

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: P893404

Luminaire Tested: 4MB-3SL-FLTU-UNV-L850

Issue Date: 11/11/2024

**Test Information**

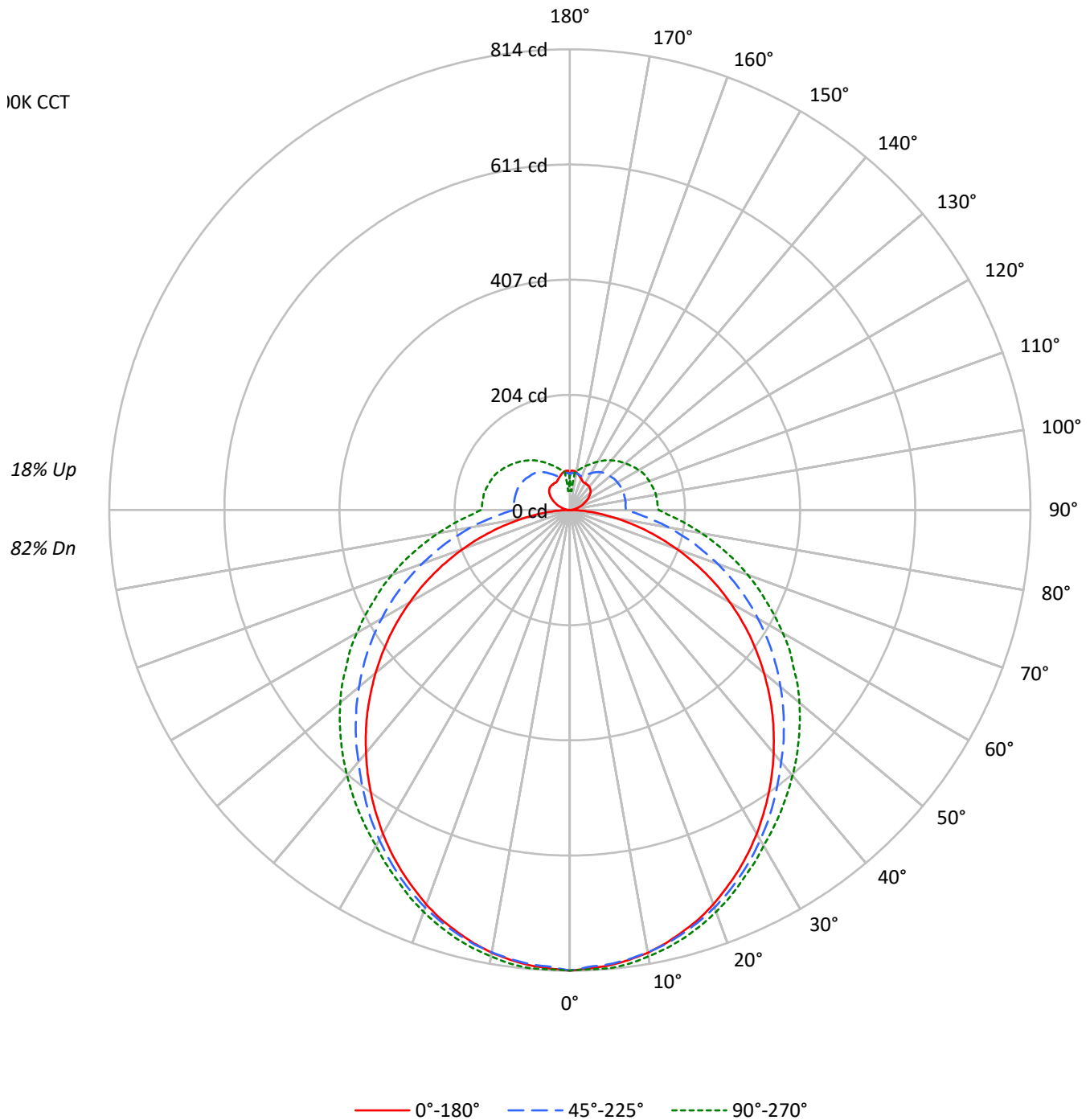
Test Method: LM-79-2019  
Report Number: P893404  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-3SL-FLTU-UNV-L850  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 500  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3076.0 lumens  
Efficiency: N/A  
Efficacy: 145.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')  
CIE Type: Semi-Direct  
  
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.2  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P893404  
CATALOG NUMBER: 4MB-3SL-FLTU-UNV-L850

### 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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

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

	0°	45°	90°
0°	5789	5789	5789
5°	5742	5547	5540
10°	5686	5334	5277
15°	5603	5121	5025
20°	5510	4902	4770
25°	5393	4675	4511
30°	5268	4442	4276
35°	5130	4209	4082
40°	4985	3980	3896
45°	4838	3779	3719
50°	4669	3572	3548
55°	4485	3369	3356
60°	4265	3151	3174
65°	4003	2921	2968
70°	3663	2669	2777
75°	3197	2411	2569
80°	2581	2136	2357
85°	1782	1855	2164

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4838 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.9	2.5
10°-20°	219.5	7.1
20°-30°	329.7	10.7
30°-40°	395.9	12.9
40°-50°	416.3	13.5
50°-60°	391.1	12.7
60°-70°	325.3	10.6
70°-80°	232.1	7.5
80°-90°	138.1	4.5
90°-100°	100.0	3.3
100°-110°	98.7	3.2
110°-120°	92.7	3.0
120°-130°	82.1	2.7
130°-140°	68.1	2.2
140°-150°	50.9	1.7
150°-160°	33.5	1.1
160°-170°	19.0	0.6
170°-180°	6.1	0.2
0°-30°	626.1	20.4
0°-40°	1022.0	33.2
0°-60°	1829.5	59.5
0°-90°	2524.9	82.1
90°-120°	291.4	9.5
90°-150°	492.5	16.0
90°-180°	551.0	17.9
0°-180°	3076.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	814	814	814	814	814	
5°	808	817	806	808	813	77
15°	771	783	774	780	782	218
25°	704	717	713	720	722	324
35°	612	626	629	644	650	383
45°	506	520	535	562	572	390
55°	389	404	436	472	482	347
65°	264	286	331	373	383	262
75°	139	170	227	270	285	148
85°	35	76	133	178	192	38
90°	0	44	99	142	157	2
95°	4	46	99	140	155	4
105°	14	51	100	139	152	15
115°	28	56	99	133	146	27
125°	42	59	96	125	134	37
135°	51	62	91	114	122	40
145°	54	61	82	101	107	34
155°	55	62	69	86	91	26
165°	63	67	65	65	76	18
175°	70	69	65	56	33	7
180°	61	61	61	61	61	



TEST NUMBER: P893404  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7
2.5°	810.7	812.9	813.7	821.1	818.1	821.1	815.9	809.9	808.5	812.2	807.7
5°	807.7	809.9	810.7	818.1	815.1	817.4	812.9	807.0	805.5	809.9	805.5
7.5°	801.8	804.0	804.7	812.9	809.2	812.2	807.0	801.0	800.3	804.7	800.3
10°	794.3	796.6	797.3	804.7	801.8	804.7	799.5	793.6	792.8	798.0	793.6
12.5°	783.9	786.2	787.6	795.1	791.4	795.1	789.1	783.2	783.9	788.4	785.4
15°	771.3	774.3	775.0	782.4	779.5	783.2	777.2	771.3	772.8	777.2	774.3
17.5°	757.9	760.9	761.6	768.3	765.4	769.8	763.1	757.9	759.4	763.9	761.6
20°	741.6	744.5	746.0	752.7	749.8	754.2	747.5	743.1	744.5	749.8	747.5
22.5°	723.0	727.5	728.2	735.6	731.9	736.4	729.7	726.0	728.2	733.4	731.2
25°	703.7	708.1	708.9	716.3	713.3	717.1	710.4	706.7	709.6	714.8	713.3
27.5°	682.9	687.3	688.8	695.5	692.5	697.0	689.6	687.3	690.3	695.5	694.0
30°	660.6	665.0	665.8	672.5	670.2	674.7	668.0	665.0	669.5	674.7	673.2
32.5°	636.8	641.3	643.5	649.4	647.2	650.9	645.0	643.5	647.2	652.4	651.7
35°	612.3	616.7	619.0	625.7	622.7	626.4	620.5	619.0	624.9	628.6	628.6
37.5°	587.0	591.5	593.7	600.4	596.7	601.1	595.2	594.5	601.1	604.9	604.9
40°	560.3	565.5	567.7	573.6	570.7	574.4	569.2	569.9	575.9	580.3	581.1
42.5°	533.5	538.7	540.9	547.6	543.9	547.6	543.2	543.9	550.6	555.1	558.8
45°	506.0	510.5	512.7	520.1	515.7	520.1	515.7	517.2	523.9	530.5	535.0
47.5°	477.0	481.5	485.2	491.2	487.4	491.2	488.2	490.4	498.6	505.3	511.2
50°	448.1	452.5	456.2	461.4	457.7	462.9	459.2	462.2	472.6	479.3	486.0
52.5°	418.3	422.1	428.0	431.0	428.0	433.9	431.0	435.4	445.8	454.0	461.4
55°	388.6	392.3	398.3	400.5	397.5	404.2	402.0	407.9	419.1	428.0	436.2
57.5°	358.2	361.9	367.1	369.3	367.1	374.5	373.8	380.4	391.6	401.3	410.2
60°	326.9	330.7	335.1	337.4	337.4	344.8	344.8	353.0	364.8	373.8	384.2
62.5°	296.5	298.7	303.2	306.1	308.4	315.8	315.8	324.7	337.4	347.8	358.2
65°	264.5	266.8	270.5	274.2	277.9	286.1	286.8	296.5	309.1	319.5	331.4
67.5°	232.6	234.8	238.5	243.0	248.2	256.4	257.8	268.2	281.6	293.5	304.7
70°	201.4	202.1	206.6	212.5	218.5	226.6	228.9	240.0	254.1	266.0	277.9
72.5°	170.2	170.9	175.4	182.8	189.5	198.4	201.4	213.3	227.4	239.3	251.2
75°	139.0	139.7	145.6	154.6	162.0	170.2	173.9	186.5	200.6	213.3	226.6
77.5°	109.2	110.7	116.7	125.6	134.5	144.2	147.9	160.5	176.1	188.0	200.6
80°	81.7	83.2	89.9	99.6	109.2	118.1	122.6	135.2	151.6	163.5	177.6
82.5°	56.5	58.7	66.9	77.3	86.9	96.6	101.1	112.9	127.8	141.2	154.6
85°	34.9	37.9	46.1	57.2	67.6	76.5	81.0	93.6	107.7	120.4	133.0
87.5°	16.3	20.8	29.0	40.1	51.3	58.7	63.9	76.5	89.9	102.5	115.2
90°	0.0	6.7	14.9	26.0	37.2	43.8	49.8	61.7	75.0	86.9	98.8
92.5°	1.5	7.4	16.3	26.8	37.9	44.6	50.5	62.4	75.0	86.9	98.8
95°	3.7	8.2	17.1	28.2	39.4	46.1	51.3	63.2	75.8	87.7	98.8
97.5°	6.7	10.4	19.3	29.7	40.9	46.8	52.8	64.6	76.5	88.4	99.6
100°	8.9	11.9	20.8	31.2	42.4	48.3	54.2	65.4	77.3	89.2	99.6
102.5°	11.1	14.9	23.0	32.7	43.8	49.8	55.0	66.1	78.0	89.2	99.6
105°	14.1	17.1	24.5	34.9	45.3	51.3	56.5	67.6	78.8	89.9	99.6
107.5°	17.1	19.3	26.8	36.4	46.8	52.0	57.2	68.4	79.5	89.9	99.6
110°	20.8	22.3	29.0	37.9	47.6	53.5	58.7	69.1	79.5	89.9	99.6



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CATALOG NUMBER: 4MB-3SL-FLTU-UNV-L850

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	24.5	24.5	31.2	39.4	49.0	54.2	59.4	69.8	80.3	89.9	99.6
115°	27.5	28.2	33.4	40.9	50.5	55.7	60.2	69.8	80.3	89.9	98.8
117.5°	31.2	31.2	36.4	42.4	51.3	56.5	61.7	70.6	80.3	89.2	98.1
120°	34.9	34.2	38.6	44.6	52.8	57.2	62.4	71.3	80.3	89.2	97.3
122.5°	38.6	37.2	40.1	46.1	53.5	58.7	62.4	71.3	80.3	88.4	96.6
125°	41.6	40.1	42.4	48.3	55.0	59.4	63.2	71.3	80.3	87.7	95.9
127.5°	44.6	43.1	45.3	49.8	55.7	59.4	63.9	71.3	80.3	86.9	94.4
130°	47.6	45.3	48.3	51.3	57.2	60.2	63.9	71.3	79.5	86.2	92.9
132.5°	49.8	47.6	50.5	52.8	58.0	60.9	64.6	71.3	78.8	85.5	92.1
135°	51.3	49.0	52.8	54.2	59.4	62.4	65.4	71.3	78.0	84.7	90.7
137.5°	52.8	49.8	54.2	55.7	60.2	63.2	65.4	70.6	77.3	83.2	89.2
140°	53.5	51.3	55.7	57.2	59.4	62.4	65.4	69.8	75.8	81.7	86.9
142.5°	54.2	51.3	56.5	58.0	59.4	61.7	64.6	68.4	74.3	79.5	84.7
145°	54.2	52.0	56.5	58.0	59.4	60.9	63.2	67.6	72.1	76.5	81.7
147.5°	54.2	52.8	57.2	58.7	60.2	60.2	61.7	66.1	69.8	74.3	78.8
150°	55.0	52.8	57.2	58.7	60.9	60.9	61.7	63.9	68.4	71.3	75.0
152.5°	54.2	53.5	56.5	59.4	60.9	61.7	61.7	62.4	66.1	69.1	72.1
155°	55.0	55.0	57.2	60.9	61.7	61.7	62.4	61.7	63.2	66.1	69.1
157.5°	56.5	58.0	58.0	61.7	63.2	63.2	63.9	63.2	62.4	63.2	66.1
160°	58.7	60.2	60.2	62.4	64.6	64.6	65.4	64.6	63.9	63.2	63.2
162.5°	60.9	62.4	62.4	63.2	65.4	66.1	66.9	66.1	65.4	63.9	63.2
165°	63.2	64.6	64.6	64.6	66.1	66.9	67.6	66.9	66.9	65.4	64.6
167.5°	65.4	66.9	66.9	66.1	66.9	67.6	68.4	67.6	67.6	66.9	65.4
170°	67.6	69.1	69.1	67.6	68.4	68.4	69.1	68.4	68.4	66.9	66.1
172.5°	69.1	70.6	69.8	69.1	69.1	69.1	69.1	68.4	67.6	66.1	66.1
175°	69.8	71.3	71.3	69.8	69.1	69.1	69.8	68.4	67.6	66.9	65.4
177.5°	69.8	71.3	71.3	69.8	69.8	69.1	69.8	69.1	69.1	67.6	66.1
180°	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7	813.7
2.5°	810.7	809.9	805.5	810.7	810.7	809.2	815.1	814.4	813.7	812.2
5°	807.7	807.0	802.5	807.7	807.7	807.0	812.9	813.7	814.4	812.9
7.5°	803.3	802.5	798.0	803.3	803.3	802.5	809.2	809.9	810.7	808.5
10°	796.6	795.8	791.4	796.6	797.3	796.6	801.8	802.5	804.0	801.0
12.5°	787.6	787.6	783.2	788.4	789.1	788.4	793.6	795.1	796.6	792.8
15°	776.5	777.2	773.5	778.7	779.5	779.5	784.7	785.4	787.6	782.4
17.5°	763.1	764.6	761.6	766.8	767.6	768.3	771.3	773.5	775.8	769.8
20°	749.0	749.8	747.5	752.0	753.5	752.7	756.4	759.4	761.6	755.7
22.5°	731.9	732.7	730.4	734.9	736.4	737.1	740.1	743.8	745.3	740.1
25°	712.6	715.6	714.1	718.5	720.0	720.0	723.0	726.7	728.9	721.5
27.5°	694.0	697.7	696.3	700.7	702.2	702.9	704.4	708.9	711.1	704.4
30°	673.2	677.7	676.9	681.4	682.9	682.1	685.1	689.6	692.5	685.1
32.5°	650.2	656.1	655.4	661.3	662.8	663.6	665.8	671.7	674.7	668.0
35°	627.9	634.6	635.3	642.0	644.2	645.0	648.0	653.9	656.9	650.2
37.5°	604.9	613.8	616.0	622.7	624.9	625.7	628.6	635.3	638.3	631.6
40°	582.6	593.0	595.9	601.9	604.1	606.3	608.6	615.3	619.0	612.3
42.5°	560.3	571.4	575.1	581.1	583.3	585.5	588.5	595.9	598.9	593.0
45°	537.2	549.1	553.6	559.5	562.5	564.7	567.7	574.4	578.1	572.2
47.5°	514.2	526.1	530.5	537.2	540.2	543.2	545.4	553.6	557.3	551.4
50°	489.7	503.1	508.3	514.2	518.7	520.9	523.9	531.3	535.0	529.8
52.5°	465.2	479.3	485.2	491.2	495.6	499.3	500.8	509.0	512.7	507.5
55°	439.9	454.0	460.7	467.4	471.8	476.3	477.8	486.0	489.7	482.2
57.5°	414.6	429.5	436.2	443.6	447.3	452.5	454.8	462.2	465.9	460.7
60°	389.4	403.5	411.7	418.3	423.5	428.0	429.5	437.7	441.4	434.7
62.5°	363.4	378.2	386.4	393.8	398.3	403.5	405.7	413.1	416.1	409.4
65°	336.6	351.5	360.4	367.1	373.0	377.5	379.0	387.1	390.1	383.4
67.5°	309.9	324.7	334.4	341.8	347.0	352.2	353.7	361.9	364.8	359.6
70°	283.9	298.7	308.4	317.3	321.0	326.2	328.4	335.9	338.8	334.4
72.5°	257.8	272.7	283.1	292.0	295.7	300.9	303.9	309.9	314.3	310.6
75°	232.6	247.4	257.8	266.8	270.5	275.7	278.6	284.6	287.6	284.6
77.5°	208.1	222.9	232.6	241.5	246.0	250.4	253.4	259.3	263.0	260.1
80°	184.3	199.1	208.8	217.0	221.4	225.9	228.9	235.6	238.5	236.3
82.5°	162.0	176.1	186.5	194.7	199.1	203.6	206.6	212.5	216.2	213.3
85°	141.9	156.0	165.7	173.9	177.6	182.1	185.0	191.0	193.9	192.5
87.5°	122.6	135.2	146.4	154.6	158.3	162.7	166.4	170.9	174.6	172.4
90°	107.7	118.9	129.3	137.5	141.9	146.4	150.8	155.3	158.3	156.8
92.5°	108.5	118.9	128.5	136.0	140.4	144.9	149.4	154.6	156.8	155.3
95°	108.5	118.9	128.5	136.0	140.4	144.9	149.4	154.6	156.8	155.3
97.5°	108.5	118.9	128.5	136.0	140.4	144.9	149.4	154.6	156.8	154.6
100°	108.5	118.9	128.5	136.0	140.4	144.2	148.6	153.8	156.0	154.6
102.5°	108.5	118.9	127.8	135.2	139.7	143.4	147.9	153.1	155.3	153.8
105°	108.5	118.1	127.8	134.5	139.0	142.7	147.1	151.6	153.8	152.3
107.5°	107.7	117.4	126.3	133.8	137.5	141.2	145.6	150.1	152.3	150.8
110°	107.7	116.7	125.6	132.3	136.0	139.7	144.2	148.6	150.8	149.4





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	107.0	115.9	124.8	130.8	134.5	138.2	141.9	147.1	149.4	147.9
115°	106.3	115.2	123.3	129.3	133.0	136.0	140.4	145.6	147.1	146.4
117.5°	105.5	113.7	121.9	127.8	131.5	134.5	138.2	142.7	144.9	144.2
120°	104.8	112.2	120.4	125.6	129.3	132.3	135.2	139.7	141.9	140.4
122.5°	103.3	110.7	118.9	124.1	127.1	130.0	133.0	136.7	139.0	138.2
125°	101.8	109.2	116.7	121.9	124.8	127.1	130.0	133.8	135.2	134.5
127.5°	100.3	107.7	114.4	118.9	122.6	124.8	127.1	130.8	132.3	131.5
130°	98.8	105.5	112.2	116.7	119.6	121.9	124.1	127.8	128.5	128.5
132.5°	97.3	103.3	110.0	114.4	117.4	118.9	121.1	124.1	125.6	124.8
135°	95.9	101.1	107.7	111.5	113.7	115.9	118.1	121.1	121.9	121.9
137.5°	93.6	98.8	104.8	108.5	110.7	112.2	114.4	117.4	118.1	118.1
140°	91.4	96.6	101.8	104.8	107.7	109.2	110.7	113.7	114.4	114.4
142.5°	89.2	93.6	98.8	101.8	104.8	105.5	107.7	110.0	110.7	110.7
145°	86.2	91.4	95.9	98.8	101.1	101.8	104.0	106.3	106.3	107.0
147.5°	82.5	86.9	92.9	95.1	97.3	98.1	100.3	101.8	102.5	102.5
150°	78.8	83.2	88.4	92.1	94.4	95.1	95.9	98.1	98.1	98.8
152.5°	75.0	78.8	84.0	87.7	90.7	91.4	92.1	93.6	93.6	94.4
155°	71.3	74.3	78.8	82.5	85.5	86.9	88.4	89.9	89.9	90.7
157.5°	68.4	71.3	75.0	78.0	80.3	82.5	84.7	86.2	86.2	86.2
160°	64.6	66.9	70.6	72.8	75.8	77.3	81.0	82.5	82.5	83.2
162.5°	62.4	63.2	65.4	67.6	69.8	71.3	75.0	78.8	78.8	79.5
165°	63.2	62.4	63.2	63.9	65.4	66.1	68.4	73.6	75.0	75.8
167.5°	64.6	62.4	62.4	62.4	63.9	63.9	66.1	69.1	74.3	72.8
170°	64.6	62.4	60.9	60.9	61.7	60.9	62.4	64.6	67.6	70.6
172.5°	65.4	63.2	60.9	58.0	58.7	58.0	56.5	56.5	57.2	66.9
175°	64.6	63.2	60.2	56.5	55.7	53.5	49.0	45.3	43.1	33.4
177.5°	63.9	61.7	59.4	56.5	55.0	52.8	47.6	41.6	35.7	34.2
180°	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9



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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	13.78	15.10	14.40	15.74	16.46	16.33	17.65	16.95	18.29	19.01
	3H	15.19	16.39	15.82	17.03	17.79	18.76	19.96	19.39	20.61	21.36
	4H	15.62	16.76	16.27	17.41	18.18	19.90	21.04	20.55	21.70	22.47
	6H	15.86	16.91	16.52	17.58	18.36	21.04	22.10	21.70	22.76	23.55
	8H	15.90	16.91	16.57	17.60	18.38	21.60	22.61	22.27	23.30	24.09
	12H	15.91	16.88	16.59	17.56	18.38	22.18	23.15	22.86	23.83	24.65
4H	2H	14.67	15.81	15.32	16.47	17.23	16.68	17.82	17.33	18.48	19.25
	3H	16.30	17.26	16.96	17.96	18.75	19.32	20.28	19.98	20.97	21.76
	4H	16.85	17.74	17.53	18.43	19.25	20.61	21.49	21.29	22.19	23.01
	6H	17.19	17.97	17.89	18.69	19.52	21.92	22.70	22.62	23.42	24.24
	8H	17.27	18.00	17.97	18.72	19.56	22.57	23.31	23.28	24.03	24.87
	12H	17.30	17.96	18.02	18.71	19.55	23.28	23.94	24.00	24.68	25.53
8H	4H	17.50	18.23	18.20	18.95	19.79	20.76	21.49	21.46	22.21	23.05
	6H	18.01	18.62	18.74	19.38	20.23	22.21	22.83	22.95	23.59	24.43
	8H	18.16	18.72	18.91	19.48	20.34	22.99	23.55	23.74	24.31	25.17
	12H	18.25	18.75	19.00	19.50	20.42	23.85	24.35	24.60	25.10	26.02
12H	4H	17.67	18.33	18.39	19.07	19.92	20.75	21.41	21.47	22.16	23.00
	6H	18.26	18.82	19.01	19.58	20.44	22.23	22.79	22.98	23.55	24.41
	8H	18.50	18.99	19.25	19.74	20.66	23.06	23.56	23.81	24.31	25.23