

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: P893628

Luminaire Tested: 4MB-5SL-FLTU-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-5SL-FLTU-UNV-L850
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 500
Light Source: -
Ballast/Driver: -

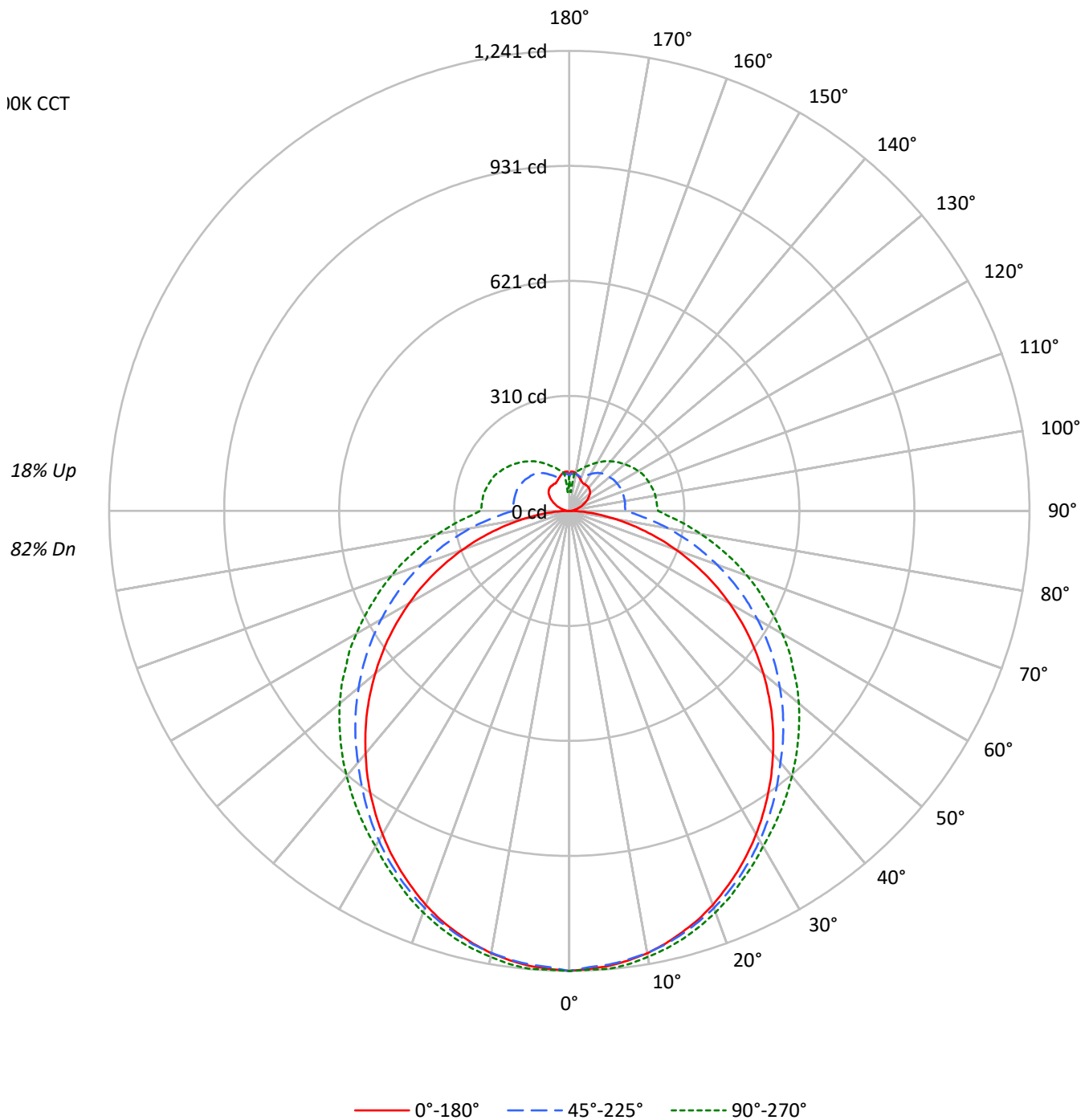
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4692.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')
CIE Type: Semi-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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CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L850

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8830	8830	8830
5°	8759	8461	8451
10°	8673	8137	8049
15°	8546	7811	7666
20°	8405	7478	7277
25°	8226	7131	6882
30°	8035	6776	6522
35°	7826	6421	6226
40°	7603	6070	5943
45°	7381	5765	5673
50°	7121	5449	5411
55°	6842	5138	5119
60°	6506	4806	4841
65°	6107	4455	4527
70°	5587	4071	4235
75°	4875	3678	3919
80°	3940	3258	3595
85°	2722	2831	3300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7381 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	2.5
10°-20°	334.8	7.1
20°-30°	502.9	10.7
30°-40°	603.9	12.9
40°-50°	635.0	13.5
50°-60°	596.6	12.7
60°-70°	496.1	10.6
70°-80°	354.0	7.5
80°-90°	210.7	4.5
90°-100°	152.5	3.3
100°-110°	150.5	3.2
110°-120°	141.4	3.0
120°-130°	125.3	2.7
130°-140°	103.8	2.2
140°-150°	77.7	1.7
150°-160°	51.1	1.1
160°-170°	29.0	0.6
170°-180°	9.2	0.2
0°-30°	955.0	20.4
0°-40°	1558.9	33.2
0°-60°	2790.6	59.5
0°-90°	3851.4	82.1
90°-120°	444.4	9.5
90°-150°	751.2	16.0
90°-180°	841.0	17.9
0°-180°	4692.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1232	1247	1229	1232	1240	117
15°	1176	1195	1181	1189	1194	332
25°	1073	1094	1088	1098	1101	494
35°	934	956	959	983	992	584
45°	772	793	816	858	873	595
55°	593	617	665	720	736	530
65°	404	436	506	569	585	399
75°	212	260	346	413	434	225
85°	53	117	203	271	294	58
90°	0	67	151	216	239	4
95°	6	70	151	214	237	6
105°	22	78	152	212	232	23
115°	42	85	151	203	223	42
125°	64	91	146	190	205	57
135°	78	95	138	173	186	60
145°	83	93	125	154	163	52
155°	84	94	105	130	138	39
165°	96	102	99	100	116	27
175°	106	105	100	85	51	10
180°	93	93	93	93	93	



TEST NUMBER: P893628
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1236.6	1240.0	1241.1	1252.4	1247.9	1252.4	1244.5	1235.4	1233.2	1238.8	1232.0
5°	1232.0	1235.4	1236.6	1247.9	1243.4	1246.8	1240.0	1230.9	1228.6	1235.4	1228.6
7.5°	1223.0	1226.4	1227.5	1240.0	1234.3	1238.8	1230.9	1221.8	1220.7	1227.5	1220.7
10°	1211.6	1215.0	1216.2	1227.5	1223.0	1227.5	1219.6	1210.5	1209.4	1217.3	1210.5
12.5°	1195.8	1199.2	1201.4	1212.8	1207.1	1212.8	1203.7	1194.6	1195.8	1202.6	1198.0
15°	1176.5	1181.0	1182.2	1193.5	1189.0	1194.6	1185.6	1176.5	1178.8	1185.6	1181.0
17.5°	1156.1	1160.6	1161.8	1172.0	1167.4	1174.2	1164.0	1156.1	1158.4	1165.2	1161.8
20°	1131.2	1135.7	1138.0	1148.2	1143.6	1150.4	1140.2	1133.4	1135.7	1143.6	1140.2
22.5°	1102.8	1109.6	1110.8	1122.1	1116.4	1123.2	1113.0	1107.4	1110.8	1118.7	1115.3
25°	1073.4	1080.2	1081.3	1092.6	1088.1	1093.8	1083.6	1077.9	1082.4	1090.4	1088.1
27.5°	1041.6	1048.4	1050.7	1060.9	1056.4	1063.2	1051.8	1048.4	1053.0	1060.9	1058.6
30°	1007.6	1014.4	1015.6	1025.8	1022.4	1029.2	1019.0	1014.4	1021.2	1029.2	1026.9
32.5°	971.4	978.2	981.6	990.6	987.2	992.9	983.8	981.6	987.2	995.2	994.0
35°	934.0	940.8	944.2	954.4	949.8	955.5	946.4	944.2	953.2	958.9	958.9
37.5°	895.4	902.2	905.6	915.8	910.1	917.0	907.9	906.7	917.0	922.6	922.6
40°	854.6	862.5	865.9	875.0	870.5	876.1	868.2	869.3	878.4	885.2	886.3
42.5°	813.8	821.7	825.1	835.3	829.7	835.3	828.5	829.7	839.9	846.7	852.3
45°	771.9	778.7	782.1	793.4	786.6	793.4	786.6	788.9	799.1	809.3	816.1
47.5°	727.7	734.5	740.1	749.2	743.5	749.2	744.7	748.1	760.5	770.7	779.8
50°	683.5	690.3	695.9	703.9	698.2	706.1	700.5	705.0	720.9	731.1	741.3
52.5°	638.1	643.8	652.9	657.4	652.9	661.9	657.4	664.2	680.1	692.5	703.9
55°	592.8	598.5	607.5	610.9	606.4	616.6	613.2	622.3	639.3	652.9	665.3
57.5°	546.3	552.0	559.9	563.3	559.9	571.3	570.1	580.3	597.3	612.1	625.7
60°	498.7	504.4	511.2	514.6	514.6	525.9	525.9	538.4	556.5	570.1	586.0
62.5°	452.2	455.6	462.4	467.0	470.4	481.7	481.7	495.3	514.6	530.4	546.3
65°	403.5	406.9	412.6	418.2	423.9	436.4	437.5	452.2	471.5	487.4	505.5
67.5°	354.8	358.2	363.8	370.6	378.6	391.0	393.3	409.2	429.6	447.7	464.7
70°	307.2	308.3	315.1	324.2	333.2	345.7	349.1	366.1	387.6	405.8	423.9
72.5°	259.6	260.7	267.5	278.8	289.0	302.6	307.2	325.3	346.8	365.0	383.1
75°	212.0	213.1	222.2	235.8	247.1	259.6	265.2	284.5	306.0	325.3	345.7
77.5°	166.6	168.9	177.9	191.6	205.2	219.9	225.6	244.8	268.6	286.8	306.0
80°	124.7	126.9	137.1	151.9	166.6	180.2	187.0	206.3	231.2	249.4	270.9
82.5°	86.1	89.5	102.0	117.9	132.6	147.3	154.1	172.3	195.0	215.4	235.8
85°	53.3	57.8	70.3	87.3	103.1	116.7	123.5	142.8	164.3	183.6	202.9
87.5°	24.9	31.7	44.2	61.2	78.2	89.5	97.5	116.7	137.1	156.4	175.7
90°	0.0	10.2	22.7	39.7	56.7	66.9	75.9	94.1	114.5	132.6	150.7
92.5°	2.3	11.3	24.9	40.8	57.8	68.0	77.1	95.2	114.5	132.6	150.7
95°	5.7	12.5	26.1	43.1	60.1	70.3	78.2	96.3	115.6	133.7	150.7
97.5°	10.2	15.9	29.5	45.3	62.3	71.4	80.5	98.6	116.7	134.9	151.9
100°	13.6	18.1	31.7	47.6	64.6	73.7	82.7	99.7	117.9	136.0	151.9
102.5°	17.0	22.7	35.1	49.9	66.9	75.9	83.9	100.9	119.0	136.0	151.9
105°	21.5	26.1	37.4	53.3	69.1	78.2	86.1	103.1	120.1	137.1	151.9
107.5°	26.1	29.5	40.8	55.5	71.4	79.3	87.3	104.3	121.3	137.1	151.9
110°	31.7	34.0	44.2	57.8	72.5	81.6	89.5	105.4	121.3	137.1	151.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	37.4	37.4	47.6	60.1	74.8	82.7	90.7	106.5	122.4	137.1	151.9
115°	41.9	43.1	51.0	62.3	77.1	85.0	91.8	106.5	122.4	137.1	150.7
117.5°	47.6	47.6	55.5	64.6	78.2	86.1	94.1	107.7	122.4	136.0	149.6
120°	53.3	52.1	58.9	68.0	80.5	87.3	95.2	108.8	122.4	136.0	148.5
122.5°	58.9	56.7	61.2	70.3	81.6	89.5	95.2	108.8	122.4	134.9	147.3
125°	63.5	61.2	64.6	73.7	83.9	90.7	96.3	108.8	122.4	133.7	146.2
127.5°	68.0	65.7	69.1	75.9	85.0	90.7	97.5	108.8	122.4	132.6	143.9
130°	72.5	69.1	73.7	78.2	87.3	91.8	97.5	108.8	121.3	131.5	141.7
132.5°	75.9	72.5	77.1	80.5	88.4	92.9	98.6	108.8	120.1	130.3	140.5
135°	78.2	74.8	80.5	82.7	90.7	95.2	99.7	108.8	119.0	129.2	138.3
137.5°	80.5	75.9	82.7	85.0	91.8	96.3	99.7	107.7	117.9	126.9	136.0
140°	81.6	78.2	85.0	87.3	90.7	95.2	99.7	106.5	115.6	124.7	132.6
142.5°	82.7	78.2	86.1	88.4	90.7	94.1	98.6	104.3	113.3	121.3	129.2
145°	82.7	79.3	86.1	88.4	90.7	92.9	96.3	103.1	109.9	116.7	124.7
147.5°	82.7	80.5	87.3	89.5	91.8	91.8	94.1	100.9	106.5	113.3	120.1
150°	83.9	80.5	87.3	89.5	92.9	92.9	94.1	97.5	104.3	108.8	114.5
152.5°	82.7	81.6	86.1	90.7	92.9	94.1	94.1	95.2	100.9	105.4	109.9
155°	83.9	83.9	87.3	92.9	94.1	94.1	95.2	94.1	96.3	100.9	105.4
157.5°	86.1	88.4	88.4	94.1	96.3	96.3	97.5	96.3	95.2	96.3	100.9
160°	89.5	91.8	91.8	95.2	98.6	98.6	99.7	98.6	97.5	96.3	96.3
162.5°	92.9	95.2	95.2	96.3	99.7	100.9	102.0	100.9	99.7	97.5	96.3
165°	96.3	98.6	98.6	98.6	100.9	102.0	103.1	102.0	102.0	99.7	98.6
167.5°	99.7	102.0	102.0	100.9	102.0	103.1	104.3	103.1	103.1	102.0	99.7
170°	103.1	105.4	105.4	103.1	104.3	104.3	105.4	104.3	104.3	102.0	100.9
172.5°	105.4	107.7	106.5	105.4	105.4	105.4	105.4	104.3	103.1	100.9	100.9
175°	106.5	108.8	108.8	106.5	105.4	105.4	106.5	104.3	103.1	102.0	99.7
177.5°	106.5	108.8	108.8	106.5	106.5	105.4	106.5	105.4	105.4	103.1	100.9
180°	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1236.6	1235.4	1228.6	1236.6	1236.6	1234.3	1243.4	1242.2	1241.1	1238.8
5°	1232.0	1230.9	1224.1	1232.0	1232.0	1230.9	1240.0	1241.1	1242.2	1240.0
7.5°	1225.2	1224.1	1217.3	1225.2	1225.2	1224.1	1234.3	1235.4	1236.6	1233.2
10°	1215.0	1213.9	1207.1	1215.0	1216.2	1215.0	1223.0	1224.1	1226.4	1221.8
12.5°	1201.4	1201.4	1194.6	1202.6	1203.7	1202.6	1210.5	1212.8	1215.0	1209.4
15°	1184.4	1185.6	1179.9	1187.8	1189.0	1189.0	1196.9	1198.0	1201.4	1193.5
17.5°	1164.0	1166.3	1161.8	1169.7	1170.8	1172.0	1176.5	1179.9	1183.3	1174.2
20°	1142.5	1143.6	1140.2	1147.0	1149.3	1148.2	1153.8	1158.4	1161.8	1152.7
22.5°	1116.4	1117.6	1114.2	1121.0	1123.2	1124.4	1128.9	1134.6	1136.8	1128.9
25°	1087.0	1091.5	1089.2	1096.0	1098.3	1098.3	1102.8	1108.5	1111.9	1100.6
27.5°	1058.6	1064.3	1062.0	1068.8	1071.1	1072.2	1074.5	1081.3	1084.7	1074.5
30°	1026.9	1033.7	1032.6	1039.4	1041.6	1040.5	1045.0	1051.8	1056.4	1045.0
32.5°	991.8	1000.8	999.7	1008.8	1011.0	1012.2	1015.6	1024.6	1029.2	1019.0
35°	957.8	968.0	969.1	979.3	982.7	983.8	988.4	997.4	1002.0	991.8
37.5°	922.6	936.2	939.6	949.8	953.2	954.4	958.9	969.1	973.6	963.4
40°	888.6	904.5	909.0	918.1	921.5	924.9	928.3	938.5	944.2	934.0
42.5°	854.6	871.6	877.3	886.3	889.7	893.1	897.7	909.0	913.6	904.5
45°	819.5	837.6	844.4	853.5	858.0	861.4	865.9	876.1	881.8	872.7
47.5°	784.3	802.5	809.3	819.5	824.0	828.5	831.9	844.4	850.1	841.0
50°	746.9	767.3	775.3	784.3	791.1	794.5	799.1	810.4	816.1	808.1
52.5°	709.5	731.1	740.1	749.2	756.0	761.7	763.9	776.4	782.1	774.1
55°	671.0	692.5	702.7	712.9	719.7	726.5	728.8	741.3	746.9	735.6
57.5°	632.5	655.1	665.3	676.7	682.3	690.3	693.7	705.0	710.7	702.7
60°	593.9	615.5	627.9	638.1	646.1	652.9	655.1	667.6	673.3	663.1
62.5°	554.3	576.9	589.4	600.7	607.5	615.5	618.9	630.2	634.7	624.5
65°	513.4	536.1	549.7	559.9	569.0	575.8	578.1	590.5	595.1	584.9
67.5°	472.6	495.3	510.0	521.4	529.3	537.2	539.5	552.0	556.5	548.6
70°	433.0	455.6	470.4	484.0	489.6	497.6	501.0	512.3	516.8	510.0
72.5°	393.3	416.0	431.8	445.4	451.1	459.0	463.6	472.6	479.4	473.8
75°	354.8	377.4	393.3	406.9	412.6	420.5	425.0	434.1	438.6	434.1
77.5°	317.4	340.0	354.8	368.4	375.2	382.0	386.5	395.6	401.2	396.7
80°	281.1	303.8	318.5	331.0	337.8	344.6	349.1	359.3	363.8	360.4
82.5°	247.1	268.6	284.5	297.0	303.8	310.6	315.1	324.2	329.8	325.3
85°	216.5	238.0	252.8	265.2	270.9	277.7	282.2	291.3	295.8	293.6
87.5°	187.0	206.3	223.3	235.8	241.4	248.2	253.9	260.7	266.4	263.0
90°	164.3	181.3	197.2	209.7	216.5	223.3	230.1	236.9	241.4	239.2
92.5°	165.5	181.3	196.1	207.4	214.2	221.0	227.8	235.8	239.2	236.9
95°	165.5	181.3	196.1	207.4	214.2	221.0	227.8	235.8	239.2	236.9
97.5°	165.5	181.3	196.1	207.4	214.2	221.0	227.8	235.8	239.2	235.8
100°	165.5	181.3	196.1	207.4	214.2	219.9	226.7	234.6	238.0	235.8
102.5°	165.5	181.3	195.0	206.3	213.1	218.8	225.6	233.5	236.9	234.6
105°	165.5	180.2	195.0	205.2	212.0	217.6	224.4	231.2	234.6	232.4
107.5°	164.3	179.1	192.7	204.0	209.7	215.4	222.2	229.0	232.4	230.1
110°	164.3	177.9	191.6	201.8	207.4	213.1	219.9	226.7	230.1	227.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	163.2	176.8	190.4	199.5	205.2	210.8	216.5	224.4	227.8	225.6
115°	162.1	175.7	188.2	197.2	202.9	207.4	214.2	222.2	224.4	223.3
117.5°	160.9	173.4	185.9	195.0	200.6	205.2	210.8	217.6	221.0	219.9
120°	159.8	171.1	183.6	191.6	197.2	201.8	206.3	213.1	216.5	214.2
122.5°	157.5	168.9	181.3	189.3	193.8	198.4	202.9	208.6	212.0	210.8
125°	155.3	166.6	177.9	185.9	190.4	193.8	198.4	204.0	206.3	205.2
127.5°	153.0	164.3	174.5	181.3	187.0	190.4	193.8	199.5	201.8	200.6
130°	150.7	160.9	171.1	177.9	182.5	185.9	189.3	195.0	196.1	196.1
132.5°	148.5	157.5	167.7	174.5	179.1	181.3	184.8	189.3	191.6	190.4
135°	146.2	154.1	164.3	170.0	173.4	176.8	180.2	184.8	185.9	185.9
137.5°	142.8	150.7	159.8	165.5	168.9	171.1	174.5	179.1	180.2	180.2
140°	139.4	147.3	155.3	159.8	164.3	166.6	168.9	173.4	174.5	174.5
142.5°	136.0	142.8	150.7	155.3	159.8	160.9	164.3	167.7	168.9	168.9
145°	131.5	139.4	146.2	150.7	154.1	155.3	158.7	162.1	162.1	163.2
147.5°	125.8	132.6	141.7	145.1	148.5	149.6	153.0	155.3	156.4	156.4
150°	120.1	126.9	134.9	140.5	143.9	145.1	146.2	149.6	149.6	150.7
152.5°	114.5	120.1	128.1	133.7	138.3	139.4	140.5	142.8	142.8	143.9
155°	108.8	113.3	120.1	125.8	130.3	132.6	134.9	137.1	137.1	138.3
157.5°	104.3	108.8	114.5	119.0	122.4	125.8	129.2	131.5	131.5	131.5
160°	98.6	102.0	107.7	111.1	115.6	117.9	123.5	125.8	125.8	126.9
162.5°	95.2	96.3	99.7	103.1	106.5	108.8	114.5	120.1	120.1	121.3
165°	96.3	95.2	96.3	97.5	99.7	100.9	104.3	112.2	114.5	115.6
167.5°	98.6	95.2	95.2	95.2	97.5	97.5	100.9	105.4	113.3	111.1
170°	98.6	95.2	92.9	92.9	94.1	92.9	95.2	98.6	103.1	107.7
172.5°	99.7	96.3	92.9	88.4	89.5	88.4	86.1	86.1	87.3	102.0
175°	98.6	96.3	91.8	86.1	85.0	81.6	74.8	69.1	65.7	51.0
177.5°	97.5	94.1	90.7	86.1	83.9	80.5	72.5	63.5	54.4	52.1
180°	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9



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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	15.25	16.57	15.87	17.20	17.92	17.80	19.12	18.42	19.75	20.48
	3H	16.66	17.86	17.28	18.50	19.25	20.23	21.43	20.86	22.07	22.83
	4H	17.08	18.22	17.73	18.88	19.65	21.37	22.51	22.02	23.16	23.93
	6H	17.32	18.38	17.98	19.04	19.83	22.51	23.57	23.17	24.23	25.02
	8H	17.36	18.38	18.04	19.06	19.85	23.07	24.08	23.74	24.77	25.55
	12H	17.38	18.34	18.05	19.02	19.84	23.65	24.62	24.33	25.30	26.12
4H	2H	16.14	17.28	16.79	17.93	18.70	18.15	19.29	18.80	19.94	20.71
	3H	17.76	18.73	18.43	19.42	20.21	20.78	21.75	21.45	22.44	23.23
	4H	18.32	19.21	19.00	19.90	20.72	22.07	22.96	22.75	23.65	24.47
	6H	18.66	19.44	19.36	20.16	20.99	23.38	24.16	24.08	24.88	25.71
	8H	18.73	19.47	19.44	20.19	21.03	24.04	24.77	24.74	25.49	26.33
	12H	18.77	19.43	19.49	20.17	21.02	24.74	25.41	25.47	26.15	27.00
8H	4H	18.97	19.70	19.67	20.42	21.26	22.23	22.96	22.93	23.68	24.52
	6H	19.47	20.09	20.21	20.85	21.69	23.68	24.30	24.41	25.06	25.90
	8H	19.63	20.18	20.37	20.95	21.80	24.46	25.02	25.20	25.78	26.63
	12H	19.72	20.21	20.47	20.97	21.88	25.32	25.82	26.07	26.57	27.49
12H	4H	19.13	19.80	19.86	20.54	21.39	22.22	22.88	22.94	23.62	24.47
	6H	19.73	20.29	20.48	21.05	21.91	23.70	24.25	24.44	25.02	25.87
	8H	19.96	20.46	20.71	21.21	22.13	24.53	25.02	25.28	25.78	26.69