

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: P893786

Luminaire Tested: 4MB-6SL-RNDU-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-6SL-RNDU-UNV-L835
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

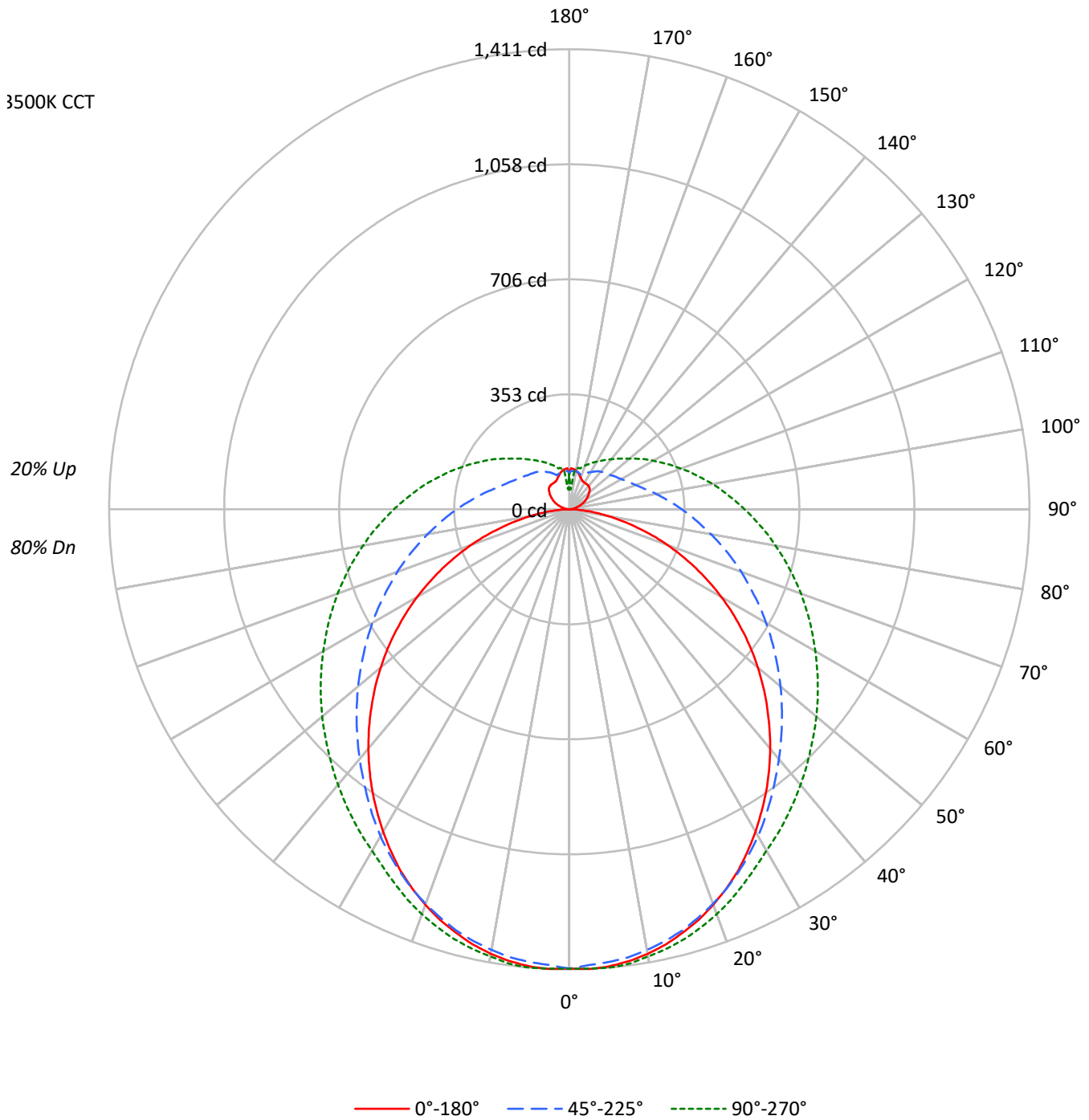
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5925.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10023	10023	10023
5°	10005	9599	9619
10°	9912	9225	9175
15°	9765	8847	8764
20°	9590	8447	8343
25°	9378	8046	7920
30°	9107	7641	7546
35°	8827	7225	7269
40°	8526	6848	7019
45°	8202	6513	6796
50°	7862	6216	6624
55°	7472	5941	6473
60°	7030	5716	6361
65°	6492	5516	6297
70°	5825	5393	6276
75°	4933	5304	6304
80°	3854	5303	6404
85°	2467	5441	6614

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8202 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	2.2
10°-20°	380.0	6.4
20°-30°	570.6	9.6
30°-40°	686.1	11.6
40°-50°	726.9	12.3
50°-60°	700.1	11.8
60°-70°	619.6	10.5
70°-80°	508.2	8.6
80°-90°	394.3	6.7
90°-100°	306.1	5.2
100°-110°	242.5	4.1
110°-120°	193.2	3.3
120°-130°	153.5	2.6
130°-140°	119.8	2.0
140°-150°	88.2	1.5
150°-160°	58.3	1.0
160°-170°	33.6	0.6
170°-180°	10.8	0.2
0°-30°	1083.9	18.3
0°-40°	1770.0	29.9
0°-60°	3197.0	54.0
0°-90°	4719.1	79.6
90°-120°	741.7	12.5
90°-150°	1103.2	18.6
90°-180°	1206.0	20.4
0°-180°	5925.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1409	1409	1409	1409	1409	
5°	1407	1409	1394	1405	1411	134
15°	1344	1346	1338	1358	1364	379
25°	1224	1228	1228	1259	1267	563
35°	1054	1067	1079	1135	1158	659
45°	858	878	922	1009	1046	662
55°	647	680	769	883	930	579
65°	429	488	626	757	814	425
75°	214	322	499	639	698	229
85°	48	194	390	532	588	55
90°	1	153	344	482	538	4
95°	7	126	304	436	489	7
105°	24	102	240	356	403	26
115°	48	98	200	291	330	47
125°	70	102	174	240	269	62
135°	88	109	157	201	220	68
145°	94	107	142	173	184	59
155°	95	111	122	147	156	45
165°	113	119	115	115	130	32
175°	125	123	118	98	66	12
180°	109	109	109	109	109	



TEST NUMBER: P893786
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7
2.5°	1411.4	1410.0	1412.7	1415.4	1423.4	1412.7	1418.1	1403.3	1404.7	1406.0	1399.3
5°	1407.3	1403.3	1407.3	1410.0	1416.7	1408.7	1414.0	1398.0	1399.3	1402.0	1393.9
7.5°	1398.0	1393.9	1396.6	1399.3	1406.0	1398.0	1404.7	1388.6	1391.3	1392.6	1385.9
10°	1384.6	1379.2	1381.9	1385.9	1391.3	1384.6	1389.9	1375.2	1376.5	1379.2	1372.5
12.5°	1367.1	1361.8	1364.4	1367.1	1373.8	1367.1	1372.5	1357.7	1360.4	1363.1	1356.4
15°	1344.3	1339.0	1341.7	1344.3	1349.7	1345.7	1351.0	1336.3	1339.0	1344.3	1337.6
17.5°	1320.2	1312.2	1314.9	1318.9	1324.2	1321.6	1325.6	1313.5	1314.9	1320.2	1313.5
20°	1290.7	1282.7	1285.4	1289.4	1294.8	1293.4	1296.1	1285.4	1288.0	1294.8	1288.0
22.5°	1258.6	1250.5	1253.2	1258.6	1262.6	1262.6	1263.9	1255.9	1258.6	1265.3	1259.9
25°	1223.7	1215.7	1218.4	1223.7	1227.7	1227.7	1230.4	1222.4	1226.4	1233.1	1227.7
27.5°	1183.5	1179.5	1179.5	1184.8	1187.5	1190.2	1191.5	1184.8	1190.2	1196.9	1192.9
30°	1142.0	1136.6	1139.3	1146.0	1146.0	1151.3	1151.3	1146.0	1152.7	1160.7	1158.0
32.5°	1097.7	1093.7	1095.0	1103.1	1103.1	1109.8	1108.4	1105.8	1112.5	1121.8	1119.2
35°	1053.5	1049.5	1050.8	1058.9	1058.9	1066.9	1064.2	1064.2	1070.9	1081.6	1079.0
37.5°	1006.6	1003.9	1005.2	1013.3	1013.3	1021.3	1018.6	1020.0	1028.0	1040.1	1038.7
40°	958.3	955.6	958.3	965.0	967.7	974.4	971.7	974.4	985.1	995.9	999.9
42.5°	908.7	907.4	910.1	916.8	919.5	926.2	924.8	928.8	939.6	955.6	961.0
45°	857.8	857.8	860.5	867.2	869.9	877.9	876.6	881.9	895.3	912.8	922.1
47.5°	806.9	808.2	809.6	817.6	817.6	831.0	827.0	835.0	852.4	872.5	883.3
50°	754.6	757.3	758.6	765.3	768.0	780.1	777.4	790.8	809.6	831.0	845.7
52.5°	702.3	705.0	707.7	713.1	715.7	730.5	727.8	745.2	768.0	790.8	806.9
55°	647.4	652.7	654.1	660.8	664.8	679.5	679.5	699.6	723.8	749.2	769.3
57.5°	593.8	599.1	600.5	608.5	613.9	631.3	634.0	656.8	683.6	709.0	733.2
60°	538.8	545.5	546.9	554.9	564.3	583.0	587.1	612.5	642.0	668.8	697.0
62.5°	483.9	490.6	493.2	501.3	516.0	534.8	541.5	571.0	601.8	631.3	662.1
65°	428.9	435.6	439.6	450.3	467.8	487.9	497.3	528.1	562.9	593.8	625.9
67.5°	373.9	382.0	387.4	400.8	423.5	445.0	454.4	489.2	525.4	558.9	592.4
70°	320.3	328.4	335.1	352.5	379.3	400.8	412.8	450.3	487.9	524.1	561.6
72.5°	268.1	276.1	285.5	306.9	336.4	360.5	373.9	412.8	454.4	490.6	529.4
75°	214.5	223.8	234.6	264.0	297.6	321.7	336.4	378.0	420.9	457.0	498.6
77.5°	166.2	175.6	191.7	221.2	258.7	285.5	301.6	345.8	390.0	426.2	469.1
80°	122.0	131.4	152.8	185.0	223.8	249.3	269.4	315.0	360.5	398.1	441.0
82.5°	83.1	92.5	117.9	152.8	194.3	219.8	238.6	286.8	332.4	371.3	414.2
85°	48.3	61.7	88.5	126.0	168.9	194.3	213.1	262.7	306.9	345.8	390.0
87.5°	21.4	37.5	67.0	104.5	147.4	171.6	191.7	237.2	284.1	323.0	367.2
90°	1.3	21.4	52.3	88.5	130.0	152.8	171.6	217.1	261.4	301.6	344.5
92.5°	2.7	14.7	42.9	76.4	115.3	138.1	156.8	199.7	241.3	282.8	324.4
95°	6.7	14.7	37.5	68.4	104.5	126.0	143.4	185.0	223.8	264.0	304.3
97.5°	10.7	16.1	36.2	64.3	96.5	116.6	132.7	171.6	210.4	246.6	286.8
100°	14.7	20.1	36.2	61.7	91.1	109.9	124.6	160.8	197.0	230.5	270.7
102.5°	18.8	24.1	38.9	61.7	88.5	104.5	119.3	152.8	186.3	217.1	254.7
105°	24.1	28.1	41.5	61.7	85.8	101.9	113.9	144.8	176.9	206.4	239.9
107.5°	29.5	32.2	44.2	63.0	85.8	99.2	111.2	139.4	168.9	195.7	227.9
110°	36.2	37.5	48.3	65.7	85.8	97.8	108.6	135.4	162.2	187.6	217.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	41.5	41.5	52.3	68.4	85.8	97.8	107.2	131.4	156.8	179.6	207.7
115°	48.3	48.3	56.3	71.0	87.1	97.8	107.2	130.0	152.8	172.9	199.7
117.5°	53.6	53.6	61.7	73.7	89.8	99.2	107.2	127.3	148.8	167.5	191.7
120°	59.0	59.0	64.3	76.4	91.1	100.5	107.2	126.0	144.8	163.5	185.0
122.5°	64.3	64.3	68.4	80.4	92.5	100.5	107.2	124.6	142.1	158.2	178.3
125°	69.7	69.7	72.4	83.1	95.2	101.9	108.6	124.6	140.7	154.1	174.2
127.5°	75.1	73.7	77.7	87.1	96.5	103.2	109.9	124.6	138.1	151.5	168.9
130°	79.1	77.7	83.1	89.8	99.2	104.5	109.9	123.3	136.7	148.8	163.5
132.5°	84.4	81.8	88.5	91.1	101.9	107.2	111.2	123.3	135.4	146.1	160.8
135°	88.5	85.8	92.5	95.2	103.2	108.6	112.6	123.3	134.0	144.8	156.8
137.5°	91.1	89.8	96.5	99.2	104.5	109.9	113.9	123.3	132.7	142.1	154.1
140°	92.5	91.1	96.5	101.9	104.5	109.9	112.6	122.0	131.4	139.4	150.1
142.5°	93.8	93.8	97.8	103.2	104.5	108.6	112.6	120.6	128.7	135.4	147.4
145°	93.8	93.8	97.8	104.5	105.9	107.2	109.9	117.9	124.6	131.4	142.1
147.5°	93.8	93.8	99.2	104.5	107.2	108.6	107.2	115.3	122.0	127.3	136.7
150°	93.8	93.8	99.2	104.5	108.6	109.9	108.6	112.6	117.9	123.3	131.4
152.5°	95.2	95.2	99.2	104.5	108.6	109.9	109.9	109.9	113.9	119.3	127.3
155°	95.2	96.5	99.2	107.2	109.9	111.2	111.2	111.2	109.9	115.3	122.0
157.5°	99.2	100.5	101.9	108.6	111.2	112.6	112.6	112.6	111.2	109.9	116.6
160°	103.2	104.5	105.9	111.2	113.9	115.3	115.3	115.3	112.6	111.2	111.2
162.5°	107.2	109.9	109.9	112.6	115.3	116.6	116.6	117.9	115.3	113.9	112.6
165°	112.6	113.9	113.9	115.3	117.9	119.3	117.9	119.3	117.9	116.6	115.3
167.5°	116.6	117.9	117.9	119.3	119.3	120.6	120.6	120.6	119.3	117.9	117.9
170°	120.6	122.0	122.0	122.0	122.0	122.0	122.0	122.0	120.6	117.9	117.9
172.5°	123.3	124.6	124.6	123.3	123.3	123.3	123.3	122.0	119.3	117.9	117.9
175°	124.6	126.0	126.0	124.6	123.3	123.3	123.3	122.0	119.3	117.9	117.9
177.5°	126.0	127.3	126.0	126.0	123.3	123.3	123.3	123.3	120.6	119.3	117.9
180°	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7	1408.7
2.5°	1407.3	1391.3	1402.0	1403.3	1408.7	1403.3	1407.3	1403.3	1414.0	1410.0
5°	1402.0	1387.2	1396.6	1398.0	1404.7	1398.0	1404.7	1402.0	1415.4	1411.4
7.5°	1392.6	1380.5	1388.6	1389.9	1398.0	1391.3	1398.0	1395.3	1411.4	1406.0
10°	1379.2	1369.8	1377.9	1379.2	1387.2	1380.5	1385.9	1383.2	1400.6	1392.6
12.5°	1364.4	1356.4	1363.1	1364.4	1373.8	1367.1	1373.8	1371.1	1388.6	1380.5
15°	1343.0	1339.0	1345.7	1348.4	1357.7	1352.4	1359.1	1356.4	1375.2	1364.4
17.5°	1321.6	1318.9	1325.6	1328.3	1339.0	1332.3	1339.0	1336.3	1355.1	1344.3
20°	1294.8	1293.4	1300.1	1304.1	1313.5	1306.8	1314.9	1312.2	1332.3	1321.6
22.5°	1266.6	1266.6	1272.0	1276.0	1285.4	1280.0	1288.0	1286.7	1306.8	1296.1
25°	1235.8	1237.1	1242.5	1247.8	1258.6	1254.5	1261.2	1261.2	1280.0	1266.6
27.5°	1200.9	1207.6	1211.7	1218.4	1227.7	1223.7	1230.4	1231.8	1250.5	1237.1
30°	1164.7	1174.1	1178.1	1186.2	1194.2	1194.2	1200.9	1203.6	1222.4	1209.0
32.5°	1127.2	1137.9	1143.3	1154.0	1164.7	1164.7	1174.1	1178.1	1196.9	1184.8
35°	1089.7	1104.4	1111.1	1124.5	1135.3	1136.6	1146.0	1151.3	1170.1	1158.0
37.5°	1053.5	1072.3	1079.0	1095.0	1104.4	1107.1	1117.8	1124.5	1142.0	1131.2
40°	1016.0	1038.7	1046.8	1064.2	1072.3	1077.6	1088.3	1096.4	1112.5	1103.1
42.5°	979.8	1005.2	1013.3	1032.0	1041.4	1046.8	1057.5	1068.2	1084.3	1074.9
45°	943.6	971.7	981.1	1001.2	1009.3	1017.3	1029.4	1038.7	1053.5	1045.5
47.5°	908.7	938.2	947.6	969.1	978.4	987.8	998.5	1011.9	1025.3	1017.3
50°	872.5	903.4	915.4	938.2	946.3	957.0	970.4	982.5	995.9	989.2
52.5°	837.7	869.9	881.9	906.1	915.4	926.2	939.6	953.0	965.0	959.7
55°	800.2	835.0	848.4	873.9	883.3	894.0	908.7	923.5	934.2	930.2
57.5°	765.3	801.5	814.9	843.1	851.1	864.5	879.3	895.3	904.7	900.7
60°	730.5	766.7	782.7	810.9	820.3	833.7	848.4	865.8	873.9	871.2
62.5°	695.6	733.2	750.6	780.1	788.1	802.9	820.3	835.0	843.1	841.7
65°	663.5	699.6	719.8	749.2	757.3	773.4	789.4	805.5	813.6	813.6
67.5°	630.0	668.8	688.9	719.8	726.5	743.9	761.3	777.4	784.1	784.1
70°	599.1	636.7	659.4	690.3	697.0	713.1	731.8	749.2	754.6	755.9
72.5°	568.3	605.8	630.0	662.1	668.8	684.9	702.3	721.1	725.1	726.5
75°	538.8	576.3	600.5	632.6	639.3	655.4	674.2	691.6	697.0	698.3
77.5°	509.3	546.9	573.7	604.5	611.2	627.3	646.0	663.5	667.5	670.2
80°	482.5	518.7	544.2	577.7	584.4	600.5	617.9	635.3	638.0	642.0
82.5°	455.7	491.9	518.7	550.9	557.6	573.7	591.1	608.5	611.2	616.5
85°	430.2	466.4	493.2	524.1	532.1	546.9	565.6	581.7	584.4	588.4
87.5°	407.5	441.0	469.1	498.6	506.6	521.4	540.1	556.2	557.6	562.9
90°	383.3	416.8	445.0	474.5	482.5	495.9	514.7	530.8	533.4	537.5
92.5°	363.2	394.1	423.5	451.7	458.4	473.1	490.6	506.6	509.3	513.3
95°	341.8	372.6	402.1	428.9	435.6	450.3	466.4	482.5	485.2	489.2
97.5°	323.0	352.5	380.7	407.5	414.2	427.6	445.0	459.7	462.4	467.8
100°	305.6	333.7	363.2	387.4	394.1	407.5	423.5	438.3	441.0	446.3
102.5°	289.5	316.3	344.5	367.2	375.3	387.4	403.4	416.8	419.5	423.5
105°	274.8	300.2	327.0	348.5	356.5	368.6	383.3	396.7	399.4	403.4
107.5°	260.0	284.1	309.6	331.1	337.8	348.5	363.2	376.6	379.3	384.7
110°	246.6	270.7	294.9	315.0	323.0	331.1	345.8	357.9	360.5	364.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	234.6	256.0	280.1	298.9	305.6	315.0	327.0	339.1	341.8	347.1
115°	223.8	243.9	268.1	285.5	290.8	298.9	312.3	323.0	325.7	329.7
117.5°	214.5	231.9	253.3	270.7	277.4	284.1	296.2	305.6	309.6	312.3
120°	206.4	222.5	241.3	257.3	265.4	270.7	281.5	290.8	294.9	297.6
122.5°	198.4	213.1	230.5	245.3	252.0	256.0	268.1	276.1	280.1	284.1
125°	191.7	205.1	221.2	233.2	239.9	243.9	254.7	262.7	266.7	269.4
127.5°	185.0	197.0	213.1	222.5	229.2	231.9	241.3	249.3	253.3	254.7
130°	178.3	190.3	203.7	213.1	218.5	222.5	230.5	235.9	239.9	241.3
132.5°	172.9	183.6	195.7	205.1	210.4	211.8	219.8	225.2	229.2	230.5
135°	168.9	176.9	189.0	197.0	201.0	203.7	210.4	214.5	218.5	219.8
137.5°	163.5	171.6	182.3	187.6	193.0	194.3	201.0	205.1	209.1	210.4
140°	159.5	166.2	175.6	180.9	186.3	186.3	191.7	195.7	199.7	199.7
142.5°	155.5	162.2	170.2	175.6	179.6	179.6	185.0	187.6	191.7	191.7
145°	150.1	156.8	164.9	168.9	172.9	172.9	176.9	179.6	183.6	183.6
147.5°	144.8	151.5	159.5	162.2	166.2	166.2	170.2	172.9	175.6	175.6
150°	138.1	143.4	152.8	156.8	160.8	160.8	163.5	166.2	168.9	168.9
152.5°	132.7	136.7	144.8	150.1	154.1	154.1	156.8	159.5	162.2	162.2
155°	126.0	130.0	136.7	143.4	147.4	148.8	151.5	152.8	155.5	155.5
157.5°	120.6	124.6	130.0	135.4	139.4	142.1	146.1	147.4	148.8	148.8
160°	113.9	116.6	122.0	127.3	131.4	134.0	140.7	142.1	143.4	143.4
162.5°	111.2	111.2	113.9	117.9	122.0	123.3	130.0	135.4	138.1	136.7
165°	112.6	111.2	111.2	112.6	115.3	116.6	120.6	128.7	131.4	130.0
167.5°	115.3	112.6	111.2	111.2	113.9	113.9	117.9	124.6	132.7	130.0
170°	115.3	111.2	108.6	108.6	109.9	109.9	112.6	116.6	124.6	126.0
172.5°	113.9	111.2	107.2	101.9	103.2	101.9	100.5	103.2	104.5	117.9
175°	115.3	111.2	107.2	100.5	97.8	93.8	87.1	81.8	80.4	65.7
177.5°	113.9	109.9	104.5	99.2	96.5	91.1	83.1	73.7	68.4	60.3
180°	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6	108.6



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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	14.94	16.25	15.58	16.92	17.68	18.48	19.79	19.13	20.46	21.23
	3H	16.29	17.49	16.94	18.16	18.96	21.40	22.60	22.06	23.27	24.08
	4H	16.69	17.83	17.36	18.52	19.33	22.88	24.02	23.55	24.70	25.52
	6H	16.91	17.97	17.59	18.67	19.50	24.44	25.50	25.12	26.19	27.02
	8H	16.94	17.96	17.64	18.68	19.51	25.24	26.26	25.94	26.98	27.81
	12H	16.95	17.92	17.65	18.63	19.50	26.12	27.10	26.83	27.81	28.67
4H	2H	16.08	17.22	16.76	17.91	18.72	18.80	19.94	19.48	20.63	21.44
	3H	17.72	18.70	18.41	19.42	20.26	21.95	22.93	22.64	23.65	24.49
	4H	18.29	19.19	19.00	19.92	20.78	23.60	24.50	24.31	25.23	26.09
	6H	18.63	19.43	19.35	20.18	21.05	25.37	26.17	26.10	26.92	27.79
	8H	18.71	19.46	19.43	20.21	21.09	26.31	27.06	27.04	27.81	28.69
	12H	18.73	19.42	19.48	20.19	21.08	27.33	28.02	28.08	28.79	29.68
8H	4H	19.38	20.13	20.10	20.88	21.76	23.78	24.53	24.50	25.28	26.16
	6H	19.99	20.63	20.74	21.42	22.30	25.73	26.37	26.48	27.16	28.04
	8H	20.18	20.76	20.95	21.55	22.45	26.81	27.39	27.58	28.18	29.08
	12H	20.30	20.81	21.07	21.59	22.55	28.03	28.55	28.80	29.33	30.28
12H	4H	19.73	20.42	20.48	21.19	22.08	23.77	24.46	24.52	25.23	26.12
	6H	20.51	21.09	21.27	21.88	22.78	25.76	26.34	26.53	27.13	28.03
	8H	20.84	21.36	21.61	22.13	23.09	26.91	27.42	27.68	28.20	29.16