

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : C65-1-LSCS-ED-1-GLWD\_4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 70.402.24.061.69-01

[TESTLAB] Bay Area Compliance Labs Corp. (FOR CURRENT)

[TESTDATE] 2025-1-20

[ISSUEDATE] 2025-01-24 14:31:37

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] COLUMBIA LIGHTING

[LUMCAT] C65-1-LSSC-ED-1-GLWD\_4000K

[LUMINAIRE] C65-LSCS Linear High Bay, Size 1, Switchable Lumen & CCT, 120-277V

[BALLASTCAT] LF-FCA200

[\_SEARCH\_SOURCETYPE] LED

[\_SEARCH\_APPLICATION] Indoor Ambient Direct

[\_SEARCH\_MOUNTING] Surface, Suspended

[\_SEARCH\_COLOR TEMP] 4000K

[\_SEARCH\_CRI] 80

[OTHER]

[OTHER]	Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
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[OTHER]	0- 10	789.71	789.71	3.48	3.48
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[OTHER]	10- 20	2285.82	3075.53	13.55	13.55
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[OTHER]	20- 30	3530.87	6606.40	29.10	29.10
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[OTHER]	30- 40	4303.27	10909.66	48.06	48.06
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[OTHER]	40- 50	4340.66	15250.33	67.18	67.18
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[OTHER]	50- 60	3709.32	18959.65	83.52	83.52
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[OTHER]	60- 70	2579.82	21539.47	94.89	94.89
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[OTHER]	70- 80	1042.68	22582.15	99.48	99.48
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[OTHER]	80- 90	103.74	22685.88	99.94	99.94
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[OTHER]	90-100	0.89	22686.77	99.94	99.94
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[OTHER]	100-110	0.91	22687.68	99.94	99.94
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[OTHER]	110-120	1.34	22689.03	99.95	99.95
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[OTHER]	120-130	1.98	22691.01	99.96	99.96
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[OTHER]	130-140	2.49	22693.50	99.97	99.97
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[OTHER]	140-150	2.60	22696.10	99.98	99.98
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[OTHER]	150-160	2.26	22698.36	99.99	99.99
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[OTHER]	160-170	1.42	22699.78	100.00	100.00
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[OTHER]	170-180	0.41	22700.20	100.00	100.00
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[OTHER]

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**CHARACTERISTICS**

Lumens Per Lamp	22700 (1 lamp)
Total Lamp Lumens	22700
Luminaire Lumens	22700
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	161.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.26 m
Luminous Width (90-270)	0.43 m
Luminous Height	0.00 m

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	75519	71870	62625
55	73397	61932	57032
65	67274	51060	46841
75	48178	30086	21339
85	12396	3649	3746

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**CANDELA TABULATION**

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>	<u>105</u>	<u>120</u>	<u>135</u>
0	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81
1	8321.88	8321.09	8321.88	8321.06	8321.04	8320.28	8320.17	8320.16	8319.39	8319.33
2	8319.46	8320.27	8319.46	8317.83	8318.69	8317.83	8316.96	8316.15	8315.39	8314.58
3	8316.28	8316.29	8316.28	8313.05	8313.83	8312.24	8310.49	8309.67	8308.89	8308.98
4	8309.97	8309.97	8310.75	8307.51	8306.72	8305.13	8301.47	8301.49	8300.67	8299.74
5	8301.96	8301.94	8301.93	8298.71	8297.88	8296.29	8291.84	8291.83	8289.51	8288.59
6	8292.10	8291.29	8292.12	8287.24	8286.40	8284.82	8277.90	8277.82	8275.45	8274.82
7	8280.31	8278.71	8278.73	8273.88	8271.47	8269.88	8262.41	8261.34	8259.70	8259.35
8	8265.87	8265.00	8264.21	8258.57	8255.33	8252.17	8244.23	8242.70	8241.89	8241.52
9	8249.44	8247.83	8247.02	8241.32	8238.09	8234.85	8226.49	8224.25	8221.36	8221.93
10	8232.79	8231.17	8229.57	8221.55	8216.69	8212.65	8203.77	8202.40	8199.33	8198.68
11	8211.81	8210.14	8208.51	8198.86	8193.96	8190.75	8179.62	8177.40	8173.53	8173.07
12	8190.29	8187.10	8183.90	8174.23	8169.32	8165.35	8153.31	8150.22	8147.80	8146.10
13	8165.26	8162.03	8158.07	8148.33	8142.62	8137.84	8125.31	8122.15	8118.23	8117.28
14	8138.18	8136.69	8129.29	8119.70	8114.69	8109.17	8094.99	8091.83	8088.70	8086.18
15	8109.48	8105.55	8097.48	8088.62	8083.67	8078.08	8062.39	8058.86	8056.65	8054.15
16	8077.63	8073.58	8064.71	8055.87	8050.12	8042.16	8026.19	8022.91	8020.94	8019.81
17	8044.70	8039.85	8030.17	8020.46	8014.87	8005.10	7987.44	7983.27	7982.96	7982.53
18	8008.91	8003.15	7992.75	7983.91	7976.53	7966.12	7946.80	7943.53	7942.82	7944.30
19	7970.95	7964.58	7953.17	7945.14	7936.13	7925.02	7905.30	7901.23	7898.79	7902.68
20	7930.67	7924.87	7912.06	7901.67	7892.62	7881.28	7860.35	7856.40	7853.94	7858.61
21	7887.64	7881.05	7868.11	7857.70	7847.84	7835.04	7815.22	7811.27	7808.17	7812.95
22	7842.37	7835.19	7824.48	7812.40	7802.51	7788.32	7765.35	7760.73	7759.37	7763.32
23	7796.37	7788.40	7776.15	7763.48	7751.99	7736.63	7714.42	7709.68	7708.18	7710.70
24	7746.59	7738.34	7725.40	7710.36	7698.03	7683.58	7659.41	7655.16	7653.82	7657.63
25	7694.75	7685.83	7672.87	7656.72	7642.91	7628.49	7603.43	7599.04	7597.07	7602.00
26	7639.92	7630.99	7617.24	7600.44	7585.66	7570.46	7539.66	7539.46	7538.28	7543.40
27	7583.26	7575.12	7559.74	7540.54	7525.55	7505.69	7465.10	7468.85	7475.97	7481.86
28	7523.79	7515.02	7498.83	7478.49	7463.17	7429.38	7383.07	7391.96	7413.05	7416.92
29	7460.55	7453.17	7436.02	7413.65	7397.98	7346.15	7293.15	7306.24	7342.39	7351.31
30	7396.02	7388.50	7371.66	7347.66	7321.21	7256.39	7197.35	7213.74	7263.39	7282.61
31	7328.90	7319.97	7303.92	7277.37	7237.96	7159.18	7092.95	7114.77	7174.73	7212.38
32	7257.66	7249.49	7233.26	7206.06	7147.09	7051.58	6973.61	7003.57	7083.56	7138.75
33	7183.36	7174.40	7159.74	7132.54	7050.41	6932.61	6841.58	6881.79	6983.26	7061.72
34	7103.69	7095.49	7082.44	7052.89	6946.56	6799.12	6701.71	6745.48	6876.79	6980.66
35	7021.78	7012.00	7004.78	6968.02	6833.15	6659.46	6560.18	6605.95	6756.77	6887.82
36	6937.05	6928.04	6923.03	6873.52	6706.57	6520.34	6412.74	6459.28	6624.36	6788.13
37	6843.97	6834.17	6834.77	6770.71	6569.32	6372.49	6268.48	6314.20	6484.06	6685.49
38	6748.33	6740.10	6743.94	6664.12	6425.40	6229.30	6125.42	6168.84	6339.41	6577.44
39	6648.72	6640.49	6645.15	6553.06	6278.28	6085.74	5978.73	6026.46	6193.88	6460.17
40	6545.06	6538.41	6547.03	6433.30	6131.90	5941.44	5827.76	5878.57	6047.97	6334.15
41	6438.05	6429.81	6441.71	6304.33	5985.94	5789.51	5659.08	5726.78	5900.92	6196.45
42	6328.22	6320.26	6334.21	6160.02	5839.96	5627.53	5481.88	5558.67	5756.17	6051.68
43	6213.59	6206.12	6219.63	6009.08	5696.74	5452.05	5298.90	5377.63	5606.13	5900.81
44	6097.56	6090.09	6099.61	5849.93	5544.11	5269.12	5118.27	5199.05	5453.55	5747.71
45	5981.65	5972.89	5972.42	5692.65	5388.09	5084.49	4960.39	5027.90	5288.89	5595.79
46	5859.51	5851.67	5835.44	5533.06	5221.62	4901.53	4802.50	4856.75	5113.80	5445.12
47	5740.17	5729.47	5694.76	5377.07	5042.70	4733.04	4645.08	4686.32	4933.52	5296.97
48	5619.32	5606.68	5549.26	5223.16	4861.34	4583.69	4503.91	4540.87	4753.25	5141.59
49	5495.59	5481.65	5398.23	5061.39	4671.45	4441.22	4368.75	4400.08	4573.11	4980.52
50	5372.29	5357.50	5243.77	4895.82	4492.72	4300.55	4239.15	4262.96	4404.11	4819.45
51	5250.28	5231.97	5077.52	4726.00	4326.27	4165.41	4121.37	4131.84	4248.85	4657.82
52	5120.20	5102.15	4906.79	4548.94	4171.31	4041.77	4007.79	4012.92	4101.97	4476.92
53	4987.60	4969.19	4730.81	4371.76	4022.80	3926.15	3896.21	3898.39	3956.81	4282.77

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**CANDELA TABULATION - (Cont.)**

54	4853.75	4833.68	4553.31	4177.92	3873.25	3811.45	3780.09	3783.24	3816.43	4083.43
55	4715.78	4692.48	4380.53	3979.16	3734.38	3694.60	3664.32	3666.02	3690.05	3885.73
56	4576.59	4548.16	4213.89	3783.50	3605.74	3573.75	3546.88	3545.35	3568.60	3697.23
57	4435.23	4400.71	4052.77	3597.40	3480.77	3450.70	3425.89	3423.89	3447.74	3525.54
58	4288.22	4250.43	3890.02	3428.09	3352.96	3328.66	3302.09	3300.88	3323.43	3361.59
59	4138.34	4098.89	3725.58	3269.30	3224.75	3204.32	3175.82	3176.01	3197.71	3200.97
60	3986.83	3942.19	3559.09	3112.88	3092.59	3075.74	3047.33	3048.34	3069.81	3048.85
61	3830.23	3781.55	3392.75	2966.77	2959.05	2942.29	2905.50	2913.45	2936.16	2909.95
62	3671.78	3615.08	3227.68	2827.58	2822.60	2800.26	2730.24	2767.72	2803.09	2777.19
63	3509.58	3443.06	3053.26	2691.46	2682.42	2620.67	2522.96	2579.58	2663.47	2643.78
64	3349.59	3268.60	2872.37	2555.60	2536.89	2416.51	2361.84	2381.69	2515.89	2511.56
65	3184.77	3080.44	2677.86	2417.21	2356.33	2264.78	2217.46	2231.96	2337.46	2375.20
66	3013.85	2891.40	2483.03	2280.01	2174.98	2113.38	2054.75	2087.72	2131.76	2238.99
67	2830.09	2687.76	2306.44	2142.83	1993.62	1961.97	1834.97	1912.83	1969.69	2104.93
68	2638.72	2471.86	2129.96	2005.66	1846.48	1743.33	1631.27	1683.53	1823.81	1957.90
69	2448.54	2274.99	1953.48	1848.62	1706.32	1539.48	1485.33	1503.43	1670.31	1784.43
70	2270.12	2078.54	1780.25	1650.12	1529.09	1396.38	1364.53	1372.22	1459.24	1599.43
71	2091.77	1882.09	1612.64	1487.65	1322.07	1270.67	1180.89	1242.30	1269.07	1451.25
72	1913.41	1705.96	1457.87	1349.72	1166.80	1076.13	1026.39	1050.93	1140.01	1319.83
73	1744.98	1543.74	1316.86	1217.69	1043.14	944.58	914.54	929.33	1004.07	1186.29
74	1577.32	1386.17	1179.79	1061.22	862.92	834.72	736.98	807.98	834.07	1006.08
75	1396.78	1227.01	1019.13	872.25	745.82	642.01	618.67	668.34	732.25	844.85
76	1228.19	1071.32	871.61	737.41	647.28	483.00	500.35	528.70	601.18	710.14
77	1062.65	917.48	748.76	584.62	479.51	393.88	382.03	390.30	470.12	603.95
78	901.11	779.46	626.24	484.74	345.90	324.46	263.56	315.97	339.81	497.76
79	749.25	644.73	516.01	402.94	283.58	242.17	178.65	185.50	276.64	390.80
80	609.68	515.07	395.90	267.23	212.82	159.61	120.53	143.03	166.10	247.57
81	476.48	389.02	273.56	203.48	141.83	77.05	73.13	74.90	124.20	188.74
82	362.22	275.90	207.99	142.40	70.83	63.46	63.67	64.99	97.73	113.98
83	257.11	209.14	143.19	81.33	55.21	54.34	54.22	55.08	71.25	87.80
84	188.57	142.72	78.39	46.27	45.83	45.41	44.79	45.20	45.19	61.61
85	121.02	76.31	46.29	35.62	36.83	37.03	36.57	36.73	36.42	35.50
86	53.46	41.21	26.14	26.56	28.65	28.87	27.98	28.66	28.45	26.37
87	22.25	17.94	16.00	21.38	23.05	23.21	18.77	19.23	19.09	17.88
88	16.76	13.56	12.13	16.20	17.44	17.55	9.55	9.80	9.73	12.00
89	11.44	9.24	8.28	11.02	11.84	11.90	0.38	0.39	0.43	6.11
90	6.11	4.92	4.43	5.85	6.24	6.24	0.38	0.39	0.40	0.42
91	0.78	0.60	0.58	0.67	0.63	0.59	0.40	0.41	0.41	0.44
92	0.65	0.62	0.59	0.57	0.55	0.55	0.42	0.43	0.44	0.46
93	0.66	0.64	0.61	0.59	0.59	0.59	0.45	0.45	0.46	0.49
94	0.67	0.64	0.62	0.61	0.62	0.62	0.48	0.49	0.50	0.52
95	0.66	0.64	0.63	0.63	0.65	0.66	0.52	0.53	0.53	0.55
96	0.66	0.64	0.64	0.64	0.67	0.69	0.56	0.56	0.57	0.58
97	0.66	0.64	0.64	0.65	0.70	0.71	0.59	0.60	0.60	0.60
98	0.66	0.66	0.65	0.65	0.71	0.74	0.63	0.63	0.62	0.62
99	0.66	0.66	0.66	0.66	0.73	0.76	0.66	0.66	0.64	0.64
100	0.66	0.67	0.67	0.69	0.76	0.78	0.69	0.68	0.67	0.67
101	0.67	0.68	0.68	0.73	0.77	0.81	0.72	0.72	0.71	0.71
102	0.68	0.69	0.70	0.76	0.79	0.84	0.76	0.76	0.75	0.76
103	0.71	0.71	0.72	0.77	0.81	0.87	0.81	0.81	0.80	0.81
104	0.72	0.73	0.74	0.81	0.83	0.89	0.86	0.86	0.86	0.87
105	0.69	0.77	0.75	0.85	0.86	0.92	0.91	0.91	0.91	0.93
106	0.71	0.77	0.74	0.92	0.90	0.94	0.96	0.96	0.97	0.99
107	0.73	0.76	0.77	1.00	0.95	0.96	1.02	1.02	1.03	1.05
108	0.77	0.79	0.80	1.03	0.99	0.99	1.09	1.08	1.10	1.10
109	0.81	0.81	0.81	1.07	1.02	1.01	1.17	1.15	1.17	1.16

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**CANDELA TABULATION - (Cont.)**

110	0.83	0.83	0.84	1.11	1.03	1.04	1.25	1.23	1.25	1.22
111	0.81	0.88	0.90	1.13	1.03	1.06	1.33	1.31	1.32	1.28
112	0.78	0.87	0.94	1.16	1.05	1.09	1.41	1.39	1.39	1.34
113	0.74	0.88	0.96	1.17	1.09	1.12	1.50	1.48	1.47	1.42
114	0.76	0.91	0.97	1.16	1.13	1.16	1.59	1.57	1.56	1.50
115	0.80	0.94	0.97	1.17	1.20	1.21	1.68	1.67	1.64	1.60
116	0.84	0.97	0.97	1.19	1.28	1.26	1.79	1.76	1.73	1.69
117	0.88	1.00	0.98	1.22	1.35	1.31	1.90	1.87	1.82	1.79
118	0.90	1.05	1.01	1.25	1.40	1.35	1.99	1.99	1.92	1.89
119	0.92	1.11	1.07	1.30	1.43	1.37	2.08	2.10	2.04	2.02
120	0.94	1.09	1.12	1.34	1.45	1.40	2.20	2.24	2.17	2.16
121	0.98	1.14	1.23	1.38	1.46	1.42	2.38	2.43	2.31	2.32
122	1.01	1.23	1.31	1.40	1.47	1.46	2.57	2.61	2.48	2.48
123	1.05	1.36	1.35	1.43	1.48	1.51	2.76	2.80	2.64	2.64
124	1.10	1.45	1.39	1.47	1.51	1.56	2.97	2.99	2.80	2.79
125	1.16	1.52	1.43	1.52	1.56	1.62	3.17	3.16	2.98	2.95
126	1.22	1.57	1.47	1.58	1.61	1.68	3.36	3.31	3.16	3.10
127	1.29	1.62	1.52	1.64	1.66	1.74	3.55	3.46	3.34	3.25
128	1.36	1.65	1.57	1.69	1.71	1.80	3.72	3.60	3.52	3.39
129	1.42	1.68	1.64	1.72	1.78	1.85	3.87	3.74	3.69	3.53
130	1.48	1.71	1.72	1.74	1.83	1.89	4.01	3.89	3.85	3.67
131	1.54	1.73	1.80	1.74	1.88	1.92	4.15	4.05	4.00	3.81
132	1.59	1.74	1.88	1.76	1.92	1.93	4.29	4.18	4.12	3.97
133	1.63	1.74	1.94	1.81	1.98	1.94	4.42	4.29	4.24	4.11
134	1.67	1.75	1.99	1.87	2.02	1.96	4.58	4.41	4.36	4.26
135	1.71	1.77	2.03	1.95	2.08	1.99	4.69	4.52	4.49	4.41
136	1.75	1.80	2.07	2.05	2.12	2.04	4.82	4.64	4.62	4.58
137	1.80	1.84	2.10	2.16	2.17	2.09	4.93	4.76	4.77	4.74
138	1.85	1.90	2.13	2.25	2.23	2.17	5.06	4.89	4.92	4.90
139	1.90	1.95	2.16	2.32	2.29	2.24	5.23	5.03	5.09	5.05
140	1.96	2.02	2.19	2.38	2.36	2.32	5.42	5.19	5.28	5.20
141	2.01	2.10	2.24	2.44	2.42	2.40	5.60	5.36	5.46	5.36
142	2.06	2.19	2.29	2.49	2.49	2.47	5.79	5.54	5.66	5.51
143	2.12	2.27	2.34	2.54	2.55	2.53	5.97	5.73	5.85	5.65
144	2.18	2.34	2.40	2.60	2.59	2.58	6.14	5.94	6.04	5.80
145	2.24	2.41	2.46	2.65	2.62	2.63	6.31	6.13	6.22	5.95
146	2.32	2.47	2.51	2.70	2.63	2.68	6.44	6.31	6.41	6.09
147	2.39	2.53	2.57	2.76	2.64	2.72	6.57	6.47	6.57	6.22
148	2.47	2.58	2.62	2.82	2.66	2.77	6.69	6.61	6.71	6.35
149	2.54	2.62	2.67	2.88	2.68	2.82	6.80	6.73	6.84	6.47
150	2.62	2.67	2.72	2.93	2.71	2.87	6.91	6.83	6.96	6.57
151	2.71	2.72	2.76	2.99	2.75	2.91	6.98	6.90	7.04	6.66
152	2.78	2.77	2.80	3.04	2.81	2.95	7.05	6.97	7.10	6.74
153	2.86	2.81	2.83	3.08	2.87	2.99	7.08	7.00	7.15	6.81
154	2.93	2.86	2.86	3.12	2.94	3.03	7.14	7.04	7.18	6.85
155	2.99	2.90	2.89	3.17	3.01	3.06	7.20	7.10	7.21	6.89
156	3.06	2.95	2.92	3.21	3.08	3.10	7.26	7.16	7.22	6.91
157	3.12	3.00	2.95	3.24	3.14	3.13	7.36	7.24	7.22	6.92
158	3.17	3.04	2.98	3.26	3.20	3.16	7.43	7.31	7.19	6.93
159	3.22	3.08	3.02	3.27	3.25	3.18	7.45	7.35	7.17	6.92
160	3.27	3.12	3.05	3.28	3.29	3.20	7.45	7.37	7.11	6.91
161	3.32	3.16	3.08	3.28	3.33	3.22	7.40	7.38	7.05	6.89
162	3.36	3.20	3.11	3.27	3.35	3.23	7.33	7.34	7.00	6.85
163	3.40	3.21	3.14	3.26	3.35	3.23	7.23	7.26	6.96	6.78
164	3.42	3.21	3.16	3.25	3.34	3.22	7.13	7.18	6.90	6.71
165	3.43	3.19	3.17	3.24	3.32	3.20	7.04	7.07	6.82	6.65

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

166	3.42	3.17	3.16	3.22	3.28	3.18	6.92	6.92	6.73	6.60
167	3.39	3.12	3.13	3.19	3.24	3.16	6.77	6.76	6.63	6.53
168	3.35	3.05	3.08	3.15	3.18	3.11	6.58	6.57	6.50	6.44
169	3.28	2.98	3.03	3.11	3.13	3.05	6.37	6.38	6.35	6.34
170	3.21	2.91	2.99	3.07	3.07	2.98	6.25	6.23	6.28	6.27
171	3.15	2.86	2.96	3.00	3.03	2.89	6.04	6.02	6.06	6.12
172	3.07	2.81	2.92	2.92	2.98	2.80	5.84	5.83	5.85	5.97
173	2.97	2.74	2.89	2.87	2.95	2.72	5.73	5.72	5.68	5.85
174	2.87	2.71	2.89	2.84	2.94	2.62	5.48	5.47	5.49	5.71
175	2.88	2.74	2.95	2.94	3.04	2.69	5.40	5.39	5.35	5.58
176	2.98	2.88	3.15	3.14	3.24	2.84	5.26	5.27	5.24	5.43
177	3.17	3.11	3.39	3.40	3.40	3.10	5.07	5.10	5.15	5.20
178	3.57	3.36	3.64	3.73	3.67	3.40	4.92	4.93	4.94	5.01
179	3.74	3.60	3.89	4.07	3.93	3.69	4.76	4.75	4.73	4.82
180	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90

**Vert.  
Angles**

**Horizontal Angles**

	<u>150</u>	<u>165</u>	<u>180</u>	<u>195</u>	<u>210</u>	<u>225</u>	<u>240</u>	<u>255</u>	<u>270</u>	<u>285</u>
0	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81	8321.81
1	8319.39	8319.37	8319.34	8319.40	8319.41	8320.16	8320.96	8320.21	8322.65	8323.43
2	8315.37	8314.57	8314.57	8316.20	8316.99	8316.18	8317.77	8318.60	8321.86	8322.66
3	8308.88	8308.07	8308.12	8309.71	8311.31	8311.32	8314.52	8315.35	8320.26	8321.07
4	8299.85	8299.03	8299.02	8301.46	8303.90	8305.51	8308.75	8311.17	8316.33	8317.13
5	8289.51	8287.91	8288.57	8291.10	8294.31	8296.74	8301.55	8303.19	8309.94	8312.31
6	8276.24	8275.48	8275.60	8278.75	8283.57	8286.06	8290.87	8293.24	8301.75	8304.16
7	8260.41	8259.61	8260.87	8264.58	8270.14	8273.47	8278.27	8280.62	8291.53	8293.13
8	8243.40	8243.34	8243.23	8248.31	8255.51	8257.15	8261.89	8264.44	8275.54	8279.49
9	8224.61	8223.78	8225.39	8231.50	8238.20	8239.50	8244.24	8247.16	8259.91	8263.13
10	8201.91	8202.09	8203.65	8209.73	8218.02	8220.93	8225.59	8229.27	8241.64	8244.90
11	8176.81	8178.65	8180.48	8187.21	8195.29	8197.61	8203.07	8208.32	8223.81	8227.02
12	8150.29	8152.17	8154.17	8162.44	8169.66	8172.89	8180.04	8185.89	8202.39	8205.60
13	8121.63	8124.16	8126.17	8136.08	8142.44	8145.83	8154.48	8161.93	8178.16	8181.37
14	8089.64	8093.69	8095.94	8106.48	8113.63	8117.13	8127.26	8134.73	8152.85	8156.06
15	8057.61	8061.49	8064.81	8075.28	8081.55	8086.93	8096.90	8106.02	8123.39	8127.23
16	8022.51	8027.07	8030.49	8041.76	8048.79	8053.42	8065.76	8076.45	8092.17	8096.95
17	7985.47	7990.48	7993.45	8005.54	8013.10	8020.10	8032.06	8040.24	8059.26	8063.28
18	7946.79	7950.75	7954.78	7967.65	7974.87	7984.86	7995.73	8003.04	8022.69	8027.47
19	7905.18	7909.83	7914.10	7927.77	7934.99	7945.76	7956.67	7963.86	7984.83	7989.52
20	7861.16	7866.70	7870.85	7885.29	7892.52	7903.94	7915.77	7922.31	7944.46	7950.05
21	7817.07	7821.83	7825.88	7839.79	7847.43	7860.76	7870.69	7878.11	7901.33	7907.72
22	7768.15	7773.96	7779.62	7794.88	7802.49	7816.95	7826.56	7831.88	7856.18	7861.77
23	7718.55	7722.78	7729.24	7744.50	7753.03	7767.48	7778.01	7784.67	7808.74	7815.12
24	7665.62	7669.72	7677.13	7693.03	7701.69	7716.08	7726.82	7733.20	7758.69	7764.55
25	7609.36	7614.09	7622.95	7638.23	7648.00	7662.64	7672.68	7680.02	7706.20	7712.58
26	7551.40	7555.53	7564.25	7581.11	7591.89	7606.16	7616.97	7624.63	7651.52	7657.76
27	7490.31	7495.40	7505.08	7522.09	7534.75	7548.41	7557.78	7565.25	7588.16	7599.50
28	7427.13	7432.29	7442.95	7460.26	7473.71	7487.48	7497.33	7498.00	7514.67	7531.44
29	7361.70	7369.08	7380.36	7397.81	7411.64	7422.97	7431.53	7420.92	7433.68	7453.65
30	7293.52	7302.76	7313.88	7331.31	7346.90	7356.29	7363.90	7337.33	7347.21	7370.66
31	7221.35	7232.74	7244.64	7263.46	7279.15	7287.55	7286.81	7247.32	7253.49	7280.20
32	7149.56	7161.18	7174.26	7193.11	7208.34	7215.76	7201.61	7148.19	7148.16	7183.08
33	7075.16	7087.37	7099.68	7119.53	7135.55	7142.14	7109.31	7039.74	7030.86	7074.82
34	6998.76	7010.99	7023.64	7044.93	7061.74	7065.14	7012.68	6919.88	6902.21	6953.45
35	6920.47	6934.09	6944.55	6968.26	6985.09	6985.22	6909.51	6789.88	6764.76	6821.41
36	6837.30	6851.37	6861.03	6885.88	6905.10	6897.23	6794.89	6650.66	6627.29	6685.11

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

37	6752.30	6765.33	6773.39	6799.03	6820.67	6803.15	6669.41	6509.14	6487.94	6544.18
38	6663.55	6673.27	6680.13	6706.90	6735.11	6701.82	6535.92	6369.89	6352.88	6405.91
39	6573.29	6579.61	6582.30	6611.15	6644.32	6593.83	6389.95	6231.76	6211.87	6266.41
40	6476.00	6478.64	6478.59	6509.85	6549.17	6482.24	6245.32	6093.15	6072.87	6128.60
41	6377.29	6373.56	6371.92	6406.21	6449.05	6364.22	6102.93	5949.93	5927.11	5986.49
42	6272.67	6262.38	6258.85	6293.63	6342.66	6232.33	5962.97	5804.29	5774.20	5838.66
43	6157.70	6146.60	6143.53	6178.87	6233.56	6095.12	5820.32	5649.94	5609.71	5687.23
44	6034.86	6028.79	6025.56	6064.04	6121.85	5945.11	5678.20	5487.68	5431.16	5516.98
45	5904.04	5905.37	5902.19	5940.97	5998.34	5791.82	5528.51	5313.01	5249.38	5343.74
46	5763.62	5778.38	5777.23	5815.21	5868.16	5632.86	5373.01	5129.76	5060.65	5155.70
47	5620.02	5653.11	5652.39	5690.79	5730.46	5478.05	5217.20	4957.16	4883.95	4969.66
48	5469.48	5524.19	5526.32	5563.83	5589.49	5328.45	5048.61	4784.57	4727.44	4793.16
49	5313.50	5394.06	5401.36	5435.70	5440.01	5177.73	4867.62	4612.32	4583.69	4633.65
50	5144.65	5265.72	5276.58	5308.24	5291.79	5021.15	4686.64	4468.57	4443.91	4489.86
51	4970.72	5136.37	5148.54	5182.80	5133.44	4861.19	4505.75	4326.67	4304.42	4347.19
52	4796.79	5006.45	5021.51	5052.58	4967.16	4700.92	4324.01	4184.42	4170.92	4206.10
53	4622.85	4875.06	4894.12	4923.51	4800.88	4525.79	4168.13	4049.20	4059.02	4075.62
54	4448.96	4743.67	4766.73	4794.43	4634.24	4353.18	4017.08	3930.33	3945.47	3958.41
55	4281.86	4612.02	4639.10	4665.00	4455.74	4164.80	3870.86	3816.14	3829.58	3842.03
56	4123.94	4470.88	4503.55	4524.03	4278.76	3967.78	3726.66	3698.93	3712.25	3724.23
57	3966.65	4326.42	4360.80	4381.41	4110.19	3765.50	3594.18	3580.40	3593.03	3604.49
58	3802.57	4175.59	4218.11	4235.42	3948.01	3570.29	3470.45	3457.88	3471.54	3483.47
59	3635.59	4019.84	4069.44	4087.24	3787.89	3388.70	3344.24	3332.79	3346.91	3358.18
60	3469.81	3860.00	3920.29	3938.17	3627.06	3226.26	3214.32	3207.60	3222.45	3233.70
61	3304.19	3697.41	3765.81	3780.85	3460.72	3068.25	3080.39	3079.45	3092.49	3105.54
62	3130.01	3527.26	3608.03	3618.77	3294.19	2914.87	2943.37	2944.08	2950.87	2968.39
63	2941.53	3355.05	3448.21	3449.66	3130.46	2771.14	2811.23	2797.03	2774.63	2817.90
64	2747.73	3173.60	3286.31	3275.67	2960.32	2633.53	2667.41	2606.23	2569.24	2621.03
65	2553.72	2982.56	3123.56	3096.85	2783.05	2499.79	2518.31	2409.05	2410.58	2427.54
66	2372.89	2786.65	2957.56	2915.24	2589.03	2363.81	2341.58	2257.67	2255.10	2283.25
67	2199.94	2592.92	2785.07	2727.13	2393.61	2229.46	2134.35	2120.26	2099.71	2140.39
68	2039.53	2396.59	2596.51	2525.43	2200.86	2092.33	1968.26	1974.54	1944.31	1997.53
69	1881.21	2198.57	2402.46	2308.07	2023.96	1950.17	1824.49	1775.68	1694.87	1780.06
70	1733.39	2005.26	2218.27	2100.54	1859.45	1783.93	1686.07	1541.48	1531.14	1553.70
71	1587.94	1823.08	2044.42	1908.74	1686.05	1588.30	1525.72	1393.06	1404.32	1411.23
72	1435.53	1662.03	1876.30	1732.90	1515.97	1437.01	1306.74	1266.27	1232.07	1280.65
73	1288.51	1507.64	1713.49	1568.82	1368.59	1303.63	1148.78	1076.13	1061.31	1089.24
74	1142.21	1354.93	1549.29	1408.36	1234.61	1173.97	1023.31	942.08	952.54	957.64
75	978.05	1205.09	1385.33	1253.39	1097.78	1022.82	844.00	834.97	791.23	847.38
76	847.48	1045.30	1212.77	1104.11	935.77	829.97	733.85	688.56	593.45	635.84
77	728.96	898.45	1046.20	955.69	802.86	698.54	602.72	542.14	465.59	478.69
78	607.23	752.38	891.13	815.36	687.08	594.07	471.58	396.57	396.37	399.04
79	485.51	623.28	750.92	681.00	574.01	489.60	341.23	327.17	270.81	320.55
80	364.58	494.19	622.38	559.11	460.94	384.04	279.86	186.93	203.23	237.92
81	269.79	365.93	493.84	437.23	348.05	246.09	166.90	146.43	137.13	155.18
82	205.22	266.96	365.88	315.92	243.54	181.74	121.39	72.35	71.03	72.44
83	135.50	192.39	263.09	220.28	185.52	115.15	95.37	62.83	60.62	60.98
84	98.70	131.71	176.02	149.44	120.25	87.51	69.35	53.30	52.07	52.14
85	61.90	94.32	126.01	108.07	87.22	59.86	43.41	43.79	44.00	43.92
86	25.97	56.93	76.00	66.70	54.19	32.78	35.52	36.41	36.59	36.35
87	16.53	19.68	26.18	26.47	21.28	24.50	28.00	28.77	28.51	28.51
88	11.11	13.21	17.53	17.72	14.34	18.45	18.70	19.30	22.91	22.92
89	5.69	6.74	8.88	8.97	7.40	12.40	9.41	9.82	17.32	17.34
90	0.45	0.48	0.49	0.48	0.48	6.35	0.42	0.37	11.74	11.76
91	0.47	0.50	0.50	0.48	0.44	0.41	0.39	0.38	6.15	6.18
92	0.49	0.52	0.52	0.50	0.46	0.43	0.41	0.40	0.56	0.60

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

93	0.52	0.54	0.54	0.52	0.48	0.45	0.43	0.42	0.55	0.57
94	0.54	0.55	0.56	0.53	0.50	0.48	0.45	0.44	0.58	0.60
95	0.56	0.56	0.57	0.54	0.51	0.50	0.49	0.47	0.61	0.64
96	0.58	0.56	0.58	0.55	0.53	0.53	0.52	0.51	0.65	0.68
97	0.59	0.56	0.58	0.55	0.54	0.55	0.55	0.54	0.69	0.71
98	0.60	0.55	0.58	0.55	0.55	0.57	0.58	0.58	0.72	0.75
99	0.62	0.55	0.59	0.56	0.55	0.58	0.60	0.61	0.75	0.79
100	0.64	0.56	0.60	0.57	0.57	0.61	0.63	0.64	0.77	0.82
101	0.68	0.59	0.63	0.59	0.60	0.64	0.67	0.68	0.79	0.85
102	0.72	0.63	0.67	0.63	0.64	0.69	0.71	0.72	0.81	0.87
103	0.77	0.69	0.72	0.68	0.69	0.74	0.76	0.77	0.83	0.88
104	0.82	0.74	0.77	0.73	0.74	0.80	0.81	0.82	0.85	0.90
105	0.84	0.80	0.82	0.77	0.78	0.86	0.86	0.87	0.88	0.92
106	0.84	0.83	0.87	0.81	0.79	0.93	0.91	0.91	0.91	0.95
107	0.84	0.84	0.92	0.83	0.79	0.99	0.97	0.97	0.94	0.97
108	0.89	0.84	0.92	0.82	0.81	1.06	1.04	1.03	0.96	0.99
109	0.97	0.88	0.90	0.83	0.86	1.12	1.11	1.10	0.99	1.02
110	1.07	0.95	0.96	0.87	0.94	1.17	1.20	1.17	1.02	1.05
111	1.18	1.02	1.02	0.94	1.04	1.23	1.28	1.26	1.05	1.08
112	1.30	1.10	1.09	1.01	1.15	1.30	1.36	1.35	1.08	1.11
113	1.41	1.21	1.16	1.10	1.26	1.38	1.44	1.44	1.11	1.13
114	1.51	1.35	1.28	1.24	1.37	1.48	1.52	1.54	1.14	1.15
115	1.61	1.47	1.41	1.36	1.48	1.57	1.60	1.64	1.17	1.18
116	1.71	1.56	1.49	1.47	1.60	1.67	1.68	1.74	1.20	1.20
117	1.82	1.67	1.57	1.59	1.70	1.76	1.78	1.84	1.23	1.23
118	1.91	1.80	1.72	1.73	1.81	1.86	1.90	1.94	1.27	1.26
119	2.01	1.88	1.86	1.84	1.90	1.97	2.02	2.04	1.31	1.30
120	2.12	1.97	1.96	1.93	2.00	2.11	2.16	2.16	1.35	1.33
121	2.25	2.06	2.02	2.03	2.12	2.25	2.33	2.34	1.40	1.37
122	2.39	2.14	2.06	2.13	2.27	2.41	2.50	2.52	1.45	1.40
123	2.53	2.22	2.10	2.21	2.45	2.56	2.66	2.70	1.50	1.44
124	2.67	2.41	2.20	2.39	2.62	2.72	2.83	2.89	1.56	1.48
125	2.82	2.59	2.41	2.58	2.79	2.86	3.00	3.05	1.62	1.52
126	2.97	2.77	2.62	2.76	2.96	3.02	3.16	3.21	1.68	1.56
127	3.13	3.03	2.83	3.06	3.12	3.19	3.32	3.37	1.73	1.60
128	3.29	3.26	3.15	3.32	3.28	3.38	3.48	3.53	1.78	1.64
129	3.46	3.41	3.39	3.50	3.43	3.57	3.62	3.69	1.84	1.69
130	3.65	3.55	3.58	3.66	3.58	3.75	3.76	3.83	1.90	1.74
131	3.83	3.68	3.73	3.80	3.72	3.92	3.88	3.97	1.94	1.78
132	4.00	3.82	3.87	3.94	3.88	4.10	4.01	4.10	1.96	1.83
133	4.15	3.95	4.01	4.07	4.04	4.26	4.15	4.21	1.98	1.88
134	4.30	4.07	4.13	4.20	4.19	4.40	4.28	4.31	2.00	1.93
135	4.44	4.19	4.25	4.34	4.33	4.54	4.44	4.44	2.04	1.98
136	4.58	4.31	4.35	4.47	4.48	4.68	4.59	4.57	2.08	2.04
137	4.70	4.42	4.45	4.59	4.61	4.81	4.75	4.73	2.11	2.08
138	4.85	4.51	4.55	4.69	4.74	4.94	4.91	4.91	2.14	2.12
139	4.99	4.58	4.66	4.77	4.85	5.08	5.06	5.10	2.19	2.18
140	5.13	4.64	4.74	4.85	4.96	5.23	5.22	5.29	2.24	2.24
141	5.28	4.72	4.82	4.94	5.05	5.36	5.38	5.49	2.29	2.30
142	5.43	4.81	4.90	5.01	5.15	5.50	5.54	5.68	2.32	2.35
143	5.56	4.90	4.97	5.09	5.24	5.63	5.70	5.88	2.33	2.41
144	5.67	5.00	5.08	5.17	5.33	5.77	5.86	6.06	2.34	2.48
145	5.78	5.11	5.18	5.26	5.42	5.91	6.01	6.25	2.34	2.54
146	5.90	5.22	5.29	5.36	5.50	6.04	6.16	6.43	2.35	2.60
147	6.00	5.33	5.40	5.47	5.58	6.18	6.30	6.60	2.37	2.66
148	6.11	5.44	5.52	5.59	5.66	6.30	6.44	6.75	2.41	2.72



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

149	6.23	5.56	5.63	5.71	5.76	6.44	6.58	6.88	2.47	2.78
150	6.35	5.67	5.74	5.82	5.85	6.55	6.71	7.00	2.52	2.84
151	6.45	5.79	5.84	5.92	5.96	6.64	6.81	7.10	2.59	2.89
152	6.53	5.90	5.94	6.03	6.08	6.72	6.91	7.19	2.67	2.94
153	6.61	6.00	6.03	6.13	6.19	6.80	7.00	7.26	2.77	2.98
154	6.68	6.10	6.13	6.21	6.29	6.84	7.09	7.33	2.86	3.02
155	6.75	6.19	6.23	6.28	6.39	6.88	7.17	7.40	2.95	3.06
156	6.82	6.27	6.32	6.34	6.52	6.94	7.23	7.46	3.03	3.10
157	6.87	6.35	6.41	6.40	6.63	7.01	7.28	7.52	3.08	3.15
158	6.91	6.40	6.48	6.46	6.74	7.07	7.30	7.55	3.12	3.18
159	6.92	6.43	6.53	6.49	6.83	7.14	7.31	7.58	3.13	3.20
160	6.91	6.45	6.55	6.52	6.91	7.20	7.30	7.63	3.15	3.22
161	6.88	6.45	6.55	6.53	6.97	7.20	7.30	7.65	3.16	3.23
162	6.83	6.43	6.53	6.52	7.01	7.20	7.29	7.60	3.17	3.23
163	6.75	6.39	6.50	6.51	7.03	7.19	7.27	7.55	3.18	3.21
164	6.67	6.33	6.44	6.48	7.03	7.18	7.23	7.47	3.16	3.18
165	6.57	6.26	6.36	6.44	7.00	7.15	7.18	7.36	3.14	3.15
166	6.46	6.18	6.29	6.41	6.96	7.11	7.14	7.25	3.12	3.11
167	6.34	6.08	6.21	6.36	6.89	7.04	7.08	7.13	3.07	3.07
168	6.22	5.95	6.10	6.28	6.79	6.95	7.01	6.96	3.00	3.02
169	6.12	5.82	5.97	6.19	6.69	6.85	6.92	6.80	2.93	2.96
170	6.06	5.75	5.90	6.12	6.65	6.79	6.84	6.71	2.86	2.88
171	5.89	5.60	5.75	5.98	6.47	6.63	6.67	6.46	2.77	2.82
172	5.70	5.41	5.60	5.82	6.25	6.43	6.44	6.20	2.73	2.75
173	5.55	5.27	5.45	5.65	6.01	6.20	6.20	5.94	2.71	2.66
174	5.42	5.14	5.34	5.44	5.74	5.97	5.96	5.73	2.60	2.64
175	5.32	5.02	5.19	5.25	5.46	5.76	5.78	5.54	2.72	2.80
176	5.21	4.90	4.94	4.99	5.13	5.58	5.61	5.44	2.97	3.02
177	5.14	4.79	4.69	4.73	4.79	5.39	5.39	5.30	3.17	3.29
178	4.92	4.67	4.44	4.47	4.45	5.01	5.05	5.05	3.36	3.55
179	4.70	4.46	4.20	4.09	4.06	4.63	4.71	4.80	4.11	4.01
180	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90

**Vert. Horizontal Angles**

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	8321.81	8321.81	8321.81	8321.81	8321.81
1	8322.66	8322.67	8322.67	8321.88	8321.88
2	8321.88	8321.91	8321.90	8321.07	8319.46
3	8320.28	8320.29	8319.49	8317.09	8316.28
4	8316.34	8315.57	8313.98	8312.34	8309.97
5	8310.74	8309.95	8307.54	8305.14	8301.96
6	8304.16	8301.76	8299.32	8295.32	8292.10
7	8293.96	8292.33	8289.12	8283.53	8280.31
8	8281.11	8280.31	8276.26	8270.63	8265.87
9	8266.36	8265.55	8261.52	8255.08	8249.44
10	8247.36	8247.33	8244.08	8238.39	8232.79
11	8228.66	8229.44	8226.21	8218.99	8211.81
12	8206.38	8206.45	8204.79	8197.54	8190.29
13	8182.18	8181.38	8179.76	8173.31	8165.26
14	8156.70	8155.11	8153.48	8147.05	8138.18
15	8128.12	8127.20	8124.14	8118.43	8109.48
16	8096.89	8095.36	8092.91	8087.28	8077.63
17	8063.97	8063.12	8059.11	8054.36	8044.70
18	8028.28	8027.44	8023.48	8019.37	8008.91
19	7990.32	7990.28	7986.22	7981.42	7970.95

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

20	7950.05	7951.61	7946.74	7941.15	7930.67
21	7907.70	7909.39	7903.72	7898.00	7887.64
22	7864.17	7865.05	7859.88	7853.50	7842.37
23	7819.09	7818.93	7814.05	7808.56	7796.37
24	7770.00	7769.94	7765.05	7758.54	7746.59
25	7717.38	7718.12	7713.09	7707.63	7694.75
26	7663.34	7664.08	7659.17	7652.82	7639.92
27	7606.70	7607.44	7604.13	7596.15	7583.26
28	7547.24	7548.13	7544.67	7536.68	7523.79
29	7483.84	7485.35	7483.78	7475.63	7460.55
30	7414.71	7420.83	7420.10	7412.12	7396.02
31	7337.50	7353.88	7354.73	7344.84	7328.90
32	7250.54	7284.23	7286.52	7274.57	7257.66
33	7158.13	7210.74	7214.62	7201.85	7183.36
34	7059.94	7134.82	7140.51	7125.37	7103.69
35	6955.20	7052.41	7064.12	7044.34	7021.78
36	6836.99	6962.92	6985.98	6962.00	6937.05
37	6704.31	6863.11	6900.17	6872.94	6843.97
38	6567.32	6760.51	6810.97	6778.94	6748.33
39	6423.07	6651.36	6717.18	6680.91	6648.72
40	6276.44	6535.60	6620.26	6580.19	6545.06
41	6136.97	6409.91	6520.85	6473.51	6438.05
42	5999.26	6271.87	6414.98	6365.24	6328.22
43	5859.91	6127.39	6305.13	6252.23	6213.59
44	5714.61	5972.39	6184.79	6136.25	6097.56
45	5565.53	5816.39	6059.22	6017.93	5981.65
46	5410.40	5660.76	5923.15	5897.84	5859.51
47	5248.06	5512.40	5781.65	5775.33	5740.17
48	5077.97	5369.21	5640.12	5652.08	5619.32
49	4889.97	5216.29	5484.46	5527.84	5495.59
50	4699.37	5054.23	5332.71	5402.47	5372.29
51	4513.86	4891.92	5163.65	5276.60	5250.28
52	4340.85	4720.83	4988.61	5147.58	5120.20
53	4188.97	4553.20	4813.35	5015.36	4987.60
54	4040.59	4369.20	4637.77	4882.72	4853.75
55	3891.46	4172.03	4466.00	4741.98	4715.78
56	3749.44	3967.51	4302.85	4600.82	4576.59
57	3623.81	3765.06	4143.42	4456.24	4435.23
58	3502.36	3580.62	3987.02	4305.63	4288.22
59	3375.82	3414.61	3823.54	4150.17	4138.34
60	3249.38	3255.22	3657.07	3985.84	3986.83
61	3117.66	3099.24	3491.43	3821.15	3830.23
62	2982.34	2947.54	3323.79	3649.17	3671.78
63	2849.14	2812.36	3154.50	3474.97	3509.58
64	2704.91	2677.30	2970.75	3298.92	3349.59
65	2545.71	2538.50	2774.11	3108.13	3184.77
66	2351.23	2404.03	2572.80	2911.58	3013.85
67	2176.92	2259.23	2362.51	2710.61	2830.09
68	2002.68	2114.38	2200.81	2501.30	2638.72
69	1860.27	1969.53	2039.52	2307.02	2448.54
70	1717.64	1773.23	1872.78	2113.08	2270.12
71	1533.26	1602.37	1710.59	1919.13	2091.77
72	1307.66	1460.93	1550.78	1745.92	1913.41
73	1166.90	1330.64	1401.01	1582.99	1744.98
74	1024.28	1193.26	1252.01	1425.34	1577.32
75	852.53	1013.82	1087.27	1276.96	1396.78

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

76	748.52	842.34	936.05	1114.24	1228.19
77	632.02	686.79	812.00	963.85	1062.65
78	438.41	558.65	684.10	812.14	901.11
79	339.90	468.28	574.30	665.38	749.25
80	279.52	356.65	443.29	522.80	609.68
81	207.78	229.94	313.45	399.23	476.48
82	135.63	164.29	239.32	287.47	362.22
83	63.47	99.64	179.25	220.10	257.11
84	51.70	63.16	119.24	152.93	188.57
85	43.10	40.84	59.24	85.77	121.02
86	34.90	31.72	33.67	46.17	53.46
87	27.23	22.87	23.22	21.31	22.25
88	21.89	12.86	12.78	11.25	16.76
89	16.58	2.84	2.35	1.28	11.44
90	11.26	1.65	1.42	0.87	6.11
91	5.94	0.63	0.65	0.63	0.78
92	0.62	0.64	0.66	0.65	0.65
93	0.61	0.67	0.68	0.66	0.66
94	0.65	0.70	0.71	0.66	0.67
95	0.69	0.74	0.73	0.65	0.66
96	0.73	0.77	0.76	0.64	0.66
97	0.77	0.81	0.78	0.64	0.66
98	0.81	0.84	0.80	0.64	0.66
99	0.84	0.86	0.82	0.65	0.66
100	0.87	0.89	0.84	0.66	0.66
101	0.91	0.92	0.86	0.66	0.67
102	0.94	0.95	0.88	0.63	0.68
103	0.97	0.99	0.91	0.68	0.71
104	0.99	1.02	0.93	0.72	0.72
105	1.01	1.05	0.95	0.77	0.69
106	1.03	1.08	0.98	0.81	0.71
107	1.05	1.11	1.00	0.86	0.73
108	1.07	1.13	1.03	0.89	0.77
109	1.09	1.16	1.06	0.93	0.81
110	1.11	1.18	1.09	0.95	0.83
111	1.13	1.21	1.12	0.97	0.81
112	1.15	1.24	1.16	0.99	0.78
113	1.17	1.28	1.20	1.03	0.74
114	1.20	1.31	1.24	1.08	0.76
115	1.24	1.35	1.27	1.14	0.80
116	1.28	1.38	1.31	1.19	0.84
117	1.32	1.42	1.35	1.23	0.88
118	1.37	1.45	1.39	1.28	0.90
119	1.41	1.49	1.43	1.32	0.92
120	1.46	1.53	1.47	1.36	0.94
121	1.50	1.56	1.51	1.40	0.98
122	1.54	1.61	1.56	1.43	1.01
123	1.57	1.65	1.61	1.47	1.05
124	1.61	1.69	1.66	1.52	1.10
125	1.65	1.73	1.72	1.58	1.16
126	1.68	1.77	1.78	1.66	1.22
127	1.72	1.81	1.84	1.73	1.29
128	1.76	1.85	1.90	1.79	1.36
129	1.81	1.90	1.96	1.84	1.42
130	1.86	1.96	2.03	1.90	1.48
131	1.90	2.00	2.10	1.95	1.54

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

132	1.94	2.05	2.16	2.00	1.59
133	1.99	2.10	2.22	2.05	1.63
134	2.03	2.16	2.28	2.09	1.67
135	2.08	2.22	2.34	2.13	1.71
136	2.13	2.28	2.39	2.17	1.75
137	2.17	2.35	2.44	2.22	1.80
138	2.22	2.40	2.49	2.26	1.85
139	2.27	2.46	2.54	2.31	1.90
140	2.32	2.51	2.57	2.35	1.96
141	2.36	2.55	2.60	2.40	2.01
142	2.40	2.60	2.64	2.45	2.06
143	2.45	2.65	2.67	2.50	2.12
144	2.50	2.70	2.70	2.54	2.18
145	2.55	2.75	2.73	2.59	2.24
146	2.59	2.79	2.75	2.64	2.32
147	2.63	2.83	2.77	2.70	2.39
148	2.67	2.87	2.79	2.75	2.47
149	2.72	2.90	2.82	2.80	2.54
150	2.76	2.94	2.86	2.85	2.62
151	2.80	2.97	2.90	2.91	2.71
152	2.84	3.01	2.94	2.97	2.78
153	2.88	3.05	2.98	3.03	2.86
154	2.92	3.08	3.02	3.10	2.93
155	2.96	3.10	3.06	3.16	2.99
156	2.99	3.13	3.11	3.23	3.06
157	3.02	3.15	3.15	3.29	3.12
158	3.04	3.17	3.19	3.35	3.17
159	3.06	3.18	3.22	3.41	3.22
160	3.08	3.19	3.25	3.46	3.27
161	3.10	3.21	3.27	3.51	3.32
162	3.13	3.22	3.30	3.55	3.36
163	3.14	3.23	3.33	3.58	3.40
164	3.15	3.24	3.34	3.61	3.42
165	3.14	3.24	3.35	3.63	3.43
166	3.12	3.22	3.35	3.64	3.42
167	3.07	3.18	3.32	3.62	3.39
168	3.00	3.12	3.29	3.57	3.35
169	2.93	3.04	3.25	3.50	3.28
170	2.86	2.97	3.21	3.42	3.21
171	2.79	2.91	3.17	3.35	3.15
172	2.72	2.85	3.11	3.25	3.07
173	2.67	2.78	3.03	3.13	2.97
174	2.64	2.74	2.95	3.02	2.87
175	2.70	2.80	2.98	2.99	2.88
176	2.95	2.97	3.16	3.10	2.98
177	3.23	3.22	3.40	3.32	3.17
178	3.65	3.59	3.70	3.58	3.57
179	4.14	4.07	4.04	3.84	3.74
180	3.90	3.90	3.90	3.90	3.90

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C65-1-LSCS-ED-1-GLWD\_4000K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3075.53	13.50	13.50
0-30	6606.4	29.10	29.10
0-40	10909.67	48.10	48.10
0-60	18959.68	83.50	83.50
0-80	22582.19	99.50	99.50
0-90	22685.92	99.90	99.90
10-90	21896.22	96.50	96.50
20-40	7834.14	34.50	34.50
20-50	12174.82	53.60	53.60
40-70	10629.83	46.80	46.80
60-80	3622.51	16.00	16.00
70-80	1042.68	4.60	4.60
80-90	103.74	0.50	0.50
90-110	1.80	0.00	0.00
90-120	3.14	0.00	0.00
90-130	5.13	0.00	0.00
90-150	10.22	0.00	0.00
90-180	14.31	0.10	0.10
110-180	12.52	0.10	0.10
0-180	22700.24	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	789.71
10-20	2285.82
20-30	3530.87
30-40	4303.27
40-50	4340.67
50-60	3709.33
60-70	2579.83
70-80	1042.68
80-90	103.74
90-100	0.89
100-110	0.91
110-120	1.34
120-130	1.98
130-140	2.49
140-150	2.60
150-160	2.26
160-170	1.42
170-180	0.41

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C65-1-LSCS-ED-1-GLWD\_4000K.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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C65-1-LSCS-ED-1-GLWD\_4000K.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

X=2H	Y=2H	27.5	29.0	27.8	29.4	29.7	25.8	27.4	26.2	27.7	28.0
	3H	29.0	30.4	29.4	30.8	31.1	26.9	28.4	27.3	28.7	29.1
	4H	29.5	30.8	29.9	31.2	31.5	27.1	28.5	27.5	28.8	29.2
	6H	29.7	30.9	30.1	31.3	31.7	27.1	28.4	27.6	28.7	29.1
	8H	29.7	30.9	30.1	31.3	31.7	27.1	28.3	27.5	28.7	29.1
	12H	29.7	30.8	30.1	31.2	31.6	27.1	28.2	27.5	28.6	29.0

UGR Viewed Endwise

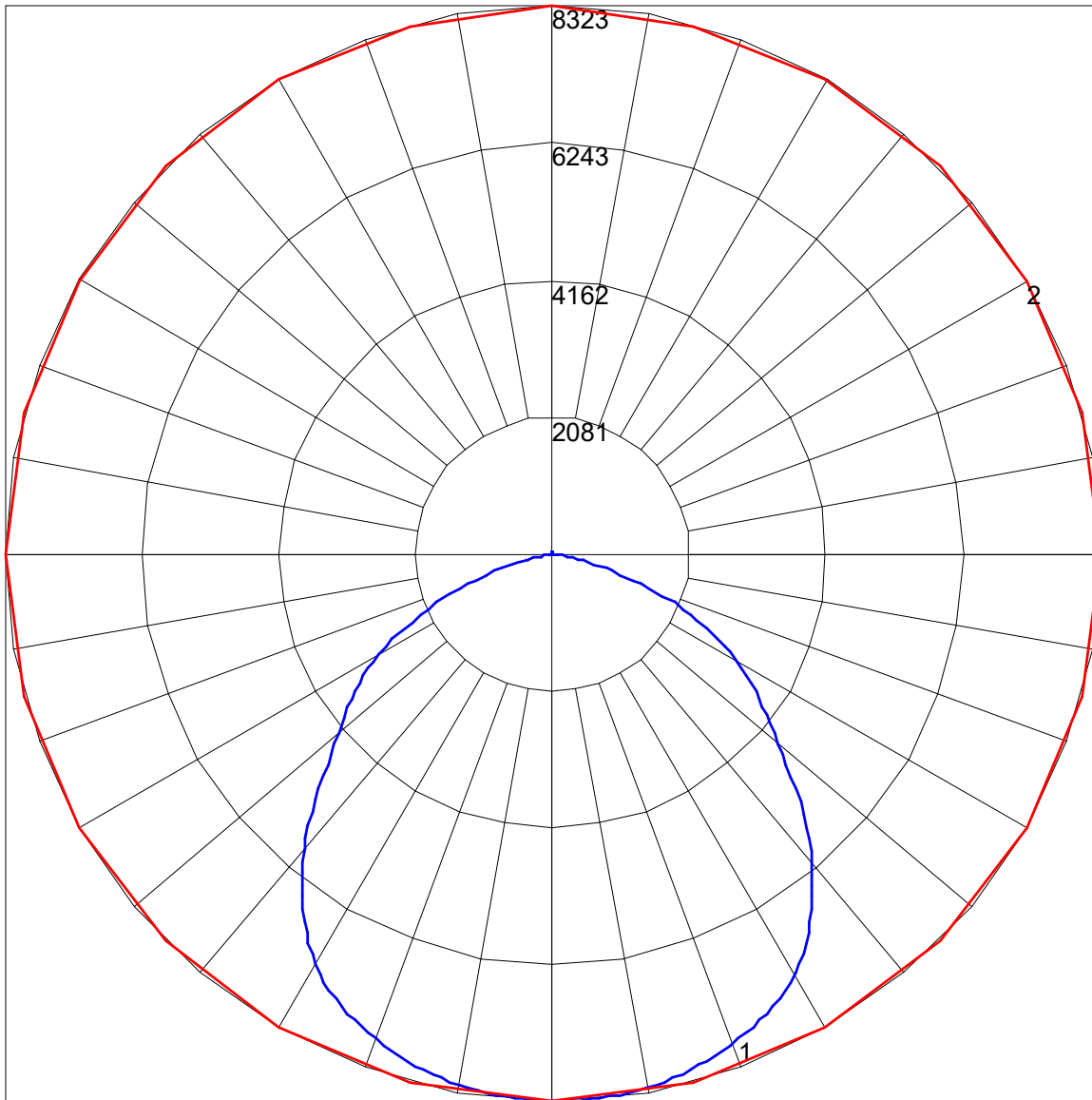
4H	2H	27.8	29.1	28.2	29.5	29.9	26.4	27.7	26.8	28.1	28.5
	3H	29.5	30.6	29.9	31.0	31.4	27.7	28.8	28.1	29.2	29.6
	4H	30.0	31.0	30.5	31.4	31.9	27.9	28.9	28.4	29.3	29.8
	6H	30.3	31.2	30.8	31.6	32.1	27.9	28.8	28.4	29.3	29.7
	8H	30.3	31.2	30.8	31.6	32.1	27.9	28.7	28.4	29.2	29.6
	12H	30.3	31.1	30.8	31.5	32.0	27.9	28.6	28.4	29.1	29.6

8H	4H	30.1	30.9	30.6	31.3	31.8	28.1	28.9	28.5	29.3	29.8
	6H	30.4	31.1	30.9	31.6	32.0	28.1	28.8	28.6	29.3	29.7
	8H	30.4	31.0	31.0	31.5	32.0	28.1	28.7	28.6	29.2	29.7
	12H	30.5	31.0	31.0	31.5	32.0	28.1	28.6	28.6	29.1	29.6

12H	4H	30.1	30.8	30.6	31.3	31.7	28.1	28.8	28.6	29.3	29.7
	6H	30.4	31.0	30.9	31.4	32.0	28.1	28.7	28.6	29.2	29.7
	8H	30.4	31.0	30.9	31.4	32.0	28.1	28.6	28.6	29.1	29.7

Maximum UGR = 32.1

POLAR GRAPH



Maximum Candela = 8323.43 Located At Horizontal Angle = 285, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)