

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: P893625

Luminaire Tested: 4MB-5SL-FLTU-UNV-L830

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893625
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-L830
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 300
Light Source: -
Ballast/Driver: -

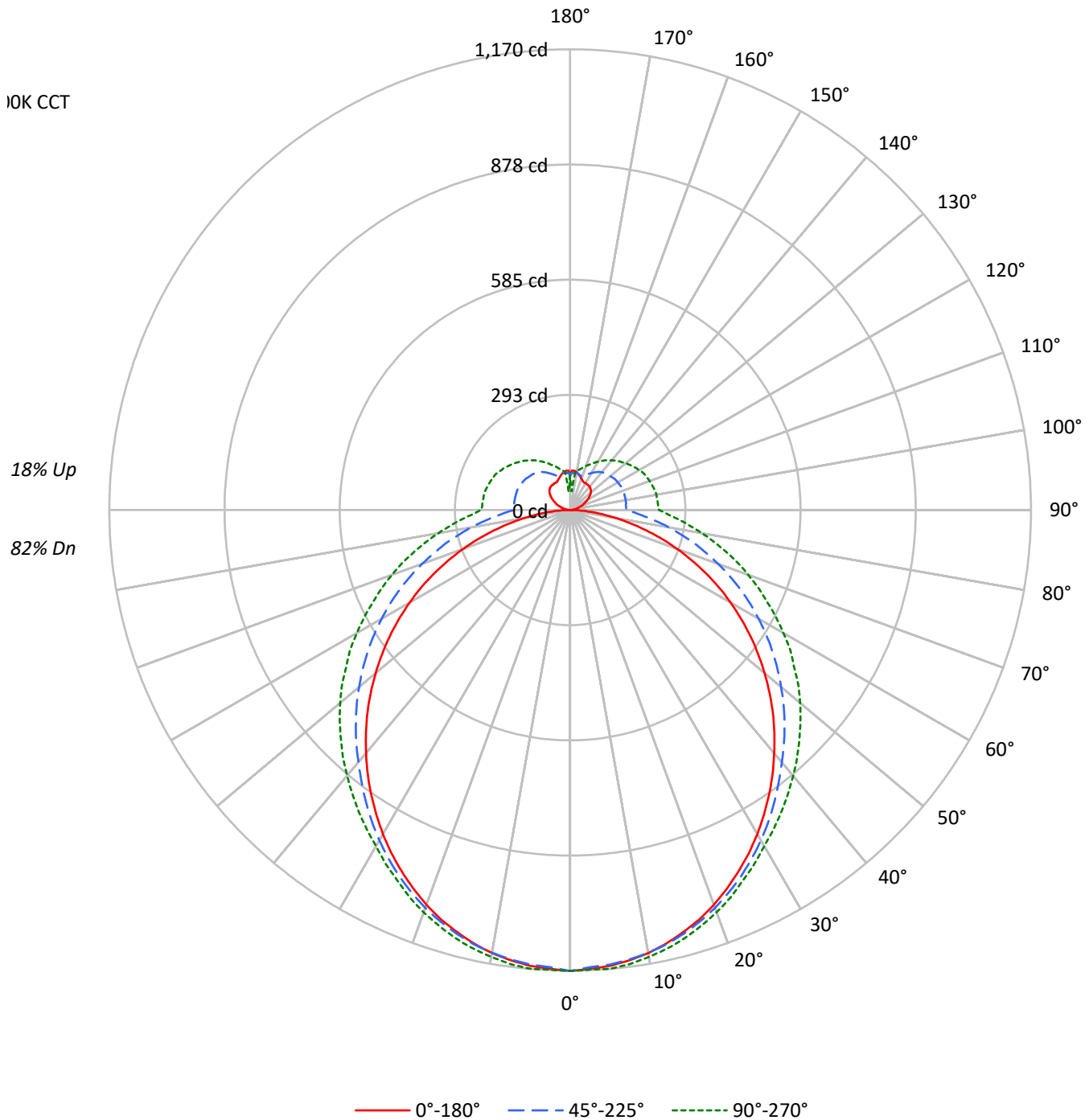
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4425.0 lumens
Efficiency: N/A
Efficacy: 126.4 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

TEST NUMBER: P893625
CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L830

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°	8328	8328	8328
5°	8261	7979	7970
10°	8180	7673	7592
15°	8060	7366	7230
20°	7926	7053	6863
25°	7758	6725	6490
30°	7578	6391	6151
35°	7380	6055	5871
40°	7171	5725	5604
45°	6960	5436	5350
50°	6716	5139	5104
55°	6453	4846	4827
60°	6136	4532	4565
65°	5759	4201	4270
70°	5269	3839	3994
75°	4597	3468	3696
80°	3715	3072	3391
85°	2564	2669	3112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6960 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	2.5
10°-20°	315.7	7.1
20°-30°	474.3	10.7
30°-40°	569.5	12.9
40°-50°	598.9	13.5
50°-60°	562.7	12.7
60°-70°	467.9	10.6
70°-80°	333.9	7.5
80°-90°	198.7	4.5
90°-100°	143.9	3.3
100°-110°	141.9	3.2
110°-120°	133.3	3.0
120°-130°	118.1	2.7
130°-140°	97.9	2.2
140°-150°	73.3	1.7
150°-160°	48.2	1.1
160°-170°	27.3	0.6
170°-180°	8.7	0.2
0°-30°	900.7	20.4
0°-40°	1470.2	33.2
0°-60°	2631.8	59.5
0°-90°	3632.3	82.1
90°-120°	419.1	9.5
90°-150°	708.5	16.0
90°-180°	793.0	17.9
0°-180°	4425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1170	1170	1170	1170	1170	
5°	1162	1176	1159	1162	1169	110
15°	1110	1127	1114	1121	1126	313
25°	1012	1032	1026	1036	1038	466
35°	881	901	904	927	935	551
45°	728	748	770	809	823	561
55°	559	582	628	679	694	499
65°	380	412	477	537	552	376
75°	200	245	326	389	409	212
85°	50	110	191	256	277	55
90°	0	63	142	204	226	4
95°	5	66	142	202	223	6
105°	20	74	143	200	219	22
115°	40	80	142	191	211	40
125°	60	86	138	180	194	53
135°	74	90	130	164	175	57
145°	78	88	118	145	154	49
155°	79	89	99	123	130	37
165°	91	96	93	94	109	26
175°	100	99	94	80	48	9
180°	88	88	88	88	88	



TEST NUMBER: P893625
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5
2.5°	1166.2	1169.4	1170.5	1181.2	1176.9	1181.2	1173.7	1165.1	1163.0	1168.3	1161.9
5°	1161.9	1165.1	1166.2	1176.9	1172.6	1175.8	1169.4	1160.9	1158.7	1165.1	1158.7
7.5°	1153.4	1156.6	1157.7	1169.4	1164.1	1168.3	1160.9	1152.3	1151.2	1157.7	1151.2
10°	1142.7	1145.9	1147.0	1157.7	1153.4	1157.7	1150.2	1141.6	1140.6	1148.0	1141.6
12.5°	1127.7	1130.9	1133.1	1143.8	1138.4	1143.8	1135.2	1126.7	1127.7	1134.1	1129.9
15°	1109.6	1113.8	1114.9	1125.6	1121.3	1126.7	1118.1	1109.6	1111.7	1118.1	1113.8
17.5°	1090.3	1094.6	1095.7	1105.3	1101.0	1107.4	1097.8	1090.3	1092.5	1098.9	1095.7
20°	1066.8	1071.1	1073.2	1082.8	1078.6	1085.0	1075.4	1068.9	1071.1	1078.6	1075.4
22.5°	1040.1	1046.5	1047.6	1058.2	1052.9	1059.3	1049.7	1044.4	1047.6	1055.0	1051.8
25°	1012.3	1018.7	1019.8	1030.5	1026.2	1031.5	1021.9	1016.6	1020.8	1028.3	1026.2
27.5°	982.4	988.8	990.9	1000.5	996.3	1002.7	992.0	988.8	993.0	1000.5	998.4
30°	950.3	956.7	957.8	967.4	964.2	970.6	961.0	956.7	963.1	970.6	968.5
32.5°	916.1	922.5	925.7	934.3	931.0	936.4	927.8	925.7	931.0	938.5	937.5
35°	880.8	887.2	890.4	900.0	895.8	901.1	892.6	890.4	899.0	904.3	904.3
37.5°	844.5	850.9	854.1	863.7	858.4	864.8	856.2	855.2	864.8	870.1	870.1
40°	806.0	813.5	816.7	825.2	820.9	826.3	818.8	819.9	828.4	834.8	835.9
42.5°	767.5	775.0	778.2	787.8	782.5	787.8	781.4	782.5	792.1	798.5	803.8
45°	727.9	734.4	737.6	748.3	741.8	748.3	741.8	744.0	753.6	763.2	769.6
47.5°	686.3	692.7	698.0	706.6	701.2	706.6	702.3	705.5	717.3	726.9	735.4
50°	644.6	651.0	656.3	663.8	658.5	665.9	660.6	664.9	679.8	689.5	699.1
52.5°	601.8	607.2	615.7	620.0	615.7	624.3	620.0	626.4	641.4	653.1	663.8
55°	559.1	564.4	573.0	576.2	571.9	581.5	578.3	586.8	602.9	615.7	627.5
57.5°	515.2	520.6	528.1	531.3	528.1	538.7	537.7	547.3	563.3	577.2	590.1
60°	470.3	475.7	482.1	485.3	485.3	496.0	496.0	507.7	524.8	537.7	552.6
62.5°	426.5	429.7	436.1	440.4	443.6	454.3	454.3	467.1	485.3	500.3	515.2
65°	380.5	383.7	389.1	394.4	399.8	411.5	412.6	426.5	444.7	459.6	476.7
67.5°	334.6	337.8	343.1	349.5	357.0	368.8	370.9	385.9	405.1	422.2	438.3
70°	289.7	290.8	297.2	305.7	314.3	326.0	329.2	345.3	365.6	382.7	399.8
72.5°	244.8	245.9	252.3	263.0	272.6	285.4	289.7	306.8	327.1	344.2	361.3
75°	199.9	201.0	209.5	222.3	233.0	244.8	250.1	268.3	288.6	306.8	326.0
77.5°	157.1	159.3	167.8	180.7	193.5	207.4	212.7	230.9	253.3	270.4	288.6
80°	117.6	119.7	129.3	143.2	157.1	170.0	176.4	194.5	218.1	235.2	255.5
82.5°	81.2	84.4	96.2	111.2	125.1	139.0	145.4	162.5	183.9	203.1	222.3
85°	50.2	54.5	66.3	82.3	97.3	110.1	116.5	134.7	155.0	173.2	191.3
87.5°	23.5	29.9	41.7	57.7	73.8	84.4	91.9	110.1	129.3	147.5	165.7
90°	0.0	9.6	21.4	37.4	53.4	63.1	71.6	88.7	108.0	125.1	142.2
92.5°	2.1	10.7	23.5	38.5	54.5	64.1	72.7	89.8	108.0	125.1	142.2
95°	5.3	11.8	24.6	40.6	56.7	66.3	73.8	90.9	109.0	126.1	142.2
97.5°	9.6	15.0	27.8	42.8	58.8	67.3	75.9	93.0	110.1	127.2	143.2
100°	12.8	17.1	29.9	44.9	60.9	69.5	78.0	94.1	111.2	128.3	143.2
102.5°	16.0	21.4	33.1	47.0	63.1	71.6	79.1	95.1	112.2	128.3	143.2
105°	20.3	24.6	35.3	50.2	65.2	73.8	81.2	97.3	113.3	129.3	143.2
107.5°	24.6	27.8	38.5	52.4	67.3	74.8	82.3	98.3	114.4	129.3	143.2
110°	29.9	32.1	41.7	54.5	68.4	77.0	84.4	99.4	114.4	129.3	143.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	35.3	35.3	44.9	56.7	70.5	78.0	85.5	100.5	115.4	129.3	143.2
115°	39.6	40.6	48.1	58.8	72.7	80.2	86.6	100.5	115.4	129.3	142.2
117.5°	44.9	44.9	52.4	60.9	73.8	81.2	88.7	101.5	115.4	128.3	141.1
120°	50.2	49.2	55.6	64.1	75.9	82.3	89.8	102.6	115.4	128.3	140.0
122.5°	55.6	53.4	57.7	66.3	77.0	84.4	89.8	102.6	115.4	127.2	139.0
125°	59.9	57.7	60.9	69.5	79.1	85.5	90.9	102.6	115.4	126.1	137.9
127.5°	64.1	62.0	65.2	71.6	80.2	85.5	91.9	102.6	115.4	125.1	135.8
130°	68.4	65.2	69.5	73.8	82.3	86.6	91.9	102.6	114.4	124.0	133.6
132.5°	71.6	68.4	72.7	75.9	83.4	87.7	93.0	102.6	113.3	122.9	132.5
135°	73.8	70.5	75.9	78.0	85.5	89.8	94.1	102.6	112.2	121.9	130.4
137.5°	75.9	71.6	78.0	80.2	86.6	90.9	94.1	101.5	111.2	119.7	128.3
140°	77.0	73.8	80.2	82.3	85.5	89.8	94.1	100.5	109.0	117.6	125.1
142.5°	78.0	73.8	81.2	83.4	85.5	88.7	93.0	98.3	106.9	114.4	121.9
145°	78.0	74.8	81.2	83.4	85.5	87.7	90.9	97.3	103.7	110.1	117.6
147.5°	78.0	75.9	82.3	84.4	86.6	86.6	88.7	95.1	100.5	106.9	113.3
150°	79.1	75.9	82.3	84.4	87.7	87.7	88.7	91.9	98.3	102.6	108.0
152.5°	78.0	77.0	81.2	85.5	87.7	88.7	88.7	89.8	95.1	99.4	103.7
155°	79.1	79.1	82.3	87.7	88.7	88.7	89.8	88.7	90.9	95.1	99.4
157.5°	81.2	83.4	83.4	88.7	90.9	90.9	91.9	90.9	89.8	90.9	95.1
160°	84.4	86.6	86.6	89.8	93.0	93.0	94.1	93.0	91.9	90.9	90.9
162.5°	87.7	89.8	89.8	90.9	94.1	95.1	96.2	95.1	94.1	91.9	90.9
165°	90.9	93.0	93.0	93.0	95.1	96.2	97.3	96.2	96.2	94.1	93.0
167.5°	94.1	96.2	96.2	95.1	96.2	97.3	98.3	97.3	97.3	96.2	94.1
170°	97.3	99.4	99.4	97.3	98.3	98.3	99.4	98.3	98.3	96.2	95.1
172.5°	99.4	101.5	100.5	99.4	99.4	99.4	99.4	98.3	97.3	95.1	95.1
175°	100.5	102.6	102.6	100.5	99.4	99.4	100.5	98.3	97.3	96.2	94.1
177.5°	100.5	102.6	102.6	100.5	100.5	99.4	100.5	99.4	99.4	97.3	95.1
180°	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5
2.5°	1166.2	1165.1	1158.7	1166.2	1166.2	1164.1	1172.6	1171.6	1170.5	1168.3
5°	1161.9	1160.9	1154.5	1161.9	1161.9	1160.9	1169.4	1170.5	1171.6	1169.4
7.5°	1155.5	1154.5	1148.0	1155.5	1155.5	1154.5	1164.1	1165.1	1166.2	1163.0
10°	1145.9	1144.8	1138.4	1145.9	1147.0	1145.9	1153.4	1154.5	1156.6	1152.3
12.5°	1133.1	1133.1	1126.7	1134.1	1135.2	1134.1	1141.6	1143.8	1145.9	1140.6
15°	1117.0	1118.1	1112.8	1120.2	1121.3	1121.3	1128.8	1129.9	1133.1	1125.6
17.5°	1097.8	1099.9	1095.7	1103.1	1104.2	1105.3	1109.6	1112.8	1116.0	1107.4
20°	1077.5	1078.6	1075.4	1081.8	1083.9	1082.8	1088.2	1092.5	1095.7	1087.1
22.5°	1052.9	1054.0	1050.8	1057.2	1059.3	1060.4	1064.7	1070.0	1072.1	1064.7
25°	1025.1	1029.4	1027.2	1033.7	1035.8	1035.8	1040.1	1045.4	1048.6	1037.9
27.5°	998.4	1003.7	1001.6	1008.0	1010.1	1011.2	1013.4	1019.8	1023.0	1013.4
30°	968.5	974.9	973.8	980.2	982.4	981.3	985.6	992.0	996.3	985.6
32.5°	935.3	943.9	942.8	951.4	953.5	954.6	957.8	966.3	970.6	961.0
35°	903.3	912.9	913.9	923.6	926.8	927.8	932.1	940.7	944.9	935.3
37.5°	870.1	882.9	886.1	895.8	899.0	900.0	904.3	913.9	918.2	908.6
40°	838.0	853.0	857.3	865.8	869.0	872.3	875.5	885.1	890.4	880.8
42.5°	806.0	822.0	827.4	835.9	839.1	842.3	846.6	857.3	861.6	853.0
45°	772.8	789.9	796.4	804.9	809.2	812.4	816.7	826.3	831.6	823.1
47.5°	739.7	756.8	763.2	772.8	777.1	781.4	784.6	796.4	801.7	793.2
50°	704.4	723.7	731.2	739.7	746.1	749.3	753.6	764.3	769.6	762.2
52.5°	669.2	689.5	698.0	706.6	713.0	718.3	720.5	732.2	737.6	730.1
55°	632.8	653.1	662.7	672.4	678.8	685.2	687.3	699.1	704.4	693.7
57.5°	596.5	617.8	627.5	638.2	643.5	651.0	654.2	664.9	670.2	662.7
60°	560.1	580.4	592.2	601.8	609.3	615.7	617.8	629.6	634.9	625.3
62.5°	522.7	544.1	555.8	566.5	573.0	580.4	583.6	594.3	598.6	589.0
65°	484.2	505.6	518.4	528.1	536.6	543.0	545.2	556.9	561.2	551.6
67.5°	445.7	467.1	481.0	491.7	499.2	506.7	508.8	520.6	524.8	517.4
70°	408.3	429.7	443.6	456.4	461.8	469.3	472.5	483.2	487.4	481.0
72.5°	370.9	392.3	407.3	420.1	425.4	432.9	437.2	445.7	452.2	446.8
75°	334.6	356.0	370.9	383.7	389.1	396.6	400.9	409.4	413.7	409.4
77.5°	299.3	320.7	334.6	347.4	353.8	360.2	364.5	373.1	378.4	374.1
80°	265.1	286.5	300.4	312.1	318.5	325.0	329.2	338.9	343.1	339.9
82.5°	233.0	253.3	268.3	280.1	286.5	292.9	297.2	305.7	311.1	306.8
85°	204.2	224.5	238.4	250.1	255.5	261.9	266.2	274.7	279.0	276.9
87.5°	176.4	194.5	210.6	222.3	227.7	234.1	239.4	245.9	251.2	248.0
90°	155.0	171.0	186.0	197.8	204.2	210.6	217.0	223.4	227.7	225.5
92.5°	156.1	171.0	184.9	195.6	202.0	208.4	214.9	222.3	225.5	223.4
95°	156.1	171.0	184.9	195.6	202.0	208.4	214.9	222.3	225.5	223.4
97.5°	156.1	171.0	184.9	195.6	202.0	208.4	214.9	222.3	225.5	222.3
100°	156.1	171.0	184.9	195.6	202.0	207.4	213.8	221.3	224.5	222.3
102.5°	156.1	171.0	183.9	194.5	201.0	206.3	212.7	220.2	223.4	221.3
105°	156.1	170.0	183.9	193.5	199.9	205.2	211.6	218.1	221.3	219.1
107.5°	155.0	168.9	181.7	192.4	197.8	203.1	209.5	215.9	219.1	217.0
110°	155.0	167.8	180.7	190.3	195.6	201.0	207.4	213.8	217.0	214.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	153.9	166.8	179.6	188.1	193.5	198.8	204.2	211.6	214.9	212.7
115°	152.9	165.7	177.4	186.0	191.3	195.6	202.0	209.5	211.6	210.6
117.5°	151.8	163.5	175.3	183.9	189.2	193.5	198.8	205.2	208.4	207.4
120°	150.7	161.4	173.2	180.7	186.0	190.3	194.5	201.0	204.2	202.0
122.5°	148.6	159.3	171.0	178.5	182.8	187.1	191.3	196.7	199.9	198.8
125°	146.4	157.1	167.8	175.3	179.6	182.8	187.1	192.4	194.5	193.5
127.5°	144.3	155.0	164.6	171.0	176.4	179.6	182.8	188.1	190.3	189.2
130°	142.2	151.8	161.4	167.8	172.1	175.3	178.5	183.9	184.9	184.9
132.5°	140.0	148.6	158.2	164.6	168.9	171.0	174.2	178.5	180.7	179.6
135°	137.9	145.4	155.0	160.3	163.5	166.8	170.0	174.2	175.3	175.3
137.5°	134.7	142.2	150.7	156.1	159.3	161.4	164.6	168.9	170.0	170.0
140°	131.5	139.0	146.4	150.7	155.0	157.1	159.3	163.5	164.6	164.6
142.5°	128.3	134.7	142.2	146.4	150.7	151.8	155.0	158.2	159.3	159.3
145°	124.0	131.5	137.9	142.2	145.4	146.4	149.7	152.9	152.9	153.9
147.5°	118.7	125.1	133.6	136.8	140.0	141.1	144.3	146.4	147.5	147.5
150°	113.3	119.7	127.2	132.5	135.8	136.8	137.9	141.1	141.1	142.2
152.5°	108.0	113.3	120.8	126.1	130.4	131.5	132.5	134.7	134.7	135.8
155°	102.6	106.9	113.3	118.7	122.9	125.1	127.2	129.3	129.3	130.4
157.5°	98.3	102.6	108.0	112.2	115.4	118.7	121.9	124.0	124.0	124.0
160°	93.0	96.2	101.5	104.8	109.0	111.2	116.5	118.7	118.7	119.7
162.5°	89.8	90.9	94.1	97.3	100.5	102.6	108.0	113.3	113.3	114.4
165°	90.9	89.8	90.9	91.9	94.1	95.1	98.3	105.8	108.0	109.0
167.5°	93.0	89.8	89.8	89.8	91.9	91.9	95.1	99.4	106.9	104.8
170°	93.0	89.8	87.7	87.7	88.7	87.7	89.8	93.0	97.3	101.5
172.5°	94.1	90.9	87.7	83.4	84.4	83.4	81.2	81.2	82.3	96.2
175°	93.0	90.9	86.6	81.2	80.2	77.0	70.5	65.2	62.0	48.1
177.5°	91.9	88.7	85.5	81.2	79.1	75.9	68.4	59.9	51.3	49.2
180°	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7



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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	15.05	16.37	15.66	17.00	17.72	17.60	18.92	18.21	19.55	20.27
	3H	16.45	17.65	17.08	18.29	19.05	20.03	21.23	20.66	21.87	22.63
	4H	16.88	18.02	17.53	18.67	19.44	21.17	22.31	21.82	22.96	23.73
	6H	17.12	18.18	17.78	18.84	19.63	22.30	23.36	22.97	24.03	24.81
	8H	17.16	18.17	17.83	18.86	19.65	22.86	23.88	23.54	24.56	25.35
	12H	17.17	18.14	17.85	18.82	19.64	23.45	24.42	24.13	25.10	25.91
4H	2H	15.94	17.07	16.59	17.73	18.50	17.95	19.08	18.60	19.74	20.51
	3H	17.56	18.53	18.22	19.22	20.01	20.58	21.55	21.24	22.24	23.03
	4H	18.12	19.00	18.80	19.70	20.52	21.87	22.75	22.55	23.45	24.27
	6H	18.46	19.23	19.15	19.96	20.78	23.18	23.96	23.88	24.68	25.51
	8H	18.53	19.26	19.23	19.98	20.82	23.84	24.57	24.54	25.29	26.13
	12H	18.56	19.23	19.29	19.97	20.81	24.54	25.20	25.26	25.95	26.79
8H	4H	18.77	19.50	19.47	20.22	21.06	22.02	22.75	22.72	23.47	24.31
	6H	19.27	19.89	20.00	20.65	21.49	23.48	24.09	24.21	24.85	25.70
	8H	19.42	19.98	20.17	20.74	21.60	24.26	24.81	25.00	25.57	26.43
	12H	19.52	20.01	20.26	20.76	21.68	25.12	25.61	25.87	26.36	27.28
12H	4H	18.93	19.59	19.65	20.34	21.18	22.01	22.68	22.74	23.42	24.27
	6H	19.53	20.08	20.27	20.85	21.70	23.49	24.05	24.24	24.81	25.67
	8H	19.76	20.26	20.51	21.01	21.92	24.33	24.82	25.07	25.57	26.49