

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: P893630

Luminaire Tested: 4MB-5SL-FLTU-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893630
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-5SL-FLTU-UNV-L935
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 350
Light Source: -
Ballast/Driver: -

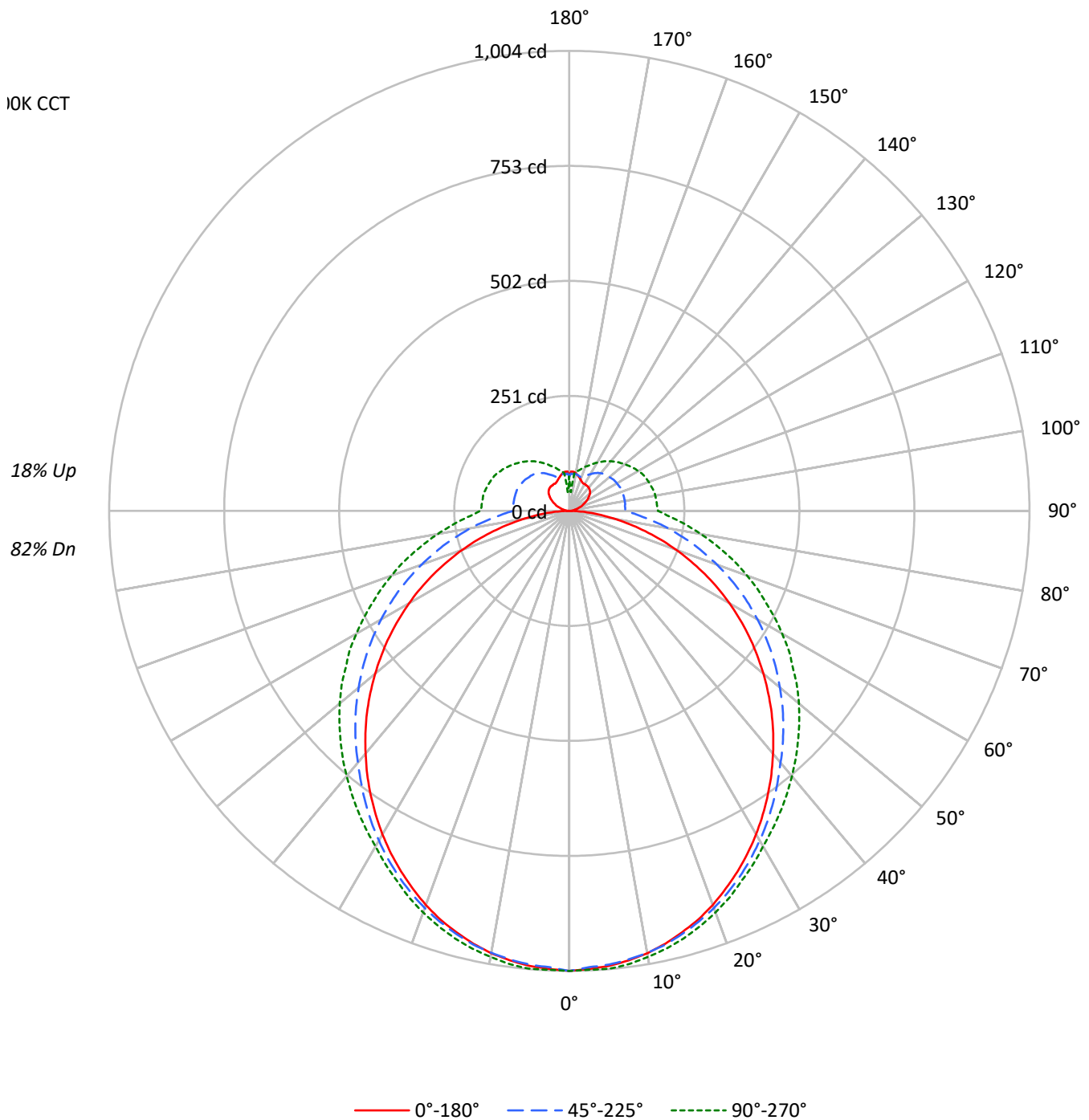
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3796.0 lumens
Efficiency: N/A
Efficacy: 108.5 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): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.55
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L935

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°	7144	7144	7144
5°	7087	6845	6837
10°	7018	6583	6512
15°	6914	6319	6202
20°	6800	6050	5887
25°	6655	5769	5568
30°	6501	5482	5277
35°	6331	5195	5037
40°	6151	4911	4808
45°	5971	4663	4590
50°	5761	4408	4378
55°	5535	4157	4141
60°	5264	3888	3916
65°	4940	3605	3663
70°	4519	3294	3426
75°	3944	2975	3171
80°	3188	2636	2909
85°	2201	2289	2669

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5971 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	2.5
10°-20°	270.8	7.1
20°-30°	406.9	10.7
30°-40°	488.6	12.9
40°-50°	513.7	13.5
50°-60°	482.7	12.7
60°-70°	401.4	10.6
70°-80°	286.4	7.5
80°-90°	170.5	4.5
90°-100°	123.4	3.3
100°-110°	121.8	3.2
110°-120°	114.4	3.0
120°-130°	101.3	2.7
130°-140°	84.0	2.2
140°-150°	62.9	1.7
150°-160°	41.3	1.1
160°-170°	23.4	0.6
170°-180°	7.5	0.2
0°-30°	772.7	20.4
0°-40°	1261.2	33.2
0°-60°	2257.7	59.5
0°-90°	3116.0	82.1
90°-120°	359.6	9.5
90°-150°	607.8	16.0
90°-180°	680.0	17.9
0°-180°	3796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1004	1004	1004	1004	1004	
5°	997	1009	994	997	1003	95
15°	952	966	956	962	966	269
25°	868	885	880	889	890	400
35°	756	773	776	795	802	473
45°	624	642	660	694	706	481
55°	480	499	538	582	595	428
65°	326	353	409	460	473	323
75°	172	210	280	334	351	182
85°	43	94	164	219	238	47
90°	0	54	122	175	194	3
95°	5	57	122	173	192	5
105°	17	63	123	172	188	19
115°	34	69	122	164	181	34
125°	51	73	118	154	166	46
135°	63	77	112	140	150	49
145°	67	75	101	125	132	42
155°	68	76	85	106	112	32
165°	78	82	80	81	94	22
175°	86	85	81	69	41	8
180°	75	75	75	75	75	



TEST NUMBER: P893630
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1
2.5°	1000.4	1003.2	1004.1	1013.3	1009.6	1013.3	1006.9	999.5	997.7	1002.3	996.8
5°	996.8	999.5	1000.4	1009.6	1005.9	1008.7	1003.2	995.9	994.0	999.5	994.0
7.5°	989.4	992.2	993.1	1003.2	998.6	1002.3	995.9	988.5	987.6	993.1	987.6
10°	980.3	983.0	983.9	993.1	989.4	993.1	986.7	979.3	978.4	984.8	979.3
12.5°	967.4	970.2	972.0	981.2	976.6	981.2	973.8	966.5	967.4	972.9	969.3
15°	951.8	955.5	956.4	965.6	961.9	966.5	959.2	951.8	953.7	959.2	955.5
17.5°	935.3	939.0	939.9	948.2	944.5	950.0	941.8	935.3	937.2	942.7	939.9
20°	915.2	918.8	920.7	928.9	925.2	930.7	922.5	917.0	918.8	925.2	922.5
22.5°	892.2	897.7	898.7	907.8	903.2	908.7	900.5	895.9	898.7	905.1	902.3
25°	868.4	873.9	874.8	884.0	880.3	884.9	876.6	872.1	875.7	882.1	880.3
27.5°	842.7	848.2	850.1	858.3	854.6	860.1	851.0	848.2	851.9	858.3	856.5
30°	815.2	820.7	821.6	829.9	827.1	832.6	824.4	820.7	826.2	832.6	830.8
32.5°	785.9	791.4	794.1	801.5	798.7	803.3	795.9	794.1	798.7	805.1	804.2
35°	755.6	761.1	763.9	772.1	768.4	773.0	765.7	763.9	771.2	775.8	775.8
37.5°	724.4	729.9	732.7	740.9	736.3	741.8	734.5	733.6	741.8	746.4	746.4
40°	691.4	697.8	700.6	707.9	704.2	708.8	702.4	703.3	710.7	716.2	717.1
42.5°	658.4	664.8	667.6	675.8	671.2	675.8	670.3	671.2	679.5	685.0	689.6
45°	624.5	630.0	632.7	641.9	636.4	641.9	636.4	638.2	646.5	654.7	660.2
47.5°	588.7	594.2	598.8	606.1	601.5	606.1	602.5	605.2	615.3	623.6	630.9
50°	552.9	558.4	563.0	569.5	564.9	571.3	566.7	570.4	583.2	591.5	599.7
52.5°	516.3	520.9	528.2	531.9	528.2	535.5	531.9	537.4	550.2	560.3	569.5
55°	479.6	484.2	491.5	494.3	490.6	498.8	496.1	503.4	517.2	528.2	538.3
57.5°	442.0	446.6	453.0	455.7	453.0	462.2	461.2	469.5	483.3	495.2	506.2
60°	403.5	408.1	413.6	416.3	416.3	425.5	425.5	435.6	450.2	461.2	474.1
62.5°	365.9	368.6	374.1	377.8	380.6	389.7	389.7	400.7	416.3	429.2	442.0
65°	326.4	329.2	333.8	338.4	343.0	353.0	354.0	365.9	381.5	394.3	409.0
67.5°	287.0	289.8	294.4	299.9	306.3	316.4	318.2	331.0	347.5	362.2	376.0
70°	248.5	249.4	254.9	262.3	269.6	279.7	282.4	296.2	313.6	328.3	343.0
72.5°	210.0	210.9	216.4	225.6	233.8	244.8	248.5	263.2	280.6	295.3	309.9
75°	171.5	172.4	179.7	190.7	199.9	210.0	214.6	230.2	247.6	263.2	279.7
77.5°	134.8	136.6	144.0	155.0	166.0	177.9	182.5	198.1	217.3	232.0	247.6
80°	100.9	102.7	111.0	122.9	134.8	145.8	151.3	166.9	187.1	201.7	219.2
82.5°	69.7	72.4	82.5	95.4	107.3	119.2	124.7	139.4	157.7	174.2	190.7
85°	43.1	46.8	56.9	70.6	83.4	94.5	100.0	115.5	133.0	148.6	164.1
87.5°	20.2	25.7	35.8	49.5	63.3	72.4	78.9	94.5	111.0	126.5	142.1
90°	0.0	8.3	18.3	32.1	45.8	54.1	61.4	76.1	92.6	107.3	122.0
92.5°	1.8	9.2	20.2	33.0	46.8	55.0	62.4	77.0	92.6	107.3	122.0
95°	4.6	10.1	21.1	34.8	48.6	56.9	63.3	77.9	93.5	108.2	122.0
97.5°	8.3	12.8	23.8	36.7	50.4	57.8	65.1	79.8	94.5	109.1	122.9
100°	11.0	14.7	25.7	38.5	52.3	59.6	66.9	80.7	95.4	110.0	122.9
102.5°	13.8	18.3	28.4	40.3	54.1	61.4	67.9	81.6	96.3	110.0	122.9
105°	17.4	21.1	30.3	43.1	55.9	63.3	69.7	83.4	97.2	111.0	122.9
107.5°	21.1	23.8	33.0	44.9	57.8	64.2	70.6	84.4	98.1	111.0	122.9
110°	25.7	27.5	35.8	46.8	58.7	66.0	72.4	85.3	98.1	111.0	122.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	30.3	30.3	38.5	48.6	60.5	66.9	73.4	86.2	99.0	111.0	122.9
115°	33.9	34.8	41.3	50.4	62.4	68.8	74.3	86.2	99.0	111.0	122.0
117.5°	38.5	38.5	44.9	52.3	63.3	69.7	76.1	87.1	99.0	110.0	121.0
120°	43.1	42.2	47.7	55.0	65.1	70.6	77.0	88.0	99.0	110.0	120.1
122.5°	47.7	45.8	49.5	56.9	66.0	72.4	77.0	88.0	99.0	109.1	119.2
125°	51.4	49.5	52.3	59.6	67.9	73.4	77.9	88.0	99.0	108.2	118.3
127.5°	55.0	53.2	55.9	61.4	68.8	73.4	78.9	88.0	99.0	107.3	116.5
130°	58.7	55.9	59.6	63.3	70.6	74.3	78.9	88.0	98.1	106.4	114.6
132.5°	61.4	58.7	62.4	65.1	71.5	75.2	79.8	88.0	97.2	105.5	113.7
135°	63.3	60.5	65.1	66.9	73.4	77.0	80.7	88.0	96.3	104.5	111.9
137.5°	65.1	61.4	66.9	68.8	74.3	77.9	80.7	87.1	95.4	102.7	110.0
140°	66.0	63.3	68.8	70.6	73.4	77.0	80.7	86.2	93.5	100.9	107.3
142.5°	66.9	63.3	69.7	71.5	73.4	76.1	79.8	84.4	91.7	98.1	104.5
145°	66.9	64.2	69.7	71.5	73.4	75.2	77.9	83.4	88.9	94.5	100.9
147.5°	66.9	65.1	70.6	72.4	74.3	74.3	76.1	81.6	86.2	91.7	97.2
150°	67.9	65.1	70.6	72.4	75.2	75.2	76.1	78.9	84.4	88.0	92.6
152.5°	66.9	66.0	69.7	73.4	75.2	76.1	76.1	77.0	81.6	85.3	88.9
155°	67.9	67.9	70.6	75.2	76.1	76.1	77.0	76.1	77.9	81.6	85.3
157.5°	69.7	71.5	71.5	76.1	77.9	77.9	78.9	77.9	77.0	77.9	81.6
160°	72.4	74.3	74.3	77.0	79.8	79.8	80.7	79.8	78.9	77.9	77.9
162.5°	75.2	77.0	77.0	77.9	80.7	81.6	82.5	81.6	80.7	78.9	77.9
165°	77.9	79.8	79.8	79.8	81.6	82.5	83.4	82.5	82.5	80.7	79.8
167.5°	80.7	82.5	82.5	81.6	82.5	83.4	84.4	83.4	83.4	82.5	80.7
170°	83.4	85.3	85.3	83.4	84.4	84.4	85.3	84.4	84.4	82.5	81.6
172.5°	85.3	87.1	86.2	85.3	85.3	85.3	85.3	84.4	83.4	81.6	81.6
175°	86.2	88.0	88.0	86.2	85.3	85.3	86.2	84.4	83.4	82.5	80.7
177.5°	86.2	88.0	88.0	86.2	86.2	85.3	86.2	85.3	85.3	83.4	81.6
180°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1	1004.1
2.5°	1000.4	999.5	994.0	1000.4	1000.4	998.6	1005.9	1005.0	1004.1	1002.3
5°	996.8	995.9	990.4	996.8	996.8	995.9	1003.2	1004.1	1005.0	1003.2
7.5°	991.3	990.4	984.8	991.3	991.3	990.4	998.6	999.5	1000.4	997.7
10°	983.0	982.1	976.6	983.0	983.9	983.0	989.4	990.4	992.2	988.5
12.5°	972.0	972.0	966.5	972.9	973.8	972.9	979.3	981.2	983.0	978.4
15°	958.3	959.2	954.6	961.0	961.9	961.9	968.3	969.3	972.0	965.6
17.5°	941.8	943.6	939.9	946.3	947.3	948.2	951.8	954.6	957.3	950.0
20°	924.3	925.2	922.5	928.0	929.8	928.9	933.5	937.2	939.9	932.6
22.5°	903.2	904.2	901.4	906.9	908.7	909.7	913.3	917.9	919.7	913.3
25°	879.4	883.1	881.2	886.7	888.6	888.6	892.2	896.8	899.6	890.4
27.5°	856.5	861.1	859.2	864.7	866.6	867.5	869.3	874.8	877.6	869.3
30°	830.8	836.3	835.4	840.9	842.7	841.8	845.5	851.0	854.6	845.5
32.5°	802.4	809.7	808.8	816.1	818.0	818.9	821.6	829.0	832.6	824.4
35°	774.9	783.1	784.0	792.3	795.0	795.9	799.6	807.0	810.6	802.4
37.5°	746.4	757.4	760.2	768.4	771.2	772.1	775.8	784.0	787.7	779.4
40°	718.9	731.8	735.4	742.8	745.5	748.3	751.0	759.3	763.9	755.6
42.5°	691.4	705.2	709.8	717.1	719.8	722.6	726.3	735.4	739.1	731.8
45°	663.0	677.7	683.2	690.5	694.2	696.9	700.6	708.8	713.4	706.1
47.5°	634.6	649.2	654.7	663.0	666.7	670.3	673.1	683.2	687.7	680.4
50°	604.3	620.8	627.2	634.6	640.1	642.8	646.5	655.6	660.2	653.8
52.5°	574.0	591.5	598.8	606.1	611.6	616.2	618.1	628.1	632.7	626.3
55°	542.9	560.3	568.5	576.8	582.3	587.8	589.6	599.7	604.3	595.1
57.5°	511.7	530.0	538.3	547.4	552.0	558.4	561.2	570.4	575.0	568.5
60°	480.5	497.9	508.0	516.3	522.7	528.2	530.0	540.1	544.7	536.4
62.5°	448.4	466.7	476.8	486.0	491.5	497.9	500.7	509.8	513.5	505.3
65°	415.4	433.7	444.7	453.0	460.3	465.8	467.7	477.8	481.4	473.2
67.5°	382.4	400.7	412.6	421.8	428.2	434.7	436.5	446.6	450.2	443.8
70°	350.3	368.6	380.6	391.6	396.1	402.6	405.3	414.5	418.1	412.6
72.5°	318.2	336.5	349.4	360.4	365.0	371.4	375.0	382.4	387.9	383.3
75°	287.0	305.4	318.2	329.2	333.8	340.2	343.9	351.2	354.9	351.2
77.5°	256.8	275.1	287.0	298.0	303.5	309.0	312.7	320.0	324.6	320.9
80°	227.4	245.8	257.7	267.8	273.3	278.8	282.4	290.7	294.4	291.6
82.5°	199.9	217.3	230.2	240.3	245.8	251.3	254.9	262.3	266.8	263.2
85°	175.1	192.6	204.5	214.6	219.2	224.7	228.3	235.7	239.3	237.5
87.5°	151.3	166.9	180.6	190.7	195.3	200.8	205.4	210.9	215.5	212.7
90°	133.0	146.7	159.6	169.6	175.1	180.6	186.1	191.7	195.3	193.5
92.5°	133.9	146.7	158.6	167.8	173.3	178.8	184.3	190.7	193.5	191.7
95°	133.9	146.7	158.6	167.8	173.3	178.8	184.3	190.7	193.5	191.7
97.5°	133.9	146.7	158.6	167.8	173.3	178.8	184.3	190.7	193.5	190.7
100°	133.9	146.7	158.6	167.8	173.3	177.9	183.4	189.8	192.6	190.7
102.5°	133.9	146.7	157.7	166.9	172.4	177.0	182.5	188.9	191.7	189.8
105°	133.9	145.8	157.7	166.0	171.5	176.1	181.6	187.1	189.8	188.0
107.5°	133.0	144.9	155.9	165.1	169.6	174.2	179.7	185.2	188.0	186.1
110°	133.0	144.0	155.0	163.2	167.8	172.4	177.9	183.4	186.1	184.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	132.0	143.1	154.1	161.4	166.0	170.6	175.1	181.6	184.3	182.5
115°	131.1	142.1	152.2	159.6	164.1	167.8	173.3	179.7	181.6	180.6
117.5°	130.2	140.3	150.4	157.7	162.3	166.0	170.6	176.1	178.8	177.9
120°	129.3	138.5	148.6	155.0	159.6	163.2	166.9	172.4	175.1	173.3
122.5°	127.5	136.6	146.7	153.1	156.8	160.5	164.1	168.7	171.5	170.6
125°	125.6	134.8	144.0	150.4	154.1	156.8	160.5	165.1	166.9	166.0
127.5°	123.8	133.0	141.2	146.7	151.3	154.1	156.8	161.4	163.2	162.3
130°	122.0	130.2	138.5	144.0	147.6	150.4	153.1	157.7	158.6	158.6
132.5°	120.1	127.5	135.7	141.2	144.9	146.7	149.5	153.1	155.0	154.1
135°	118.3	124.7	133.0	137.5	140.3	143.1	145.8	149.5	150.4	150.4
137.5°	115.5	122.0	129.3	133.9	136.6	138.5	141.2	144.9	145.8	145.8
140°	112.8	119.2	125.6	129.3	133.0	134.8	136.6	140.3	141.2	141.2
142.5°	110.0	115.5	122.0	125.6	129.3	130.2	133.0	135.7	136.6	136.6
145°	106.4	112.8	118.3	122.0	124.7	125.6	128.4	131.1	131.1	132.0
147.5°	101.8	107.3	114.6	117.4	120.1	121.0	123.8	125.6	126.5	126.5
150°	97.2	102.7	109.1	113.7	116.5	117.4	118.3	121.0	121.0	122.0
152.5°	92.6	97.2	103.6	108.2	111.9	112.8	113.7	115.5	115.5	116.5
155°	88.0	91.7	97.2	101.8	105.5	107.3	109.1	111.0	111.0	111.9
157.5°	84.4	88.0	92.6	96.3	99.0	101.8	104.5	106.4	106.4	106.4
160°	79.8	82.5	87.1	89.9	93.5	95.4	100.0	101.8	101.8	102.7
162.5°	77.0	77.9	80.7	83.4	86.2	88.0	92.6	97.2	97.2	98.1
165°	77.9	77.0	77.9	78.9	80.7	81.6	84.4	90.8	92.6	93.5
167.5°	79.8	77.0	77.0	77.0	78.9	78.9	81.6	85.3	91.7	89.9
170°	79.8	77.0	75.2	75.2	76.1	75.2	77.0	79.8	83.4	87.1
172.5°	80.7	77.9	75.2	71.5	72.4	71.5	69.7	69.7	70.6	82.5
175°	79.8	77.9	74.3	69.7	68.8	66.0	60.5	55.9	53.2	41.3
177.5°	78.9	76.1	73.4	69.7	67.9	65.1	58.7	51.4	44.0	42.2
180°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2



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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	14.51	15.83	15.13	16.47	17.19	17.07	18.38	17.68	19.02	19.74
	3H	15.92	17.12	16.55	17.76	18.52	19.49	20.69	20.12	21.34	22.09
	4H	16.35	17.49	17.00	18.14	18.91	20.63	21.77	21.28	22.43	23.20
	6H	16.59	17.64	17.25	18.31	19.09	21.77	22.83	22.43	23.49	24.28
	8H	16.63	17.64	17.30	18.33	19.12	22.33	23.34	23.00	24.03	24.82
	12H	16.64	17.61	17.32	18.29	19.11	22.91	23.88	23.59	24.56	25.38
4H	2H	15.40	16.54	16.05	17.20	17.97	17.41	18.55	18.06	19.21	19.98
	3H	17.03	18.00	17.69	18.69	19.48	20.05	21.01	20.71	21.71	22.49
	4H	17.58	18.47	18.26	19.17	19.98	21.34	22.22	22.02	22.92	23.74
	6H	17.92	18.70	18.62	19.42	20.25	22.65	23.43	23.35	24.15	24.97
	8H	18.00	18.73	18.70	19.45	20.29	23.31	24.04	24.01	24.76	25.60
	12H	18.03	18.69	18.75	19.44	20.28	24.01	24.67	24.73	25.41	26.26
8H	4H	18.23	18.96	18.94	19.68	20.52	21.49	22.22	22.19	22.94	23.78
	6H	18.74	19.35	19.47	20.11	20.96	22.94	23.56	23.68	24.32	25.16
	8H	18.89	19.45	19.64	20.21	21.07	23.72	24.28	24.47	25.04	25.90
	12H	18.98	19.48	19.73	20.23	21.15	24.59	25.08	25.33	25.83	26.75
12H	4H	18.40	19.06	19.12	19.80	20.65	21.48	22.14	22.20	22.89	23.73
	6H	18.99	19.55	19.74	20.31	21.17	22.96	23.52	23.71	24.28	25.14
	8H	19.23	19.72	19.98	20.48	21.39	23.79	24.29	24.54	25.04	25.96