

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: P893623

Luminaire Tested: 4MB-5SL-FLT-UNV-L940

Issue Date: 11/11/2024

**Test Information**

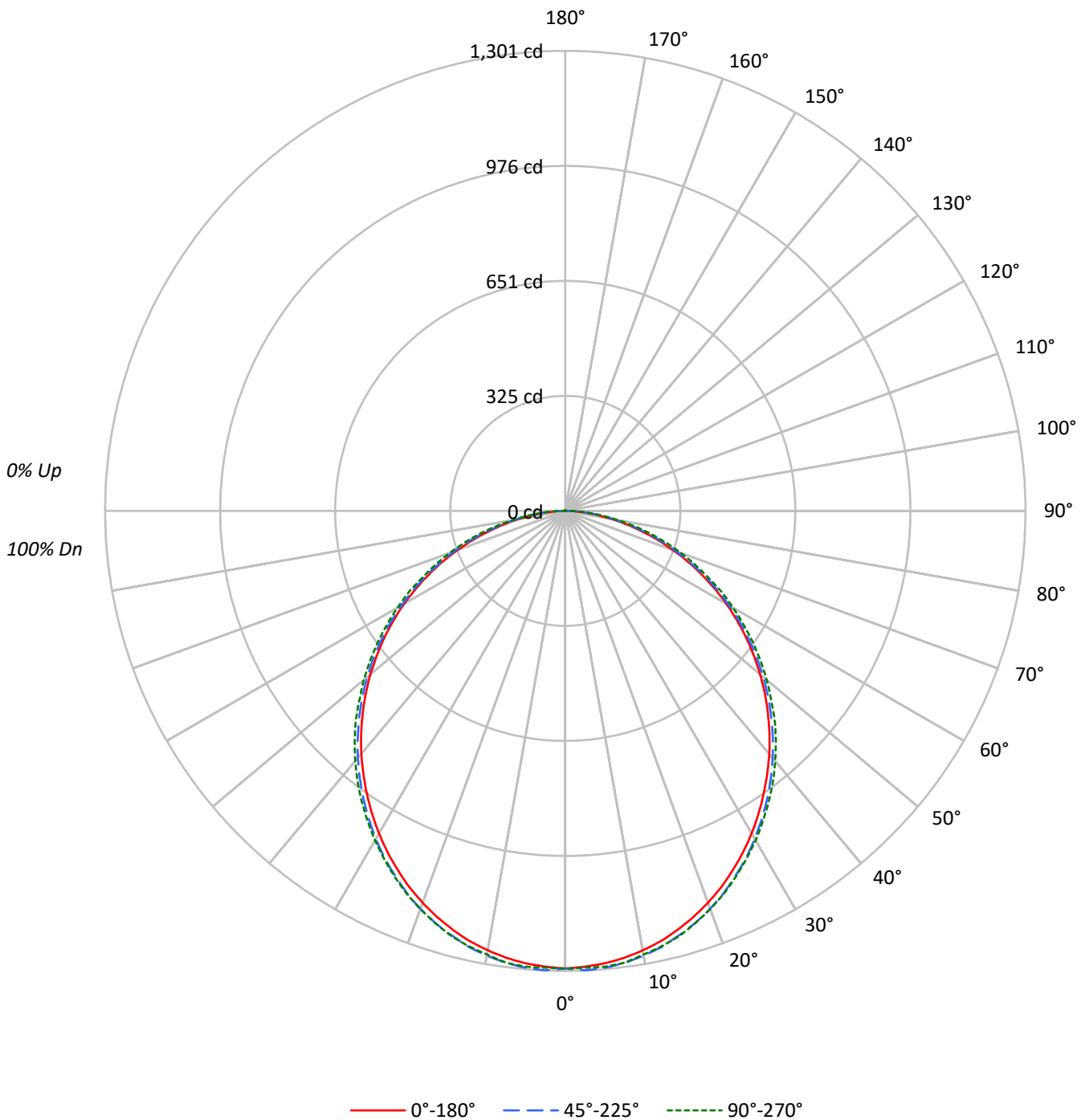
Test Method: LM-79-2019  
Report Number: P893623  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-5SL-FLT-UNV-L940  
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3591.9 lumens  
Efficiency: N/A  
Efficacy: 102.6 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

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CATALOG NUMBER: 4MB-5SL-FLT-UNV-L940

### 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	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°	9207	9207	9207
5°	9174	9262	9242
10°	9116	9225	9205
15°	9036	9154	9168
20°	8930	9066	9073
25°	8797	8939	8961
30°	8654	8802	8841
35°	8491	8639	8714
40°	8332	8472	8578
45°	8149	8283	8426
50°	7959	8084	8231
55°	7744	7861	8026
60°	7495	7616	7791
65°	7160	7305	7495
70°	6740	6936	7252
75°	6199	6457	6875
80°	5474	5900	6212
85°	4719	5412	5796

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8426 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.4	3.4
10°-20°	348.8	9.7
20°-30°	522.6	14.6
30°-40°	621.9	17.3
40°-50°	638.1	17.8
50°-60°	571.6	15.9
60°-70°	434.4	12.1
70°-80°	252.5	7.0
80°-90°	75.8	2.1
90°-100°	1.8	0.0
100°-110°	0.3	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.4	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
<b>0°-30°</b>	<b>993.8</b>	<b>27.7</b>
<b>0°-40°</b>	<b>1615.6</b>	<b>45.0</b>
<b>0°-60°</b>	<b>2825.4</b>	<b>78.7</b>
<b>0°-90°</b>	<b>3587.9</b>	<b>99.9</b>
90°-120°	2.1	0.1
90°-150°	3.1	0.1
<b>90°-180°</b>	<b>4.0</b>	<b>0.1</b>
<b>0°-180°</b>	<b>3591.9</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1284	1306	1297	1290	1294	122
15°	1227	1250	1243	1241	1245	346
25°	1121	1146	1139	1137	1142	516
35°	978	1001	995	998	1003	612
45°	810	830	823	830	837	625
55°	624	639	634	641	647	558
65°	425	436	434	441	445	421
75°	226	234	235	243	250	239
85°	58	62	66	71	71	63
90°	1	4	4	7	6	4
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	0
135°	0	0	1	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	2	2	2	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P893623  
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0
2.5°	1290.2	1288.3	1290.2	1289.2	1298.7	1310.1	1308.2	1299.7	1290.2	1293.0	1300.6
5°	1284.5	1283.6	1286.4	1284.5	1294.0	1306.3	1302.5	1294.9	1286.4	1289.2	1296.8
7.5°	1275.0	1275.0	1278.8	1276.9	1285.5	1297.8	1294.0	1287.3	1278.8	1281.7	1289.2
10°	1261.8	1262.7	1267.5	1264.6	1272.2	1285.5	1281.7	1275.0	1267.5	1269.3	1276.9
12.5°	1246.6	1246.6	1252.3	1249.5	1257.0	1269.3	1264.6	1259.9	1252.3	1254.2	1262.7
15°	1226.7	1227.7	1234.3	1231.5	1238.1	1250.4	1245.7	1241.9	1235.2	1236.2	1242.8
17.5°	1204.0	1206.8	1213.5	1210.6	1217.2	1229.6	1223.9	1220.1	1214.4	1215.4	1222.0
20°	1179.4	1182.2	1188.8	1186.9	1191.7	1204.0	1198.3	1196.4	1190.7	1191.7	1197.4
22.5°	1151.9	1154.7	1162.3	1160.4	1165.1	1177.5	1170.8	1169.9	1164.2	1165.1	1169.9
25°	1120.6	1124.4	1132.9	1131.0	1134.8	1146.2	1140.5	1138.6	1134.8	1134.8	1138.6
27.5°	1088.4	1092.2	1101.7	1098.8	1101.7	1114.0	1107.4	1106.4	1102.6	1102.6	1106.4
30°	1053.4	1057.2	1067.6	1064.7	1067.6	1078.0	1071.4	1072.3	1068.5	1068.5	1071.4
32.5°	1016.4	1019.3	1030.6	1028.7	1030.6	1041.1	1034.4	1035.4	1031.6	1032.5	1033.5
35°	977.6	980.4	992.7	990.8	991.8	1001.3	996.5	996.5	993.7	992.7	994.6
37.5°	937.8	940.6	955.8	951.1	951.1	960.5	956.7	956.7	953.9	953.0	953.9
40°	897.1	899.0	915.1	910.3	909.4	917.9	915.1	915.1	913.2	911.3	912.2
42.5°	854.4	857.3	873.4	869.6	865.8	875.3	872.4	873.4	870.5	868.7	868.7
45°	809.9	812.8	828.9	827.0	821.3	829.8	827.0	828.9	825.1	823.2	823.2
47.5°	765.4	769.2	784.3	781.5	775.8	784.3	781.5	783.4	779.6	777.7	777.7
50°	719.0	722.8	738.9	734.1	728.5	737.0	735.1	736.0	733.2	731.3	730.3
52.5°	671.6	676.4	691.5	685.8	681.1	688.7	687.7	688.7	684.9	683.9	683.0
55°	624.3	629.0	643.2	636.6	632.8	639.4	637.5	639.4	635.6	634.7	633.7
57.5°	575.0	579.7	593.0	586.4	583.5	589.2	588.3	589.2	586.4	585.4	584.5
60°	526.7	530.5	542.8	536.2	533.3	539.0	537.1	539.9	536.2	536.2	535.2
62.5°	475.5	480.3	492.6	485.0	483.1	487.8	486.0	488.8	486.9	485.0	484.1
65°	425.3	428.2	439.5	432.9	430.1	435.7	434.8	436.7	433.9	434.8	433.9
67.5°	375.1	377.0	388.4	380.8	378.9	384.6	385.5	384.6	382.7	383.6	382.7
70°	324.0	325.9	335.3	328.7	327.8	332.5	334.4	333.4	331.5	332.5	333.4
72.5°	274.7	275.7	284.2	278.5	277.6	283.2	283.2	283.2	283.2	283.2	285.1
75°	225.5	226.4	234.0	229.2	228.3	234.0	234.0	234.0	234.0	235.9	234.9
77.5°	178.1	177.1	184.7	181.9	180.0	185.7	185.7	186.6	188.5	190.4	187.6
80°	133.6	132.6	138.3	134.5	134.5	140.2	139.2	140.2	142.1	143.0	144.0
82.5°	93.8	91.9	96.6	95.7	94.7	99.5	100.4	99.5	102.3	103.3	103.3
85°	57.8	57.8	60.6	58.7	58.7	62.5	62.5	63.5	65.4	66.3	66.3
87.5°	27.5	26.5	29.4	28.4	27.5	30.3	30.3	31.3	32.2	33.2	32.2
90°	0.9	0.9	1.9	1.9	1.9	3.8	3.8	3.8	4.7	4.7	3.8
92.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9	1.9
95°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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	0.9



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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	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9
132.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
135°	0.0	0.9	0.9	0.9	0.9	0.0	0.9	0.0	0.0	0.0	0.9
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	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	0.9
157.5°	0.9	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	0.9
162.5°	0.9	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	0.9
167.5°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	1.9	1.9
177.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0	1294.0
2.5°	1289.2	1282.6	1279.8	1281.7	1294.9	1281.7	1295.9	1300.6	1283.6	1293.0
5°	1285.5	1278.8	1275.0	1276.9	1290.2	1277.9	1293.0	1298.7	1284.5	1294.0
7.5°	1277.9	1270.3	1268.4	1271.2	1282.6	1272.2	1287.3	1293.0	1278.8	1288.3
10°	1266.5	1259.9	1258.0	1260.8	1271.2	1260.8	1274.1	1278.8	1265.6	1274.1
12.5°	1252.3	1245.7	1243.8	1247.6	1257.0	1247.6	1260.8	1265.6	1252.3	1260.8
15°	1234.3	1227.7	1226.7	1232.4	1240.9	1232.4	1245.7	1249.5	1236.2	1244.7
17.5°	1212.5	1205.9	1206.8	1213.5	1220.1	1212.5	1224.8	1228.6	1216.3	1222.9
20°	1188.8	1181.3	1183.1	1188.8	1194.5	1186.9	1199.2	1203.0	1191.7	1198.3
22.5°	1161.4	1153.8	1155.7	1162.3	1166.1	1159.5	1170.8	1174.6	1165.1	1171.8
25°	1131.0	1124.4	1127.3	1133.9	1136.7	1131.0	1141.5	1144.3	1135.8	1141.5
27.5°	1100.7	1093.2	1096.9	1103.6	1105.5	1099.8	1110.2	1112.1	1103.6	1109.3
30°	1066.6	1059.1	1063.8	1071.4	1071.4	1067.6	1076.1	1078.0	1071.4	1076.1
32.5°	1028.7	1023.1	1028.7	1035.4	1034.4	1031.6	1040.1	1042.0	1036.3	1040.1
35°	990.8	986.1	991.8	998.4	997.5	994.6	1003.2	1004.1	999.4	1003.2
37.5°	952.0	948.2	953.9	959.6	957.7	955.8	963.4	963.4	960.5	964.3
40°	912.2	908.4	913.2	919.8	916.0	916.0	920.8	922.6	919.8	923.6
42.5°	870.5	866.8	872.4	878.1	874.3	873.4	879.1	880.0	878.1	881.0
45°	827.0	823.2	828.9	833.6	829.8	829.8	834.5	834.5	833.6	837.4
47.5°	782.4	779.6	784.3	789.1	785.3	788.1	788.1	788.1	790.0	789.1
50°	737.0	734.1	737.9	743.6	738.9	739.8	741.7	741.7	742.7	743.6
52.5°	689.6	685.8	689.6	696.2	689.6	692.5	693.4	694.4	697.2	695.3
55°	642.3	638.5	642.3	647.9	641.3	645.1	645.1	646.0	648.9	647.0
57.5°	593.0	589.2	594.9	598.7	592.0	595.8	595.8	597.7	599.6	596.8
60°	543.7	540.9	542.8	549.4	542.8	546.6	546.6	546.6	550.4	547.5
62.5°	493.5	491.6	493.5	499.2	492.6	496.4	495.4	496.4	500.2	499.2
65°	442.4	440.5	442.4	448.1	441.4	445.2	445.2	446.2	449.0	445.2
67.5°	392.2	389.3	392.2	396.9	391.2	394.1	394.1	394.1	398.8	396.9
70°	341.0	339.1	341.0	345.8	341.0	342.9	342.9	342.9	347.6	348.6
72.5°	290.8	290.8	292.7	296.5	292.7	296.5	293.7	291.8	298.4	299.3
75°	241.6	242.5	243.4	247.2	243.4	247.2	245.3	243.4	249.1	250.1
77.5°	196.1	196.1	197.0	199.9	197.0	199.9	198.0	198.0	201.8	200.8
80°	149.7	149.7	150.6	153.5	150.6	153.5	151.6	151.6	155.4	151.6
82.5°	108.9	108.9	108.9	111.8	109.9	111.8	110.8	108.9	113.7	109.9
85°	70.1	71.0	71.0	72.0	71.0	72.0	72.0	71.0	73.9	71.0
87.5°	36.0	36.0	36.0	36.9	36.0	36.0	36.9	36.0	37.9	36.9
90°	6.6	5.7	5.7	7.6	6.6	6.6	7.6	5.7	6.6	5.7
92.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.8	3.8
95°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.8
97.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9
100°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
102.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
105°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9
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	0.9	0.0	0.0	0.0	0.9





TEST NUMBER: P893623  
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L940

**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	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.9	0.9	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°	0.9	0.9	0.9	0.9	0.0	0.9	0.0	0.0	0.0	0.0
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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	0.9
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P893623  
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L940

**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	19.22	20.86	19.59	21.17	21.49	19.36	20.99	19.72	21.31	21.63
	3H	21.04	22.52	21.42	22.85	23.22	21.19	22.67	21.57	23.00	23.36
	4H	21.70	23.10	22.10	23.45	23.83	21.90	23.29	22.30	23.64	24.02
	6H	22.16	23.45	22.57	23.82	24.21	22.45	23.75	22.87	24.11	24.51
	8H	22.30	23.53	22.72	23.92	24.32	22.65	23.88	23.07	24.28	24.68
	12H	22.39	23.58	22.82	23.96	24.39	22.79	23.98	23.22	24.36	24.79
4H	2H	19.85	21.25	20.25	21.60	21.98	19.96	21.36	20.36	21.71	22.09
	3H	21.89	23.07	22.31	23.47	23.87	22.03	23.20	22.44	23.60	24.00
	4H	22.69	23.75	23.12	24.16	24.60	22.87	23.93	23.31	24.35	24.79
	6H	23.26	24.19	23.72	24.63	25.09	23.57	24.49	24.02	24.94	25.39
	8H	23.45	24.32	23.91	24.77	25.23	23.81	24.68	24.27	25.12	25.59
	12H	23.60	24.38	24.08	24.86	25.33	24.00	24.79	24.49	25.26	25.74
8H	4H	23.02	23.89	23.48	24.33	24.80	23.18	24.05	23.64	24.50	24.96
	6H	23.72	24.44	24.21	24.93	25.41	24.01	24.73	24.50	25.22	25.70
	8H	23.98	24.63	24.49	25.14	25.63	24.34	24.99	24.85	25.50	25.99
	12H	24.20	24.77	24.71	25.27	25.83	24.62	25.20	25.13	25.69	26.25
12H	4H	23.06	23.84	23.54	24.32	24.79	23.21	24.00	23.70	24.47	24.95
	6H	23.79	24.44	24.30	24.95	25.44	24.06	24.72	24.57	25.22	25.71
	8H	24.12	24.69	24.62	25.18	25.75	24.46	25.03	24.97	25.53	26.09