

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: P893742

Luminaire Tested: 4MB-6SL-FLTU-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893742
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-6SL-FLTU-UNV-L935
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 350
Light Source: -
Ballast/Driver: -

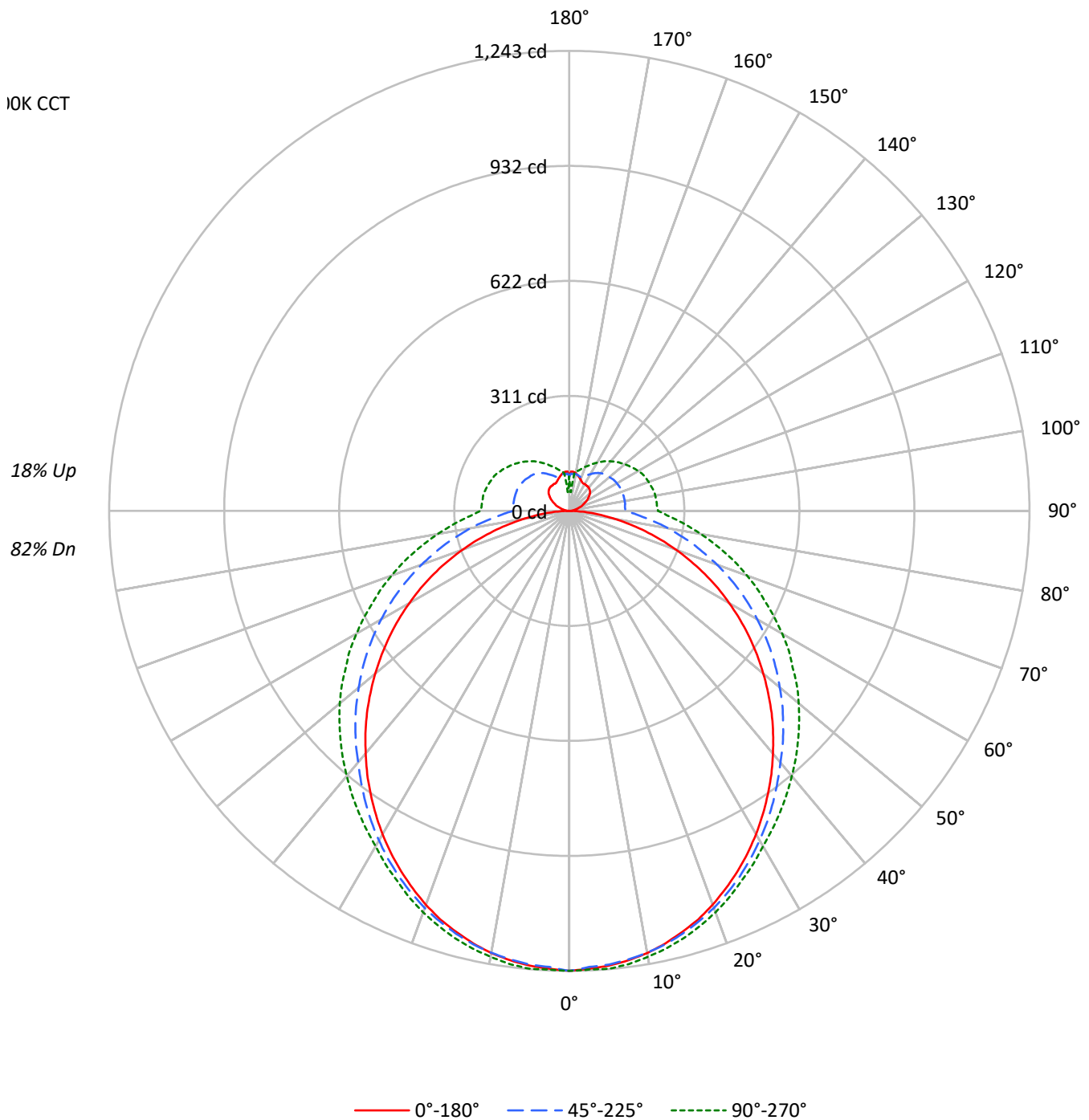
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4698.0 lumens
Efficiency: N/A
Efficacy: 105.8 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): 44.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4
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°	8842	8842	8842
5°	8770	8472	8462
10°	8685	8147	8060
15°	8557	7821	7675
20°	8415	7488	7286
25°	8236	7140	6891
30°	8046	6785	6531
35°	7835	6429	6233
40°	7613	6078	5950
45°	7390	5772	5681
50°	7130	5456	5419
55°	6850	5145	5125
60°	6514	4811	4847
65°	6115	4461	4533
70°	5594	4076	4240
75°	4880	3682	3925
80°	3943	3261	3600
85°	2722	2833	3303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	2.5
10°-20°	335.2	7.1
20°-30°	503.6	10.7
30°-40°	604.7	12.9
40°-50°	635.8	13.5
50°-60°	597.4	12.7
60°-70°	496.7	10.6
70°-80°	354.5	7.5
80°-90°	211.0	4.5
90°-100°	152.7	3.3
100°-110°	150.7	3.2
110°-120°	141.6	3.0
120°-130°	125.4	2.7
130°-140°	103.9	2.2
140°-150°	77.8	1.7
150°-160°	51.2	1.1
160°-170°	29.0	0.6
170°-180°	9.3	0.2
0°-30°	956.3	20.4
0°-40°	1560.9	33.2
0°-60°	2794.1	59.5
0°-90°	3856.4	82.1
90°-120°	445.0	9.5
90°-150°	752.2	16.0
90°-180°	842.0	17.9
0°-180°	4698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1234	1248	1230	1234	1242	117
15°	1178	1196	1183	1190	1195	332
25°	1075	1095	1090	1100	1102	495
35°	935	957	960	984	993	585
45°	773	794	817	859	874	596
55°	594	617	666	721	736	530
65°	404	437	506	570	586	400
75°	212	260	346	413	435	225
85°	53	117	203	271	294	58
90°	0	67	151	217	240	4
95°	6	70	151	214	237	6
105°	22	78	152	212	233	23
115°	42	85	151	203	224	42
125°	64	91	146	191	205	57
135°	78	95	138	174	186	60
145°	83	93	125	154	163	52
155°	84	94	106	130	138	39
165°	96	102	99	100	116	27
175°	107	106	100	85	51	10
180°	93	93	93	93	93	



TEST NUMBER: P893742

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7
2.5°	1238.2	1241.6	1242.7	1254.0	1249.5	1254.0	1246.1	1237.0	1234.8	1240.4	1233.6
5°	1233.6	1237.0	1238.2	1249.5	1245.0	1248.4	1241.6	1232.5	1230.2	1237.0	1230.2
7.5°	1224.5	1227.9	1229.1	1241.6	1235.9	1240.4	1232.5	1223.4	1222.3	1229.1	1222.3
10°	1213.2	1216.6	1217.7	1229.1	1224.5	1229.1	1221.1	1212.1	1210.9	1218.9	1212.1
12.5°	1197.3	1200.7	1203.0	1214.3	1208.7	1214.3	1205.2	1196.2	1197.3	1204.1	1199.6
15°	1178.0	1182.6	1183.7	1195.0	1190.5	1196.2	1187.1	1178.0	1180.3	1187.1	1182.6
17.5°	1157.6	1162.1	1163.3	1173.5	1168.9	1175.7	1165.5	1157.6	1159.9	1166.7	1163.3
20°	1132.6	1137.2	1139.4	1149.6	1145.1	1151.9	1141.7	1134.9	1137.2	1145.1	1141.7
22.5°	1104.2	1111.1	1112.2	1123.5	1117.9	1124.7	1114.5	1108.8	1112.2	1120.1	1116.7
25°	1074.7	1081.5	1082.7	1094.0	1089.5	1095.2	1085.0	1079.3	1083.8	1091.8	1089.5
27.5°	1043.0	1049.8	1052.0	1062.3	1057.7	1064.5	1053.2	1049.8	1054.3	1062.3	1060.0
30°	1008.9	1015.7	1016.9	1027.1	1023.7	1030.5	1020.3	1015.7	1022.5	1030.5	1028.2
32.5°	972.6	979.4	982.8	991.9	988.5	994.2	985.1	982.8	988.5	996.4	995.3
35°	935.1	942.0	945.4	955.6	951.0	956.7	947.6	945.4	954.4	960.1	960.1
37.5°	896.6	903.4	906.8	917.0	911.3	918.1	909.0	907.9	918.1	923.8	923.8
40°	855.7	863.6	867.1	876.1	871.6	877.3	869.3	870.5	879.5	886.3	887.5
42.5°	814.8	822.8	826.2	836.4	830.7	836.4	829.6	830.7	841.0	847.8	853.4
45°	772.9	779.7	783.1	794.4	787.6	794.4	787.6	789.9	800.1	810.3	817.1
47.5°	728.6	735.4	741.1	750.2	744.5	750.2	745.6	749.0	761.5	771.7	780.8
50°	684.3	691.1	696.8	704.8	699.1	707.0	701.4	705.9	721.8	732.0	742.2
52.5°	638.9	644.6	653.7	658.2	653.7	662.8	658.2	665.0	680.9	693.4	704.8
55°	593.5	599.2	608.3	611.7	607.2	617.4	614.0	623.1	640.1	653.7	666.2
57.5°	547.0	552.7	560.6	564.0	560.6	572.0	570.8	581.1	598.1	612.8	626.5
60°	499.3	505.0	511.8	515.2	515.2	526.6	526.6	539.1	557.2	570.8	586.7
62.5°	452.8	456.2	463.0	467.6	471.0	482.3	482.3	495.9	515.2	531.1	547.0
65°	404.0	407.4	413.1	418.8	424.4	436.9	438.1	452.8	472.1	488.0	506.2
67.5°	355.2	358.6	364.3	371.1	379.1	391.5	393.8	409.7	430.1	448.3	465.3
70°	307.6	308.7	315.5	324.6	333.7	346.1	349.5	366.6	388.1	406.3	424.4
72.5°	259.9	261.0	267.8	279.2	289.4	303.0	307.6	325.7	347.3	365.4	383.6
75°	212.2	213.4	222.4	236.1	247.4	259.9	265.6	284.9	306.4	325.7	346.1
77.5°	166.8	169.1	178.2	191.8	205.4	220.2	225.8	245.1	269.0	287.1	306.4
80°	124.8	127.1	137.3	152.1	166.8	180.4	187.3	206.5	231.5	249.7	271.2
82.5°	86.3	89.7	102.1	118.0	132.8	147.5	154.3	172.5	195.2	215.6	236.1
85°	53.3	57.9	70.4	87.4	103.3	116.9	123.7	143.0	164.6	183.9	203.1
87.5°	25.0	31.8	44.3	61.3	78.3	89.7	97.6	116.9	137.3	156.6	175.9
90°	0.0	10.2	22.7	39.7	56.7	67.0	76.0	94.2	114.6	132.8	150.9
92.5°	2.3	11.3	25.0	40.9	57.9	68.1	77.2	95.3	114.6	132.8	150.9
95°	5.7	12.5	26.1	43.1	60.1	70.4	78.3	96.5	115.8	133.9	150.9
97.5°	10.2	15.9	29.5	45.4	62.4	71.5	80.6	98.7	116.9	135.1	152.1
100°	13.6	18.2	31.8	47.7	64.7	73.8	82.8	99.9	118.0	136.2	152.1
102.5°	17.0	22.7	35.2	49.9	67.0	76.0	84.0	101.0	119.2	136.2	152.1
105°	21.6	26.1	37.5	53.3	69.2	78.3	86.3	103.3	120.3	137.3	152.1
107.5°	26.1	29.5	40.9	55.6	71.5	79.4	87.4	104.4	121.4	137.3	152.1
110°	31.8	34.0	44.3	57.9	72.6	81.7	89.7	105.5	121.4	137.3	152.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	37.5	37.5	47.7	60.1	74.9	82.8	90.8	106.7	122.6	137.3	152.1
115°	42.0	43.1	51.1	62.4	77.2	85.1	91.9	106.7	122.6	137.3	150.9
117.5°	47.7	47.7	55.6	64.7	78.3	86.3	94.2	107.8	122.6	136.2	149.8
120°	53.3	52.2	59.0	68.1	80.6	87.4	95.3	108.9	122.6	136.2	148.7
122.5°	59.0	56.7	61.3	70.4	81.7	89.7	95.3	108.9	122.6	135.1	147.5
125°	63.6	61.3	64.7	73.8	84.0	90.8	96.5	108.9	122.6	133.9	146.4
127.5°	68.1	65.8	69.2	76.0	85.1	90.8	97.6	108.9	122.6	132.8	144.1
130°	72.6	69.2	73.8	78.3	87.4	91.9	97.6	108.9	121.4	131.6	141.9
132.5°	76.0	72.6	77.2	80.6	88.5	93.1	98.7	108.9	120.3	130.5	140.7
135°	78.3	74.9	80.6	82.8	90.8	95.3	99.9	108.9	119.2	129.4	138.5
137.5°	80.6	76.0	82.8	85.1	91.9	96.5	99.9	107.8	118.0	127.1	136.2
140°	81.7	78.3	85.1	87.4	90.8	95.3	99.9	106.7	115.8	124.8	132.8
142.5°	82.8	78.3	86.3	88.5	90.8	94.2	98.7	104.4	113.5	121.4	129.4
145°	82.8	79.4	86.3	88.5	90.8	93.1	96.5	103.3	110.1	116.9	124.8
147.5°	82.8	80.6	87.4	89.7	91.9	91.9	94.2	101.0	106.7	113.5	120.3
150°	84.0	80.6	87.4	89.7	93.1	93.1	94.2	97.6	104.4	108.9	114.6
152.5°	82.8	81.7	86.3	90.8	93.1	94.2	94.2	95.3	101.0	105.5	110.1
155°	84.0	84.0	87.4	93.1	94.2	94.2	95.3	94.2	96.5	101.0	105.5
157.5°	86.3	88.5	88.5	94.2	96.5	96.5	97.6	96.5	95.3	96.5	101.0
160°	89.7	91.9	91.9	95.3	98.7	98.7	99.9	98.7	97.6	96.5	96.5
162.5°	93.1	95.3	95.3	96.5	99.9	101.0	102.1	101.0	99.9	97.6	96.5
165°	96.5	98.7	98.7	98.7	101.0	102.1	103.3	102.1	102.1	99.9	98.7
167.5°	99.9	102.1	102.1	101.0	102.1	103.3	104.4	103.3	103.3	102.1	99.9
170°	103.3	105.5	105.5	103.3	104.4	104.4	105.5	104.4	104.4	102.1	101.0
172.5°	105.5	107.8	106.7	105.5	105.5	105.5	105.5	104.4	103.3	101.0	101.0
175°	106.7	108.9	108.9	106.7	105.5	105.5	106.7	104.4	103.3	102.1	99.9
177.5°	106.7	108.9	108.9	106.7	106.7	105.5	106.7	105.5	105.5	103.3	101.0
180°	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7	1242.7
2.5°	1238.2	1237.0	1230.2	1238.2	1238.2	1235.9	1245.0	1243.8	1242.7	1240.4
5°	1233.6	1232.5	1225.7	1233.6	1233.6	1232.5	1241.6	1242.7	1243.8	1241.6
7.5°	1226.8	1225.7	1218.9	1226.8	1226.8	1225.7	1235.9	1237.0	1238.2	1234.8
10°	1216.6	1215.5	1208.7	1216.6	1217.7	1216.6	1224.5	1225.7	1227.9	1223.4
12.5°	1203.0	1203.0	1196.2	1204.1	1205.2	1204.1	1212.1	1214.3	1216.6	1210.9
15°	1186.0	1187.1	1181.4	1189.4	1190.5	1190.5	1198.4	1199.6	1203.0	1195.0
17.5°	1165.5	1167.8	1163.3	1171.2	1172.3	1173.5	1178.0	1181.4	1184.8	1175.7
20°	1144.0	1145.1	1141.7	1148.5	1150.8	1149.6	1155.3	1159.9	1163.3	1154.2
22.5°	1117.9	1119.0	1115.6	1122.4	1124.7	1125.8	1130.3	1136.0	1138.3	1130.3
25°	1088.4	1092.9	1090.6	1097.4	1099.7	1099.7	1104.2	1109.9	1113.3	1102.0
27.5°	1060.0	1065.7	1063.4	1070.2	1072.5	1073.6	1075.9	1082.7	1086.1	1075.9
30°	1028.2	1035.0	1033.9	1040.7	1043.0	1041.8	1046.4	1053.2	1057.7	1046.4
32.5°	993.0	1002.1	1001.0	1010.0	1012.3	1013.5	1016.9	1025.9	1030.5	1020.3
35°	959.0	969.2	970.3	980.5	983.9	985.1	989.6	998.7	1003.2	993.0
37.5°	923.8	937.4	940.8	951.0	954.4	955.6	960.1	970.3	974.9	964.7
40°	889.8	905.6	910.2	919.3	922.7	926.1	929.5	939.7	945.4	935.1
42.5°	855.7	872.7	878.4	887.5	890.9	894.3	898.8	910.2	914.7	905.6
45°	820.5	838.7	845.5	854.6	859.1	862.5	867.1	877.3	882.9	873.9
47.5°	785.3	803.5	810.3	820.5	825.1	829.6	833.0	845.5	851.2	842.1
50°	747.9	768.3	776.3	785.3	792.2	795.6	800.1	811.4	817.1	809.2
52.5°	710.4	732.0	741.1	750.2	757.0	762.6	764.9	777.4	783.1	775.1
55°	671.9	693.4	703.6	713.8	720.7	727.5	729.7	742.2	747.9	736.5
57.5°	633.3	656.0	666.2	677.5	683.2	691.1	694.6	705.9	711.6	703.6
60°	594.7	616.2	628.7	638.9	646.9	653.7	656.0	668.4	674.1	663.9
62.5°	555.0	577.7	590.1	601.5	608.3	616.2	619.6	631.0	635.5	625.3
65°	514.1	536.8	550.4	560.6	569.7	576.5	578.8	591.3	595.8	585.6
67.5°	473.2	495.9	510.7	522.0	530.0	537.9	540.2	552.7	557.2	549.3
70°	433.5	456.2	471.0	484.6	490.3	498.2	501.6	513.0	517.5	510.7
72.5°	393.8	416.5	432.4	446.0	451.7	459.6	464.2	473.2	480.1	474.4
75°	355.2	377.9	393.8	407.4	413.1	421.0	425.6	434.7	439.2	434.7
77.5°	317.8	340.5	355.2	368.8	375.6	382.5	387.0	396.1	401.7	397.2
80°	281.5	304.1	318.9	331.4	338.2	345.0	349.5	359.8	364.3	360.9
82.5°	247.4	269.0	284.9	297.3	304.1	311.0	315.5	324.6	330.3	325.7
85°	216.8	238.3	253.1	265.6	271.2	278.0	282.6	291.7	296.2	293.9
87.5°	187.3	206.5	223.6	236.1	241.7	248.5	254.2	261.0	266.7	263.3
90°	164.6	181.6	197.5	210.0	216.8	223.6	230.4	237.2	241.7	239.5
92.5°	165.7	181.6	196.3	207.7	214.5	221.3	228.1	236.1	239.5	237.2
95°	165.7	181.6	196.3	207.7	214.5	221.3	228.1	236.1	239.5	237.2
97.5°	165.7	181.6	196.3	207.7	214.5	221.3	228.1	236.1	239.5	236.1
100°	165.7	181.6	196.3	207.7	214.5	220.2	227.0	234.9	238.3	236.1
102.5°	165.7	181.6	195.2	206.5	213.4	219.0	225.8	233.8	237.2	234.9
105°	165.7	180.4	195.2	205.4	212.2	217.9	224.7	231.5	234.9	232.7
107.5°	164.6	179.3	192.9	204.3	210.0	215.6	222.4	229.2	232.7	230.4
110°	164.6	178.2	191.8	202.0	207.7	213.4	220.2	227.0	230.4	228.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	163.4	177.0	190.7	199.7	205.4	211.1	216.8	224.7	228.1	225.8
115°	162.3	175.9	188.4	197.5	203.1	207.7	214.5	222.4	224.7	223.6
117.5°	161.2	173.6	186.1	195.2	200.9	205.4	211.1	217.9	221.3	220.2
120°	160.0	171.4	183.9	191.8	197.5	202.0	206.5	213.4	216.8	214.5
122.5°	157.7	169.1	181.6	189.5	194.1	198.6	203.1	208.8	212.2	211.1
125°	155.5	166.8	178.2	186.1	190.7	194.1	198.6	204.3	206.5	205.4
127.5°	153.2	164.6	174.8	181.6	187.3	190.7	194.1	199.7	202.0	200.9
130°	150.9	161.2	171.4	178.2	182.7	186.1	189.5	195.2	196.3	196.3
132.5°	148.7	157.7	168.0	174.8	179.3	181.6	185.0	189.5	191.8	190.7
135°	146.4	154.3	164.6	170.2	173.6	177.0	180.4	185.0	186.1	186.1
137.5°	143.0	150.9	160.0	165.7	169.1	171.4	174.8	179.3	180.4	180.4
140°	139.6	147.5	155.5	160.0	164.6	166.8	169.1	173.6	174.8	174.8
142.5°	136.2	143.0	150.9	155.5	160.0	161.2	164.6	168.0	169.1	169.1
145°	131.6	139.6	146.4	150.9	154.3	155.5	158.9	162.3	162.3	163.4
147.5°	126.0	132.8	141.9	145.3	148.7	149.8	153.2	155.5	156.6	156.6
150°	120.3	127.1	135.1	140.7	144.1	145.3	146.4	149.8	149.8	150.9
152.5°	114.6	120.3	128.2	133.9	138.5	139.6	140.7	143.0	143.0	144.1
155°	108.9	113.5	120.3	126.0	130.5	132.8	135.1	137.3	137.3	138.5
157.5°	104.4	108.9	114.6	119.2	122.6	126.0	129.4	131.6	131.6	131.6
160°	98.7	102.1	107.8	111.2	115.8	118.0	123.7	126.0	126.0	127.1
162.5°	95.3	96.5	99.9	103.3	106.7	108.9	114.6	120.3	120.3	121.4
165°	96.5	95.3	96.5	97.6	99.9	101.0	104.4	112.4	114.6	115.8
167.5°	98.7	95.3	95.3	95.3	97.6	97.6	101.0	105.5	113.5	111.2
170°	98.7	95.3	93.1	93.1	94.2	93.1	95.3	98.7	103.3	107.8
172.5°	99.9	96.5	93.1	88.5	89.7	88.5	86.3	86.3	87.4	102.1
175°	98.7	96.5	91.9	86.3	85.1	81.7	74.9	69.2	65.8	51.1
177.5°	97.6	94.2	90.8	86.3	84.0	80.6	72.6	63.6	54.5	52.2
180°	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1



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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	15.25	16.57	15.87	17.21	17.93	17.81	19.13	18.42	19.76	20.48
	3H	16.66	17.86	17.29	18.50	19.26	20.23	21.44	20.86	22.08	22.83
	4H	17.09	18.23	17.74	18.88	19.65	21.38	22.51	22.02	23.17	23.94
	6H	17.33	18.38	17.99	19.05	19.83	22.51	23.57	23.17	24.24	25.02
	8H	17.37	18.38	18.04	19.07	19.86	23.07	24.08	23.74	24.77	25.56
	12H	17.38	18.35	18.06	19.03	19.85	23.65	24.62	24.33	25.30	26.12
4H	2H	16.14	17.28	16.79	17.94	18.71	18.16	19.29	18.81	19.95	20.72
	3H	17.77	18.74	18.43	19.43	20.22	20.79	21.75	21.45	22.45	23.23
	4H	18.32	19.21	19.00	19.91	20.72	22.08	22.96	22.76	23.66	24.48
	6H	18.66	19.44	19.36	20.16	20.99	23.39	24.17	24.09	24.89	25.71
	8H	18.74	19.47	19.44	20.19	21.03	24.05	24.78	24.75	25.50	26.34
	12H	18.77	19.43	19.49	20.18	21.02	24.75	25.41	25.47	26.15	27.00
8H	4H	18.97	19.70	19.68	20.42	21.26	22.23	22.96	22.93	23.68	24.52
	6H	19.48	20.10	20.21	20.85	21.70	23.68	24.30	24.42	25.06	25.91
	8H	19.63	20.19	20.38	20.95	21.81	24.46	25.02	25.21	25.78	26.64
	12H	19.72	20.22	20.47	20.97	21.89	25.33	25.82	26.07	26.57	27.49
12H	4H	19.14	19.80	19.86	20.54	21.39	22.22	22.88	22.94	23.63	24.47
	6H	19.73	20.29	20.48	21.05	21.91	23.70	24.26	24.45	25.02	25.88
	8H	19.97	20.46	20.72	21.22	22.13	24.53	25.03	25.28	25.78	26.70