

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: P893515

Luminaire Tested: 4MB-4SL-FLTU-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893515
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-L840
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 400
Light Source: -
Ballast/Driver: -

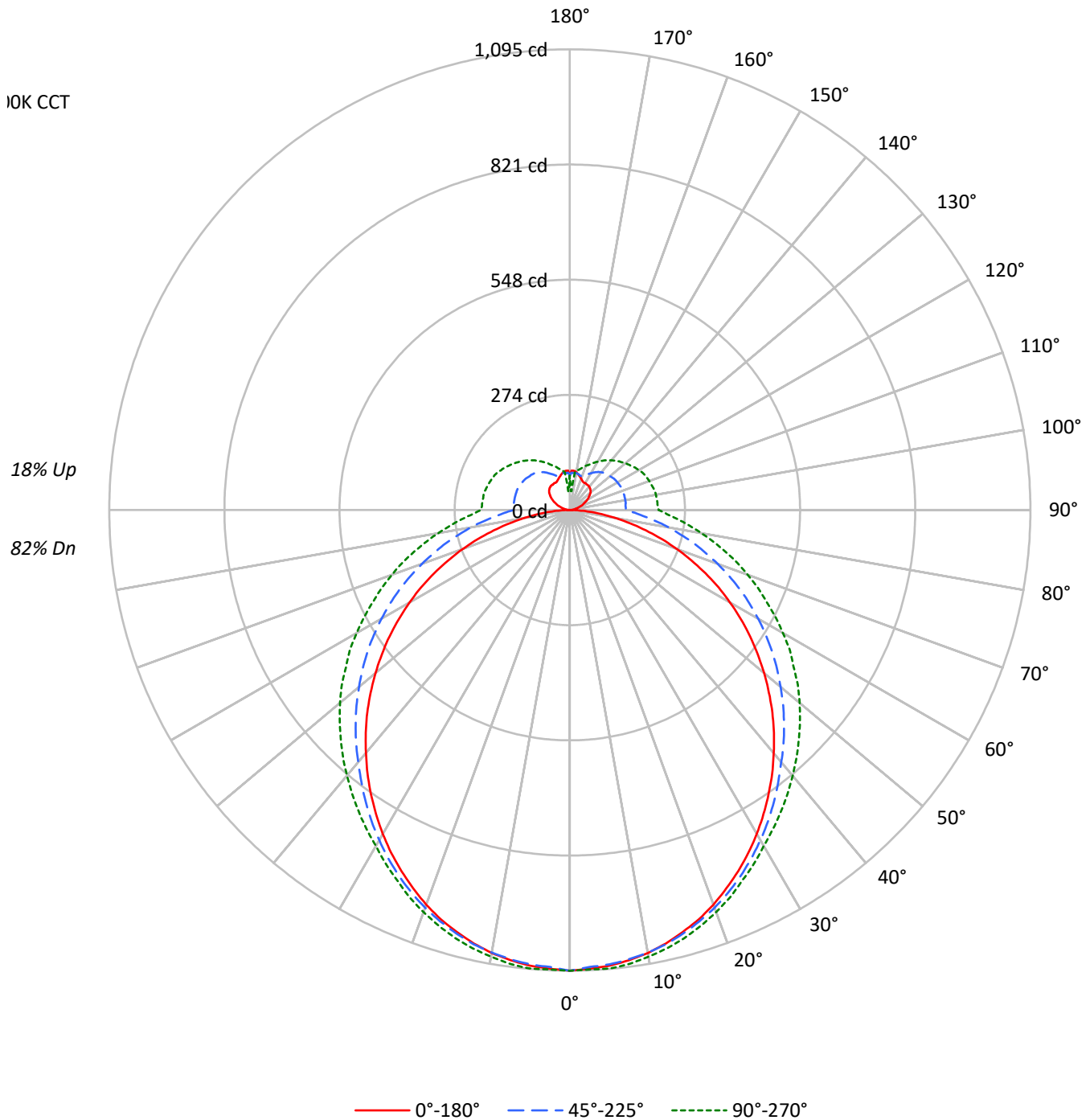
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4139.9 lumens
Efficiency: N/A
Efficacy: 138.9 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

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CATALOG NUMBER: 4MB-4SL-FLTU-UNV-L840

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°	7792	7792	7792
5°	7729	7466	7457
10°	7653	7179	7103
15°	7541	6892	6764
20°	7416	6598	6421
25°	7258	6292	6072
30°	7090	5979	5755
35°	6905	5665	5493
40°	6709	5356	5243
45°	6512	5087	5006
50°	6284	4808	4775
55°	6036	4534	4517
60°	5741	4240	4272
65°	5388	3931	3994
70°	4929	3592	3736
75°	4300	3245	3458
80°	3475	2874	3172
85°	2400	2497	2911

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6512 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	2.5
10°-20°	295.4	7.1
20°-30°	443.8	10.7
30°-40°	532.9	12.9
40°-50°	560.3	13.5
50°-60°	526.5	12.7
60°-70°	437.7	10.6
70°-80°	312.3	7.5
80°-90°	185.9	4.5
90°-100°	134.6	3.3
100°-110°	132.8	3.2
110°-120°	124.7	3.0
120°-130°	110.5	2.7
130°-140°	91.6	2.2
140°-150°	68.6	1.7
150°-160°	45.1	1.1
160°-170°	25.6	0.6
170°-180°	8.2	0.2
0°-30°	842.7	20.4
0°-40°	1375.5	33.2
0°-60°	2462.3	59.5
0°-90°	3398.3	82.1
90°-120°	392.1	9.5
90°-150°	662.8	16.0
90°-180°	742.0	17.9
0°-180°	4139.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1095	1095	1095	1095	1095	
5°	1087	1100	1084	1087	1094	103
15°	1038	1054	1042	1049	1053	293
25°	947	965	960	969	971	436
35°	824	843	846	867	875	516
45°	681	700	720	757	770	525
55°	523	544	587	635	649	467
65°	356	385	446	502	516	352
75°	187	229	305	364	383	199
85°	47	103	179	239	259	51
90°	0	59	133	191	211	3
95°	5	62	133	189	209	6
105°	19	69	134	187	205	20
115°	37	75	133	179	197	37
125°	56	80	129	168	181	50
135°	69	84	122	153	164	53
145°	73	82	110	136	144	46
155°	74	83	93	115	122	35
165°	85	90	87	88	102	24
175°	94	93	88	75	45	9
180°	82	82	82	82	82	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1
2.5°	1091.1	1094.1	1095.1	1105.1	1101.1	1105.1	1098.1	1090.1	1088.1	1093.1	1087.1
5°	1087.1	1090.1	1091.1	1101.1	1097.1	1100.1	1094.1	1086.1	1084.1	1090.1	1084.1
7.5°	1079.1	1082.1	1083.1	1094.1	1089.1	1093.1	1086.1	1078.1	1077.1	1083.1	1077.1
10°	1069.1	1072.1	1073.1	1083.1	1079.1	1083.1	1076.1	1068.1	1067.1	1074.1	1068.1
12.5°	1055.1	1058.1	1060.1	1070.1	1065.1	1070.1	1062.1	1054.1	1055.1	1061.1	1057.1
15°	1038.1	1042.1	1043.1	1053.1	1049.1	1054.1	1046.1	1038.1	1040.1	1046.1	1042.1
17.5°	1020.1	1024.1	1025.1	1034.1	1030.1	1036.1	1027.1	1020.1	1022.1	1028.1	1025.1
20°	998.1	1002.1	1004.1	1013.1	1009.1	1015.1	1006.1	1000.1	1002.1	1009.1	1006.1
22.5°	973.1	979.1	980.1	990.1	985.1	991.1	982.1	977.1	980.1	987.1	984.1
25°	947.1	953.1	954.1	964.1	960.1	965.1	956.1	951.1	955.1	962.1	960.1
27.5°	919.1	925.1	927.1	936.1	932.1	938.1	928.1	925.1	929.1	936.1	934.1
30°	889.1	895.1	896.1	905.1	902.1	908.1	899.1	895.1	901.1	908.1	906.1
32.5°	857.1	863.1	866.1	874.1	871.1	876.1	868.1	866.1	871.1	878.1	877.1
35°	824.1	830.1	833.1	842.1	838.1	843.1	835.1	833.1	841.1	846.1	846.1
37.5°	790.1	796.1	799.1	808.1	803.1	809.1	801.1	800.1	809.1	814.1	814.1
40°	754.1	761.1	764.1	772.1	768.1	773.1	766.1	767.1	775.1	781.1	782.1
42.5°	718.1	725.1	728.1	737.1	732.1	737.1	731.1	732.1	741.1	747.1	752.1
45°	681.1	687.1	690.1	700.1	694.1	700.1	694.1	696.1	705.1	714.1	720.1
47.5°	642.1	648.1	653.1	661.1	656.1	661.1	657.1	660.1	671.1	680.1	688.1
50°	603.1	609.1	614.1	621.1	616.1	623.1	618.1	622.1	636.1	645.1	654.1
52.5°	563.1	568.1	576.1	580.1	576.1	584.1	580.1	586.1	600.1	611.1	621.1
55°	523.0	528.0	536.0	539.0	535.0	544.0	541.0	549.1	564.1	576.1	587.1
57.5°	482.0	487.0	494.0	497.0	494.0	504.0	503.0	512.0	527.0	540.0	552.1
60°	440.0	445.0	451.0	454.0	454.0	464.0	464.0	475.0	491.0	503.0	517.0
62.5°	399.0	402.0	408.0	412.0	415.0	425.0	425.0	437.0	454.0	468.0	482.0
65°	356.0	359.0	364.0	369.0	374.0	385.0	386.0	399.0	416.0	430.0	446.0
67.5°	313.0	316.0	321.0	327.0	334.0	345.0	347.0	361.0	379.0	395.0	410.0
70°	271.0	272.0	278.0	286.0	294.0	305.0	308.0	323.0	342.0	358.0	374.0
72.5°	229.0	230.0	236.0	246.0	255.0	267.0	271.0	287.0	306.0	322.0	338.0
75°	187.0	188.0	196.0	208.0	218.0	229.0	234.0	251.0	270.0	287.0	305.0
77.5°	147.0	149.0	157.0	169.0	181.0	194.0	199.0	216.0	237.0	253.0	270.0
80°	110.0	112.0	121.0	134.0	147.0	159.0	165.0	182.0	204.0	220.0	239.0
82.5°	76.0	79.0	90.0	104.0	117.0	130.0	136.0	152.0	172.0	190.0	208.0
85°	47.0	51.0	62.0	77.0	91.0	103.0	109.0	126.0	145.0	162.0	179.0
87.5°	22.0	28.0	39.0	54.0	69.0	79.0	86.0	103.0	121.0	138.0	155.0
90°	0.0	9.0	20.0	35.0	50.0	59.0	67.0	83.0	101.0	117.0	133.0
92.5°	2.0	10.0	22.0	36.0	51.0	60.0	68.0	84.0	101.0	117.0	133.0
95°	5.0	11.0	23.0	38.0	53.0	62.0	69.0	85.0	102.0	118.0	133.0
97.5°	9.0	14.0	26.0	40.0	55.0	63.0	71.0	87.0	103.0	119.0	134.0
100°	12.0	16.0	28.0	42.0	57.0	65.0	73.0	88.0	104.0	120.0	134.0
102.5°	15.0	20.0	31.0	44.0	59.0	67.0	74.0	89.0	105.0	120.0	134.0
105°	19.0	23.0	33.0	47.0	61.0	69.0	76.0	91.0	106.0	121.0	134.0
107.5°	23.0	26.0	36.0	49.0	63.0	70.0	77.0	92.0	107.0	121.0	134.0
110°	28.0	30.0	39.0	51.0	64.0	72.0	79.0	93.0	107.0	121.0	134.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	33.0	33.0	42.0	53.0	66.0	73.0	80.0	94.0	108.0	121.0	134.0
115°	37.0	38.0	45.0	55.0	68.0	75.0	81.0	94.0	108.0	121.0	133.0
117.5°	42.0	42.0	49.0	57.0	69.0	76.0	83.0	95.0	108.0	120.0	132.0
120°	47.0	46.0	52.0	60.0	71.0	77.0	84.0	96.0	108.0	120.0	131.0
122.5°	52.0	50.0	54.0	62.0	72.0	79.0	84.0	96.0	108.0	119.0	130.0
125°	56.0	54.0	57.0	65.0	74.0	80.0	85.0	96.0	108.0	118.0	129.0
127.5°	60.0	58.0	61.0	67.0	75.0	80.0	86.0	96.0	108.0	117.0	127.0
130°	64.0	61.0	65.0	69.0	77.0	81.0	86.0	96.0	107.0	116.0	125.0
132.5°	67.0	64.0	68.0	71.0	78.0	82.0	87.0	96.0	106.0	115.0	124.0
135°	69.0	66.0	71.0	73.0	80.0	84.0	88.0	96.0	105.0	114.0	122.0
137.5°	71.0	67.0	73.0	75.0	81.0	85.0	88.0	95.0	104.0	112.0	120.0
140°	72.0	69.0	75.0	77.0	80.0	84.0	88.0	94.0	102.0	110.0	117.0
142.5°	73.0	69.0	76.0	78.0	80.0	83.0	87.0	92.0	100.0	107.0	114.0
145°	73.0	70.0	76.0	78.0	80.0	82.0	85.0	91.0	97.0	103.0	110.0
147.5°	73.0	71.0	77.0	79.0	81.0	81.0	83.0	89.0	94.0	100.0	106.0
150°	74.0	71.0	77.0	79.0	82.0	82.0	83.0	86.0	92.0	96.0	101.0
152.5°	73.0	72.0	76.0	80.0	82.0	83.0	83.0	84.0	89.0	93.0	97.0
155°	74.0	74.0	77.0	82.0	83.0	83.0	84.0	83.0	85.0	89.0	93.0
157.5°	76.0	78.0	78.0	83.0	85.0	85.0	86.0	85.0	84.0	85.0	89.0
160°	79.0	81.0	81.0	84.0	87.0	87.0	88.0	87.0	86.0	85.0	85.0
162.5°	82.0	84.0	84.0	85.0	88.0	89.0	90.0	89.0	88.0	86.0	85.0
165°	85.0	87.0	87.0	87.0	89.0	90.0	91.0	90.0	90.0	88.0	87.0
167.5°	88.0	90.0	90.0	89.0	90.0	91.0	92.0	91.0	91.0	90.0	88.0
170°	91.0	93.0	93.0	91.0	92.0	92.0	93.0	92.0	92.0	90.0	89.0
172.5°	93.0	95.0	94.0	93.0	93.0	93.0	93.0	92.0	91.0	89.0	89.0
175°	94.0	96.0	96.0	94.0	93.0	93.0	94.0	92.0	91.0	90.0	88.0
177.5°	94.0	96.0	96.0	94.0	94.0	93.0	94.0	93.0	93.0	91.0	89.0
180°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1
2.5°	1091.1	1090.1	1084.1	1091.1	1091.1	1089.1	1097.1	1096.1	1095.1	1093.1
5°	1087.1	1086.1	1080.1	1087.1	1087.1	1086.1	1094.1	1095.1	1096.1	1094.1
7.5°	1081.1	1080.1	1074.1	1081.1	1081.1	1080.1	1089.1	1090.1	1091.1	1088.1
10°	1072.1	1071.1	1065.1	1072.1	1073.1	1072.1	1079.1	1080.1	1082.1	1078.1
12.5°	1060.1	1060.1	1054.1	1061.1	1062.1	1061.1	1068.1	1070.1	1072.1	1067.1
15°	1045.1	1046.1	1041.1	1048.1	1049.1	1049.1	1056.1	1057.1	1060.1	1053.1
17.5°	1027.1	1029.1	1025.1	1032.1	1033.1	1034.1	1038.1	1041.1	1044.1	1036.1
20°	1008.1	1009.1	1006.1	1012.1	1014.1	1013.1	1018.1	1022.1	1025.1	1017.1
22.5°	985.1	986.1	983.1	989.1	991.1	992.1	996.1	1001.1	1003.1	996.1
25°	959.1	963.1	961.1	967.1	969.1	969.1	973.1	978.1	981.1	971.1
27.5°	934.1	939.1	937.1	943.1	945.1	946.1	948.1	954.1	957.1	948.1
30°	906.1	912.1	911.1	917.1	919.1	918.1	922.1	928.1	932.1	922.1
32.5°	875.1	883.1	882.1	890.1	892.1	893.1	896.1	904.1	908.1	899.1
35°	845.1	854.1	855.1	864.1	867.1	868.1	872.1	880.1	884.1	875.1
37.5°	814.1	826.1	829.1	838.1	841.1	842.1	846.1	855.1	859.1	850.1
40°	784.1	798.1	802.1	810.1	813.1	816.1	819.1	828.1	833.1	824.1
42.5°	754.1	769.1	774.1	782.1	785.1	788.1	792.1	802.1	806.1	798.1
45°	723.1	739.1	745.1	753.1	757.1	760.1	764.1	773.1	778.1	770.1
47.5°	692.1	708.1	714.1	723.1	727.1	731.1	734.1	745.1	750.1	742.1
50°	659.1	677.1	684.1	692.1	698.1	701.1	705.1	715.1	720.1	713.1
52.5°	626.1	645.1	653.1	661.1	667.1	672.1	674.1	685.1	690.1	683.1
55°	592.1	611.1	620.1	629.1	635.1	641.1	643.1	654.1	659.1	649.1
57.5°	558.1	578.1	587.1	597.1	602.1	609.1	612.1	622.1	627.1	620.1
60°	524.0	543.0	554.1	563.1	570.1	576.1	578.1	589.1	594.1	585.1
62.5°	489.0	509.0	520.0	530.0	536.0	543.0	546.0	556.1	560.1	551.1
65°	453.0	473.0	485.0	494.0	502.0	508.0	510.0	521.0	525.0	516.0
67.5°	417.0	437.0	450.0	460.0	467.0	474.0	476.0	487.0	491.0	484.0
70°	382.0	402.0	415.0	427.0	432.0	439.0	442.0	452.0	456.0	450.0
72.5°	347.0	367.0	381.0	393.0	398.0	405.0	409.0	417.0	423.0	418.0
75°	313.0	333.0	347.0	359.0	364.0	371.0	375.0	383.0	387.0	383.0
77.5°	280.0	300.0	313.0	325.0	331.0	337.0	341.0	349.0	354.0	350.0
80°	248.0	268.0	281.0	292.0	298.0	304.0	308.0	317.0	321.0	318.0
82.5°	218.0	237.0	251.0	262.0	268.0	274.0	278.0	286.0	291.0	287.0
85°	191.0	210.0	223.0	234.0	239.0	245.0	249.0	257.0	261.0	259.0
87.5°	165.0	182.0	197.0	208.0	213.0	219.0	224.0	230.0	235.0	232.0
90°	145.0	160.0	174.0	185.0	191.0	197.0	203.0	209.0	213.0	211.0
92.5°	146.0	160.0	173.0	183.0	189.0	195.0	201.0	208.0	211.0	209.0
95°	146.0	160.0	173.0	183.0	189.0	195.0	201.0	208.0	211.0	209.0
97.5°	146.0	160.0	173.0	183.0	189.0	195.0	201.0	208.0	211.0	208.0
100°	146.0	160.0	173.0	183.0	189.0	194.0	200.0	207.0	210.0	208.0
102.5°	146.0	160.0	172.0	182.0	188.0	193.0	199.0	206.0	209.0	207.0
105°	146.0	159.0	172.0	181.0	187.0	192.0	198.0	204.0	207.0	205.0
107.5°	145.0	158.0	170.0	180.0	185.0	190.0	196.0	202.0	205.0	203.0
110°	145.0	157.0	169.0	178.0	183.0	188.0	194.0	200.0	203.0	201.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	144.0	156.0	168.0	176.0	181.0	186.0	191.0	198.0	201.0	199.0
115°	143.0	155.0	166.0	174.0	179.0	183.0	189.0	196.0	198.0	197.0
117.5°	142.0	153.0	164.0	172.0	177.0	181.0	186.0	192.0	195.0	194.0
120°	141.0	151.0	162.0	169.0	174.0	178.0	182.0	188.0	191.0	189.0
122.5°	139.0	149.0	160.0	167.0	171.0	175.0	179.0	184.0	187.0	186.0
125°	137.0	147.0	157.0	164.0	168.0	171.0	175.0	180.0	182.0	181.0
127.5°	135.0	145.0	154.0	160.0	165.0	168.0	171.0	176.0	178.0	177.0
130°	133.0	142.0	151.0	157.0	161.0	164.0	167.0	172.0	173.0	173.0
132.5°	131.0	139.0	148.0	154.0	158.0	160.0	163.0	167.0	169.0	168.0
135°	129.0	136.0	145.0	150.0	153.0	156.0	159.0	163.0	164.0	164.0
137.5°	126.0	133.0	141.0	146.0	149.0	151.0	154.0	158.0	159.0	159.0
140°	123.0	130.0	137.0	141.0	145.0	147.0	149.0	153.0	154.0	154.0
142.5°	120.0	126.0	133.0	137.0	141.0	142.0	145.0	148.0	149.0	149.0
145°	116.0	123.0	129.0	133.0	136.0	137.0	140.0	143.0	143.0	144.0
147.5°	111.0	117.0	125.0	128.0	131.0	132.0	135.0	137.0	138.0	138.0
150°	106.0	112.0	119.0	124.0	127.0	128.0	129.0	132.0	132.0	133.0
152.5°	101.0	106.0	113.0	118.0	122.0	123.0	124.0	126.0	126.0	127.0
155°	96.0	100.0	106.0	111.0	115.0	117.0	119.0	121.0	121.0	122.0
157.5°	92.0	96.0	101.0	105.0	108.0	111.0	114.0	116.0	116.0	116.0
160°	87.0	90.0	95.0	98.0	102.0	104.0	109.0	111.0	111.0	112.0
162.5°	84.0	85.0	88.0	91.0	94.0	96.0	101.0	106.0	106.0	107.0
165°	85.0	84.0	85.0	86.0	88.0	89.0	92.0	99.0	101.0	102.0
167.5°	87.0	84.0	84.0	84.0	86.0	86.0	89.0	93.0	100.0	98.0
170°	87.0	84.0	82.0	82.0	83.0	82.0	84.0	87.0	91.0	95.0
172.5°	88.0	85.0	82.0	78.0	79.0	78.0	76.0	76.0	77.0	90.0
175°	87.0	85.0	81.0	76.0	75.0	72.0	66.0	61.0	58.0	45.0
177.5°	86.0	83.0	80.0	76.0	74.0	71.0	64.0	56.0	48.0	46.0
180°	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0



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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	14.82	16.13	15.43	16.77	17.49	17.37	18.69	17.98	19.32	20.04
	3H	16.22	17.42	16.85	18.06	18.82	19.80	21.00	20.42	21.64	22.39
	4H	16.65	17.79	17.30	18.44	19.21	20.94	22.07	21.58	22.73	23.50
	6H	16.89	17.94	17.55	18.61	19.39	22.07	23.13	22.73	23.80	24.58
	8H	16.93	17.94	17.60	18.63	19.42	22.63	23.64	23.30	24.33	25.12
	12H	16.94	17.91	17.62	18.59	19.41	23.21	24.18	23.89	24.86	25.68
4H	2H	15.70	16.84	16.35	17.50	18.27	17.72	18.85	18.37	19.51	20.28
	3H	17.33	18.30	17.99	18.99	19.78	20.35	21.31	21.01	22.01	22.80
	4H	17.88	18.77	18.56	19.47	20.28	21.64	22.52	22.32	23.22	24.04
	6H	18.22	19.00	18.92	19.72	20.55	22.95	23.73	23.65	24.45	25.28
	8H	18.30	19.03	19.00	19.75	20.59	23.61	24.34	24.31	25.06	25.90
	12H	18.33	18.99	19.05	19.74	20.58	24.31	24.97	25.03	25.71	26.56
8H	4H	18.53	19.26	19.24	19.98	20.82	21.79	22.52	22.49	23.24	24.08
	6H	19.04	19.66	19.77	20.42	21.26	23.25	23.86	23.98	24.62	25.47
	8H	19.19	19.75	19.94	20.51	21.37	24.02	24.58	24.77	25.34	26.20
	12H	19.28	19.78	20.03	20.53	21.45	24.89	25.38	25.63	26.13	27.05
12H	4H	18.70	19.36	19.42	20.10	20.95	21.78	22.44	22.51	23.19	24.03
	6H	19.30	19.85	20.04	20.61	21.47	23.26	23.82	24.01	24.58	25.44
	8H	19.53	20.02	20.28	20.78	21.69	24.09	24.59	24.84	25.34	26.26