

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: P894194

Luminaire Tested: 4MB-SC3-FLT-UNV-CC83-LOW-5000K

Issue Date: 11/11/2024

**Test Information**

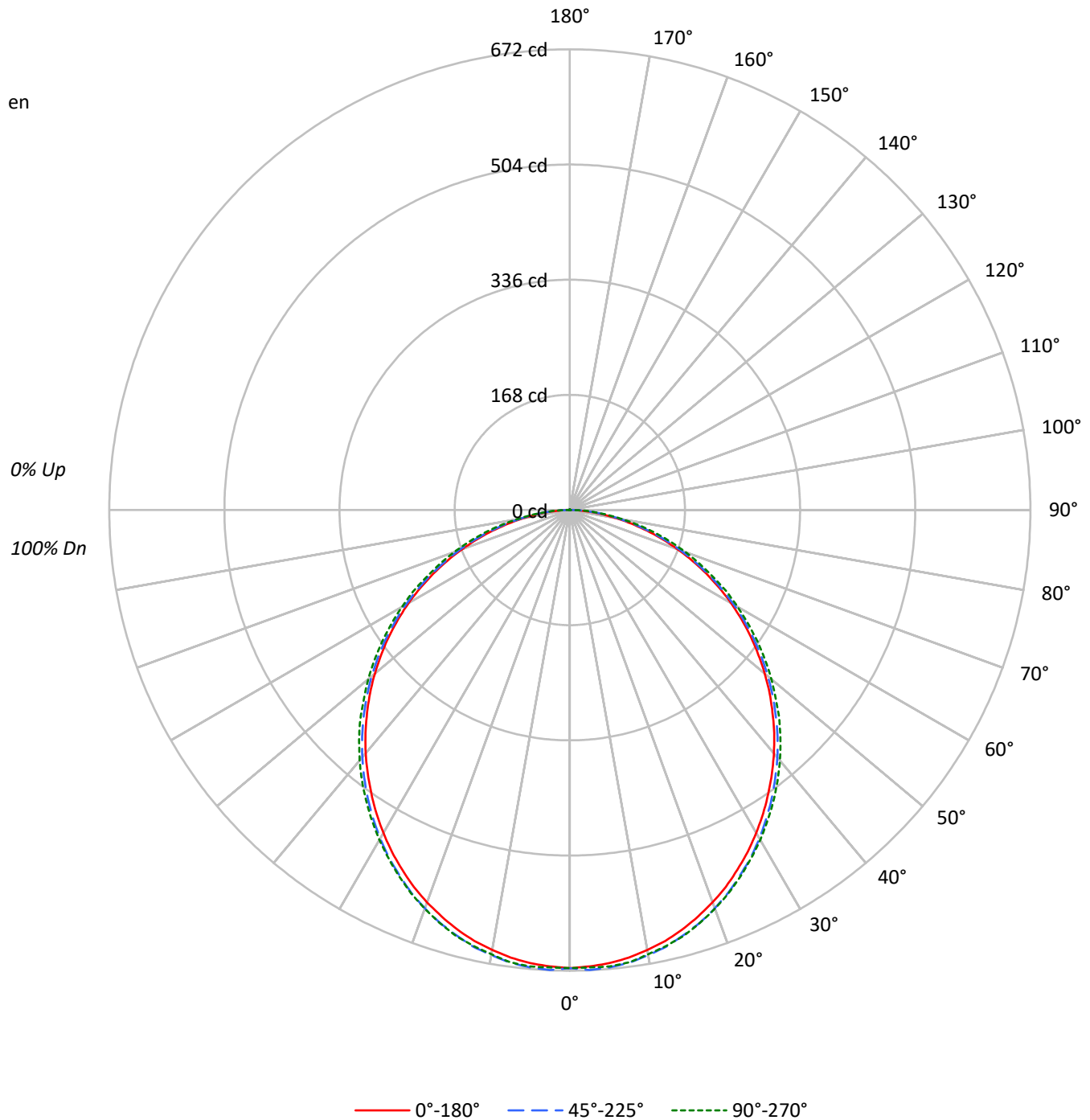
Test Method: LM-79-2019  
Report Number: P894194  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-FLT-UNV-CC83-LOW-5000K  
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 5000K CCT, LOW lum setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1855.0 lumens  
Efficiency: N/A  
Efficacy: 111.1 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-CC83-LOW-5000K

### 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°	4754	4754	4754
5°	4738	4783	4772
10°	4708	4764	4754
15°	4666	4727	4735
20°	4611	4682	4685
25°	4543	4616	4628
30°	4469	4546	4565
35°	4385	4462	4500
40°	4303	4376	4430
45°	4209	4277	4351
50°	4110	4175	4250
55°	3999	4060	4144
60°	3871	3933	4024
65°	3697	3773	3870
70°	3480	3582	3745
75°	3200	3335	3549
80°	2827	3048	3208
85°	2433	2792	2996

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4351 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.2	3.4
10°-20°	180.1	9.7
20°-30°	269.9	14.5
30°-40°	321.1	17.3
40°-50°	329.5	17.8
50°-60°	295.2	15.9
60°-70°	224.3	12.1
70°-80°	130.4	7.0
80°-90°	39.1	2.1
90°-100°	0.9	0.1
100°-110°	0.2	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	513.2	27.7
0°-40°	834.3	45.0
0°-60°	1459.1	78.7
0°-90°	1852.9	99.9
90°-120°	1.1	0.1
90°-150°	1.7	0.1
90°-180°	2.0	0.1
0°-180°	1855.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	668	668	668	668	668	
5°	663	675	670	666	668	63
15°	634	646	642	641	643	179
25°	579	592	588	587	590	267
35°	505	517	514	515	518	316
45°	418	428	425	428	432	323
55°	322	330	327	331	334	288
65°	220	225	224	228	230	217
75°	116	121	121	126	129	124
85°	30	32	34	37	37	33
90°	0	2	2	3	3	2
95°	0	0	0	1	2	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	668.2	668.2	668.2	668.2	668.2	668.2	668.2	668.2	668.2	668.2	668.2
2.5°	666.3	665.3	666.3	665.8	670.7	676.6	675.6	671.2	666.3	667.8	671.7
5°	663.4	662.9	664.3	663.4	668.2	674.6	672.6	668.7	664.3	665.8	669.7
7.5°	658.5	658.5	660.4	659.4	663.8	670.2	668.2	664.8	660.4	661.9	665.8
10°	651.6	652.1	654.5	653.1	657.0	663.8	661.9	658.5	654.5	655.5	659.4
12.5°	643.8	643.8	646.7	645.2	649.2	655.5	653.1	650.6	646.7	647.7	652.1
15°	633.5	634.0	637.4	636.0	639.4	645.7	643.3	641.3	637.9	638.4	641.8
17.5°	621.8	623.2	626.7	625.2	628.6	635.0	632.0	630.1	627.1	627.6	631.1
20°	609.0	610.5	613.9	613.0	615.4	621.8	618.8	617.9	614.9	615.4	618.3
22.5°	594.9	596.3	600.2	599.3	601.7	608.1	604.6	604.2	601.2	601.7	604.2
25°	578.7	580.7	585.1	584.1	586.1	591.9	589.0	588.0	586.1	586.1	588.0
27.5°	562.1	564.0	568.9	567.5	568.9	575.3	571.9	571.4	569.4	569.4	571.4
30°	544.0	545.9	551.3	549.9	551.3	556.7	553.3	553.8	551.8	551.8	553.3
32.5°	524.9	526.4	532.2	531.3	532.2	537.6	534.2	534.7	532.7	533.2	533.7
35°	504.9	506.3	512.7	511.7	512.2	517.1	514.6	514.6	513.2	512.7	513.7
37.5°	484.3	485.8	493.6	491.2	491.2	496.0	494.1	494.1	492.6	492.1	492.6
40°	463.3	464.2	472.6	470.1	469.6	474.0	472.6	472.6	471.6	470.6	471.1
42.5°	441.3	442.7	451.0	449.1	447.1	452.0	450.5	451.0	449.6	448.6	448.6
45°	418.3	419.7	428.0	427.1	424.1	428.5	427.1	428.0	426.1	425.1	425.1
47.5°	395.3	397.2	405.1	403.6	400.7	405.1	403.6	404.6	402.6	401.6	401.6
50°	371.3	373.3	381.6	379.1	376.2	380.6	379.6	380.1	378.6	377.7	377.2
52.5°	346.8	349.3	357.1	354.2	351.7	355.6	355.2	355.6	353.7	353.2	352.7
55°	322.4	324.8	332.2	328.7	326.8	330.2	329.2	330.2	328.3	327.8	327.3
57.5°	296.9	299.4	306.2	302.8	301.3	304.3	303.8	304.3	302.8	302.3	301.8
60°	272.0	273.9	280.3	276.9	275.4	278.4	277.4	278.8	276.9	276.9	276.4
62.5°	245.6	248.0	254.4	250.5	249.5	251.9	251.0	252.4	251.4	250.5	250.0
65°	219.6	221.1	227.0	223.6	222.1	225.0	224.5	225.5	224.1	224.5	224.1
67.5°	193.7	194.7	200.6	196.7	195.7	198.6	199.1	198.6	197.6	198.1	197.6
70°	167.3	168.3	173.2	169.8	169.3	171.7	172.7	172.2	171.2	171.7	172.2
72.5°	141.9	142.4	146.8	143.8	143.3	146.3	146.3	146.3	146.3	146.3	147.2
75°	116.4	116.9	120.8	118.4	117.9	120.8	120.8	120.8	120.8	121.8	121.3
77.5°	92.0	91.5	95.4	93.9	92.9	95.9	95.9	96.4	97.4	98.3	96.9
80°	69.0	68.5	71.4	69.5	69.5	72.4	71.9	72.4	73.4	73.9	74.4
82.5°	48.4	47.5	49.9	49.4	48.9	51.4	51.9	51.4	52.8	53.3	53.3
85°	29.8	29.8	31.3	30.3	30.3	32.3	32.3	32.8	33.8	34.2	34.2
87.5°	14.2	13.7	15.2	14.7	14.2	15.7	15.7	16.1	16.6	17.1	16.6
90°	0.5	0.5	1.0	1.0	1.0	2.0	2.0	2.0	2.4	2.4	2.0
92.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
95°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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	0.5



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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	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5
132.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
135°	0.0	0.5	0.5	0.5	0.5	0.0	0.5	0.0	0.0	0.0	0.5
137.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
140°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
142.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
152.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
165°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
170°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
175°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	668.2	668.2	668.2	668.2	668.2	668.2	668.2	668.2	668.2	668.2
2.5°	665.8	662.4	660.9	661.9	668.7	661.9	669.2	671.7	662.9	667.8
5°	663.8	660.4	658.5	659.4	666.3	659.9	667.8	670.7	663.4	668.2
7.5°	659.9	656.0	655.0	656.5	662.4	657.0	664.8	667.8	660.4	665.3
10°	654.1	650.6	649.7	651.1	656.5	651.1	658.0	660.4	653.6	658.0
12.5°	646.7	643.3	642.3	644.3	649.2	644.3	651.1	653.6	646.7	651.1
15°	637.4	634.0	633.5	636.4	640.8	636.4	643.3	645.2	638.4	642.8
17.5°	626.2	622.7	623.2	626.7	630.1	626.2	632.5	634.5	628.1	631.6
20°	613.9	610.0	611.0	613.9	616.9	613.0	619.3	621.3	615.4	618.8
22.5°	599.8	595.8	596.8	600.2	602.2	598.8	604.6	606.6	601.7	605.1
25°	584.1	580.7	582.1	585.6	587.0	584.1	589.5	590.9	586.5	589.5
27.5°	568.4	564.5	566.5	569.9	570.9	568.0	573.3	574.3	569.9	572.8
30°	550.8	546.9	549.4	553.3	553.3	551.3	555.7	556.7	553.3	555.7
32.5°	531.3	528.3	531.3	534.7	534.2	532.7	537.1	538.1	535.2	537.1
35°	511.7	509.3	512.2	515.6	515.1	513.7	518.1	518.5	516.1	518.1
37.5°	491.6	489.7	492.6	495.6	494.6	493.6	497.5	497.5	496.0	498.0
40°	471.1	469.1	471.6	475.0	473.1	473.1	475.5	476.5	475.0	477.0
42.5°	449.6	447.6	450.5	453.5	451.5	451.0	454.0	454.5	453.5	455.0
45°	427.1	425.1	428.0	430.5	428.5	428.5	431.0	431.0	430.5	432.4
47.5°	404.1	402.6	405.1	407.5	405.5	407.0	407.0	407.0	408.0	407.5
50°	380.6	379.1	381.1	384.0	381.6	382.1	383.0	383.0	383.5	384.0
52.5°	356.1	354.2	356.1	359.6	356.1	357.6	358.1	358.6	360.0	359.1
55°	331.7	329.7	331.7	334.6	331.2	333.1	333.1	333.6	335.1	334.1
57.5°	306.2	304.3	307.2	309.2	305.7	307.7	307.7	308.7	309.7	308.2
60°	280.8	279.3	280.3	283.7	280.3	282.3	282.3	282.3	284.2	282.8
62.5°	254.9	253.9	254.9	257.8	254.4	256.3	255.8	256.3	258.3	257.8
65°	228.5	227.5	228.5	231.4	228.0	229.9	229.9	230.4	231.9	229.9
67.5°	202.5	201.1	202.5	205.0	202.0	203.5	203.5	203.5	206.0	205.0
70°	176.1	175.1	176.1	178.6	176.1	177.1	177.1	177.1	179.5	180.0
72.5°	150.2	150.2	151.2	153.1	151.2	153.1	151.7	150.7	154.1	154.6
75°	124.7	125.2	125.7	127.7	125.7	127.7	126.7	125.7	128.7	129.1
77.5°	101.3	101.3	101.8	103.2	101.8	103.2	102.2	102.2	104.2	103.7
80°	77.3	77.3	77.8	79.2	77.8	79.2	78.3	78.3	80.2	78.3
82.5°	56.3	56.3	56.3	57.7	56.7	57.7	57.2	56.3	58.7	56.7
85°	36.2	36.7	36.7	37.2	36.7	37.2	37.2	36.7	38.2	36.7
87.5°	18.6	18.6	18.6	19.1	18.6	18.6	19.1	18.6	19.6	19.1
90°	3.4	2.9	2.9	3.9	3.4	3.4	3.9	2.9	3.4	2.9
92.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
97.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
100°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
102.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
105°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5
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	0.5	0.0	0.0	0.0	0.5





TEST NUMBER: P894194  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-LOW-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	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.5	0.5	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°	0.5	0.5	0.5	0.5	0.0	0.5	0.0	0.0	0.0	0.0
140°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
142.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
145°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
152.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
165°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
170°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
175°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
177.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P894194  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-LOW-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	16.92	18.56	17.29	18.88	19.19	17.06	18.70	17.43	19.01	19.33
	3H	18.75	20.23	19.13	20.56	20.92	18.89	20.37	19.27	20.70	21.06
	4H	19.41	20.80	19.81	21.15	21.53	19.60	21.00	20.00	21.35	21.72
	6H	19.86	21.15	20.27	21.52	21.91	20.16	21.45	20.57	21.82	22.21
	8H	20.00	21.24	20.43	21.63	22.03	20.35	21.59	20.78	21.98	22.38
	12H	20.10	21.28	20.53	21.66	22.10	20.49	21.68	20.92	22.06	22.49
4H	2H	17.56	18.95	17.96	19.30	19.68	17.67	19.06	18.07	19.41	19.79
	3H	19.60	20.77	20.01	21.17	21.57	19.73	20.90	20.14	21.30	21.71
	4H	20.39	21.45	20.82	21.87	22.31	20.58	21.64	21.01	22.05	22.49
	6H	20.97	21.90	21.42	22.34	22.80	21.27	22.20	21.72	22.64	23.10
	8H	21.16	22.03	21.62	22.47	22.94	21.51	22.38	21.98	22.83	23.30
	12H	21.30	22.08	21.78	22.56	23.03	21.71	22.49	22.19	22.97	23.44
8H	4H	20.72	21.59	21.18	22.03	22.50	20.89	21.76	21.35	22.20	22.67
	6H	21.42	22.15	21.92	22.64	23.11	21.71	22.44	22.21	22.93	23.40
	8H	21.69	22.34	22.20	22.85	23.33	22.04	22.69	22.55	23.20	23.69
	12H	21.90	22.48	22.41	22.97	23.53	22.33	22.90	22.83	23.39	23.96
12H	4H	20.76	21.55	21.25	22.02	22.50	20.92	21.70	21.40	22.18	22.65
	6H	21.49	22.15	22.00	22.65	23.14	21.77	22.42	22.28	22.93	23.42
	8H	21.82	22.40	22.33	22.89	23.45	22.16	22.74	22.67	23.23	23.79