

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: P893670

Luminaire Tested: 4MB-5SL-RND-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893670
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-L935
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

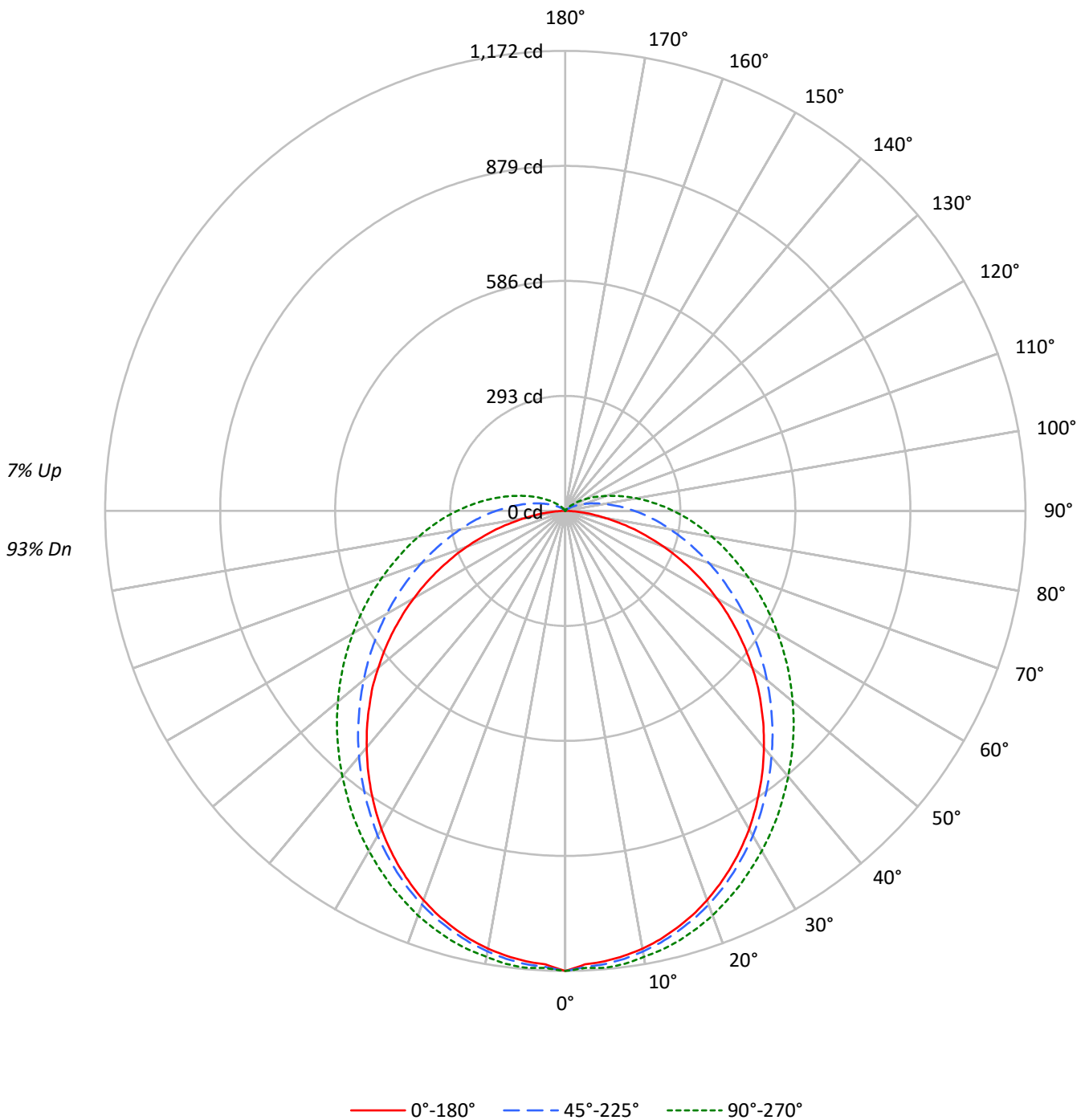
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3880.0 lumens
Efficiency: N/A
Efficacy: 110.9 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°	8339	8339	8339
5°	8227	8279	8345
10°	8183	8236	8335
15°	8100	8167	8336
20°	7993	8083	8305
25°	7854	7970	8258
30°	7693	7851	8220
35°	7504	7710	8205
40°	7309	7589	8203
45°	7106	7484	8259
50°	6883	7421	8365
55°	6633	7406	8567
60°	6342	7478	8887
65°	5990	7674	9418
70°	5552	8109	10320
75°	5017	9025	11975
80°	4245	11124	15558
85°	3445	18115	26654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 49065 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	2.9
10°-20°	315.8	8.1
20°-30°	472.9	12.2
30°-40°	563.8	14.5
40°-50°	584.8	15.1
50°-60°	542.5	14.0
60°-70°	452.6	11.7
70°-80°	337.4	8.7
80°-90°	224.7	5.8
90°-100°	136.8	3.5
100°-110°	76.4	2.0
110°-120°	38.2	1.0
120°-130°	15.9	0.4
130°-140°	5.0	0.1
140°-150°	1.2	0.0
150°-160°	0.5	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	899.5	23.2
0°-40°	1463.4	37.7
0°-60°	2590.7	66.8
0°-90°	3605.4	92.9
90°-120°	251.3	6.5
90°-150°	273.5	7.0
90°-180°	275.0	7.1
0°-180°	3880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1172	1172	1172	1172	1172	
5°	1152	1178	1159	1166	1168	109
15°	1100	1128	1109	1129	1132	310
25°	1000	1027	1015	1044	1052	461
35°	864	887	888	932	945	540
45°	706	724	744	802	821	545
55°	535	553	597	667	691	478
65°	356	384	456	533	559	352
75°	182	233	328	408	436	193
85°	42	116	222	298	326	47
90°	2	76	176	248	275	3
95°	0	47	136	204	227	0
105°	0	15	74	126	145	0
115°	1	4	35	71	84	1
125°	1	1	14	34	42	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	



TEST NUMBER: P893670

CATALOG NUMBER: 4MB-5SL-RND-UNV-L935

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0
2.5°	1156.5	1158.3	1174.8	1173.9	1171.1	1182.1	1184.9	1175.7	1161.0	1175.7	1162.9
5°	1151.9	1153.7	1170.2	1169.3	1166.5	1178.5	1179.4	1171.1	1156.5	1171.1	1159.2
7.5°	1143.6	1145.5	1162.0	1161.0	1159.2	1171.1	1170.2	1163.8	1148.2	1163.8	1151.0
10°	1132.6	1133.5	1151.0	1149.1	1148.2	1160.1	1157.4	1151.9	1136.3	1151.9	1139.9
12.5°	1117.9	1118.9	1136.3	1134.4	1134.4	1145.5	1141.8	1137.2	1121.6	1136.3	1126.2
15°	1099.6	1100.5	1117.0	1116.1	1116.1	1128.0	1122.5	1118.9	1104.2	1119.8	1108.8
17.5°	1079.4	1078.5	1095.9	1094.1	1095.9	1106.9	1099.6	1097.8	1084.0	1098.7	1089.5
20°	1055.6	1055.6	1071.2	1070.2	1073.0	1083.1	1073.9	1074.8	1061.1	1076.7	1067.5
22.5°	1029.0	1028.1	1043.7	1043.7	1046.4	1056.5	1046.4	1049.2	1035.4	1050.1	1042.7
25°	1000.5	998.7	1014.3	1014.3	1018.9	1027.1	1016.1	1019.8	1007.0	1021.6	1015.2
27.5°	969.4	966.6	982.2	983.1	986.8	995.0	983.1	988.6	976.7	990.5	985.9
30°	936.4	933.6	949.2	950.1	954.7	961.1	949.2	956.5	945.5	959.3	955.6
32.5°	900.6	898.8	913.4	915.3	919.8	924.4	913.4	920.8	911.6	925.3	921.7
35°	863.9	862.1	875.8	878.6	883.2	886.8	874.9	885.0	876.7	889.6	887.7
37.5°	826.3	823.6	838.2	840.1	845.6	847.4	836.4	848.3	841.0	853.8	852.9
40°	786.9	784.1	798.8	800.6	806.1	806.1	797.0	809.8	804.3	816.2	817.1
42.5°	747.4	744.7	757.5	761.2	765.8	765.8	756.6	770.4	766.7	778.6	781.4
45°	706.2	703.4	715.3	719.0	724.5	724.5	715.3	730.9	728.2	740.1	743.8
47.5°	665.8	662.1	673.1	676.8	682.3	681.4	674.1	689.7	688.7	700.7	707.1
50°	621.8	619.0	630.0	633.7	640.1	638.3	632.8	649.3	649.3	661.2	670.4
52.5°	578.7	575.9	586.9	590.6	596.1	596.1	590.6	608.0	610.8	622.7	633.7
55°	534.7	531.0	542.0	545.7	552.1	553.0	548.4	565.8	571.3	585.1	597.0
57.5°	490.6	488.8	498.0	501.7	509.9	509.9	507.2	525.5	532.8	547.5	561.3
60°	445.7	443.9	452.1	456.7	465.9	467.7	465.9	485.1	495.2	509.9	525.5
62.5°	400.8	398.9	407.2	413.6	423.7	425.5	426.4	446.6	457.6	473.2	490.6
65°	355.8	354.0	362.3	369.6	381.5	384.3	387.0	408.1	420.9	437.5	455.8
67.5°	310.9	310.0	318.2	327.4	340.2	343.9	348.5	370.5	385.2	402.6	422.8
70°	266.9	266.0	274.2	285.2	300.8	305.4	310.9	332.9	351.2	369.6	389.8
72.5°	222.9	223.8	232.9	245.8	263.2	267.8	275.1	298.1	318.2	337.5	358.6
75°	182.5	182.5	192.6	207.3	226.5	232.9	241.2	265.0	286.1	306.3	328.3
77.5°	141.2	141.2	153.2	171.5	192.6	199.0	209.1	233.9	256.8	277.0	299.0
80°	103.6	105.5	119.2	137.6	159.6	167.8	179.8	204.5	229.3	249.4	271.5
82.5°	70.6	73.4	88.0	109.1	131.1	139.4	151.3	177.9	202.7	223.8	246.7
85°	42.2	46.8	62.4	83.5	106.4	115.6	128.4	153.2	177.9	199.0	221.9
87.5°	19.3	25.7	42.2	63.3	85.3	95.4	106.4	130.2	155.0	176.1	199.9
90°	1.8	11.0	27.5	45.9	66.9	76.1	87.1	110.1	133.9	153.2	176.1
92.5°	0.0	4.6	16.5	33.0	51.4	60.5	70.6	92.6	113.7	133.0	155.0
95°	0.0	1.8	9.2	22.9	38.5	46.8	55.9	76.1	97.2	115.6	135.7
97.5°	0.0	0.9	5.5	15.6	28.4	35.8	44.0	62.4	81.6	99.0	117.4
100°	0.0	0.9	2.8	10.1	21.1	26.6	34.8	50.4	67.9	83.5	101.8
102.5°	0.0	0.0	1.8	6.4	15.6	20.2	26.6	40.4	55.9	70.6	87.1
105°	0.0	0.0	0.9	4.6	11.0	14.7	20.2	32.1	45.9	58.7	74.3
107.5°	0.0	0.0	0.9	2.8	7.3	11.0	15.6	24.8	36.7	48.6	62.4
110°	0.9	0.9	0.9	1.8	5.5	8.3	11.0	19.3	30.3	40.4	52.3



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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	3.7	5.5	8.3	14.7	23.8	32.1	43.1
115°	0.9	0.9	0.9	0.9	2.8	3.7	5.5	11.0	18.3	25.7	34.8
117.5°	0.9	0.9	0.9	0.9	1.8	2.8	3.7	8.3	13.8	20.2	28.4
120°	0.9	0.9	0.9	0.9	0.9	1.8	2.8	5.5	11.0	15.6	22.9
122.5°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	4.6	8.3	11.9	17.4
125°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.8	5.5	9.2	13.8
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.8	3.7	6.4	10.1
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.8	4.6	7.3
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.8	3.7	5.5
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.8	3.7
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.8
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
145°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
155°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
160°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
162.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
165°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9
167.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9
170°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
172.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9
175°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
177.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0	1172.0
2.5°	1166.5	1169.3	1172.0	1164.7	1169.3	1177.5	1180.3	1169.3	1173.0	1165.6
5°	1162.9	1164.7	1168.4	1159.2	1165.6	1173.0	1177.5	1168.4	1173.9	1168.4
7.5°	1155.5	1157.4	1162.0	1152.8	1161.0	1167.5	1173.0	1163.8	1169.3	1163.8
10°	1144.5	1147.3	1153.7	1142.7	1152.8	1158.3	1163.8	1153.7	1159.2	1153.7
12.5°	1130.8	1135.4	1140.9	1130.8	1140.9	1145.5	1152.8	1142.7	1149.1	1144.5
15°	1114.3	1118.9	1126.2	1116.1	1128.9	1132.6	1139.9	1129.9	1136.3	1131.7
17.5°	1095.0	1100.5	1109.7	1097.8	1112.4	1115.2	1122.5	1113.4	1119.8	1115.2
20°	1073.0	1078.5	1087.7	1076.7	1091.3	1093.2	1101.4	1093.2	1099.6	1096.8
22.5°	1047.3	1053.7	1062.9	1052.8	1068.4	1068.4	1078.5	1070.2	1077.6	1074.8
25°	1020.7	1028.1	1038.2	1027.1	1043.7	1043.7	1054.7	1046.4	1053.7	1051.9
27.5°	992.3	1000.5	1012.5	1001.5	1018.0	1017.1	1028.1	1020.7	1029.0	1026.2
30°	962.0	971.2	983.1	974.0	991.4	989.5	1000.5	994.1	1001.5	1000.5
32.5°	929.0	939.1	953.8	943.7	961.1	959.3	973.0	965.7	974.9	973.0
35°	896.0	907.0	921.7	912.5	931.8	929.0	942.8	936.4	945.5	944.6
37.5°	862.1	874.0	888.7	881.3	899.7	896.9	911.6	906.1	916.2	913.4
40°	827.2	839.1	854.7	848.3	867.6	863.9	879.5	874.9	885.0	883.2
42.5°	792.4	805.2	820.8	817.1	835.5	831.8	847.4	843.7	853.8	852.0
45°	756.6	770.4	786.9	783.2	802.5	798.8	814.4	811.6	821.7	820.8
47.5°	720.8	735.5	752.0	750.2	768.5	764.9	781.4	778.6	788.7	788.7
50°	684.2	700.7	717.2	716.3	734.6	730.9	745.6	745.6	756.6	755.7
52.5°	647.5	664.9	682.3	682.3	700.7	697.0	713.5	712.6	723.6	723.6
55°	612.6	628.2	645.6	649.3	666.7	661.2	678.6	680.5	689.7	690.6
57.5°	577.8	594.3	611.7	616.3	632.8	629.1	645.6	647.5	656.6	657.6
60°	542.9	558.5	575.9	582.4	598.9	595.2	611.7	613.5	623.6	624.5
62.5°	508.1	523.7	542.9	549.3	564.9	562.2	579.6	581.4	590.6	592.4
65°	474.1	490.6	509.0	518.2	532.8	529.2	546.6	548.4	558.5	559.4
67.5°	441.1	457.6	476.0	486.1	499.8	498.0	514.5	518.2	526.4	528.2
70°	409.0	425.5	444.8	454.9	468.6	467.7	483.3	486.1	495.2	496.1
72.5°	377.8	394.4	413.6	425.5	437.5	436.5	452.1	455.8	465.0	465.9
75°	347.6	365.0	383.3	396.2	408.1	407.2	422.8	426.4	434.7	435.6
77.5°	319.1	336.6	355.8	368.7	378.8	379.7	393.4	397.1	405.4	408.1
80°	292.6	309.1	327.4	341.2	350.3	352.2	365.0	369.6	376.0	379.7
82.5°	266.9	283.4	301.7	314.6	323.7	325.6	337.5	343.0	349.4	352.2
85°	242.1	258.6	276.0	289.8	298.1	299.0	310.9	316.4	321.9	326.5
87.5°	218.3	234.8	251.3	266.0	273.3	275.1	286.1	291.6	296.2	300.8
90°	194.4	210.9	227.4	241.2	248.5	249.4	261.4	266.9	271.5	275.1
92.5°	172.4	188.9	205.4	219.2	225.6	227.4	237.5	243.9	247.6	251.3
95°	151.3	167.8	182.5	197.2	203.6	206.3	215.5	221.0	225.6	227.4
97.5°	133.0	147.7	161.4	176.1	181.6	184.3	193.5	199.9	203.6	205.4
100°	115.6	129.3	142.1	155.9	161.4	164.2	172.4	177.9	181.6	184.3
102.5°	100.0	112.8	124.7	137.6	143.1	144.9	152.2	157.7	161.4	164.2
105°	86.2	98.1	109.1	121.1	125.6	128.4	134.8	139.4	143.1	144.9
107.5°	73.4	85.3	94.5	105.5	110.1	111.9	118.3	123.8	126.6	127.5
110°	62.4	72.5	81.6	90.8	96.3	98.1	103.6	108.2	111.0	111.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	52.3	61.4	69.7	78.0	82.5	84.4	89.9	94.5	96.3	97.2
115°	43.1	52.3	58.7	66.9	70.6	72.5	77.0	81.6	82.5	84.4
117.5°	34.8	43.1	49.5	55.9	59.6	61.4	65.1	68.8	70.6	71.5
120°	28.4	34.8	40.4	46.8	49.5	51.4	55.0	58.7	59.6	60.5
122.5°	22.9	28.4	33.0	38.5	41.3	43.1	45.9	48.6	49.5	50.4
125°	17.4	22.9	26.6	31.2	33.9	34.8	37.6	40.4	41.3	42.2
127.5°	13.8	17.4	21.1	24.8	26.6	27.5	30.3	32.1	33.0	33.9
130°	10.1	12.8	15.6	19.3	21.1	22.0	23.8	25.7	26.6	26.6
132.5°	7.3	10.1	11.9	14.7	15.6	16.5	18.3	20.2	20.2	21.1
135°	4.6	6.4	8.3	10.1	11.9	11.9	13.8	14.7	15.6	15.6
137.5°	3.7	4.6	5.5	7.3	8.3	9.2	9.2	11.0	11.0	11.0
140°	2.8	3.7	3.7	4.6	5.5	6.4	6.4	7.3	7.3	7.3
142.5°	1.8	2.8	2.8	3.7	3.7	4.6	4.6	4.6	5.5	5.5
145°	1.8	1.8	1.8	2.8	2.8	2.8	2.8	3.7	3.7	3.7
147.5°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
150°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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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	17.66	19.19	18.13	19.65	20.14	19.23	20.76	19.70	21.22	21.71
	3H	19.33	20.74	19.82	21.20	21.73	21.85	23.26	22.34	23.72	24.25
	4H	19.93	21.26	20.43	21.75	22.29	23.16	24.49	23.67	24.98	25.52
	6H	20.33	21.57	20.85	22.07	22.62	24.57	25.81	25.09	26.31	26.86
	8H	20.45	21.63	20.97	22.16	22.72	25.32	26.51	25.85	27.03	27.59
	12H	20.52	21.66	21.06	22.18	22.77	26.17	27.31	26.70	27.82	28.42
4H	2H	18.58	19.91	19.09	20.40	20.94	19.78	21.11	20.28	21.59	22.13
	3H	20.56	21.70	21.08	22.23	22.79	22.70	23.83	23.21	24.36	24.92
	4H	21.34	22.38	21.88	22.92	23.51	24.22	25.26	24.76	25.80	26.39
	6H	21.92	22.84	22.48	23.40	24.01	25.86	26.78	26.42	27.35	27.96
	8H	22.10	22.97	22.66	23.53	24.15	26.74	27.61	27.31	28.17	28.80
	12H	22.23	23.01	22.81	23.61	24.23	27.75	28.54	28.33	29.13	29.75
8H	4H	22.22	23.08	22.78	23.65	24.27	24.58	25.45	25.14	26.01	26.63
	6H	23.10	23.84	23.69	24.44	25.07	26.48	27.22	27.08	27.82	28.45
	8H	23.45	24.11	24.05	24.73	25.37	27.57	28.23	28.17	28.85	29.49
	12H	23.72	24.31	24.33	24.92	25.63	28.83	29.42	29.44	30.03	30.74
12H	4H	22.50	23.28	23.08	23.88	24.50	24.62	25.41	25.21	26.00	26.63
	6H	23.55	24.22	24.15	24.83	25.47	26.59	27.26	27.20	27.87	28.51
	8H	24.07	24.66	24.67	25.27	25.97	27.79	28.38	28.40	28.99	29.69