

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: P894206

Luminaire Tested: 4MB-SC3-FLT-UNV-CC93-MID-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894206
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-5000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 5000K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

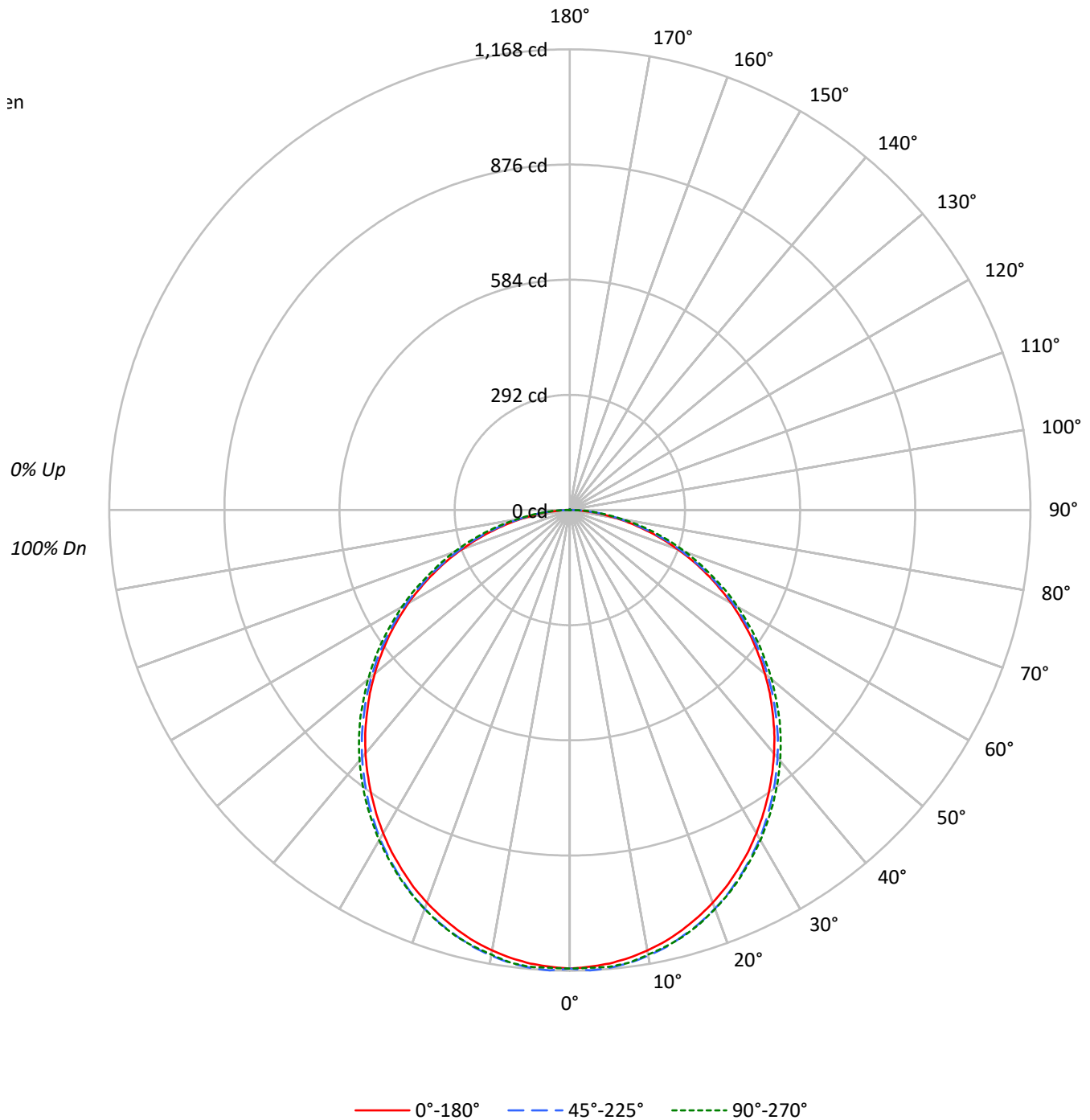
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3227.1 lumens
Efficiency: N/A
Efficacy: 96.3 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

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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°	8271	8271	8271
5°	8242	8321	8303
10°	8190	8288	8269
15°	8118	8224	8237
20°	8022	8145	8151
25°	7904	8030	8051
30°	7775	7908	7943
35°	7628	7762	7828
40°	7485	7611	7706
45°	7321	7441	7570
50°	7149	7262	7394
55°	6957	7062	7210
60°	6734	6842	7000
65°	6433	6562	6734
70°	6054	6233	6515
75°	5567	5803	6177
80°	4917	5302	5581
85°	4237	4865	5208

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7570 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	3.4
10°-20°	313.3	9.7
20°-30°	469.5	14.5
30°-40°	558.7	17.3
40°-50°	573.2	17.8
50°-60°	513.5	15.9
60°-70°	390.2	12.1
70°-80°	226.8	7.0
80°-90°	68.1	2.1
90°-100°	1.6	0.1
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°	892.8	27.7
0°-40°	1451.5	45.0
0°-60°	2538.2	78.7
0°-90°	3223.3	99.9
90°-120°	2.0	0.1
90°-150°	3.0	0.1
90°-180°	4.0	0.1
0°-180°	3227.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1154	1174	1165	1159	1162	110
15°	1102	1123	1116	1115	1118	311
25°	1007	1030	1023	1021	1026	464
35°	878	900	894	896	901	550
45°	728	746	740	746	752	561
55°	561	574	569	576	581	501
65°	382	392	390	397	400	378
75°	202	210	211	219	225	215
85°	52	56	60	64	64	57
90°	1	3	3	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°	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5
2.5°	1159.1	1157.4	1159.1	1158.2	1166.7	1177.0	1175.3	1167.6	1159.1	1161.6	1168.4
5°	1154.0	1153.1	1155.7	1154.0	1162.5	1173.6	1170.1	1163.3	1155.7	1158.2	1165.0
7.5°	1145.5	1145.5	1148.9	1147.2	1154.8	1165.9	1162.5	1156.5	1148.9	1151.4	1158.2
10°	1133.6	1134.4	1138.7	1136.1	1142.9	1154.8	1151.4	1145.5	1138.7	1140.4	1147.2
12.5°	1119.9	1119.9	1125.0	1122.5	1129.3	1140.4	1136.1	1131.9	1125.0	1126.7	1134.4
15°	1102.1	1102.9	1108.9	1106.3	1112.3	1123.3	1119.1	1115.7	1109.7	1110.6	1116.5
17.5°	1081.6	1084.2	1090.2	1087.6	1093.6	1104.6	1099.5	1096.1	1091.0	1091.9	1097.8
20°	1059.5	1062.1	1068.0	1066.3	1070.6	1081.6	1076.5	1074.8	1069.7	1070.6	1075.7
22.5°	1034.8	1037.4	1044.2	1042.5	1046.8	1057.8	1051.9	1051.0	1045.9	1046.8	1051.0
25°	1006.8	1010.2	1017.8	1016.1	1019.5	1029.7	1024.6	1022.9	1019.5	1019.5	1022.9
27.5°	977.8	981.2	989.7	987.2	989.7	1000.8	994.8	994.0	990.6	990.6	994.0
30°	946.3	949.7	959.1	956.5	959.1	968.5	962.5	963.4	959.9	959.9	962.5
32.5°	913.1	915.7	925.9	924.2	925.9	935.3	929.3	930.2	926.8	927.6	928.5
35°	878.2	880.8	891.9	890.2	891.0	899.5	895.3	895.3	892.7	891.9	893.6
37.5°	842.5	845.1	858.7	854.4	854.4	862.9	859.5	859.5	857.0	856.1	857.0
40°	805.9	807.6	822.1	817.8	817.0	824.6	822.1	822.1	820.4	818.7	819.5
42.5°	767.6	770.2	784.6	781.2	777.8	786.3	783.8	784.6	782.1	780.4	780.4
45°	727.6	730.2	744.6	742.9	737.8	745.5	742.9	744.6	741.2	739.5	739.5
47.5°	687.6	691.0	704.6	702.1	697.0	704.6	702.1	703.8	700.4	698.7	698.7
50°	645.9	649.3	663.8	659.5	654.4	662.1	660.4	661.2	658.7	657.0	656.1
52.5°	603.4	607.6	621.2	616.1	611.9	618.7	617.8	618.7	615.3	614.4	613.6
55°	560.8	565.1	577.8	571.9	568.5	574.4	572.7	574.4	571.0	570.2	569.3
57.5°	516.6	520.8	532.7	526.8	524.2	529.3	528.5	529.3	526.8	525.9	525.1
60°	473.2	476.6	487.6	481.7	479.1	484.2	482.5	485.1	481.7	481.7	480.8
62.5°	427.2	431.5	442.5	435.7	434.0	438.3	436.6	439.1	437.4	435.7	434.9
65°	382.1	384.7	394.9	388.9	386.4	391.5	390.6	392.3	389.8	390.6	389.8
67.5°	337.0	338.7	348.9	342.1	340.4	345.5	346.4	345.5	343.8	344.7	343.8
70°	291.0	292.7	301.3	295.3	294.5	298.7	300.4	299.6	297.9	298.7	299.6
72.5°	246.8	247.6	255.3	250.2	249.3	254.5	254.5	254.5	254.5	254.5	256.2
75°	202.5	203.4	210.2	205.9	205.1	210.2	210.2	210.2	210.2	211.9	211.1
77.5°	160.0	159.1	165.9	163.4	161.7	166.8	166.8	167.7	169.4	171.1	168.5
80°	120.0	119.1	124.2	120.8	120.8	126.0	125.1	126.0	127.7	128.5	129.4
82.5°	84.3	82.5	86.8	86.0	85.1	89.4	90.2	89.4	91.9	92.8	92.8
85°	51.9	51.9	54.5	52.8	52.8	56.2	56.2	57.0	58.7	59.6	59.6
87.5°	24.7	23.8	26.4	25.5	24.7	27.2	27.2	28.1	28.9	29.8	28.9
90°	0.9	0.9	1.7	1.7	1.7	3.4	3.4	3.4	4.3	4.3	3.4
92.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7
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°	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9
170°	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	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°	0.9	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°	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5	1162.5
2.5°	1158.2	1152.3	1149.7	1151.4	1163.3	1151.4	1164.2	1168.4	1153.1	1161.6
5°	1154.8	1148.9	1145.5	1147.2	1159.1	1148.0	1161.6	1166.7	1154.0	1162.5
7.5°	1148.0	1141.2	1139.5	1142.1	1152.3	1142.9	1156.5	1161.6	1148.9	1157.4
10°	1137.8	1131.9	1130.2	1132.7	1142.1	1132.7	1144.6	1148.9	1137.0	1144.6
12.5°	1125.0	1119.1	1117.4	1120.8	1129.3	1120.8	1132.7	1137.0	1125.0	1132.7
15°	1108.9	1102.9	1102.1	1107.2	1114.8	1107.2	1119.1	1122.5	1110.6	1118.2
17.5°	1089.3	1083.3	1084.2	1090.2	1096.1	1089.3	1100.4	1103.8	1092.7	1098.7
20°	1068.0	1061.2	1062.9	1068.0	1073.1	1066.3	1077.4	1080.8	1070.6	1076.5
22.5°	1043.3	1036.5	1038.2	1044.2	1047.6	1041.6	1051.9	1055.3	1046.8	1052.7
25°	1016.1	1010.2	1012.7	1018.7	1021.2	1016.1	1025.5	1028.0	1020.4	1025.5
27.5°	988.9	982.1	985.5	991.4	993.1	988.0	997.4	999.1	991.4	996.5
30°	958.2	951.4	955.7	962.5	962.5	959.1	966.8	968.5	962.5	966.8
32.5°	924.2	919.1	924.2	930.2	929.3	926.8	934.4	936.1	931.0	934.4
35°	890.2	885.9	891.0	897.0	896.1	893.6	901.2	902.1	897.8	901.2
37.5°	855.3	851.9	857.0	862.1	860.4	858.7	865.5	865.5	862.9	866.3
40°	819.5	816.1	820.4	826.3	822.9	822.9	827.2	828.9	826.3	829.7
42.5°	782.1	778.7	783.8	788.9	785.5	784.6	789.7	790.6	788.9	791.4
45°	742.9	739.5	744.6	748.9	745.5	745.5	749.7	749.7	748.9	752.3
47.5°	702.9	700.4	704.6	708.9	705.5	708.0	708.0	708.0	709.7	708.9
50°	662.1	659.5	662.9	668.0	663.8	664.6	666.3	666.3	667.2	668.0
52.5°	619.5	616.1	619.5	625.5	619.5	622.1	622.9	623.8	626.3	624.6
55°	577.0	573.6	577.0	582.1	576.1	579.5	579.5	580.4	582.9	581.2
57.5°	532.7	529.3	534.4	537.8	531.9	535.3	535.3	537.0	538.7	536.1
60°	488.5	485.9	487.6	493.6	487.6	491.0	491.0	491.0	494.4	491.9
62.5°	443.4	441.7	443.4	448.5	442.5	445.9	445.1	445.9	449.3	448.5
65°	397.4	395.7	397.4	402.5	396.6	400.0	400.0	400.8	403.4	400.0
67.5°	352.3	349.8	352.3	356.6	351.5	354.0	354.0	354.0	358.3	356.6
70°	306.4	304.7	306.4	310.6	306.4	308.1	308.1	308.1	312.3	313.2
72.5°	261.3	261.3	263.0	266.4	263.0	266.4	263.8	262.1	268.1	268.9
75°	217.0	217.9	218.7	222.1	218.7	222.1	220.4	218.7	223.8	224.7
77.5°	176.2	176.2	177.0	179.6	177.0	179.6	177.9	177.9	181.3	180.4
80°	134.5	134.5	135.3	137.9	135.3	137.9	136.2	136.2	139.6	136.2
82.5°	97.9	97.9	97.9	100.4	98.7	100.4	99.6	97.9	102.1	98.7
85°	63.0	63.8	63.8	64.7	63.8	64.7	64.7	63.8	66.4	63.8
87.5°	32.3	32.3	32.3	33.2	32.3	32.3	33.2	32.3	34.0	33.2
90°	6.0	5.1	5.1	6.8	6.0	6.0	6.8	5.1	6.0	5.1
92.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4
95°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6
97.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
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: P894206
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-MID-5000K

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: P894206
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-MID-5000K

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	18.85	20.48	19.21	20.80	21.12	18.98	20.62	19.35	20.94	21.25
	3H	20.67	22.15	21.05	22.48	22.84	20.82	22.30	21.19	22.63	22.99
	4H	21.33	22.73	21.73	23.08	23.45	21.52	22.92	21.92	23.27	23.65
	6H	21.78	23.08	22.20	23.44	23.84	22.08	23.38	22.49	23.74	24.14
	8H	21.92	23.16	22.35	23.55	23.95	22.28	23.51	22.70	23.90	24.30
	12H	22.02	23.20	22.45	23.59	24.02	22.42	23.60	22.85	23.99	24.42
4H	2H	19.48	20.88	19.88	21.23	21.60	19.59	20.98	19.99	21.33	21.71
	3H	21.52	22.69	21.93	23.09	23.50	21.66	22.83	22.07	23.23	23.63
	4H	22.32	23.38	22.75	23.79	24.23	22.50	23.56	22.93	23.98	24.42
	6H	22.89	23.82	23.35	24.26	24.72	23.19	24.12	23.65	24.56	25.02
	8H	23.08	23.95	23.54	24.39	24.86	23.44	24.31	23.90	24.75	25.22
	12H	23.22	24.01	23.70	24.48	24.95	23.63	24.41	24.11	24.89	25.36
8H	4H	22.64	23.51	23.11	23.96	24.43	22.81	23.68	23.27	24.12	24.59
	6H	23.35	24.07	23.84	24.56	25.04	23.64	24.36	24.13	24.85	25.33
	8H	23.61	24.26	24.12	24.77	25.26	23.97	24.62	24.48	25.12	25.61
	12H	23.83	24.40	24.33	24.89	25.46	24.25	24.83	24.76	25.32	25.88
12H	4H	22.69	23.47	23.17	23.95	24.42	22.84	23.62	23.32	24.10	24.57
	6H	23.42	24.07	23.93	24.58	25.06	23.69	24.34	24.20	24.85	25.34
	8H	23.74	24.32	24.25	24.81	25.37	24.09	24.66	24.59	25.15	25.72