

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: P893281

Luminaire Tested: 4MB-2SL-FLT-UNV-L830

Issue Date: 11/11/2024

**Test Information**

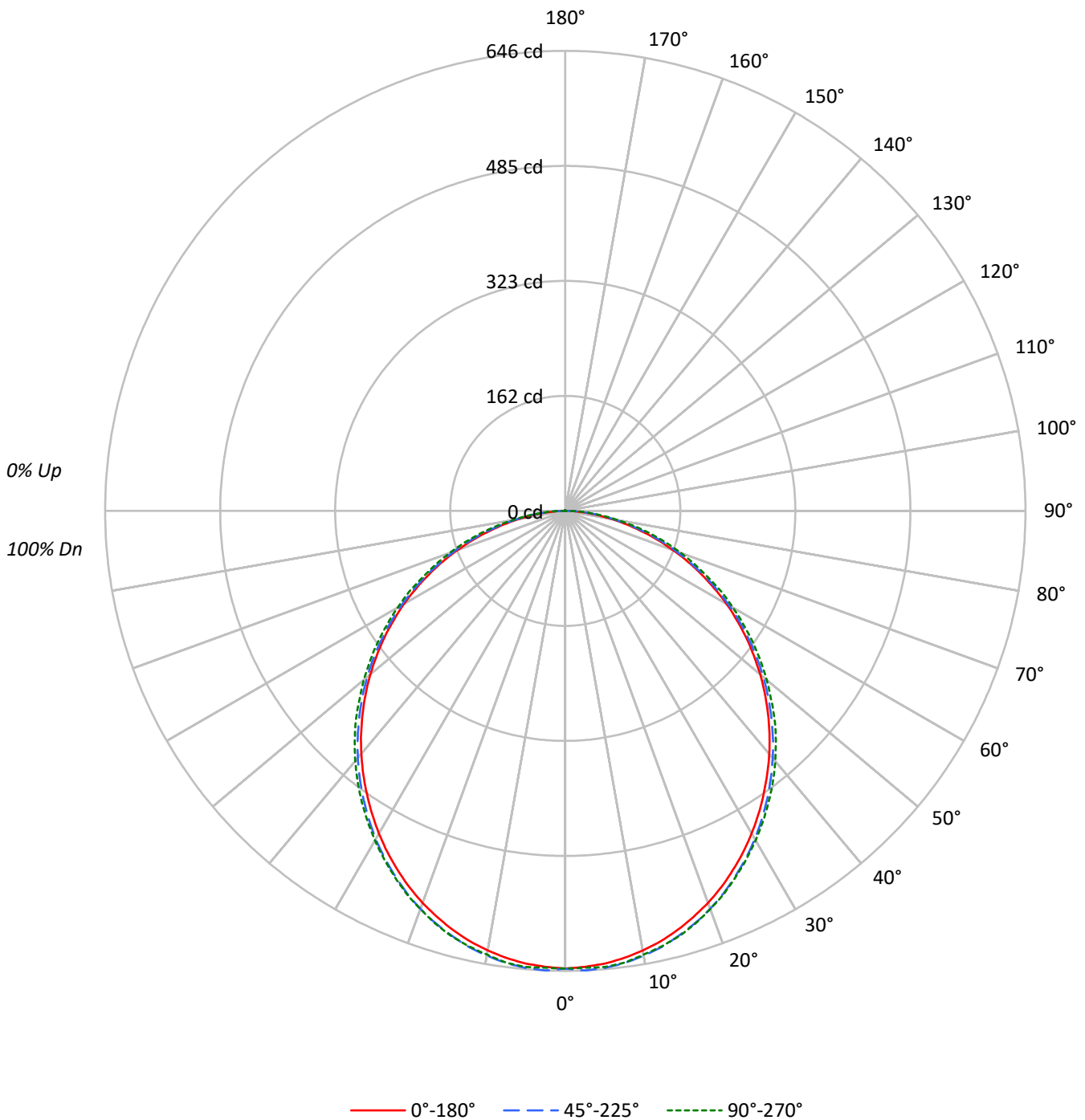
Test Method: LM-79-2019  
Report Number: P893281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-2SL-FLT-UNV-L830  
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 3000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1784.1 lumens  
Efficiency: N/A  
Efficacy: 129.3 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: P893281  
CATALOG NUMBER: 4MB-2SL-FLT-UNV-L830

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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°	4573	4573	4573
5°	4557	4600	4590
10°	4528	4582	4572
15°	4488	4547	4554
20°	4435	4503	4506
25°	4370	4439	4450
30°	4298	4372	4391
35°	4217	4291	4327
40°	4138	4208	4260
45°	4048	4113	4185
50°	3953	4015	4088
55°	3845	3904	3986
60°	3723	3782	3869
65°	3556	3628	3722
70°	3347	3445	3601
75°	3079	3208	3414
80°	2717	2930	3085
85°	2343	2686	2882

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4185 cd/sqm



TEST NUMBER: P893281  
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.8	3.4
10°-20°	173.2	9.7
20°-30°	259.6	14.5
30°-40°	308.9	17.3
40°-50°	316.9	17.8
50°-60°	283.9	15.9
60°-70°	215.7	12.1
70°-80°	125.4	7.0
80°-90°	37.6	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°	0.1	0.0
170°-180°	0.1	0.0
0°-30°	493.6	27.7
0°-40°	802.4	45.0
0°-60°	1403.2	78.7
0°-90°	1782.0	99.9
90°-120°	1.1	0.1
90°-150°	1.7	0.1
90°-180°	2.0	0.1
0°-180°	1784.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	643	643	643	643	643	
5°	638	649	644	641	643	61
15°	609	621	617	616	618	172
25°	557	569	566	565	567	256
35°	486	497	494	495	498	304
45°	402	412	409	412	416	310
55°	310	318	315	318	321	277
65°	211	216	216	219	221	209
75°	112	116	117	121	124	119
85°	29	31	33	35	35	31
90°	0	2	2	3	3	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: P893281  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7
2.5°	640.8	639.8	640.8	640.3	645.0	650.7	649.7	645.5	640.8	642.2	646.0
5°	638.0	637.5	638.9	638.0	642.7	648.8	646.9	643.1	638.9	640.3	644.1
7.5°	633.3	633.3	635.1	634.2	638.4	644.5	642.7	639.4	635.1	636.5	640.3
10°	626.7	627.1	629.5	628.1	631.8	638.4	636.5	633.3	629.5	630.4	634.2
12.5°	619.1	619.1	622.0	620.6	624.3	630.4	628.1	625.7	622.0	622.9	627.1
15°	609.3	609.7	613.0	611.6	614.9	621.0	618.7	616.8	613.5	614.0	617.3
17.5°	598.0	599.4	602.7	601.3	604.6	610.7	607.9	606.0	603.1	603.6	606.9
20°	585.7	587.1	590.4	589.5	591.9	598.0	595.1	594.2	591.4	591.9	594.7
22.5°	572.1	573.5	577.3	576.3	578.7	584.8	581.5	581.0	578.2	578.7	581.0
25°	556.6	558.5	562.7	561.7	563.6	569.3	566.4	565.5	563.6	563.6	565.5
27.5°	540.6	542.5	547.2	545.7	547.2	553.3	550.0	549.5	547.6	547.6	549.5
30°	523.2	525.0	530.2	528.8	530.2	535.4	532.1	532.6	530.7	530.7	532.1
32.5°	504.8	506.2	511.9	510.9	511.9	517.0	513.8	514.2	512.3	512.8	513.3
35°	485.5	486.9	493.1	492.1	492.6	497.3	494.9	494.9	493.5	493.1	494.0
37.5°	465.8	467.2	474.7	472.4	472.4	477.1	475.2	475.2	473.8	473.3	473.8
40°	445.5	446.5	454.5	452.1	451.7	455.9	454.5	454.5	453.5	452.6	453.1
42.5°	424.4	425.8	433.8	431.9	430.0	434.7	433.3	433.8	432.4	431.4	431.4
45°	402.3	403.7	411.7	410.7	407.9	412.1	410.7	411.7	409.8	408.8	408.8
47.5°	380.1	382.0	389.6	388.1	385.3	389.6	388.1	389.1	387.2	386.3	386.3
50°	357.1	359.0	367.0	364.6	361.8	366.0	365.1	365.6	364.1	363.2	362.7
52.5°	333.6	335.9	343.4	340.6	338.3	342.0	341.6	342.0	340.2	339.7	339.2
55°	310.0	312.4	319.5	316.2	314.3	317.6	316.6	317.6	315.7	315.2	314.7
57.5°	285.6	287.9	294.5	291.2	289.8	292.6	292.2	292.6	291.2	290.8	290.3
60°	261.6	263.5	269.6	266.3	264.9	267.7	266.8	268.2	266.3	266.3	265.8
62.5°	236.2	238.5	244.6	240.9	239.9	242.3	241.4	242.8	241.8	240.9	240.4
65°	211.2	212.7	218.3	215.0	213.6	216.4	215.9	216.9	215.5	215.9	215.5
67.5°	186.3	187.2	192.9	189.1	188.2	191.0	191.5	191.0	190.1	190.5	190.1
70°	160.9	161.8	166.5	163.3	162.8	165.1	166.1	165.6	164.7	165.1	165.6
72.5°	136.4	136.9	141.1	138.3	137.8	140.7	140.7	140.7	140.7	140.7	141.6
75°	112.0	112.4	116.2	113.9	113.4	116.2	116.2	116.2	116.2	117.1	116.7
77.5°	88.4	88.0	91.7	90.3	89.4	92.2	92.2	92.7	93.6	94.6	93.2
80°	66.3	65.9	68.7	66.8	66.8	69.6	69.2	69.6	70.6	71.0	71.5
82.5°	46.6	45.6	48.0	47.5	47.0	49.4	49.9	49.4	50.8	51.3	51.3
85°	28.7	28.7	30.1	29.2	29.2	31.1	31.1	31.5	32.5	32.9	32.9
87.5°	13.6	13.2	14.6	14.1	13.6	15.1	15.1	15.5	16.0	16.5	16.0
90°	0.5	0.5	0.9	0.9	0.9	1.9	1.9	1.9	2.4	2.4	1.9
92.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9
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°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5
170°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.5	0.9	0.9
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7	642.7
2.5°	640.3	637.0	635.6	636.5	643.1	636.5	643.6	646.0	637.5	642.2
5°	638.4	635.1	633.3	634.2	640.8	634.7	642.2	645.0	638.0	642.7
7.5°	634.7	630.9	630.0	631.4	637.0	631.8	639.4	642.2	635.1	639.8
10°	629.0	625.7	624.8	626.2	631.4	626.2	632.8	635.1	628.6	632.8
12.5°	622.0	618.7	617.7	619.6	624.3	619.6	626.2	628.6	622.0	626.2
15°	613.0	609.7	609.3	612.1	616.3	612.1	618.7	620.6	614.0	618.2
17.5°	602.2	598.9	599.4	602.7	606.0	602.2	608.3	610.2	604.1	607.4
20°	590.4	586.7	587.6	590.4	593.3	589.5	595.6	597.5	591.9	595.1
22.5°	576.8	573.0	574.0	577.3	579.2	575.9	581.5	583.4	578.7	582.0
25°	561.7	558.5	559.9	563.2	564.6	561.7	566.9	568.3	564.1	566.9
27.5°	546.7	542.9	544.8	548.1	549.0	546.2	551.4	552.3	548.1	550.9
30°	529.8	526.0	528.3	532.1	532.1	530.2	534.5	535.4	532.1	534.5
32.5°	510.9	508.1	510.9	514.2	513.8	512.3	516.6	517.5	514.7	516.6
35°	492.1	489.8	492.6	495.9	495.4	494.0	498.2	498.7	496.3	498.2
37.5°	472.8	470.9	473.8	476.6	475.6	474.7	478.5	478.5	477.1	478.9
40°	453.1	451.2	453.5	456.8	454.9	454.9	457.3	458.2	456.8	458.7
42.5°	432.4	430.5	433.3	436.1	434.2	433.8	436.6	437.1	436.1	437.5
45°	410.7	408.8	411.7	414.0	412.1	412.1	414.5	414.5	414.0	415.9
47.5°	388.6	387.2	389.6	391.9	390.0	391.4	391.4	391.4	392.4	391.9
50°	366.0	364.6	366.5	369.3	367.0	367.4	368.4	368.4	368.9	369.3
52.5°	342.5	340.6	342.5	345.8	342.5	343.9	344.4	344.9	346.3	345.3
55°	319.0	317.1	319.0	321.8	318.5	320.4	320.4	320.9	322.3	321.3
57.5°	294.5	292.6	295.5	297.3	294.0	295.9	295.9	296.9	297.8	296.4
60°	270.1	268.6	269.6	272.9	269.6	271.5	271.5	271.5	273.3	271.9
62.5°	245.1	244.2	245.1	247.9	244.6	246.5	246.1	246.5	248.4	247.9
65°	219.7	218.8	219.7	222.5	219.2	221.1	221.1	221.6	223.0	221.1
67.5°	194.8	193.4	194.8	197.1	194.3	195.7	195.7	195.7	198.1	197.1
70°	169.4	168.4	169.4	171.7	169.4	170.3	170.3	170.3	172.7	173.1
72.5°	144.4	144.4	145.4	147.3	145.4	147.3	145.8	144.9	148.2	148.7
75°	120.0	120.4	120.9	122.8	120.9	122.8	121.9	120.9	123.7	124.2
77.5°	97.4	97.4	97.9	99.3	97.9	99.3	98.3	98.3	100.2	99.7
80°	74.3	74.3	74.8	76.2	74.8	76.2	75.3	75.3	77.2	75.3
82.5°	54.1	54.1	54.1	55.5	54.6	55.5	55.0	54.1	56.5	54.6
85°	34.8	35.3	35.3	35.8	35.3	35.8	35.8	35.3	36.7	35.3
87.5°	17.9	17.9	17.9	18.3	17.9	17.9	18.3	17.9	18.8	18.3
90°	3.3	2.8	2.8	3.8	3.3	3.3	3.8	2.8	3.3	2.8
92.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9
95°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4
97.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9
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: P893281  
 CATALOG NUMBER: 4MB-2SL-FLT-UNV-L830

**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: P893281  
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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	16.79	18.42	17.15	18.74	19.06	16.92	18.56	17.29	18.88	19.19
	3H	18.61	20.09	18.99	20.42	20.78	18.76	20.24	19.13	20.57	20.93
	4H	19.27	20.67	19.67	21.02	21.39	19.46	20.86	19.86	21.21	21.59
	6H	19.72	21.02	20.14	21.38	21.78	20.02	21.32	20.43	21.68	22.08
	8H	19.86	21.10	20.29	21.49	21.89	20.22	21.45	20.64	21.84	22.24
	12H	19.96	21.14	20.39	21.53	21.96	20.36	21.54	20.79	21.93	22.36
4H	2H	17.42	18.82	17.82	19.17	19.55	17.53	18.92	17.93	19.27	19.65
	3H	19.46	20.63	19.87	21.03	21.44	19.60	20.77	20.01	21.17	21.57
	4H	20.26	21.32	20.69	21.73	22.17	20.44	21.50	20.87	21.92	22.36
	6H	20.83	21.76	21.29	22.20	22.66	21.13	22.06	21.59	22.50	22.96
	8H	21.02	21.89	21.48	22.33	22.80	21.38	22.25	21.84	22.69	23.16
	12H	21.16	21.95	21.65	22.42	22.89	21.57	22.35	22.05	22.83	23.30
8H	4H	20.58	21.45	21.05	21.90	22.37	20.75	21.62	21.21	22.06	22.53
	6H	21.29	22.01	21.78	22.50	22.98	21.58	22.30	22.07	22.79	23.27
	8H	21.55	22.20	22.06	22.71	23.20	21.91	22.56	22.42	23.06	23.55
	12H	21.77	22.34	22.27	22.83	23.40	22.19	22.77	22.70	23.26	23.82
12H	4H	20.63	21.41	21.11	21.89	22.36	20.78	21.56	21.26	22.04	22.51
	6H	21.36	22.01	21.87	22.52	23.01	21.63	22.28	22.14	22.79	23.28
	8H	21.68	22.26	22.19	22.75	23.31	22.03	22.60	22.54	23.09	23.66