

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: P892568

Luminaire Tested: 2MB-2SL-RND-UNV-L850

Issue Date: 11/11/2024

**Test Information**

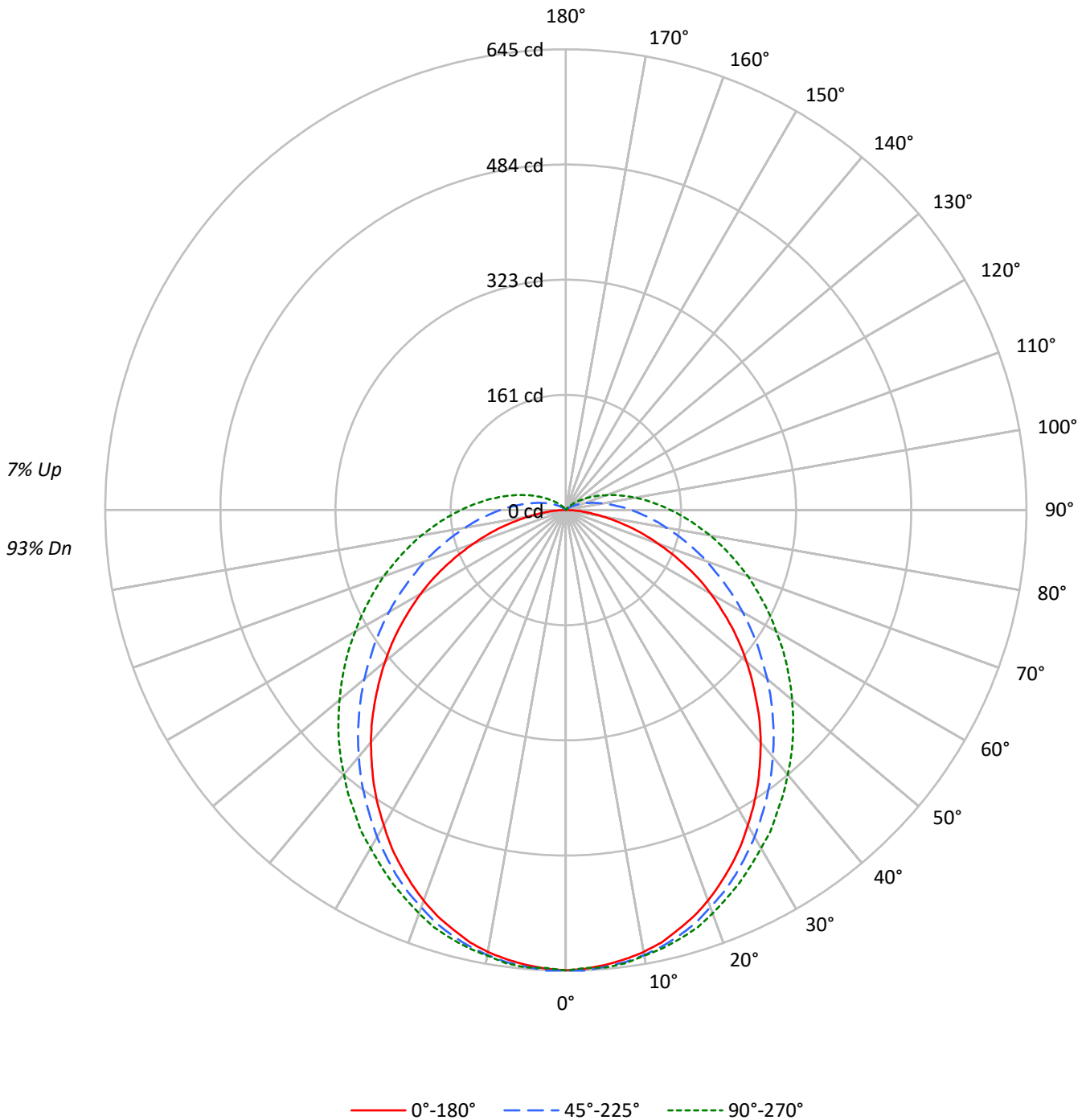
Test Method: LM-79-2019  
Report Number: P892568  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 2MB-2SL-RND-UNV-L850  
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 5000K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2097.0 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.35  
Luminous Opening: Rectangular (W 0.38' x L: 1.98' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.9  
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: P892568  
CATALOG NUMBER: 2MB-2SL-RND-UNV-L850

### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				20				20																			
RC	80				70				50				30				10				0				0																			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10						
RCR																																												
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96			
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	81	79	77	81	79	77	81	79	77	81	79	77	81	79	77	81	79	77	81	79	77	81	79	77			
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	70	67	63	70	67	63	70	67	63	70	67	63	70	67	63	70	67	63	70	67	63	70	67	63	70	67	63	70	67	63
3	87	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	62	57	53	62	57	53	62	57	53	62	57	53	62	57	53	62	57	53	62	57	53	62	57	53	62	57	53
4	79	67	57	50	76	65	56	50	61	54	48	58	52	47	55	50	45	55	50	45	55	50	45	55	50	45	55	50	45	55	50	45	55	50	45	55	50	45	55	50	45	55	50	45
5	73	59	50	43	70	58	49	43	55	47	41	52	46	40	50	44	39	50	44	39	50	44	39	50	44	39	50	44	39	50	44	39	50	44	39	50	44	39	50	44	39	50	44	39
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34	45	39	34	45	39	34	45	39	34	45	39	34	45	39	34	45	39	34	45	39	34	45	39	34	45	39	34
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	41	35	31	41	35	31	41	35	31	41	35	31	41	35	31	41	35	31	41	35	31	41	35	31	41	35	31
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	38	32	27	38	32	27	38	32	27	38	32	27	38	32	27	38	32	27	38	32	27	38	32	27	38	32	27
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25	35	29	25	35	29	25	35	29	25	35	29	25	35	29	25	35	29	25	35	29	25	35	29	25	35	29	25
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	22	32	27	22	32	27	22	32	27	22	32	27	22	32	27	22	32	27	22	32	27	22	32	27	22	32	27	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	9220	9220	9220
5°	9178	9216	9229
10°	9125	9191	9204
15°	9009	9129	9197
20°	8860	9012	9149
25°	8658	8887	9087
30°	8418	8732	9031
35°	8189	8568	9011
40°	7927	8418	9027
45°	7637	8295	9102
50°	7353	8199	9207
55°	7043	8151	9415
60°	6706	8183	9736
65°	6283	8334	10324
70°	5755	8784	11360
75°	5201	9656	13111
80°	4399	11781	16930
85°	3562	19023	28675

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 52539 cd/sqm



TEST NUMBER: P892568  
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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.9	2.9
10°-20°	173.4	8.3
20°-30°	258.6	12.3
30°-40°	306.8	14.6
40°-50°	317.1	15.1
50°-60°	292.7	14.0
60°-70°	242.9	11.6
70°-80°	180.0	8.6
80°-90°	118.7	5.7
90°-100°	72.1	3.4
100°-110°	40.8	1.9
110°-120°	20.3	1.0
120°-130°	8.5	0.4
130°-140°	2.7	0.1
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	492.9	23.5
0°-40°	799.7	38.1
0°-60°	1409.5	67.2
0°-90°	1951.1	93.0
90°-120°	133.3	6.4
90°-150°	145.2	6.9
90°-180°	146.0	7.0
0°-180°	2097.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	644	644	644	644	644	
5°	639	648	642	640	643	61
15°	608	618	616	618	621	172
25°	548	558	563	568	576	252
35°	469	479	491	506	516	293
45°	378	389	410	434	450	291
55°	282	295	327	359	378	253
65°	186	205	246	286	305	184
75°	94	123	175	218	237	99
85°	22	62	116	157	175	24
90°	0	41	91	130	147	1
95°	0	24	70	106	121	0
105°	0	8	39	66	79	0
115°	0	2	18	37	46	0
125°	0	1	7	17	23	0
135°	1	0	2	6	8	1
145°	1	1	1	2	2	1
155°	1	1	1	0	0	0
165°	1	1	1	1	0	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



TEST NUMBER: P892568

CATALOG NUMBER: 2MB-2SL-RND-UNV-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	642.7	640.9	641.8	641.8	644.5	651.7	649.0	649.0	649.0	641.8	645.4
5°	639.1	637.2	638.2	639.1	640.9	648.1	645.4	646.3	645.4	638.2	641.8
7.5°	634.5	632.7	632.7	633.6	636.3	643.6	640.9	641.8	640.9	633.6	638.2
10°	628.2	626.4	627.3	628.2	630.0	638.2	635.4	635.4	635.4	629.1	632.7
12.5°	620.1	618.2	619.1	620.1	622.8	629.1	626.4	627.3	627.3	621.9	625.5
15°	608.3	606.5	608.3	609.2	611.9	618.2	616.4	617.3	617.3	611.9	616.4
17.5°	596.5	593.8	595.6	596.5	600.1	605.6	603.8	605.6	605.6	600.1	605.6
20°	582.0	579.3	581.1	582.9	585.7	591.1	589.3	591.1	591.1	586.6	592.0
22.5°	565.7	563.0	564.8	566.6	570.3	574.8	573.9	575.7	575.7	572.1	578.4
25°	548.5	545.8	548.5	549.4	553.1	557.6	557.6	558.5	559.4	556.7	563.0
27.5°	530.4	526.8	529.5	531.3	535.0	539.5	539.5	541.3	541.3	540.4	545.8
30°	509.6	506.9	510.5	511.4	515.0	519.6	520.5	522.3	522.3	521.4	528.6
32.5°	489.7	487.0	489.7	491.5	496.0	499.7	500.6	502.4	503.3	503.3	509.6
35°	468.9	466.2	468.9	470.7	475.2	478.8	479.7	481.6	482.5	484.3	490.6
37.5°	446.3	444.4	447.2	449.0	453.5	457.1	458.0	460.7	461.6	464.4	471.6
40°	424.5	421.8	424.5	426.3	431.8	434.5	436.3	439.0	440.8	443.5	450.8
42.5°	401.9	400.1	401.9	405.5	409.1	412.8	414.6	417.3	420.0	424.5	430.9
45°	377.5	377.5	379.3	382.9	386.5	389.2	391.9	395.6	398.3	402.8	410.0
47.5°	353.9	353.9	355.7	358.5	363.0	365.7	368.4	372.9	375.7	381.1	389.2
50°	330.4	329.5	332.2	335.8	340.3	343.1	345.8	350.3	353.9	360.3	368.4
52.5°	306.9	305.0	307.8	312.3	315.9	319.5	322.2	326.8	331.3	339.4	346.7
55°	282.4	281.5	284.2	287.8	292.4	295.1	298.7	304.1	309.6	317.7	326.8
57.5°	258.0	258.0	260.7	264.3	269.7	272.5	276.1	282.4	287.8	296.9	306.0
60°	234.4	233.5	236.3	241.7	246.2	249.8	253.5	260.7	267.0	277.0	286.0
62.5°	210.9	210.0	213.6	217.2	223.6	227.2	230.8	239.0	246.2	257.1	266.1
65°	185.6	186.5	189.2	192.8	200.0	204.6	209.1	218.1	226.3	236.3	246.2
67.5°	161.1	161.1	164.7	169.3	178.3	182.8	187.4	197.3	205.5	217.2	227.2
70°	137.6	138.5	143.0	147.5	156.6	161.1	166.6	177.4	186.5	198.2	210.0
72.5°	115.0	116.8	120.4	127.6	136.7	141.2	147.5	158.4	167.5	180.1	191.9
75°	94.1	95.0	99.6	107.7	117.7	123.1	128.5	140.3	151.2	162.9	174.7
77.5°	72.4	74.2	79.7	88.7	100.5	105.9	111.3	124.0	134.9	146.6	158.4
80°	53.4	55.2	62.5	71.5	84.2	89.6	95.9	108.6	119.5	131.3	143.0
82.5°	36.2	38.9	46.2	56.1	68.8	75.1	81.5	94.1	105.9	117.7	129.4
85°	21.7	24.4	32.6	43.4	56.1	61.6	67.9	81.5	92.3	104.1	115.9
87.5°	9.1	13.6	21.7	32.6	44.4	49.8	57.0	69.7	80.6	91.4	103.2
90°	0.0	5.4	13.6	23.5	35.3	40.7	46.2	58.8	69.7	80.6	91.4
92.5°	0.0	1.8	8.1	16.3	27.2	31.7	37.1	48.9	58.8	69.7	80.6
95°	0.0	0.9	4.5	11.8	19.9	24.4	29.9	40.7	49.8	60.6	69.7
97.5°	0.0	0.0	2.7	8.1	15.4	19.0	23.5	33.5	42.5	51.6	61.6
100°	0.0	0.0	1.8	5.4	10.9	14.5	18.1	27.2	35.3	44.4	52.5
102.5°	0.0	0.0	0.9	3.6	8.1	10.9	13.6	21.7	29.0	37.1	45.3
105°	0.0	0.0	0.9	1.8	5.4	8.1	10.9	17.2	23.5	30.8	38.9
107.5°	0.0	0.0	0.0	1.8	4.5	6.3	8.1	13.6	19.0	25.3	32.6
110°	0.0	0.0	0.0	0.9	2.7	4.5	6.3	10.9	15.4	20.8	27.2



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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	0.9	1.8	2.7	4.5	8.1	11.8	17.2	21.7
115°	0.0	0.0	0.0	0.0	0.9	1.8	2.7	6.3	9.1	13.6	18.1
117.5°	0.0	0.0	0.0	0.0	0.9	1.8	1.8	4.5	7.2	10.9	14.5
120°	0.0	0.0	0.0	0.0	0.9	0.9	1.8	3.6	5.4	8.1	11.8
122.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	3.6	6.3	9.1
125°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	2.7	4.5	7.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	3.6	5.4
130°	0.9	0.0	0.0	0.0	0.9	0.0	0.9	0.9	1.8	2.7	3.6
132.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	2.7
135°	0.9	0.9	0.0	0.0	0.9	0.0	0.0	0.9	0.9	0.9	1.8
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5	644.5
2.5°	645.4	638.2	642.7	641.8	640.9	639.1	643.6	640.0	641.8	641.8
5°	642.7	635.4	640.9	640.9	640.0	638.2	642.7	639.1	641.8	642.7
7.5°	638.2	632.7	638.2	637.2	637.2	635.4	640.0	637.2	640.0	640.0
10°	632.7	627.3	632.7	631.8	631.8	630.0	633.6	630.9	633.6	633.6
12.5°	625.5	620.1	626.4	625.5	624.6	623.7	627.3	624.6	628.2	628.2
15°	616.4	612.8	619.1	618.2	618.2	616.4	621.0	618.2	621.9	621.0
17.5°	606.5	602.9	609.2	609.2	608.3	608.3	611.0	608.3	612.8	612.8
20°	592.9	589.3	596.5	596.5	595.6	595.6	598.3	595.6	601.0	601.0
22.5°	578.4	575.7	582.0	582.9	582.0	582.0	584.7	582.9	588.4	588.4
25°	563.0	562.1	568.5	569.4	568.5	569.4	572.1	570.3	575.7	575.7
27.5°	546.7	546.7	553.1	554.0	554.9	554.9	557.6	555.8	562.1	561.2
30°	529.5	529.5	536.8	538.6	538.6	539.5	542.2	540.4	546.7	546.7
32.5°	511.4	512.3	519.6	522.3	522.3	524.1	525.9	525.0	531.3	533.2
35°	493.3	494.2	502.4	505.1	506.0	506.9	509.6	509.6	515.0	516.0
37.5°	472.5	476.1	483.4	487.0	487.9	489.7	492.4	492.4	498.8	500.6
40°	452.6	457.1	465.3	468.9	469.8	471.6	475.2	475.2	481.6	483.4
42.5°	433.6	439.0	446.3	451.7	452.6	455.3	457.1	458.9	465.3	467.1
45°	412.8	419.1	427.2	432.7	434.5	437.2	439.0	441.7	447.2	449.9
47.5°	392.8	399.2	408.2	414.6	415.5	419.1	420.9	423.6	429.1	431.8
50°	372.0	380.2	389.2	396.5	397.4	400.1	402.8	405.5	411.0	413.7
52.5°	352.1	360.3	369.3	376.6	378.4	381.1	383.8	386.5	392.8	395.6
55°	332.2	340.3	349.4	357.5	359.4	362.1	364.8	368.4	374.7	377.5
57.5°	312.3	321.3	330.4	338.5	340.3	344.0	346.7	350.3	355.7	359.4
60°	293.3	302.3	312.3	320.4	321.3	326.8	328.6	332.2	337.6	340.3
62.5°	273.4	285.1	293.3	302.3	304.1	307.8	310.5	314.1	319.5	323.2
65°	254.4	266.1	274.3	283.3	286.0	289.7	292.4	296.0	301.4	305.0
67.5°	236.3	248.0	257.1	266.1	268.8	271.6	275.2	278.8	283.3	287.8
70°	219.1	231.7	239.9	248.9	251.6	255.3	258.9	261.6	267.0	271.6
72.5°	201.9	214.5	222.7	232.6	234.4	238.1	241.7	245.3	249.8	253.5
75°	184.7	197.3	206.4	215.4	218.1	221.8	225.4	229.0	233.5	237.2
77.5°	168.4	181.0	190.1	200.0	201.9	205.5	210.0	213.6	217.2	220.9
80°	153.0	165.6	174.7	183.8	186.5	190.1	193.7	198.2	201.9	205.5
82.5°	139.4	151.2	159.3	169.3	171.1	174.7	178.3	181.9	185.6	189.2
85°	125.8	137.6	145.7	154.8	156.6	160.2	163.8	167.5	172.0	174.7
87.5°	113.1	124.0	133.1	141.2	143.0	146.6	150.3	153.0	156.6	160.2
90°	101.4	112.2	120.4	128.5	130.3	134.0	136.7	140.3	143.9	146.6
92.5°	89.6	100.5	107.7	115.9	117.7	121.3	124.9	127.6	131.3	134.0
95°	79.7	89.6	96.9	105.0	105.9	109.5	113.1	115.9	119.5	121.3
97.5°	69.7	79.7	86.9	94.1	95.0	98.7	102.3	105.0	107.7	110.4
100°	60.6	69.7	76.9	83.3	85.1	87.8	91.4	94.1	96.9	98.7
102.5°	52.5	60.6	67.0	74.2	75.1	78.8	81.5	84.2	86.9	88.7
105°	45.3	53.4	58.8	65.2	66.1	69.7	72.4	75.1	77.8	78.8
107.5°	38.9	45.3	50.7	57.0	58.8	60.6	63.4	66.1	68.8	69.7
110°	32.6	38.9	44.4	48.9	50.7	53.4	55.2	57.9	59.7	60.6





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	27.2	32.6	37.1	42.5	43.4	46.2	48.0	49.8	52.5	53.4
115°	22.6	28.1	31.7	36.2	37.1	38.9	41.6	43.4	45.3	46.2
117.5°	19.0	22.6	26.3	29.9	31.7	33.5	35.3	37.1	38.0	38.9
120°	15.4	19.0	21.7	25.3	26.3	28.1	29.9	30.8	32.6	33.5
122.5°	11.8	15.4	18.1	20.8	21.7	23.5	24.4	26.3	27.2	27.2
125°	9.1	11.8	14.5	16.3	17.2	19.0	19.9	21.7	22.6	22.6
127.5°	7.2	9.1	10.9	13.6	13.6	15.4	16.3	17.2	18.1	18.1
130°	5.4	7.2	9.1	10.0	10.9	11.8	12.7	13.6	14.5	14.5
132.5°	3.6	5.4	6.3	8.1	8.1	9.1	10.0	10.0	10.9	10.9
135°	2.7	3.6	4.5	5.4	6.3	6.3	7.2	8.1	8.1	8.1
137.5°	1.8	2.7	3.6	4.5	4.5	4.5	5.4	5.4	6.3	6.3
140°	0.9	1.8	1.8	2.7	2.7	3.6	3.6	3.6	4.5	4.5
142.5°	0.9	0.9	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7
145°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.0
175°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.9	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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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	17.80	19.33	18.27	19.79	20.27	19.57	21.10	20.04	21.56	22.04
	3H	19.42	20.82	19.90	21.29	21.81	22.15	23.55	22.63	24.02	24.54
	4H	20.01	21.33	20.51	21.82	22.35	23.45	24.78	23.95	25.26	25.80
	6H	20.41	21.64	20.92	22.14	22.69	24.84	26.08	25.36	26.57	27.13
	8H	20.52	21.71	21.05	22.23	22.79	25.58	26.76	26.11	27.28	27.84
	12H	20.60	21.74	21.13	22.25	22.84	26.42	27.56	26.95	28.07	28.66
4H	2H	18.77	20.10	19.27	20.58	21.12	20.11	21.44	20.62	21.92	22.46
	3H	20.70	21.84	21.22	22.36	22.92	22.99	24.12	23.51	24.65	25.21
	4H	21.47	22.51	22.00	23.04	23.63	24.50	25.54	25.04	26.07	26.67
	6H	22.04	22.95	22.59	23.52	24.12	26.13	27.04	26.68	27.61	28.21
	8H	22.21	23.08	22.78	23.64	24.26	26.99	27.86	27.55	28.42	29.04
	12H	22.34	23.12	22.92	23.71	24.34	27.98	28.77	28.56	29.36	29.98
8H	4H	22.36	23.23	22.92	23.79	24.41	24.85	25.72	25.41	26.28	26.90
	6H	23.24	23.97	23.83	24.57	25.20	26.74	27.47	27.33	28.07	28.70
	8H	23.58	24.25	24.19	24.86	25.50	27.81	28.47	28.41	29.08	29.72
	12H	23.85	24.44	24.46	25.05	25.75	29.05	29.64	29.66	30.25	30.95
12H	4H	22.65	23.43	23.23	24.02	24.65	24.89	25.68	25.47	26.27	26.89
	6H	23.69	24.35	24.29	24.96	25.60	26.84	27.50	27.44	28.12	28.76
	8H	24.20	24.79	24.81	25.40	26.10	28.02	28.61	28.63	29.22	29.92