

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: P893516

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893516
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-L850
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 500
Light Source: -
Ballast/Driver: -

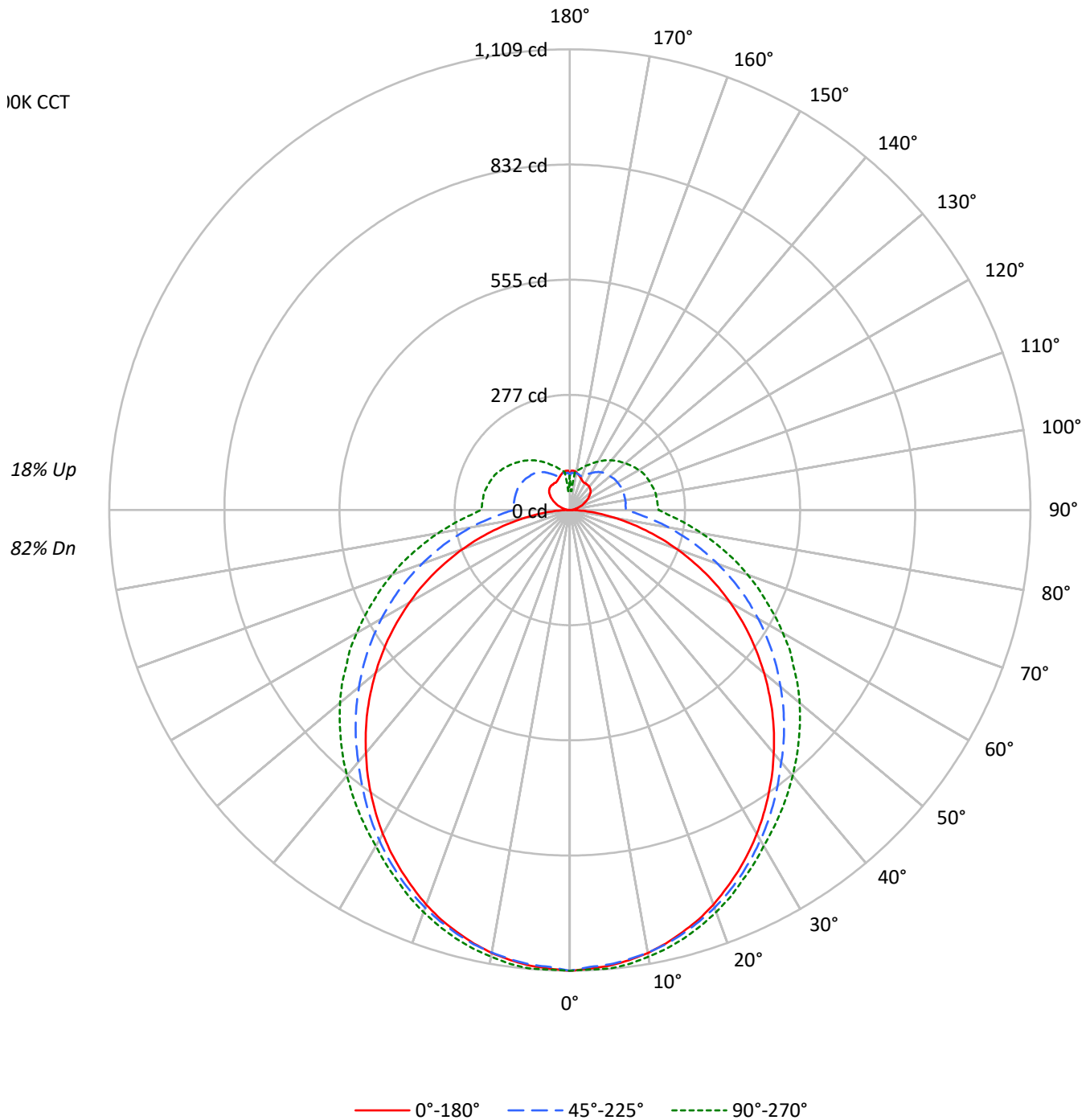
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4193.0 lumens
Efficiency: N/A
Efficacy: 140.7 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: P893516
CATALOG NUMBER: 4MB-4SL-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
RCR																				
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	82	
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	66	
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	54	
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	45	
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	38	
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	32	
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	28	
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	25	
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	22	
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	20	
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	18	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7891	7891	7891
5°	7828	7561	7552
10°	7751	7272	7194
15°	7637	6980	6851
20°	7511	6683	6503
25°	7351	6373	6150
30°	7181	6056	5829
35°	6993	5738	5564
40°	6795	5425	5310
45°	6596	5152	5070
50°	6364	4869	4836
55°	6114	4592	4575
60°	5815	4295	4326
65°	5458	3982	4046
70°	4992	3638	3785
75°	4356	3286	3502
80°	3519	2911	3213
85°	2431	2529	2948

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6596 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	2.5
10°-20°	299.2	7.1
20°-30°	449.4	10.7
30°-40°	539.7	12.9
40°-50°	567.5	13.5
50°-60°	533.2	12.7
60°-70°	443.4	10.6
70°-80°	316.4	7.5
80°-90°	188.3	4.5
90°-100°	136.3	3.3
100°-110°	134.5	3.2
110°-120°	126.3	3.0
120°-130°	111.9	2.7
130°-140°	92.8	2.2
140°-150°	69.4	1.7
150°-160°	45.7	1.1
160°-170°	25.9	0.6
170°-180°	8.3	0.2
0°-30°	853.5	20.4
0°-40°	1393.1	33.2
0°-60°	2493.8	59.5
0°-90°	3441.8	82.1
90°-120°	397.2	9.5
90°-150°	671.3	16.0
90°-180°	751.0	17.9
0°-180°	4193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1109	1109	1109	1109	1109	
5°	1101	1114	1098	1101	1108	105
15°	1051	1068	1055	1062	1067	297
25°	959	977	972	982	984	442
35°	835	854	857	878	886	522
45°	690	709	729	767	780	532
55°	530	551	595	643	657	473
65°	361	390	452	508	523	357
75°	189	232	309	369	388	201
85°	48	104	181	242	262	52
90°	0	60	135	194	214	3
95°	5	63	135	191	212	6
105°	19	70	136	189	208	21
115°	38	76	135	181	200	37
125°	57	81	131	170	183	51
135°	70	85	124	155	166	54
145°	74	83	111	138	146	46
155°	75	84	94	116	124	35
165°	86	91	88	89	103	24
175°	95	94	89	76	46	9
180°	83	83	83	83	83	



TEST NUMBER: P893516
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1
2.5°	1105.1	1108.1	1109.1	1119.2	1115.2	1119.2	1112.2	1104.1	1102.0	1107.1	1101.0
5°	1101.0	1104.1	1105.1	1115.2	1111.1	1114.2	1108.1	1100.0	1098.0	1104.1	1098.0
7.5°	1092.9	1096.0	1097.0	1108.1	1103.0	1107.1	1100.0	1091.9	1090.9	1097.0	1090.9
10°	1082.8	1085.8	1086.8	1097.0	1092.9	1097.0	1089.9	1081.8	1080.8	1087.8	1081.8
12.5°	1068.6	1071.6	1073.7	1083.8	1078.7	1083.8	1075.7	1067.6	1068.6	1074.7	1070.6
15°	1051.4	1055.4	1056.4	1066.6	1062.5	1067.6	1059.5	1051.4	1053.4	1059.5	1055.4
17.5°	1033.2	1037.2	1038.2	1047.3	1043.3	1049.4	1040.2	1033.2	1035.2	1041.3	1038.2
20°	1010.9	1014.9	1016.9	1026.1	1022.0	1028.1	1019.0	1012.9	1014.9	1022.0	1019.0
22.5°	985.5	991.6	992.6	1002.8	997.7	1003.8	994.7	989.6	992.6	999.7	996.7
25°	959.2	965.3	966.3	976.4	972.4	977.4	968.3	963.3	967.3	974.4	972.4
27.5°	930.9	936.9	939.0	948.1	944.0	950.1	940.0	936.9	941.0	948.1	946.0
30°	900.5	906.5	907.6	916.7	913.6	919.7	910.6	906.5	912.6	919.7	917.7
32.5°	868.1	874.1	877.2	885.3	882.2	887.3	879.2	877.2	882.2	889.3	888.3
35°	834.6	840.7	843.7	852.9	848.8	853.9	845.8	843.7	851.8	856.9	856.9
37.5°	800.2	806.3	809.3	818.4	813.4	819.4	811.3	810.3	819.4	824.5	824.5
40°	763.7	770.8	773.9	782.0	777.9	783.0	775.9	776.9	785.0	791.1	792.1
42.5°	727.3	734.3	737.4	746.5	741.4	746.5	740.4	741.4	750.6	756.6	761.7
45°	689.8	695.9	698.9	709.0	702.9	709.0	702.9	705.0	714.1	723.2	729.3
47.5°	650.3	656.4	661.4	669.5	664.5	669.5	665.5	668.5	679.7	688.8	696.9
50°	610.8	616.9	621.9	629.0	623.9	631.0	626.0	630.0	644.2	653.3	662.4
52.5°	570.3	575.3	583.4	587.5	583.4	591.5	587.5	593.6	607.7	618.9	629.0
55°	529.7	534.8	542.9	546.0	541.9	551.0	548.0	556.1	571.3	583.4	594.6
57.5°	488.2	493.3	500.4	503.4	500.4	510.5	509.5	518.6	533.8	547.0	559.1
60°	445.7	450.7	456.8	459.9	459.9	470.0	470.0	481.1	497.3	509.5	523.7
62.5°	404.1	407.2	413.3	417.3	420.4	430.5	430.5	442.6	459.9	474.0	488.2
65°	360.6	363.6	368.7	373.8	378.8	390.0	391.0	404.1	421.4	435.5	451.8
67.5°	317.0	320.1	325.1	331.2	338.3	349.4	351.5	365.7	383.9	400.1	415.3
70°	274.5	275.5	281.6	289.7	297.8	308.9	312.0	327.2	346.4	362.6	378.8
72.5°	232.0	233.0	239.0	249.2	258.3	270.4	274.5	290.7	309.9	326.2	342.4
75°	189.4	190.4	198.5	210.7	220.8	232.0	237.0	254.2	273.5	290.7	308.9
77.5°	148.9	150.9	159.0	171.2	183.3	196.5	201.6	218.8	240.1	256.3	273.5
80°	111.4	113.4	122.6	135.7	148.9	161.1	167.1	184.3	206.6	222.8	242.1
82.5°	77.0	80.0	91.2	105.3	118.5	131.7	137.8	154.0	174.2	192.4	210.7
85°	47.6	51.7	62.8	78.0	92.2	104.3	110.4	127.6	146.9	164.1	181.3
87.5°	22.3	28.4	39.5	54.7	69.9	80.0	87.1	104.3	122.6	139.8	157.0
90°	0.0	9.1	20.3	35.5	50.6	59.8	67.9	84.1	102.3	118.5	134.7
92.5°	2.0	10.1	22.3	36.5	51.7	60.8	68.9	85.1	102.3	118.5	134.7
95°	5.1	11.1	23.3	38.5	53.7	62.8	69.9	86.1	103.3	119.5	134.7
97.5°	9.1	14.2	26.3	40.5	55.7	63.8	71.9	88.1	104.3	120.5	135.7
100°	12.2	16.2	28.4	42.5	57.7	65.8	73.9	89.1	105.3	121.5	135.7
102.5°	15.2	20.3	31.4	44.6	59.8	67.9	75.0	90.1	106.4	121.5	135.7
105°	19.2	23.3	33.4	47.6	61.8	69.9	77.0	92.2	107.4	122.6	135.7
107.5°	23.3	26.3	36.5	49.6	63.8	70.9	78.0	93.2	108.4	122.6	135.7
110°	28.4	30.4	39.5	51.7	64.8	72.9	80.0	94.2	108.4	122.6	135.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	33.4	33.4	42.5	53.7	66.9	73.9	81.0	95.2	109.4	122.6	135.7
115°	37.5	38.5	45.6	55.7	68.9	76.0	82.0	95.2	109.4	122.6	134.7
117.5°	42.5	42.5	49.6	57.7	69.9	77.0	84.1	96.2	109.4	121.5	133.7
120°	47.6	46.6	52.7	60.8	71.9	78.0	85.1	97.2	109.4	121.5	132.7
122.5°	52.7	50.6	54.7	62.8	72.9	80.0	85.1	97.2	109.4	120.5	131.7
125°	56.7	54.7	57.7	65.8	75.0	81.0	86.1	97.2	109.4	119.5	130.7
127.5°	60.8	58.7	61.8	67.9	76.0	81.0	87.1	97.2	109.4	118.5	128.6
130°	64.8	61.8	65.8	69.9	78.0	82.0	87.1	97.2	108.4	117.5	126.6
132.5°	67.9	64.8	68.9	71.9	79.0	83.1	88.1	97.2	107.4	116.5	125.6
135°	69.9	66.9	71.9	73.9	81.0	85.1	89.1	97.2	106.4	115.5	123.6
137.5°	71.9	67.9	73.9	76.0	82.0	86.1	89.1	96.2	105.3	113.4	121.5
140°	72.9	69.9	76.0	78.0	81.0	85.1	89.1	95.2	103.3	111.4	118.5
142.5°	73.9	69.9	77.0	79.0	81.0	84.1	88.1	93.2	101.3	108.4	115.5
145°	73.9	70.9	77.0	79.0	81.0	83.1	86.1	92.2	98.3	104.3	111.4
147.5°	73.9	71.9	78.0	80.0	82.0	82.0	84.1	90.1	95.2	101.3	107.4
150°	75.0	71.9	78.0	80.0	83.1	83.1	84.1	87.1	93.2	97.2	102.3
152.5°	73.9	72.9	77.0	81.0	83.1	84.1	84.1	85.1	90.1	94.2	98.3
155°	75.0	75.0	78.0	83.1	84.1	84.1	85.1	84.1	86.1	90.1	94.2
157.5°	77.0	79.0	79.0	84.1	86.1	86.1	87.1	86.1	85.1	86.1	90.1
160°	80.0	82.0	82.0	85.1	88.1	88.1	89.1	88.1	87.1	86.1	86.1
162.5°	83.1	85.1	85.1	86.1	89.1	90.1	91.2	90.1	89.1	87.1	86.1
165°	86.1	88.1	88.1	88.1	90.1	91.2	92.2	91.2	91.2	89.1	88.1
167.5°	89.1	91.2	91.2	90.1	91.2	92.2	93.2	92.2	92.2	91.2	89.1
170°	92.2	94.2	94.2	92.2	93.2	93.2	94.2	93.2	93.2	91.2	90.1
172.5°	94.2	96.2	95.2	94.2	94.2	94.2	94.2	93.2	92.2	90.1	90.1
175°	95.2	97.2	97.2	95.2	94.2	94.2	95.2	93.2	92.2	91.2	89.1
177.5°	95.2	97.2	97.2	95.2	95.2	94.2	95.2	94.2	94.2	92.2	90.1
180°	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1	1109.1
2.5°	1105.1	1104.1	1098.0	1105.1	1105.1	1103.0	1111.1	1110.1	1109.1	1107.1
5°	1101.0	1100.0	1093.9	1101.0	1101.0	1100.0	1108.1	1109.1	1110.1	1108.1
7.5°	1094.9	1093.9	1087.8	1094.9	1094.9	1093.9	1103.0	1104.1	1105.1	1102.0
10°	1085.8	1084.8	1078.7	1085.8	1086.8	1085.8	1092.9	1093.9	1096.0	1091.9
12.5°	1073.7	1073.7	1067.6	1074.7	1075.7	1074.7	1081.8	1083.8	1085.8	1080.8
15°	1058.5	1059.5	1054.4	1061.5	1062.5	1062.5	1069.6	1070.6	1073.7	1066.6
17.5°	1040.2	1042.3	1038.2	1045.3	1046.3	1047.3	1051.4	1054.4	1057.5	1049.4
20°	1021.0	1022.0	1019.0	1025.0	1027.1	1026.1	1031.1	1035.2	1038.2	1030.1
22.5°	997.7	998.7	995.7	1001.8	1003.8	1004.8	1008.8	1013.9	1015.9	1008.8
25°	971.4	975.4	973.4	979.5	981.5	981.5	985.5	990.6	993.6	983.5
27.5°	946.0	951.1	949.1	955.2	957.2	958.2	960.2	966.3	969.3	960.2
30°	917.7	923.8	922.7	928.8	930.9	929.8	933.9	940.0	944.0	933.9
32.5°	886.3	894.4	893.4	901.5	903.5	904.5	907.6	915.7	919.7	910.6
35°	855.9	865.0	866.0	875.1	878.2	879.2	883.2	891.3	895.4	886.3
37.5°	824.5	836.7	839.7	848.8	851.8	852.9	856.9	866.0	870.1	861.0
40°	794.1	808.3	812.3	820.4	823.5	826.5	829.6	838.7	843.7	834.6
42.5°	763.7	778.9	784.0	792.1	795.1	798.2	802.2	812.3	816.4	808.3
45°	732.3	748.5	754.6	762.7	766.8	769.8	773.9	783.0	788.0	779.9
47.5°	700.9	717.1	723.2	732.3	736.4	740.4	743.5	754.6	759.7	751.6
50°	667.5	685.7	692.8	700.9	707.0	710.0	714.1	724.2	729.3	722.2
52.5°	634.1	653.3	661.4	669.5	675.6	680.7	682.7	693.8	698.9	691.8
55°	599.6	618.9	628.0	637.1	643.2	649.3	651.3	662.4	667.5	657.4
57.5°	565.2	585.5	594.6	604.7	609.8	616.9	619.9	630.0	635.1	628.0
60°	530.8	550.0	561.1	570.3	577.3	583.4	585.5	596.6	601.7	592.5
62.5°	495.3	515.6	526.7	536.8	542.9	550.0	553.0	563.2	567.2	558.1
65°	458.8	479.1	491.3	500.4	508.5	514.6	516.6	527.7	531.8	522.7
67.5°	422.4	442.6	455.8	465.9	473.0	480.1	482.1	493.3	497.3	490.2
70°	386.9	407.2	420.4	432.5	437.6	444.7	447.7	457.8	461.9	455.8
72.5°	351.5	371.7	385.9	398.1	403.1	410.2	414.3	422.4	428.5	423.4
75°	317.0	337.3	351.5	363.6	368.7	375.8	379.8	387.9	392.0	387.9
77.5°	283.6	303.9	317.0	329.2	335.3	341.3	345.4	353.5	358.6	354.5
80°	251.2	271.5	284.6	295.8	301.8	307.9	312.0	321.1	325.1	322.1
82.5°	220.8	240.1	254.2	265.4	271.5	277.5	281.6	289.7	294.8	290.7
85°	193.5	212.7	225.9	237.0	242.1	248.2	252.2	260.3	264.4	262.3
87.5°	167.1	184.3	199.5	210.7	215.7	221.8	226.9	233.0	238.0	235.0
90°	146.9	162.1	176.2	187.4	193.5	199.5	205.6	211.7	215.7	213.7
92.5°	147.9	162.1	175.2	185.4	191.4	197.5	203.6	210.7	213.7	211.7
95°	147.9	162.1	175.2	185.4	191.4	197.5	203.6	210.7	213.7	211.7
97.5°	147.9	162.1	175.2	185.4	191.4	197.5	203.6	210.7	213.7	210.7
100°	147.9	162.1	175.2	185.4	191.4	196.5	202.6	209.7	212.7	210.7
102.5°	147.9	162.1	174.2	184.3	190.4	195.5	201.6	208.7	211.7	209.7
105°	147.9	161.1	174.2	183.3	189.4	194.5	200.6	206.6	209.7	207.6
107.5°	146.9	160.0	172.2	182.3	187.4	192.4	198.5	204.6	207.6	205.6
110°	146.9	159.0	171.2	180.3	185.4	190.4	196.5	202.6	205.6	203.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	145.9	158.0	170.2	178.3	183.3	188.4	193.5	200.6	203.6	201.6
115°	144.8	157.0	168.1	176.2	181.3	185.4	191.4	198.5	200.6	199.5
117.5°	143.8	155.0	166.1	174.2	179.3	183.3	188.4	194.5	197.5	196.5
120°	142.8	152.9	164.1	171.2	176.2	180.3	184.3	190.4	193.5	191.4
122.5°	140.8	150.9	162.1	169.2	173.2	177.3	181.3	186.4	189.4	188.4
125°	138.8	148.9	159.0	166.1	170.2	173.2	177.3	182.3	184.3	183.3
127.5°	136.7	146.9	156.0	162.1	167.1	170.2	173.2	178.3	180.3	179.3
130°	134.7	143.8	152.9	159.0	163.1	166.1	169.2	174.2	175.2	175.2
132.5°	132.7	140.8	149.9	156.0	160.0	162.1	165.1	169.2	171.2	170.2
135°	130.7	137.8	146.9	151.9	155.0	158.0	161.1	165.1	166.1	166.1
137.5°	127.6	134.7	142.8	147.9	150.9	152.9	156.0	160.0	161.1	161.1
140°	124.6	131.7	138.8	142.8	146.9	148.9	150.9	155.0	156.0	156.0
142.5°	121.5	127.6	134.7	138.8	142.8	143.8	146.9	149.9	150.9	150.9
145°	117.5	124.6	130.7	134.7	137.8	138.8	141.8	144.8	144.8	145.9
147.5°	112.4	118.5	126.6	129.7	132.7	133.7	136.7	138.8	139.8	139.8
150°	107.4	113.4	120.5	125.6	128.6	129.7	130.7	133.7	133.7	134.7
152.5°	102.3	107.4	114.5	119.5	123.6	124.6	125.6	127.6	127.6	128.6
155°	97.2	101.3	107.4	112.4	116.5	118.5	120.5	122.6	122.6	123.6
157.5°	93.2	97.2	102.3	106.4	109.4	112.4	115.5	117.5	117.5	117.5
160°	88.1	91.2	96.2	99.3	103.3	105.3	110.4	112.4	112.4	113.4
162.5°	85.1	86.1	89.1	92.2	95.2	97.2	102.3	107.4	107.4	108.4
165°	86.1	85.1	86.1	87.1	89.1	90.1	93.2	100.3	102.3	103.3
167.5°	88.1	85.1	85.1	85.1	87.1	87.1	90.1	94.2	101.3	99.3
170°	88.1	85.1	83.1	83.1	84.1	83.1	85.1	88.1	92.2	96.2
172.5°	89.1	86.1	83.1	79.0	80.0	79.0	77.0	77.0	78.0	91.2
175°	88.1	86.1	82.0	77.0	76.0	72.9	66.9	61.8	58.7	45.6
177.5°	87.1	84.1	81.0	77.0	75.0	71.9	64.8	56.7	48.6	46.6
180°	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1



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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	14.86	16.18	15.48	16.81	17.53	17.41	18.73	18.03	19.36	20.09
	3H	16.27	17.47	16.89	18.11	18.86	19.84	21.04	20.47	21.68	22.44
	4H	16.69	17.83	17.34	18.49	19.26	20.98	22.12	21.63	22.77	23.54
	6H	16.93	17.99	17.59	18.65	19.44	22.12	23.18	22.78	23.84	24.63
	8H	16.97	17.99	17.65	18.67	19.46	22.68	23.69	23.35	24.38	25.16
	12H	16.98	17.95	17.66	18.63	19.45	23.26	24.23	23.94	24.91	25.73
4H	2H	15.75	16.89	16.40	17.54	18.31	17.76	18.90	18.41	19.55	20.32
	3H	17.37	18.34	18.04	19.03	19.82	20.39	21.36	21.05	22.05	22.84
	4H	17.93	18.81	18.61	19.51	20.33	21.68	22.57	22.36	23.26	24.08
	6H	18.27	19.05	18.97	19.77	20.59	22.99	23.77	23.69	24.49	25.32
	8H	18.34	19.08	19.05	19.79	20.64	23.65	24.38	24.35	25.10	25.94
	12H	18.37	19.04	19.10	19.78	20.63	24.35	25.02	25.08	25.76	26.60
8H	4H	18.58	19.31	19.28	20.03	20.87	21.83	22.57	22.54	23.29	24.13
	6H	19.08	19.70	19.82	20.46	21.30	23.29	23.91	24.02	24.67	25.51
	8H	19.24	19.79	19.98	20.55	21.41	24.07	24.62	24.81	25.39	26.24
	12H	19.33	19.82	20.08	20.57	21.49	24.93	25.43	25.68	26.18	27.09
12H	4H	18.74	19.41	19.47	20.15	21.00	21.83	22.49	22.55	23.23	24.08
	6H	19.34	19.90	20.08	20.66	21.52	23.31	23.86	24.05	24.63	25.48
	8H	19.57	20.07	20.32	20.82	21.74	24.14	24.63	24.89	25.39	26.30