.46	6.41	6.27	6.35	4.38	4.36
141	6.96	6.94	6.85	6.67	6.65	6.61	6.47	6.55	4.53	4.53
142	7.17	7.11	7.04	6.82	6.86	6.79	6.67	6.75	4.69	4.72
143	7.39	7.29	7.23	6.95	7.08	6.97	6.87	6.96	4.85	4.90
144	7.60	7.49	7.44	7.10	7.26	7.15	7.06	7.16	5.01	5.08
145	7.79	7.70	7.63	7.30	7.42	7.34	7.26	7.41	5.16	5.24
146	7.99	7.90	7.83	7.56	7.61	7.53	7.46	7.62	5.29	5.38
147	8.18	8.09	8.03	7.85	7.77	7.76	7.67	7.79	5.43	5.53
148	8.35	8.28	8.24	8.09	7.93	7.98	7.86	7.96	5.56	5.65

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	8.52	8.48	8.41	8.29	8.08	8.21	8.12	8.16	5.69	5.78
150	8.69	8.63	8.50	8.45	8.25	8.43	8.39	8.35	5.83	5.93
151	8.86	8.77	8.58	8.58	8.39	8.63	8.65	8.54	5.99	6.08
152	9.00	8.93	8.73	8.71	8.55	8.77	8.89	8.72	6.14	6.24
153	9.16	9.09	8.86	8.87	8.79	8.91	9.14	8.87	6.26	6.38
154	9.32	9.24	8.97	9.04	9.01	9.06	9.38	9.02	6.37	6.52
155	9.47	9.36	9.06	9.19	9.19	9.21	9.59	9.17	6.47	6.64
156	9.62	9.47	9.13	9.29	9.34	9.33	9.79	9.39	6.58	6.76
157	9.75	9.59	9.21	9.35	9.43	9.44	9.95	9.59	6.71	6.88
158	9.88	9.73	9.31	9.42	9.52	9.54	10.06	9.79	6.84	6.99
159	10.00	9.87	9.41	9.54	9.60	9.67	10.13	9.97	6.94	7.09
160	10.09	9.97	9.52	9.63	9.69	9.83	10.18	10.07	6.99	7.13
161	10.16	10.02	9.58	9.66	9.75	9.94	10.19	10.13	7.02	7.15
162	10.21	10.03	9.62	9.64	9.77	9.97	10.18	10.13	7.02	7.17
163	10.26	10.05	9.70	9.64	9.78	9.96	10.17	10.13	7.07	7.24
164	10.33	10.08	9.81	9.69	9.79	9.95	10.16	10.15	7.17	7.35
165	10.43	10.15	9.90	9.82	9.81	9.96	10.18	10.17	7.28	7.49
166	10.49	10.21	9.96	9.91	9.84	10.02	10.19	10.15	7.43	7.62
167	10.51	10.18	9.97	9.87	9.80	9.96	10.18	10.13	7.58	7.76
168	10.49	10.12	9.98	9.82	9.69	9.90	10.17	10.09	7.69	7.86
169	10.41	9.97	9.90	9.82	9.61	9.90	10.08	9.98	7.78	7.94
170	10.32	9.86	9.81	9.79	9.42	9.78	9.99	9.88	7.76	7.93
171	10.27	9.81	9.73	9.83	9.38	9.79	9.98	9.91	7.74	7.93
172	10.24	9.81	9.59	9.85	9.44	9.83	9.98	9.96	7.85	8.02
173	10.17	9.75	9.43	9.79	9.41	9.78	9.91	9.91	8.06	8.21
174	10.11	9.71	9.34	9.69	9.35	9.77	9.87	9.92	8.45	8.56
175	10.06	9.62	9.35	9.56	9.32	9.72	9.80	9.90	8.83	8.95
176	9.99	9.55	9.37	9.42	9.24	9.59	9.64	9.76	9.02	9.22
177	9.84	9.47	9.34	9.25	9.18	9.48	9.47	9.62	9.20	9.46
178	9.61	9.34	9.20	8.99	9.05	9.27	9.24	9.40	9.23	9.51
179	9.50	9.27	9.19	8.88	9.01	9.15	9.15	9.32	9.28	9.52
180	9.14	9.14	9.14	9.14	9.14	9.14	9.14	9.14	9.14	9.14

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	10569.13	10569.13	10569.13	10569.13	10569.13
1	10558.41	10557.70	10554.35	10554.54	10554.91
2	10550.00	10551.97	10550.54	10541.40	10547.02
3	10546.20	10539.96	10540.76	10529.70	10538.73
4	10545.42	10534.05	10533.78	10520.40	10535.62
5	10541.09	10529.68	10535.28	10517.34	10524.22
6	10547.01	10532.33	10524.56	10512.85	10524.54
7	10540.37	10526.22	10523.61	10511.46	10516.44
8	10545.59	10527.19	10519.46	10506.87	10514.91
9	10544.06	10525.24	10518.44	10501.05	10517.26
10	10555.25	10529.00	10517.74	10496.79	10515.93
11	10563.38	10532.18	10517.39	10500.51	10515.57
12	10564.59	10537.22	10526.13	10506.06	10525.16
13	10573.62	10544.86	10534.94	10510.19	10531.68
14	10585.94	10549.54	10537.02	10517.74	10541.58
15	10602.15	10562.65	10547.57	10528.94	10553.55
16	10615.93	10573.73	10558.62	10541.01	10564.95
17	10632.44	10587.79	10574.98	10551.12	10572.90
18	10652.37	10604.11	10587.87	10567.94	10591.39
19	10668.20	10625.91	10600.00	10580.11	10609.52

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CANDELA TABULATION - (Cont.)

20	10690.28	10646.62	10617.45	10593.94	10625.46
21	10711.76	10665.22	10642.93	10618.00	10643.73
22	10738.50	10687.31	10664.72	10636.44	10667.25
23	10758.92	10712.49	10687.23	10658.23	10683.98
24	10786.49	10739.15	10710.13	10680.26	10708.70
25	10811.04	10760.31	10727.59	10703.63	10732.13
26	10834.19	10774.42	10755.27	10727.10	10754.01
27	10859.44	10804.88	10768.13	10747.77	10781.92
28	10874.06	10822.31	10790.53	10764.54	10795.78
29	10891.28	10838.43	10809.28	10779.56	10811.20
30	10899.45	10850.88	10818.87	10791.42	10818.34
31	10904.22	10852.95	10829.89	10799.58	10822.94
32	10897.82	10855.19	10833.25	10803.04	10819.60
33	10881.80	10845.24	10821.29	10791.85	10803.06
34	10851.94	10824.20	10799.27	10769.39	10786.17
35	10808.37	10788.07	10762.76	10732.05	10739.21
36	10745.41	10731.36	10704.72	10677.19	10678.22
37	10663.48	10657.70	10625.32	10604.72	10600.18
38	10560.82	10556.26	10526.76	10504.84	10501.69
39	10424.06	10426.85	10404.80	10380.22	10369.01
40	10253.46	10263.79	10256.09	10227.19	10203.56
41	10051.83	10075.57	10059.25	10038.50	10005.24
42	9803.05	9840.96	9830.71	9815.36	9760.44
43	9519.72	9565.12	9553.58	9533.60	9474.73
44	9183.32	9239.05	9223.90	9209.81	9140.27
45	8798.39	8863.43	8855.11	8837.68	8750.17
46	8367.20	8430.90	8417.86	8400.06	8299.71
47	7879.37	7958.08	7936.86	7916.95	7800.41
48	7355.49	7435.28	7410.30	7397.71	7276.99
49	6801.45	6875.28	6849.14	6834.97	6707.52
50	6225.28	6286.65	6257.31	6247.43	6118.08
51	5631.79	5694.20	5657.97	5655.13	5528.49
52	5042.66	5097.97	5052.73	5045.04	4939.93
53	4454.79	4505.88	4465.21	4452.65	4361.66
54	3868.27	3932.85	3882.91	3865.46	3789.77
55	3302.61	3356.79	3320.00	3305.46	3238.08
56	2748.08	2800.00	2764.30	2755.53	2682.98
57	2232.16	2338.36	2251.16	2295.30	2167.86
58	1764.68	1876.72	1782.62	1835.07	1704.94
59	1370.09	1416.53	1374.86	1376.80	1302.81
60	1041.57	1074.03	1035.60	1033.47	982.14
61	853.75	811.22	850.64	777.72	816.82
62	666.56	619.95	667.66	603.01	652.64
63	479.38	496.87	484.68	494.80	488.46
64	411.26	427.28	418.28	428.99	426.05
65	373.90	385.54	378.46	385.34	382.88
66	347.76	357.01	349.98	353.85	353.15
67	327.21	334.74	328.19	330.15	330.19
68	309.25	315.08	309.72	310.49	311.34
69	293.14	298.37	294.00	294.15	294.62
70	278.28	283.20	280.05	279.55	278.75
71	264.10	268.87	266.62	265.80	264.52
72	250.15	254.73	253.02	252.48	250.41
73	235.63	240.46	239.25	238.84	236.11
74	221.81	225.55	225.20	223.94	221.97
75	207.44	210.64	210.01	209.04	207.32

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CANDELA TABULATION - (Cont.)

76	193.39	195.73	195.20	194.14	192.45
77	179.11	181.35	180.60	179.34	178.11
78	164.92	166.37	166.09	164.50	163.76
79	150.79	151.85	151.99	150.17	149.71
80	136.70	137.87	137.81	136.00	135.48
81	122.50	123.99	123.95	122.41	121.76
82	108.04	110.42	110.41	108.73	107.91
83	93.33	96.66	97.12	95.17	94.44
84	77.01	81.86	82.74	81.22	80.37
85	60.66	65.80	68.36	67.15	66.29
86	44.31	50.49	53.97	53.30	52.20
87	26.56	35.01	38.68	36.24	37.90
88	10.64	19.53	21.89	19.19	13.04
89	5.43	4.27	14.41	2.41	8.58
90	0.23	0.09	7.26	0.07	4.36
91	0.07	0.07	0.11	0.06	0.15
92	0.07	0.07	0.07	0.07	0.07
93	0.08	0.08	0.08	0.08	0.08
94	0.09	0.08	0.09	0.08	0.09
95	0.09	0.09	0.10	0.09	0.10
96	0.11	0.10	0.11	0.10	0.11
97	0.12	0.12	0.12	0.12	0.12
98	0.14	0.14	0.15	0.14	0.14
99	0.16	0.16	0.16	0.16	0.16
100	0.18	0.18	0.19	0.18	0.18
101	0.20	0.20	0.21	0.20	0.21
102	0.23	0.23	0.24	0.23	0.23
103	0.26	0.25	0.27	0.26	0.26
104	0.29	0.28	0.29	0.29	0.29
105	0.32	0.32	0.33	0.32	0.33
106	0.36	0.35	0.37	0.36	0.37
107	0.40	0.40	0.41	0.41	0.42
108	0.45	0.44	0.46	0.46	0.47
109	0.50	0.49	0.52	0.52	0.52
110	0.55	0.55	0.58	0.58	0.59
111	0.62	0.61	0.64	0.65	0.66
112	0.68	0.67	0.71	0.72	0.74
113	0.75	0.74	0.77	0.80	0.82
114	0.83	0.82	0.84	0.88	0.91
115	0.91	0.91	0.92	0.97	1.00
116	1.00	1.00	1.02	1.06	1.10
117	1.09	1.10	1.13	1.16	1.20
118	1.19	1.20	1.24	1.26	1.30
119	1.30	1.31	1.36	1.36	1.41
120	1.41	1.42	1.48	1.47	1.52
121	1.53	1.53	1.61	1.57	1.64
122	1.65	1.65	1.73	1.67	1.76
123	1.76	1.76	1.86	1.77	1.88
124	1.88	1.89	1.99	1.86	2.00
125	2.00	2.00	2.13	1.97	2.12
126	2.12	2.13	2.26	2.10	2.25
127	2.26	2.24	2.41	2.24	2.37
128	2.41	2.36	2.55	2.39	2.50
129	2.57	2.49	2.70	2.56	2.63
130	2.72	2.61	2.85	2.74	2.77
131	2.87	2.74	3.00	2.92	2.92

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

132	3.02	2.87	3.13	3.10	3.08
133	3.16	3.00	3.26	3.29	3.24
134	3.29	3.13	3.38	3.45	3.39
135	3.43	3.25	3.49	3.60	3.52
136	3.59	3.42	3.62	3.73	3.65
137	3.75	3.62	3.78	3.89	3.80
138	3.89	3.85	3.95	4.06	3.96
139	4.03	4.03	4.13	4.23	4.12
140	4.20	4.17	4.31	4.39	4.27
141	4.38	4.29	4.49	4.55	4.44
142	4.56	4.41	4.67	4.70	4.60
143	4.71	4.54	4.84	4.84	4.75
144	4.89	4.70	4.99	4.96	4.89
145	5.07	4.88	5.09	5.09	5.05
146	5.25	5.04	5.17	5.21	5.19
147	5.40	5.20	5.25	5.33	5.30
148	5.55	5.36	5.30	5.46	5.37
149	5.71	5.49	5.37	5.57	5.43
150	5.89	5.61	5.43	5.67	5.50
151	6.08	5.73	5.53	5.76	5.58
152	6.27	5.85	5.65	5.86	5.67
153	6.44	5.95	5.79	5.98	5.77
154	6.57	6.03	5.93	6.09	5.83
155	6.70	6.12	6.05	6.19	5.85
156	6.82	6.21	6.12	6.25	5.86
157	6.91	6.32	6.18	6.28	5.90
158	6.95	6.44	6.25	6.29	5.93
159	6.97	6.57	6.31	6.32	5.98
160	6.99	6.68	6.39	6.32	6.04
161	7.00	6.78	6.49	6.35	6.07
162	7.04	6.88	6.58	6.41	6.12
163	7.14	6.99	6.68	6.55	6.27
164	7.26	7.15	6.80	6.72	6.46
165	7.40	7.31	6.97	6.92	6.69
166	7.56	7.49	7.16	7.11	6.91
167	7.69	7.68	7.31	7.26	7.05
168	7.84	7.79	7.38	7.31	7.17
169	7.94	7.90	7.38	7.35	7.29
170	7.96	7.94	7.36	7.40	7.37
171	7.94	7.94	7.39	7.44	7.40
172	8.02	8.04	7.54	7.56	7.47
173	8.20	8.22	7.74	7.73	7.58
174	8.57	8.56	8.12	8.03	7.82
175	8.92	8.93	8.49	8.35	8.06
176	9.16	9.14	8.74	8.63	8.27
177	9.34	9.33	8.93	8.87	8.49
178	9.44	9.43	9.08	9.00	8.65
179	9.52	9.52	9.22	9.12	8.90
180	9.14	9.14	9.14	9.14	9.14

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4075.8	15.80	15.80
0-30	9175.34	35.50	35.50
0-40	15928.87	61.60	61.60
0-60	25091.77	97.10	97.10
0-80	25754.86	99.70	99.70
0-90	25819.84	99.90	99.90
10-90	24805.11	96.00	96.00
20-40	11853.07	45.90	45.90
20-50	18241.31	70.60	70.60
40-70	9607.68	37.20	37.20
60-80	663.09	2.60	2.60
70-80	218.32	0.80	0.80
80-90	64.98	0.30	0.30
90-110	1.07	0.00	0.00
90-120	2.65	0.00	0.00
90-130	5.23	0.00	0.00
90-150	12.66	0.00	0.00
90-180	19.55	0.10	0.10
110-180	18.48	0.10	0.10
0-180	25839.4	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1014.73
10-20	3061.07
20-30	5099.54
30-40	6753.53
40-50	6388.24
50-60	2774.66
60-70	444.78
70-80	218.32
80-90	64.98
90-100	0.29
100-110	0.79
110-120	1.57
120-130	2.58
130-140	3.52
140-150	3.91
150-160	3.59
160-170	2.45
170-180	0.86

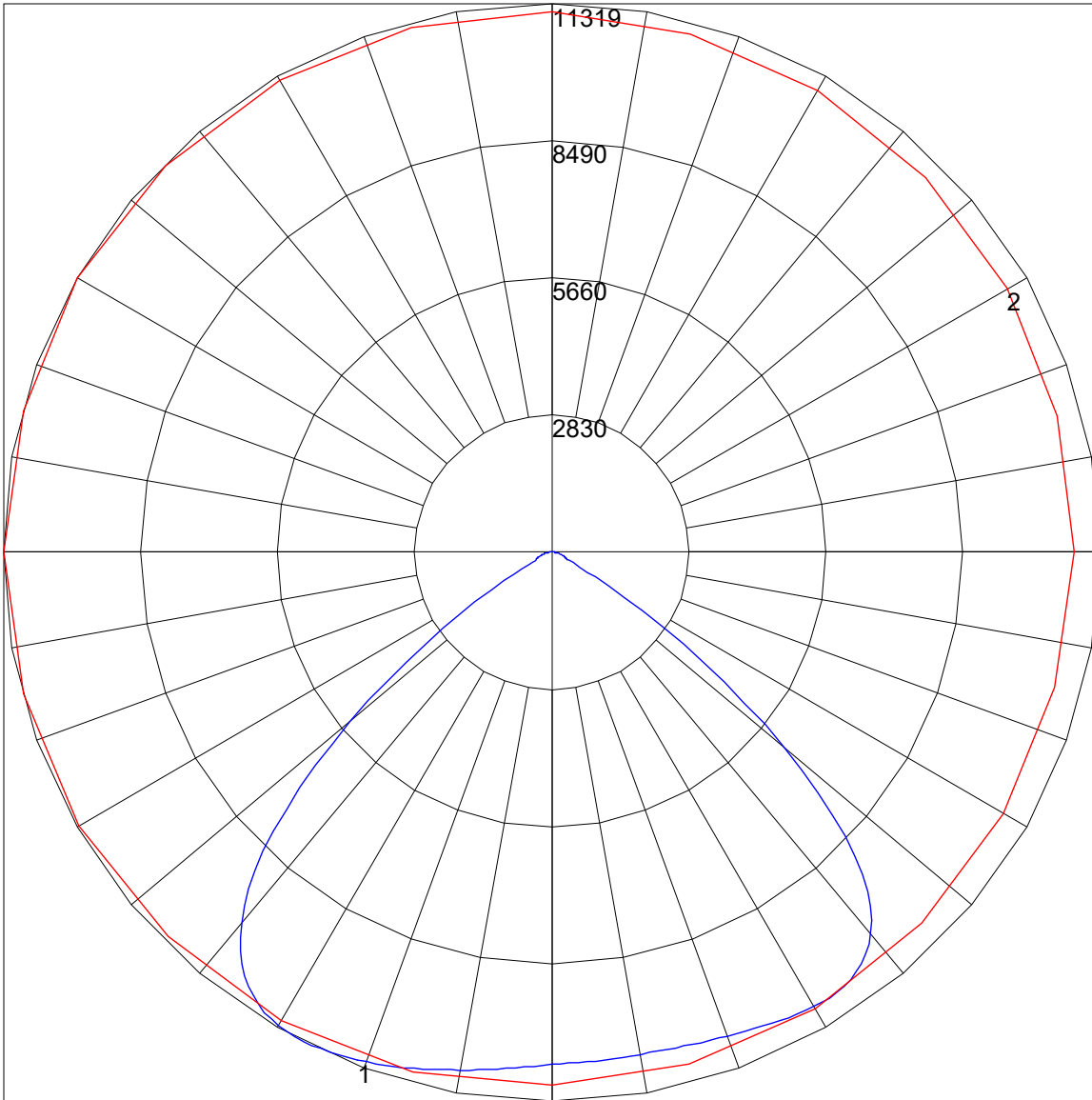
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	57	52	75	64	57	51	63	56	51	61	55	51	59	54	50	48
7	71	59	52	46	70	59	51	46	57	50	46	56	50	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32

POLAR GRAPH



Maximum Candela = 11319.4 Located At Horizontal Angle = 150, Vertical Angle = 27
1 - Vertical Plane Through Horizontal Angles (150 - 330) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27) (Through Max. Cd.)