

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P893671

Luminaire Tested: 4MB-5SL-RND-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893671
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-5SL-RND-UNV-L940
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

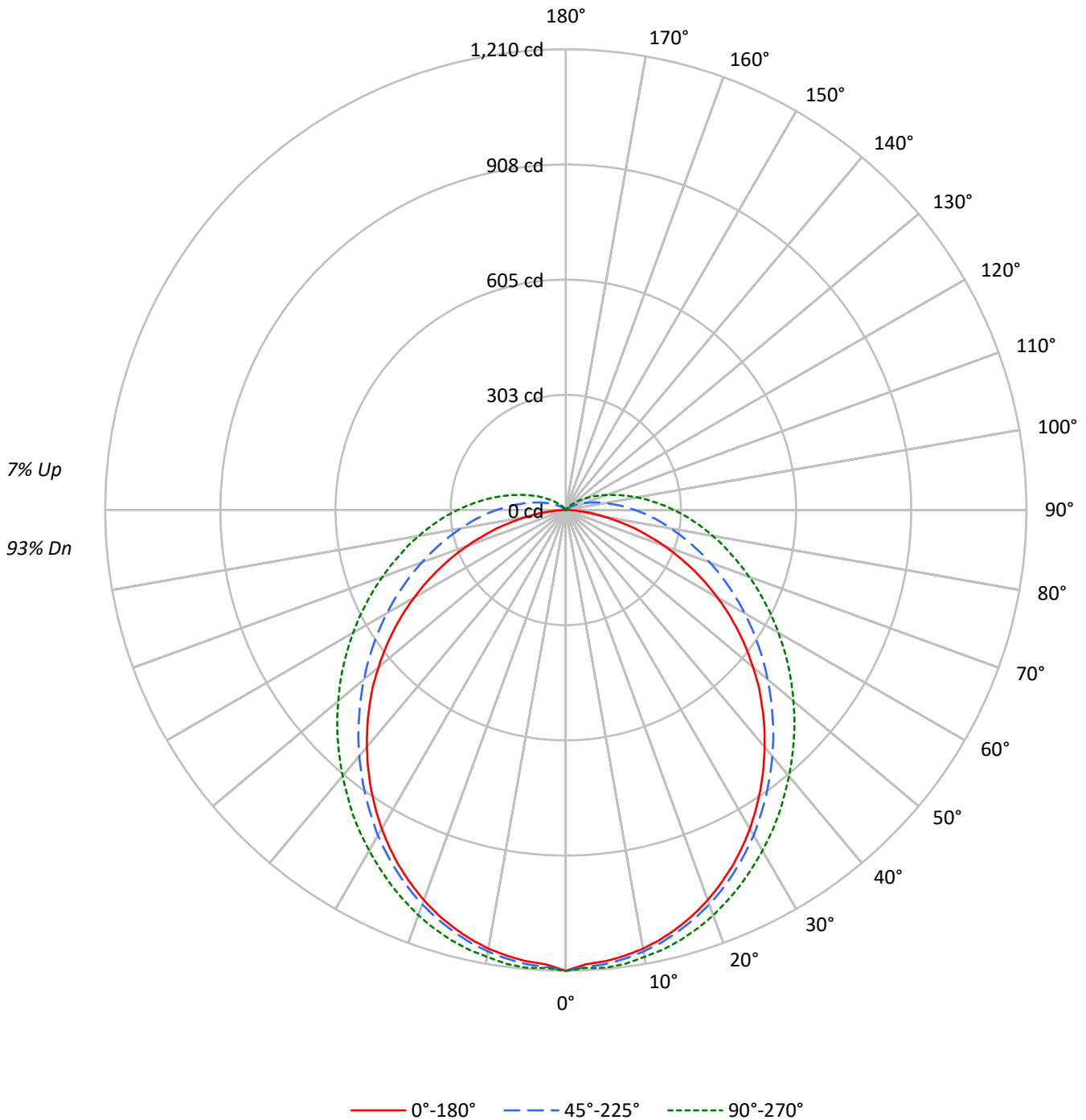
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4006.9 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.55
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8612	8612	8612
5°	8496	8551	8618
10°	8451	8506	8608
15°	8365	8435	8609
20°	8254	8347	8576
25°	8112	8231	8528
30°	7945	8108	8489
35°	7749	7963	8473
40°	7547	7838	8472
45°	7338	7729	8530
50°	7107	7663	8638
55°	6850	7649	8847
60°	6550	7723	9178
65°	6187	7924	9726
70°	5733	8373	10659
75°	5182	9322	12368
80°	4384	11485	16066
85°	3559	18711	27527

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 50680 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	2.9
10°-20°	326.1	8.1
20°-30°	488.4	12.2
30°-40°	582.3	14.5
40°-50°	603.9	15.1
50°-60°	560.3	14.0
60°-70°	467.4	11.7
70°-80°	348.5	8.7
80°-90°	232.0	5.8
90°-100°	141.3	3.5
100°-110°	78.9	2.0
110°-120°	39.4	1.0
120°-130°	16.5	0.4
130°-140°	5.2	0.1
140°-150°	1.3	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	929.0	23.2
0°-40°	1511.3	37.7
0°-60°	2675.5	66.8
0°-90°	3723.4	92.9
90°-120°	259.5	6.5
90°-150°	282.4	7.0
90°-180°	283.0	7.1
0°-180°	4006.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1190	1217	1197	1204	1207	113
15°	1136	1165	1145	1166	1169	320
25°	1033	1061	1048	1078	1086	476
35°	892	916	917	962	976	558
45°	729	748	768	829	848	563
55°	552	571	617	689	713	494
65°	368	397	471	550	578	364
75°	188	241	339	422	450	199
85°	44	119	229	308	337	49
90°	2	79	182	257	284	3
95°	0	48	140	210	235	0
105°	0	15	77	130	150	0
115°	1	4	36	73	87	1
125°	1	1	14	35	44	1
135°	1	1	4	12	16	1
145°	1	1	1	3	4	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	1
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4
2.5°	1194.3	1196.2	1213.3	1212.3	1209.5	1220.8	1223.7	1214.2	1199.0	1214.2	1200.9
5°	1189.6	1191.5	1208.5	1207.6	1204.7	1217.0	1218.0	1209.5	1194.3	1209.5	1197.2
7.5°	1181.0	1182.9	1200.0	1199.0	1197.2	1209.5	1208.5	1201.9	1185.8	1201.9	1188.6
10°	1169.7	1170.6	1188.6	1186.7	1185.8	1198.1	1195.3	1189.6	1173.5	1189.6	1177.3
12.5°	1154.5	1155.5	1173.5	1171.6	1171.6	1182.9	1179.2	1174.4	1158.3	1173.5	1163.1
15°	1135.6	1136.5	1153.6	1152.6	1152.6	1164.9	1159.3	1155.5	1140.3	1156.4	1145.1
17.5°	1114.8	1113.8	1131.8	1129.9	1131.8	1143.2	1135.6	1133.7	1119.5	1134.6	1125.2
20°	1090.1	1090.1	1106.2	1105.3	1108.1	1118.5	1109.1	1110.0	1095.8	1111.9	1102.4
22.5°	1062.7	1061.7	1077.8	1077.8	1080.7	1091.1	1080.7	1083.5	1069.3	1084.4	1076.9
25°	1033.3	1031.4	1047.5	1047.5	1052.2	1060.8	1049.4	1053.2	1039.9	1055.1	1048.5
27.5°	1001.1	998.3	1014.4	1015.3	1019.1	1027.6	1015.3	1021.0	1008.7	1022.9	1018.1
30°	967.0	964.2	980.3	981.2	985.9	992.6	980.3	987.8	976.5	990.7	986.9
32.5°	930.1	928.2	943.3	945.2	950.0	954.7	943.3	950.9	941.4	955.6	951.8
35°	892.2	890.3	904.5	907.3	912.1	915.9	903.5	914.0	905.4	918.7	916.8
37.5°	853.3	850.5	865.7	867.6	873.2	875.1	863.8	876.1	868.5	881.8	880.8
40°	812.6	809.8	824.9	826.8	832.5	832.5	823.0	836.3	830.6	842.9	843.9
42.5°	771.9	769.1	782.3	786.1	790.8	790.8	781.4	795.6	791.8	804.1	806.9
45°	729.3	726.4	738.7	742.5	748.2	748.2	738.7	754.8	752.0	764.3	768.1
47.5°	687.6	683.8	695.2	699.0	704.7	703.7	696.1	712.2	711.3	723.6	730.2
50°	642.1	639.3	650.7	654.5	661.1	659.2	653.5	670.6	670.6	682.9	692.3
52.5°	597.6	594.8	606.2	609.9	615.6	615.6	609.9	627.9	630.8	643.1	654.5
55°	552.2	548.4	559.7	563.5	570.2	571.1	566.4	584.4	590.1	604.3	616.6
57.5°	506.7	504.8	514.3	518.1	526.6	526.6	523.8	542.7	550.3	565.4	579.6
60°	460.3	458.4	466.9	471.7	481.1	483.0	481.1	501.0	511.4	526.6	542.7
62.5°	413.9	412.0	420.5	427.1	437.6	439.5	440.4	461.2	472.6	488.7	506.7
65°	367.5	365.6	374.1	381.7	394.0	396.8	399.7	421.5	434.7	451.8	470.7
67.5°	321.1	320.1	328.6	338.1	351.4	355.2	359.9	382.6	397.8	415.8	436.6
70°	275.6	274.7	283.2	294.6	310.7	315.4	321.1	343.8	362.7	381.7	402.5
72.5°	230.1	231.1	240.6	253.8	271.8	276.6	284.1	307.8	328.6	348.5	370.3
75°	188.5	188.5	198.9	214.0	233.9	240.6	249.1	273.7	295.5	316.3	339.1
77.5°	145.9	145.9	158.2	177.1	198.9	205.5	215.9	241.5	265.2	286.0	308.8
80°	107.0	108.9	123.1	142.1	164.8	173.3	185.6	211.2	236.8	257.6	280.3
82.5°	72.9	75.8	90.9	112.7	135.4	144.0	156.3	183.7	209.3	231.1	254.8
85°	43.6	48.3	64.4	86.2	109.9	119.3	132.6	158.2	183.7	205.5	229.2
87.5°	19.9	26.5	43.6	65.4	88.1	98.5	109.9	134.5	160.1	181.8	206.5
90°	1.9	11.4	28.4	47.4	69.1	78.6	90.0	113.7	138.3	158.2	181.8
92.5°	0.0	4.7	17.0	34.1	53.0	62.5	72.9	95.7	117.4	137.3	160.1
95°	0.0	1.9	9.5	23.7	39.8	48.3	57.8	78.6	100.4	119.3	140.2
97.5°	0.0	0.9	5.7	16.1	29.4	36.9	45.5	64.4	84.3	102.3	121.2
100°	0.0	0.9	2.8	10.4	21.8	27.5	36.0	52.1	70.1	86.2	105.1
102.5°	0.0	0.0	1.9	6.6	16.1	20.8	27.5	41.7	57.8	72.9	90.0
105°	0.0	0.0	0.9	4.7	11.4	15.2	20.8	33.1	47.4	60.6	76.7
107.5°	0.0	0.0	0.9	2.8	7.6	11.4	16.1	25.6	37.9	50.2	64.4
110°	0.9	0.9	0.9	1.9	5.7	8.5	11.4	19.9	31.3	41.7	54.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.9	0.9	0.9	0.9	3.8	5.7	8.5	15.2	24.6	33.1	44.5
115°	0.9	0.9	0.9	0.9	2.8	3.8	5.7	11.4	18.9	26.5	36.0
117.5°	0.9	0.9	0.9	0.9	1.9	2.8	3.8	8.5	14.2	20.8	29.4
120°	0.9	0.9	0.9	0.9	0.9	1.9	2.8	5.7	11.4	16.1	23.7
122.5°	0.9	0.9	0.9	0.9	0.9	1.9	1.9	4.7	8.5	12.3	18.0
125°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	5.7	9.5	14.2
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8	6.6	10.4
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	4.7	7.6
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8	5.7
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	2.8
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
145°	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9
167.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9
170°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
172.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9
175°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
177.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4	1210.4
2.5°	1204.7	1207.6	1210.4	1202.8	1207.6	1216.1	1218.9	1207.6	1211.4	1203.8
5°	1200.9	1202.8	1206.6	1197.2	1203.8	1211.4	1216.1	1206.6	1212.3	1206.6
7.5°	1193.4	1195.3	1200.0	1190.5	1199.0	1205.7	1211.4	1201.9	1207.6	1201.9
10°	1182.0	1184.8	1191.5	1180.1	1190.5	1196.2	1201.9	1191.5	1197.2	1191.5
12.5°	1167.8	1172.5	1178.2	1167.8	1178.2	1182.9	1190.5	1180.1	1186.7	1182.0
15°	1150.7	1155.5	1163.1	1152.6	1165.9	1169.7	1177.3	1166.8	1173.5	1168.7
17.5°	1130.9	1136.5	1146.0	1133.7	1148.8	1151.7	1159.3	1149.8	1156.4	1151.7
20°	1108.1	1113.8	1123.3	1111.9	1127.1	1129.0	1137.5	1129.0	1135.6	1132.7
22.5°	1081.6	1088.2	1097.7	1087.3	1103.4	1103.4	1113.8	1105.3	1112.9	1110.0
25°	1054.1	1061.7	1072.1	1060.8	1077.8	1077.8	1089.2	1080.7	1088.2	1086.3
27.5°	1024.8	1033.3	1045.6	1034.2	1051.3	1050.3	1061.7	1054.1	1062.7	1059.8
30°	993.5	1003.0	1015.3	1005.8	1023.8	1021.9	1033.3	1026.7	1034.2	1033.3
32.5°	959.4	969.8	985.0	974.6	992.6	990.7	1004.9	997.3	1006.8	1004.9
35°	925.3	936.7	951.8	942.4	962.3	959.4	973.6	967.0	976.5	975.5
37.5°	890.3	902.6	917.8	910.2	929.1	926.3	941.4	935.7	946.2	943.3
40°	854.3	866.6	882.7	876.1	896.0	892.2	908.3	903.5	914.0	912.1
42.5°	818.3	831.6	847.7	843.9	862.8	859.0	875.1	871.3	881.8	879.9
45°	781.4	795.6	812.6	808.8	828.7	824.9	841.0	838.2	848.6	847.7
47.5°	744.4	759.6	776.6	774.7	793.7	789.9	806.9	804.1	814.5	814.5
50°	706.5	723.6	740.6	739.7	758.6	754.8	770.0	770.0	781.4	780.4
52.5°	668.7	686.7	704.7	704.7	723.6	719.8	736.9	735.9	747.3	747.3
55°	632.7	648.8	666.8	670.6	688.6	682.9	700.9	702.8	712.2	713.2
57.5°	596.7	613.7	631.7	636.5	653.5	649.7	666.8	668.7	678.1	679.1
60°	560.7	576.8	594.8	601.4	618.5	614.7	631.7	633.6	644.0	645.0
62.5°	524.7	540.8	560.7	567.3	583.4	580.6	598.6	600.5	609.9	611.8
65°	489.7	506.7	525.6	535.1	550.3	546.5	564.5	566.4	576.8	577.7
67.5°	455.6	472.6	491.6	502.0	516.2	514.3	531.3	535.1	543.6	545.5
70°	422.4	439.5	459.3	469.8	484.0	483.0	499.1	502.0	511.4	512.4
72.5°	390.2	407.3	427.1	439.5	451.8	450.8	466.9	470.7	480.2	481.1
75°	359.0	377.0	395.9	409.2	421.5	420.5	436.6	440.4	448.9	449.9
77.5°	329.6	347.6	367.5	380.7	391.2	392.1	406.3	410.1	418.6	421.5
80°	302.1	319.2	338.1	352.3	361.8	363.7	377.0	381.7	388.3	392.1
82.5°	275.6	292.7	311.6	324.9	334.3	336.2	348.5	354.2	360.8	363.7
85°	250.0	267.1	285.1	299.3	307.8	308.8	321.1	326.8	332.4	337.2
87.5°	225.4	242.5	259.5	274.7	282.2	284.1	295.5	301.2	305.9	310.7
90°	200.8	217.8	234.9	249.1	256.7	257.6	269.9	275.6	280.3	284.1
92.5°	178.1	195.1	212.2	226.4	233.0	234.9	245.3	251.9	255.7	259.5
95°	156.3	173.3	188.5	203.6	210.3	213.1	222.6	228.3	233.0	234.9
97.5°	137.3	152.5	166.7	181.8	187.5	190.4	199.8	206.5	210.3	212.2
100°	119.3	133.5	146.8	161.0	166.7	169.5	178.1	183.7	187.5	190.4
102.5°	103.2	116.5	128.8	142.1	147.7	149.6	157.2	162.9	166.7	169.5
105°	89.0	101.3	112.7	125.0	129.8	132.6	139.2	144.0	147.7	149.6
107.5°	75.8	88.1	97.6	108.9	113.7	115.5	122.2	127.9	130.7	131.6
110°	64.4	74.8	84.3	93.8	99.4	101.3	107.0	111.8	114.6	115.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	54.0	63.5	72.0	80.5	85.2	87.1	92.8	97.6	99.4	100.4
115°	44.5	54.0	60.6	69.1	72.9	74.8	79.6	84.3	85.2	87.1
117.5°	36.0	44.5	51.1	57.8	61.6	63.5	67.2	71.0	72.9	73.9
120°	29.4	36.0	41.7	48.3	51.1	53.0	56.8	60.6	61.6	62.5
122.5°	23.7	29.4	34.1	39.8	42.6	44.5	47.4	50.2	51.1	52.1
125°	18.0	23.7	27.5	32.2	35.0	36.0	38.8	41.7	42.6	43.6
127.5°	14.2	18.0	21.8	25.6	27.5	28.4	31.3	33.1	34.1	35.0
130°	10.4	13.3	16.1	19.9	21.8	22.7	24.6	26.5	27.5	27.5
132.5°	7.6	10.4	12.3	15.2	16.1	17.0	18.9	20.8	20.8	21.8
135°	4.7	6.6	8.5	10.4	12.3	12.3	14.2	15.2	16.1	16.1
137.5°	3.8	4.7	5.7	7.6	8.5	9.5	9.5	11.4	11.4	11.4
140°	2.8	3.8	3.8	4.7	5.7	6.6	6.6	7.6	7.6	7.6
142.5°	1.9	2.8	2.8	3.8	3.8	4.7	4.7	4.7	5.7	5.7
145°	1.9	1.9	1.9	2.8	2.8	2.8	2.8	3.8	3.8	3.8
147.5°	0.9	0.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8
150°	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9	1.9	1.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.77	19.31	18.24	19.76	20.25	19.34	20.88	19.81	21.33	21.82
	3H	19.45	20.85	19.93	21.32	21.84	21.97	23.37	22.45	23.84	24.36
	4H	20.04	21.37	20.55	21.86	22.40	23.28	24.61	23.78	25.09	25.63
	6H	20.44	21.68	20.96	22.18	22.74	24.68	25.92	25.20	26.42	26.98
	8H	20.56	21.75	21.09	22.27	22.83	25.43	26.62	25.96	27.14	27.70
	12H	20.63	21.77	21.17	22.29	22.88	26.28	27.42	26.82	27.94	28.53
4H	2H	18.70	20.03	19.20	20.51	21.05	19.89	21.22	20.40	21.71	22.25
	3H	20.68	21.81	21.19	22.34	22.90	22.81	23.94	23.32	24.47	25.03
	4H	21.45	22.49	21.99	23.03	23.63	24.33	25.37	24.87	25.91	26.51
	6H	22.03	22.95	22.59	23.52	24.13	25.97	26.90	26.53	27.46	28.07
	8H	22.21	23.08	22.78	23.64	24.27	26.86	27.72	27.42	28.29	28.91
	12H	22.34	23.13	22.92	23.72	24.34	27.86	28.65	28.44	29.24	29.87
8H	4H	22.33	23.20	22.89	23.76	24.38	24.69	25.56	25.25	26.12	26.75
	6H	23.21	23.95	23.81	24.55	25.18	26.59	27.33	27.19	27.94	28.56
	8H	23.56	24.23	24.17	24.84	25.48	27.68	28.34	28.28	28.96	29.60
	12H	23.83	24.43	24.44	25.03	25.74	28.94	29.54	29.55	30.14	30.85
12H	4H	22.61	23.40	23.19	23.99	24.61	24.73	25.52	25.32	26.11	26.74
	6H	23.66	24.33	24.27	24.94	25.58	26.70	27.37	27.31	27.99	28.63
	8H	24.18	24.77	24.79	25.38	26.09	27.90	28.50	28.51	29.10	29.81