

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: P894202

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

Issue Date: 11/11/2024

**Test Information**

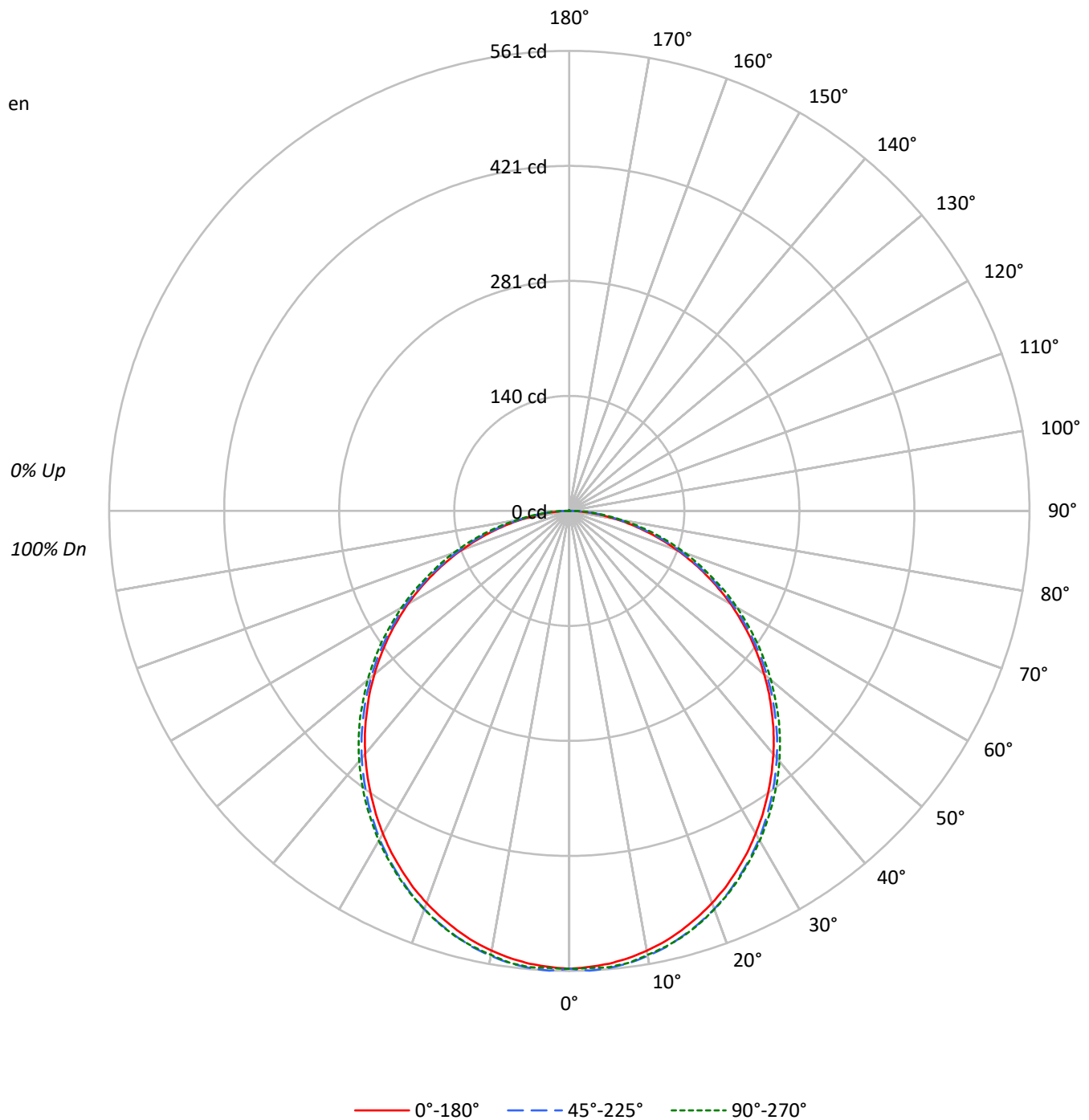
Test Method: LM-79-2019  
Report Number: P894202  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-FLT-UNV-CC93-LOW-4000K  
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 4000K CCT, LOW lum setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1550.0 lumens  
Efficiency: N/A  
Efficacy: 92.8 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): 16.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.9915  
Total Harmonic Distortion (THDi): 6.67573310469889  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-LOW-4000K

### 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°	3973	3973	3973
5°	3959	3997	3988
10°	3934	3981	3972
15°	3899	3950	3956
20°	3853	3912	3915
25°	3797	3857	3867
30°	3734	3798	3815
35°	3664	3728	3760
40°	3595	3656	3701
45°	3517	3574	3635
50°	3435	3489	3552
55°	3342	3393	3463
60°	3234	3287	3363
65°	3089	3152	3234
70°	2908	2994	3129
75°	2675	2788	2966
80°	2360	2544	2680
85°	2033	2335	2506

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 3635 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.8	3.4
10°-20°	150.5	9.7
20°-30°	225.5	14.6
30°-40°	268.3	17.3
40°-50°	275.3	17.8
50°-60°	246.7	15.9
60°-70°	187.4	12.1
70°-80°	108.9	7.0
80°-90°	32.7	2.1
90°-100°	0.8	0.0
100°-110°	0.1	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
<b>0°-30°</b>	<b>428.8</b>	<b>27.7</b>
<b>0°-40°</b>	<b>697.2</b>	<b>45.0</b>
<b>0°-60°</b>	<b>1219.2</b>	<b>78.7</b>
<b>0°-90°</b>	<b>1548.2</b>	<b>99.9</b>
90°-120°	0.9	0.1
90°-150°	1.4	0.1
<b>90°-180°</b>	<b>2.0</b>	<b>0.1</b>
<b>0°-180°</b>	<b>1550.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	558	558	558	558	558	
5°	554	564	560	557	558	53
15°	529	540	536	536	537	149
25°	484	495	491	490	493	223
35°	422	432	429	430	433	264
45°	350	358	355	358	361	270
55°	269	276	274	277	279	241
65°	184	188	187	190	192	182
75°	97	101	101	105	108	103
85°	25	27	29	31	31	27
90°	0	2	2	3	2	2
95°	0	0	0	1	1	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	1	1	1	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P894202  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-LOW-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	556.7	555.9	556.7	556.3	560.4	565.3	564.5	560.8	556.7	558.0	561.2
5°	554.3	553.9	555.1	554.3	558.4	563.7	562.0	558.8	555.1	556.3	559.6
7.5°	550.2	550.2	551.8	551.0	554.7	560.0	558.4	555.5	551.8	553.1	556.3
10°	544.5	544.9	546.9	545.7	549.0	554.7	553.1	550.2	546.9	547.7	551.0
12.5°	537.9	537.9	540.4	539.2	542.4	547.7	545.7	543.7	540.4	541.2	544.9
15°	529.3	529.8	532.6	531.4	534.3	539.6	537.5	535.9	533.0	533.4	536.3
17.5°	519.5	520.8	523.6	522.4	525.3	530.6	528.1	526.5	524.0	524.4	527.3
20°	508.9	510.1	513.0	512.2	514.2	519.5	517.1	516.3	513.8	514.2	516.7
22.5°	497.1	498.3	501.6	500.7	502.8	508.1	505.2	504.8	502.4	502.8	504.8
25°	483.6	485.2	488.9	488.1	489.7	494.6	492.1	491.3	489.7	489.7	491.3
27.5°	469.7	471.3	475.4	474.2	475.4	480.7	477.8	477.4	475.8	475.8	477.4
30°	454.5	456.2	460.7	459.4	460.7	465.2	462.3	462.7	461.1	461.1	462.3
32.5°	438.6	439.8	444.7	443.9	444.7	449.2	446.4	446.8	445.1	445.6	446.0
35°	421.8	423.1	428.4	427.6	428.0	432.1	430.0	430.0	428.8	428.4	429.2
37.5°	404.7	405.9	412.4	410.4	410.4	414.5	412.9	412.9	411.6	411.2	411.6
40°	387.1	387.9	394.9	392.8	392.4	396.1	394.9	394.9	394.0	393.2	393.6
42.5°	368.7	369.9	376.9	375.2	373.6	377.7	376.5	376.9	375.7	374.8	374.8
45°	349.5	350.7	357.7	356.8	354.4	358.1	356.8	357.7	356.0	355.2	355.2
47.5°	330.3	331.9	338.5	337.2	334.8	338.5	337.2	338.0	336.4	335.6	335.6
50°	310.3	311.9	318.8	316.8	314.3	318.0	317.2	317.6	316.4	315.6	315.2
52.5°	289.8	291.9	298.4	295.9	293.9	297.2	296.8	297.2	295.5	295.1	294.7
55°	269.4	271.4	277.5	274.7	273.1	275.9	275.1	275.9	274.3	273.9	273.5
57.5°	248.1	250.2	255.9	253.0	251.8	254.3	253.8	254.3	253.0	252.6	252.2
60°	227.3	228.9	234.2	231.4	230.1	232.6	231.8	233.0	231.4	231.4	231.0
62.5°	205.2	207.2	212.6	209.3	208.5	210.5	209.7	210.9	210.1	209.3	208.9
65°	183.5	184.8	189.7	186.8	185.6	188.0	187.6	188.4	187.2	187.6	187.2
67.5°	161.9	162.7	167.6	164.3	163.5	166.0	166.4	166.0	165.1	165.5	165.1
70°	139.8	140.6	144.7	141.8	141.4	143.5	144.3	143.9	143.1	143.5	143.9
72.5°	118.5	118.9	122.6	120.2	119.8	122.2	122.2	122.2	122.2	122.2	123.0
75°	97.3	97.7	101.0	98.9	98.5	101.0	101.0	101.0	101.0	101.8	101.4
77.5°	76.8	76.4	79.7	78.5	77.7	80.1	80.1	80.5	81.3	82.2	80.9
80°	57.6	57.2	59.7	58.0	58.0	60.5	60.1	60.5	61.3	61.7	62.1
82.5°	40.5	39.6	41.7	41.3	40.9	42.9	43.3	42.9	44.1	44.6	44.6
85°	24.9	24.9	26.2	25.3	25.3	27.0	27.0	27.4	28.2	28.6	28.6
87.5°	11.9	11.4	12.7	12.3	11.9	13.1	13.1	13.5	13.9	14.3	13.9
90°	0.4	0.4	0.8	0.8	0.8	1.6	1.6	1.6	2.0	2.0	1.6
92.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
95°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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	0.4



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CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-LOW-4000K

**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	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
132.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
135°	0.0	0.4	0.4	0.4	0.4	0.0	0.4	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
145°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
147.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	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	0.8
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	556.3	553.5	552.2	553.1	558.8	553.1	559.2	561.2	553.9	558.0
5°	554.7	551.8	550.2	551.0	556.7	551.4	558.0	560.4	554.3	558.4
7.5°	551.4	548.2	547.3	548.6	553.5	549.0	555.5	558.0	551.8	555.9
10°	546.5	543.7	542.8	544.1	548.6	544.1	549.8	551.8	546.1	549.8
12.5°	540.4	537.5	536.7	538.3	542.4	538.3	544.1	546.1	540.4	544.1
15°	532.6	529.8	529.3	531.8	535.5	531.8	537.5	539.2	533.4	537.1
17.5°	523.2	520.4	520.8	523.6	526.5	523.2	528.5	530.2	524.9	527.7
20°	513.0	509.7	510.5	513.0	515.4	512.2	517.5	519.1	514.2	517.1
22.5°	501.1	497.9	498.7	501.6	503.2	500.3	505.2	506.9	502.8	505.6
25°	488.1	485.2	486.4	489.3	490.5	488.1	492.6	493.8	490.1	492.6
27.5°	475.0	471.7	473.3	476.2	477.0	474.6	479.1	479.9	476.2	478.7
30°	460.3	457.0	459.0	462.3	462.3	460.7	464.4	465.2	462.3	464.4
32.5°	443.9	441.5	443.9	446.8	446.4	445.1	448.8	449.6	447.2	448.8
35°	427.6	425.5	428.0	430.8	430.4	429.2	432.9	433.3	431.2	432.9
37.5°	410.8	409.2	411.6	414.1	413.3	412.4	415.7	415.7	414.5	416.1
40°	393.6	392.0	394.0	396.9	395.3	395.3	397.3	398.1	396.9	398.5
42.5°	375.7	374.0	376.5	378.9	377.3	376.9	379.3	379.7	378.9	380.1
45°	356.8	355.2	357.7	359.7	358.1	358.1	360.1	360.1	359.7	361.3
47.5°	337.6	336.4	338.5	340.5	338.9	340.1	340.1	340.1	340.9	340.5
50°	318.0	316.8	318.4	320.9	318.8	319.2	320.1	320.1	320.5	320.9
52.5°	297.6	295.9	297.6	300.4	297.6	298.8	299.2	299.6	300.8	300.0
55°	277.1	275.5	277.1	279.6	276.7	278.4	278.4	278.8	280.0	279.2
57.5°	255.9	254.3	256.7	258.3	255.5	257.1	257.1	257.9	258.7	257.5
60°	234.6	233.4	234.2	237.1	234.2	235.9	235.9	235.9	237.5	236.3
62.5°	213.0	212.1	213.0	215.4	212.6	214.2	213.8	214.2	215.8	215.4
65°	190.9	190.1	190.9	193.3	190.5	192.1	192.1	192.5	193.8	192.1
67.5°	169.2	168.0	169.2	171.3	168.8	170.0	170.0	170.0	172.1	171.3
70°	147.2	146.3	147.2	149.2	147.2	148.0	148.0	148.0	150.0	150.4
72.5°	125.5	125.5	126.3	127.9	126.3	127.9	126.7	125.9	128.8	129.2
75°	104.2	104.6	105.1	106.7	105.1	106.7	105.9	105.1	107.5	107.9
77.5°	84.6	84.6	85.0	86.2	85.0	86.2	85.4	85.4	87.1	86.7
80°	64.6	64.6	65.0	66.2	65.0	66.2	65.4	65.4	67.0	65.4
82.5°	47.0	47.0	47.0	48.2	47.4	48.2	47.8	47.0	49.1	47.4
85°	30.2	30.7	30.7	31.1	30.7	31.1	31.1	30.7	31.9	30.7
87.5°	15.5	15.5	15.5	15.9	15.5	15.5	15.9	15.5	16.4	15.9
90°	2.9	2.5	2.5	3.3	2.9	2.9	3.3	2.5	2.9	2.5
92.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6
95°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
97.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
100°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
102.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
105°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
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	0.4	0.0	0.0	0.0	0.4





TEST NUMBER: P894202  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-LOW-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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.4	0.4	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°	0.4	0.4	0.4	0.4	0.0	0.4	0.0	0.0	0.0	0.0
140°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
145°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
147.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P894202  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-LOW-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	16.30	17.94	16.67	18.25	18.57	16.44	18.07	16.80	18.39	18.71
	3H	18.12	19.60	18.50	19.93	20.30	18.27	19.75	18.65	20.08	20.44
	4H	18.78	20.18	19.18	20.53	20.91	18.98	20.37	19.38	20.72	21.10
	6H	19.24	20.53	19.65	20.90	21.29	19.53	20.83	19.95	21.19	21.59
	8H	19.38	20.61	19.80	21.00	21.40	19.73	20.96	20.15	21.36	21.76
	12H	19.47	20.66	19.90	21.04	21.47	19.87	21.06	20.30	21.44	21.87
4H	2H	16.93	18.33	17.33	18.68	19.06	17.04	18.44	17.44	18.79	19.16
	3H	18.97	20.15	19.39	20.55	20.95	19.11	20.28	19.52	20.68	21.08
	4H	19.77	20.83	20.20	21.24	21.68	19.95	21.01	20.39	21.43	21.87
	6H	20.34	21.27	20.80	21.71	22.17	20.65	21.57	21.10	22.02	22.47
	8H	20.53	21.40	20.99	21.85	22.31	20.89	21.76	21.35	22.20	22.67
	12H	20.68	21.46	21.16	21.93	22.41	21.08	21.87	21.57	22.34	22.82
8H	4H	20.10	20.97	20.56	21.41	21.88	20.26	21.13	20.72	21.58	22.04
	6H	20.80	21.52	21.29	22.01	22.49	21.09	21.81	21.58	22.30	22.78
	8H	21.06	21.71	21.57	22.22	22.71	21.42	22.07	21.93	22.58	23.06
	12H	21.28	21.85	21.79	22.35	22.91	21.70	22.28	22.21	22.77	23.33
12H	4H	20.14	20.92	20.62	21.40	21.87	20.29	21.08	20.78	21.55	22.03
	6H	20.87	21.52	21.38	22.03	22.52	21.14	21.80	21.65	22.30	22.79
	8H	21.20	21.77	21.70	22.26	22.83	21.54	22.11	22.05	22.61	23.17