

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : C65-1-LSSC-ED-1-PCWD\_4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 70.402.24.061.69-02

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

[TESTDATE] 2025-1-20

[ISSUEDATE] 2025-01-24 14:33:35

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] COLUMBIA LIGHTING

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

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

[BALLASTCAT] LF-FCA200

[\_SEARCH\_SOURCE] 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	784.57	784.57	3.63	3.63
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[OTHER]	10- 20	2260.46	3045.03	14.10	14.10
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[OTHER]	20- 30	3468.41	6513.44	30.16	30.16
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[OTHER]	30- 40	4191.38	10704.82	49.57	49.57
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[OTHER]	40- 50	4203.11	14907.93	69.03	69.03
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[OTHER]	50- 60	3381.44	18289.37	84.69	84.69
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[OTHER]	60- 70	2149.75	20439.11	94.64	94.64
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[OTHER]	70- 80	965.57	21404.69	99.11	99.11
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[OTHER]	80- 90	177.08	21581.76	99.93	99.93
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[OTHER]	90-100	1.27	21583.03	99.94	99.94
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[OTHER]	100-110	0.85	21583.88	99.94	99.94
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[OTHER]	110-120	1.28	21585.16	99.95	99.95
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[OTHER]	120-130	1.92	21587.08	99.96	99.96
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[OTHER]	130-140	2.42	21589.50	99.97	99.97
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[OTHER]	140-150	2.54	21592.04	99.98	99.98
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[OTHER]	150-160	2.22	21594.26	99.99	99.99
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[OTHER]	160-170	1.40	21595.66	100.00	100.00
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[OTHER]	170-180	0.41	21596.07	100.00	100.00
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[OTHER]

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**CHARACTERISTICS**

Lumens Per Lamp	21596 (1 lamp)
Total Lamp Lumens	21596
Luminaire Lumens	21596
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	161.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
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	71838	68359	64138
55	65839	58577	48975
65	54856	43933	35145
75	40019	28951	20237
85	18947	10735	8208

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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	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61
1	8290.42	8289.62	8287.20	8285.60	8284.79	8283.99	8282.82	8282.88	8282.37	8283.71
2	8288.84	8285.65	8281.63	8278.44	8276.01	8272.85	8270.03	8271.62	8272.45	8274.07
3	8284.88	8279.29	8272.89	8267.31	8263.30	8260.07	8255.40	8256.98	8257.86	8260.30
4	8276.81	8270.36	8260.71	8252.67	8247.83	8243.80	8238.80	8240.33	8241.26	8245.23
5	8267.92	8258.26	8246.94	8238.12	8231.66	8226.82	8221.53	8222.39	8225.45	8229.53
6	8255.99	8244.72	8232.63	8221.43	8213.33	8209.31	8201.60	8204.05	8205.74	8210.50
7	8240.56	8229.26	8213.95	8201.87	8194.58	8189.73	8181.22	8184.31	8186.31	8191.00
8	8225.29	8209.93	8193.80	8180.91	8174.43	8168.76	8160.13	8161.74	8163.36	8168.29
9	8206.13	8190.00	8171.48	8159.38	8151.31	8144.84	8135.68	8138.92	8139.83	8144.28
10	8184.05	8166.29	8147.79	8134.90	8126.80	8120.31	8108.99	8110.71	8113.09	8118.23
11	8162.09	8140.39	8121.04	8108.94	8099.26	8092.01	8079.09	8080.91	8084.05	8089.94
12	8135.83	8114.02	8094.65	8081.04	8069.64	8061.52	8047.92	8048.71	8051.35	8058.04
13	8106.89	8084.29	8063.94	8049.68	8037.30	8028.64	8014.86	8014.23	8017.95	8024.56
14	8076.45	8053.10	8032.04	8016.85	8003.89	7996.53	7981.28	7979.15	7981.03	7987.46
15	8043.18	8018.17	7997.17	7980.32	7966.56	7961.57	7946.40	7942.99	7942.08	7949.27
16	8008.41	7981.73	7959.93	7941.42	7927.63	7926.72	7910.04	7906.19	7902.68	7908.14
17	7970.74	7944.04	7920.52	7899.72	7889.03	7889.72	7873.45	7867.70	7860.45	7865.32
18	7931.31	7903.03	7878.15	7857.12	7848.22	7851.25	7834.37	7827.76	7818.99	7822.19
19	7888.68	7859.56	7833.74	7812.82	7808.55	7813.21	7795.96	7787.18	7776.57	7775.79
20	7844.03	7815.67	7787.45	7764.95	7763.97	7770.24	7751.10	7743.04	7729.13	7726.75
21	7797.94	7768.80	7738.19	7715.66	7718.64	7722.59	7701.44	7693.22	7681.12	7675.23
22	7747.28	7718.10	7685.67	7665.54	7669.56	7670.90	7645.87	7640.00	7629.86	7622.25
23	7694.83	7664.06	7629.40	7612.57	7615.69	7612.27	7584.60	7580.43	7576.16	7566.82
24	7639.38	7609.36	7570.60	7556.15	7558.42	7549.35	7515.79	7515.05	7515.36	7509.35
25	7580.39	7549.57	7510.79	7497.77	7496.26	7478.52	7442.15	7442.67	7450.17	7448.08
26	7517.05	7486.18	7445.80	7436.19	7428.78	7402.77	7363.32	7366.92	7381.85	7385.61
27	7451.41	7419.74	7380.13	7372.12	7354.43	7322.84	7281.60	7284.80	7304.96	7317.58
28	7382.78	7350.28	7310.68	7301.92	7274.72	7238.02	7197.68	7199.54	7224.53	7248.18
29	7310.72	7278.18	7237.77	7227.40	7190.13	7151.11	7110.59	7113.32	7140.10	7171.06
30	7235.60	7201.46	7162.03	7149.30	7101.53	7062.47	7023.08	7025.05	7049.75	7089.65
31	7156.56	7122.59	7081.94	7064.32	7009.25	6975.01	6934.73	6935.27	6961.32	7003.68
32	7071.83	7038.63	6998.97	6976.66	6916.63	6882.61	6840.95	6842.80	6865.93	6915.48
33	6988.55	6953.51	6911.23	6882.61	6820.26	6784.36	6740.79	6743.04	6769.16	6820.29
34	6898.86	6861.37	6821.96	6783.19	6718.39	6680.84	6633.90	6640.86	6668.77	6719.73
35	6806.87	6767.77	6727.84	6678.49	6614.46	6572.12	6525.47	6530.80	6565.63	6615.38
36	6712.04	6670.28	6627.46	6573.72	6508.90	6459.38	6411.48	6418.34	6455.44	6507.71
37	6613.00	6569.82	6524.55	6458.87	6391.64	6341.89	6296.02	6302.08	6340.26	6397.04
38	6512.81	6465.64	6416.39	6344.66	6273.42	6222.85	6174.55	6182.19	6217.75	6281.61
39	6404.24	6355.63	6304.35	6225.09	6147.78	6098.76	6050.88	6059.38	6092.92	6164.34
40	6294.90	6242.52	6186.33	6103.60	6019.51	5967.75	5914.62	5928.76	5965.01	6039.75
41	6182.51	6127.92	6067.32	5976.58	5885.93	5829.66	5772.50	5792.35	5832.96	5912.57
42	6064.27	6007.22	5940.15	5844.50	5749.73	5682.98	5615.11	5643.04	5695.80	5778.57
43	5943.85	5885.61	5811.24	5707.91	5607.08	5525.36	5441.99	5482.06	5552.69	5637.42
44	5816.58	5757.83	5676.70	5563.20	5459.93	5351.05	5262.33	5310.07	5406.01	5491.95
45	5690.11	5628.94	5539.37	5414.54	5308.01	5171.45	5080.24	5128.77	5249.65	5343.67
46	5556.09	5494.83	5398.74	5264.16	5141.73	4983.15	4894.37	4948.55	5081.67	5193.33
47	5421.42	5356.97	5256.40	5111.45	4967.82	4804.05	4708.49	4768.33	4903.51	5041.81
48	5285.45	5219.28	5110.96	4958.11	4788.99	4621.03	4522.31	4587.83	4725.34	4883.21
49	5141.98	5073.75	4959.78	4798.47	4601.61	4419.38	4310.85	4383.60	4547.02	4724.61
50	4996.06	4927.78	4807.49	4636.02	4418.51	4213.68	4100.67	4175.19	4361.92	4565.95
51	4848.97	4777.12	4651.15	4469.58	4234.65	4006.62	3894.70	3966.80	4178.49	4397.51
52	4697.19	4622.08	4491.28	4297.77	4038.20	3798.61	3696.29	3760.56	3977.65	4221.70
53	4543.48	4468.25	4330.08	4123.08	3839.00	3602.69	3510.98	3566.06	3778.32	4043.79

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**CANDELA TABULATION - (Cont.)**

54	4388.33	4309.38	4163.90	3942.96	3642.72	3417.07	3333.29	3384.50	3581.05	3865.96
55	4230.17	4148.43	3996.62	3763.55	3444.65	3238.68	3146.66	3206.41	3385.53	3686.65
56	4072.78	3988.97	3832.99	3590.87	3261.10	3058.77	2962.24	3021.75	3199.03	3510.38
57	3909.99	3824.81	3666.42	3410.88	3077.82	2872.33	2792.70	2839.33	3022.62	3328.49
58	3748.68	3664.31	3503.87	3227.13	2906.78	2701.62	2637.17	2669.87	2852.51	3146.67
59	3587.45	3500.74	3339.50	3045.05	2736.90	2544.07	2490.48	2516.02	2681.34	2969.87
60	3423.92	3339.36	3178.44	2871.01	2562.75	2403.74	2347.23	2370.61	2505.52	2795.59
61	3262.23	3178.53	3015.99	2702.13	2398.66	2266.50	2206.71	2231.92	2340.13	2629.10
62	3096.54	3016.02	2855.50	2536.36	2255.75	2129.25	2068.57	2092.89	2188.74	2466.35
63	2929.21	2857.72	2695.97	2366.15	2112.93	1992.01	1931.33	1959.63	2051.39	2311.34
64	2767.53	2697.37	2539.11	2222.76	1970.12	1859.01	1794.69	1825.87	1920.62	2160.19
65	2596.89	2534.72	2373.38	2079.78	1839.04	1724.87	1663.76	1693.68	1792.25	2010.36
66	2438.14	2362.96	2222.13	1926.58	1715.36	1600.88	1530.02	1567.91	1668.27	1856.81
67	2285.29	2214.54	2071.00	1777.68	1589.99	1469.00	1401.39	1437.87	1545.30	1713.57
68	2132.55	2066.58	1919.27	1639.10	1469.12	1344.31	1282.22	1316.03	1427.73	1581.89
69	1979.80	1923.24	1769.57	1511.73	1351.13	1228.89	1168.87	1201.31	1309.08	1458.17
70	1832.43	1778.25	1624.30	1391.68	1231.93	1115.22	1049.04	1088.69	1194.53	1343.91
71	1691.73	1642.56	1488.47	1275.47	1120.01	1000.67	946.87	976.27	1085.93	1229.85
72	1548.69	1506.17	1354.92	1160.00	1013.06	899.92	851.51	878.16	979.55	1118.46
73	1416.01	1375.09	1228.51	1051.11	905.81	805.19	757.85	784.54	874.96	1012.64
74	1286.17	1247.18	1108.88	943.32	807.12	713.34	670.00	695.32	778.95	908.63
75	1160.22	1123.06	988.65	839.35	713.68	627.02	586.71	611.67	688.90	808.46
76	1039.57	1007.38	872.94	737.42	624.68	544.37	513.07	535.63	602.99	712.38
77	921.30	889.59	762.84	642.76	541.73	463.72	439.42	459.59	527.57	622.17
78	810.91	780.24	662.93	555.63	462.60	389.47	366.06	383.80	452.16	541.99
79	704.12	674.41	564.36	469.99	385.22	325.04	305.15	319.56	376.74	461.81
80	604.39	573.49	474.30	389.14	316.21	268.50	250.90	264.75	309.87	381.76
81	507.80	477.48	394.98	318.73	254.97	220.40	200.38	212.49	250.34	312.25
82	415.03	387.15	321.72	251.61	205.52	172.42	154.06	164.83	197.60	248.24
83	327.61	305.04	252.00	190.41	156.39	124.43	117.01	124.30	149.10	188.48
84	248.17	230.27	193.81	147.51	107.26	97.84	95.72	97.48	108.13	138.59
85	184.98	165.88	135.66	104.80	82.00	81.29	80.13	81.18	82.59	93.61
86	121.81	101.52	77.52	62.09	65.20	66.60	64.14	64.98	66.11	74.92
87	58.65	51.02	42.20	42.13	47.90	49.51	48.15	48.78	49.63	56.23
88	19.33	16.57	18.71	23.42	24.00	14.45	32.16	32.57	33.15	37.53
89	14.31	12.20	13.94	17.46	17.96	10.97	16.16	16.37	16.67	18.84
90	9.77	8.34	9.49	11.83	12.18	7.50	0.35	0.35	0.37	0.40
91	5.23	4.48	5.04	6.19	6.40	4.04	0.36	0.36	0.39	0.42
92	0.69	0.63	0.59	0.56	0.62	0.57	0.38	0.38	0.41	0.43
93	0.60	0.58	0.55	0.53	0.53	0.54	0.40	0.40	0.43	0.46
94	0.60	0.58	0.55	0.55	0.56	0.57	0.43	0.43	0.46	0.48
95	0.60	0.58	0.57	0.56	0.58	0.60	0.46	0.46	0.49	0.51
96	0.60	0.58	0.58	0.59	0.60	0.62	0.49	0.50	0.52	0.54
97	0.60	0.59	0.58	0.61	0.63	0.64	0.52	0.53	0.55	0.56
98	0.60	0.60	0.59	0.62	0.66	0.67	0.55	0.56	0.57	0.57
99	0.60	0.61	0.60	0.63	0.68	0.70	0.58	0.58	0.59	0.59
100	0.61	0.62	0.61	0.65	0.71	0.72	0.61	0.61	0.62	0.62
101	0.61	0.63	0.63	0.68	0.73	0.75	0.65	0.65	0.66	0.66
102	0.63	0.64	0.64	0.70	0.75	0.79	0.69	0.70	0.71	0.71
103	0.65	0.65	0.66	0.70	0.77	0.82	0.75	0.75	0.76	0.76
104	0.66	0.67	0.68	0.73	0.79	0.84	0.80	0.80	0.82	0.82
105	0.64	0.70	0.68	0.77	0.82	0.87	0.86	0.86	0.88	0.87
106	0.66	0.70	0.66	0.84	0.85	0.89	0.92	0.92	0.93	0.93
107	0.68	0.69	0.69	0.91	0.89	0.92	0.99	0.98	1.00	0.98
108	0.72	0.73	0.73	0.95	0.93	0.94	1.06	1.05	1.06	1.04
109	0.76	0.75	0.75	0.98	0.96	0.97	1.15	1.13	1.13	1.09

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**CANDELA TABULATION - (Cont.)**

110	0.78	0.78	0.78	1.02	0.96	0.99	1.23	1.20	1.21	1.14
111	0.76	0.83	0.84	1.05	0.96	1.01	1.31	1.29	1.28	1.21
112	0.74	0.83	0.87	1.09	0.98	1.04	1.40	1.37	1.35	1.28
113	0.70	0.84	0.89	1.11	1.02	1.07	1.48	1.45	1.42	1.36
114	0.72	0.87	0.90	1.11	1.07	1.11	1.57	1.55	1.51	1.44
115	0.76	0.90	0.91	1.13	1.14	1.16	1.66	1.64	1.59	1.54
116	0.80	0.92	0.91	1.15	1.22	1.21	1.77	1.74	1.68	1.63
117	0.84	0.95	0.92	1.18	1.30	1.27	1.87	1.84	1.77	1.73
118	0.86	1.00	0.97	1.21	1.35	1.31	1.96	1.95	1.87	1.83
119	0.87	1.05	1.02	1.25	1.38	1.33	2.05	2.06	1.99	1.96
120	0.89	1.04	1.08	1.29	1.41	1.36	2.16	2.20	2.13	2.09
121	0.92	1.08	1.18	1.32	1.44	1.39	2.35	2.38	2.27	2.25
122	0.95	1.17	1.27	1.35	1.45	1.43	2.54	2.57	2.43	2.40
123	0.99	1.31	1.31	1.38	1.47	1.48	2.73	2.76	2.60	2.56
124	1.03	1.39	1.34	1.43	1.50	1.54	2.93	2.95	2.76	2.72
125	1.09	1.46	1.38	1.49	1.53	1.59	3.13	3.12	2.93	2.87
126	1.15	1.51	1.42	1.55	1.58	1.65	3.32	3.27	3.11	3.02
127	1.22	1.55	1.47	1.61	1.62	1.71	3.50	3.42	3.28	3.17
128	1.29	1.59	1.52	1.66	1.67	1.77	3.67	3.56	3.46	3.32
129	1.35	1.62	1.59	1.69	1.73	1.81	3.81	3.69	3.62	3.46
130	1.41	1.64	1.66	1.70	1.78	1.84	3.94	3.84	3.77	3.59
131	1.46	1.66	1.75	1.70	1.83	1.87	4.07	3.98	3.91	3.74
132	1.51	1.67	1.83	1.72	1.88	1.87	4.20	4.10	4.04	3.89
133	1.55	1.67	1.89	1.76	1.93	1.87	4.33	4.22	4.16	4.03
134	1.59	1.68	1.93	1.82	1.97	1.90	4.48	4.32	4.28	4.18
135	1.64	1.70	1.98	1.90	2.02	1.92	4.60	4.43	4.40	4.33
136	1.68	1.73	2.01	1.99	2.07	1.97	4.72	4.55	4.53	4.49
137	1.72	1.78	2.04	2.10	2.12	2.03	4.84	4.68	4.68	4.64
138	1.77	1.83	2.06	2.19	2.18	2.10	4.97	4.81	4.84	4.79
139	1.82	1.89	2.10	2.26	2.24	2.17	5.14	4.95	5.01	4.94
140	1.88	1.96	2.13	2.33	2.30	2.26	5.33	5.11	5.18	5.09
141	1.93	2.04	2.17	2.39	2.37	2.34	5.51	5.28	5.36	5.24
142	1.98	2.12	2.22	2.44	2.43	2.40	5.70	5.46	5.56	5.39
143	2.04	2.20	2.28	2.49	2.49	2.46	5.88	5.65	5.75	5.54
144	2.10	2.28	2.33	2.55	2.53	2.52	6.06	5.85	5.93	5.70
145	2.17	2.34	2.39	2.61	2.56	2.57	6.22	6.04	6.12	5.84
146	2.24	2.40	2.45	2.66	2.58	2.62	6.36	6.22	6.31	5.98
147	2.32	2.46	2.51	2.71	2.60	2.67	6.49	6.38	6.47	6.12
148	2.40	2.51	2.56	2.77	2.61	2.71	6.62	6.51	6.62	6.25
149	2.47	2.56	2.61	2.83	2.63	2.76	6.73	6.63	6.75	6.37
150	2.56	2.60	2.66	2.89	2.66	2.81	6.84	6.73	6.87	6.47
151	2.64	2.65	2.71	2.94	2.70	2.85	6.91	6.82	6.96	6.57
152	2.72	2.70	2.75	2.98	2.76	2.90	6.98	6.88	7.02	6.65
153	2.79	2.75	2.78	3.03	2.82	2.93	7.02	6.92	7.08	6.72
154	2.87	2.80	2.81	3.07	2.88	2.96	7.08	6.96	7.11	6.75
155	2.93	2.84	2.84	3.11	2.95	2.99	7.14	7.02	7.13	6.77
156	3.00	2.89	2.87	3.15	3.01	3.03	7.20	7.07	7.14	6.80
157	3.06	2.93	2.90	3.18	3.07	3.05	7.29	7.15	7.14	6.82
158	3.12	2.97	2.94	3.20	3.12	3.07	7.35	7.21	7.11	6.82
159	3.17	3.02	2.97	3.21	3.17	3.09	7.37	7.24	7.06	6.82
160	3.22	3.07	3.00	3.21	3.20	3.11	7.36	7.25	6.99	6.81
161	3.27	3.11	3.03	3.21	3.24	3.12	7.28	7.23	6.92	6.78
162	3.32	3.15	3.06	3.19	3.26	3.13	7.20	7.19	6.87	6.74
163	3.36	3.15	3.08	3.19	3.26	3.13	7.11	7.11	6.83	6.67
164	3.38	3.16	3.11	3.18	3.25	3.12	6.99	7.03	6.76	6.59
165	3.40	3.14	3.11	3.17	3.23	3.11	6.90	6.91	6.67	6.52

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

166	3.39	3.11	3.09	3.16	3.19	3.09	6.77	6.76	6.57	6.46
167	3.36	3.07	3.07	3.12	3.15	3.07	6.63	6.60	6.47	6.40
168	3.31	3.00	3.03	3.08	3.10	3.02	6.43	6.42	6.34	6.32
169	3.25	2.94	2.98	3.03	3.04	2.97	6.25	6.25	6.20	6.21
170	3.18	2.87	2.94	2.99	2.99	2.90	6.15	6.12	6.15	6.12
171	3.12	2.83	2.91	2.93	2.95	2.82	5.94	5.91	5.92	5.99
172	3.04	2.78	2.87	2.86	2.90	2.72	5.75	5.74	5.73	5.83
173	2.94	2.71	2.84	2.81	2.87	2.64	5.64	5.62	5.54	5.70
174	2.84	2.67	2.83	2.79	2.87	2.54	5.38	5.37	5.35	5.57
175	2.85	2.69	2.89	2.88	2.97	2.60	5.29	5.29	5.22	5.45
176	2.93	2.82	3.07	3.07	3.17	2.78	5.16	5.17	5.11	5.31
177	3.11	3.03	3.31	3.33	3.33	3.02	4.98	5.01	4.95	5.09
178	3.47	3.27	3.54	3.65	3.57	3.31	4.78	4.84	4.79	4.90
179	3.64	3.50	3.77	3.97	3.81	3.60	4.68	4.68	4.62	4.72
180	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82

**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	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61	8289.61
1	8284.55	8285.41	8287.06	8288.71	8289.53	8290.34	8291.92	8291.95	8292.86	8293.65
2	8276.49	8278.19	8282.21	8285.44	8286.26	8287.89	8288.68	8289.48	8292.08	8292.87
3	8264.31	8269.99	8274.07	8278.11	8279.74	8282.09	8282.91	8282.87	8286.56	8288.14
4	8250.90	8258.16	8264.63	8269.39	8270.97	8271.83	8273.39	8272.62	8277.66	8278.45
5	8236.82	8244.24	8252.24	8257.88	8259.45	8260.27	8260.30	8260.26	8266.34	8267.95
6	8218.52	8228.97	8238.70	8245.17	8245.21	8246.65	8246.72	8246.76	8253.63	8254.43
7	8198.92	8211.02	8223.17	8229.62	8230.43	8231.08	8231.91	8232.03	8238.20	8239.78
8	8177.11	8190.00	8202.99	8210.95	8212.18	8212.48	8213.35	8214.97	8222.09	8224.48
9	8153.17	8166.14	8181.45	8191.02	8192.10	8191.96	8194.29	8194.15	8202.99	8205.37
10	8127.26	8140.98	8157.84	8167.42	8168.26	8170.10	8172.35	8172.16	8180.92	8183.36
11	8098.15	8113.46	8131.95	8142.31	8142.36	8145.01	8147.25	8145.52	8155.05	8158.21
12	8067.75	8083.95	8104.73	8115.16	8114.91	8117.73	8120.09	8118.26	8126.30	8129.47
13	8035.45	8052.41	8074.43	8085.65	8085.90	8087.25	8087.78	8085.54	8096.59	8098.28
14	8001.11	8019.67	8043.04	8054.29	8053.81	8053.92	8053.43	8050.88	8063.84	8064.51
15	7964.43	7984.65	8008.73	8021.54	8020.30	8018.08	8016.92	8015.76	8030.47	8030.42
16	7927.18	7946.27	7972.48	7984.50	7984.75	7979.89	7977.19	7979.56	7995.72	7996.45
17	7885.12	7906.07	7933.57	7946.25	7944.96	7938.97	7935.91	7943.15	7963.66	7961.09
18	7841.30	7863.89	7891.25	7904.07	7903.32	7895.92	7893.40	7906.42	7930.56	7926.49
19	7794.89	7820.01	7846.52	7860.94	7859.23	7849.70	7851.10	7868.99	7895.18	7891.06
20	7745.95	7772.52	7800.87	7816.70	7813.41	7803.26	7808.47	7831.07	7858.66	7854.53
21	7693.07	7721.93	7751.87	7767.06	7762.17	7752.54	7764.49	7790.44	7820.44	7815.63
22	7637.59	7668.93	7697.86	7714.81	7710.02	7700.12	7717.43	7745.47	7776.39	7773.03
23	7579.97	7612.70	7641.81	7660.38	7653.83	7644.96	7669.34	7696.56	7727.32	7724.75
24	7519.98	7555.22	7582.79	7603.70	7595.55	7590.66	7616.51	7642.08	7672.81	7672.49
25	7457.82	7493.54	7522.04	7542.15	7533.19	7531.76	7560.61	7581.42	7608.98	7614.33
26	7393.72	7428.69	7458.11	7478.84	7469.25	7471.78	7499.82	7513.25	7540.72	7547.98
27	7325.02	7363.78	7390.23	7412.56	7401.16	7408.59	7434.46	7438.94	7467.02	7475.68
28	7254.03	7291.21	7320.82	7343.91	7331.72	7342.90	7362.25	7360.36	7388.01	7399.03
29	7179.58	7217.54	7247.93	7270.44	7257.25	7271.33	7283.34	7277.61	7306.52	7317.59
30	7102.62	7139.45	7169.62	7193.24	7181.06	7198.10	7200.22	7193.44	7222.52	7234.58
31	7021.32	7059.05	7088.62	7111.87	7101.90	7118.94	7113.14	7105.59	7138.38	7150.00
32	6938.84	6974.49	7003.76	7026.99	7019.61	7036.66	7022.69	7017.49	7052.47	7063.50
33	6849.55	6884.26	6917.84	6940.01	6935.13	6950.46	6930.50	6927.74	6962.54	6975.95
34	6758.84	6791.17	6825.01	6847.15	6845.40	6856.81	6833.95	6832.71	6865.08	6881.95
35	6662.34	6694.69	6730.68	6751.18	6750.23	6759.23	6735.39	6731.34	6764.43	6784.20
36	6561.42	6595.18	6631.45	6651.10	6652.60	6655.88	6633.00	6624.65	6659.04	6679.92

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

37	6454.79	6492.01	6529.07	6547.89	6551.75	6550.26	6528.30	6514.30	6543.48	6568.81
38	6346.98	6386.04	6423.13	6441.07	6445.24	6439.71	6415.62	6395.19	6426.52	6451.14
39	6231.55	6274.95	6313.91	6328.65	6333.28	6322.94	6297.46	6272.53	6303.60	6328.98
40	6114.63	6162.01	6199.58	6214.28	6218.08	6205.34	6174.20	6147.02	6180.95	6204.29
41	5992.50	6044.80	6085.39	6099.27	6100.31	6083.86	6043.68	6021.25	6053.54	6080.42
42	5865.28	5922.07	5961.56	5975.71	5976.28	5957.03	5907.99	5885.59	5915.63	5946.10
43	5732.85	5796.29	5836.59	5849.57	5849.68	5824.54	5765.98	5746.64	5769.08	5806.80
44	5598.59	5666.05	5708.76	5720.90	5717.41	5688.62	5626.02	5595.35	5608.31	5653.92
45	5459.14	5533.03	5576.54	5588.12	5581.11	5545.07	5480.03	5429.96	5441.58	5492.47
46	5316.47	5395.26	5440.41	5450.07	5438.44	5394.24	5329.04	5258.77	5259.01	5317.08
47	5170.56	5255.71	5302.87	5313.27	5297.64	5243.04	5169.45	5084.94	5080.87	5137.94
48	5020.96	5112.63	5162.19	5170.55	5151.29	5085.37	4996.42	4901.55	4893.46	4955.62
49	4866.74	4967.13	5017.48	5026.19	5006.44	4927.39	4823.38	4718.16	4704.66	4768.39
50	4712.56	4821.62	4870.98	4879.35	4855.99	4769.42	4650.28	4534.64	4497.88	4578.71
51	4564.05	4676.08	4724.48	4732.51	4705.50	4611.39	4467.08	4331.88	4269.01	4371.84
52	4400.78	4520.39	4577.94	4585.66	4544.25	4442.40	4283.13	4109.58	4047.64	4142.64
53	4237.30	4364.12	4423.72	4430.64	4385.21	4271.48	4096.75	3889.77	3839.73	3920.28
54	4072.97	4205.24	4266.77	4273.00	4224.82	4096.46	3906.38	3685.03	3651.13	3718.31
55	3906.98	4047.32	4110.18	4115.76	4061.63	3920.69	3700.80	3494.50	3454.12	3528.72
56	3743.26	3886.85	3950.90	3955.28	3898.15	3740.14	3496.90	3306.26	3257.25	3339.46
57	3579.57	3726.01	3793.09	3797.69	3734.77	3564.29	3300.88	3109.51	3066.93	3140.74
58	3418.32	3566.64	3635.83	3637.94	3570.22	3391.37	3114.96	2922.40	2897.50	2955.83
59	3254.37	3405.51	3476.39	3479.23	3405.09	3220.66	2939.72	2751.47	2742.86	2786.92
60	3093.84	3247.30	3318.79	3320.58	3244.86	3045.29	2759.49	2596.04	2595.42	2632.18
61	2933.39	3089.13	3158.16	3162.53	3083.93	2867.42	2579.09	2450.74	2449.19	2484.71
62	2773.30	2930.14	3000.68	3004.30	2927.48	2694.33	2410.64	2309.46	2310.11	2345.02
63	2616.41	2774.61	2843.23	2848.74	2769.97	2525.47	2254.40	2171.30	2171.06	2205.35
64	2460.74	2617.94	2688.45	2693.31	2615.22	2366.37	2112.54	2036.38	2032.01	2065.68
65	2307.79	2465.36	2532.00	2541.31	2461.87	2213.29	1979.01	1902.16	1891.07	1926.76
66	2151.45	2312.22	2376.82	2388.85	2308.29	2061.25	1850.66	1769.95	1757.91	1791.61
67	1999.12	2163.03	2223.67	2239.95	2160.15	1909.00	1724.90	1641.57	1626.26	1660.93
68	1851.21	2014.15	2074.19	2090.43	2009.81	1759.65	1602.11	1517.32	1491.74	1530.98
69	1708.04	1871.30	1928.09	1944.59	1863.01	1621.33	1482.72	1388.49	1364.10	1400.95
70	1572.44	1733.56	1791.18	1806.93	1719.28	1495.41	1367.53	1269.42	1246.23	1278.21
71	1440.88	1600.67	1653.14	1669.13	1579.80	1376.59	1250.54	1156.08	1126.44	1164.71
72	1311.06	1469.73	1518.26	1537.99	1445.98	1260.53	1138.73	1037.86	1011.29	1042.59
73	1188.19	1341.81	1388.89	1406.81	1318.36	1146.03	1032.19	933.05	913.66	939.07
74	1070.43	1216.29	1262.17	1281.73	1191.24	1039.74	924.05	837.07	814.42	841.23
75	953.00	1097.50	1141.95	1158.65	1069.35	935.21	822.44	742.08	722.77	744.58
76	841.46	981.13	1024.72	1042.44	954.91	836.75	730.14	655.21	638.41	657.46
77	738.27	869.44	911.11	929.46	843.02	737.83	638.39	577.01	550.91	570.65
78	639.10	759.89	802.45	817.49	738.02	645.49	560.71	498.80	472.89	490.58
79	555.17	658.36	700.28	713.00	635.97	562.52	483.03	420.83	398.22	413.71
80	471.24	567.13	602.60	612.36	550.01	479.55	405.40	351.33	333.67	346.32
81	387.40	475.90	511.41	521.33	464.04	396.67	334.95	289.19	276.72	285.81
82	317.05	384.71	420.25	430.30	378.13	323.37	269.87	234.51	227.38	230.76
83	246.87	304.88	335.05	339.35	307.80	258.66	214.87	184.03	179.35	183.12
84	180.47	231.83	255.34	261.67	236.57	196.36	163.40	139.08	131.36	135.64
85	127.69	163.38	182.96	190.88	168.56	144.53	118.80	105.64	103.92	104.50
86	102.18	115.26	119.81	128.04	116.83	97.71	87.35	86.97	86.95	86.77
87	76.67	67.14	72.13	96.05	93.41	78.13	65.36	63.06	71.74	71.24
88	51.16	20.16	25.50	64.07	69.98	58.54	43.37	39.14	54.64	53.91
89	25.65	10.24	12.89	32.09	46.55	38.96	21.53	15.44	15.84	27.49
90	0.42	0.43	0.45	0.46	23.12	19.38	10.78	7.76	11.86	0.99
91	0.43	0.45	0.45	0.43	0.41	0.39	0.36	0.34	8.08	0.50
92	0.45	0.46	0.47	0.45	0.42	0.40	0.37	0.35	4.29	0.52

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

93	0.47	0.47	0.48	0.46	0.43	0.41	0.38	0.36	0.51	0.53
94	0.48	0.48	0.49	0.47	0.45	0.43	0.40	0.38	0.53	0.56
95	0.50	0.49	0.50	0.48	0.46	0.45	0.43	0.41	0.56	0.59
96	0.52	0.49	0.51	0.49	0.48	0.47	0.46	0.44	0.59	0.63
97	0.53	0.50	0.51	0.49	0.49	0.50	0.48	0.47	0.63	0.66
98	0.54	0.50	0.52	0.50	0.50	0.52	0.52	0.50	0.65	0.70
99	0.55	0.50	0.53	0.50	0.50	0.54	0.54	0.53	0.68	0.74
100	0.58	0.51	0.54	0.52	0.52	0.56	0.57	0.56	0.71	0.77
101	0.61	0.54	0.57	0.54	0.55	0.60	0.61	0.60	0.73	0.80
102	0.65	0.58	0.61	0.58	0.58	0.64	0.65	0.65	0.75	0.82
103	0.70	0.62	0.66	0.62	0.63	0.69	0.70	0.70	0.78	0.83
104	0.74	0.67	0.70	0.67	0.68	0.74	0.75	0.75	0.80	0.85
105	0.77	0.73	0.75	0.71	0.71	0.79	0.80	0.80	0.83	0.87
106	0.77	0.77	0.80	0.75	0.73	0.85	0.86	0.86	0.86	0.90
107	0.77	0.77	0.85	0.77	0.73	0.92	0.92	0.92	0.89	0.92
108	0.82	0.78	0.85	0.76	0.75	0.98	0.98	0.98	0.92	0.94
109	0.90	0.81	0.84	0.78	0.80	1.03	1.06	1.05	0.94	0.96
110	1.00	0.88	0.89	0.82	0.88	1.08	1.14	1.13	0.97	0.99
111	1.11	0.94	0.96	0.88	0.98	1.15	1.22	1.22	1.00	1.02
112	1.22	1.02	1.03	0.95	1.08	1.22	1.30	1.30	1.03	1.05
113	1.33	1.13	1.10	1.04	1.19	1.30	1.37	1.39	1.06	1.08
114	1.42	1.26	1.21	1.17	1.29	1.40	1.45	1.49	1.09	1.10
115	1.52	1.38	1.34	1.29	1.39	1.50	1.52	1.59	1.12	1.12
116	1.62	1.47	1.42	1.40	1.50	1.59	1.61	1.69	1.15	1.15
117	1.72	1.58	1.50	1.51	1.61	1.69	1.71	1.79	1.18	1.18
118	1.82	1.70	1.64	1.65	1.71	1.79	1.82	1.88	1.22	1.21
119	1.92	1.79	1.78	1.76	1.81	1.89	1.95	1.98	1.26	1.24
120	2.03	1.87	1.88	1.85	1.91	2.02	2.09	2.09	1.30	1.28
121	2.16	1.96	1.94	1.94	2.03	2.16	2.25	2.25	1.35	1.32
122	2.30	2.04	1.98	2.04	2.18	2.31	2.42	2.44	1.40	1.36
123	2.44	2.12	2.02	2.12	2.35	2.46	2.59	2.64	1.45	1.40
124	2.59	2.29	2.11	2.30	2.52	2.61	2.75	2.82	1.51	1.44
125	2.73	2.47	2.32	2.48	2.69	2.75	2.91	2.99	1.57	1.48
126	2.88	2.65	2.52	2.66	2.85	2.90	3.08	3.15	1.62	1.52
127	3.03	2.90	2.73	2.95	3.01	3.06	3.23	3.31	1.67	1.55
128	3.19	3.13	3.04	3.21	3.16	3.24	3.38	3.46	1.72	1.59
129	3.36	3.27	3.28	3.39	3.31	3.43	3.51	3.61	1.77	1.63
130	3.54	3.41	3.47	3.54	3.45	3.61	3.64	3.75	1.82	1.67
131	3.71	3.55	3.61	3.68	3.60	3.79	3.76	3.87	1.85	1.72
132	3.88	3.68	3.76	3.81	3.75	3.97	3.88	4.00	1.87	1.76
133	4.04	3.80	3.89	3.95	3.90	4.13	4.01	4.10	1.89	1.80
134	4.18	3.92	4.01	4.08	4.06	4.26	4.14	4.20	1.91	1.85
135	4.32	4.05	4.12	4.21	4.20	4.39	4.30	4.31	1.94	1.90
136	4.45	4.16	4.23	4.34	4.34	4.53	4.45	4.44	1.98	1.95
137	4.58	4.27	4.32	4.46	4.47	4.66	4.61	4.59	2.01	1.99
138	4.72	4.36	4.42	4.55	4.60	4.79	4.77	4.77	2.04	2.03
139	4.86	4.44	4.53	4.64	4.72	4.93	4.93	4.96	2.09	2.09
140	5.00	4.50	4.62	4.72	4.82	5.07	5.08	5.15	2.14	2.15
141	5.15	4.58	4.69	4.81	4.92	5.21	5.24	5.35	2.19	2.22
142	5.29	4.67	4.78	4.89	5.01	5.35	5.39	5.54	2.22	2.27
143	5.42	4.77	4.85	4.96	5.11	5.48	5.56	5.73	2.24	2.33
144	5.52	4.87	4.95	5.04	5.20	5.62	5.71	5.91	2.25	2.40
145	5.63	4.97	5.05	5.12	5.30	5.76	5.86	6.09	2.26	2.46
146	5.75	5.09	5.17	5.23	5.39	5.89	6.01	6.27	2.27	2.52
147	5.86	5.20	5.28	5.34	5.47	6.03	6.15	6.43	2.29	2.59
148	5.97	5.32	5.40	5.46	5.55	6.16	6.29	6.58	2.33	2.65



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C65-1-LSSC-ED-1-PCWD\_4000K.IES**

**CANDELA TABULATION - (Cont.)**

149	6.09	5.44	5.51	5.58	5.65	6.29	6.43	6.71	2.39	2.71
150	6.21	5.56	5.62	5.70	5.75	6.41	6.55	6.82	2.45	2.77
151	6.31	5.68	5.73	5.80	5.86	6.51	6.66	6.92	2.52	2.83
152	6.41	5.80	5.83	5.91	5.98	6.60	6.76	7.01	2.60	2.87
153	6.49	5.91	5.93	6.01	6.09	6.69	6.85	7.09	2.69	2.91
154	6.56	6.01	6.03	6.10	6.19	6.75	6.94	7.16	2.78	2.94
155	6.64	6.11	6.12	6.18	6.30	6.80	7.04	7.23	2.86	2.98
156	6.71	6.20	6.23	6.23	6.42	6.87	7.11	7.30	2.94	3.03
157	6.77	6.27	6.32	6.30	6.54	6.93	7.17	7.36	2.99	3.07
158	6.81	6.33	6.39	6.36	6.64	6.99	7.21	7.41	3.02	3.10
159	6.82	6.36	6.45	6.39	6.74	7.06	7.24	7.44	3.04	3.13
160	6.82	6.39	6.47	6.41	6.82	7.12	7.24	7.51	3.05	3.15
161	6.80	6.39	6.48	6.44	6.88	7.14	7.23	7.56	3.06	3.16
162	6.75	6.37	6.46	6.43	6.91	7.13	7.23	7.53	3.07	3.16
163	6.68	6.33	6.43	6.42	6.94	7.13	7.20	7.47	3.08	3.14
164	6.60	6.27	6.37	6.39	6.95	7.10	7.16	7.39	3.07	3.11
165	6.49	6.19	6.29	6.35	6.92	7.07	7.11	7.28	3.05	3.08
166	6.37	6.10	6.22	6.31	6.88	7.02	7.07	7.18	3.03	3.05
167	6.24	5.99	6.13	6.26	6.81	6.96	7.01	7.04	2.99	3.01
168	6.12	5.87	6.02	6.18	6.70	6.86	6.92	6.88	2.92	2.96
169	6.00	5.74	5.89	6.09	6.60	6.76	6.81	6.71	2.85	2.90
170	5.93	5.67	5.82	6.02	6.55	6.69	6.73	6.59	2.78	2.82
171	5.75	5.51	5.66	5.86	6.38	6.52	6.55	6.33	2.68	2.76
172	5.55	5.32	5.50	5.70	6.16	6.33	6.33	6.08	2.65	2.69
173	5.42	5.17	5.35	5.52	5.91	6.09	6.08	5.81	2.62	2.60
174	5.29	5.06	5.23	5.31	5.64	5.85	5.84	5.60	2.52	2.58
175	5.19	4.95	5.03	5.08	5.35	5.63	5.64	5.42	2.64	2.74
176	5.08	4.84	4.83	4.85	5.01	5.44	5.48	5.30	2.88	2.95
177	5.03	4.72	4.64	4.62	4.66	5.14	5.17	5.17	3.08	3.21
178	4.81	4.57	4.34	4.33	4.32	4.84	4.86	4.93	3.27	3.46
179	4.59	4.36	4.10	3.99	3.94	4.53	4.56	4.68	3.99	3.91
180	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82

**Vert. Angles**      **Horizontal Angles**

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	8289.61	8289.61	8289.61	8289.61	8289.61
1	8292.86	8292.85	8292.03	8292.04	8290.42
2	8292.88	8292.08	8292.05	8291.26	8288.84
3	8288.16	8288.92	8288.90	8287.32	8284.88
4	8280.07	8280.87	8282.44	8280.84	8276.81
5	8268.79	8271.18	8273.57	8271.97	8267.92
6	8255.25	8258.45	8261.64	8260.82	8255.99
7	8239.81	8243.82	8245.41	8247.01	8240.56
8	8224.54	8228.51	8230.09	8232.51	8225.29
9	8206.18	8208.61	8210.98	8213.40	8206.13
10	8184.93	8187.39	8189.71	8192.99	8184.05
11	8160.62	8163.02	8165.39	8169.40	8162.09
12	8133.59	8138.31	8141.48	8143.97	8135.83
13	8103.81	8110.17	8112.56	8116.53	8106.89
14	8070.26	8078.97	8083.00	8085.43	8076.45
15	8035.30	8045.69	8050.44	8052.06	8043.18
16	7997.28	8009.33	8015.70	8017.29	8008.41
17	7958.81	7969.26	7978.03	7980.42	7970.74
18	7918.61	7927.48	7938.60	7941.00	7931.31
19	7879.00	7882.44	7895.20	7899.15	7888.68

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

20	7836.94	7836.16	7848.95	7853.73	7844.03
21	7797.04	7789.27	7802.83	7808.28	7797.94
22	7752.81	7740.05	7752.17	7758.56	7747.28
23	7706.31	7689.33	7696.60	7706.90	7694.83
24	7657.12	7636.37	7639.61	7652.44	7639.38
25	7603.91	7581.96	7580.31	7593.15	7580.39
26	7546.35	7525.97	7517.76	7532.36	7517.05
27	7482.17	7466.83	7453.70	7467.35	7451.41
28	7412.56	7404.06	7386.07	7398.90	7382.78
29	7336.92	7337.59	7315.65	7326.85	7310.72
30	7256.87	7266.64	7242.11	7252.51	7235.60
31	7172.57	7191.55	7164.73	7174.52	7156.56
32	7083.18	7109.99	7083.93	7091.37	7071.83
33	6992.90	7024.17	7001.56	7005.50	6988.55
34	6899.43	6934.18	6914.30	6918.21	6898.86
35	6803.78	6837.49	6823.91	6825.68	6806.87
36	6703.70	6735.81	6729.65	6730.34	6712.04
37	6598.51	6628.99	6628.53	6629.97	6613.00
38	6490.67	6520.32	6528.03	6529.75	6512.81
39	6373.30	6405.33	6420.54	6421.69	6404.24
40	6249.39	6288.47	6308.57	6309.50	6294.90
41	6121.59	6169.56	6191.66	6195.45	6182.51
42	5986.84	6044.08	6073.36	6080.85	6064.27
43	5850.67	5913.23	5947.36	5959.99	5943.85
44	5711.55	5776.12	5817.70	5832.71	5816.58
45	5567.47	5637.18	5685.30	5705.11	5690.11
46	5413.77	5489.49	5545.20	5570.98	5556.09
47	5255.50	5338.85	5405.74	5435.58	5421.42
48	5087.38	5184.06	5264.81	5298.73	5285.45
49	4907.74	5025.74	5116.11	5154.48	5141.98
50	4723.64	4868.76	4968.23	5010.93	4996.06
51	4539.43	4707.40	4815.61	4862.72	4848.97
52	4352.87	4538.51	4657.89	4709.92	4697.19
53	4165.50	4370.27	4500.77	4554.95	4543.48
54	3963.24	4191.12	4339.95	4400.46	4388.33
55	3750.79	4009.09	4173.56	4242.26	4230.17
56	3539.38	3827.68	4010.38	4082.48	4072.78
57	3341.34	3648.58	3840.09	3919.32	3909.99
58	3159.19	3469.67	3673.38	3755.14	3748.68
59	2979.49	3290.46	3505.62	3594.37	3587.45
60	2793.88	3104.33	3341.29	3430.72	3423.92
61	2613.84	2916.28	3176.51	3268.77	3262.23
62	2447.49	2737.14	3010.99	3104.72	3096.54
63	2303.53	2561.92	2847.47	2936.61	2929.21
64	2160.37	2402.87	2682.27	2776.80	2767.53
65	2017.21	2242.33	2516.03	2606.56	2596.89
66	1886.90	2081.75	2392.52	2448.67	2438.14
67	1755.14	1921.17	2213.80	2294.72	2285.29
68	1627.02	1774.40	2033.97	2140.85	2132.55
69	1502.87	1639.36	1877.93	1986.99	1979.80
70	1381.40	1512.41	1724.84	1838.88	1832.43
71	1260.45	1390.77	1580.79	1693.86	1691.73
72	1144.88	1269.03	1444.07	1557.74	1548.69
73	1036.41	1153.46	1311.35	1419.73	1416.01
74	923.01	1040.23	1179.41	1289.75	1286.17
75	821.98	929.35	1055.64	1165.34	1160.22

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C65-1-LSSC-ED-1-PCWD\_4000K.IES**

**CANDELA TABULATION - (Cont.)**

76	728.73	827.66	935.74	1044.72	1039.57
77	634.36	725.14	824.22	926.06	921.30
78	552.31	630.73	718.81	813.33	810.91
79	470.61	542.25	616.70	703.38	704.12
80	393.45	456.22	524.59	601.29	604.39
81	323.65	378.72	439.63	499.96	507.80
82	260.09	306.75	362.56	410.69	415.03
83	210.59	242.19	290.70	325.91	327.61
84	161.40	190.50	221.03	248.99	248.17
85	112.21	139.15	162.17	186.61	184.98
86	84.51	87.80	103.70	124.34	121.81
87	67.53	57.47	60.05	62.06	58.65
88	49.62	38.28	28.14	22.70	19.33
89	25.28	30.70	14.39	17.05	14.31
90	0.91	23.18	0.89	11.61	9.77
91	0.53	15.66	0.58	6.17	5.23
92	0.55	8.14	0.59	0.72	0.69
93	0.57	0.62	0.61	0.59	0.60
94	0.60	0.63	0.63	0.59	0.60
95	0.64	0.67	0.66	0.59	0.60
96	0.67	0.70	0.68	0.59	0.60
97	0.70	0.73	0.70	0.59	0.60
98	0.74	0.76	0.71	0.58	0.60
99	0.77	0.78	0.73	0.59	0.60
100	0.80	0.81	0.76	0.60	0.61
101	0.83	0.84	0.77	0.60	0.61
102	0.86	0.86	0.80	0.58	0.63
103	0.89	0.90	0.82	0.62	0.65
104	0.91	0.92	0.84	0.65	0.66
105	0.93	0.95	0.86	0.70	0.64
106	0.95	0.97	0.88	0.74	0.66
107	0.97	1.00	0.90	0.78	0.68
108	0.99	1.02	0.93	0.82	0.72
109	1.01	1.05	0.96	0.85	0.76
110	1.03	1.07	0.99	0.87	0.78
111	1.05	1.11	1.02	0.89	0.76
112	1.08	1.14	1.06	0.92	0.74
113	1.10	1.18	1.10	0.95	0.70
114	1.13	1.22	1.14	1.01	0.72
115	1.17	1.26	1.18	1.06	0.76
116	1.21	1.30	1.22	1.11	0.80
117	1.25	1.33	1.25	1.15	0.84
118	1.30	1.37	1.30	1.20	0.86
119	1.35	1.41	1.34	1.24	0.87
120	1.39	1.45	1.38	1.28	0.89
121	1.44	1.49	1.42	1.32	0.92
122	1.48	1.54	1.47	1.36	0.95
123	1.52	1.58	1.52	1.39	0.99
124	1.56	1.62	1.58	1.44	1.03
125	1.59	1.66	1.63	1.50	1.09
126	1.63	1.70	1.69	1.58	1.15
127	1.66	1.74	1.74	1.65	1.22
128	1.70	1.78	1.80	1.71	1.29
129	1.74	1.83	1.87	1.76	1.35
130	1.79	1.87	1.93	1.81	1.41
131	1.83	1.92	1.99	1.86	1.46

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

132	1.87	1.96	2.06	1.91	1.51
133	1.91	2.01	2.12	1.96	1.55
134	1.95	2.07	2.17	2.00	1.59
135	2.00	2.12	2.23	2.05	1.64
136	2.05	2.19	2.29	2.09	1.68
137	2.09	2.25	2.34	2.14	1.72
138	2.14	2.31	2.39	2.18	1.77
139	2.19	2.37	2.44	2.23	1.82
140	2.24	2.42	2.48	2.28	1.88
141	2.28	2.46	2.52	2.33	1.93
142	2.33	2.51	2.55	2.38	1.98
143	2.38	2.56	2.58	2.43	2.04
144	2.43	2.61	2.62	2.48	2.10
145	2.48	2.66	2.66	2.53	2.17
146	2.52	2.70	2.68	2.58	2.24
147	2.56	2.75	2.70	2.64	2.32
148	2.60	2.79	2.73	2.70	2.40
149	2.65	2.83	2.77	2.76	2.47
150	2.69	2.87	2.80	2.81	2.56
151	2.74	2.91	2.84	2.87	2.64
152	2.78	2.95	2.89	2.93	2.72
153	2.82	2.98	2.93	2.99	2.79
154	2.86	3.02	2.98	3.06	2.87
155	2.89	3.05	3.03	3.12	2.93
156	2.93	3.08	3.07	3.19	3.00
157	2.96	3.11	3.12	3.25	3.06
158	2.98	3.13	3.16	3.31	3.12
159	3.00	3.14	3.19	3.37	3.17
160	3.03	3.15	3.22	3.42	3.22
161	3.06	3.17	3.25	3.47	3.27
162	3.08	3.18	3.27	3.51	3.32
163	3.10	3.19	3.29	3.55	3.36
164	3.10	3.20	3.31	3.58	3.38
165	3.10	3.21	3.32	3.60	3.40
166	3.08	3.19	3.32	3.61	3.39
167	3.03	3.15	3.30	3.59	3.36
168	2.96	3.08	3.26	3.55	3.31
169	2.89	3.01	3.22	3.48	3.25
170	2.81	2.93	3.19	3.41	3.18
171	2.74	2.87	3.15	3.33	3.12
172	2.68	2.81	3.08	3.23	3.04
173	2.63	2.74	3.00	3.11	2.94
174	2.60	2.70	2.92	3.00	2.84
175	2.66	2.76	2.95	2.97	2.85
176	2.89	2.93	3.13	3.06	2.93
177	3.16	3.16	3.35	3.28	3.11
178	3.56	3.53	3.63	3.51	3.47
179	4.05	3.98	3.96	3.76	3.64
180	3.82	3.82	3.82	3.82	3.82

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C65-1-LSSC-ED-1-PCWD\_4000K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3045.03	14.10	14.10
0-30	6513.43	30.20	30.20
0-40	10704.82	49.60	49.60
0-60	18289.39	84.70	84.70
0-80	21404.75	99.10	99.10
0-90	21581.83	99.90	99.90
10-90	20797.26	96.30	96.30
20-40	7659.78	35.50	35.50
20-50	11862.9	54.90	54.90
40-70	9734.35	45.10	45.10
60-80	3115.36	14.40	14.40
70-80	965.59	4.50	4.50
80-90	177.08	0.80	0.80
90-110	2.11	0.00	0.00
90-120	3.40	0.00	0.00
90-130	5.32	0.00	0.00
90-150	10.27	0.00	0.00
90-180	14.30	0.10	0.10
110-180	12.19	0.10	0.10
0-180	21596.13	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	784.57
10-20	2260.46
20-30	3468.41
30-40	4191.38
40-50	4203.12
50-60	3381.46
60-70	2149.77
70-80	965.59
80-90	177.08
90-100	1.27
100-110	0.85
110-120	1.28
120-130	1.92
130-140	2.42
140-150	2.54
150-160	2.22
160-170	1.40
170-180	0.41

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C65-1-LSSC-ED-1-PCWD\_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	97	99	96	93	95	93	91	92	90	88	86
2	101	93	87	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34	32
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	27

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C65-1-LSSC-ED-1-PCWD\_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	26.8	28.4	27.2	28.7	29.0	24.8	26.4	25.2	26.7	27.0
	3H	28.3	29.7	28.6	30.0	30.4	25.8	27.2	26.2	27.5	27.9
	4H	28.7	30.0	29.1	30.4	30.8	26.1	27.4	26.5	27.7	28.1
	6H	29.0	30.2	29.4	30.6	31.0	26.2	27.4	26.6	27.7	28.1
	8H	29.0	30.2	29.5	30.6	31.0	26.1	27.3	26.6	27.7	28.1
	12H	29.1	30.2	29.5	30.6	31.0	26.1	27.2	26.6	27.6	28.1

UGR Viewed Endwise

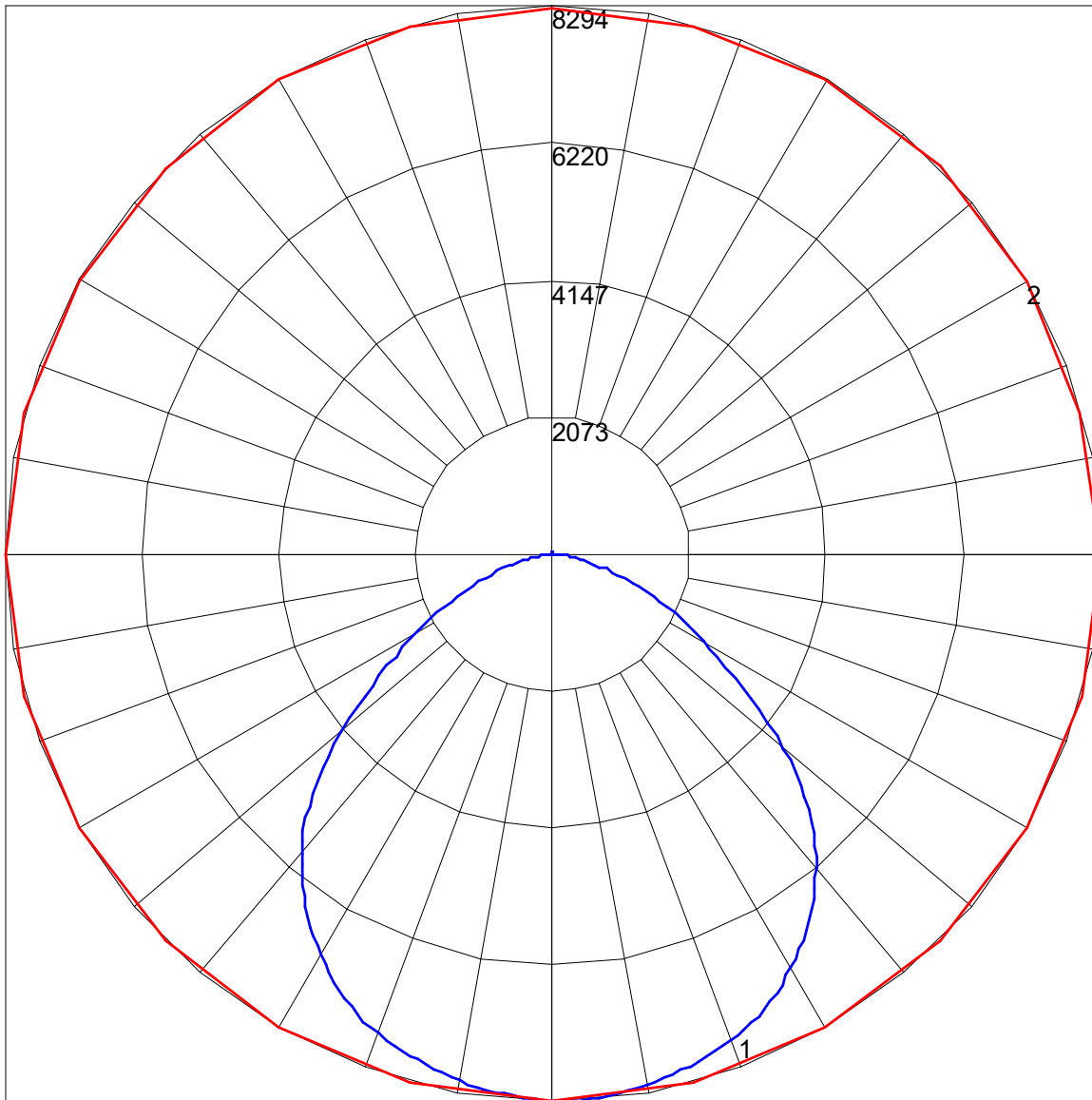
4H	2H	27.2	28.5	27.6	28.8	29.2	25.4	26.7	25.8	27.1	27.5
	3H	28.8	29.9	29.2	30.3	30.7	26.6	27.7	27.0	28.1	28.5
	4H	29.4	30.3	29.8	30.8	31.2	26.9	27.9	27.4	28.3	28.8
	6H	29.7	30.6	30.2	31.0	31.5	27.1	27.9	27.5	28.4	28.8
	8H	29.8	30.6	30.3	31.1	31.5	27.1	27.9	27.5	28.3	28.8
	12H	29.9	30.6	30.3	31.0	31.5	27.1	27.8	27.6	28.3	28.7

8H	4H	29.4	30.2	29.9	30.7	31.2	27.2	28.0	27.6	28.4	28.9
	6H	29.9	30.5	30.4	31.0	31.5	27.4	28.0	27.8	28.5	29.0
	8H	30.0	30.6	30.5	31.1	31.6	27.4	28.0	27.9	28.5	29.0
	12H	30.1	30.6	30.6	31.1	31.6	27.4	27.9	27.9	28.4	29.0

12H	4H	29.4	30.1	29.9	30.6	31.1	27.2	27.9	27.7	28.4	28.8
	6H	29.9	30.5	30.4	30.9	31.5	27.4	28.0	27.9	28.4	29.0
	8H	30.0	30.5	30.5	31.0	31.6	27.4	27.9	27.9	28.4	29.0

Maximum UGR = 31.6

POLAR GRAPH



Maximum Candela = 8293.65 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.)