

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: P893620

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

Issue Date: 11/11/2024

**Test Information**

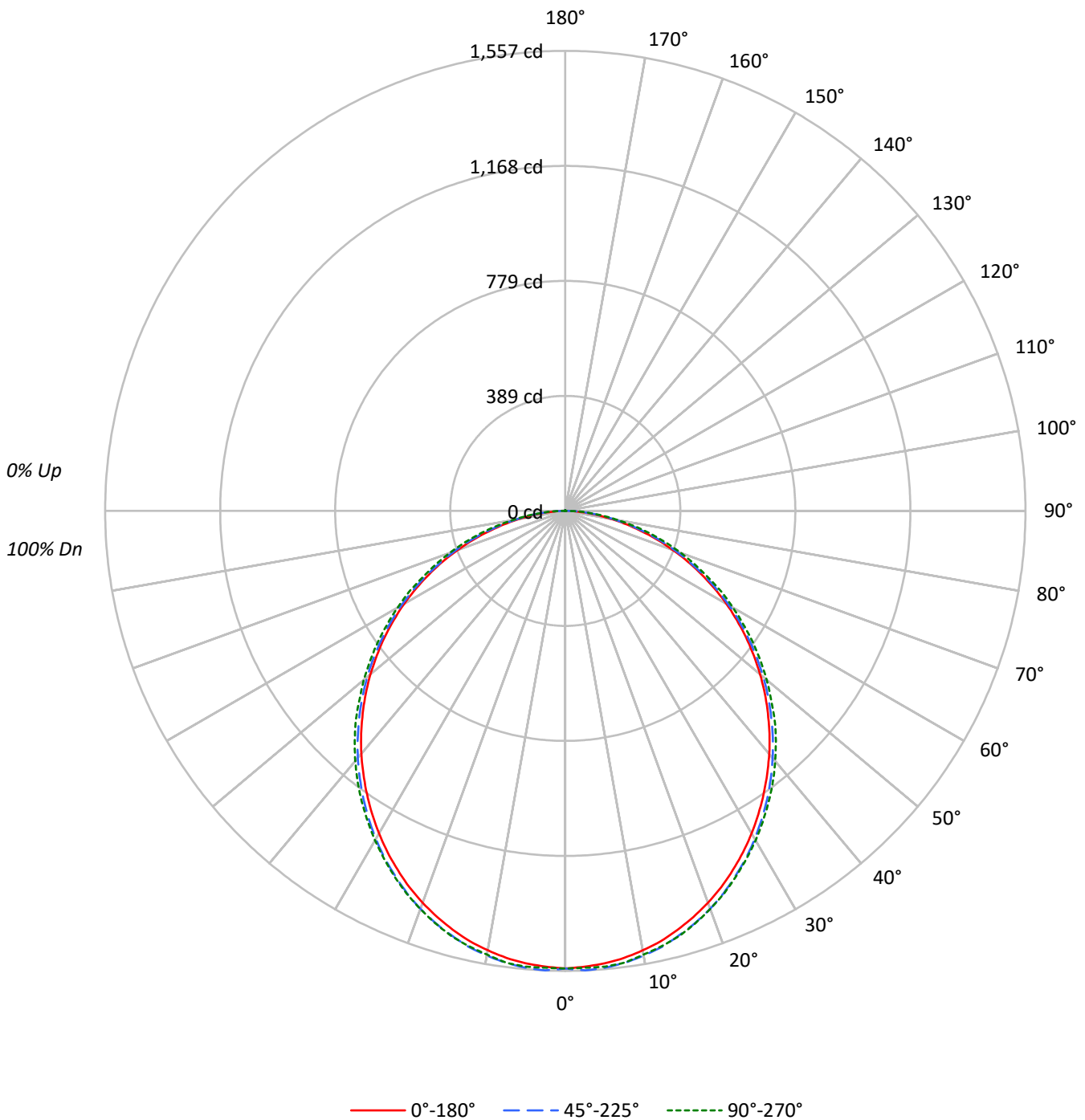
Test Method: LM-79-2019  
Report Number: P893620  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-5SL-FLT-UNV-L850  
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 5000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4298.9 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34  
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

TEST NUMBER: P893620  
CATALOG NUMBER: 4MB-5SL-FLT-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

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

	0°	45°	90°
0°	11019	11019	11019
5°	10980	11085	11061
10°	10910	11042	11017
15°	10815	10956	10973
20°	10687	10850	10859
25°	10529	10698	10725
30°	10358	10534	10581
35°	10162	10340	10428
40°	9972	10141	10267
45°	9753	9913	10084
50°	9525	9675	9851
55°	9267	9409	9605
60°	8969	9116	9325
65°	8569	8741	8970
70°	8065	8302	8679
75°	7417	7730	8228
80°	6552	7060	7433
85°	5649	6482	6939

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 10084 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.5	3.4
10°-20°	417.4	9.7
20°-30°	625.5	14.6
30°-40°	744.3	17.3
40°-50°	763.7	17.8
50°-60°	684.2	15.9
60°-70°	519.8	12.1
70°-80°	302.1	7.0
80°-90°	90.7	2.1
90°-100°	2.1	0.0
100°-110°	0.4	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.4	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1189.4	27.7
0°-40°	1933.6	45.0
0°-60°	3381.5	78.7
0°-90°	4294.1	99.9
90°-120°	2.5	0.1
90°-150°	3.8	0.1
90°-180°	5.0	0.1
0°-180°	4298.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1549	1549	1549	1549	1549	
5°	1537	1563	1552	1544	1549	146
15°	1468	1496	1487	1485	1490	414
25°	1341	1372	1363	1360	1366	618
35°	1170	1198	1190	1194	1201	732
45°	969	993	985	993	1002	748
55°	747	765	758	768	774	667
65°	509	522	519	528	533	504
75°	270	280	281	291	299	286
85°	69	75	79	85	85	76
90°	1	4	4	8	7	5
95°	0	1	1	2	3	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	1	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	0
175°	2	2	2	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7
2.5°	1544.1	1541.9	1544.1	1543.0	1554.3	1567.9	1565.7	1555.5	1544.1	1547.5	1556.6
5°	1537.3	1536.2	1539.6	1537.3	1548.7	1563.4	1558.9	1549.8	1539.6	1543.0	1552.1
7.5°	1526.0	1526.0	1530.5	1528.3	1538.5	1553.2	1548.7	1540.7	1530.5	1533.9	1543.0
10°	1510.1	1511.3	1516.9	1513.5	1522.6	1538.5	1533.9	1526.0	1516.9	1519.2	1528.3
12.5°	1492.0	1492.0	1498.8	1495.4	1504.4	1519.2	1513.5	1507.9	1498.8	1501.0	1511.3
15°	1468.2	1469.3	1477.2	1473.8	1481.8	1496.5	1490.8	1486.3	1478.4	1479.5	1487.4
17.5°	1441.0	1444.4	1452.3	1448.9	1456.8	1471.6	1464.8	1460.2	1453.4	1454.6	1462.5
20°	1411.5	1414.9	1422.8	1420.6	1426.2	1441.0	1434.2	1431.9	1425.1	1426.2	1433.0
22.5°	1378.6	1382.0	1391.1	1388.8	1394.5	1409.2	1401.3	1400.1	1393.3	1394.5	1400.1
25°	1341.2	1345.7	1355.9	1353.7	1358.2	1371.8	1365.0	1362.7	1358.2	1358.2	1362.7
27.5°	1302.6	1307.2	1318.5	1315.1	1318.5	1333.3	1325.3	1324.2	1319.7	1319.7	1324.2
30°	1260.7	1265.2	1277.7	1274.3	1277.7	1290.2	1282.2	1283.4	1278.8	1278.8	1282.2
32.5°	1216.5	1219.9	1233.5	1231.2	1233.5	1246.0	1238.0	1239.2	1234.6	1235.8	1236.9
35°	1170.0	1173.4	1188.1	1185.9	1187.0	1198.3	1192.7	1192.7	1189.3	1188.1	1190.4
37.5°	1122.4	1125.8	1143.9	1138.3	1138.3	1149.6	1145.1	1145.1	1141.7	1140.5	1141.7
40°	1073.6	1075.9	1095.2	1089.5	1088.4	1098.6	1095.2	1095.2	1092.9	1090.6	1091.8
42.5°	1022.6	1026.0	1045.3	1040.8	1036.2	1047.6	1044.2	1045.3	1041.9	1039.6	1039.6
45°	969.3	972.7	992.0	989.7	982.9	993.1	989.7	992.0	987.5	985.2	985.2
47.5°	916.0	920.6	938.7	935.3	928.5	938.7	935.3	937.6	933.1	930.8	930.8
50°	860.5	865.0	884.3	878.6	871.8	882.0	879.8	880.9	877.5	875.2	874.1
52.5°	803.8	809.5	827.6	820.8	815.1	824.2	823.1	824.2	819.7	818.5	817.4
55°	747.1	752.8	769.8	761.9	757.3	765.3	763.0	765.3	760.7	759.6	758.5
57.5°	688.2	693.8	709.7	701.8	698.4	705.2	704.0	705.2	701.8	700.6	699.5
60°	630.3	634.9	649.6	641.7	638.3	645.1	642.8	646.2	641.7	641.7	640.6
62.5°	569.1	574.8	589.5	580.5	578.2	583.9	581.6	585.0	582.7	580.5	579.3
65°	509.0	512.4	526.0	518.1	514.7	521.5	520.4	522.6	519.2	520.4	519.2
67.5°	449.0	451.2	464.8	455.8	453.5	460.3	461.4	460.3	458.0	459.2	458.0
70°	387.7	390.0	401.3	393.4	392.3	397.9	400.2	399.1	396.8	397.9	399.1
72.5°	328.8	329.9	340.1	333.3	332.2	339.0	339.0	339.0	339.0	339.0	341.3
75°	269.8	271.0	280.0	274.4	273.2	280.0	280.0	280.0	280.0	282.3	281.2
77.5°	213.1	212.0	221.1	217.7	215.4	222.2	222.2	223.3	225.6	227.9	224.5
80°	159.9	158.7	165.5	161.0	161.0	167.8	166.7	167.8	170.1	171.2	172.3
82.5°	112.2	110.0	115.6	114.5	113.4	119.0	120.2	119.0	122.4	123.6	123.6
85°	69.2	69.2	72.6	70.3	70.3	74.8	74.8	76.0	78.2	79.4	79.4
87.5°	32.9	31.7	35.1	34.0	32.9	36.3	36.3	37.4	38.5	39.7	38.5
90°	1.1	1.1	2.3	2.3	2.3	4.5	4.5	4.5	5.7	5.7	4.5
92.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3	2.3
95°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1
132.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
135°	0.0	1.1	1.1	1.1	1.1	0.0	1.1	0.0	0.0	0.0	1.1
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	1.1	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	1.1
157.5°	1.1	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	1.1
162.5°	1.1	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	1.1
167.5°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1
170°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	1.1	1.1	1.1
175°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.1	2.3	2.3
177.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7	1548.7
2.5°	1543.0	1535.1	1531.7	1533.9	1549.8	1533.9	1550.9	1556.6	1536.2	1547.5
5°	1538.5	1530.5	1526.0	1528.3	1544.1	1529.4	1547.5	1554.3	1537.3	1548.7
7.5°	1529.4	1520.3	1518.1	1521.5	1535.1	1522.6	1540.7	1547.5	1530.5	1541.9
10°	1515.8	1507.9	1505.6	1509.0	1521.5	1509.0	1524.9	1530.5	1514.7	1524.9
12.5°	1498.8	1490.8	1488.6	1493.1	1504.4	1493.1	1509.0	1514.7	1498.8	1509.0
15°	1477.2	1469.3	1468.2	1475.0	1485.2	1475.0	1490.8	1495.4	1479.5	1489.7
17.5°	1451.2	1443.2	1444.4	1452.3	1460.2	1451.2	1465.9	1470.4	1455.7	1463.6
20°	1422.8	1413.8	1416.0	1422.8	1429.6	1420.6	1435.3	1439.8	1426.2	1434.2
22.5°	1389.9	1380.9	1383.1	1391.1	1395.6	1387.7	1401.3	1405.8	1394.5	1402.4
25°	1353.7	1345.7	1349.1	1357.1	1360.5	1353.7	1366.1	1369.5	1359.3	1366.1
27.5°	1317.4	1308.3	1312.9	1320.8	1323.1	1316.3	1328.7	1331.0	1320.8	1327.6
30°	1276.6	1267.5	1273.2	1282.2	1282.2	1277.7	1287.9	1290.2	1282.2	1287.9
32.5°	1231.2	1224.4	1231.2	1239.2	1238.0	1234.6	1244.8	1247.1	1240.3	1244.8
35°	1185.9	1180.2	1187.0	1194.9	1193.8	1190.4	1200.6	1201.7	1196.1	1200.6
37.5°	1139.4	1134.9	1141.7	1148.5	1146.2	1143.9	1153.0	1153.0	1149.6	1154.1
40°	1091.8	1087.2	1092.9	1100.8	1096.3	1096.3	1102.0	1104.2	1100.8	1105.4
42.5°	1041.9	1037.4	1044.2	1051.0	1046.4	1045.3	1052.1	1053.2	1051.0	1054.4
45°	989.7	985.2	992.0	997.7	993.1	993.1	998.8	998.8	997.7	1002.2
47.5°	936.5	933.1	938.7	944.4	939.9	943.3	943.3	943.3	945.5	944.4
50°	882.0	878.6	883.2	890.0	884.3	885.4	887.7	887.7	888.8	890.0
52.5°	825.3	820.8	825.3	833.3	825.3	828.8	829.9	831.0	834.4	832.2
55°	768.7	764.1	768.7	775.5	767.5	772.1	772.1	773.2	776.6	774.3
57.5°	709.7	705.2	712.0	716.5	708.6	713.1	713.1	715.4	717.6	714.2
60°	650.8	647.4	649.6	657.6	649.6	654.2	654.2	654.2	658.7	655.3
62.5°	590.7	588.4	590.7	597.5	589.5	594.1	592.9	594.1	598.6	597.5
65°	529.4	527.2	529.4	536.3	528.3	532.8	532.8	534.0	537.4	532.8
67.5°	469.4	466.0	469.4	475.0	468.2	471.6	471.6	471.6	477.3	475.0
70°	408.1	405.9	408.1	413.8	408.1	410.4	410.4	410.4	416.1	417.2
72.5°	348.1	348.1	350.3	354.9	350.3	354.9	351.5	349.2	357.1	358.3
75°	289.1	290.2	291.4	295.9	291.4	295.9	293.6	291.4	298.2	299.3
77.5°	234.7	234.7	235.8	239.2	235.8	239.2	236.9	236.9	241.5	240.3
80°	179.1	179.1	180.3	183.7	180.3	183.7	181.4	181.4	185.9	181.4
82.5°	130.4	130.4	130.4	133.8	131.5	133.8	132.6	130.4	136.0	131.5
85°	83.9	85.0	85.0	86.2	85.0	86.2	86.2	85.0	88.4	85.0
87.5°	43.1	43.1	43.1	44.2	43.1	43.1	44.2	43.1	45.3	44.2
90°	7.9	6.8	6.8	9.1	7.9	7.9	9.1	6.8	7.9	6.8
92.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5
95°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4
97.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
100°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
102.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
105°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1





TEST NUMBER: P893620  
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L850

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	1.1	1.1	0.0	1.1	0.0	0.0	0.0	0.0
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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	1.1
177.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P893620  
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L850

**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	19.84	21.48	20.21	21.80	22.11	19.98	21.62	20.35	21.93	22.25
	3H	21.67	23.15	22.05	23.48	23.84	21.81	23.29	22.19	23.62	23.99
	4H	22.33	23.72	22.73	24.07	24.45	22.52	23.92	22.92	24.27	24.64
	6H	22.78	24.07	23.19	24.44	24.83	23.08	24.37	23.49	24.74	25.13
	8H	22.92	24.16	23.35	24.55	24.95	23.27	24.51	23.70	24.90	25.30
	12H	23.02	24.20	23.45	24.59	25.02	23.41	24.60	23.84	24.98	25.41
4H	2H	20.48	21.87	20.88	22.22	22.60	20.59	21.98	20.99	22.33	22.71
	3H	22.52	23.69	22.93	24.09	24.49	22.65	23.82	23.06	24.22	24.63
	4H	23.31	24.37	23.74	24.79	25.23	23.50	24.56	23.93	24.97	25.41
	6H	23.89	24.82	24.34	25.26	25.72	24.19	25.12	24.65	25.56	26.02
	8H	24.08	24.95	24.54	25.39	25.86	24.44	25.30	24.90	25.75	26.22
	12H	24.22	25.00	24.70	25.48	25.95	24.63	25.41	25.11	25.89	26.36
8H	4H	23.64	24.51	24.10	24.95	25.42	23.81	24.68	24.27	25.12	25.59
	6H	24.34	25.07	24.84	25.56	26.03	24.63	25.36	25.13	25.85	26.32
	8H	24.61	25.26	25.12	25.77	26.25	24.96	25.61	25.47	26.12	26.61
	12H	24.82	25.40	25.33	25.89	26.45	25.25	25.82	25.75	26.31	26.88
12H	4H	23.68	24.47	24.17	24.94	25.42	23.84	24.62	24.32	25.10	25.57
	6H	24.41	25.07	24.92	25.57	26.06	24.69	25.34	25.20	25.85	26.34
	8H	24.74	25.32	25.25	25.81	26.37	25.08	25.66	25.59	26.15	26.71