

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: P894205

Luminaire Tested: 4MB-SC3-FLT-UNV-CC93-MID-4000K

Issue Date: 11/11/2024

**Test Information**

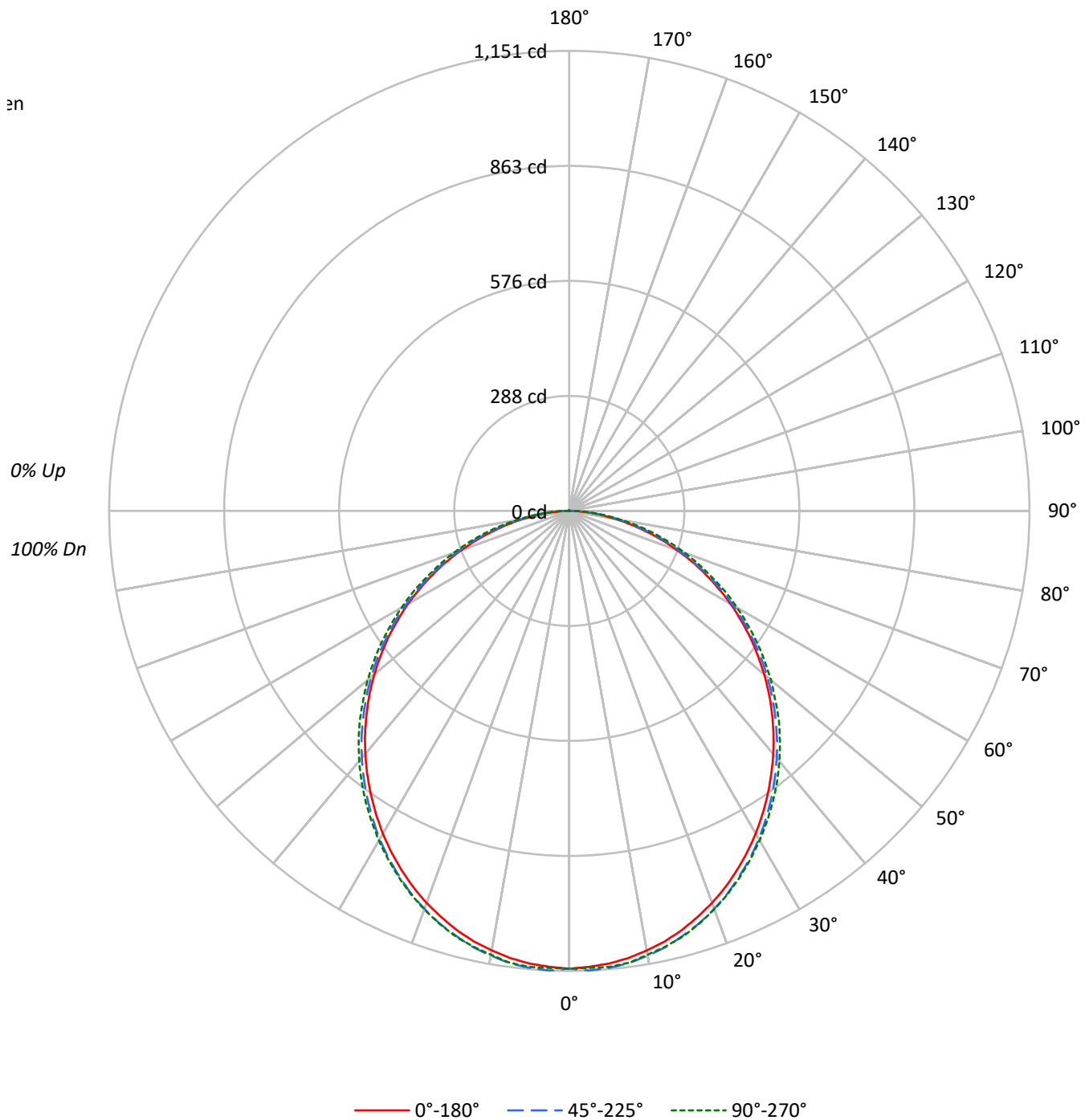
Test Method: LM-79-2019  
Report Number: P894205  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-FLT-UNV-CC93-MID-4000K  
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT, MID lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3178.9 lumens  
Efficiency: N/A  
Efficacy: 94.9 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): 33.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.9948  
Total Harmonic Distortion (THDi): 5.65231997856897  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P894205  
CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-MID-4000K

### 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°	8148	8148	8148
5°	8119	8197	8179
10°	8068	8165	8147
15°	7997	8102	8114
20°	7903	8024	8030
25°	7786	7911	7931
30°	7659	7790	7825
35°	7515	7646	7711
40°	7374	7498	7592
45°	7213	7330	7457
50°	7043	7155	7284
55°	6854	6958	7103
60°	6633	6741	6896
65°	6337	6465	6633
70°	5964	6139	6418
75°	5484	5715	6084
80°	4843	5220	5495
85°	4172	4792	5135

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7457 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.3	3.4
10°-20°	308.7	9.7
20°-30°	462.5	14.6
30°-40°	550.4	17.3
40°-50°	564.7	17.8
50°-60°	505.9	15.9
60°-70°	384.4	12.1
70°-80°	223.4	7.0
80°-90°	67.0	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°	879.5	27.7
0°-40°	1429.9	45.0
0°-60°	2500.5	78.7
0°-90°	3175.4	99.9
90°-120°	1.9	0.1
90°-150°	2.8	0.1
90°-180°	4.0	0.1
0°-180°	3178.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1145	1145	1145	1145	1145	
5°	1137	1156	1148	1142	1145	108
15°	1086	1107	1100	1098	1102	306
25°	992	1014	1008	1006	1010	457
35°	865	886	880	883	888	541
45°	717	734	728	734	741	553
55°	552	566	561	568	573	494
65°	376	386	384	391	394	373
75°	200	207	208	216	221	212
85°	51	55	59	63	63	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	



TEST NUMBER: P894205  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2
2.5°	1141.8	1140.2	1141.8	1141.0	1149.4	1159.4	1157.8	1150.2	1141.8	1144.4	1151.1
5°	1136.8	1136.0	1138.5	1136.8	1145.2	1156.1	1152.7	1146.0	1138.5	1141.0	1147.7
7.5°	1128.4	1128.4	1131.8	1130.1	1137.7	1148.6	1145.2	1139.3	1131.8	1134.3	1141.0
10°	1116.7	1117.5	1121.7	1119.2	1125.9	1137.7	1134.3	1128.4	1121.7	1123.4	1130.1
12.5°	1103.3	1103.3	1108.3	1105.8	1112.5	1123.4	1119.2	1115.0	1108.3	1110.0	1117.5
15°	1085.7	1086.5	1092.4	1089.9	1095.7	1106.6	1102.4	1099.1	1093.2	1094.1	1099.9
17.5°	1065.6	1068.1	1073.9	1071.4	1077.3	1088.2	1083.2	1079.8	1074.8	1075.6	1081.5
20°	1043.8	1046.3	1052.1	1050.5	1054.7	1065.6	1060.5	1058.8	1053.8	1054.7	1059.7
22.5°	1019.4	1022.0	1028.7	1027.0	1031.2	1042.1	1036.2	1035.4	1030.3	1031.2	1035.4
25°	991.8	995.1	1002.7	1001.0	1004.4	1014.4	1009.4	1007.7	1004.4	1004.4	1007.7
27.5°	963.3	966.6	975.0	972.5	975.0	985.9	980.0	979.2	975.8	975.8	979.2
30°	932.3	935.6	944.8	942.3	944.8	954.1	948.2	949.0	945.7	945.7	948.2
32.5°	899.6	902.1	912.1	910.5	912.1	921.4	915.5	916.3	913.0	913.8	914.6
35°	865.2	867.7	878.6	876.9	877.8	886.1	882.0	882.0	879.4	878.6	880.3
37.5°	830.0	832.5	845.9	841.7	841.7	850.1	846.7	846.7	844.2	843.4	844.2
40°	793.9	795.6	809.9	805.7	804.8	812.4	809.9	809.9	808.2	806.5	807.3
42.5°	756.2	758.7	773.0	769.6	766.3	774.6	772.1	773.0	770.5	768.8	768.8
45°	716.8	719.3	733.6	731.9	726.9	734.4	731.9	733.6	730.2	728.5	728.5
47.5°	677.4	680.7	694.2	691.6	686.6	694.2	691.6	693.3	690.0	688.3	688.3
50°	636.3	639.7	653.9	649.7	644.7	652.2	650.6	651.4	648.9	647.2	646.4
52.5°	594.4	598.6	612.0	607.0	602.8	609.5	608.6	609.5	606.1	605.3	604.5
55°	552.5	556.7	569.2	563.4	560.0	565.9	564.2	565.9	562.5	561.7	560.9
57.5°	508.9	513.1	524.8	518.9	516.4	521.5	520.6	521.5	518.9	518.1	517.3
60°	466.1	469.5	480.4	474.5	472.0	477.0	475.3	477.9	474.5	474.5	473.7
62.5°	420.9	425.0	435.9	429.2	427.6	431.8	430.1	432.6	430.9	429.2	428.4
65°	376.4	378.9	389.0	383.1	380.6	385.6	384.8	386.5	384.0	384.8	384.0
67.5°	332.0	333.7	343.7	337.0	335.3	340.4	341.2	340.4	338.7	339.5	338.7
70°	286.7	288.4	296.8	290.9	290.1	294.3	295.9	295.1	293.4	294.3	295.1
72.5°	243.1	244.0	251.5	246.5	245.6	250.7	250.7	250.7	250.7	250.7	252.3
75°	199.5	200.4	207.1	202.9	202.0	207.1	207.1	207.1	207.1	208.8	207.9
77.5°	157.6	156.8	163.5	161.0	159.3	164.3	164.3	165.2	166.8	168.5	166.0
80°	118.2	117.4	122.4	119.0	119.0	124.1	123.2	124.1	125.8	126.6	127.4
82.5°	83.0	81.3	85.5	84.7	83.8	88.0	88.9	88.0	90.5	91.4	91.4
85°	51.1	51.1	53.7	52.0	52.0	55.3	55.3	56.2	57.8	58.7	58.7
87.5°	24.3	23.5	26.0	25.2	24.3	26.8	26.8	27.7	28.5	29.3	28.5
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°	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2	1145.2
2.5°	1141.0	1135.1	1132.6	1134.3	1146.0	1134.3	1146.9	1151.1	1136.0	1144.4
5°	1137.7	1131.8	1128.4	1130.1	1141.8	1130.9	1144.4	1149.4	1136.8	1145.2
7.5°	1130.9	1124.2	1122.6	1125.1	1135.1	1125.9	1139.3	1144.4	1131.8	1140.2
10°	1120.9	1115.0	1113.3	1115.9	1125.1	1115.9	1127.6	1131.8	1120.0	1127.6
12.5°	1108.3	1102.4	1100.8	1104.1	1112.5	1104.1	1115.9	1120.0	1108.3	1115.9
15°	1092.4	1086.5	1085.7	1090.7	1098.2	1090.7	1102.4	1105.8	1094.1	1101.6
17.5°	1073.1	1067.2	1068.1	1073.9	1079.8	1073.1	1084.0	1087.4	1076.5	1082.3
20°	1052.1	1045.4	1047.1	1052.1	1057.2	1050.5	1061.4	1064.7	1054.7	1060.5
22.5°	1027.8	1021.1	1022.8	1028.7	1032.0	1026.2	1036.2	1039.6	1031.2	1037.0
25°	1001.0	995.1	997.6	1003.5	1006.0	1001.0	1010.2	1012.7	1005.2	1010.2
27.5°	974.2	967.5	970.8	976.7	978.4	973.3	982.6	984.2	976.7	981.7
30°	944.0	937.3	941.5	948.2	948.2	944.8	952.4	954.1	948.2	952.4
32.5°	910.5	905.4	910.5	916.3	915.5	913.0	920.5	922.2	917.2	920.5
35°	876.9	872.7	877.8	883.6	882.8	880.3	887.8	888.7	884.5	887.8
37.5°	842.6	839.2	844.2	849.3	847.6	845.9	852.6	852.6	850.1	853.4
40°	807.3	804.0	808.2	814.0	810.7	810.7	814.9	816.6	814.0	817.4
42.5°	770.5	767.1	772.1	777.2	773.8	773.0	778.0	778.8	777.2	779.7
45°	731.9	728.5	733.6	737.8	734.4	734.4	738.6	738.6	737.8	741.1
47.5°	692.5	690.0	694.2	698.4	695.0	697.5	697.5	697.5	699.2	698.4
50°	652.2	649.7	653.1	658.1	653.9	654.8	656.4	656.4	657.3	658.1
52.5°	610.3	607.0	610.3	616.2	610.3	612.8	613.7	614.5	617.0	615.4
55°	568.4	565.1	568.4	573.4	567.6	570.9	570.9	571.8	574.3	572.6
57.5°	524.8	521.5	526.5	529.8	524.0	527.3	527.3	529.0	530.7	528.2
60°	481.2	478.7	480.4	486.2	480.4	483.7	483.7	483.7	487.1	484.6
62.5°	436.8	435.1	436.8	441.8	435.9	439.3	438.5	439.3	442.7	441.8
65°	391.5	389.8	391.5	396.5	390.7	394.0	394.0	394.9	397.4	394.0
67.5°	347.1	344.6	347.1	351.3	346.2	348.8	348.8	348.8	352.9	351.3
70°	301.8	300.1	301.8	306.0	301.8	303.5	303.5	303.5	307.7	308.5
72.5°	257.4	257.4	259.1	262.4	259.1	262.4	259.9	258.2	264.1	264.9
75°	213.8	214.6	215.5	218.8	215.5	218.8	217.1	215.5	220.5	221.3
77.5°	173.5	173.5	174.4	176.9	174.4	176.9	175.2	175.2	178.6	177.7
80°	132.5	132.5	133.3	135.8	133.3	135.8	134.1	134.1	137.5	134.1
82.5°	96.4	96.4	96.4	98.9	97.2	98.9	98.1	96.4	100.6	97.2
85°	62.0	62.9	62.9	63.7	62.9	63.7	63.7	62.9	65.4	62.9
87.5°	31.9	31.9	31.9	32.7	31.9	31.9	32.7	31.9	33.5	32.7
90°	5.9	5.0	5.0	6.7	5.9	5.9	6.7	5.0	5.9	5.0
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: P894205  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-MID-4000K

**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: P894205  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-MID-4000K

**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	18.79	20.43	19.16	20.75	21.06	18.93	20.57	19.30	20.88	21.20
	3H	20.62	22.10	21.00	22.43	22.79	20.76	22.25	21.14	22.57	22.94
	4H	21.28	22.67	21.68	23.02	23.40	21.47	22.87	21.87	23.22	23.60
	6H	21.73	23.03	22.14	23.39	23.79	22.03	23.32	22.44	23.69	24.08
	8H	21.87	23.11	22.30	23.50	23.90	22.22	23.46	22.65	23.85	24.25
	12H	21.97	23.15	22.40	23.54	23.97	22.37	23.55	22.80	23.93	24.37
4H	2H	19.43	20.82	19.83	21.17	21.55	19.54	20.93	19.94	21.28	21.66
	3H	21.47	22.64	21.88	23.04	23.44	21.60	22.78	22.02	23.18	23.58
	4H	22.26	23.32	22.70	23.74	24.18	22.45	23.51	22.88	23.93	24.36
	6H	22.84	23.77	23.29	24.21	24.67	23.14	24.07	23.60	24.51	24.97
	8H	23.03	23.90	23.49	24.34	24.81	23.39	24.26	23.85	24.70	25.17
	12H	23.17	23.95	23.65	24.43	24.90	23.58	24.36	24.06	24.84	25.31
8H	4H	22.59	23.46	23.05	23.91	24.37	22.76	23.63	23.22	24.07	24.54
	6H	23.30	24.02	23.79	24.51	24.99	23.58	24.31	24.08	24.80	25.27
	8H	23.56	24.21	24.07	24.72	25.20	23.91	24.56	24.43	25.07	25.56
	12H	23.77	24.35	24.28	24.84	25.40	24.20	24.77	24.71	25.27	25.83
12H	4H	22.64	23.42	23.12	23.90	24.37	22.79	23.57	23.27	24.05	24.52
	6H	23.37	24.02	23.88	24.52	25.01	23.64	24.29	24.15	24.80	25.29
	8H	23.69	24.27	24.20	24.76	25.32	24.03	24.61	24.54	25.10	25.66