

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: P892679

Luminaire Tested: 2MB-3SL-RND-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892679
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-3SL-RND-UNV-L840
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

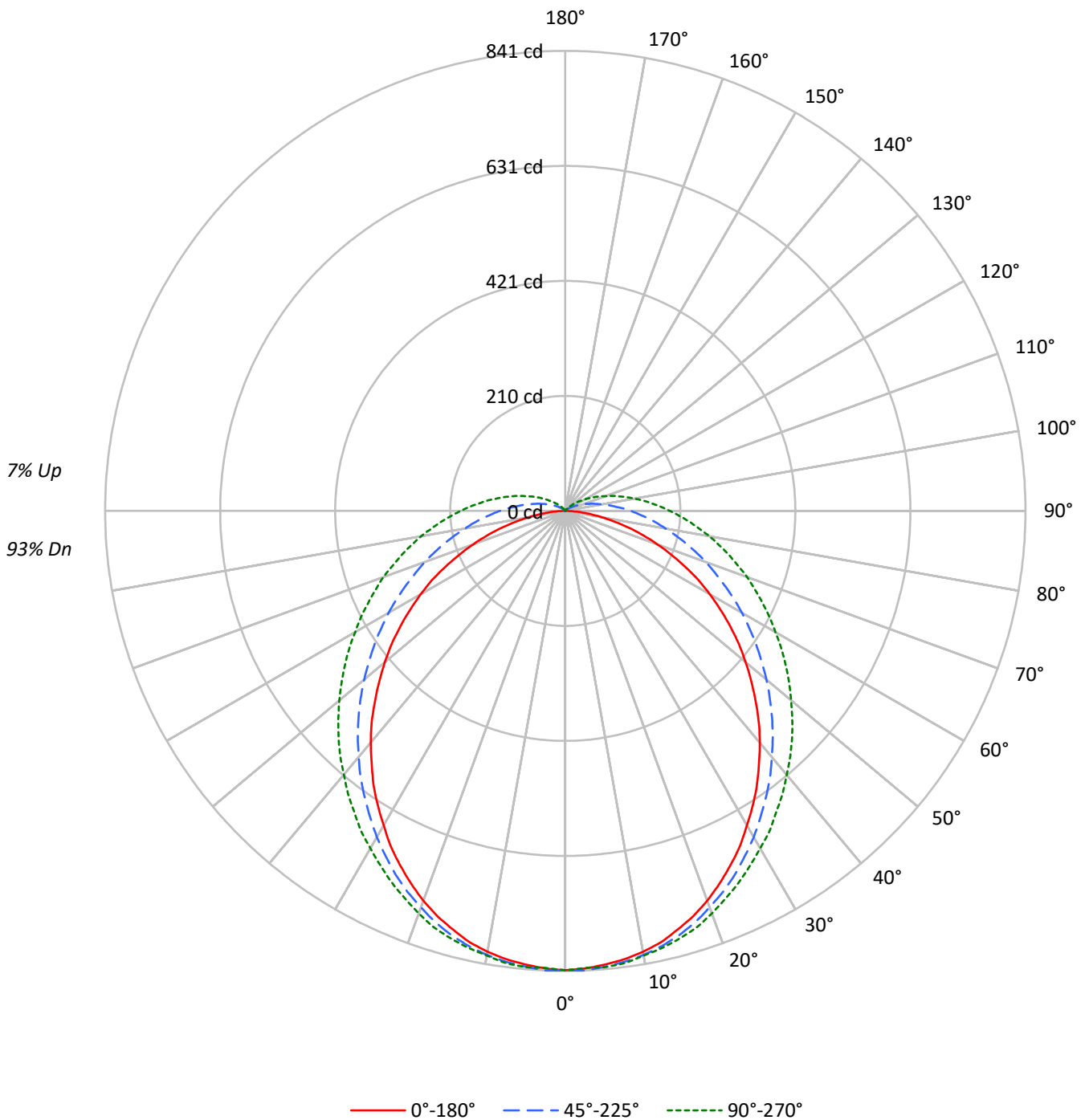
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2732.1 lumens
Efficiency: N/A
Efficacy: 130.1 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): 21
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 8
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	70	67	63	63	63	63	61
3	87	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	53	53	53	50
4	79	67	57	50	76	65	56	50	61	54	48	58	52	47	55	50	45	45	45	45	43
5	73	59	50	43	70	58	49	43	55	47	41	52	46	40	50	44	39	39	39	39	37
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	31	31	31	28
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	27	27	27	25
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25	25	25	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	22	22	22	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12012	12012	12012
5°	11956	12007	12024
10°	11888	11974	11991
15°	11737	11894	11981
20°	11544	11742	11920
25°	11280	11578	11838
30°	10967	11376	11766
35°	10669	11163	11739
40°	10329	10968	11759
45°	9950	10807	11857
50°	9579	10683	11993
55°	9176	10617	12266
60°	8738	10663	12686
65°	8185	10859	13452
70°	7499	11444	14798
75°	6776	12580	17079
80°	5734	15348	22054
85°	4645	24768	37358

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 68446 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	2.9
10°-20°	225.9	8.3
20°-30°	336.9	12.3
30°-40°	399.8	14.6
40°-50°	413.1	15.1
50°-60°	381.3	14.0
60°-70°	316.5	11.6
70°-80°	234.5	8.6
80°-90°	154.6	5.7
90°-100°	94.0	3.4
100°-110°	53.2	1.9
110°-120°	26.5	1.0
120°-130°	11.0	0.4
130°-140°	3.5	0.1
140°-150°	1.0	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	642.1	23.5
0°-40°	1041.9	38.1
0°-60°	1836.3	67.2
0°-90°	2542.0	93.0
90°-120°	173.6	6.4
90°-150°	189.2	6.9
90°-180°	190.0	7.0
0°-180°	2732.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	840	840	840	840	840	
5°	833	844	836	834	837	79
15°	792	806	803	806	809	223
25°	715	726	734	741	750	329
35°	611	624	639	659	672	382
45°	492	507	534	566	586	380
55°	368	384	426	468	492	329
65°	242	266	321	373	397	240
75°	123	160	228	284	309	129
85°	28	80	151	204	228	32
90°	0	53	119	170	191	2
95°	0	32	91	138	158	0
105°	0	11	51	86	103	0
115°	0	2	24	48	60	0
125°	0	1	9	22	30	0
135°	1	0	2	8	11	1
145°	1	1	1	2	2	1
155°	1	1	1	0	0	1
165°	1	1	1	1	0	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7
2.5°	837.3	834.9	836.1	836.1	839.7	849.1	845.5	845.5	845.5	836.1	840.8
5°	832.6	830.2	831.4	832.6	834.9	844.4	840.8	842.0	840.8	831.4	836.1
7.5°	826.7	824.3	824.3	825.5	829.0	838.5	834.9	836.1	834.9	825.5	831.4
10°	818.4	816.1	817.2	818.4	820.8	831.4	827.9	827.9	827.9	819.6	824.3
12.5°	807.8	805.5	806.6	807.8	811.3	819.6	816.1	817.2	817.2	810.2	814.9
15°	792.5	790.1	792.5	793.7	797.2	805.5	803.1	804.3	804.3	797.2	803.1
17.5°	777.1	773.6	776.0	777.1	781.9	788.9	786.6	788.9	788.9	781.9	788.9
20°	758.3	754.7	757.1	759.5	763.0	770.1	767.7	770.1	770.1	764.2	771.3
22.5°	737.1	733.5	735.9	738.2	743.0	748.8	747.7	750.0	750.0	745.3	753.6
25°	714.6	711.1	714.6	715.8	720.5	726.4	726.4	727.6	728.8	725.3	733.5
27.5°	691.1	686.3	689.9	692.2	697.0	702.9	702.9	705.2	705.2	704.0	711.1
30°	663.9	660.4	665.1	666.3	671.0	676.9	678.1	680.4	680.4	679.3	688.7
32.5°	638.0	634.5	638.0	640.4	646.2	651.0	652.1	654.5	655.7	655.7	663.9
35°	610.9	607.3	610.9	613.2	619.1	623.8	625.0	627.4	628.6	630.9	639.2
37.5°	581.4	579.0	582.6	584.9	590.8	595.5	596.7	600.3	601.4	605.0	614.4
40°	553.1	549.5	553.1	555.4	562.5	566.1	568.4	572.0	574.3	577.9	587.3
42.5°	523.6	521.2	523.6	528.3	533.0	537.8	540.1	543.7	547.2	553.1	561.3
45°	491.8	491.8	494.1	498.8	503.6	507.1	510.6	515.3	518.9	524.8	534.2
47.5°	461.1	461.1	463.5	467.0	472.9	476.4	480.0	485.9	489.4	496.5	507.1
50°	430.4	429.3	432.8	437.5	443.4	446.9	450.5	456.4	461.1	469.4	480.0
52.5°	399.8	397.4	401.0	406.9	411.6	416.3	419.8	425.7	431.6	442.2	451.7
55°	367.9	366.8	370.3	375.0	380.9	384.4	389.2	396.2	403.3	413.9	425.7
57.5°	336.1	336.1	339.6	344.4	351.4	355.0	359.7	367.9	375.0	386.8	398.6
60°	305.4	304.3	307.8	314.9	320.8	325.5	330.2	339.6	347.9	360.9	372.7
62.5°	274.8	273.6	278.3	283.0	291.3	296.0	300.7	311.3	320.8	334.9	346.7
65°	241.8	242.9	246.5	251.2	260.6	266.5	272.4	284.2	294.8	307.8	320.8
67.5°	209.9	209.9	214.6	220.5	232.3	238.2	244.1	257.1	267.7	283.0	296.0
70°	179.3	180.4	186.3	192.2	204.0	209.9	217.0	231.1	242.9	258.3	273.6
72.5°	149.8	152.1	156.8	166.3	178.1	184.0	192.2	206.4	218.2	234.7	250.0
75°	122.6	123.8	129.7	140.3	153.3	160.4	167.5	182.8	196.9	212.3	227.6
77.5°	94.3	96.7	103.8	115.6	130.9	138.0	145.1	161.6	175.7	191.0	206.4
80°	69.6	71.9	81.4	93.2	109.7	116.7	125.0	141.5	155.7	171.0	186.3
82.5°	47.2	50.7	60.1	73.1	89.6	97.9	106.1	122.6	138.0	153.3	168.6
85°	28.3	31.8	42.5	56.6	73.1	80.2	88.4	106.1	120.3	135.6	150.9
87.5°	11.8	17.7	28.3	42.5	57.8	64.9	74.3	90.8	105.0	119.1	134.4
90°	0.0	7.1	17.7	30.7	46.0	53.1	60.1	76.7	90.8	105.0	119.1
92.5°	0.0	2.4	10.6	21.2	35.4	41.3	48.4	63.7	76.7	90.8	105.0
95°	0.0	1.2	5.9	15.3	25.9	31.8	38.9	53.1	64.9	79.0	90.8
97.5°	0.0	0.0	3.5	10.6	20.0	24.8	30.7	43.6	55.4	67.2	80.2
100°	0.0	0.0	2.4	7.1	14.2	18.9	23.6	35.4	46.0	57.8	68.4
102.5°	0.0	0.0	1.2	4.7	10.6	14.2	17.7	28.3	37.7	48.4	59.0
105°	0.0	0.0	1.2	2.4	7.1	10.6	14.2	22.4	30.7	40.1	50.7
107.5°	0.0	0.0	0.0	2.4	5.9	8.3	10.6	17.7	24.8	33.0	42.5
110°	0.0	0.0	0.0	1.2	3.5	5.9	8.3	14.2	20.0	27.1	35.4



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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	1.2	2.4	3.5	5.9	10.6	15.3	22.4	28.3
115°	0.0	0.0	0.0	0.0	1.2	2.4	3.5	8.3	11.8	17.7	23.6
117.5°	0.0	0.0	0.0	0.0	1.2	2.4	2.4	5.9	9.4	14.2	18.9
120°	0.0	0.0	0.0	0.0	1.2	1.2	2.4	4.7	7.1	10.6	15.3
122.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4	4.7	8.3	11.8
125°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	3.5	5.9	9.4
127.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4	4.7	7.1
130°	1.2	0.0	0.0	0.0	1.2	0.0	1.2	1.2	2.4	3.5	4.7
132.5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	3.5
135°	1.2	1.2	0.0	0.0	1.2	0.0	0.0	1.2	1.2	1.2	2.4
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
170°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7	839.7
2.5°	840.8	831.4	837.3	836.1	834.9	832.6	838.5	833.8	836.1	836.1
5°	837.3	827.9	834.9	834.9	833.8	831.4	837.3	832.6	836.1	837.3
7.5°	831.4	824.3	831.4	830.2	830.2	827.9	833.8	830.2	833.8	833.8
10°	824.3	817.2	824.3	823.1	823.1	820.8	825.5	822.0	825.5	825.5
12.5°	814.9	807.8	816.1	814.9	813.7	812.5	817.2	813.7	818.4	818.4
15°	803.1	798.4	806.6	805.5	805.5	803.1	809.0	805.5	810.2	809.0
17.5°	790.1	785.4	793.7	793.7	792.5	792.5	796.0	792.5	798.4	798.4
20°	772.4	767.7	777.1	777.1	776.0	776.0	779.5	776.0	783.0	783.0
22.5°	753.6	750.0	758.3	759.5	758.3	758.3	761.8	759.5	766.5	766.5
25°	733.5	732.3	740.6	741.8	740.6	741.8	745.3	743.0	750.0	750.0
27.5°	712.3	712.3	720.5	721.7	722.9	722.9	726.4	724.1	732.3	731.2
30°	689.9	689.9	699.3	701.7	701.7	702.9	706.4	704.0	712.3	712.3
32.5°	666.3	667.5	676.9	680.4	680.4	682.8	685.2	684.0	692.2	694.6
35°	642.7	643.9	654.5	658.0	659.2	660.4	663.9	663.9	671.0	672.2
37.5°	615.6	620.3	629.7	634.5	635.6	638.0	641.5	641.5	649.8	652.1
40°	589.6	595.5	606.2	610.9	612.0	614.4	619.1	619.1	627.4	629.7
42.5°	564.9	572.0	581.4	588.5	589.6	593.2	595.5	597.9	606.2	608.5
45°	537.8	546.0	556.6	563.7	566.1	569.6	572.0	575.5	582.6	586.1
47.5°	511.8	520.1	531.9	540.1	541.3	546.0	548.4	551.9	559.0	562.5
50°	484.7	495.3	507.1	516.5	517.7	521.2	524.8	528.3	535.4	538.9
52.5°	458.7	469.4	481.1	490.6	492.9	496.5	500.0	503.6	511.8	515.3
55°	432.8	443.4	455.2	465.8	468.2	471.7	475.3	480.0	488.2	491.8
57.5°	406.9	418.6	430.4	441.1	443.4	448.1	451.7	456.4	463.5	468.2
60°	382.1	393.9	406.9	417.5	418.6	425.7	428.1	432.8	439.9	443.4
62.5°	356.1	371.5	382.1	393.9	396.2	401.0	404.5	409.2	416.3	421.0
65°	331.4	346.7	357.3	369.1	372.7	377.4	380.9	385.6	392.7	397.4
67.5°	307.8	323.1	334.9	346.7	350.2	353.8	358.5	363.2	369.1	375.0
70°	285.4	301.9	312.5	324.3	327.8	332.6	337.3	340.8	347.9	353.8
72.5°	263.0	279.5	290.1	303.1	305.4	310.2	314.9	319.6	325.5	330.2
75°	240.6	257.1	268.9	280.7	284.2	288.9	293.6	298.4	304.3	309.0
77.5°	219.3	235.9	247.7	260.6	263.0	267.7	273.6	278.3	283.0	287.7
80°	199.3	215.8	227.6	239.4	242.9	247.7	252.4	258.3	263.0	267.7
82.5°	181.6	196.9	207.6	220.5	222.9	227.6	232.3	237.0	241.8	246.5
85°	163.9	179.3	189.9	201.7	204.0	208.7	213.5	218.2	224.1	227.6
87.5°	147.4	161.6	173.4	184.0	186.3	191.0	195.8	199.3	204.0	208.7
90°	132.1	146.2	156.8	167.5	169.8	174.5	178.1	182.8	187.5	191.0
92.5°	116.7	130.9	140.3	150.9	153.3	158.0	162.7	166.3	171.0	174.5
95°	103.8	116.7	126.2	136.8	138.0	142.7	147.4	150.9	155.7	158.0
97.5°	90.8	103.8	113.2	122.6	123.8	128.5	133.3	136.8	140.3	143.9
100°	79.0	90.8	100.2	108.5	110.9	114.4	119.1	122.6	126.2	128.5
102.5°	68.4	79.0	87.3	96.7	97.9	102.6	106.1	109.7	113.2	115.6
105°	59.0	69.6	76.7	84.9	86.1	90.8	94.3	97.9	101.4	102.6
107.5°	50.7	59.0	66.0	74.3	76.7	79.0	82.6	86.1	89.6	90.8
110°	42.5	50.7	57.8	63.7	66.0	69.6	71.9	75.5	77.8	79.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	35.4	42.5	48.4	55.4	56.6	60.1	62.5	64.9	68.4	69.6
115°	29.5	36.6	41.3	47.2	48.4	50.7	54.2	56.6	59.0	60.1
117.5°	24.8	29.5	34.2	38.9	41.3	43.6	46.0	48.4	49.5	50.7
120°	20.0	24.8	28.3	33.0	34.2	36.6	38.9	40.1	42.5	43.6
122.5°	15.3	20.0	23.6	27.1	28.3	30.7	31.8	34.2	35.4	35.4
125°	11.8	15.3	18.9	21.2	22.4	24.8	25.9	28.3	29.5	29.5
127.5°	9.4	11.8	14.2	17.7	17.7	20.0	21.2	22.4	23.6	23.6
130°	7.1	9.4	11.8	13.0	14.2	15.3	16.5	17.7	18.9	18.9
132.5°	4.7	7.1	8.3	10.6	10.6	11.8	13.0	13.0	14.2	14.2
135°	3.5	4.7	5.9	7.1	8.3	8.3	9.4	10.6	10.6	10.6
137.5°	2.4	3.5	4.7	5.9	5.9	5.9	7.1	7.1	8.3	8.3
140°	1.2	2.4	2.4	3.5	3.5	4.7	4.7	4.7	5.9	5.9
142.5°	1.2	1.2	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5
145°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
165°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	1.2	0.0	0.0
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
170°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	0.0
175°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
177.5°	1.2	1.2	1.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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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	18.72	20.25	19.19	20.71	21.19	20.49	22.02	20.96	22.48	22.96
	3H	20.34	21.74	20.82	22.21	22.73	23.07	24.47	23.55	24.93	25.46
	4H	20.93	22.25	21.43	22.74	23.27	24.37	25.69	24.87	26.18	26.72
	6H	21.32	22.56	21.84	23.06	23.61	25.76	27.00	26.28	27.49	28.05
	8H	21.44	22.63	21.97	23.15	23.71	26.50	27.68	27.02	28.20	28.76
	12H	21.52	22.65	22.05	23.17	23.76	27.34	28.48	27.87	28.99	29.58
4H	2H	19.69	21.02	20.19	21.50	22.04	21.03	22.36	21.53	22.84	23.38
	3H	21.62	22.76	22.14	23.28	23.84	23.91	25.04	24.43	25.57	26.13
	4H	22.39	23.42	22.92	23.96	24.55	25.42	26.46	25.96	26.99	27.59
	6H	22.96	23.87	23.51	24.44	25.04	27.05	27.96	27.60	28.53	29.13
	8H	23.13	24.00	23.69	24.56	25.18	27.91	28.77	28.47	29.34	29.96
	12H	23.26	24.04	23.84	24.63	25.26	28.90	29.69	29.48	30.28	30.90
8H	4H	23.28	24.15	23.84	24.71	25.33	25.77	26.64	26.33	27.20	27.82
	6H	24.15	24.89	24.75	25.49	26.12	27.66	28.39	28.25	28.99	29.62
	8H	24.50	25.16	25.11	25.78	26.42	28.72	29.39	29.33	30.00	30.64
	12H	24.77	25.36	25.37	25.96	26.67	29.97	30.56	30.58	31.17	31.87
12H	4H	23.56	24.35	24.15	24.94	25.56	25.81	26.60	26.39	27.19	27.81
	6H	24.60	25.27	25.21	25.88	26.52	27.76	28.42	28.36	29.04	29.68
	8H	25.12	25.71	25.73	26.32	27.02	28.94	29.53	29.55	30.14	30.84