

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: P893283

Luminaire Tested: 4MB-2SL-FLT-UNV-L840

Issue Date: 11/11/2024

**Test Information**

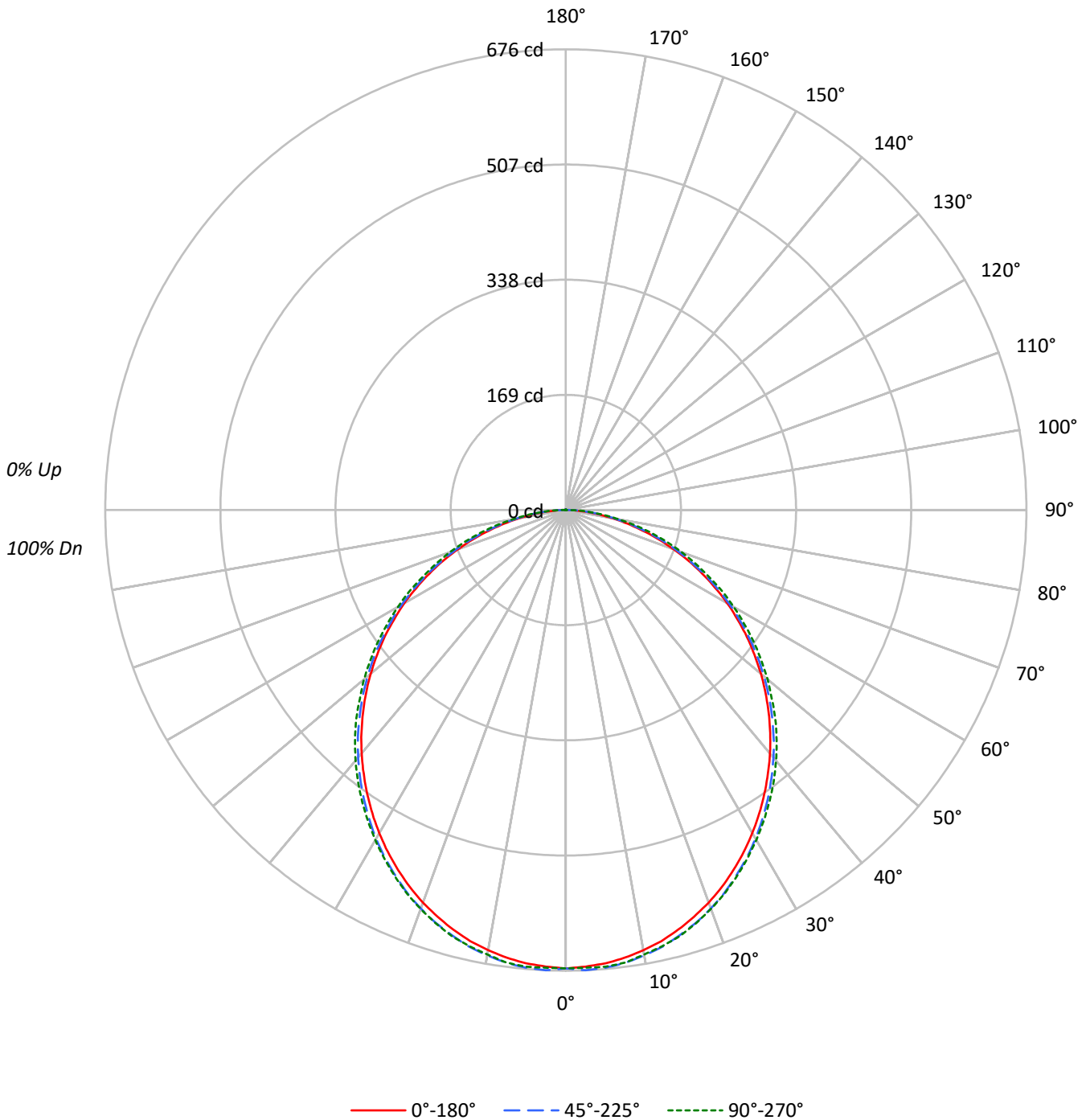
Test Method: LM-79-2019  
Report Number: P893283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-2SL-FLT-UNV-L840  
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 4000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1867.0 lumens  
Efficiency: N/A  
Efficacy: 135.3 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): 13.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.92  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P893283  
CATALOG NUMBER: 4MB-2SL-FLT-UNV-L840

### 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°	4786	4786	4786
5°	4768	4814	4804
10°	4738	4795	4784
15°	4697	4758	4766
20°	4641	4712	4716
25°	4573	4646	4658
30°	4498	4575	4595
35°	4413	4491	4529
40°	4331	4403	4459
45°	4236	4306	4379
50°	4136	4202	4278
55°	4025	4086	4172
60°	3896	3959	4050
65°	3722	3796	3896
70°	3503	3605	3769
75°	3222	3357	3574
80°	2844	3065	3229
85°	2449	2816	3012

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4379 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.6	3.4
10°-20°	181.3	9.7
20°-30°	271.6	14.5
30°-40°	323.2	17.3
40°-50°	331.7	17.8
50°-60°	297.1	15.9
60°-70°	225.8	12.1
70°-80°	131.2	7.0
80°-90°	39.4	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°	516.5	27.7
0°-40°	839.8	45.0
0°-60°	1468.5	78.7
0°-90°	1864.9	99.9
90°-120°	1.1	0.1
90°-150°	1.7	0.1
90°-180°	2.0	0.1
0°-180°	1867.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	673	673	673	673	673	
5°	668	679	674	671	673	63
15°	638	650	646	645	647	180
25°	582	596	592	591	593	268
35°	508	520	517	518	521	318
45°	421	431	428	431	435	325
55°	324	332	329	333	336	290
65°	221	226	226	229	231	219
75°	117	122	122	126	130	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



TEST NUMBER: P893283  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	670.6	669.6	670.6	670.1	675.0	680.9	680.0	675.5	670.6	672.1	676.0
5°	667.6	667.1	668.6	667.6	672.6	679.0	677.0	673.1	668.6	670.1	674.0
7.5°	662.7	662.7	664.7	663.7	668.1	674.5	672.6	669.1	664.7	666.2	670.1
10°	655.8	656.3	658.8	657.3	661.2	668.1	666.2	662.7	658.8	659.8	663.7
12.5°	647.9	647.9	650.9	649.4	653.4	659.8	657.3	654.8	650.9	651.9	656.3
15°	637.6	638.1	641.5	640.1	643.5	649.9	647.5	645.5	642.0	642.5	646.0
17.5°	625.8	627.3	630.7	629.2	632.7	639.1	636.1	634.2	631.2	631.7	635.1
20°	613.0	614.5	617.9	616.9	619.4	625.8	622.8	621.9	618.9	619.4	622.3
22.5°	598.7	600.2	604.1	603.1	605.6	612.0	608.6	608.1	605.1	605.6	608.1
25°	582.5	584.4	588.9	587.9	589.8	595.8	592.8	591.8	589.8	589.8	591.8
27.5°	565.7	567.7	572.6	571.1	572.6	579.0	575.6	575.1	573.1	573.1	575.1
30°	547.5	549.5	554.9	553.4	554.9	560.3	556.9	557.4	555.4	555.4	556.9
32.5°	528.3	529.8	535.7	534.7	535.7	541.1	537.7	538.2	536.2	536.7	537.2
35°	508.1	509.6	516.0	515.0	515.5	520.4	518.0	518.0	516.5	516.0	517.0
37.5°	487.4	488.9	496.8	494.3	494.3	499.3	497.3	497.3	495.8	495.3	495.8
40°	466.3	467.3	475.6	473.2	472.7	477.1	475.6	475.6	474.6	473.7	474.1
42.5°	444.1	445.6	454.0	452.0	450.0	454.9	453.5	454.0	452.5	451.5	451.5
45°	421.0	422.4	430.8	429.8	426.9	431.3	429.8	430.8	428.8	427.9	427.9
47.5°	397.8	399.8	407.7	406.2	403.2	407.7	406.2	407.2	405.2	404.2	404.2
50°	373.7	375.7	384.0	381.6	378.6	383.1	382.1	382.6	381.1	380.1	379.6
52.5°	349.1	351.5	359.4	356.5	354.0	357.9	357.5	357.9	356.0	355.5	355.0
55°	324.5	326.9	334.3	330.9	328.9	332.3	331.4	332.3	330.4	329.9	329.4
57.5°	298.9	301.3	308.2	304.8	303.3	306.2	305.8	306.2	304.8	304.3	303.8
60°	273.8	275.7	282.1	278.7	277.2	280.2	279.2	280.6	278.7	278.7	278.2
62.5°	247.2	249.6	256.0	252.1	251.1	253.6	252.6	254.1	253.1	252.1	251.6
65°	221.1	222.5	228.5	225.0	223.5	226.5	226.0	227.0	225.5	226.0	225.5
67.5°	195.0	196.0	201.9	197.9	196.9	199.9	200.4	199.9	198.9	199.4	198.9
70°	168.4	169.4	174.3	170.8	170.4	172.8	173.8	173.3	172.3	172.8	173.3
72.5°	142.8	143.3	147.7	144.8	144.3	147.2	147.2	147.2	147.2	147.2	148.2
75°	117.2	117.7	121.6	119.2	118.7	121.6	121.6	121.6	121.6	122.6	122.1
77.5°	92.6	92.1	96.0	94.5	93.5	96.5	96.5	97.0	98.0	99.0	97.5
80°	69.4	68.9	71.9	69.9	69.9	72.9	72.4	72.9	73.9	74.3	74.8
82.5°	48.7	47.8	50.2	49.7	49.2	51.7	52.2	51.7	53.2	53.7	53.7
85°	30.0	30.0	31.5	30.5	30.5	32.5	32.5	33.0	34.0	34.5	34.5
87.5°	14.3	13.8	15.3	14.8	14.3	15.8	15.8	16.2	16.7	17.2	16.7
90°	0.5	0.5	1.0	1.0	1.0	2.0	2.0	2.0	2.5	2.5	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°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	670.1	666.7	665.2	666.2	673.1	666.2	673.5	676.0	667.1	672.1
5°	668.1	664.7	662.7	663.7	670.6	664.2	672.1	675.0	667.6	672.6
7.5°	664.2	660.3	659.3	660.7	666.7	661.2	669.1	672.1	664.7	669.6
10°	658.3	654.8	653.9	655.3	660.7	655.3	662.2	664.7	657.8	662.2
12.5°	650.9	647.5	646.5	648.4	653.4	648.4	655.3	657.8	650.9	655.3
15°	641.5	638.1	637.6	640.6	645.0	640.6	647.5	649.4	642.5	647.0
17.5°	630.2	626.8	627.3	630.7	634.2	630.2	636.6	638.6	632.2	635.6
20°	617.9	614.0	615.0	617.9	620.9	616.9	623.3	625.3	619.4	622.8
22.5°	603.6	599.7	600.7	604.1	606.1	602.6	608.6	610.5	605.6	609.1
25°	587.9	584.4	585.9	589.4	590.8	587.9	593.3	594.8	590.3	593.3
27.5°	572.1	568.2	570.2	573.6	574.6	571.6	577.0	578.0	573.6	576.6
30°	554.4	550.5	552.9	556.9	556.9	554.9	559.3	560.3	556.9	559.3
32.5°	534.7	531.7	534.7	538.2	537.7	536.2	540.6	541.6	538.6	540.6
35°	515.0	512.5	515.5	518.9	518.5	517.0	521.4	521.9	519.4	521.4
37.5°	494.8	492.9	495.8	498.8	497.8	496.8	500.7	500.7	499.3	501.2
40°	474.1	472.2	474.6	478.1	476.1	476.1	478.6	479.6	478.1	480.1
42.5°	452.5	450.5	453.5	456.4	454.4	454.0	456.9	457.4	456.4	457.9
45°	429.8	427.9	430.8	433.3	431.3	431.3	433.8	433.8	433.3	435.2
47.5°	406.7	405.2	407.7	410.1	408.2	409.6	409.6	409.6	410.6	410.1
50°	383.1	381.6	383.5	386.5	384.0	384.5	385.5	385.5	386.0	386.5
52.5°	358.4	356.5	358.4	361.9	358.4	359.9	360.4	360.9	362.4	361.4
55°	333.8	331.9	333.8	336.8	333.3	335.3	335.3	335.8	337.3	336.3
57.5°	308.2	306.2	309.2	311.2	307.7	309.7	309.7	310.7	311.7	310.2
60°	282.6	281.1	282.1	285.6	282.1	284.1	284.1	284.1	286.1	284.6
62.5°	256.5	255.5	256.5	259.5	256.0	258.0	257.5	258.0	260.0	259.5
65°	229.9	228.9	229.9	232.9	229.4	231.4	231.4	231.9	233.4	231.4
67.5°	203.8	202.4	203.8	206.3	203.3	204.8	204.8	204.8	207.3	206.3
70°	177.2	176.3	177.2	179.7	177.2	178.2	178.2	178.2	180.7	181.2
72.5°	151.2	151.2	152.1	154.1	152.1	154.1	152.6	151.6	155.1	155.6
75°	125.6	126.0	126.5	128.5	126.5	128.5	127.5	126.5	129.5	130.0
77.5°	101.9	101.9	102.4	103.9	102.4	103.9	102.9	102.9	104.9	104.4
80°	77.8	77.8	78.3	79.8	78.3	79.8	78.8	78.8	80.7	78.8
82.5°	56.6	56.6	56.6	58.1	57.1	58.1	57.6	56.6	59.1	57.1
85°	36.4	36.9	36.9	37.4	36.9	37.4	37.4	36.9	38.4	36.9
87.5°	18.7	18.7	18.7	19.2	18.7	18.7	19.2	18.7	19.7	19.2
90°	3.4	3.0	3.0	3.9	3.4	3.4	3.9	3.0	3.4	3.0
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: P893283  
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L840

**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: P893283  
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**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	16.95	18.58	17.31	18.90	19.22	17.08	18.72	17.45	19.04	19.35
	3H	18.77	20.25	19.15	20.58	20.94	18.91	20.40	19.29	20.72	21.09
	4H	19.43	20.83	19.83	21.18	21.55	19.62	21.02	20.02	21.37	21.75
	6H	19.88	21.18	20.30	21.54	21.94	20.18	21.47	20.59	21.84	22.23
	8H	20.02	21.26	20.45	21.65	22.05	20.37	21.61	20.80	22.00	22.40
	12H	20.12	21.30	20.55	21.69	22.12	20.52	21.70	20.95	22.08	22.52
4H	2H	17.58	18.98	17.98	19.33	19.70	17.69	19.08	18.09	19.43	19.81
	3H	19.62	20.79	20.03	21.19	21.59	19.75	20.93	20.17	21.33	21.73
	4H	20.41	21.48	20.85	21.89	22.33	20.60	21.66	21.03	22.08	22.51
	6H	20.99	21.92	21.44	22.36	22.82	21.29	22.22	21.75	22.66	23.12
	8H	21.18	22.05	21.64	22.49	22.96	21.54	22.41	22.00	22.85	23.32
	12H	21.32	22.10	21.80	22.58	23.05	21.73	22.51	22.21	22.99	23.46
8H	4H	20.74	21.61	21.20	22.06	22.52	20.91	21.78	21.37	22.22	22.69
	6H	21.45	22.17	21.94	22.66	23.14	21.73	22.46	22.23	22.95	23.43
	8H	21.71	22.36	22.22	22.87	23.36	22.07	22.72	22.58	23.22	23.71
	12H	21.92	22.50	22.43	22.99	23.55	22.35	22.92	22.86	23.42	23.98
12H	4H	20.79	21.57	21.27	22.05	22.52	20.94	21.72	21.42	22.20	22.67
	6H	21.52	22.17	22.03	22.68	23.16	21.79	22.44	22.30	22.95	23.44
	8H	21.84	22.42	22.35	22.91	23.47	22.19	22.76	22.69	23.25	23.81