

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: P893787

Luminaire Tested: 4MB-6SL-RNDU-UNV-L840

Issue Date: 11/11/2024

**Test Information**

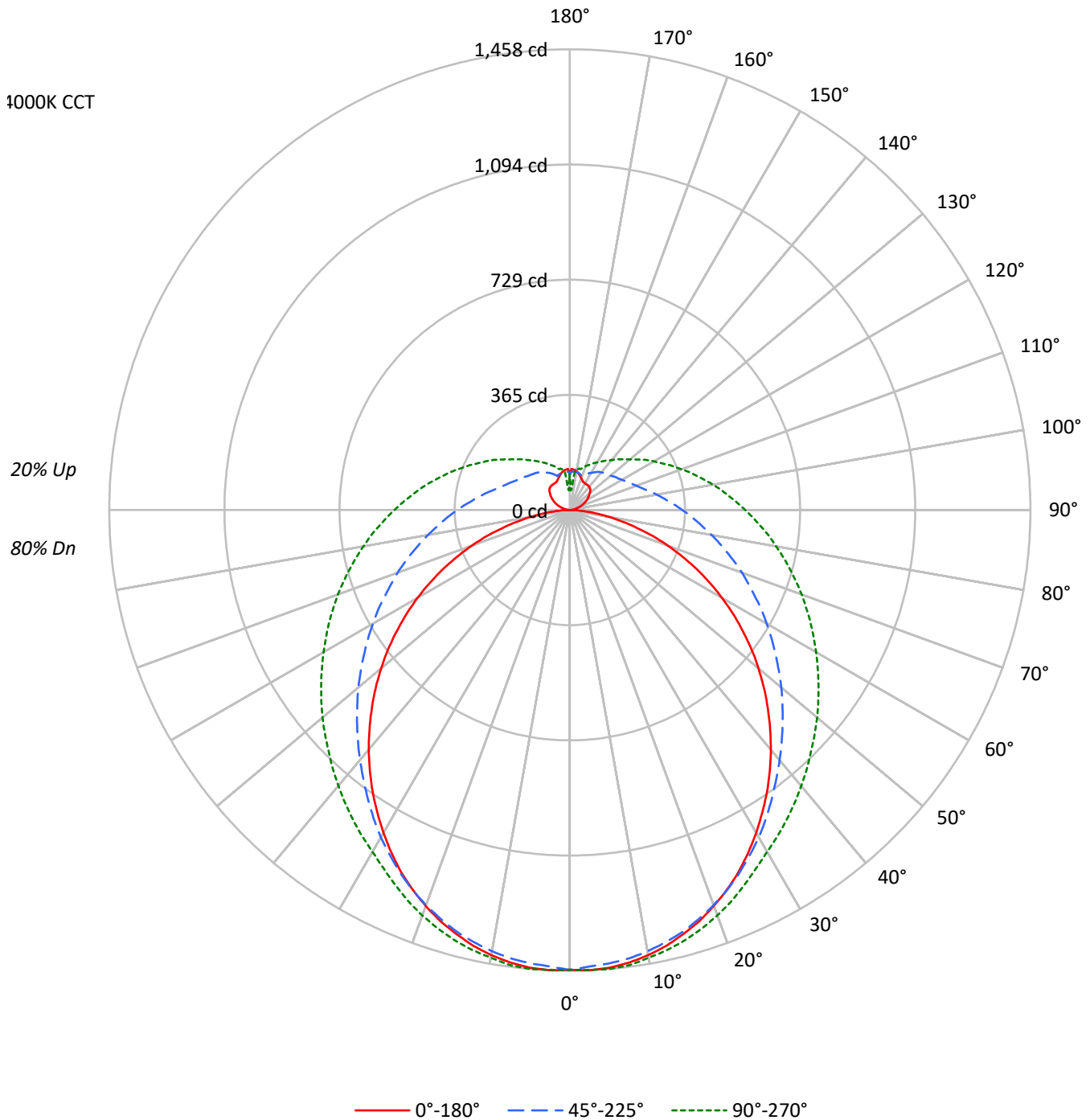
Test Method: LM-79-2019  
Report Number: P893787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-6SL-RNDU-UNV-L840  
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6121.0 lumens  
Efficiency: N/A  
Efficacy: 137.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 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): 44.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 4  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P893787  
CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L840

### 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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10354	10354	10354
5°	10337	9916	9937
10°	10240	9531	9478
15°	10088	9140	9054
20°	9907	8727	8619
25°	9688	8312	8182
30°	9408	7894	7795
35°	9118	7464	7510
40°	8808	7075	7251
45°	8473	6729	7020
50°	8123	6422	6843
55°	7719	6138	6688
60°	7262	5905	6571
65°	6707	5699	6506
70°	6018	5572	6484
75°	5094	5480	6513
80°	3981	5479	6617
85°	2543	5621	6833

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8473 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.7	2.2
10°-20°	392.6	6.4
20°-30°	589.5	9.6
30°-40°	708.8	11.6
40°-50°	751.0	12.3
50°-60°	723.2	11.8
60°-70°	640.1	10.5
70°-80°	525.0	8.6
80°-90°	407.4	6.7
90°-100°	316.2	5.2
100°-110°	250.5	4.1
110°-120°	199.6	3.3
120°-130°	158.5	2.6
130°-140°	123.8	2.0
140°-150°	91.1	1.5
150°-160°	60.3	1.0
160°-170°	34.7	0.6
170°-180°	11.1	0.2
0°-30°	1119.7	18.3
0°-40°	1828.5	29.9
0°-60°	3302.7	54.0
0°-90°	4875.2	79.6
90°-120°	766.3	12.5
90°-150°	1139.8	18.6
90°-180°	1246.0	20.4
0°-180°	6121.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1455	1455	1455	1455	1455	
5°	1454	1455	1440	1451	1458	138
15°	1389	1390	1382	1403	1410	392
25°	1264	1268	1268	1300	1308	582
35°	1088	1102	1115	1173	1196	680
45°	886	907	953	1043	1080	684
55°	669	702	795	912	961	598
65°	443	504	647	782	840	439
75°	222	332	515	660	721	237
85°	50	201	403	550	608	57
90°	1	158	356	498	555	4
95°	7	130	314	450	505	7
105°	25	105	248	368	417	27
115°	50	101	206	300	341	49
125°	72	105	180	248	278	64
135°	91	112	162	208	227	70
145°	97	111	147	179	190	61
155°	98	115	126	152	161	46
165°	116	123	119	119	134	33
175°	129	127	122	101	68	12
180°	112	112	112	112	112	



TEST NUMBER: P893787  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3
2.5°	1458.0	1456.7	1459.4	1462.2	1470.5	1459.4	1465.0	1449.7	1451.1	1452.5	1445.6
5°	1453.9	1449.7	1453.9	1456.7	1463.6	1455.3	1460.8	1444.2	1445.6	1448.4	1440.0
7.5°	1444.2	1440.0	1442.8	1445.6	1452.5	1444.2	1451.1	1434.5	1437.3	1438.7	1431.7
10°	1430.4	1424.8	1427.6	1431.7	1437.3	1430.4	1435.9	1420.7	1422.0	1424.8	1417.9
12.5°	1412.4	1406.8	1409.6	1412.4	1419.3	1412.4	1417.9	1402.7	1405.4	1408.2	1401.3
15°	1388.8	1383.3	1386.0	1388.8	1394.4	1390.2	1395.7	1380.5	1383.3	1388.8	1381.9
17.5°	1363.9	1355.6	1358.4	1362.5	1368.0	1365.3	1369.4	1357.0	1358.4	1363.9	1357.0
20°	1333.4	1325.1	1327.9	1332.0	1337.6	1336.2	1339.0	1327.9	1330.7	1337.6	1330.7
22.5°	1300.2	1291.9	1294.7	1300.2	1304.3	1304.3	1305.7	1297.4	1300.2	1307.1	1301.6
25°	1264.2	1255.9	1258.7	1264.2	1268.3	1268.3	1271.1	1262.8	1267.0	1273.9	1268.3
27.5°	1222.7	1218.5	1218.5	1224.0	1226.8	1229.6	1231.0	1224.0	1229.6	1236.5	1232.3
30°	1179.7	1174.2	1177.0	1183.9	1183.9	1189.4	1189.4	1183.9	1190.8	1199.1	1196.3
32.5°	1134.0	1129.9	1131.3	1139.6	1139.6	1146.5	1145.1	1142.3	1149.3	1159.0	1156.2
35°	1088.3	1084.2	1085.6	1093.9	1093.9	1102.2	1099.4	1099.4	1106.3	1117.4	1114.7
37.5°	1039.9	1037.1	1038.5	1046.8	1046.8	1055.1	1052.3	1053.7	1062.0	1074.5	1073.1
40°	990.0	987.3	990.0	997.0	999.7	1006.6	1003.9	1006.6	1017.7	1028.8	1033.0
42.5°	938.8	937.4	940.2	947.1	949.9	956.8	955.4	959.6	970.6	987.3	992.8
45°	886.2	886.2	889.0	895.9	898.6	907.0	905.6	911.1	925.0	943.0	952.6
47.5°	833.6	834.9	836.3	844.6	844.6	858.5	854.3	862.6	880.6	901.4	912.5
50°	779.6	782.3	783.7	790.6	793.4	805.9	803.1	816.9	836.3	858.5	873.7
52.5°	725.6	728.3	731.1	736.6	739.4	754.6	751.9	769.9	793.4	816.9	833.6
55°	668.8	674.3	675.7	682.6	686.8	702.0	702.0	722.8	747.7	774.0	794.8
57.5°	613.4	618.9	620.3	628.6	634.2	652.2	654.9	678.5	706.2	732.5	757.4
60°	556.6	563.6	564.9	573.2	582.9	602.3	606.5	632.8	663.3	690.9	720.0
62.5°	499.9	506.8	509.6	517.9	533.1	552.5	559.4	589.9	621.7	652.2	684.0
65°	443.1	450.0	454.2	465.2	483.2	504.0	513.7	545.6	581.6	613.4	646.6
67.5°	386.3	394.6	400.2	414.0	437.6	459.7	469.4	505.4	542.8	577.4	612.0
70°	330.9	339.2	346.2	364.2	391.9	414.0	426.5	465.2	504.0	541.4	580.2
72.5°	276.9	285.2	294.9	317.1	347.5	372.5	386.3	426.5	469.4	506.8	546.9
75°	221.5	231.2	242.3	272.8	307.4	332.3	347.5	390.5	434.8	472.2	515.1
77.5°	171.7	181.4	198.0	228.5	267.2	294.9	311.5	357.2	402.9	440.3	484.6
80°	126.0	135.7	157.9	191.1	231.2	257.5	278.3	325.4	372.5	411.2	455.6
82.5°	85.8	95.5	121.9	157.9	200.8	227.1	246.5	296.3	343.4	383.6	427.9
85°	49.8	63.7	91.4	130.2	174.5	200.8	220.2	271.4	317.1	357.2	402.9
87.5°	22.2	38.8	69.2	108.0	152.3	177.2	198.0	245.1	293.5	333.7	379.4
90°	1.4	22.2	54.0	91.4	134.3	157.9	177.2	224.3	270.0	311.5	355.9
92.5°	2.8	15.2	44.3	78.9	119.1	142.6	162.0	206.3	249.2	292.2	335.1
95°	6.9	15.2	38.8	70.6	108.0	130.2	148.2	191.1	231.2	272.8	314.3
97.5°	11.1	16.6	37.4	66.5	99.7	120.5	137.1	177.2	217.4	254.8	296.3
100°	15.2	20.8	37.4	63.7	94.2	113.5	128.8	166.2	203.5	238.2	279.7
102.5°	19.4	24.9	40.2	63.7	91.4	108.0	123.2	157.9	192.5	224.3	263.1
105°	24.9	29.1	42.9	63.7	88.6	105.2	117.7	149.5	182.8	213.2	247.9
107.5°	30.5	33.2	45.7	65.1	88.6	102.5	114.9	144.0	174.5	202.2	235.4
110°	37.4	38.8	49.8	67.8	88.6	101.1	112.2	139.9	167.5	193.9	224.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	42.9	42.9	54.0	70.6	88.6	101.1	110.8	135.7	162.0	185.5	214.6
115°	49.8	49.8	58.2	73.4	90.0	101.1	110.8	134.3	157.9	178.6	206.3
117.5°	55.4	55.4	63.7	76.2	92.8	102.5	110.8	131.5	153.7	173.1	198.0
120°	60.9	60.9	66.5	78.9	94.2	103.8	110.8	130.2	149.5	168.9	191.1
122.5°	66.5	66.5	70.6	83.1	95.5	103.8	110.8	128.8	146.8	163.4	184.2
125°	72.0	72.0	74.8	85.8	98.3	105.2	112.2	128.8	145.4	159.2	180.0
127.5°	77.5	76.2	80.3	90.0	99.7	106.6	113.5	128.8	142.6	156.5	174.5
130°	81.7	80.3	85.8	92.8	102.5	108.0	113.5	127.4	141.2	153.7	168.9
132.5°	87.2	84.5	91.4	94.2	105.2	110.8	114.9	127.4	139.9	150.9	166.2
135°	91.4	88.6	95.5	98.3	106.6	112.2	116.3	127.4	138.5	149.5	162.0
137.5°	94.2	92.8	99.7	102.5	108.0	113.5	117.7	127.4	137.1	146.8	159.2
140°	95.5	94.2	99.7	105.2	108.0	113.5	116.3	126.0	135.7	144.0	155.1
142.5°	96.9	96.9	101.1	106.6	108.0	112.2	116.3	124.6	132.9	139.9	152.3
145°	96.9	96.9	101.1	108.0	109.4	110.8	113.5	121.9	128.8	135.7	146.8
147.5°	96.9	96.9	102.5	108.0	110.8	112.2	110.8	119.1	126.0	131.5	141.2
150°	96.9	96.9	102.5	108.0	112.2	113.5	112.2	116.3	121.9	127.4	135.7
152.5°	98.3	98.3	102.5	108.0	112.2	113.5	113.5	113.5	117.7	123.2	131.5
155°	98.3	99.7	102.5	110.8	113.5	114.9	114.9	114.9	113.5	119.1	126.0
157.5°	102.5	103.8	105.2	112.2	114.9	116.3	116.3	116.3	114.9	113.5	120.5
160°	106.6	108.0	109.4	114.9	117.7	119.1	119.1	119.1	116.3	114.9	114.9
162.5°	110.8	113.5	113.5	116.3	119.1	120.5	120.5	121.9	119.1	117.7	116.3
165°	116.3	117.7	117.7	119.1	121.9	123.2	121.9	123.2	121.9	120.5	119.1
167.5°	120.5	121.9	121.9	123.2	123.2	124.6	124.6	124.6	123.2	121.9	121.9
170°	124.6	126.0	126.0	126.0	126.0	126.0	126.0	126.0	124.6	121.9	121.9
172.5°	127.4	128.8	128.8	127.4	127.4	127.4	127.4	126.0	123.2	121.9	121.9
175°	128.8	130.2	130.2	128.8	127.4	127.4	127.4	126.0	123.2	121.9	121.9
177.5°	130.2	131.5	130.2	130.2	127.4	127.4	127.4	127.4	124.6	123.2	121.9
180°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3	1455.3
2.5°	1453.9	1437.3	1448.4	1449.7	1455.3	1449.7	1453.9	1449.7	1460.8	1456.7
5°	1448.4	1433.1	1442.8	1444.2	1451.1	1444.2	1451.1	1448.4	1462.2	1458.0
7.5°	1438.7	1426.2	1434.5	1435.9	1444.2	1437.3	1444.2	1441.4	1458.0	1452.5
10°	1424.8	1415.1	1423.4	1424.8	1433.1	1426.2	1431.7	1429.0	1447.0	1438.7
12.5°	1409.6	1401.3	1408.2	1409.6	1419.3	1412.4	1419.3	1416.5	1434.5	1426.2
15°	1387.4	1383.3	1390.2	1393.0	1402.7	1397.1	1404.0	1401.3	1420.7	1409.6
17.5°	1365.3	1362.5	1369.4	1372.2	1383.3	1376.4	1383.3	1380.5	1399.9	1388.8
20°	1337.6	1336.2	1343.1	1347.3	1357.0	1350.0	1358.4	1355.6	1376.4	1365.3
22.5°	1308.5	1308.5	1314.0	1318.2	1327.9	1322.4	1330.7	1329.3	1350.0	1339.0
25°	1276.7	1278.0	1283.6	1289.1	1300.2	1296.0	1303.0	1303.0	1322.4	1308.5
27.5°	1240.7	1247.6	1251.7	1258.7	1268.3	1264.2	1271.1	1272.5	1291.9	1278.0
30°	1203.3	1213.0	1217.1	1225.4	1233.7	1233.7	1240.7	1243.4	1262.8	1249.0
32.5°	1164.5	1175.6	1181.1	1192.2	1203.3	1203.3	1213.0	1217.1	1236.5	1224.0
35°	1125.7	1141.0	1147.9	1161.7	1172.8	1174.2	1183.9	1189.4	1208.8	1196.3
37.5°	1088.3	1107.7	1114.7	1131.3	1141.0	1143.7	1154.8	1161.7	1179.7	1168.7
40°	1049.6	1073.1	1081.4	1099.4	1107.7	1113.3	1124.3	1132.7	1149.3	1139.6
42.5°	1012.2	1038.5	1046.8	1066.2	1075.9	1081.4	1092.5	1103.6	1120.2	1110.5
45°	974.8	1003.9	1013.6	1034.3	1042.6	1051.0	1063.4	1073.1	1088.3	1080.0
47.5°	938.8	969.3	979.0	1001.1	1010.8	1020.5	1031.6	1045.4	1059.3	1051.0
50°	901.4	933.3	945.7	969.3	977.6	988.6	1002.5	1015.0	1028.8	1021.9
52.5°	865.4	898.6	911.1	936.0	945.7	956.8	970.6	984.5	997.0	991.4
55°	826.6	862.6	876.5	902.8	912.5	923.6	938.8	954.0	965.1	961.0
57.5°	790.6	828.0	841.9	871.0	879.3	893.1	908.3	925.0	934.6	930.5
60°	754.6	792.0	808.6	837.7	847.4	861.3	876.5	894.5	902.8	900.0
62.5°	718.6	757.4	775.4	805.9	814.2	829.4	847.4	862.6	871.0	869.6
65°	685.4	722.8	743.6	774.0	782.3	798.9	815.6	832.2	840.5	840.5
67.5°	650.8	690.9	711.7	743.6	750.5	768.5	786.5	803.1	810.0	810.0
70°	618.9	657.7	681.3	713.1	720.0	736.6	756.0	774.0	779.6	780.9
72.5°	587.1	625.9	650.8	684.0	690.9	707.6	725.6	744.9	749.1	750.5
75°	556.6	595.4	620.3	653.6	660.5	677.1	696.5	714.5	720.0	721.4
77.5°	526.2	564.9	592.6	624.5	631.4	648.0	667.4	685.4	689.6	692.3
80°	498.5	535.9	562.2	596.8	603.7	620.3	638.3	656.3	659.1	663.3
82.5°	470.8	508.2	535.9	569.1	576.0	592.6	610.6	628.6	631.4	636.9
85°	444.5	481.9	509.6	541.4	549.7	564.9	584.3	600.9	603.7	607.9
87.5°	420.9	455.6	484.6	515.1	523.4	538.6	558.0	574.6	576.0	581.6
90°	396.0	430.6	459.7	490.2	498.5	512.3	531.7	548.3	551.1	555.2
92.5°	375.2	407.1	437.6	466.6	473.6	488.8	506.8	523.4	526.2	530.3
95°	353.1	384.9	415.4	443.1	450.0	465.2	481.9	498.5	501.2	505.4
97.5°	333.7	364.2	393.2	420.9	427.9	441.7	459.7	474.9	477.7	483.2
100°	315.7	344.8	375.2	400.2	407.1	420.9	437.6	452.8	455.6	461.1
102.5°	299.1	326.8	355.9	379.4	387.7	400.2	416.8	430.6	433.4	437.6
105°	283.9	310.2	337.9	360.0	368.3	380.8	396.0	409.9	412.6	416.8
107.5°	268.6	293.5	319.9	342.0	348.9	360.0	375.2	389.1	391.9	397.4
110°	254.8	279.7	304.6	325.4	333.7	342.0	357.2	369.7	372.5	376.6





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	242.3	264.5	289.4	308.8	315.7	325.4	337.9	350.3	353.1	358.6
115°	231.2	252.0	276.9	294.9	300.5	308.8	322.6	333.7	336.5	340.6
117.5°	221.5	239.5	261.7	279.7	286.6	293.5	306.0	315.7	319.9	322.6
120°	213.2	229.9	249.2	265.9	274.2	279.7	290.8	300.5	304.6	307.4
122.5°	204.9	220.2	238.2	253.4	260.3	264.5	276.9	285.2	289.4	293.5
125°	198.0	211.9	228.5	240.9	247.9	252.0	263.1	271.4	275.5	278.3
127.5°	191.1	203.5	220.2	229.9	236.8	239.5	249.2	257.5	261.7	263.1
130°	184.2	196.6	210.5	220.2	225.7	229.9	238.2	243.7	247.9	249.2
132.5°	178.6	189.7	202.2	211.9	217.4	218.8	227.1	232.6	236.8	238.2
135°	174.5	182.8	195.2	203.5	207.7	210.5	217.4	221.5	225.7	227.1
137.5°	168.9	177.2	188.3	193.9	199.4	200.8	207.7	211.9	216.0	217.4
140°	164.8	171.7	181.4	186.9	192.5	192.5	198.0	202.2	206.3	206.3
142.5°	160.6	167.5	175.9	181.4	185.5	185.5	191.1	193.9	198.0	198.0
145°	155.1	162.0	170.3	174.5	178.6	178.6	182.8	185.5	189.7	189.7
147.5°	149.5	156.5	164.8	167.5	171.7	171.7	175.9	178.6	181.4	181.4
150°	142.6	148.2	157.9	162.0	166.2	166.2	168.9	171.7	174.5	174.5
152.5°	137.1	141.2	149.5	155.1	159.2	159.2	162.0	164.8	167.5	167.5
155°	130.2	134.3	141.2	148.2	152.3	153.7	156.5	157.9	160.6	160.6
157.5°	124.6	128.8	134.3	139.9	144.0	146.8	150.9	152.3	153.7	153.7
160°	117.7	120.5	126.0	131.5	135.7	138.5	145.4	146.8	148.2	148.2
162.5°	114.9	114.9	117.7	121.9	126.0	127.4	134.3	139.9	142.6	141.2
165°	116.3	114.9	114.9	116.3	119.1	120.5	124.6	132.9	135.7	134.3
167.5°	119.1	116.3	114.9	114.9	117.7	117.7	121.9	128.8	137.1	134.3
170°	119.1	114.9	112.2	112.2	113.5	113.5	116.3	120.5	128.8	130.2
172.5°	117.7	114.9	110.8	105.2	106.6	105.2	103.8	106.6	108.0	121.9
175°	119.1	114.9	110.8	103.8	101.1	96.9	90.0	84.5	83.1	67.8
177.5°	117.7	113.5	108.0	102.5	99.7	94.2	85.8	76.2	70.6	62.3
180°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2



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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	15.05	16.36	15.69	17.03	17.80	18.60	19.91	19.24	20.57	21.34
	3H	16.40	17.60	17.06	18.27	19.08	21.51	22.71	22.17	23.39	24.19
	4H	16.80	17.94	17.48	18.63	19.44	22.99	24.13	23.66	24.82	25.63
	6H	17.02	18.08	17.71	18.78	19.61	24.55	25.61	25.23	26.31	27.14
	8H	17.05	18.07	17.75	18.79	19.62	25.36	26.38	26.05	27.09	27.93
	12H	17.06	18.03	17.76	18.75	19.61	26.24	27.21	26.94	27.92	28.79
4H	2H	16.19	17.33	16.87	18.02	18.83	18.92	20.06	19.59	20.74	21.56
	3H	17.84	18.81	18.52	19.54	20.37	22.07	23.04	22.75	23.77	24.60
	4H	18.40	19.31	19.11	20.03	20.89	23.72	24.62	24.42	25.34	26.20
	6H	18.75	19.54	19.47	20.29	21.16	25.49	26.28	26.21	27.03	27.90
	8H	18.82	19.57	19.55	20.32	21.20	26.42	27.17	27.15	27.92	28.80
	12H	18.85	19.53	19.59	20.30	21.19	27.44	28.13	28.19	28.90	29.79
8H	4H	19.49	20.24	20.22	20.99	21.87	23.89	24.64	24.62	25.39	26.27
	6H	20.10	20.74	20.86	21.53	22.41	25.84	26.48	26.60	27.27	28.15
	8H	20.30	20.88	21.06	21.66	22.56	26.92	27.50	27.69	28.29	29.19
	12H	20.41	20.93	21.18	21.71	22.66	28.14	28.66	28.91	29.44	30.39
12H	4H	19.84	20.53	20.59	21.30	22.19	23.89	24.57	24.63	25.34	26.23
	6H	20.62	21.20	21.39	21.99	22.89	25.87	26.45	26.64	27.24	28.14
	8H	20.95	21.47	21.72	22.25	23.20	27.02	27.54	27.79	28.32	29.27