

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: P893519

Luminaire Tested: 4MB-4SL-FLTU-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893519
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-4SL-FLTU-UNV-L940
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 400
Light Source: -
Ballast/Driver: -

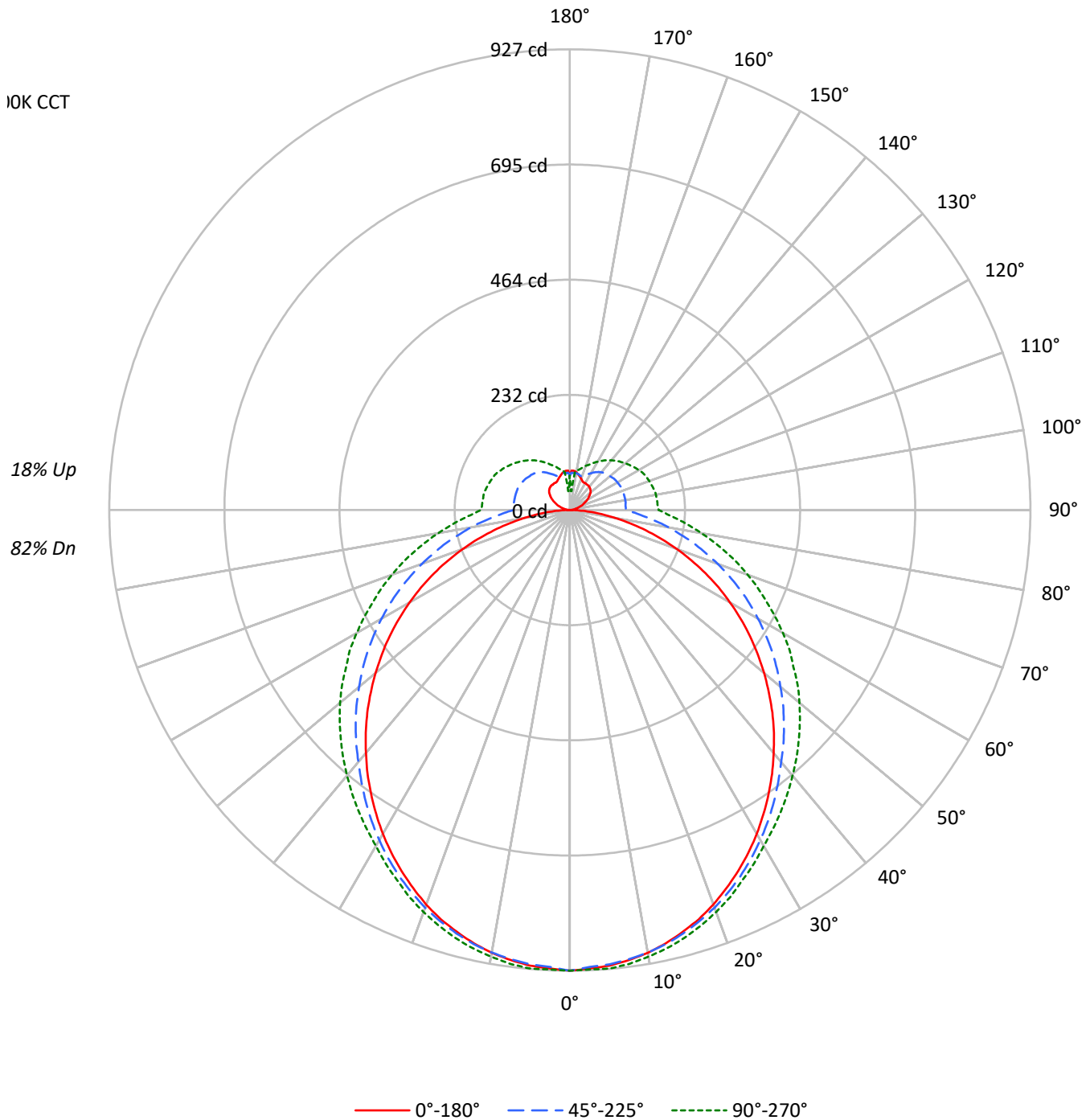
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3504.0 lumens
Efficiency: N/A
Efficacy: 117.6 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): 29.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.5
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893519
CATALOG NUMBER: 4MB-4SL-FLTU-UNV-L940

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°	6595	6595	6595
5°	6542	6319	6311
10°	6478	6076	6012
15°	6382	5833	5725
20°	6277	5584	5434
25°	6143	5325	5139
30°	6001	5060	4871
35°	5844	4795	4649
40°	5678	4533	4438
45°	5511	4305	4237
50°	5318	4069	4041
55°	5109	3838	3823
60°	4859	3589	3615
65°	4560	3327	3381
70°	4172	3040	3163
75°	3640	2747	2927
80°	2941	2433	2685
85°	2033	2114	2464

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	2.5
10°-20°	250.0	7.1
20°-30°	375.6	10.7
30°-40°	451.0	12.9
40°-50°	474.2	13.5
50°-60°	445.6	12.7
60°-70°	370.5	10.6
70°-80°	264.4	7.5
80°-90°	157.4	4.5
90°-100°	113.9	3.3
100°-110°	112.4	3.2
110°-120°	105.6	3.0
120°-130°	93.5	2.7
130°-140°	77.5	2.2
140°-150°	58.0	1.7
150°-160°	38.2	1.1
160°-170°	21.6	0.6
170°-180°	6.9	0.2
0°-30°	713.2	20.4
0°-40°	1164.2	33.2
0°-60°	2084.0	59.5
0°-90°	2876.3	82.1
90°-120°	331.9	9.5
90°-150°	561.0	16.0
90°-180°	628.0	17.9
0°-180°	3504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	927	927	927	927	927	
5°	920	931	918	920	926	87
15°	879	892	882	888	891	248
25°	802	817	813	820	822	369
35°	698	714	716	734	741	436
45°	576	592	609	641	652	444
55°	443	460	497	538	549	396
65°	301	326	378	425	437	298
75°	158	194	258	308	324	168
85°	40	87	152	202	219	43
90°	0	50	113	162	179	3
95°	4	52	113	160	177	5
105°	16	58	113	158	174	17
115°	31	64	113	152	167	31
125°	47	68	109	142	153	42
135°	58	71	103	130	139	45
145°	62	69	93	115	122	39
155°	63	70	79	97	103	29
165°	72	76	74	74	86	20
175°	80	79	74	64	38	7
180°	69	69	69	69	69	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9
2.5°	923.5	926.0	926.9	935.3	931.9	935.3	929.4	922.6	920.9	925.2	920.1
5°	920.1	922.6	923.5	931.9	928.6	931.1	926.0	919.2	917.6	922.6	917.6
7.5°	913.3	915.9	916.7	926.0	921.8	925.2	919.2	912.5	911.6	916.7	911.6
10°	904.9	907.4	908.2	916.7	913.3	916.7	910.8	904.0	903.2	909.1	904.0
12.5°	893.0	895.5	897.2	905.7	901.5	905.7	898.9	892.2	893.0	898.1	894.7
15°	878.6	882.0	882.9	891.3	887.9	892.2	885.4	878.6	880.3	885.4	882.0
17.5°	863.4	866.8	867.6	875.2	871.8	876.9	869.3	863.4	865.1	870.2	867.6
20°	844.8	848.1	849.8	857.5	854.1	859.2	851.5	846.5	848.1	854.1	851.5
22.5°	823.6	828.7	829.5	838.0	833.8	838.8	831.2	827.0	829.5	835.5	832.9
25°	801.6	806.7	807.5	816.0	812.6	816.8	809.2	805.0	808.4	814.3	812.6
27.5°	777.9	783.0	784.7	792.3	788.9	794.0	785.5	783.0	786.4	792.3	790.6
30°	752.5	757.6	758.4	766.0	763.5	768.6	761.0	757.6	762.7	768.6	766.9
32.5°	725.4	730.5	733.0	739.8	737.3	741.5	734.7	733.0	737.3	743.2	742.3
35°	697.5	702.6	705.1	712.7	709.3	713.6	706.8	705.1	711.9	716.1	716.1
37.5°	668.7	673.8	676.3	683.9	679.7	684.8	678.0	677.2	684.8	689.0	689.0
40°	638.2	644.2	646.7	653.5	650.1	654.3	648.4	649.2	656.0	661.1	661.9
42.5°	607.8	613.7	616.2	623.8	619.6	623.8	618.8	619.6	627.2	632.3	636.5
45°	576.4	581.5	584.1	592.5	587.4	592.5	587.4	589.1	596.8	604.4	609.4
47.5°	543.4	548.5	552.7	559.5	555.3	559.5	556.1	558.7	568.0	575.6	582.4
50°	510.4	515.5	519.7	525.6	521.4	527.3	523.1	526.5	538.3	546.0	553.6
52.5°	476.6	480.8	487.6	490.9	487.6	494.3	490.9	496.0	507.9	517.2	525.6
55°	442.7	446.9	453.7	456.2	452.9	460.5	457.9	464.7	477.4	487.6	496.9
57.5°	408.0	412.2	418.1	420.7	418.1	426.6	425.8	433.4	446.1	457.1	467.2
60°	372.4	376.7	381.8	384.3	384.3	392.8	392.8	402.1	415.6	425.8	437.6
62.5°	337.7	340.3	345.4	348.7	351.3	359.7	359.7	369.9	384.3	396.1	408.0
65°	301.3	303.9	308.1	312.3	316.6	325.9	326.7	337.7	352.1	364.0	377.5
67.5°	264.9	267.5	271.7	276.8	282.7	292.0	293.7	305.6	320.8	334.3	347.0
70°	229.4	230.2	235.3	242.1	248.9	258.2	260.7	273.4	289.5	303.0	316.6
72.5°	193.8	194.7	199.8	208.2	215.8	226.0	229.4	242.9	259.0	272.6	286.1
75°	158.3	159.1	165.9	176.1	184.5	193.8	198.1	212.5	228.5	242.9	258.2
77.5°	124.4	126.1	132.9	143.1	153.2	164.2	168.4	182.8	200.6	214.2	228.5
80°	93.1	94.8	102.4	113.4	124.4	134.6	139.7	154.1	172.7	186.2	202.3
82.5°	64.3	66.9	76.2	88.0	99.0	110.0	115.1	128.7	145.6	160.8	176.1
85°	39.8	43.2	52.5	65.2	77.0	87.2	92.3	106.7	122.7	137.1	151.5
87.5°	18.6	23.7	33.0	45.7	58.4	66.9	72.8	87.2	102.4	116.8	131.2
90°	0.0	7.6	16.9	29.6	42.3	49.9	56.7	70.3	85.5	99.0	112.6
92.5°	1.7	8.5	18.6	30.5	43.2	50.8	57.6	71.1	85.5	99.0	112.6
95°	4.2	9.3	19.5	32.2	44.9	52.5	58.4	71.9	86.3	99.9	112.6
97.5°	7.6	11.9	22.0	33.9	46.6	53.3	60.1	73.6	87.2	100.7	113.4
100°	10.2	13.5	23.7	35.6	48.2	55.0	61.8	74.5	88.0	101.6	113.4
102.5°	12.7	16.9	26.2	37.2	49.9	56.7	62.6	75.3	88.9	101.6	113.4
105°	16.1	19.5	27.9	39.8	51.6	58.4	64.3	77.0	89.7	102.4	113.4
107.5°	19.5	22.0	30.5	41.5	53.3	59.3	65.2	77.9	90.6	102.4	113.4
110°	23.7	25.4	33.0	43.2	54.2	60.9	66.9	78.7	90.6	102.4	113.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	27.9	27.9	35.6	44.9	55.9	61.8	67.7	79.6	91.4	102.4	113.4
115°	31.3	32.2	38.1	46.6	57.6	63.5	68.6	79.6	91.4	102.4	112.6
117.5°	35.6	35.6	41.5	48.2	58.4	64.3	70.3	80.4	91.4	101.6	111.7
120°	39.8	38.9	44.0	50.8	60.1	65.2	71.1	81.3	91.4	101.6	110.9
122.5°	44.0	42.3	45.7	52.5	60.9	66.9	71.1	81.3	91.4	100.7	110.0
125°	47.4	45.7	48.2	55.0	62.6	67.7	71.9	81.3	91.4	99.9	109.2
127.5°	50.8	49.1	51.6	56.7	63.5	67.7	72.8	81.3	91.4	99.0	107.5
130°	54.2	51.6	55.0	58.4	65.2	68.6	72.8	81.3	90.6	98.2	105.8
132.5°	56.7	54.2	57.6	60.1	66.0	69.4	73.6	81.3	89.7	97.3	105.0
135°	58.4	55.9	60.1	61.8	67.7	71.1	74.5	81.3	88.9	96.5	103.3
137.5°	60.1	56.7	61.8	63.5	68.6	71.9	74.5	80.4	88.0	94.8	101.6
140°	60.9	58.4	63.5	65.2	67.7	71.1	74.5	79.6	86.3	93.1	99.0
142.5°	61.8	58.4	64.3	66.0	67.7	70.3	73.6	77.9	84.6	90.6	96.5
145°	61.8	59.3	64.3	66.0	67.7	69.4	71.9	77.0	82.1	87.2	93.1
147.5°	61.8	60.1	65.2	66.9	68.6	68.6	70.3	75.3	79.6	84.6	89.7
150°	62.6	60.1	65.2	66.9	69.4	69.4	70.3	72.8	77.9	81.3	85.5
152.5°	61.8	60.9	64.3	67.7	69.4	70.3	70.3	71.1	75.3	78.7	82.1
155°	62.6	62.6	65.2	69.4	70.3	70.3	71.1	70.3	71.9	75.3	78.7
157.5°	64.3	66.0	66.0	70.3	71.9	71.9	72.8	71.9	71.1	71.9	75.3
160°	66.9	68.6	68.6	71.1	73.6	73.6	74.5	73.6	72.8	71.9	71.9
162.5°	69.4	71.1	71.1	71.9	74.5	75.3	76.2	75.3	74.5	72.8	71.9
165°	71.9	73.6	73.6	73.6	75.3	76.2	77.0	76.2	76.2	74.5	73.6
167.5°	74.5	76.2	76.2	75.3	76.2	77.0	77.9	77.0	77.0	76.2	74.5
170°	77.0	78.7	78.7	77.0	77.9	77.9	78.7	77.9	77.9	76.2	75.3
172.5°	78.7	80.4	79.6	78.7	78.7	78.7	78.7	77.9	77.0	75.3	75.3
175°	79.6	81.3	81.3	79.6	78.7	78.7	79.6	77.9	77.0	76.2	74.5
177.5°	79.6	81.3	81.3	79.6	79.6	78.7	79.6	78.7	78.7	77.0	75.3
180°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9
2.5°	923.5	922.6	917.6	923.5	923.5	921.8	928.6	927.7	926.9	925.2
5°	920.1	919.2	914.2	920.1	920.1	919.2	926.0	926.9	927.7	926.0
7.5°	915.0	914.2	909.1	915.0	915.0	914.2	921.8	922.6	923.5	920.9
10°	907.4	906.6	901.5	907.4	908.2	907.4	913.3	914.2	915.9	912.5
12.5°	897.2	897.2	892.2	898.1	898.9	898.1	904.0	905.7	907.4	903.2
15°	884.5	885.4	881.2	887.1	887.9	887.9	893.9	894.7	897.2	891.3
17.5°	869.3	871.0	867.6	873.5	874.4	875.2	878.6	881.2	883.7	876.9
20°	853.2	854.1	851.5	856.6	858.3	857.5	861.7	865.1	867.6	860.8
22.5°	833.8	834.6	832.1	837.1	838.8	839.7	843.1	847.3	849.0	843.1
25°	811.7	815.1	813.4	818.5	820.2	820.2	823.6	827.8	830.4	821.9
27.5°	790.6	794.8	793.1	798.2	799.9	800.7	802.4	807.5	810.1	802.4
30°	766.9	772.0	771.1	776.2	777.9	777.0	780.4	785.5	788.9	780.4
32.5°	740.6	747.4	746.6	753.3	755.0	755.9	758.4	765.2	768.6	761.0
35°	715.3	722.9	723.7	731.3	733.9	734.7	738.1	744.9	748.3	740.6
37.5°	689.0	699.2	701.7	709.3	711.9	712.7	716.1	723.7	727.1	719.5
40°	663.6	675.5	678.9	685.6	688.2	690.7	693.2	700.9	705.1	697.5
42.5°	638.2	650.9	655.2	661.9	664.5	667.0	670.4	678.9	682.2	675.5
45°	612.0	625.5	630.6	637.4	640.8	643.3	646.7	654.3	658.5	651.8
47.5°	585.7	599.3	604.4	612.0	615.4	618.8	621.3	630.6	634.8	628.1
50°	557.8	573.0	579.0	585.7	590.8	593.4	596.8	605.2	609.4	603.5
52.5°	529.9	546.0	552.7	559.5	564.6	568.8	570.5	579.8	584.1	578.1
55°	501.1	517.2	524.8	532.4	537.5	542.6	544.3	553.6	557.8	549.3
57.5°	472.3	489.3	496.9	505.3	509.6	515.5	518.0	526.5	530.7	524.8
60°	443.5	459.6	468.9	476.6	482.5	487.6	489.3	498.6	502.8	495.2
62.5°	413.9	430.8	440.2	448.6	453.7	459.6	462.2	470.6	474.0	466.4
65°	383.4	400.4	410.5	418.1	424.9	430.0	431.7	441.0	444.4	436.8
67.5°	353.0	369.9	380.9	389.4	395.3	401.2	402.9	412.2	415.6	409.7
70°	323.3	340.3	351.3	361.4	365.7	371.6	374.1	382.6	386.0	380.9
72.5°	293.7	310.6	322.5	332.7	336.9	342.8	346.2	353.0	358.1	353.8
75°	264.9	281.9	293.7	303.9	308.1	314.0	317.4	324.2	327.6	324.2
77.5°	237.0	253.9	264.9	275.1	280.2	285.3	288.6	295.4	299.6	296.3
80°	209.9	226.8	237.9	247.2	252.2	257.3	260.7	268.3	271.7	269.2
82.5°	184.5	200.6	212.5	221.8	226.8	231.9	235.3	242.1	246.3	242.9
85°	161.7	177.8	188.8	198.1	202.3	207.4	210.8	217.5	220.9	219.2
87.5°	139.7	154.1	166.8	176.1	180.3	185.4	189.6	194.7	198.9	196.4
90°	122.7	135.4	147.3	156.6	161.7	166.8	171.8	176.9	180.3	178.6
92.5°	123.6	135.4	146.4	154.9	160.0	165.1	170.1	176.1	178.6	176.9
95°	123.6	135.4	146.4	154.9	160.0	165.1	170.1	176.1	178.6	176.9
97.5°	123.6	135.4	146.4	154.9	160.0	165.1	170.1	176.1	178.6	176.1
100°	123.6	135.4	146.4	154.9	160.0	164.2	169.3	175.2	177.8	176.1
102.5°	123.6	135.4	145.6	154.1	159.1	163.4	168.4	174.4	176.9	175.2
105°	123.6	134.6	145.6	153.2	158.3	162.5	167.6	172.7	175.2	173.5
107.5°	122.7	133.7	143.9	152.4	156.6	160.8	165.9	171.0	173.5	171.8
110°	122.7	132.9	143.1	150.7	154.9	159.1	164.2	169.3	171.8	170.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	121.9	132.0	142.2	149.0	153.2	157.4	161.7	167.6	170.1	168.4
115°	121.0	131.2	140.5	147.3	151.5	154.9	160.0	165.9	167.6	166.8
117.5°	120.2	129.5	138.8	145.6	149.8	153.2	157.4	162.5	165.1	164.2
120°	119.4	127.8	137.1	143.1	147.3	150.7	154.1	159.1	161.7	160.0
122.5°	117.7	126.1	135.4	141.4	144.7	148.1	151.5	155.7	158.3	157.4
125°	116.0	124.4	132.9	138.8	142.2	144.7	148.1	152.4	154.1	153.2
127.5°	114.3	122.7	130.4	135.4	139.7	142.2	144.7	149.0	150.7	149.8
130°	112.6	120.2	127.8	132.9	136.3	138.8	141.4	145.6	146.4	146.4
132.5°	110.9	117.7	125.3	130.4	133.7	135.4	138.0	141.4	143.1	142.2
135°	109.2	115.1	122.7	127.0	129.5	132.0	134.6	138.0	138.8	138.8
137.5°	106.7	112.6	119.4	123.6	126.1	127.8	130.4	133.7	134.6	134.6
140°	104.1	110.0	116.0	119.4	122.7	124.4	126.1	129.5	130.4	130.4
142.5°	101.6	106.7	112.6	116.0	119.4	120.2	122.7	125.3	126.1	126.1
145°	98.2	104.1	109.2	112.6	115.1	116.0	118.5	121.0	121.0	121.9
147.5°	94.0	99.0	105.8	108.3	110.9	111.7	114.3	116.0	116.8	116.8
150°	89.7	94.8	100.7	105.0	107.5	108.3	109.2	111.7	111.7	112.6
152.5°	85.5	89.7	95.6	99.9	103.3	104.1	105.0	106.7	106.7	107.5
155°	81.3	84.6	89.7	94.0	97.3	99.0	100.7	102.4	102.4	103.3
157.5°	77.9	81.3	85.5	88.9	91.4	94.0	96.5	98.2	98.2	98.2
160°	73.6	76.2	80.4	83.0	86.3	88.0	92.3	94.0	94.0	94.8
162.5°	71.1	71.9	74.5	77.0	79.6	81.3	85.5	89.7	89.7	90.6
165°	71.9	71.1	71.9	72.8	74.5	75.3	77.9	83.8	85.5	86.3
167.5°	73.6	71.1	71.1	71.1	72.8	72.8	75.3	78.7	84.6	83.0
170°	73.6	71.1	69.4	69.4	70.3	69.4	71.1	73.6	77.0	80.4
172.5°	74.5	71.9	69.4	66.0	66.9	66.0	64.3	64.3	65.2	76.2
175°	73.6	71.9	68.6	64.3	63.5	60.9	55.9	51.6	49.1	38.1
177.5°	72.8	70.3	67.7	64.3	62.6	60.1	54.2	47.4	40.6	38.9
180°	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4



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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	14.24	15.56	14.85	16.19	16.91	16.79	18.11	17.40	18.74	19.46
	3H	15.64	16.84	16.27	17.48	18.24	19.22	20.42	19.84	21.06	21.81
	4H	16.07	17.21	16.72	17.86	18.63	20.36	21.49	21.00	22.15	22.92
	6H	16.31	17.36	16.97	18.03	18.81	21.49	22.55	22.16	23.22	24.00
	8H	16.35	17.36	17.02	18.05	18.84	22.05	23.06	22.72	23.75	24.54
	12H	16.36	17.33	17.04	18.01	18.83	22.64	23.60	23.31	24.28	25.10
4H	2H	15.13	16.26	15.78	16.92	17.69	17.14	18.27	17.79	18.93	19.70
	3H	16.75	17.72	17.41	18.41	19.20	19.77	20.73	20.43	21.43	22.22
	4H	17.30	18.19	17.98	18.89	19.71	21.06	21.94	21.74	22.64	23.46
	6H	17.64	18.42	18.34	19.14	19.97	22.37	23.15	23.07	23.87	24.70
	8H	17.72	18.45	18.42	19.17	20.01	23.03	23.76	23.73	24.48	25.32
	12H	17.75	18.41	18.48	19.16	20.00	23.73	24.39	24.45	25.13	25.98
8H	4H	17.95	18.69	18.66	19.40	20.25	21.21	21.94	21.91	22.66	23.50
	6H	18.46	19.08	19.19	19.84	20.68	22.67	23.28	23.40	24.04	24.89
	8H	18.61	19.17	19.36	19.93	20.79	23.45	24.00	24.19	24.76	25.62
	12H	18.70	19.20	19.45	19.95	20.87	24.31	24.80	25.05	25.55	26.47
12H	4H	18.12	18.78	18.84	19.52	20.37	21.20	21.87	21.93	22.61	23.45
	6H	18.72	19.27	19.46	20.03	20.89	22.68	23.24	23.43	24.00	24.86
	8H	18.95	19.44	19.70	20.20	21.11	23.52	24.01	24.26	24.76	25.68