

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: P893627

Luminaire Tested: 4MB-5SL-FLTU-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893627
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-L840
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 400
Light Source: -
Ballast/Driver: -

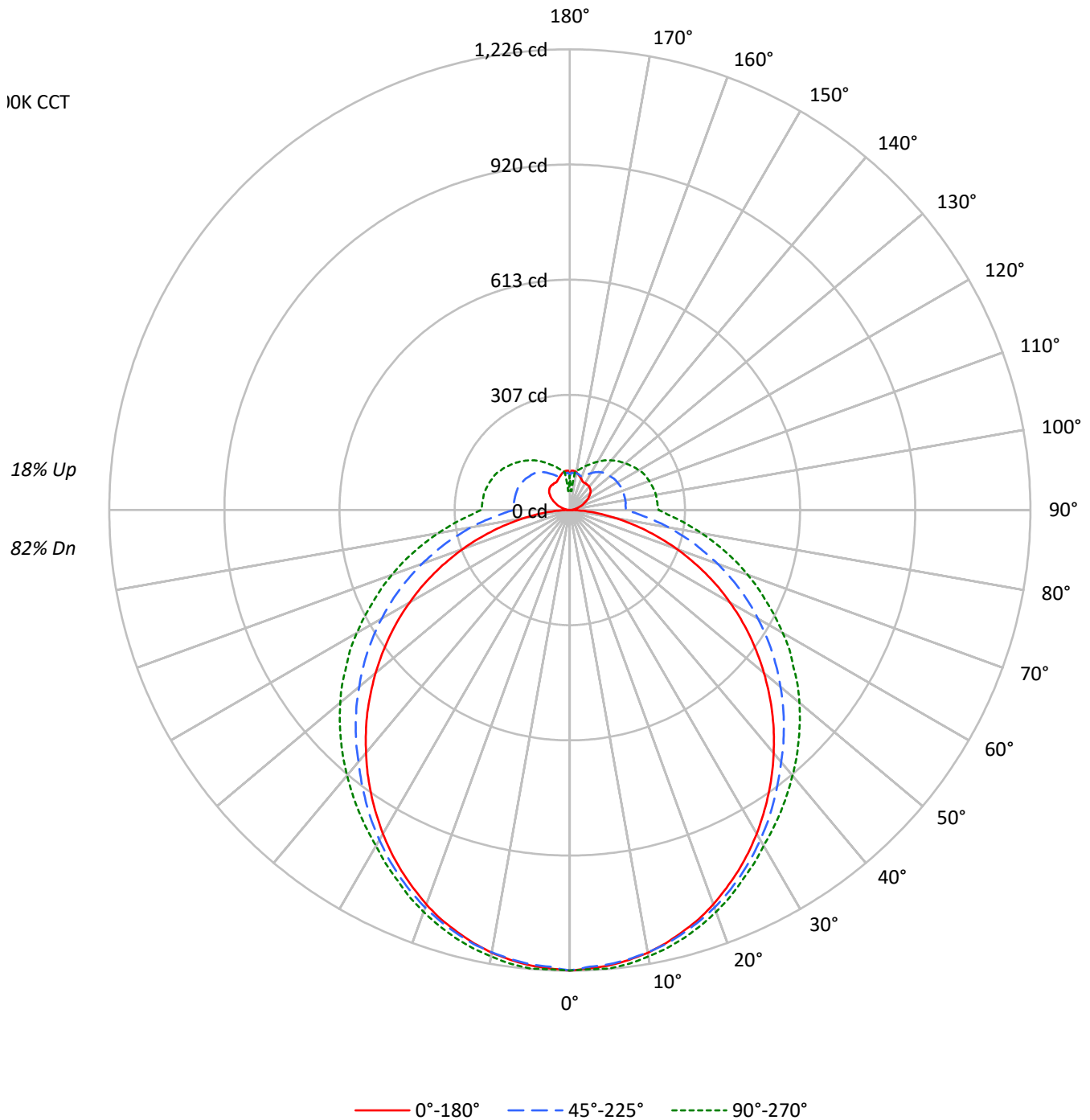
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4633.0 lumens
Efficiency: N/A
Efficacy: 132.4 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

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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°	8719	8719	8719
5°	8650	8355	8345
10°	8565	8034	7949
15°	8439	7713	7569
20°	8299	7384	7185
25°	8122	7041	6795
30°	7935	6691	6440
35°	7727	6340	6147
40°	7508	5994	5868
45°	7288	5692	5602
50°	7032	5380	5344
55°	6755	5074	5055
60°	6424	4745	4780
65°	6030	4400	4470
70°	5516	4020	4181
75°	4813	3632	3869
80°	3889	3217	3550
85°	2686	2794	3258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7288 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	2.5
10°-20°	330.5	7.1
20°-30°	496.6	10.7
30°-40°	596.3	12.9
40°-50°	627.0	13.5
50°-60°	589.1	12.7
60°-70°	489.9	10.6
70°-80°	349.6	7.5
80°-90°	208.1	4.5
90°-100°	150.6	3.3
100°-110°	148.6	3.2
110°-120°	139.6	3.0
120°-130°	123.7	2.7
130°-140°	102.5	2.2
140°-150°	76.7	1.7
150°-160°	50.5	1.1
160°-170°	28.6	0.6
170°-180°	9.1	0.2
0°-30°	943.0	20.4
0°-40°	1539.3	33.2
0°-60°	2755.5	59.5
0°-90°	3803.0	82.1
90°-120°	438.8	9.5
90°-150°	741.8	16.0
90°-180°	830.0	17.9
0°-180°	4633.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1217	1231	1213	1217	1224	115
15°	1162	1180	1166	1174	1178	328
25°	1060	1080	1074	1084	1087	488
35°	922	944	947	970	979	577
45°	762	783	806	847	862	588
55°	585	609	657	711	726	523
65°	398	431	499	562	578	394
75°	209	256	341	407	429	222
85°	53	115	200	268	290	58
90°	0	66	149	214	236	4
95°	6	69	149	212	234	6
105°	21	77	150	209	229	23
115°	41	84	149	200	220	41
125°	63	90	144	188	203	56
135°	77	94	136	171	184	59
145°	82	92	123	152	161	51
155°	83	93	104	129	136	39
165°	95	101	97	98	114	27
175°	105	104	98	84	50	10
180°	92	92	92	92	92	



TEST NUMBER: P893627
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5
2.5°	1221.0	1224.4	1225.5	1236.7	1232.2	1236.7	1228.9	1219.9	1217.7	1223.3	1216.6
5°	1216.6	1219.9	1221.0	1232.2	1227.7	1231.1	1224.4	1215.4	1213.2	1219.9	1213.2
7.5°	1207.6	1211.0	1212.1	1224.4	1218.8	1223.3	1215.4	1206.5	1205.4	1212.1	1205.4
10°	1196.4	1199.8	1200.9	1212.1	1207.6	1212.1	1204.2	1195.3	1194.2	1202.0	1195.3
12.5°	1180.7	1184.1	1186.3	1197.5	1191.9	1197.5	1188.6	1179.6	1180.7	1187.5	1183.0
15°	1161.7	1166.2	1167.3	1178.5	1174.0	1179.6	1170.7	1161.7	1164.0	1170.7	1166.2
17.5°	1141.6	1146.0	1147.2	1157.2	1152.8	1159.5	1149.4	1141.6	1143.8	1150.5	1147.2
20°	1116.9	1121.4	1123.7	1133.7	1129.3	1136.0	1125.9	1119.2	1121.4	1129.3	1125.9
22.5°	1089.0	1095.7	1096.8	1108.0	1102.4	1109.1	1099.0	1093.4	1096.8	1104.6	1101.3
25°	1059.9	1066.6	1067.7	1078.9	1074.4	1080.0	1069.9	1064.3	1068.8	1076.7	1074.4
27.5°	1028.5	1035.2	1037.5	1047.6	1043.1	1049.8	1038.6	1035.2	1039.7	1047.6	1045.3
30°	995.0	1001.7	1002.8	1012.9	1009.5	1016.2	1006.1	1001.7	1008.4	1016.2	1014.0
32.5°	959.1	965.9	969.2	978.2	974.8	980.4	971.5	969.2	974.8	982.6	981.5
35°	922.2	928.9	932.3	942.4	937.9	943.5	934.5	932.3	941.2	946.8	946.8
37.5°	884.2	890.9	894.2	904.3	898.7	905.4	896.5	895.3	905.4	911.0	911.0
40°	843.9	851.7	855.1	864.0	859.5	865.1	857.3	858.4	867.4	874.1	875.2
42.5°	803.6	811.4	814.8	824.8	819.2	824.8	818.1	819.2	829.3	836.0	841.6
45°	762.2	768.9	772.2	783.4	776.7	783.4	776.7	779.0	789.0	799.1	805.8
47.5°	718.5	725.2	730.8	739.8	734.2	739.8	735.3	738.7	751.0	761.0	770.0
50°	674.9	681.6	687.2	695.0	689.4	697.3	691.7	696.1	711.8	721.9	731.9
52.5°	630.1	635.7	644.7	649.1	644.7	653.6	649.1	655.8	671.5	683.8	695.0
55°	585.3	590.9	599.9	603.2	598.8	608.8	605.5	614.4	631.2	644.7	657.0
57.5°	539.4	545.0	552.9	556.2	552.9	564.1	562.9	573.0	589.8	604.4	617.8
60°	492.4	498.0	504.8	508.1	508.1	519.3	519.3	531.6	549.5	562.9	578.6
62.5°	446.6	449.9	456.6	461.1	464.5	475.7	475.7	489.1	508.1	523.8	539.4
65°	398.4	401.8	407.4	413.0	418.6	430.9	432.0	446.6	465.6	481.2	499.2
67.5°	350.3	353.7	359.3	366.0	373.8	386.1	388.4	404.0	424.2	442.1	458.9
70°	303.3	304.4	311.1	320.1	329.0	341.4	344.7	361.5	382.8	400.7	418.6
72.5°	256.3	257.4	264.1	275.3	285.4	298.8	303.3	321.2	342.5	360.4	378.3
75°	209.3	210.4	219.4	232.8	244.0	256.3	261.9	280.9	302.2	321.2	341.4
77.5°	164.5	166.8	175.7	189.1	202.6	217.1	222.7	241.7	265.2	283.2	302.2
80°	123.1	125.3	135.4	150.0	164.5	178.0	184.7	203.7	228.3	246.2	267.5
82.5°	85.1	88.4	100.7	116.4	130.9	145.5	152.2	170.1	192.5	212.6	232.8
85°	52.6	57.1	69.4	86.2	101.8	115.3	122.0	141.0	162.3	181.3	200.3
87.5°	24.6	31.3	43.6	60.4	77.2	88.4	96.2	115.3	135.4	154.4	173.5
90°	0.0	10.1	22.4	39.2	56.0	66.0	75.0	92.9	113.0	130.9	148.9
92.5°	2.2	11.2	24.6	40.3	57.1	67.2	76.1	94.0	113.0	130.9	148.9
95°	5.6	12.3	25.7	42.5	59.3	69.4	77.2	95.1	114.2	132.1	148.9
97.5°	10.1	15.7	29.1	44.8	61.6	70.5	79.5	97.4	115.3	133.2	150.0
100°	13.4	17.9	31.3	47.0	63.8	72.7	81.7	98.5	116.4	134.3	150.0
102.5°	16.8	22.4	34.7	49.2	66.0	75.0	82.8	99.6	117.5	134.3	150.0
105°	21.3	25.7	36.9	52.6	68.3	77.2	85.1	101.8	118.6	135.4	150.0
107.5°	25.7	29.1	40.3	54.8	70.5	78.3	86.2	103.0	119.8	135.4	150.0
110°	31.3	33.6	43.6	57.1	71.6	80.6	88.4	104.1	119.8	135.4	150.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	36.9	36.9	47.0	59.3	73.9	81.7	89.5	105.2	120.9	135.4	150.0
115°	41.4	42.5	50.4	61.6	76.1	83.9	90.7	105.2	120.9	135.4	148.9
117.5°	47.0	47.0	54.8	63.8	77.2	85.1	92.9	106.3	120.9	134.3	147.7
120°	52.6	51.5	58.2	67.2	79.5	86.2	94.0	107.4	120.9	134.3	146.6
122.5°	58.2	56.0	60.4	69.4	80.6	88.4	94.0	107.4	120.9	133.2	145.5
125°	62.7	60.4	63.8	72.7	82.8	89.5	95.1	107.4	120.9	132.1	144.4
127.5°	67.2	64.9	68.3	75.0	83.9	89.5	96.2	107.4	120.9	130.9	142.1
130°	71.6	68.3	72.7	77.2	86.2	90.7	96.2	107.4	119.8	129.8	139.9
132.5°	75.0	71.6	76.1	79.5	87.3	91.8	97.4	107.4	118.6	128.7	138.8
135°	77.2	73.9	79.5	81.7	89.5	94.0	98.5	107.4	117.5	127.6	136.5
137.5°	79.5	75.0	81.7	83.9	90.7	95.1	98.5	106.3	116.4	125.3	134.3
140°	80.6	77.2	83.9	86.2	89.5	94.0	98.5	105.2	114.2	123.1	130.9
142.5°	81.7	77.2	85.1	87.3	89.5	92.9	97.4	103.0	111.9	119.8	127.6
145°	81.7	78.3	85.1	87.3	89.5	91.8	95.1	101.8	108.6	115.3	123.1
147.5°	81.7	79.5	86.2	88.4	90.7	90.7	92.9	99.6	105.2	111.9	118.6
150°	82.8	79.5	86.2	88.4	91.8	91.8	92.9	96.2	103.0	107.4	113.0
152.5°	81.7	80.6	85.1	89.5	91.8	92.9	92.9	94.0	99.6	104.1	108.6
155°	82.8	82.8	86.2	91.8	92.9	92.9	94.0	92.9	95.1	99.6	104.1
157.5°	85.1	87.3	87.3	92.9	95.1	95.1	96.2	95.1	94.0	95.1	99.6
160°	88.4	90.7	90.7	94.0	97.4	97.4	98.5	97.4	96.2	95.1	95.1
162.5°	91.8	94.0	94.0	95.1	98.5	99.6	100.7	99.6	98.5	96.2	95.1
165°	95.1	97.4	97.4	97.4	99.6	100.7	101.8	100.7	100.7	98.5	97.4
167.5°	98.5	100.7	100.7	99.6	100.7	101.8	103.0	101.8	101.8	100.7	98.5
170°	101.8	104.1	104.1	101.8	103.0	103.0	104.1	103.0	103.0	100.7	99.6
172.5°	104.1	106.3	105.2	104.1	104.1	104.1	104.1	103.0	101.8	99.6	99.6
175°	105.2	107.4	107.4	105.2	104.1	104.1	105.2	103.0	101.8	100.7	98.5
177.5°	105.2	107.4	107.4	105.2	105.2	104.1	105.2	104.1	104.1	101.8	99.6
180°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5	1225.5
2.5°	1221.0	1219.9	1213.2	1221.0	1221.0	1218.8	1227.7	1226.6	1225.5	1223.3
5°	1216.6	1215.4	1208.7	1216.6	1216.6	1215.4	1224.4	1225.5	1226.6	1224.4
7.5°	1209.8	1208.7	1202.0	1209.8	1209.8	1208.7	1218.8	1219.9	1221.0	1217.7
10°	1199.8	1198.6	1191.9	1199.8	1200.9	1199.8	1207.6	1208.7	1211.0	1206.5
12.5°	1186.3	1186.3	1179.6	1187.5	1188.6	1187.5	1195.3	1197.5	1199.8	1194.2
15°	1169.5	1170.7	1165.1	1172.9	1174.0	1174.0	1181.9	1183.0	1186.3	1178.5
17.5°	1149.4	1151.6	1147.2	1155.0	1156.1	1157.2	1161.7	1165.1	1168.4	1159.5
20°	1128.1	1129.3	1125.9	1132.6	1134.9	1133.7	1139.3	1143.8	1147.2	1138.2
22.5°	1102.4	1103.5	1100.2	1106.9	1109.1	1110.2	1114.7	1120.3	1122.5	1114.7
25°	1073.3	1077.8	1075.5	1082.3	1084.5	1084.5	1089.0	1094.6	1097.9	1086.7
27.5°	1045.3	1050.9	1048.7	1055.4	1057.6	1058.7	1061.0	1067.7	1071.1	1061.0
30°	1014.0	1020.7	1019.6	1026.3	1028.5	1027.4	1031.9	1038.6	1043.1	1031.9
32.5°	979.3	988.2	987.1	996.1	998.3	999.4	1002.8	1011.7	1016.2	1006.1
35°	945.7	955.8	956.9	967.0	970.3	971.5	975.9	984.9	989.4	979.3
37.5°	911.0	924.4	927.8	937.9	941.2	942.4	946.8	956.9	961.4	951.3
40°	877.4	893.1	897.6	906.5	909.9	913.3	916.6	926.7	932.3	922.2
42.5°	843.9	860.7	866.2	875.2	878.6	881.9	886.4	897.6	902.1	893.1
45°	809.2	827.1	833.8	842.7	847.2	850.6	855.1	865.1	870.7	861.8
47.5°	774.5	792.4	799.1	809.2	813.6	818.1	821.5	833.8	839.4	830.4
50°	737.5	757.7	765.5	774.5	781.2	784.5	789.0	800.2	805.8	798.0
52.5°	700.6	721.9	730.8	739.8	746.5	752.1	754.3	766.6	772.2	764.4
55°	662.6	683.8	693.9	704.0	710.7	717.4	719.6	731.9	737.5	726.4
57.5°	624.5	646.9	657.0	668.2	673.7	681.6	684.9	696.1	701.7	693.9
60°	586.5	607.7	620.0	630.1	637.9	644.7	646.9	659.2	664.8	654.7
62.5°	547.3	569.7	582.0	593.2	599.9	607.7	611.1	622.3	626.7	616.7
65°	507.0	529.4	542.8	552.9	561.8	568.5	570.8	583.1	587.6	577.5
67.5°	466.7	489.1	503.6	514.8	522.7	530.5	532.7	545.0	549.5	541.7
70°	427.5	449.9	464.5	477.9	483.5	491.3	494.7	505.9	510.3	503.6
72.5°	388.4	410.7	426.4	439.8	445.4	453.3	457.7	466.7	473.4	467.8
75°	350.3	372.7	388.4	401.8	407.4	415.2	419.7	428.6	433.1	428.6
77.5°	313.4	335.8	350.3	363.7	370.5	377.2	381.6	390.6	396.2	391.7
80°	277.6	299.9	314.5	326.8	333.5	340.2	344.7	354.8	359.3	355.9
82.5°	244.0	265.2	280.9	293.2	299.9	306.7	311.1	320.1	325.7	321.2
85°	213.8	235.0	249.6	261.9	267.5	274.2	278.7	287.6	292.1	289.9
87.5°	184.7	203.7	220.5	232.8	238.4	245.1	250.7	257.4	263.0	259.7
90°	162.3	179.1	194.7	207.0	213.8	220.5	227.2	233.9	238.4	236.1
92.5°	163.4	179.1	193.6	204.8	211.5	218.2	225.0	232.8	236.1	233.9
95°	163.4	179.1	193.6	204.8	211.5	218.2	225.0	232.8	236.1	233.9
97.5°	163.4	179.1	193.6	204.8	211.5	218.2	225.0	232.8	236.1	232.8
100°	163.4	179.1	193.6	204.8	211.5	217.1	223.8	231.7	235.0	232.8
102.5°	163.4	179.1	192.5	203.7	210.4	216.0	222.7	230.6	233.9	231.7
105°	163.4	178.0	192.5	202.6	209.3	214.9	221.6	228.3	231.7	229.4
107.5°	162.3	176.8	190.3	201.5	207.0	212.6	219.4	226.1	229.4	227.2
110°	162.3	175.7	189.1	199.2	204.8	210.4	217.1	223.8	227.2	225.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	161.2	174.6	188.0	197.0	202.6	208.2	213.8	221.6	225.0	222.7
115°	160.0	173.5	185.8	194.7	200.3	204.8	211.5	219.4	221.6	220.5
117.5°	158.9	171.2	183.5	192.5	198.1	202.6	208.2	214.9	218.2	217.1
120°	157.8	169.0	181.3	189.1	194.7	199.2	203.7	210.4	213.8	211.5
122.5°	155.6	166.8	179.1	186.9	191.4	195.9	200.3	205.9	209.3	208.2
125°	153.3	164.5	175.7	183.5	188.0	191.4	195.9	201.5	203.7	202.6
127.5°	151.1	162.3	172.4	179.1	184.7	188.0	191.4	197.0	199.2	198.1
130°	148.9	158.9	169.0	175.7	180.2	183.5	186.9	192.5	193.6	193.6
132.5°	146.6	155.6	165.6	172.4	176.8	179.1	182.4	186.9	189.1	188.0
135°	144.4	152.2	162.3	167.9	171.2	174.6	178.0	182.4	183.5	183.5
137.5°	141.0	148.9	157.8	163.4	166.8	169.0	172.4	176.8	178.0	178.0
140°	137.7	145.5	153.3	157.8	162.3	164.5	166.8	171.2	172.4	172.4
142.5°	134.3	141.0	148.9	153.3	157.8	158.9	162.3	165.6	166.8	166.8
145°	129.8	137.7	144.4	148.9	152.2	153.3	156.7	160.0	160.0	161.2
147.5°	124.2	130.9	139.9	143.3	146.6	147.7	151.1	153.3	154.4	154.4
150°	118.6	125.3	133.2	138.8	142.1	143.3	144.4	147.7	147.7	148.9
152.5°	113.0	118.6	126.5	132.1	136.5	137.7	138.8	141.0	141.0	142.1
155°	107.4	111.9	118.6	124.2	128.7	130.9	133.2	135.4	135.4	136.5
157.5°	103.0	107.4	113.0	117.5	120.9	124.2	127.6	129.8	129.8	129.8
160°	97.4	100.7	106.3	109.7	114.2	116.4	122.0	124.2	124.2	125.3
162.5°	94.0	95.1	98.5	101.8	105.2	107.4	113.0	118.6	118.6	119.8
165°	95.1	94.0	95.1	96.2	98.5	99.6	103.0	110.8	113.0	114.2
167.5°	97.4	94.0	94.0	94.0	96.2	96.2	99.6	104.1	111.9	109.7
170°	97.4	94.0	91.8	91.8	92.9	91.8	94.0	97.4	101.8	106.3
172.5°	98.5	95.1	91.8	87.3	88.4	87.3	85.1	85.1	86.2	100.7
175°	97.4	95.1	90.7	85.1	83.9	80.6	73.9	68.3	64.9	50.4
177.5°	96.2	92.9	89.5	85.1	82.8	79.5	71.6	62.7	53.7	51.5
180°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8



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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	15.21	16.53	15.82	17.16	17.88	17.76	19.08	18.37	19.71	20.43
	3H	16.61	17.81	17.24	18.45	19.21	20.19	21.39	20.81	22.03	22.79
	4H	17.04	18.18	17.69	18.83	19.60	21.33	22.46	21.97	23.12	23.89
	6H	17.28	18.34	17.94	19.00	19.79	22.46	23.52	23.13	24.19	24.97
	8H	17.32	18.33	17.99	19.02	19.81	23.02	24.03	23.70	24.72	25.51
	12H	17.33	18.30	18.01	18.98	19.80	23.61	24.57	24.29	25.26	26.07
4H	2H	16.10	17.23	16.75	17.89	18.66	18.11	19.24	18.76	19.90	20.67
	3H	17.72	18.69	18.38	19.38	20.17	20.74	21.71	21.40	22.40	23.19
	4H	18.28	19.16	18.96	19.86	20.68	22.03	22.91	22.71	23.61	24.43
	6H	18.61	19.39	19.31	20.11	20.94	23.34	24.12	24.04	24.84	25.67
	8H	18.69	19.42	19.39	20.14	20.98	24.00	24.73	24.70	25.45	26.29
	12H	18.72	19.39	19.45	20.13	20.97	24.70	25.36	25.42	26.11	26.95
8H	4H	18.92	19.66	19.63	20.38	21.22	22.18	22.91	22.88	23.63	24.47
	6H	19.43	20.05	20.16	20.81	21.65	23.64	24.25	24.37	25.01	25.86
	8H	19.58	20.14	20.33	20.90	21.76	24.42	24.97	25.16	25.73	26.59
	12H	19.67	20.17	20.42	20.92	21.84	25.28	25.77	26.03	26.52	27.44
12H	4H	19.09	19.75	19.81	20.50	21.34	22.17	22.84	22.90	23.58	24.42
	6H	19.69	20.24	20.43	21.00	21.86	23.65	24.21	24.40	24.97	25.83
	8H	19.92	20.42	20.67	21.17	22.08	24.49	24.98	25.23	25.73	26.65