

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: P893667

Luminaire Tested: 4MB-5SL-RND-UNV-L840

Issue Date: 11/11/2024

**Test Information**

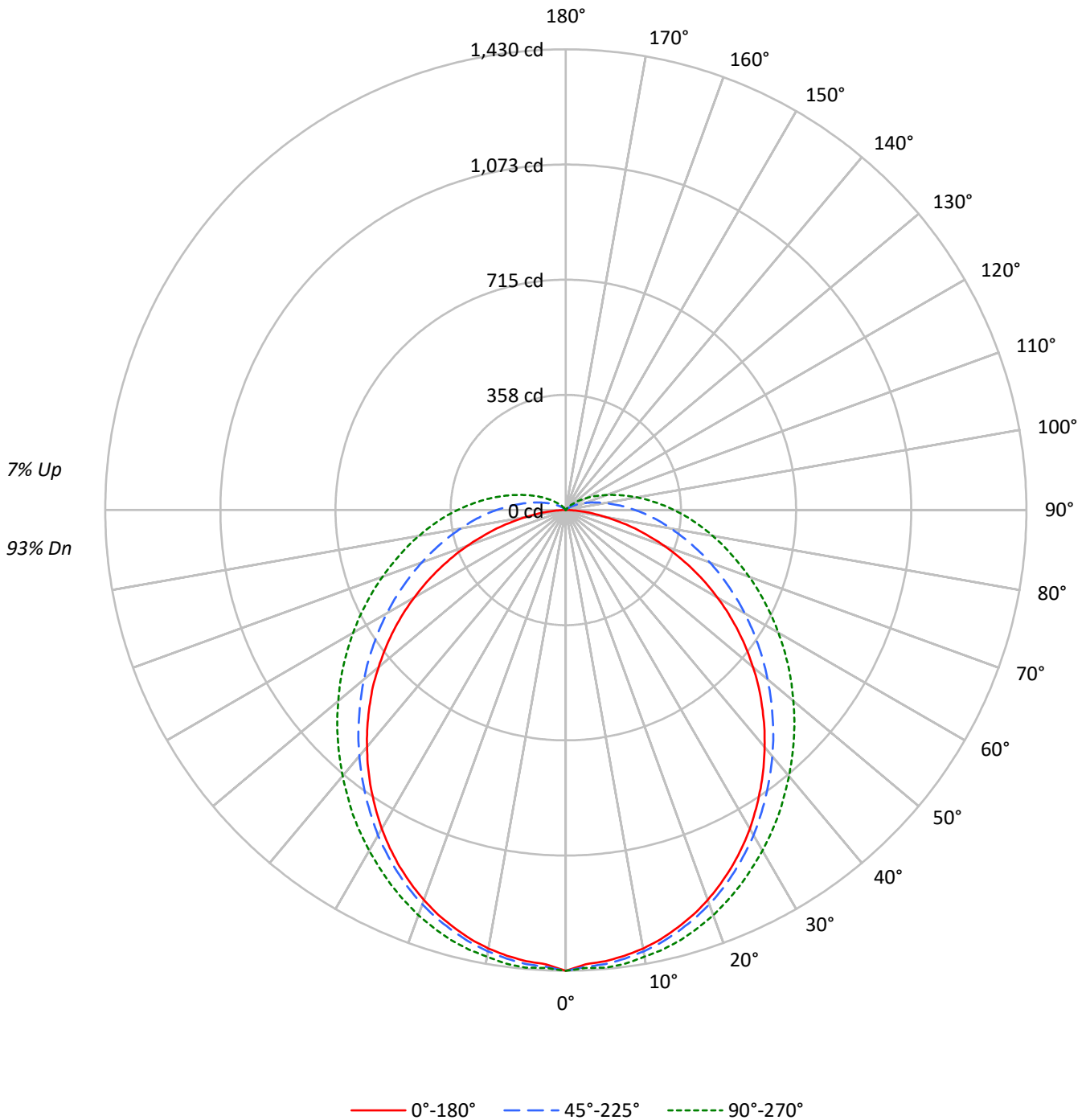
Test Method: LM-79-2019  
Report Number: P893667  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-5SL-RND-UNV-L840  
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4735.0 lumens  
Efficiency: N/A  
Efficacy: 135.3 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<sub>in</sub>): 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-RND-UNV-L840

### 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°	10177	10177	10177
5°	10040	10104	10183
10°	9986	10050	10172
15°	9884	9967	10173
20°	9754	9864	10135
25°	9585	9726	10078
30°	9388	9581	10031
35°	9157	9410	10013
40°	8919	9262	10011
45°	8672	9133	10079
50°	8399	9056	10208
55°	8094	9038	10453
60°	7740	9126	10846
65°	7310	9364	11494
70°	6775	9896	12596
75°	6122	11015	14614
80°	5183	13575	18983
85°	4204	22107	32524

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 59880 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.3	2.9
10°-20°	385.4	8.1
20°-30°	577.1	12.2
30°-40°	688.1	14.5
40°-50°	713.6	15.1
50°-60°	662.1	14.0
60°-70°	552.3	11.7
70°-80°	411.8	8.7
80°-90°	274.2	5.8
90°-100°	166.9	3.5
100°-110°	93.2	2.0
110°-120°	46.6	1.0
120°-130°	19.5	0.4
130°-140°	6.1	0.1
140°-150°	1.5	0.0
150°-160°	0.7	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1097.8	23.2
0°-40°	1785.9	37.7
0°-60°	3161.6	66.8
0°-90°	4399.9	92.9
90°-120°	306.7	6.5
90°-150°	333.8	7.0
90°-180°	335.0	7.1
0°-180°	4735.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1406	1438	1415	1422	1426	133
15°	1342	1377	1353	1378	1381	378
25°	1221	1254	1239	1274	1284	562
35°	1054	1082	1083	1137	1153	659
45°	862	884	908	979	1002	665
55°	652	675	729	814	843	583
65°	434	469	556	650	683	430
75°	223	284	401	498	532	235
85°	52	141	271	364	398	58
90°	2	93	215	303	336	4
95°	0	57	166	248	278	0
105°	0	18	91	153	177	0
115°	1	4	42	86	103	1
125°	1	1	17	41	52	1
135°	1	1	4	14	19	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: P893667  
 CATALOG NUMBER: 4MB-5SL-RND-UNV-L840

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3
2.5°	1411.3	1413.5	1433.7	1432.6	1429.2	1442.6	1446.0	1434.8	1416.9	1434.8	1419.1
5°	1405.7	1407.9	1428.1	1427.0	1423.6	1438.2	1439.3	1429.2	1411.3	1429.2	1414.7
7.5°	1395.6	1397.9	1418.0	1416.9	1414.7	1429.2	1428.1	1420.2	1401.2	1420.2	1404.6
10°	1382.2	1383.3	1404.6	1402.3	1401.2	1415.8	1412.4	1405.7	1386.7	1405.7	1391.1
12.5°	1364.3	1365.4	1386.7	1384.4	1384.4	1397.9	1393.4	1387.8	1368.8	1386.7	1374.4
15°	1341.9	1343.0	1363.2	1362.0	1362.0	1376.6	1369.9	1365.4	1347.5	1366.5	1353.1
17.5°	1317.3	1316.2	1337.4	1335.2	1337.4	1350.9	1341.9	1339.7	1322.9	1340.8	1329.6
20°	1288.2	1288.2	1307.2	1306.1	1309.4	1321.8	1310.6	1311.7	1294.9	1313.9	1302.7
22.5°	1255.7	1254.6	1273.6	1273.6	1277.0	1289.3	1277.0	1280.3	1263.6	1281.5	1272.5
25°	1221.0	1218.8	1237.8	1237.8	1243.4	1253.5	1240.1	1244.5	1228.9	1246.8	1238.9
27.5°	1183.0	1179.6	1198.6	1199.8	1204.2	1214.3	1199.8	1206.5	1191.9	1208.7	1203.1
30°	1142.7	1139.3	1158.4	1159.5	1165.1	1172.9	1158.4	1167.3	1153.9	1170.7	1166.2
32.5°	1099.0	1096.8	1114.7	1116.9	1122.5	1128.1	1114.7	1123.7	1112.5	1129.3	1124.8
35°	1054.3	1052.0	1068.8	1072.2	1077.8	1082.3	1067.7	1080.0	1069.9	1085.6	1083.4
37.5°	1008.4	1005.0	1022.9	1025.2	1031.9	1034.1	1020.7	1035.2	1026.3	1042.0	1040.8
40°	960.3	956.9	974.8	977.0	983.8	983.8	972.6	988.2	981.5	996.1	997.2
42.5°	912.1	908.8	924.4	928.9	934.5	934.5	923.3	940.1	935.6	950.2	953.5
45°	861.8	858.4	873.0	877.4	884.2	884.2	873.0	892.0	888.6	903.2	907.7
47.5°	812.5	808.1	821.5	826.0	832.7	831.6	822.6	841.6	840.5	855.1	862.9
50°	758.8	755.5	768.9	773.4	781.2	779.0	772.2	792.4	792.4	806.9	818.1
52.5°	706.2	702.8	716.3	720.8	727.5	727.5	720.8	742.0	745.4	759.9	773.4
55°	652.5	648.0	661.4	665.9	673.7	674.9	669.3	690.5	697.3	714.0	728.6
57.5°	598.8	596.5	607.7	612.2	622.3	622.3	618.9	641.3	650.2	668.2	684.9
60°	543.9	541.7	551.8	557.4	568.5	570.8	568.5	592.0	604.4	622.3	641.3
62.5°	489.1	486.8	496.9	504.8	517.1	519.3	520.4	545.0	558.5	577.5	598.8
65°	434.2	432.0	442.1	451.0	465.6	468.9	472.3	498.0	513.7	533.9	556.2
67.5°	379.4	378.3	388.4	399.5	415.2	419.7	425.3	452.2	470.1	491.3	515.9
70°	325.7	324.6	334.6	348.1	367.1	372.7	379.4	406.3	428.6	451.0	475.7
72.5°	272.0	273.1	284.3	299.9	321.2	326.8	335.8	363.7	388.4	411.9	437.6
75°	222.7	222.7	235.0	252.9	276.4	284.3	294.3	323.4	349.2	373.8	400.7
77.5°	172.4	172.4	186.9	209.3	235.0	242.9	255.2	285.4	313.4	338.0	364.9
80°	126.5	128.7	145.5	167.9	194.7	204.8	219.4	249.6	279.8	304.4	331.3
82.5°	86.2	89.5	107.4	133.2	160.0	170.1	184.7	217.1	247.3	273.1	301.1
85°	51.5	57.1	76.1	101.8	129.8	141.0	156.7	186.9	217.1	242.9	270.8
87.5°	23.5	31.3	51.5	77.2	104.1	116.4	129.8	158.9	189.1	214.9	244.0
90°	2.2	13.4	33.6	56.0	81.7	92.9	106.3	134.3	163.4	186.9	214.9
92.5°	0.0	5.6	20.1	40.3	62.7	73.9	86.2	113.0	138.8	162.3	189.1
95°	0.0	2.2	11.2	28.0	47.0	57.1	68.3	92.9	118.6	141.0	165.6
97.5°	0.0	1.1	6.7	19.0	34.7	43.6	53.7	76.1	99.6	120.9	143.3
100°	0.0	1.1	3.4	12.3	25.7	32.5	42.5	61.6	82.8	101.8	124.2
102.5°	0.0	0.0	2.2	7.8	19.0	24.6	32.5	49.2	68.3	86.2	106.3
105°	0.0	0.0	1.1	5.6	13.4	17.9	24.6	39.2	56.0	71.6	90.7
107.5°	0.0	0.0	1.1	3.4	9.0	13.4	19.0	30.2	44.8	59.3	76.1
110°	1.1	1.1	1.1	2.2	6.7	10.1	13.4	23.5	36.9	49.2	63.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.1	1.1	1.1	1.1	4.5	6.7	10.1	17.9	29.1	39.2	52.6
115°	1.1	1.1	1.1	1.1	3.4	4.5	6.7	13.4	22.4	31.3	42.5
117.5°	1.1	1.1	1.1	1.1	2.2	3.4	4.5	10.1	16.8	24.6	34.7
120°	1.1	1.1	1.1	1.1	1.1	2.2	3.4	6.7	13.4	19.0	28.0
122.5°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	5.6	10.1	14.5	21.3
125°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	6.7	11.2	16.8
127.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	4.5	7.8	12.3
130°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	5.6	9.0
132.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	4.5	6.7
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.4	4.5
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.4
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
145°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
155°	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1
167.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1
170°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
172.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1
175°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
177.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3	1430.3
2.5°	1423.6	1427.0	1430.3	1421.4	1427.0	1437.0	1440.4	1427.0	1431.4	1422.5
5°	1419.1	1421.4	1425.8	1414.7	1422.5	1431.4	1437.0	1425.8	1432.6	1425.8
7.5°	1410.2	1412.4	1418.0	1406.8	1416.9	1424.7	1431.4	1420.2	1427.0	1420.2
10°	1396.7	1400.1	1407.9	1394.5	1406.8	1413.5	1420.2	1407.9	1414.7	1407.9
12.5°	1380.0	1385.6	1392.3	1380.0	1392.3	1397.9	1406.8	1394.5	1402.3	1396.7
15°	1359.8	1365.4	1374.4	1362.0	1377.7	1382.2	1391.1	1378.8	1386.7	1381.1
17.5°	1336.3	1343.0	1354.2	1339.7	1357.6	1360.9	1369.9	1358.7	1366.5	1360.9
20°	1309.4	1316.2	1327.4	1313.9	1331.8	1334.1	1344.1	1334.1	1341.9	1338.5
22.5°	1278.1	1285.9	1297.1	1284.8	1303.9	1303.9	1316.2	1306.1	1315.0	1311.7
25°	1245.7	1254.6	1266.9	1253.5	1273.6	1273.6	1287.1	1277.0	1285.9	1283.7
27.5°	1211.0	1221.0	1235.6	1222.2	1242.3	1241.2	1254.6	1245.7	1255.7	1252.4
30°	1174.0	1185.2	1199.8	1188.6	1209.8	1207.6	1221.0	1213.2	1222.2	1221.0
32.5°	1133.7	1146.0	1164.0	1151.6	1172.9	1170.7	1187.5	1178.5	1189.7	1187.5
35°	1093.4	1106.9	1124.8	1113.6	1137.1	1133.7	1150.5	1142.7	1153.9	1152.8
37.5°	1052.0	1066.6	1084.5	1075.5	1097.9	1094.6	1112.5	1105.8	1118.1	1114.7
40°	1009.5	1024.1	1043.1	1035.2	1058.7	1054.3	1073.3	1067.7	1080.0	1077.8
42.5°	967.0	982.6	1001.7	997.2	1019.6	1015.1	1034.1	1029.7	1042.0	1039.7
45°	923.3	940.1	960.3	955.8	979.3	974.8	993.8	990.5	1002.8	1001.7
47.5°	879.7	897.6	917.7	915.5	937.9	933.4	953.5	950.2	962.5	962.5
50°	834.9	855.1	875.2	874.1	896.5	892.0	909.9	909.9	923.3	922.2
52.5°	790.1	811.4	832.7	832.7	855.1	850.6	870.7	869.6	883.0	883.0
55°	747.6	766.6	787.9	792.4	813.6	806.9	828.2	830.4	841.6	842.7
57.5°	705.1	725.2	746.5	752.1	772.2	767.8	787.9	790.1	801.3	802.5
60°	662.6	681.6	702.8	710.7	730.8	726.4	746.5	748.7	761.0	762.2
62.5°	620.0	639.1	662.6	670.4	689.4	686.1	707.3	709.6	720.8	723.0
65°	578.6	598.8	621.1	632.3	650.2	645.8	667.0	669.3	681.6	682.7
67.5°	538.3	558.5	580.9	593.2	610.0	607.7	627.9	632.3	642.4	644.7
70°	499.2	519.3	542.8	555.1	571.9	570.8	589.8	593.2	604.4	605.5
72.5°	461.1	481.2	504.8	519.3	533.9	532.7	551.8	556.2	567.4	568.5
75°	424.2	445.4	467.8	483.5	498.0	496.9	515.9	520.4	530.5	531.6
77.5°	389.5	410.7	434.2	449.9	462.2	463.3	480.1	484.6	494.7	498.0
80°	357.0	377.2	399.5	416.3	427.5	429.8	445.4	451.0	458.9	463.3
82.5°	325.7	345.8	368.2	383.9	395.1	397.3	411.9	418.6	426.4	429.8
85°	295.5	315.6	336.9	353.7	363.7	364.9	379.4	386.1	392.8	398.4
87.5°	266.4	286.5	306.7	324.6	333.5	335.8	349.2	355.9	361.5	367.1
90°	237.3	257.4	277.6	294.3	303.3	304.4	319.0	325.7	331.3	335.8
92.5°	210.4	230.6	250.7	267.5	275.3	277.6	289.9	297.7	302.2	306.7
95°	184.7	204.8	222.7	240.6	248.5	251.8	263.0	269.7	275.3	277.6
97.5°	162.3	180.2	197.0	214.9	221.6	225.0	236.1	244.0	248.5	250.7
100°	141.0	157.8	173.5	190.3	197.0	200.3	210.4	217.1	221.6	225.0
102.5°	122.0	137.7	152.2	167.9	174.6	176.8	185.8	192.5	197.0	200.3
105°	105.2	119.8	133.2	147.7	153.3	156.7	164.5	170.1	174.6	176.8
107.5°	89.5	104.1	115.3	128.7	134.3	136.5	144.4	151.1	154.4	155.6
110°	76.1	88.4	99.6	110.8	117.5	119.8	126.5	132.1	135.4	136.5





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	63.8	75.0	85.1	95.1	100.7	103.0	109.7	115.3	117.5	118.6
115°	52.6	63.8	71.6	81.7	86.2	88.4	94.0	99.6	100.7	103.0
117.5°	42.5	52.6	60.4	68.3	72.7	75.0	79.5	83.9	86.2	87.3
120°	34.7	42.5	49.2	57.1	60.4	62.7	67.2	71.6	72.7	73.9
122.5°	28.0	34.7	40.3	47.0	50.4	52.6	56.0	59.3	60.4	61.6
125°	21.3	28.0	32.5	38.1	41.4	42.5	45.9	49.2	50.4	51.5
127.5°	16.8	21.3	25.7	30.2	32.5	33.6	36.9	39.2	40.3	41.4
130°	12.3	15.7	19.0	23.5	25.7	26.9	29.1	31.3	32.5	32.5
132.5°	9.0	12.3	14.5	17.9	19.0	20.1	22.4	24.6	24.6	25.7
135°	5.6	7.8	10.1	12.3	14.5	14.5	16.8	17.9	19.0	19.0
137.5°	4.5	5.6	6.7	9.0	10.1	11.2	11.2	13.4	13.4	13.4
140°	3.4	4.5	4.5	5.6	6.7	7.8	7.8	9.0	9.0	9.0
142.5°	2.2	3.4	3.4	4.5	4.5	5.6	5.6	5.6	6.7	6.7
145°	2.2	2.2	2.2	3.4	3.4	3.4	3.4	4.5	4.5	4.5
147.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.4	3.4	3.4
150°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
162.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
165°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
167.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
170°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
175°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
177.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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	18.35	19.89	18.82	20.34	20.83	19.92	21.46	20.39	21.91	22.40
	3H	20.03	21.43	20.51	21.90	22.42	22.55	23.95	23.03	24.42	24.94
	4H	20.62	21.95	21.13	22.44	22.98	23.86	25.19	24.36	25.67	26.21
	6H	21.02	22.26	21.54	22.76	23.32	25.26	26.50	25.78	27.00	27.56
	8H	21.14	22.33	21.67	22.85	23.41	26.01	27.20	26.54	27.72	28.28
	12H	21.21	22.35	21.75	22.87	23.46	26.86	28.00	27.40	28.52	29.11
4H	2H	19.28	20.61	19.78	21.09	21.63	20.47	21.80	20.98	22.29	22.83
	3H	21.26	22.39	21.77	22.92	23.48	23.39	24.52	23.90	25.05	25.61
	4H	22.03	23.07	22.57	23.61	24.21	24.91	25.95	25.45	26.49	27.09
	6H	22.61	23.53	23.17	24.10	24.71	26.55	27.47	27.11	28.04	28.65
	8H	22.79	23.66	23.36	24.22	24.85	27.44	28.30	28.00	28.87	29.49
	12H	22.92	23.71	23.50	24.30	24.92	28.44	29.23	29.02	29.82	30.45
8H	4H	22.91	23.78	23.47	24.34	24.96	25.27	26.14	25.83	26.70	27.33
	6H	23.79	24.53	24.39	25.13	25.76	27.17	27.91	27.77	28.52	29.14
	8H	24.14	24.81	24.75	25.42	26.06	28.26	28.92	28.86	29.54	30.18
	12H	24.41	25.01	25.02	25.61	26.32	29.52	30.12	30.13	30.72	31.43
12H	4H	23.19	23.98	23.77	24.57	25.19	25.31	26.10	25.90	26.69	27.32
	6H	24.24	24.91	24.85	25.52	26.16	27.28	27.95	27.89	28.57	29.21
	8H	24.76	25.35	25.37	25.96	26.67	28.48	29.08	29.09	29.68	30.39