

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: P894204

Luminaire Tested: 4MB-SC3-FLT-UNV-CC93-MID-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894204
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-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

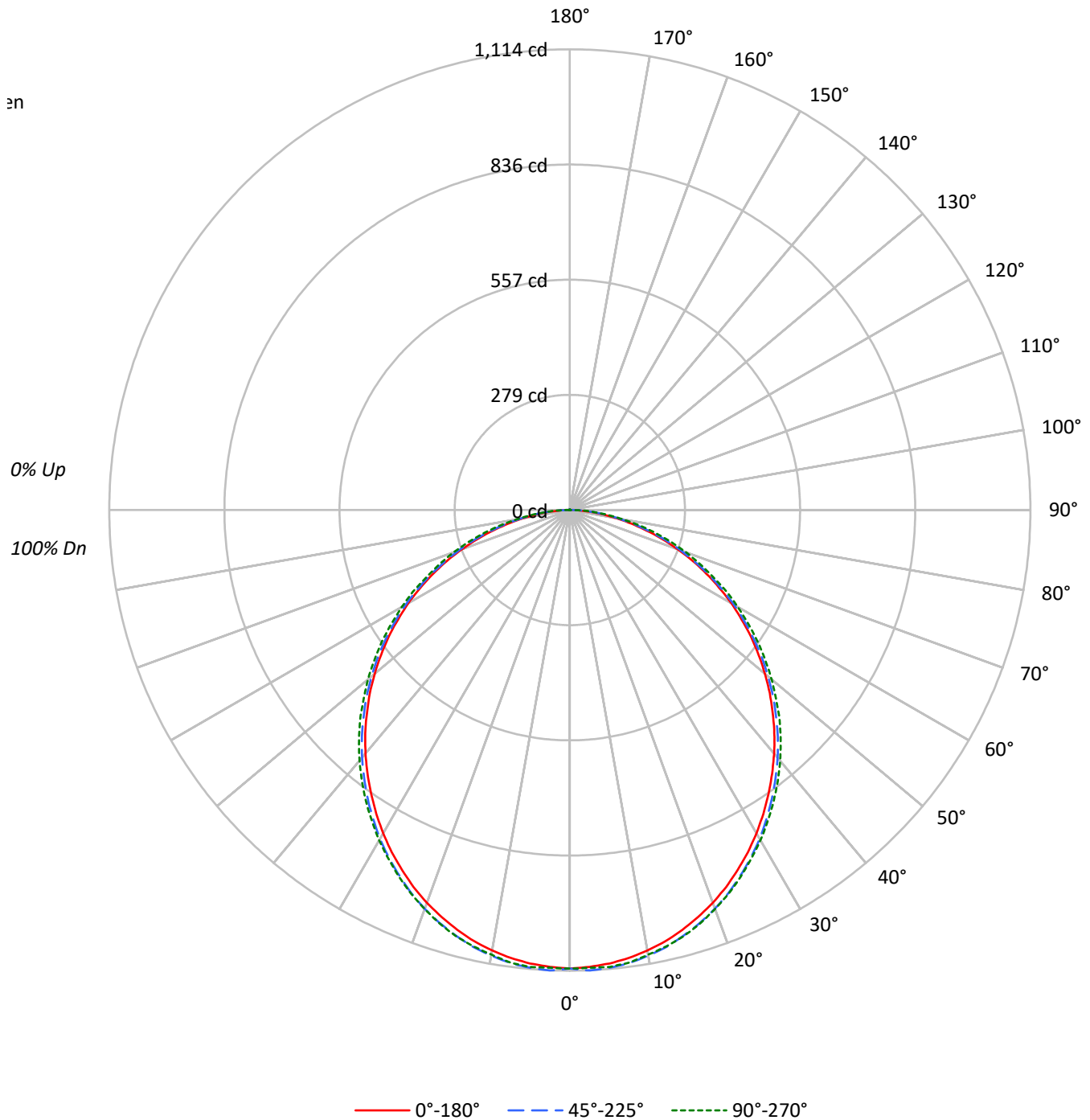
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3078.0 lumens
Efficiency: N/A
Efficacy: 91.9 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

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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°	7889	7889	7889
5°	7861	7936	7919
10°	7811	7905	7888
15°	7743	7845	7857
20°	7652	7768	7775
25°	7539	7660	7679
30°	7415	7543	7576
35°	7276	7403	7466
40°	7140	7260	7350
45°	6983	7098	7221
50°	6820	6927	7053
55°	6635	6736	6877
60°	6422	6526	6677
65°	6137	6259	6423
70°	5775	5943	6214
75°	5311	5534	5891
80°	4691	5056	5322
85°	4041	4637	4972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 7221 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	3.4
10°-20°	298.9	9.7
20°-30°	447.8	14.6
30°-40°	532.9	17.3
40°-50°	546.8	17.8
50°-60°	489.8	15.9
60°-70°	372.2	12.1
70°-80°	216.3	7.0
80°-90°	64.9	2.1
90°-100°	1.5	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°	851.6	27.7
0°-40°	1384.4	45.0
0°-60°	2421.1	78.7
0°-90°	3074.5	99.9
90°-120°	1.8	0.1
90°-150°	2.7	0.1
90°-180°	3.0	0.1
0°-180°	3078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1109	1109	1109	1109	1109	
5°	1101	1119	1111	1106	1109	104
15°	1051	1072	1065	1063	1067	296
25°	960	982	976	974	978	443
35°	838	858	852	855	860	524
45°	694	711	705	711	718	536
55°	535	548	543	550	554	478
65°	364	373	372	378	382	361
75°	193	200	201	209	214	205
85°	50	54	57	61	61	54
90°	1	3	3	6	5	3
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°	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8
2.5°	1105.6	1103.9	1105.6	1104.8	1112.9	1122.6	1121.0	1113.7	1105.6	1108.0	1114.5
5°	1100.7	1099.9	1102.3	1100.7	1108.8	1119.4	1116.1	1109.6	1102.3	1104.8	1111.2
7.5°	1092.6	1092.6	1095.8	1094.2	1101.5	1112.1	1108.8	1103.1	1095.8	1098.3	1104.8
10°	1081.2	1082.0	1086.1	1083.7	1090.1	1101.5	1098.3	1092.6	1086.1	1087.7	1094.2
12.5°	1068.2	1068.2	1073.1	1070.7	1077.2	1087.7	1083.7	1079.6	1073.1	1074.7	1082.0
15°	1051.2	1052.0	1057.7	1055.2	1060.9	1071.5	1067.4	1064.2	1058.5	1059.3	1065.0
17.5°	1031.7	1034.1	1039.8	1037.4	1043.1	1053.6	1048.7	1045.5	1040.6	1041.4	1047.1
20°	1010.6	1013.0	1018.7	1017.1	1021.1	1031.7	1026.8	1025.2	1020.3	1021.1	1026.0
22.5°	987.1	989.5	996.0	994.4	998.4	1009.0	1003.3	1002.5	997.6	998.4	1002.5
25°	960.3	963.5	970.8	969.2	972.4	982.2	977.3	975.7	972.4	972.4	975.7
27.5°	932.7	935.9	944.0	941.6	944.0	954.6	948.9	948.1	944.8	944.8	948.1
30°	902.6	905.9	914.8	912.4	914.8	923.7	918.1	918.9	915.6	915.6	918.1
32.5°	871.0	873.4	883.2	881.5	883.2	892.1	886.4	887.2	884.0	884.8	885.6
35°	837.7	840.1	850.7	849.1	849.9	858.0	853.9	853.9	851.5	850.7	852.3
37.5°	803.6	806.0	819.0	815.0	815.0	823.1	819.8	819.8	817.4	816.6	817.4
40°	768.7	770.3	784.1	780.1	779.3	786.6	784.1	784.1	782.5	780.9	781.7
42.5°	732.2	734.6	748.4	745.2	741.9	750.0	747.6	748.4	746.0	744.3	744.3
45°	694.0	696.5	710.3	708.6	703.8	711.1	708.6	710.3	707.0	705.4	705.4
47.5°	655.9	659.1	672.1	669.7	664.8	672.1	669.7	671.3	668.0	666.4	666.4
50°	616.1	619.3	633.1	629.1	624.2	631.5	629.9	630.7	628.3	626.7	625.8
52.5°	575.5	579.6	592.6	587.7	583.6	590.1	589.3	590.1	586.9	586.1	585.3
55°	534.9	539.0	551.2	545.5	542.2	547.9	546.3	547.9	544.7	543.9	543.0
57.5°	492.7	496.8	508.1	502.5	500.0	504.9	504.1	504.9	502.5	501.6	500.8
60°	451.3	454.6	465.1	459.4	457.0	461.9	460.2	462.7	459.4	459.4	458.6
62.5°	407.5	411.5	422.1	415.6	414.0	418.0	416.4	418.8	417.2	415.6	414.8
65°	364.5	366.9	376.6	371.0	368.5	373.4	372.6	374.2	371.8	372.6	371.8
67.5°	321.4	323.1	332.8	326.3	324.7	329.6	330.4	329.6	327.9	328.7	327.9
70°	277.6	279.2	287.3	281.7	280.9	284.9	286.5	285.7	284.1	284.9	285.7
72.5°	235.4	236.2	243.5	238.6	237.8	242.7	242.7	242.7	242.7	242.7	244.3
75°	193.2	194.0	200.5	196.4	195.6	200.5	200.5	200.5	200.5	202.1	201.3
77.5°	152.6	151.8	158.3	155.9	154.2	159.1	159.1	159.9	161.5	163.2	160.7
80°	114.5	113.6	118.5	115.3	115.3	120.1	119.3	120.1	121.8	122.6	123.4
82.5°	80.4	78.7	82.8	82.0	81.2	85.2	86.0	85.2	87.7	88.5	88.5
85°	49.5	49.5	52.0	50.3	50.3	53.6	53.6	54.4	56.0	56.8	56.8
87.5°	23.5	22.7	25.2	24.4	23.5	26.0	26.0	26.8	27.6	28.4	27.6
90°	0.8	0.8	1.6	1.6	1.6	3.2	3.2	3.2	4.1	4.1	3.2
92.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6
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°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
170°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	1.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8	1108.8
2.5°	1104.8	1099.1	1096.6	1098.3	1109.6	1098.3	1110.4	1114.5	1099.9	1108.0
5°	1101.5	1095.8	1092.6	1094.2	1105.6	1095.0	1108.0	1112.9	1100.7	1108.8
7.5°	1095.0	1088.5	1086.9	1089.3	1099.1	1090.1	1103.1	1108.0	1095.8	1103.9
10°	1085.3	1079.6	1078.0	1080.4	1089.3	1080.4	1091.8	1095.8	1084.5	1091.8
12.5°	1073.1	1067.4	1065.8	1069.0	1077.2	1069.0	1080.4	1084.5	1073.1	1080.4
15°	1057.7	1052.0	1051.2	1056.1	1063.4	1056.1	1067.4	1070.7	1059.3	1066.6
17.5°	1039.0	1033.3	1034.1	1039.8	1045.5	1039.0	1049.6	1052.8	1042.3	1047.9
20°	1018.7	1012.2	1013.8	1018.7	1023.6	1017.1	1027.6	1030.9	1021.1	1026.8
22.5°	995.2	988.7	990.3	996.0	999.2	993.5	1003.3	1006.5	998.4	1004.1
25°	969.2	963.5	966.0	971.6	974.1	969.2	978.1	980.6	973.3	978.1
27.5°	943.2	936.7	940.0	945.7	947.3	942.4	951.3	953.0	945.7	950.5
30°	914.0	907.5	911.6	918.1	918.1	914.8	922.1	923.7	918.1	922.1
32.5°	881.5	876.7	881.5	887.2	886.4	884.0	891.3	892.9	888.0	891.3
35°	849.1	845.0	849.9	855.6	854.7	852.3	859.6	860.4	856.4	859.6
37.5°	815.8	812.5	817.4	822.3	820.7	819.0	825.5	825.5	823.1	826.3
40°	781.7	778.4	782.5	788.2	784.9	784.9	789.0	790.6	788.2	791.4
42.5°	746.0	742.7	747.6	752.5	749.2	748.4	753.3	754.1	752.5	754.9
45°	708.6	705.4	710.3	714.3	711.1	711.1	715.1	715.1	714.3	717.6
47.5°	670.5	668.0	672.1	676.2	672.9	675.4	675.4	675.4	677.0	676.2
50°	631.5	629.1	632.3	637.2	633.1	634.0	635.6	635.6	636.4	637.2
52.5°	590.9	587.7	590.9	596.6	590.9	593.4	594.2	595.0	597.4	595.8
55°	550.3	547.1	550.3	555.2	549.5	552.8	552.8	553.6	556.0	554.4
57.5°	508.1	504.9	509.8	513.0	507.3	510.6	510.6	512.2	513.8	511.4
60°	465.9	463.5	465.1	470.8	465.1	468.4	468.4	468.4	471.6	469.2
62.5°	422.9	421.3	422.9	427.8	422.1	425.3	424.5	425.3	428.6	427.8
65°	379.1	377.5	379.1	383.9	378.3	381.5	381.5	382.3	384.8	381.5
67.5°	336.1	333.6	336.1	340.1	335.2	337.7	337.7	337.7	341.7	340.1
70°	292.2	290.6	292.2	296.3	292.2	293.8	293.8	293.8	297.9	298.7
72.5°	249.2	249.2	250.8	254.1	250.8	254.1	251.6	250.0	255.7	256.5
75°	207.0	207.8	208.6	211.9	208.6	211.9	210.2	208.6	213.5	214.3
77.5°	168.0	168.0	168.8	171.3	168.8	171.3	169.7	169.7	172.9	172.1
80°	128.3	128.3	129.1	131.5	129.1	131.5	129.9	129.9	133.1	129.9
82.5°	93.3	93.3	93.3	95.8	94.2	95.8	95.0	93.3	97.4	94.2
85°	60.1	60.9	60.9	61.7	60.9	61.7	61.7	60.9	63.3	60.9
87.5°	30.8	30.8	30.8	31.7	30.8	30.8	31.7	30.8	32.5	31.7
90°	5.7	4.9	4.9	6.5	5.7	5.7	6.5	4.9	5.7	4.9
92.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.2	3.2
95°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
97.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
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: P894204

CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-MID-3500K

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: P894204
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-MID-3500K

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	18.68	20.32	19.05	20.64	20.95	18.82	20.46	19.19	20.77	21.09
	3H	20.51	21.99	20.88	22.32	22.68	20.65	22.13	21.03	22.46	22.82
	4H	21.17	22.56	21.57	22.91	23.29	21.36	22.75	21.76	23.10	23.48
	6H	21.62	22.91	22.03	23.28	23.67	21.92	23.21	22.33	23.58	23.97
	8H	21.76	23.00	22.18	23.39	23.79	22.11	23.35	22.54	23.74	24.14
	12H	21.85	23.04	22.29	23.42	23.86	22.25	23.44	22.68	23.82	24.25
4H	2H	19.32	20.71	19.72	21.06	21.44	19.43	20.82	19.83	21.17	21.55
	3H	21.36	22.53	21.77	22.93	23.33	21.49	22.66	21.90	23.06	23.47
	4H	22.15	23.21	22.58	23.63	24.07	22.34	23.40	22.77	23.81	24.25
	6H	22.73	23.66	23.18	24.10	24.56	23.03	23.96	23.48	24.40	24.86
	8H	22.92	23.79	23.38	24.23	24.70	23.27	24.14	23.74	24.59	25.06
	12H	23.06	23.84	23.54	24.32	24.79	23.47	24.25	23.95	24.73	25.20
8H	4H	22.48	23.35	22.94	23.79	24.26	22.65	23.52	23.11	23.96	24.43
	6H	23.18	23.91	23.68	24.40	24.87	23.47	24.20	23.97	24.69	25.16
	8H	23.45	24.10	23.96	24.60	25.09	23.80	24.45	24.31	24.96	25.45
	12H	23.66	24.24	24.17	24.73	25.29	24.09	24.66	24.59	25.15	25.72
12H	4H	22.52	23.31	23.01	23.78	24.25	22.68	23.46	23.16	23.94	24.41
	6H	23.25	23.90	23.76	24.41	24.90	23.53	24.18	24.04	24.69	25.18
	8H	23.58	24.15	24.09	24.65	25.21	23.92	24.50	24.43	24.99	25.55