

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: P894314

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-RND-UNV-CC93-MID-5000K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 5000K CCT, MID lu setting
Light Source: -
Ballast/Driver: -

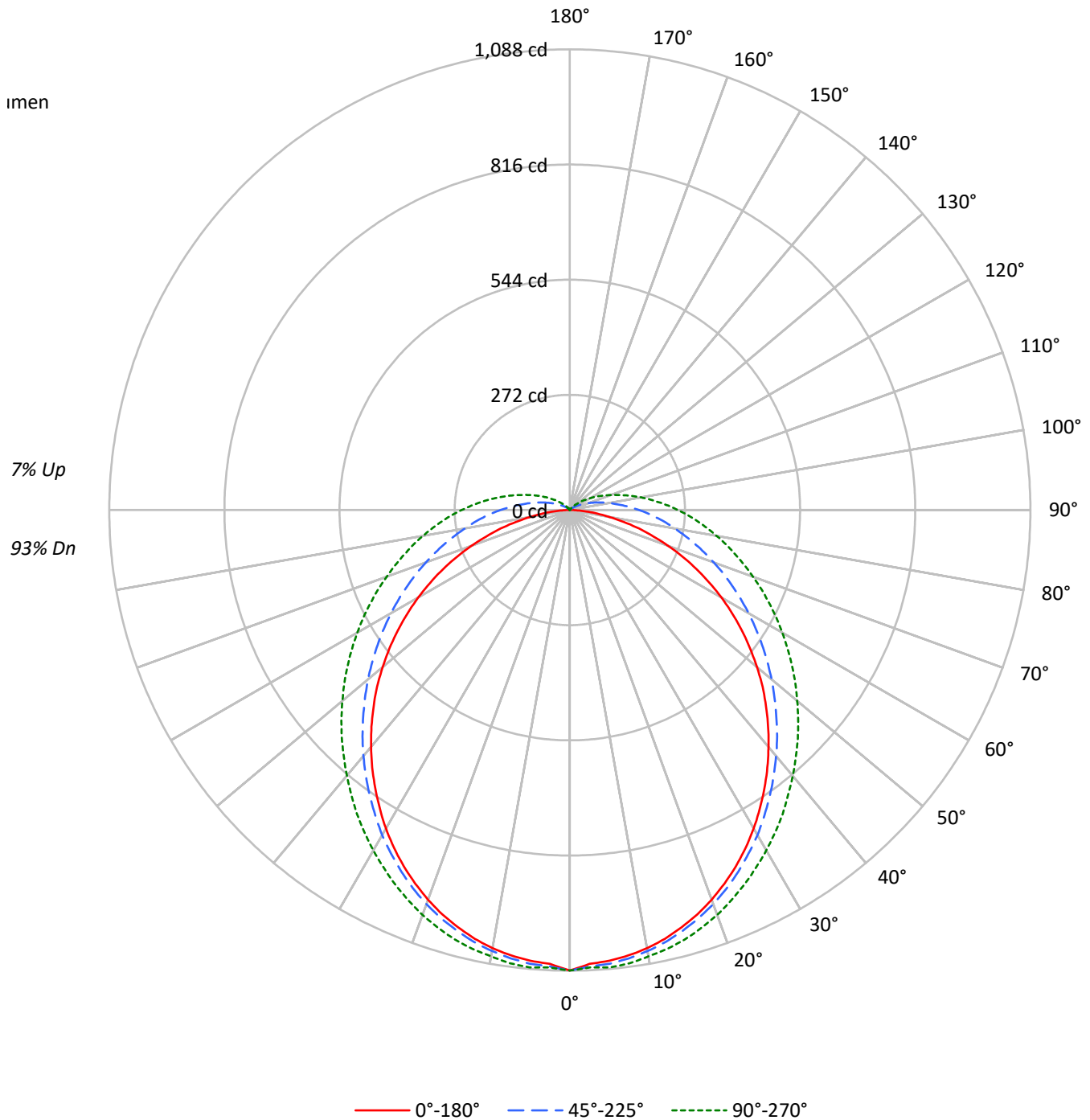
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3600.1 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
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: P894314
CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P894314

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

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7738	7738	7738
5°	7633	7682	7743
10°	7592	7642	7733
15°	7515	7578	7734
20°	7416	7500	7706
25°	7288	7395	7662
30°	7138	7285	7627
35°	6963	7154	7612
40°	6781	7042	7611
45°	6593	6944	7663
50°	6386	6885	7762
55°	6154	6871	7948
60°	5884	6939	8246
65°	5559	7120	8739
70°	5151	7522	9576
75°	4654	8374	11112
80°	3942	10321	14435
85°	3192	16809	24727

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 45526 cd/sqm



TEST NUMBER: P894314

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	2.9
10°-20°	293.0	8.1
20°-30°	438.8	12.2
30°-40°	523.2	14.5
40°-50°	542.6	15.1
50°-60°	503.4	14.0
60°-70°	419.9	11.7
70°-80°	313.1	8.7
80°-90°	208.5	5.8
90°-100°	126.9	3.5
100°-110°	70.9	2.0
110°-120°	35.4	1.0
120°-130°	14.8	0.4
130°-140°	4.7	0.1
140°-150°	1.2	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	834.6	23.2
0°-40°	1357.8	37.7
0°-60°	2403.7	66.8
0°-90°	3345.2	92.9
90°-120°	233.2	6.5
90°-150°	253.9	7.1
90°-180°	255.0	7.1
0°-180°	3600.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1069	1093	1076	1082	1084	101
15°	1020	1047	1029	1048	1050	288
25°	928	953	942	968	976	427
35°	802	823	824	864	876	501
45°	655	672	690	744	762	506
55°	496	513	554	619	641	443
65°	330	356	423	494	519	327
75°	169	216	305	379	404	179
85°	39	107	206	276	303	44
90°	2	71	163	231	255	3
95°	0	43	126	189	211	0
105°	0	14	69	117	134	0
115°	1	3	32	66	78	1
125°	1	1	13	32	39	1
135°	1	1	3	11	14	1
145°	1	1	1	3	3	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	0
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



TEST NUMBER: P894314
 CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5
2.5°	1073.0	1074.7	1090.0	1089.2	1086.6	1096.8	1099.4	1090.9	1077.3	1090.9	1079.0
5°	1068.7	1070.4	1085.8	1084.9	1082.4	1093.4	1094.3	1086.6	1073.0	1086.6	1075.6
7.5°	1061.1	1062.8	1078.1	1077.3	1075.6	1086.6	1085.8	1079.8	1065.3	1079.8	1067.9
10°	1050.9	1051.7	1067.9	1066.2	1065.3	1076.4	1073.9	1068.7	1054.3	1068.7	1057.7
12.5°	1037.3	1038.1	1054.3	1052.6	1052.6	1062.8	1059.4	1055.1	1040.7	1054.3	1044.9
15°	1020.2	1021.1	1036.4	1035.6	1035.6	1046.6	1041.5	1038.1	1024.5	1039.0	1028.8
17.5°	1001.5	1000.7	1016.8	1015.1	1016.8	1027.1	1020.2	1018.5	1005.8	1019.4	1010.9
20°	979.4	979.4	993.9	993.0	995.6	1004.9	996.4	997.3	984.5	999.0	990.5
22.5°	954.7	953.9	968.3	968.3	970.9	980.3	970.9	973.4	960.7	974.3	967.5
25°	928.3	926.6	941.1	941.1	945.4	953.0	942.8	946.2	934.3	947.9	942.0
27.5°	899.4	896.9	911.3	912.2	915.6	923.2	912.2	917.3	906.2	919.0	914.7
30°	868.8	866.2	880.7	881.5	885.8	891.8	880.7	887.5	877.3	890.1	886.7
32.5°	835.6	833.9	847.5	849.2	853.5	857.7	847.5	854.3	845.8	858.6	855.2
35°	801.6	799.9	812.6	815.2	819.4	822.8	811.8	821.1	813.5	825.4	823.7
37.5°	766.7	764.1	777.7	779.4	784.5	786.2	776.0	787.1	780.3	792.2	791.3
40°	730.1	727.5	741.1	742.8	748.0	748.0	739.4	751.4	746.2	757.3	758.2
42.5°	693.5	690.9	702.9	706.3	710.5	710.5	702.0	714.8	711.4	722.4	725.0
45°	655.2	652.6	663.7	667.1	672.2	672.2	663.7	678.2	675.6	686.7	690.1
47.5°	617.8	614.4	624.6	628.0	633.1	632.2	625.4	639.9	639.0	650.1	656.1
50°	576.9	574.4	584.6	588.0	593.9	592.2	587.1	602.4	602.4	613.5	622.0
52.5°	536.9	534.4	544.6	548.0	553.1	553.1	548.0	564.2	566.7	577.8	588.0
55°	496.1	492.7	502.9	506.3	512.2	513.1	508.8	525.0	530.1	542.9	553.9
57.5°	455.2	453.5	462.0	465.4	473.1	473.1	470.6	487.6	494.4	508.0	520.8
60°	413.5	411.8	419.5	423.8	432.3	434.0	432.3	450.1	459.5	473.1	487.6
62.5°	371.8	370.1	377.8	383.8	393.1	394.8	395.7	414.4	424.6	439.1	455.2
65°	330.2	328.5	336.1	342.9	354.0	356.5	359.1	378.7	390.6	405.9	422.9
67.5°	288.5	287.6	295.3	303.8	315.7	319.1	323.3	343.8	357.4	373.6	392.3
70°	247.6	246.8	254.4	264.6	279.1	283.4	288.5	308.9	325.9	342.9	361.6
72.5°	206.8	207.6	216.1	228.0	244.2	248.5	255.3	276.5	295.3	313.1	332.7
75°	169.3	169.3	178.7	192.3	210.2	216.1	223.8	245.9	265.5	284.2	304.6
77.5°	131.0	131.0	142.1	159.1	178.7	184.6	194.0	217.0	238.3	257.0	277.4
80°	96.2	97.9	110.6	127.6	148.1	155.7	166.8	189.8	212.7	231.4	251.9
82.5°	65.5	68.1	81.7	101.3	121.7	129.3	140.4	165.1	188.1	207.6	228.9
85°	39.1	43.4	57.9	77.4	98.7	107.2	119.1	142.1	165.1	184.6	205.9
87.5°	17.9	23.8	39.1	58.7	79.1	88.5	98.7	120.8	143.8	163.4	185.5
90°	1.7	10.2	25.5	42.5	62.1	70.6	80.8	102.1	124.2	142.1	163.4
92.5°	0.0	4.3	15.3	30.6	47.7	56.2	65.5	85.9	105.5	123.4	143.8
95°	0.0	1.7	8.5	21.3	35.7	43.4	51.9	70.6	90.2	107.2	125.9
97.5°	0.0	0.9	5.1	14.5	26.4	33.2	40.8	57.9	75.7	91.9	108.9
100°	0.0	0.9	2.6	9.4	19.6	24.7	32.3	46.8	63.0	77.4	94.5
102.5°	0.0	0.0	1.7	6.0	14.5	18.7	24.7	37.4	51.9	65.5	80.8
105°	0.0	0.0	0.9	4.3	10.2	13.6	18.7	29.8	42.5	54.5	68.9
107.5°	0.0	0.0	0.9	2.6	6.8	10.2	14.5	23.0	34.0	45.1	57.9
110°	0.9	0.9	0.9	1.7	5.1	7.7	10.2	17.9	28.1	37.4	48.5



TEST NUMBER: P894314
 CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.9	0.9	0.9	0.9	3.4	5.1	7.7	13.6	22.1	29.8	40.0
115°	0.9	0.9	0.9	0.9	2.6	3.4	5.1	10.2	17.0	23.8	32.3
117.5°	0.9	0.9	0.9	0.9	1.7	2.6	3.4	7.7	12.8	18.7	26.4
120°	0.9	0.9	0.9	0.9	0.9	1.7	2.6	5.1	10.2	14.5	21.3
122.5°	0.9	0.9	0.9	0.9	0.9	1.7	1.7	4.3	7.7	11.1	16.2
125°	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	5.1	8.5	12.8
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	3.4	6.0	9.4
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	4.3	6.8
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	3.4	5.1
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	3.4
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	2.6
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
145°	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9
155°	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9
170°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P894314
 CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5	1087.5
2.5°	1082.4	1084.9	1087.5	1080.7	1084.9	1092.6	1095.1	1084.9	1088.3	1081.5
5°	1079.0	1080.7	1084.1	1075.6	1081.5	1088.3	1092.6	1084.1	1089.2	1084.1
7.5°	1072.1	1073.9	1078.1	1069.6	1077.3	1083.2	1088.3	1079.8	1084.9	1079.8
10°	1061.9	1064.5	1070.4	1060.2	1069.6	1074.7	1079.8	1070.4	1075.6	1070.4
12.5°	1049.2	1053.4	1058.5	1049.2	1058.5	1062.8	1069.6	1060.2	1066.2	1061.9
15°	1033.9	1038.1	1044.9	1035.6	1047.5	1050.9	1057.7	1048.3	1054.3	1050.0
17.5°	1016.0	1021.1	1029.6	1018.5	1032.2	1034.7	1041.5	1033.0	1039.0	1034.7
20°	995.6	1000.7	1009.2	999.0	1012.6	1014.3	1021.9	1014.3	1020.2	1017.7
22.5°	971.7	977.7	986.2	976.8	991.3	991.3	1000.7	993.0	999.8	997.3
25°	947.1	953.9	963.2	953.0	968.3	968.3	978.5	970.9	977.7	976.0
27.5°	920.7	928.3	939.4	929.2	944.5	943.7	953.9	947.1	954.7	952.2
30°	892.6	901.1	912.2	903.7	919.8	918.1	928.3	922.4	929.2	928.3
32.5°	862.0	871.3	884.9	875.6	891.8	890.1	902.8	896.0	904.5	902.8
35°	831.3	841.6	855.2	846.7	864.5	862.0	874.7	868.8	877.3	876.4
37.5°	799.9	810.9	824.5	817.7	834.7	832.2	845.8	840.7	850.1	847.5
40°	767.5	778.6	793.1	787.1	805.0	801.6	816.0	811.8	821.1	819.4
42.5°	735.2	747.1	761.6	758.2	775.2	771.8	786.2	782.8	792.2	790.5
45°	702.0	714.8	730.1	726.7	744.5	741.1	755.6	753.1	762.4	761.6
47.5°	668.8	682.4	697.7	696.0	713.1	709.7	725.0	722.4	731.8	731.8
50°	634.8	650.1	665.4	664.6	681.6	678.2	691.8	691.8	702.0	701.2
52.5°	600.7	616.9	633.1	633.1	650.1	646.7	662.0	661.2	671.4	671.4
55°	568.4	582.9	599.0	602.4	618.6	613.5	629.7	631.4	639.9	640.7
57.5°	536.1	551.4	567.6	571.8	587.1	583.7	599.0	600.7	609.3	610.1
60°	503.7	518.2	534.4	540.3	555.6	552.2	567.6	569.3	578.6	579.5
62.5°	471.4	485.9	503.7	509.7	524.2	521.6	537.8	539.5	548.0	549.7
65°	439.9	455.2	472.3	480.8	494.4	491.0	507.1	508.8	518.2	519.1
67.5°	409.3	424.6	441.6	451.0	463.7	462.0	477.4	480.8	488.4	490.1
70°	379.5	394.8	412.7	422.1	434.8	434.0	448.4	451.0	459.5	460.3
72.5°	350.6	365.9	383.8	394.8	405.9	405.0	419.5	422.9	431.4	432.3
75°	322.5	338.7	355.7	367.6	378.7	377.8	392.3	395.7	403.3	404.2
77.5°	296.1	312.3	330.2	342.1	351.4	352.3	365.0	368.4	376.1	378.7
80°	271.4	286.8	303.8	316.5	325.0	326.8	338.7	342.9	348.9	352.3
82.5°	247.6	262.9	280.0	291.9	300.4	302.1	313.1	318.2	324.2	326.8
85°	224.6	240.0	256.1	268.9	276.5	277.4	288.5	293.6	298.7	302.9
87.5°	202.5	217.8	233.1	246.8	253.6	255.3	265.5	270.6	274.8	279.1
90°	180.4	195.7	211.0	223.8	230.6	231.4	242.5	247.6	251.9	255.3
92.5°	160.0	175.3	190.6	203.4	209.3	211.0	220.4	226.3	229.7	233.1
95°	140.4	155.7	169.3	182.9	188.9	191.5	200.0	205.1	209.3	211.0
97.5°	123.4	137.0	149.8	163.4	168.5	171.0	179.5	185.5	188.9	190.6
100°	107.2	120.0	131.9	144.7	149.8	152.3	160.0	165.1	168.5	171.0
102.5°	92.7	104.7	115.7	127.6	132.7	134.4	141.3	146.4	149.8	152.3
105°	80.0	91.0	101.3	112.3	116.6	119.1	125.1	129.3	132.7	134.4
107.5°	68.1	79.1	87.6	97.9	102.1	103.8	109.8	114.9	117.4	118.3
110°	57.9	67.2	75.7	84.2	89.3	91.0	96.2	100.4	103.0	103.8



TEST NUMBER: P894314
 CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	48.5	57.0	64.7	72.3	76.6	78.3	83.4	87.6	89.3	90.2
115°	40.0	48.5	54.5	62.1	65.5	67.2	71.5	75.7	76.6	78.3
117.5°	32.3	40.0	45.9	51.9	55.3	57.0	60.4	63.8	65.5	66.4
120°	26.4	32.3	37.4	43.4	45.9	47.7	51.1	54.5	55.3	56.2
122.5°	21.3	26.4	30.6	35.7	38.3	40.0	42.5	45.1	45.9	46.8
125°	16.2	21.3	24.7	28.9	31.5	32.3	34.9	37.4	38.3	39.1
127.5°	12.8	16.2	19.6	23.0	24.7	25.5	28.1	29.8	30.6	31.5
130°	9.4	11.9	14.5	17.9	19.6	20.4	22.1	23.8	24.7	24.7
132.5°	6.8	9.4	11.1	13.6	14.5	15.3	17.0	18.7	18.7	19.6
135°	4.3	6.0	7.7	9.4	11.1	11.1	12.8	13.6	14.5	14.5
137.5°	3.4	4.3	5.1	6.8	7.7	8.5	8.5	10.2	10.2	10.2
140°	2.6	3.4	3.4	4.3	5.1	6.0	6.0	6.8	6.8	6.8
142.5°	1.7	2.6	2.6	3.4	3.4	4.3	4.3	4.3	5.1	5.1
145°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	3.4	3.4	3.4
147.5°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6
150°	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7
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	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P894314
 CATALOG NUMBER: 4MB-SC3-RND-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	17.40	18.93	17.87	19.39	19.88	18.97	20.50	19.44	20.96	21.45
	3H	19.07	20.48	19.56	20.94	21.47	21.59	23.00	22.08	23.46	23.99
	4H	19.67	21.00	20.17	21.49	22.03	22.90	24.23	23.41	24.72	25.26
	6H	20.07	21.31	20.59	21.81	22.36	24.31	25.55	24.83	26.05	26.60
	8H	20.19	21.37	20.71	21.90	22.46	25.06	26.25	25.59	26.77	27.33
	12H	20.26	21.40	20.80	21.92	22.51	25.91	27.05	26.44	27.56	28.16
4H	2H	18.32	19.65	18.83	20.14	20.68	19.52	20.85	20.02	21.33	21.87
	3H	20.30	21.44	20.82	21.97	22.53	22.43	23.57	22.95	24.10	24.66
	4H	21.08	22.12	21.62	22.66	23.25	23.96	25.00	24.50	25.54	26.13
	6H	21.66	22.58	22.21	23.14	23.75	25.60	26.52	26.16	27.09	27.70
	8H	21.84	22.71	22.40	23.27	23.89	26.48	27.35	27.05	27.91	28.54
	12H	21.97	22.75	22.55	23.35	23.97	27.49	28.27	28.07	28.87	29.49
8H	4H	21.96	22.82	22.52	23.39	24.01	24.32	25.19	24.88	25.75	26.37
	6H	22.84	23.58	23.43	24.18	24.81	26.22	26.96	26.82	27.56	28.19
	8H	23.19	23.85	23.79	24.47	25.11	27.30	27.97	27.91	28.59	29.23
	12H	23.46	24.05	24.07	24.66	25.36	28.57	29.16	29.18	29.77	30.48
12H	4H	22.23	23.02	22.82	23.62	24.24	24.36	25.15	24.95	25.74	26.37
	6H	23.29	23.95	23.89	24.57	25.21	26.33	27.00	26.94	27.61	28.25
	8H	23.81	24.40	24.41	25.01	25.71	27.53	28.12	28.14	28.73	29.43