

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: P893621

Luminaire Tested: 4MB-5SL-FLT-UNV-L930

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P893621  
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-L930  
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT  
Light Source: -  
Ballast/Driver: -

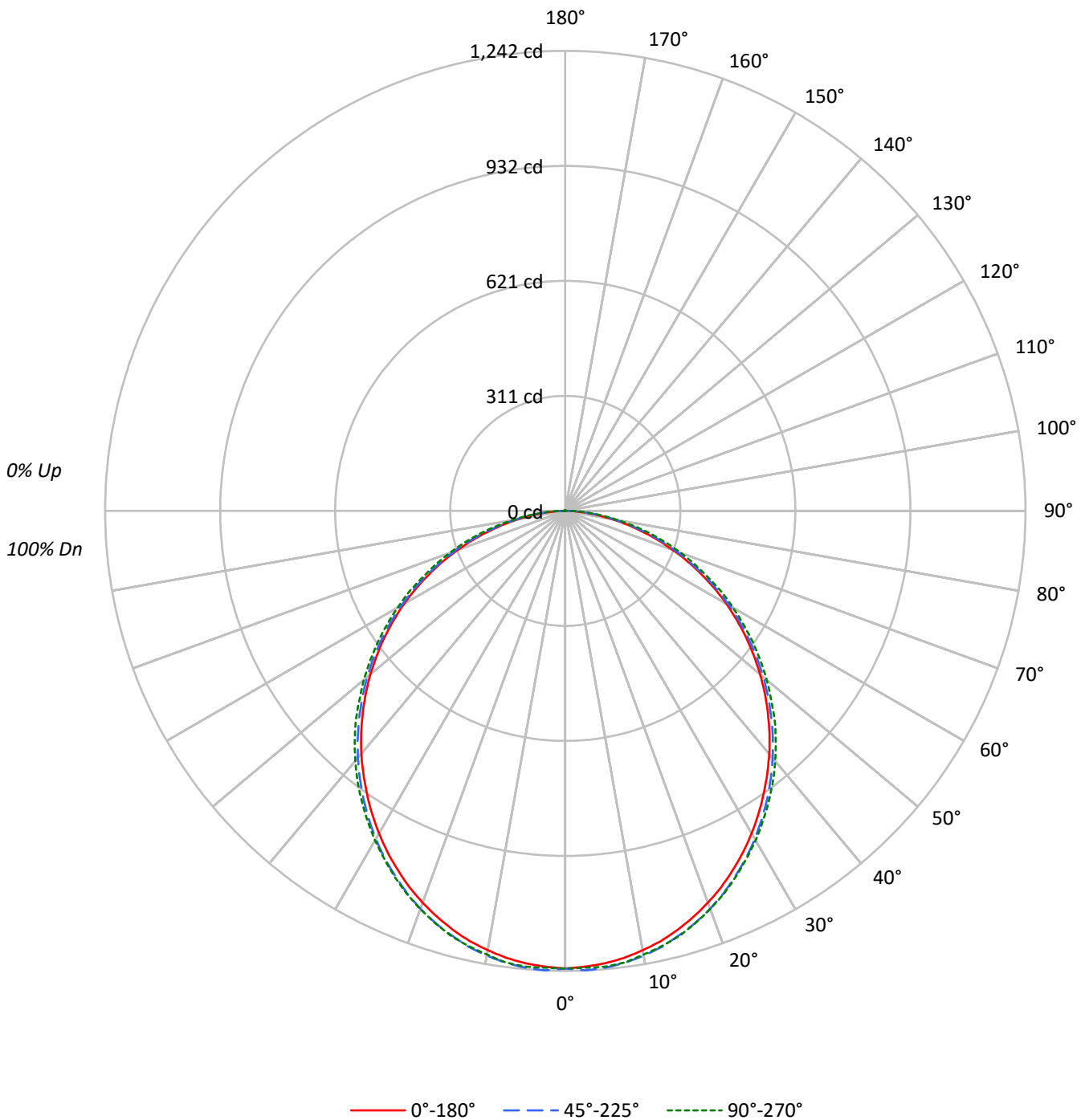
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3429.0 lumens  
Efficiency: N/A  
Efficacy: 98.0 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-L930

### 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°	8789	8789	8789
5°	8758	8842	8823
10°	8702	8807	8787
15°	8626	8739	8752
20°	8524	8654	8661
25°	8398	8534	8555
30°	8262	8402	8440
35°	8106	8247	8318
40°	7954	8088	8189
45°	7780	7907	8044
50°	7598	7717	7858
55°	7392	7505	7661
60°	7155	7270	7438
65°	6835	6973	7155
70°	6434	6622	6923
75°	5916	6166	6562
80°	5224	5634	5929
85°	4506	5168	5535

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8044 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.8	3.4
10°-20°	332.9	9.7
20°-30°	498.9	14.5
30°-40°	593.6	17.3
40°-50°	609.1	17.8
50°-60°	545.7	15.9
60°-70°	414.6	12.1
70°-80°	241.0	7.0
80°-90°	72.3	2.1
90°-100°	1.7	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
0°-30°	948.7	27.7
0°-40°	1542.3	45.0
0°-60°	2697.2	78.7
0°-90°	3425.1	99.9
90°-120°	2.0	0.1
90°-150°	3.1	0.1
90°-180°	4.0	0.1
0°-180°	3429.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1235	1235	1235	1235	1235	
5°	1226	1247	1238	1232	1235	116
15°	1171	1194	1186	1185	1188	330
25°	1070	1094	1087	1085	1090	493
35°	933	956	950	952	958	584
45°	773	792	786	792	799	597
55°	596	610	605	612	618	532
65°	406	416	414	421	425	402
75°	215	223	224	232	239	228
85°	55	60	63	68	68	60
90°	1	4	4	6	5	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3
2.5°	1231.6	1229.8	1231.6	1230.7	1239.8	1250.6	1248.8	1240.7	1231.6	1234.4	1241.6
5°	1226.2	1225.3	1228.0	1226.2	1235.3	1247.0	1243.4	1236.2	1228.0	1230.7	1238.0
7.5°	1217.2	1217.2	1220.8	1219.0	1227.1	1238.9	1235.3	1228.9	1220.8	1223.5	1230.7
10°	1204.5	1205.4	1209.9	1207.2	1214.5	1227.1	1223.5	1217.2	1209.9	1211.7	1219.0
12.5°	1190.0	1190.0	1195.5	1192.8	1200.0	1211.7	1207.2	1202.7	1195.5	1197.3	1205.4
15°	1171.1	1172.0	1178.3	1175.6	1181.9	1193.7	1189.1	1185.5	1179.2	1180.1	1186.4
17.5°	1149.3	1152.1	1158.4	1155.7	1162.0	1173.8	1168.3	1164.7	1159.3	1160.2	1166.5
20°	1125.8	1128.6	1134.9	1133.1	1137.6	1149.3	1143.9	1142.1	1136.7	1137.6	1143.0
22.5°	1099.6	1102.3	1109.6	1107.8	1112.3	1124.0	1117.7	1116.8	1111.4	1112.3	1116.8
25°	1069.8	1073.4	1081.5	1079.7	1083.3	1094.2	1088.8	1087.0	1083.3	1083.3	1087.0
27.5°	1039.0	1042.6	1051.7	1049.0	1051.7	1063.4	1057.1	1056.2	1052.6	1052.6	1056.2
30°	1005.6	1009.2	1019.1	1016.4	1019.1	1029.1	1022.7	1023.7	1020.0	1020.0	1022.7
32.5°	970.3	973.0	983.9	982.1	983.9	993.8	987.5	988.4	984.8	985.7	986.6
35°	933.2	935.9	947.7	945.9	946.8	955.8	951.3	951.3	948.6	947.7	949.5
37.5°	895.2	898.0	912.4	907.9	907.9	916.9	913.3	913.3	910.6	909.7	910.6
40°	856.4	858.2	873.5	869.0	868.1	876.3	873.5	873.5	871.7	869.9	870.8
42.5°	815.7	818.4	833.8	830.1	826.5	835.6	832.8	833.8	831.0	829.2	829.2
45°	773.2	775.9	791.3	789.4	784.0	792.2	789.4	791.3	787.6	785.8	785.8
47.5°	730.7	734.3	748.8	746.0	740.6	748.8	746.0	747.8	744.2	742.4	742.4
50°	686.4	690.0	705.3	700.8	695.4	703.5	701.7	702.6	699.9	698.1	697.2
52.5°	641.1	645.7	660.1	654.7	650.2	657.4	656.5	657.4	653.8	652.9	652.0
55°	595.9	600.4	614.0	607.7	604.1	610.4	608.6	610.4	606.8	605.9	605.0
57.5°	548.9	553.4	566.1	559.8	557.0	562.5	561.6	562.5	559.8	558.8	557.9
60°	502.8	506.4	518.2	511.8	509.1	514.5	512.7	515.4	511.8	511.8	510.9
62.5°	454.0	458.5	470.2	463.0	461.2	465.7	463.9	466.6	464.8	463.0	462.1
65°	406.0	408.7	419.6	413.3	410.5	416.0	415.1	416.9	414.2	415.1	414.2
67.5°	358.1	359.9	370.8	363.5	361.7	367.1	368.0	367.1	365.3	366.2	365.3
70°	309.3	311.1	320.1	313.8	312.9	317.4	319.2	318.3	316.5	317.4	318.3
72.5°	262.2	263.1	271.3	265.9	265.0	270.4	270.4	270.4	270.4	270.4	272.2
75°	215.2	216.1	223.4	218.8	217.9	223.4	223.4	223.4	223.4	225.2	224.3
77.5°	170.0	169.1	176.3	173.6	171.8	177.2	177.2	178.1	180.0	181.8	179.0
80°	127.5	126.6	132.0	128.4	128.4	133.8	132.9	133.8	135.6	136.5	137.5
82.5°	89.5	87.7	92.2	91.3	90.4	95.0	95.9	95.0	97.7	98.6	98.6
85°	55.2	55.2	57.9	56.1	56.1	59.7	59.7	60.6	62.4	63.3	63.3
87.5°	26.2	25.3	28.0	27.1	26.2	28.9	28.9	29.8	30.7	31.7	30.7
90°	0.9	0.9	1.8	1.8	1.8	3.6	3.6	3.6	4.5	4.5	3.6
92.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8
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°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
170°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
175°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	1.8	1.8
177.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3	1235.3
2.5°	1230.7	1224.4	1221.7	1223.5	1236.2	1223.5	1237.1	1241.6	1225.3	1234.4
5°	1227.1	1220.8	1217.2	1219.0	1231.6	1219.9	1234.4	1239.8	1226.2	1235.3
7.5°	1219.9	1212.7	1210.8	1213.6	1224.4	1214.5	1228.9	1234.4	1220.8	1229.8
10°	1209.0	1202.7	1200.9	1203.6	1213.6	1203.6	1216.3	1220.8	1208.1	1216.3
12.5°	1195.5	1189.1	1187.3	1190.9	1200.0	1190.9	1203.6	1208.1	1195.5	1203.6
15°	1178.3	1172.0	1171.1	1176.5	1184.6	1176.5	1189.1	1192.8	1180.1	1188.2
17.5°	1157.5	1151.2	1152.1	1158.4	1164.7	1157.5	1169.2	1172.9	1161.1	1167.4
20°	1134.9	1127.6	1129.5	1134.9	1140.3	1133.1	1144.8	1148.4	1137.6	1143.9
22.5°	1108.7	1101.4	1103.2	1109.6	1113.2	1106.8	1117.7	1121.3	1112.3	1118.6
25°	1079.7	1073.4	1076.1	1082.4	1085.1	1079.7	1089.7	1092.4	1084.2	1089.7
27.5°	1050.8	1043.5	1047.2	1053.5	1055.3	1049.9	1059.8	1061.6	1053.5	1058.9
30°	1018.2	1011.0	1015.5	1022.7	1022.7	1019.1	1027.3	1029.1	1022.7	1027.3
32.5°	982.1	976.6	982.1	988.4	987.5	984.8	992.9	994.7	989.3	992.9
35°	945.9	941.4	946.8	953.1	952.2	949.5	957.6	958.5	954.0	957.6
37.5°	908.8	905.2	910.6	916.0	914.2	912.4	919.7	919.7	916.9	920.6
40°	870.8	867.2	871.7	878.1	874.4	874.4	879.0	880.8	878.1	881.7
42.5°	831.0	827.4	832.8	838.3	834.7	833.8	839.2	840.1	838.3	841.0
45°	789.4	785.8	791.3	795.8	792.2	792.2	796.7	796.7	795.8	799.4
47.5°	746.9	744.2	748.8	753.3	749.7	752.4	752.4	752.4	754.2	753.3
50°	703.5	700.8	704.4	709.9	705.3	706.2	708.1	708.1	709.0	709.9
52.5°	658.3	654.7	658.3	664.7	658.3	661.0	661.9	662.8	665.6	663.7
55°	613.1	609.5	613.1	618.5	612.2	615.8	615.8	616.7	619.4	617.6
57.5°	566.1	562.5	567.9	571.5	565.2	568.8	568.8	570.6	572.4	569.7
60°	519.1	516.3	518.2	524.5	518.2	521.8	521.8	521.8	525.4	522.7
62.5°	471.1	469.3	471.1	476.6	470.2	473.8	472.9	473.8	477.5	476.6
65°	422.3	420.5	422.3	427.7	421.4	425.0	425.0	425.9	428.6	425.0
67.5°	374.4	371.7	374.4	378.9	373.5	376.2	376.2	376.2	380.7	378.9
70°	325.5	323.7	325.5	330.1	325.5	327.4	327.4	327.4	331.9	332.8
72.5°	277.6	277.6	279.4	283.0	279.4	283.0	280.3	278.5	284.9	285.8
75°	230.6	231.5	232.4	236.0	232.4	236.0	234.2	232.4	237.8	238.7
77.5°	187.2	187.2	188.1	190.8	188.1	190.8	189.0	189.0	192.6	191.7
80°	142.9	142.9	143.8	146.5	143.8	146.5	144.7	144.7	148.3	144.7
82.5°	104.0	104.0	104.0	106.7	104.9	106.7	105.8	104.0	108.5	104.9
85°	66.9	67.8	67.8	68.7	67.8	68.7	68.7	67.8	70.5	67.8
87.5°	34.4	34.4	34.4	35.3	34.4	34.4	35.3	34.4	36.2	35.3
90°	6.3	5.4	5.4	7.2	6.3	6.3	7.2	5.4	6.3	5.4
92.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6
95°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
97.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
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: P893621  
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L930

**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: P893621  
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L930

**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	19.06	20.69	19.42	21.01	21.33	19.19	20.83	19.56	21.15	21.46
	3H	20.88	22.36	21.26	22.69	23.05	21.03	22.51	21.41	22.84	23.20
	4H	21.54	22.94	21.94	23.29	23.67	21.73	23.13	22.13	23.48	23.86
	6H	21.99	23.29	22.41	23.66	24.05	22.29	23.59	22.70	23.95	24.35
	8H	22.13	23.37	22.56	23.76	24.16	22.49	23.72	22.91	24.11	24.52
	12H	22.23	23.42	22.66	23.80	24.23	22.63	23.81	23.06	24.20	24.63
4H	2H	19.69	21.09	20.09	21.44	21.82	19.80	21.20	20.20	21.55	21.92
	3H	21.73	22.90	22.14	23.30	23.71	21.87	23.04	22.28	23.44	23.84
	4H	22.53	23.59	22.96	24.00	24.44	22.71	23.77	23.14	24.19	24.63
	6H	23.10	24.03	23.56	24.47	24.93	23.40	24.33	23.86	24.78	25.23
	8H	23.29	24.16	23.75	24.61	25.07	23.65	24.52	24.11	24.96	25.43
	12H	23.43	24.22	23.92	24.69	25.17	23.84	24.63	24.32	25.10	25.57
8H	4H	22.86	23.73	23.32	24.17	24.64	23.02	23.89	23.48	24.33	24.80
	6H	23.56	24.28	24.05	24.77	25.25	23.85	24.57	24.34	25.06	25.54
	8H	23.82	24.47	24.33	24.98	25.47	24.18	24.83	24.69	25.34	25.82
	12H	24.04	24.61	24.55	25.11	25.67	24.46	25.04	24.97	25.53	26.09
12H	4H	22.90	23.68	23.38	24.16	24.63	23.05	23.84	23.53	24.31	24.78
	6H	23.63	24.28	24.14	24.79	25.28	23.90	24.55	24.41	25.06	25.55
	8H	23.95	24.53	24.46	25.02	25.58	24.30	24.87	24.81	25.37	25.93