

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SLSEL4HT30WWT35120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] DG3220530-23703E-EE
[TESTLAB] Bay Area Compliance Labs Corp.
[TESTDATE] 2022-06-08
[ISSUEDATE] 2022-06-08 15:13:03
[LAMPPOSITION] 0,0
[OTHER]
[MANUFAC] BEGHELLI
[LUMCAT] SLSEL4HT30WWT35120-277V
[LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4336
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	30.9
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.20 m
Luminous Width (90-270)	0.09 m
Luminous Height	0.05 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9488	7328	7223
55	8738	6549	6595
65	7659	5819	6048
75	5840	5189	5608
85	2381	4760	5330

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1134.81	1134.81	1134.81	1134.81	1134.81	1134.81	1134.81	1134.81	1134.81	1134.81
1	1134.51	1134.17	1134.17	1134.40	1134.47	1134.40	1134.63	1135.93	1135.07	1135.01
2	1133.32	1133.23	1133.12	1133.14	1134.20	1134.02	1134.88	1135.40	1134.98	1135.88
3	1131.81	1130.98	1131.56	1132.17	1132.86	1133.42	1134.16	1134.99	1135.06	1135.13
4	1129.17	1129.00	1129.56	1130.39	1131.81	1132.23	1133.56	1134.76	1133.76	1133.78
5	1126.53	1126.54	1127.71	1128.73	1130.43	1130.53	1132.37	1133.50	1132.38	1132.39
6	1123.92	1123.79	1125.03	1126.74	1128.55	1128.69	1130.64	1131.47	1130.06	1130.95
7	1120.37	1120.67	1121.98	1124.31	1126.27	1127.40	1128.75	1129.33	1128.39	1128.58
8	1116.26	1116.65	1119.20	1121.51	1124.39	1125.03	1126.98	1126.88	1125.64	1126.48
9	1112.13	1112.47	1115.30	1118.41	1121.49	1122.36	1123.75	1123.77	1122.12	1123.32
10	1107.77	1108.01	1111.40	1115.02	1118.61	1119.77	1121.14	1120.25	1118.35	1119.78
11	1103.05	1103.40	1107.06	1111.36	1115.15	1116.41	1116.78	1116.47	1114.47	1115.98
12	1097.00	1098.39	1102.56	1107.30	1111.70	1112.97	1113.63	1112.83	1110.16	1112.46
13	1091.28	1092.37	1097.02	1103.10	1107.54	1109.22	1108.83	1107.65	1105.20	1107.47
14	1085.29	1086.34	1092.04	1098.82	1103.98	1105.24	1104.63	1102.97	1099.86	1102.78
15	1078.36	1080.16	1086.59	1093.75	1099.11	1100.42	1099.76	1097.13	1094.18	1097.25
16	1071.25	1072.95	1080.60	1088.11	1094.70	1095.58	1094.17	1091.33	1087.93	1091.30
17	1063.71	1066.07	1073.80	1082.91	1089.69	1090.89	1088.69	1085.70	1080.91	1085.45
18	1056.17	1058.52	1067.23	1077.29	1084.59	1085.00	1082.47	1079.07	1074.11	1078.65
19	1047.52	1050.53	1060.23	1070.84	1078.57	1079.25	1076.38	1071.75	1066.66	1071.65
20	1038.53	1042.11	1052.98	1064.55	1072.98	1073.31	1069.68	1064.34	1059.22	1064.06
21	1029.64	1033.25	1045.68	1057.88	1067.31	1066.95	1063.21	1056.76	1050.50	1056.32
22	1020.76	1024.39	1037.78	1051.18	1060.58	1060.46	1055.70	1047.99	1042.02	1048.57
23	1010.73	1014.96	1029.04	1043.67	1053.67	1053.65	1047.24	1039.71	1032.44	1039.30
24	1000.55	1005.69	1020.64	1036.24	1046.54	1046.44	1039.68	1031.12	1023.57	1030.73
25	989.99	995.35	1011.39	1028.67	1039.86	1038.37	1031.42	1021.42	1013.57	1021.54
26	979.31	985.33	1002.66	1020.42	1032.31	1031.58	1022.44	1012.05	1003.31	1012.22
27	967.80	974.29	993.10	1012.73	1024.47	1023.27	1013.89	1001.81	992.62	1001.85
28	956.46	963.38	983.54	1004.27	1016.88	1015.23	1004.57	991.36	981.37	991.58
29	944.44	951.68	973.02	995.50	1008.72	1006.36	994.98	980.34	969.71	980.54
30	932.04	939.99	962.94	986.87	1000.27	998.06	984.18	968.53	957.84	969.96
31	919.60	928.14	952.55	977.52	991.91	989.16	974.35	957.60	945.95	958.38
32	906.65	916.25	941.72	967.99	983.08	979.85	964.02	945.94	933.60	947.13
33	893.52	903.54	930.85	958.32	974.14	970.40	953.21	933.87	920.20	935.01
34	880.06	890.65	919.85	948.89	964.95	960.28	942.35	921.13	907.19	922.95
35	866.46	877.81	907.72	938.42	955.24	951.14	931.16	908.76	893.98	909.68
36	852.24	864.69	896.40	928.31	945.67	940.80	919.74	895.16	879.87	897.29
37	838.10	850.54	884.11	918.44	936.05	930.60	907.72	881.72	865.30	883.68
38	823.46	836.88	872.41	907.41	925.92	919.80	895.78	868.09	850.95	870.43
39	808.65	823.07	859.92	897.05	915.39	909.64	883.02	853.85	836.10	856.60
40	793.82	808.97	847.33	886.08	905.52	898.41	871.01	839.68	820.65	842.52
41	778.64	793.96	834.98	875.18	895.08	887.85	858.72	825.21	805.86	828.50
42	762.94	779.40	822.21	864.09	884.50	876.32	845.48	810.56	789.91	813.62
43	747.38	764.53	809.45	852.60	873.87	865.38	833.18	795.72	774.18	799.15
44	731.10	749.03	796.40	841.54	862.87	853.69	820.03	780.51	757.84	784.49
45	715.39	734.22	783.16	829.80	852.27	842.35	805.99	764.92	741.42	769.26
46	699.02	718.73	770.05	818.03	840.92	830.73	793.17	749.35	724.45	753.56
47	682.71	703.30	756.44	806.68	829.90	818.85	779.83	733.68	707.76	738.33
48	665.31	687.54	743.21	794.20	818.26	806.58	766.34	717.83	690.67	722.73
49	648.72	671.31	729.44	782.45	806.80	794.10	752.23	701.24	673.22	706.74
50	632.08	656.36	715.96	770.39	795.23	782.43	738.49	685.12	655.76	690.60
51	614.64	639.99	702.08	758.22	783.49	770.15	724.40	668.77	638.37	674.54
52	597.19	623.71	688.26	745.80	771.66	757.63	710.32	651.96	620.34	658.23
53	579.78	607.70	674.28	733.58	759.96	745.32	696.23	635.31	602.17	641.94

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CANDELA TABULATION - (Cont.)

54	562.35	591.55	660.40	721.53	748.20	732.67	682.15	618.44	584.00	625.32
55	544.29	575.17	646.68	708.82	736.20	720.35	668.01	601.52	565.52	608.87
56	526.15	558.88	632.67	696.58	724.22	707.62	653.49	584.73	546.88	592.12
57	508.65	542.50	618.83	684.35	712.47	695.64	639.38	567.81	528.41	575.29
58	490.49	526.21	605.15	672.02	700.61	682.93	625.16	550.36	509.65	558.63
59	472.41	509.71	591.23	659.88	688.67	670.88	611.14	533.37	490.55	541.73
60	454.20	493.29	577.56	647.39	676.64	658.29	596.91	515.89	471.72	525.14
61	436.13	477.33	563.78	635.18	664.77	645.80	582.62	498.94	452.57	508.21
62	417.68	460.77	550.16	622.57	652.03	633.30	568.71	481.96	433.21	491.38
63	399.33	444.79	536.77	610.47	640.24	620.52	554.71	464.84	414.02	474.81
64	380.86	428.60	523.51	598.22	628.42	608.19	540.76	448.10	394.54	458.03
65	362.18	412.40	509.84	586.10	616.17	595.68	526.81	431.03	375.15	441.69
66	343.87	396.73	496.56	573.90	604.30	583.31	512.95	414.77	355.92	424.88
67	324.98	380.92	483.24	561.78	592.32	570.77	499.24	397.72	336.47	408.66
68	306.67	365.16	470.08	549.38	580.69	558.29	485.34	381.46	316.76	392.56
69	288.46	349.91	457.31	537.59	568.68	546.32	472.16	365.09	297.73	376.12
70	269.93	334.49	444.55	525.47	556.93	533.93	458.84	349.05	278.44	360.23
71	252.02	319.43	431.73	513.69	545.31	522.19	445.55	333.07	259.21	344.59
72	233.81	304.54	419.23	501.99	533.61	510.05	432.68	317.49	240.16	329.31
73	215.82	290.23	407.12	490.70	522.13	498.20	419.89	302.32	221.09	313.75
74	197.97	276.01	395.07	478.93	510.69	486.62	407.45	287.17	202.57	299.02
75	180.15	261.96	383.07	467.87	499.27	475.02	394.64	272.21	184.17	284.31
76	163.38	248.42	371.46	456.39	488.25	463.21	382.56	257.90	166.07	269.75
77	146.33	235.03	359.93	445.32	477.15	452.04	370.64	244.09	148.49	255.79
78	129.86	222.32	348.53	434.45	465.94	440.74	358.72	230.42	130.91	242.13
79	113.85	209.78	337.44	423.42	455.08	429.66	347.13	217.19	113.35	228.99
80	98.28	197.79	326.49	412.61	444.08	418.61	335.53	204.36	97.24	215.99
81	83.44	186.10	315.68	402.04	433.33	407.99	324.53	192.14	81.79	203.37
82	69.25	174.90	305.02	391.54	422.70	397.06	313.60	180.33	67.26	191.52
83	56.83	164.29	294.95	381.29	412.36	386.50	302.79	169.07	53.73	179.89
84	44.45	153.99	284.91	371.05	401.90	375.94	292.30	158.30	41.10	168.94
85	32.07	144.23	275.12	361.14	391.60	365.97	282.13	148.10	29.85	158.46
86	22.11	134.96	265.52	351.09	381.54	355.94	272.26	138.34	21.44	148.58
87	13.34	126.14	256.14	341.42	371.77	345.87	262.38	128.91	13.04	138.69
88	6.19	117.90	247.01	331.74	361.92	336.02	252.98	120.34	4.68	128.83
89	3.26	110.07	238.12	322.41	352.29	326.52	243.78	112.18	0.80	120.41
90	0.38	102.73	229.54	313.12	342.87	317.05	234.74	104.43	0.16	112.31
91	0.29	96.06	221.09	304.15	333.65	307.78	226.03	97.31	0.17	104.75
92	0.30	89.46	212.98	295.19	324.42	298.73	217.67	90.65	0.19	97.94
93	0.32	83.57	204.83	286.35	315.18	289.96	209.58	84.49	0.21	91.18
94	0.34	77.96	197.15	277.60	306.22	281.08	201.45	78.65	0.23	85.10
95	0.37	72.92	189.65	269.47	297.70	272.59	193.66	73.42	0.24	79.42
96	0.40	68.11	182.57	261.12	288.93	264.23	186.25	68.50	0.27	74.23
97	0.45	64.66	175.45	252.93	280.56	255.91	178.83	64.44	0.30	69.18
98	0.51	60.11	168.64	245.09	272.23	247.72	171.82	60.06	0.35	64.85
99	0.57	55.52	162.03	237.33	264.19	239.96	165.10	55.67	0.40	60.67
100	0.64	52.05	155.65	229.77	256.21	232.24	158.50	52.14	0.47	56.82
101	0.70	48.92	149.48	222.40	248.45	224.66	152.23	48.97	0.56	53.26
102	0.78	46.06	143.55	215.23	240.67	217.27	146.02	46.09	0.66	50.13
103	0.86	43.41	137.80	208.07	233.39	210.25	140.17	43.43	0.77	47.10
104	0.97	41.02	132.30	201.25	225.88	203.28	134.52	41.01	0.88	44.32
105	1.08	38.82	126.97	194.43	218.80	196.25	129.00	38.79	0.99	41.84
106	1.20	36.78	121.91	187.88	211.69	189.67	123.73	36.74	1.10	39.54
107	1.32	34.93	116.91	181.43	204.79	183.05	118.70	34.90	1.22	37.38
108	1.44	33.24	112.12	175.16	198.06	176.81	113.93	33.21	1.34	35.43
109	1.55	31.66	107.51	169.02	191.52	170.54	109.18	31.66	1.45	33.64

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CANDELA TABULATION - (Cont.)

110	1.67	30.22	103.14	163.03	185.03	164.58	104.65	30.19	1.58	31.94
111	1.79	28.89	98.90	157.28	178.76	158.75	100.41	28.87	1.70	30.39
112	1.90	27.65	94.90	151.61	172.59	152.98	96.30	27.68	1.82	28.99
113	2.03	26.52	90.97	146.17	166.57	147.41	92.32	26.54	1.94	27.64
114	2.15	25.47	87.27	140.88	160.84	141.97	88.52	25.49	2.05	26.38
115	2.27	24.49	83.65	135.60	155.10	136.76	84.94	24.56	2.16	25.26
116	2.39	23.59	80.25	130.58	149.55	131.72	81.40	23.67	2.27	24.18
117	2.51	22.77	77.05	125.68	144.21	126.71	78.06	22.84	2.39	23.17
118	2.63	21.99	73.89	121.03	139.02	121.98	74.88	22.07	2.51	22.26
119	2.74	21.24	70.86	116.38	133.90	117.35	71.85	21.39	2.63	21.38
120	2.87	20.57	67.99	111.92	128.94	112.86	68.98	20.71	2.75	20.54
121	2.99	19.94	65.20	107.65	124.09	108.50	66.12	20.08	2.87	19.77
122	3.11	19.34	62.55	103.38	119.41	104.21	63.43	19.51	2.99	19.07
123	3.23	18.79	59.91	99.45	114.83	100.22	60.75	18.95	3.10	18.37
124	3.34	18.24	57.26	95.46	110.39	96.20	58.06	18.41	3.22	17.73
125	3.47	17.75	54.95	91.63	106.07	92.41	55.70	17.93	3.33	17.13
126	3.59	17.28	52.73	88.00	101.86	88.65	53.46	17.47	3.45	16.57
127	3.72	16.84	50.59	84.41	97.82	85.06	51.32	17.03	3.56	15.99
128	3.84	16.41	48.57	80.98	93.80	81.52	49.26	16.61	3.67	15.46
129	3.97	16.01	46.62	77.68	89.99	78.20	47.28	16.21	3.78	14.94
130	4.09	15.64	44.81	74.48	86.34	75.04	45.45	15.84	3.89	14.43
131	4.22	15.27	43.01	71.37	82.73	71.88	43.61	15.49	3.99	13.93
132	4.35	14.93	41.29	68.29	79.28	68.86	41.88	15.15	4.10	13.45
133	4.47	14.61	39.66	65.40	75.94	65.94	40.24	14.84	4.20	13.00
134	4.60	14.31	38.10	62.60	72.69	63.10	38.66	14.52	4.31	12.54
135	4.73	14.00	36.59	59.79	69.55	60.26	37.15	14.24	4.40	12.09
136	4.86	13.72	35.17	56.99	66.50	57.42	35.69	13.96	4.50	11.68
137	4.99	13.45	33.82	54.56	63.58	54.96	34.30	13.69	4.60	11.28
138	5.13	13.21	32.50	52.15	60.67	52.54	32.98	13.45	4.69	10.93
139	5.27	12.99	31.24	49.88	57.75	50.27	31.71	13.23	4.78	10.48
140	5.41	12.77	30.06	47.72	55.15	48.09	30.50	13.01	4.86	9.67
141	5.56	12.56	28.92	45.63	52.66	45.93	29.34	12.80	4.93	9.05
142	5.70	12.36	27.81	43.60	50.25	43.91	28.22	12.60	5.02	9.08
143	5.84	12.17	26.77	41.66	47.94	41.96	27.16	12.42	5.11	8.79
144	5.98	12.00	25.76	39.80	45.73	40.06	26.13	12.23	5.20	8.46
145	6.10	11.83	24.78	37.97	43.56	38.26	25.14	12.05	5.28	8.15
146	6.21	11.65	23.85	36.28	41.49	36.53	24.19	11.84	5.35	7.90
147	6.29	11.49	22.94	34.61	39.49	34.85	23.27	11.56	5.39	7.70
148	6.36	11.32	22.08	32.99	37.59	33.20	22.38	11.23	5.41	7.47
149	6.40	11.17	21.24	31.46	35.74	31.67	21.53	10.98	5.43	7.21
150	6.43	11.02	20.44	29.97	33.99	30.17	20.72	10.90	5.44	6.99
151	6.48	10.88	19.66	28.56	32.31	28.73	19.94	10.55	5.45	6.55
152	6.52	10.75	18.93	27.21	30.67	27.39	19.20	10.35	5.47	6.10
153	6.54	10.63	18.24	25.92	29.16	26.06	18.49	10.38	5.48	5.67
154	6.56	10.51	17.56	24.69	27.67	24.83	17.80	10.16	5.49	5.35
155	6.61	10.41	16.91	23.47	26.22	23.61	17.14	9.95	5.51	5.17
156	6.62	10.30	16.29	22.32	24.88	22.47	16.50	9.90	5.51	5.21
157	6.60	10.16	15.68	21.22	23.58	21.37	15.88	9.62	5.52	5.36
158	6.59	9.98	15.11	20.18	22.33	20.31	15.21	9.15	5.51	5.35
159	6.55	9.76	14.55	19.17	21.13	19.30	14.40	8.78	5.50	5.32
160	6.51	9.50	14.01	18.21	19.99	18.33	13.54	8.41	5.48	5.33
161	6.47	9.23	13.50	17.29	18.89	17.40	12.87	8.03	5.45	5.34
162	6.40	8.95	13.01	16.41	17.86	16.52	12.16	7.67	5.42	5.32
163	6.34	8.69	12.53	15.59	16.87	15.66	11.39	7.40	5.38	5.30
164	6.27	8.44	12.07	14.78	15.93	14.85	10.47	7.19	5.34	5.30
165	6.18	8.22	11.65	14.04	15.03	14.09	9.92	7.05	5.30	5.26

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

166	6.09	8.03	11.27	13.33	14.19	13.23	9.54	6.99	5.26	5.25
167	6.13	7.87	10.86	12.66	13.41	12.37	9.15	6.92	5.27	5.25
168	6.13	7.66	10.39	12.05	12.69	11.53	8.70	6.93	5.36	5.28
169	6.24	7.46	9.80	11.51	12.03	10.77	8.20	6.99	5.45	5.37
170	6.31	7.32	9.21	10.95	11.43	9.84	7.66	7.00	5.54	5.49
171	6.35	7.13	8.68	10.29	10.81	9.07	7.27	6.97	5.64	5.62
172	6.40	7.06	8.29	9.50	10.00	8.07	7.00	6.97	5.74	5.72
173	6.42	6.95	8.10	8.78	9.17	7.07	7.02	6.96	5.86	5.84
174	6.48	6.85	7.87	8.28	8.41	6.67	7.05	6.95	5.99	5.97
175	6.55	6.75	7.62	8.11	8.14	6.27	7.06	6.94	6.11	6.10
176	6.61	6.69	7.34	7.98	7.83	6.17	6.97	6.90	6.23	6.22
177	6.65	6.67	7.06	7.40	7.42	6.15	6.77	6.78	6.36	6.35
178	6.70	6.67	6.78	6.87	7.00	6.01	6.56	6.76	6.51	6.50
179	6.72	6.66	6.50	6.35	6.59	5.92	6.46	6.73	6.65	6.64
180	6.74	6.74	6.74	6.74	6.74	6.74	6.74	6.74	6.74	6.74

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1134.81	1134.81	1134.81	1134.81	1134.81	1134.81	1134.81
1	1135.26	1134.43	1134.91	1134.35	1134.58	1133.74	1134.51
2	1135.28	1134.42	1134.57	1133.82	1133.63	1132.73	1133.32
3	1134.84	1133.86	1134.49	1133.07	1132.04	1131.13	1131.81
4	1134.02	1133.42	1133.18	1131.86	1130.45	1129.25	1129.17
5	1132.89	1132.43	1131.82	1130.27	1128.54	1126.85	1126.53
6	1131.39	1131.25	1130.22	1128.75	1126.25	1123.92	1123.92
7	1129.49	1129.63	1128.19	1125.75	1123.34	1120.30	1120.37
8	1127.34	1127.07	1126.65	1123.33	1119.66	1116.77	1116.26
9	1124.56	1124.69	1124.20	1120.55	1116.38	1112.58	1112.13
10	1121.82	1122.66	1121.40	1117.35	1112.87	1108.30	1107.77
11	1118.43	1119.64	1118.16	1114.38	1108.78	1103.25	1103.05
12	1114.64	1116.21	1115.01	1110.80	1103.96	1098.44	1097.00
13	1110.49	1112.56	1111.76	1106.53	1098.97	1092.31	1091.28
14	1106.70	1108.56	1107.72	1101.89	1093.89	1086.44	1085.29
15	1101.93	1104.73	1103.25	1097.19	1088.61	1080.12	1078.36
16	1096.39	1099.82	1098.48	1091.99	1082.53	1072.89	1071.25
17	1090.95	1095.12	1093.55	1086.56	1076.11	1065.81	1063.71
18	1085.41	1090.31	1088.45	1081.23	1069.81	1057.69	1056.17
19	1078.76	1084.36	1083.86	1075.11	1062.50	1049.81	1047.52
20	1072.34	1078.90	1077.83	1068.68	1055.13	1041.52	1038.53
21	1065.60	1072.38	1072.04	1062.43	1047.60	1033.06	1029.64
22	1058.28	1065.68	1066.05	1055.36	1039.88	1024.16	1020.76
23	1050.92	1058.84	1059.34	1048.33	1031.46	1014.23	1010.73
24	1043.01	1051.95	1052.44	1040.61	1022.86	1004.45	1000.55
25	1035.21	1044.70	1045.44	1033.42	1014.52	994.91	989.99
26	1026.33	1037.21	1038.10	1026.00	1005.00	984.78	979.31
27	1017.90	1029.29	1030.77	1017.51	996.23	973.97	967.80
28	1008.48	1021.22	1022.93	1009.50	986.82	963.05	956.46
29	998.94	1013.48	1014.38	1000.84	976.64	951.38	944.44
30	989.58	1004.51	1006.68	991.93	966.17	940.20	932.04
31	979.37	995.73	997.74	982.81	956.01	927.99	919.60
32	969.36	986.84	989.59	973.05	945.15	916.08	906.65
33	958.99	977.14	980.16	963.75	934.33	903.39	893.52
34	948.07	967.69	971.42	953.98	922.70	891.06	880.06
35	937.14	957.76	962.25	944.45	911.52	877.59	866.46
36	925.58	948.06	952.14	934.12	900.43	864.35	852.24

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CANDELA TABULATION - (Cont.)

37	914.35	938.04	942.23	923.39	888.06	850.67	838.10
38	903.04	927.29	932.00	912.98	876.15	837.17	823.46
39	890.78	917.10	922.31	902.43	863.91	822.92	808.65
40	878.60	906.35	911.76	891.70	851.81	808.80	793.82
41	866.64	895.36	901.66	880.51	839.14	794.82	778.64
42	854.22	884.50	890.78	869.24	826.41	780.03	762.94
43	841.15	873.17	880.40	858.07	813.71	765.37	747.38
44	828.58	861.81	869.23	846.85	800.67	750.32	731.10
45	815.67	850.14	858.31	835.22	787.61	735.26	715.39
46	802.82	839.00	846.99	823.45	774.36	719.72	699.02
47	789.43	827.05	835.89	811.35	761.42	704.59	682.71
48	775.99	815.51	824.48	799.48	748.08	688.96	665.31
49	762.05	803.53	812.84	787.67	734.60	673.15	648.72
50	748.77	791.16	801.26	775.94	720.82	657.72	632.08
51	735.22	779.22	789.87	763.98	707.58	641.76	614.64
52	721.08	766.75	777.75	751.59	693.82	625.65	597.19
53	707.14	754.79	766.28	739.43	679.92	609.58	579.78
54	693.42	742.32	754.17	726.89	666.33	593.37	562.35
55	679.45	729.92	742.41	714.59	652.41	577.15	544.29
56	665.49	717.37	730.00	702.11	638.73	561.15	526.15
57	651.48	704.80	718.28	689.62	624.56	544.90	508.65
58	637.54	692.19	705.99	677.18	610.63	528.40	490.49
59	623.73	679.71	693.93	664.52	596.99	512.12	472.41
60	609.53	667.47	681.66	652.29	583.44	495.95	454.20
61	595.53	654.74	669.83	639.87	569.29	479.52	436.13
62	581.48	642.15	657.73	627.38	555.97	463.14	417.68
63	567.50	629.74	645.56	615.13	542.53	447.33	399.33
64	553.81	617.00	633.37	602.46	529.12	431.17	380.86
65	539.97	604.34	620.98	590.33	515.44	414.99	362.18
66	526.39	592.28	608.74	578.13	502.16	399.27	343.87
67	512.75	579.94	596.94	566.09	489.08	383.49	324.98
68	499.32	567.24	585.08	553.47	475.92	367.69	306.67
69	485.84	554.92	572.89	541.48	462.83	352.18	288.46
70	472.65	542.66	561.17	529.44	450.26	337.01	269.93
71	459.52	530.79	549.16	517.66	437.45	321.89	252.02
72	446.65	518.84	537.52	506.02	424.94	306.96	233.81
73	433.61	506.75	525.83	494.02	412.51	292.54	215.82
74	421.07	494.85	514.47	482.48	400.57	277.99	197.97
75	408.55	483.11	502.81	470.91	388.08	263.92	180.15
76	396.09	471.41	491.23	459.48	376.52	250.34	163.38
77	383.88	459.77	480.06	448.39	364.66	236.98	146.33
78	371.91	448.46	468.83	437.10	353.09	223.75	129.86
79	360.13	437.26	457.65	425.89	341.98	211.26	113.85
80	348.54	426.04	446.83	414.99	330.71	199.12	98.28
81	337.07	415.00	435.77	404.19	319.80	187.06	83.44
82	325.94	403.96	425.09	393.56	309.10	175.87	69.25
83	315.17	393.23	414.49	383.15	298.64	165.19	56.83
84	304.28	382.48	403.69	372.62	288.27	154.77	44.45
85	293.80	372.10	393.49	362.32	278.34	144.58	32.07
86	283.63	361.88	383.33	352.60	268.62	134.40	22.11
87	273.66	351.73	373.17	342.71	259.01	125.29	13.34
88	263.84	341.90	363.19	332.84	249.70	116.76	6.19
89	254.43	332.22	353.57	323.31	240.62	109.03	3.26
90	244.87	322.32	343.85	314.02	231.89	101.44	0.38
91	235.94	312.88	334.30	304.64	223.11	94.41	0.29
92	227.11	303.50	325.00	295.73	214.91	87.96	0.30

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CANDELA TABULATION - (Cont.)

93	218.73	294.49	316.02	286.80	206.83	82.05	0.32
94	210.31	285.39	306.89	277.95	198.90	76.20	0.34
95	202.24	276.70	298.06	269.62	191.20	71.10	0.37
96	194.54	268.17	289.27	261.33	183.80	66.40	0.40
97	186.76	259.70	280.75	253.12	176.63	61.90	0.45
98	179.47	251.62	272.40	245.08	169.74	57.81	0.51
99	172.48	243.50	264.34	237.33	163.01	54.15	0.57
100	165.55	235.66	256.23	229.55	156.53	50.68	0.64
101	158.92	227.95	248.32	222.26	150.30	47.51	0.70
102	152.58	220.46	240.61	214.82	143.68	44.67	0.78
103	146.26	213.24	233.09	207.81	137.06	42.06	0.86
104	139.95	205.91	225.61	200.78	131.71	39.54	0.97
105	133.65	199.06	218.44	193.99	126.43	37.39	1.08
106	128.23	192.06	211.42	187.33	121.23	35.34	1.20
107	122.75	185.50	204.49	180.86	116.11	33.41	1.32
108	117.79	178.96	197.76	174.51	111.39	31.72	1.44
109	112.92	172.70	191.11	168.32	106.79	30.16	1.55
110	108.17	166.65	184.71	162.40	102.27	28.63	1.67
111	103.60	160.60	178.44	156.64	98.04	27.27	1.79
112	99.39	154.88	172.34	151.08	93.97	26.08	1.90
113	95.15	149.27	166.24	145.38	90.01	24.87	2.03
114	91.00	143.25	160.43	139.68	86.14	23.76	2.15
115	87.26	137.25	154.80	133.99	82.56	22.80	2.27
116	83.53	132.18	149.29	128.94	79.06	21.87	2.39
117	79.94	127.12	143.31	124.06	75.68	20.97	2.51
118	76.50	122.29	137.37	119.35	72.49	20.17	2.63
119	73.28	117.57	132.43	114.75	69.41	19.42	2.74
120	70.10	112.92	127.52	110.22	66.45	18.68	2.87
121	67.08	108.43	122.60	105.89	63.64	18.01	2.99
122	64.23	104.14	117.93	101.69	60.93	17.42	3.11
123	61.45	99.90	113.31	97.54	58.29	16.81	3.23
124	58.76	95.82	108.82	93.61	55.81	16.24	3.34
125	56.23	91.90	104.58	89.75	53.43	15.74	3.47
126	53.79	88.07	100.24	86.05	51.12	15.24	3.59
127	51.39	84.37	96.22	82.43	48.90	14.76	3.72
128	49.12	80.77	92.16	79.00	46.81	14.37	3.84
129	46.94	77.31	88.37	75.61	44.80	13.95	3.97
130	44.85	73.88	84.57	72.37	42.89	13.56	4.09
131	42.81	70.63	80.98	69.26	41.05	13.22	4.22
132	40.91	67.45	77.38	66.17	39.29	12.86	4.35
133	39.03	64.39	73.97	63.21	37.56	12.50	4.47
134	37.25	61.44	70.64	60.40	35.97	12.14	4.60
135	35.50	58.54	67.43	57.69	34.49	11.85	4.73
136	33.78	55.73	64.29	55.10	33.04	11.58	4.86
137	32.14	53.01	61.25	52.57	31.68	11.34	4.99
138	30.59	50.41	58.32	50.15	30.35	11.11	5.13
139	29.06	47.89	55.50	47.82	29.11	10.89	5.27
140	27.57	45.41	52.74	45.60	27.94	10.72	5.41
141	26.15	43.06	50.16	43.49	26.87	10.58	5.56
142	24.73	40.74	47.58	41.44	25.85	10.45	5.70
143	23.36	38.46	45.15	39.53	24.90	10.37	5.84
144	22.05	36.36	42.81	37.69	24.02	10.29	5.98
145	20.78	34.26	40.51	35.90	23.15	10.21	6.10
146	19.49	32.21	38.30	34.18	22.34	10.16	6.21
147	18.26	30.30	36.17	32.53	21.58	10.11	6.29
148	17.10	28.43	34.14	30.93	20.81	10.04	6.36

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CANDELA TABULATION - (Cont.)

149	16.02	26.64	32.20	29.45	20.12	10.02	6.40
150	15.03	24.97	30.30	27.99	19.44	9.98	6.43
151	14.12	23.34	28.52	26.56	18.75	9.93	6.48
152	13.28	21.79	26.77	25.21	18.13	9.91	6.52
153	12.44	20.29	25.15	23.92	17.50	9.87	6.54
154	11.59	18.87	23.58	22.67	16.87	9.84	6.56
155	10.23	17.52	22.08	21.45	16.25	9.80	6.61
156	9.12	16.34	20.62	20.28	15.61	9.75	6.62
157	8.59	15.23	19.21	19.14	15.02	9.69	6.60
158	8.04	14.22	17.84	17.99	14.44	9.61	6.59
159	7.71	13.26	16.64	16.87	13.88	9.51	6.55
160	7.32	12.29	15.54	15.87	13.29	9.39	6.51
161	6.77	11.32	14.51	14.92	12.70	9.25	6.47
162	6.49	10.42	13.61	14.04	12.11	9.04	6.40
163	5.95	9.61	12.70	13.22	11.53	8.75	6.34
164	5.55	8.46	11.80	12.39	10.99	8.41	6.27
165	5.30	7.31	11.02	11.57	10.46	8.03	6.18
166	5.21	7.09	10.34	10.85	9.97	7.68	6.09
167	5.33	6.66	9.80	10.20	9.55	7.37	6.13
168	5.57	6.06	9.22	9.67	9.02	7.08	6.13
169	5.66	5.75	8.40	9.11	8.37	6.83	6.24
170	5.65	5.52	7.52	8.38	7.75	6.75	6.31
171	5.74	5.35	6.68	7.68	7.26	6.87	6.35
172	5.82	5.55	5.68	7.12	6.88	7.05	6.40
173	5.91	5.84	4.88	6.78	6.90	7.12	6.42
174	6.03	5.99	5.22	6.80	7.16	7.00	6.48
175	6.10	6.11	5.24	6.86	7.16	6.70	6.55
176	6.19	6.15	5.28	6.22	6.95	6.48	6.61
177	6.27	6.10	5.45	6.02	6.57	6.46	6.65
178	6.36	6.08	5.53	5.56	6.31	6.38	6.70
179	6.51	6.24	5.74	4.77	5.98	6.37	6.72
180	6.74	6.74	6.74	6.74	6.74	6.74	6.74

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	416.26	N.A.	9.60
0-30	887.70	N.A.	20.50
0-40	1463.91	N.A.	33.80
0-60	2663.32	N.A.	61.40
0-80	3559.71	N.A.	82.10
0-90	3836.53	N.A.	88.50
10-90	3729.08	N.A.	86.00
20-40	1047.65	N.A.	24.20
20-50	1661.38	N.A.	38.30
40-70	1703.95	N.A.	39.30
60-80	896.39	N.A.	20.70
70-80	391.86	N.A.	9.00
80-90	276.82	N.A.	6.40
90-110	315.50	N.A.	7.30
90-120	396.47	N.A.	9.10
90-130	445.87	N.A.	10.30
90-150	489.28	N.A.	11.30
90-180	499.91	N.A.	11.50
110-180	184.41	N.A.	4.30
0-180	4336.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.45
10-20	308.81
20-30	471.43
30-40	576.21
40-50	613.74
50-60	585.68
60-70	504.53
70-80	391.86
80-90	276.82
90-100	189.21
100-110	126.29
110-120	80.96
120-130	49.40
130-140	28.35
140-150	15.07
150-160	7.18
160-170	2.79
170-180	0.66

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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
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	104	98	93	88	100	95	90	86	88	84	81	82	79	76	77	74	72	69
2	93	84	77	70	90	81	74	68	76	70	65	71	66	62	66	62	59	56
3	85	73	64	57	81	71	63	56	66	59	54	62	56	51	58	53	49	46
4	77	65	55	48	74	62	54	47	58	51	45	55	48	43	51	46	42	39
5	71	57	48	41	68	56	47	40	52	45	39	49	42	37	46	40	36	33
6	65	52	42	36	63	50	41	35	47	39	34	44	38	33	42	36	31	29
7	61	47	38	31	58	45	37	31	43	35	30	40	34	29	38	32	28	25
8	56	42	34	28	54	41	33	27	39	32	26	37	30	26	35	29	25	23
9	52	39	30	25	50	38	30	24	36	29	24	34	27	23	32	26	22	20
10	49	36	28	22	47	35	27	22	33	26	21	31	25	21	30	24	20	18

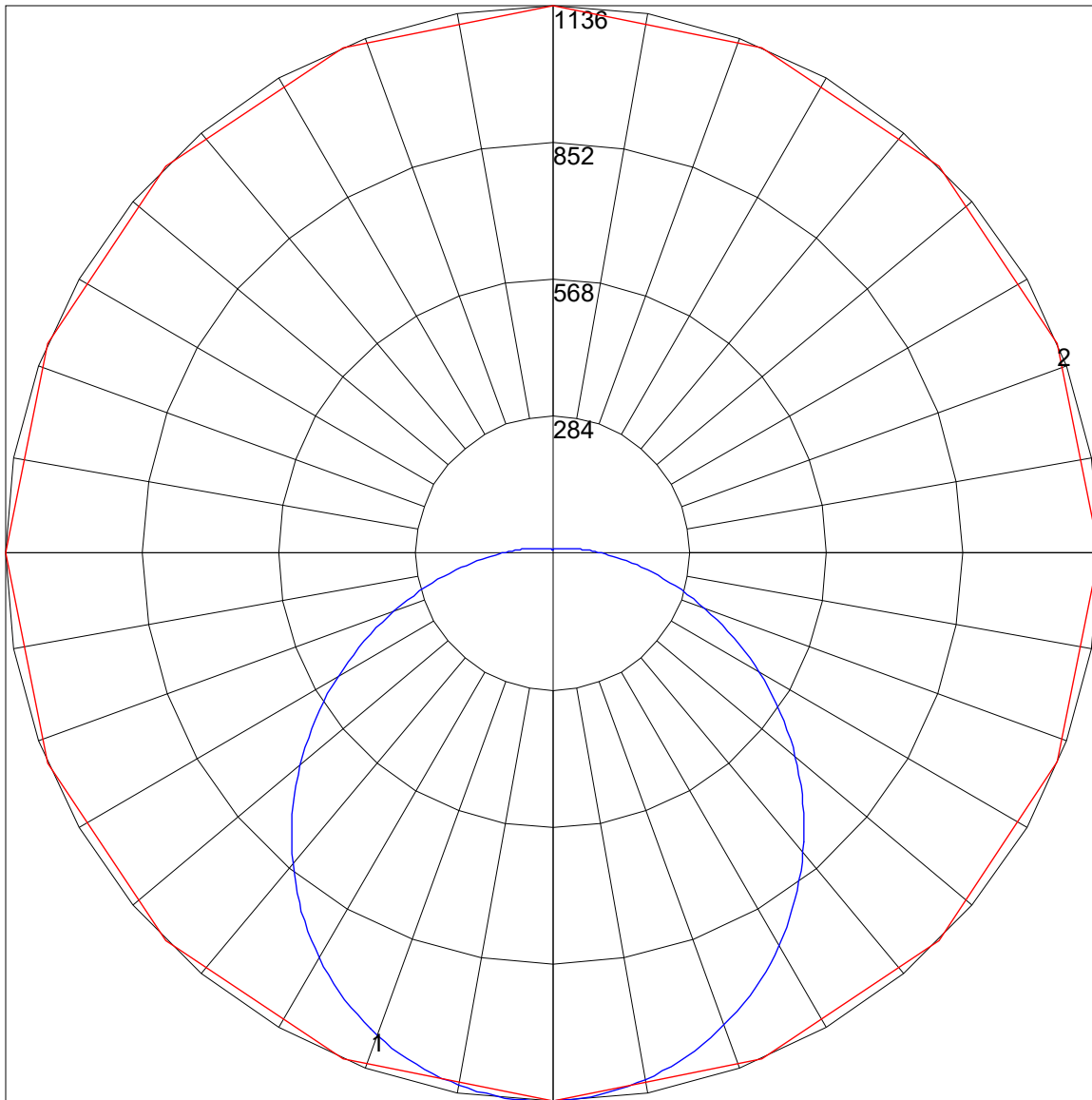
IES INDOOR REPORT
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UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	16.1	17.6	16.7	18.1	18.7	19.2	20.7	19.7	21.2	21.8
	3H	17.5	18.9	18.1	19.4	20.1	21.9	23.2	22.4	23.7	24.4
	4H	18.0	19.2	18.5	19.8	20.4	23.2	24.5	23.8	25.0	25.7
	6H	18.2	19.4	18.8	20.0	20.6	24.6	25.8	25.2	26.4	27.0
	8H	18.2	19.4	18.8	20.0	20.6	25.3	26.5	25.9	27.1	27.7
	12H	18.3	19.3	18.9	19.9	20.6	26.1	27.2	26.7	27.8	28.5
4H	2H	17.2	18.4	17.8	19.0	19.7	19.6	20.8	20.2	21.4	22.1
	3H	18.8	19.9	19.4	20.5	21.2	22.5	23.5	23.0	24.1	24.8
	4H	19.4	20.4	20.0	21.0	21.7	24.0	24.9	24.6	25.6	26.3
	6H	19.8	20.7	20.4	21.3	22.0	25.5	26.4	26.2	27.1	27.8
	8H	19.9	20.7	20.5	21.3	22.1	26.4	27.2	27.0	27.8	28.6
	12H	19.9	20.7	20.6	21.3	22.0	27.3	28.0	28.0	28.7	29.4
8H	4H	20.3	21.1	20.9	21.7	22.5	24.1	25.0	24.8	25.6	26.3
	6H	20.9	21.6	21.5	22.3	23.0	25.9	26.6	26.5	27.3	28.0
	8H	21.1	21.7	21.7	22.4	23.1	26.9	27.5	27.5	28.2	28.9
	12H	21.2	21.7	21.8	22.4	23.2	27.9	28.5	28.6	29.2	30.0
12H	4H	20.6	21.3	21.2	22.0	22.7	24.1	24.9	24.8	25.6	26.3
	6H	21.3	21.9	22.0	22.6	23.4	25.9	26.6	26.6	27.2	28.0
	8H	21.6	22.1	22.2	22.8	23.6	26.9	27.5	27.6	28.2	29.0

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 1135.93 Located At Horizontal Angle = 157.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (157.5 - 337.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)