

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: P893285

Luminaire Tested: 4MB-2SL-FLT-UNV-L930

Issue Date: 11/11/2024

**Test Information**

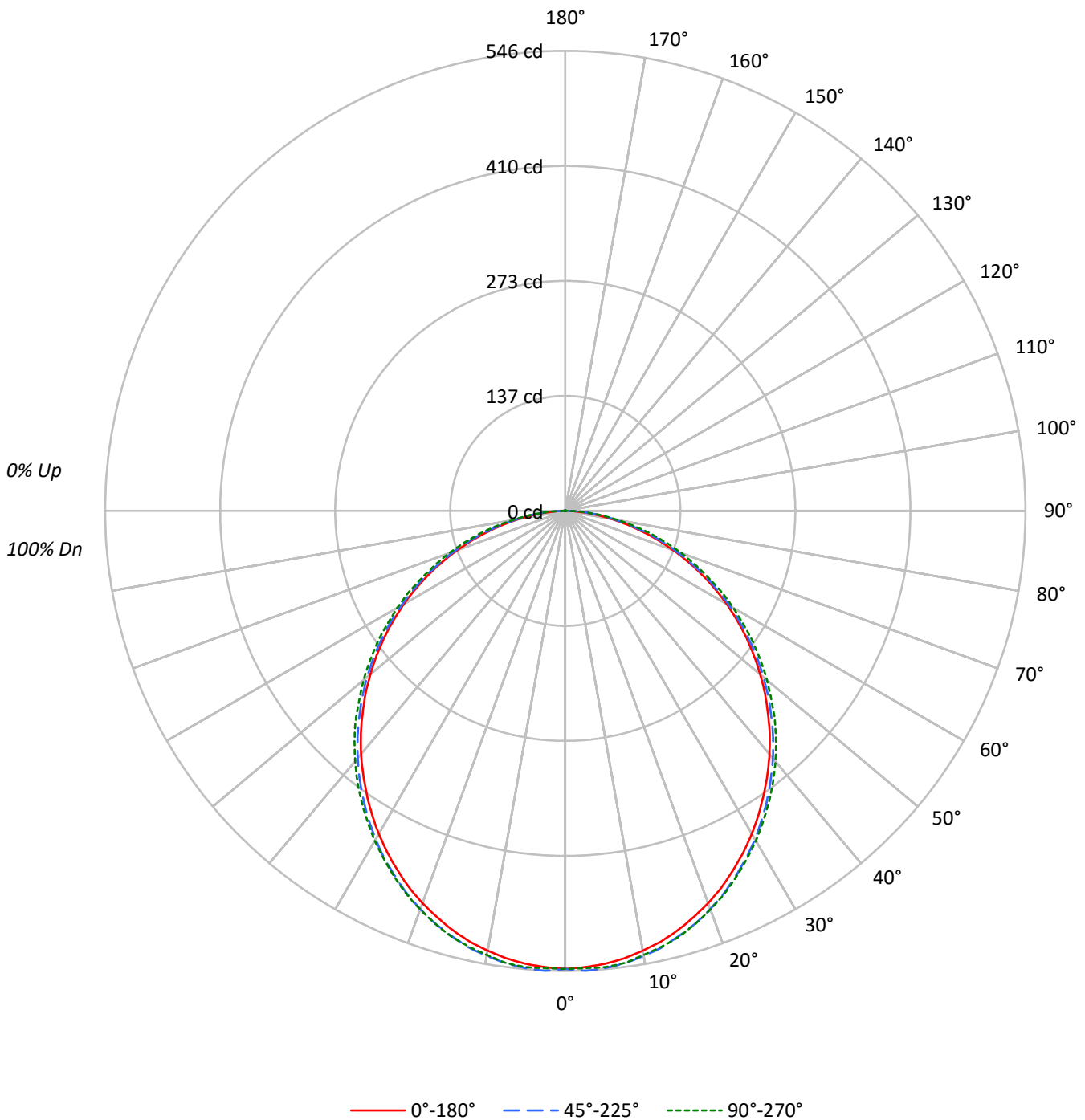
Test Method: LM-79-2019  
Report Number: P893285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-2SL-FLT-UNV-L930  
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1509.0 lumens  
Efficiency: N/A  
Efficacy: 109.3 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

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CATALOG NUMBER: 4MB-2SL-FLT-UNV-L930

### 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°	3868	3868	3868
5°	3854	3891	3882
10°	3830	3875	3867
15°	3796	3846	3852
20°	3751	3809	3812
25°	3696	3755	3764
30°	3635	3698	3714
35°	3567	3629	3660
40°	3501	3559	3604
45°	3423	3479	3540
50°	3343	3396	3458
55°	3252	3302	3372
60°	3149	3199	3273
65°	3009	3069	3148
70°	2831	2914	3046
75°	2603	2713	2889
80°	2299	2479	2610
85°	1984	2278	2433

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 3540 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.4	3.4
10°-20°	146.5	9.7
20°-30°	219.6	14.5
30°-40°	261.2	17.3
40°-50°	268.1	17.8
50°-60°	240.1	15.9
60°-70°	182.5	12.1
70°-80°	106.1	7.0
80°-90°	31.8	2.1
90°-100°	0.8	0.1
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
0°-30°	417.5	27.7
0°-40°	678.7	45.0
0°-60°	1186.9	78.7
0°-90°	1507.3	99.9
90°-120°	0.9	0.1
90°-150°	1.4	0.1
90°-180°	2.0	0.1
0°-180°	1509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	544	544	544	544	544	
5°	540	549	545	542	544	51
15°	515	525	522	521	523	145
25°	471	482	478	478	480	217
35°	411	421	418	419	421	257
45°	340	349	346	349	352	263
55°	262	269	266	269	272	234
65°	179	183	182	185	187	177
75°	95	98	99	102	105	100
85°	24	26	28	30	30	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: P893285  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6
2.5°	542.0	541.2	542.0	541.6	545.6	550.4	549.6	546.0	542.0	543.2	546.4
5°	539.6	539.2	540.4	539.6	543.6	548.8	547.2	544.0	540.4	541.6	544.8
7.5°	535.6	535.6	537.2	536.4	540.0	545.2	543.6	540.8	537.2	538.4	541.6
10°	530.1	530.5	532.5	531.3	534.4	540.0	538.4	535.6	532.5	533.3	536.4
12.5°	523.7	523.7	526.1	524.9	528.1	533.3	531.3	529.3	526.1	526.9	530.5
15°	515.3	515.7	518.5	517.3	520.1	525.3	523.3	521.7	518.9	519.3	522.1
17.5°	505.8	507.0	509.8	508.6	511.4	516.5	514.2	512.6	510.2	510.6	513.4
20°	495.4	496.6	499.4	498.6	500.6	505.8	503.4	502.6	500.2	500.6	503.0
22.5°	483.9	485.1	488.3	487.5	489.5	494.7	491.9	491.5	489.1	489.5	491.5
25°	470.8	472.4	475.9	475.2	476.7	481.5	479.1	478.3	476.7	476.7	478.3
27.5°	457.2	458.8	462.8	461.6	462.8	468.0	465.2	464.8	463.2	463.2	464.8
30°	442.5	444.1	448.5	447.3	448.5	452.9	450.1	450.5	448.9	448.9	450.1
32.5°	427.0	428.2	433.0	432.2	433.0	437.3	434.6	435.0	433.4	433.8	434.2
35°	410.7	411.9	417.1	416.3	416.7	420.6	418.6	418.6	417.4	417.1	417.8
37.5°	394.0	395.2	401.5	399.5	399.5	403.5	401.9	401.9	400.7	400.3	400.7
40°	376.9	377.7	384.4	382.4	382.0	385.6	384.4	384.4	383.6	382.8	383.2
42.5°	359.0	360.1	366.9	365.3	363.7	367.7	366.5	366.9	365.7	364.9	364.9
45°	340.2	341.4	348.2	347.4	345.0	348.6	347.4	348.2	346.6	345.8	345.8
47.5°	321.5	323.1	329.5	328.3	325.9	329.5	328.3	329.1	327.5	326.7	326.7
50°	302.0	303.6	310.4	308.4	306.0	309.6	308.8	309.2	308.0	307.2	306.8
52.5°	282.1	284.1	290.5	288.1	286.1	289.3	288.9	289.3	287.7	287.3	286.9
55°	262.2	264.2	270.2	267.4	265.8	268.6	267.8	268.6	267.0	266.6	266.2
57.5°	241.6	243.5	249.1	246.3	245.1	247.5	247.1	247.5	246.3	245.9	245.5
60°	221.3	222.9	228.0	225.2	224.0	226.4	225.6	226.8	225.2	225.2	224.8
62.5°	199.8	201.8	206.9	203.8	203.0	204.9	204.1	205.3	204.5	203.8	203.4
65°	178.7	179.9	184.6	181.9	180.7	183.1	182.7	183.5	182.3	182.7	182.3
67.5°	157.6	158.4	163.2	160.0	159.2	161.6	162.0	161.6	160.8	161.2	160.8
70°	136.1	136.9	140.9	138.1	137.7	139.7	140.5	140.1	139.3	139.7	140.1
72.5°	115.4	115.8	119.4	117.0	116.6	119.0	119.0	119.0	119.0	119.0	119.8
75°	94.7	95.1	98.3	96.3	95.9	98.3	98.3	98.3	98.3	99.1	98.7
77.5°	74.8	74.4	77.6	76.4	75.6	78.0	78.0	78.4	79.2	80.0	78.8
80°	56.1	55.7	58.1	56.5	56.5	58.9	58.5	58.9	59.7	60.1	60.5
82.5°	39.4	38.6	40.6	40.2	39.8	41.8	42.2	41.8	43.0	43.4	43.4
85°	24.3	24.3	25.5	24.7	24.7	26.3	26.3	26.7	27.5	27.9	27.9
87.5°	11.5	11.1	12.3	11.9	11.5	12.7	12.7	13.1	13.5	13.9	13.5
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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**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°	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6	543.6
2.5°	541.6	538.8	537.6	538.4	544.0	538.4	544.4	546.4	539.2	543.2
5°	540.0	537.2	535.6	536.4	542.0	536.8	543.2	545.6	539.6	543.6
7.5°	536.8	533.7	532.9	534.0	538.8	534.4	540.8	543.2	537.2	541.2
10°	532.1	529.3	528.5	529.7	534.0	529.7	535.2	537.2	531.7	535.2
12.5°	526.1	523.3	522.5	524.1	528.1	524.1	529.7	531.7	526.1	529.7
15°	518.5	515.7	515.3	517.7	521.3	517.7	523.3	524.9	519.3	522.9
17.5°	509.4	506.6	507.0	509.8	512.6	509.4	514.5	516.1	511.0	513.8
20°	499.4	496.2	497.0	499.4	501.8	498.6	503.8	505.4	500.6	503.4
22.5°	487.9	484.7	485.5	488.3	489.9	487.1	491.9	493.5	489.5	492.3
25°	475.2	472.4	473.6	476.3	477.5	475.2	479.5	480.7	477.1	479.5
27.5°	462.4	459.2	460.8	463.6	464.4	462.0	466.4	467.2	463.6	466.0
30°	448.1	444.9	446.9	450.1	450.1	448.5	452.1	452.9	450.1	452.1
32.5°	432.2	429.8	432.2	435.0	434.6	433.4	436.9	437.7	435.4	436.9
35°	416.3	414.3	416.7	419.4	419.0	417.8	421.4	421.8	419.8	421.4
37.5°	399.9	398.3	400.7	403.1	402.3	401.5	404.7	404.7	403.5	405.1
40°	383.2	381.6	383.6	386.4	384.8	384.8	386.8	387.6	386.4	388.0
42.5°	365.7	364.1	366.5	368.9	367.3	366.9	369.3	369.7	368.9	370.1
45°	347.4	345.8	348.2	350.2	348.6	348.6	350.6	350.6	350.2	351.8
47.5°	328.7	327.5	329.5	331.5	329.9	331.1	331.1	331.1	331.9	331.5
50°	309.6	308.4	310.0	312.4	310.4	310.8	311.6	311.6	312.0	312.4
52.5°	289.7	288.1	289.7	292.5	289.7	290.9	291.3	291.7	292.9	292.1
55°	269.8	268.2	269.8	272.2	269.4	271.0	271.0	271.4	272.6	271.8
57.5°	249.1	247.5	249.9	251.5	248.7	250.3	250.3	251.1	251.9	250.7
60°	228.4	227.2	228.0	230.8	228.0	229.6	229.6	229.6	231.2	230.0
62.5°	207.3	206.5	207.3	209.7	206.9	208.5	208.1	208.5	210.1	209.7
65°	185.8	185.0	185.8	188.2	185.4	187.0	187.0	187.4	188.6	187.0
67.5°	164.8	163.6	164.8	166.7	164.4	165.5	165.5	165.5	167.5	166.7
70°	143.3	142.5	143.3	145.3	143.3	144.1	144.1	144.1	146.0	146.4
72.5°	122.2	122.2	123.0	124.6	123.0	124.6	123.4	122.6	125.4	125.8
75°	101.5	101.9	102.3	103.9	102.3	103.9	103.1	102.3	104.7	105.1
77.5°	82.4	82.4	82.8	84.0	82.8	84.0	83.2	83.2	84.8	84.4
80°	62.9	62.9	63.3	64.5	63.3	64.5	63.7	63.7	65.3	63.7
82.5°	45.8	45.8	45.8	47.0	46.2	47.0	46.6	45.8	47.8	46.2
85°	29.4	29.8	29.8	30.2	29.8	30.2	30.2	29.8	31.0	29.8
87.5°	15.1	15.1	15.1	15.5	15.1	15.1	15.5	15.1	15.9	15.5
90°	2.8	2.4	2.4	3.2	2.8	2.8	3.2	2.4	2.8	2.4
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: P893285  
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L930

**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: P893285  
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L930

**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	16.21	17.84	16.57	18.16	18.48	16.34	17.98	16.71	18.30	18.61
	3H	18.03	19.51	18.41	19.84	20.20	18.18	19.66	18.55	19.98	20.35
	4H	18.69	20.09	19.09	20.44	20.81	18.88	20.28	19.28	20.63	21.01
	6H	19.14	20.44	19.56	20.80	21.20	19.44	20.74	19.85	21.10	21.49
	8H	19.28	20.52	19.71	20.91	21.31	19.64	20.87	20.06	21.26	21.66
	12H	19.38	20.56	19.81	20.95	21.38	19.78	20.96	20.21	21.35	21.78
4H	2H	16.84	18.24	17.24	18.59	18.96	16.95	18.34	17.35	18.69	19.07
	3H	18.88	20.05	19.29	20.45	20.86	19.02	20.19	19.43	20.59	20.99
	4H	19.67	20.74	20.11	21.15	21.59	19.86	20.92	20.29	21.34	21.78
	6H	20.25	21.18	20.71	21.62	22.08	20.55	21.48	21.01	21.92	22.38
	8H	20.44	21.31	20.90	21.75	22.22	20.80	21.67	21.26	22.11	22.58
	12H	20.58	21.37	21.06	21.84	22.31	20.99	21.77	21.47	22.25	22.72
8H	4H	20.00	20.87	20.47	21.32	21.78	20.17	21.04	20.63	21.48	21.95
	6H	20.71	21.43	21.20	21.92	22.40	21.00	21.72	21.49	22.21	22.69
	8H	20.97	21.62	21.48	22.13	22.62	21.33	21.98	21.84	22.49	22.97
	12H	21.19	21.76	21.69	22.25	22.82	21.61	22.19	22.12	22.68	23.24
12H	4H	20.05	20.83	20.53	21.31	21.78	20.20	20.98	20.68	21.46	21.93
	6H	20.78	21.43	21.29	21.94	22.42	21.05	21.70	21.56	22.21	22.70
	8H	21.10	21.68	21.61	22.17	22.73	21.45	22.02	21.96	22.51	23.08