

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: P893511

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

Issue Date: 11/11/2024

**Test Information**

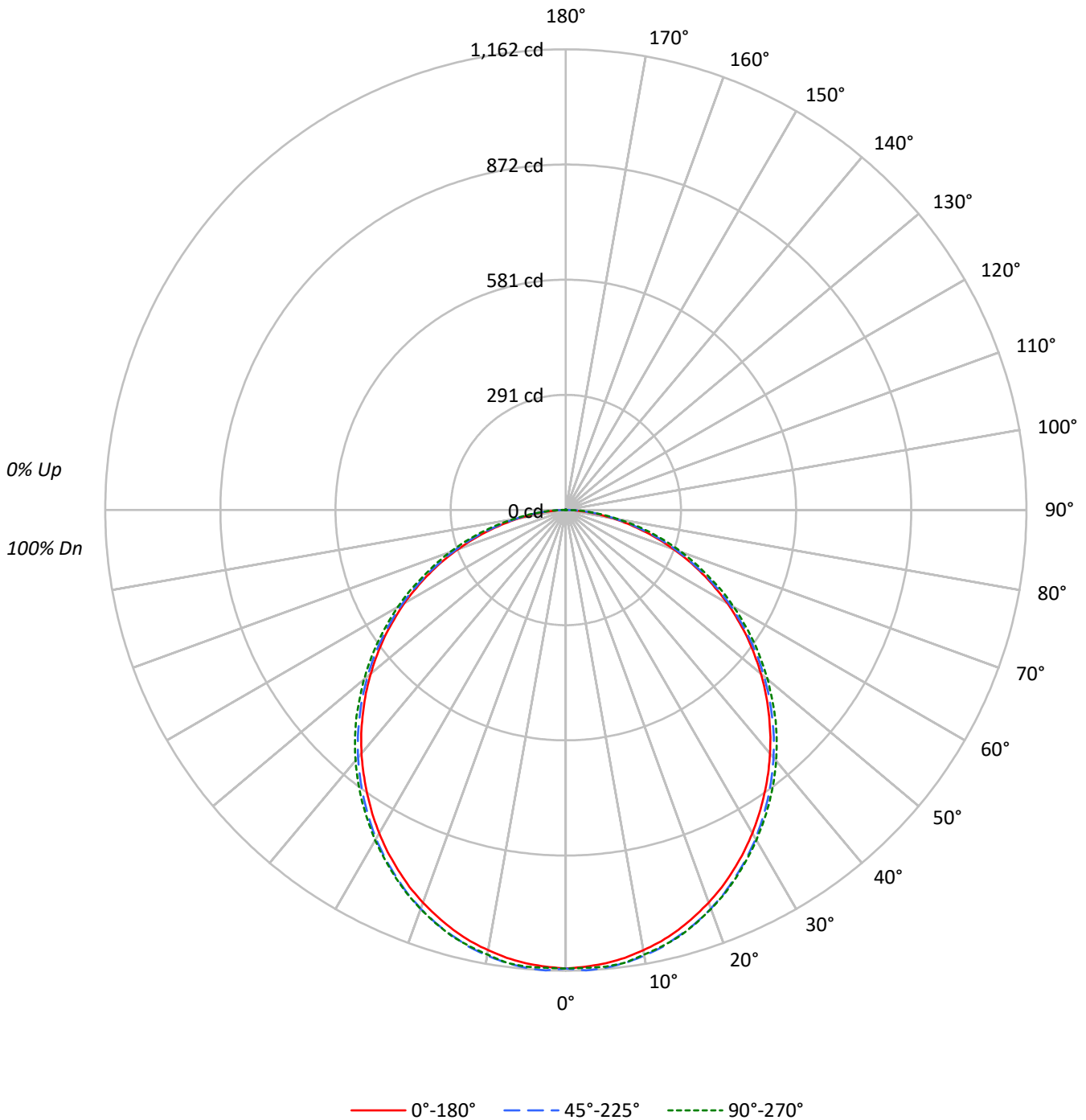
Test Method: LM-79-2019  
Report Number: P893511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-4SL-FLT-UNV-L940  
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3209.9 lumens  
Efficiency: N/A  
Efficacy: 107.7 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): 29.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.5  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-4SL-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°	8228	8228	8228
5°	8199	8277	8259
10°	8147	8244	8226
15°	8075	8181	8193
20°	7980	8102	8108
25°	7862	7988	8008
30°	7733	7866	7901
35°	7588	7721	7787
40°	7446	7572	7666
45°	7283	7402	7529
50°	7112	7225	7355
55°	6921	7025	7172
60°	6698	6806	6963
65°	6399	6527	6699
70°	6022	6199	6480
75°	5539	5770	6144
80°	4892	5273	5548
85°	4212	4841	5184

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7529 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	3.4
10°-20°	311.7	9.7
20°-30°	467.1	14.6
30°-40°	555.7	17.3
40°-50°	570.2	17.8
50°-60°	510.9	15.9
60°-70°	388.2	12.1
70°-80°	225.6	7.0
80°-90°	67.7	2.1
90°-100°	1.6	0.0
100°-110°	0.3	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.3	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	888.1	27.7
0°-40°	1443.8	45.0
0°-60°	2524.9	78.7
0°-90°	3206.4	99.9
90°-120°	1.9	0.1
90°-150°	2.8	0.1
90°-180°	4.0	0.1
0°-180°	3209.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1148	1167	1159	1153	1156	109
15°	1096	1117	1111	1109	1112	309
25°	1001	1024	1018	1016	1020	461
35°	874	895	889	891	896	547
45°	724	742	736	742	748	559
55°	558	571	566	573	578	498
65°	380	389	388	394	398	376
75°	202	209	210	218	224	214
85°	52	56	59	64	64	56
90°	1	3	3	6	5	4
95°	0	1	1	2	2	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4
2.5°	1153.0	1151.3	1153.0	1152.1	1160.6	1170.8	1169.1	1161.4	1153.0	1155.5	1162.3
5°	1147.9	1147.1	1149.6	1147.9	1156.4	1167.4	1164.0	1157.2	1149.6	1152.1	1158.9
7.5°	1139.4	1139.4	1142.8	1141.1	1148.7	1159.8	1156.4	1150.4	1142.8	1145.4	1152.1
10°	1127.6	1128.4	1132.7	1130.1	1136.9	1148.7	1145.4	1139.4	1132.7	1134.4	1141.1
12.5°	1114.0	1114.0	1119.1	1116.6	1123.4	1134.4	1130.1	1125.9	1119.1	1120.8	1128.4
15°	1096.3	1097.1	1103.0	1100.5	1106.4	1117.4	1113.2	1109.8	1103.9	1104.7	1110.7
17.5°	1075.9	1078.5	1084.4	1081.9	1087.8	1098.8	1093.7	1090.3	1085.3	1086.1	1092.0
20°	1053.9	1056.5	1062.4	1060.7	1064.9	1075.9	1070.9	1069.2	1064.1	1064.9	1070.0
22.5°	1029.4	1031.9	1038.7	1037.0	1041.2	1052.2	1046.3	1045.5	1040.4	1041.2	1045.5
25°	1001.4	1004.8	1012.5	1010.8	1014.1	1024.3	1019.2	1017.5	1014.1	1014.1	1017.5
27.5°	972.7	976.1	984.5	982.0	984.5	995.5	989.6	988.8	985.4	985.4	988.8
30°	941.3	944.7	954.0	951.5	954.0	963.4	957.4	958.3	954.9	954.9	957.4
32.5°	908.3	910.9	921.0	919.3	921.0	930.3	924.4	925.3	921.9	922.7	923.6
35°	873.6	876.2	887.2	885.5	886.3	894.8	890.6	890.6	888.0	887.2	888.9
37.5°	838.1	840.6	854.2	849.9	849.9	858.4	855.0	855.0	852.5	851.6	852.5
40°	801.7	803.4	817.8	813.5	812.7	820.3	817.8	817.8	816.1	814.4	815.2
42.5°	763.6	766.1	780.5	777.1	773.7	782.2	779.7	780.5	778.0	776.3	776.3
45°	723.8	726.3	740.7	739.0	733.9	741.6	739.0	740.7	737.3	735.6	735.6
47.5°	684.0	687.4	700.9	698.4	693.3	700.9	698.4	700.1	696.7	695.0	695.0
50°	642.5	645.9	660.3	656.1	651.0	658.6	656.9	657.8	655.2	653.5	652.7
52.5°	600.2	604.4	618.0	612.9	608.7	615.4	614.6	615.4	612.0	611.2	610.4
55°	557.9	562.1	574.8	568.9	565.5	571.4	569.7	571.4	568.0	567.2	566.3
57.5°	513.8	518.1	529.9	524.0	521.5	526.5	525.7	526.5	524.0	523.2	522.3
60°	470.7	474.1	485.1	479.1	476.6	481.7	480.0	482.5	479.1	479.1	478.3
62.5°	425.0	429.2	440.2	433.4	431.7	436.0	434.3	436.8	435.1	433.4	432.6
65°	380.1	382.6	392.8	386.9	384.3	389.4	388.6	390.3	387.7	388.6	387.7
67.5°	335.2	336.9	347.1	340.3	338.6	343.7	344.5	343.7	342.0	342.8	342.0
70°	289.5	291.2	299.7	293.7	292.9	297.1	298.8	298.0	296.3	297.1	298.0
72.5°	245.5	246.3	254.0	248.9	248.0	253.1	253.1	253.1	253.1	253.1	254.8
75°	201.5	202.3	209.1	204.9	204.0	209.1	209.1	209.1	209.1	210.8	209.9
77.5°	159.1	158.3	165.1	162.5	160.8	165.9	165.9	166.8	168.5	170.2	167.6
80°	119.4	118.5	123.6	120.2	120.2	125.3	124.4	125.3	127.0	127.8	128.7
82.5°	83.8	82.1	86.3	85.5	84.7	88.9	89.7	88.9	91.4	92.3	92.3
85°	51.6	51.6	54.2	52.5	52.5	55.9	55.9	56.7	58.4	59.3	59.3
87.5°	24.5	23.7	26.2	25.4	24.5	27.1	27.1	27.9	28.8	29.6	28.8
90°	0.8	0.8	1.7	1.7	1.7	3.4	3.4	3.4	4.2	4.2	3.4
92.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7
95°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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	0.8



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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	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8
132.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
135°	0.0	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.0	0.0	0.8
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
170°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	1.7	1.7
177.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4	1156.4
2.5°	1152.1	1146.2	1143.7	1145.4	1157.2	1145.4	1158.1	1162.3	1147.1	1155.5
5°	1148.7	1142.8	1139.4	1141.1	1153.0	1142.0	1155.5	1160.6	1147.9	1156.4
7.5°	1142.0	1135.2	1133.5	1136.0	1146.2	1136.9	1150.4	1155.5	1142.8	1151.3
10°	1131.8	1125.9	1124.2	1126.7	1136.0	1126.7	1138.6	1142.8	1131.0	1138.6
12.5°	1119.1	1113.2	1111.5	1114.9	1123.4	1114.9	1126.7	1131.0	1119.1	1126.7
15°	1103.0	1097.1	1096.3	1101.3	1109.0	1101.3	1113.2	1116.6	1104.7	1112.3
17.5°	1083.6	1077.6	1078.5	1084.4	1090.3	1083.6	1094.6	1098.0	1086.9	1092.9
20°	1062.4	1055.6	1057.3	1062.4	1067.5	1060.7	1071.7	1075.1	1064.9	1070.9
22.5°	1037.9	1031.1	1032.8	1038.7	1042.1	1036.2	1046.3	1049.7	1041.2	1047.2
25°	1010.8	1004.8	1007.4	1013.3	1015.8	1010.8	1020.1	1022.6	1015.0	1020.1
27.5°	983.7	976.9	980.3	986.2	987.9	982.8	992.1	993.8	986.2	991.3
30°	953.2	946.4	950.7	957.4	957.4	954.0	961.7	963.4	957.4	961.7
32.5°	919.3	914.3	919.3	925.3	924.4	921.9	929.5	931.2	926.1	929.5
35°	885.5	881.2	886.3	892.2	891.4	888.9	896.5	897.3	893.1	896.5
37.5°	850.8	847.4	852.5	857.5	855.8	854.2	860.9	860.9	858.4	861.8
40°	815.2	811.8	816.1	822.0	818.6	818.6	822.8	824.5	822.0	825.4
42.5°	778.0	774.6	779.7	784.7	781.4	780.5	785.6	786.4	784.7	787.3
45°	739.0	735.6	740.7	744.9	741.6	741.6	745.8	745.8	744.9	748.3
47.5°	699.2	696.7	700.9	705.2	701.8	704.3	704.3	704.3	706.0	705.2
50°	658.6	656.1	659.4	664.5	660.3	661.1	662.8	662.8	663.7	664.5
52.5°	616.3	612.9	616.3	622.2	616.3	618.8	619.7	620.5	623.0	621.4
55°	573.9	570.6	573.9	579.0	573.1	576.5	576.5	577.3	579.9	578.2
57.5°	529.9	526.5	531.6	535.0	529.1	532.5	532.5	534.2	535.9	533.3
60°	485.9	483.4	485.1	491.0	485.1	488.4	488.4	488.4	491.8	489.3
62.5°	441.0	439.4	441.0	446.1	440.2	443.6	442.7	443.6	447.0	446.1
65°	395.3	393.6	395.3	400.4	394.5	397.9	397.9	398.7	401.3	397.9
67.5°	350.5	347.9	350.5	354.7	349.6	352.2	352.2	352.2	356.4	354.7
70°	304.8	303.1	304.8	309.0	304.8	306.4	306.4	306.4	310.7	311.5
72.5°	259.9	259.9	261.6	265.0	261.6	265.0	262.4	260.7	266.7	267.5
75°	215.9	216.7	217.6	220.9	217.6	220.9	219.3	217.6	222.6	223.5
77.5°	175.2	175.2	176.1	178.6	176.1	178.6	176.9	176.9	180.3	179.5
80°	133.8	133.8	134.6	137.1	134.6	137.1	135.4	135.4	138.8	135.4
82.5°	97.4	97.4	97.4	99.9	98.2	99.9	99.0	97.4	101.6	98.2
85°	62.6	63.5	63.5	64.3	63.5	64.3	64.3	63.5	66.0	63.5
87.5°	32.2	32.2	32.2	33.0	32.2	32.2	33.0	32.2	33.9	33.0
90°	5.9	5.1	5.1	6.8	5.9	5.9	6.8	5.1	5.9	5.1
92.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.4	3.4
95°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5
97.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
100°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
102.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
105°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8
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	0.8	0.0	0.0	0.0	0.8





TEST NUMBER: P893511  
 CATALOG NUMBER: 4MB-4SL-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	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.8	0.8	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°	0.8	0.8	0.8	0.8	0.0	0.8	0.0	0.0	0.0	0.0
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
170°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P893511  
 CATALOG NUMBER: 4MB-4SL-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	18.83	20.47	19.20	20.78	21.10	18.97	20.60	19.33	20.92	21.24
	3H	20.65	22.13	21.03	22.46	22.83	20.80	22.28	21.18	22.61	22.97
	4H	21.31	22.71	21.71	23.06	23.44	21.51	22.90	21.91	23.25	23.63
	6H	21.77	23.06	22.18	23.43	23.82	22.06	23.36	22.48	23.72	24.12
	8H	21.91	23.14	22.33	23.53	23.93	22.26	23.49	22.68	23.89	24.29
	12H	22.00	23.19	22.43	23.57	24.00	22.40	23.58	22.83	23.97	24.40
4H	2H	19.46	20.86	19.86	21.21	21.59	19.57	20.97	19.97	21.32	21.69
	3H	21.50	22.68	21.92	23.08	23.48	21.64	22.81	22.05	23.21	23.61
	4H	22.30	23.36	22.73	23.77	24.21	22.48	23.54	22.92	23.96	24.40
	6H	22.87	23.80	23.33	24.24	24.70	23.18	24.10	23.63	24.55	25.00
	8H	23.06	23.93	23.52	24.38	24.84	23.42	24.29	23.88	24.73	25.20
	12H	23.21	23.99	23.69	24.46	24.94	23.61	24.40	24.10	24.87	25.34
8H	4H	22.63	23.50	23.09	23.94	24.41	22.79	23.66	23.25	24.11	24.57
	6H	23.33	24.05	23.82	24.54	25.02	23.62	24.34	24.11	24.83	25.31
	8H	23.59	24.24	24.10	24.75	25.24	23.95	24.60	24.46	25.11	25.59
	12H	23.81	24.38	24.32	24.88	25.44	24.23	24.81	24.74	25.30	25.86
12H	4H	22.67	23.45	23.15	23.93	24.40	22.82	23.61	23.31	24.08	24.56
	6H	23.40	24.05	23.91	24.56	25.05	23.67	24.33	24.18	24.83	25.32
	8H	23.73	24.30	24.23	24.79	25.36	24.07	24.64	24.58	25.14	25.70