

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: P895158

Luminaire Tested: 8TMB-6SL-RNDU-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895158
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: 8TMB-6SL-RNDU-UNV-L835
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

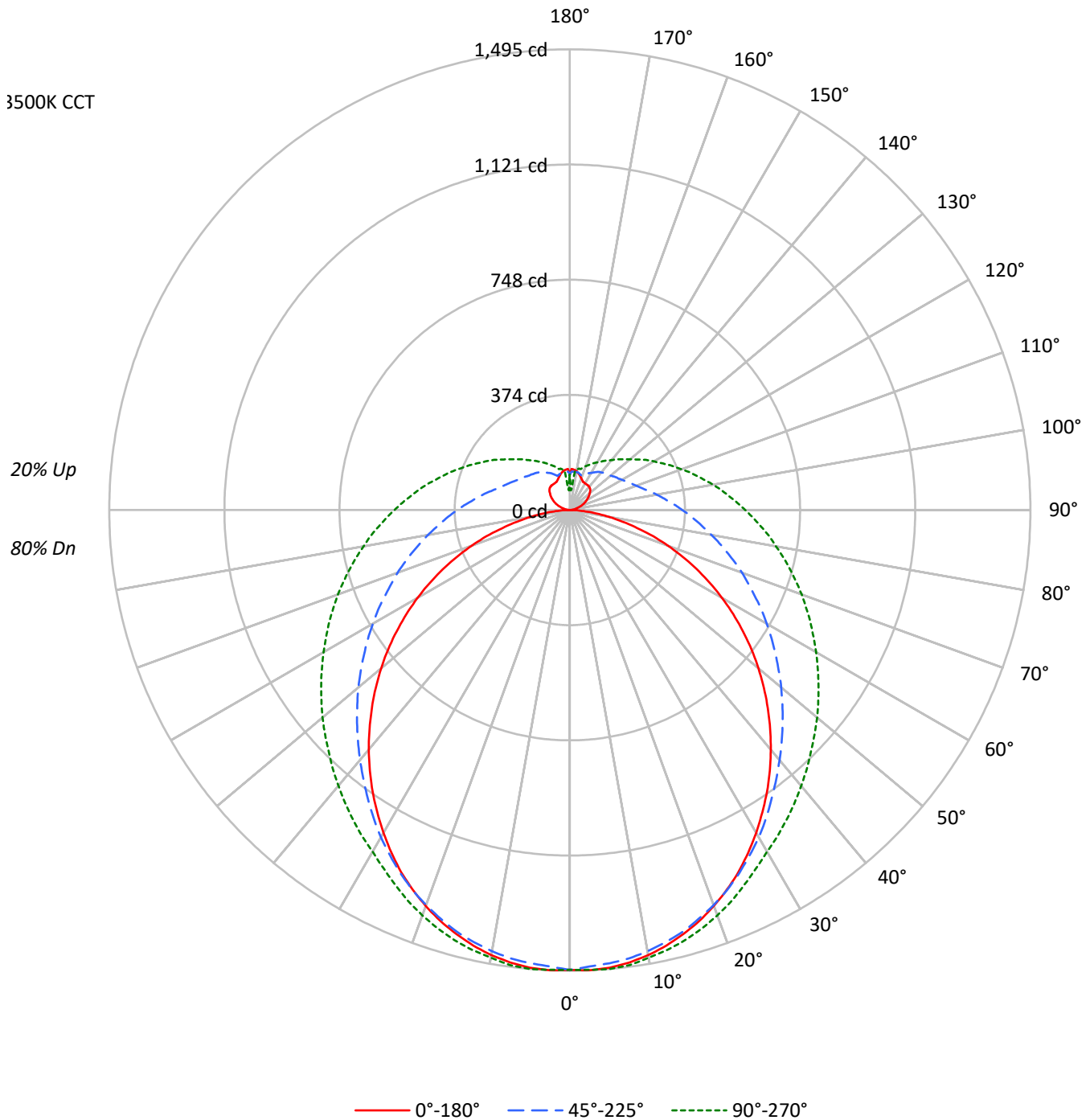
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6276.0 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.51
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°	5294	5294	5294
5°	5297	5078	5081
10°	5260	4888	4846
15°	5194	4694	4629
20°	5114	4489	4407
25°	5013	4281	4183
30°	4882	4071	3986
35°	4747	3855	3840
40°	4601	3659	3707
45°	4443	3486	3590
50°	4279	3333	3499
55°	4089	3191	3419
60°	3875	3076	3360
65°	3612	2976	3327
70°	3284	2918	3315
75°	2838	2879	3330
80°	2299	2890	3383
85°	1602	2982	3494

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4443 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	2.2
10°-20°	402.5	6.4
20°-30°	604.4	9.6
30°-40°	726.8	11.6
40°-50°	770.0	12.3
50°-60°	741.5	11.8
60°-70°	656.3	10.5
70°-80°	538.3	8.6
80°-90°	417.7	6.7
90°-100°	324.2	5.2
100°-110°	256.9	4.1
110°-120°	204.6	3.3
120°-130°	162.6	2.6
130°-140°	126.9	2.0
140°-150°	93.4	1.5
150°-160°	61.8	1.0
160°-170°	35.6	0.6
170°-180°	11.4	0.2
0°-30°	1148.1	18.3
0°-40°	1874.8	29.9
0°-60°	3386.4	54.0
0°-90°	4998.6	79.6
90°-120°	785.7	12.5
90°-150°	1168.6	18.6
90°-180°	1277.0	20.3
0°-180°	6276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1492	1492	1492	1492	1492	
5°	1491	1492	1476	1488	1495	141
15°	1424	1425	1417	1438	1445	402
25°	1296	1300	1300	1333	1342	596
35°	1116	1130	1143	1202	1227	698
45°	909	930	977	1069	1107	701
55°	686	720	815	936	985	613
65°	454	517	663	802	862	450
75°	227	341	528	677	740	243
85°	51	206	413	564	623	58
90°	1	162	365	511	569	4
95°	7	134	322	461	518	8
105°	26	108	254	378	427	27
115°	51	104	212	308	349	50
125°	74	108	185	254	285	66
135°	94	115	166	213	233	72
145°	99	114	150	183	194	62
155°	101	118	129	156	165	47
165°	119	126	122	122	138	33
175°	132	131	125	104	70	12
180°	115	115	115	115	115	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1
2.5°	1495.0	1493.5	1496.4	1499.2	1507.7	1496.4	1502.1	1486.5	1487.9	1489.3	1482.2
5°	1490.7	1486.5	1490.7	1493.5	1500.6	1492.1	1497.8	1480.8	1482.2	1485.0	1476.5
7.5°	1480.8	1476.5	1479.4	1482.2	1489.3	1480.8	1487.9	1470.8	1473.7	1475.1	1468.0
10°	1466.6	1460.9	1463.7	1468.0	1473.7	1466.6	1472.3	1456.6	1458.1	1460.9	1453.8
12.5°	1448.1	1442.4	1445.3	1448.1	1455.2	1448.1	1453.8	1438.2	1441.0	1443.9	1436.8
15°	1424.0	1418.3	1421.1	1424.0	1429.7	1425.4	1431.1	1415.5	1418.3	1424.0	1416.9
17.5°	1398.4	1389.9	1392.7	1397.0	1402.7	1399.8	1404.1	1391.3	1392.7	1398.4	1391.3
20°	1367.2	1358.7	1361.5	1365.8	1371.5	1370.0	1372.9	1361.5	1364.4	1371.5	1364.4
22.5°	1333.1	1324.6	1327.4	1333.1	1337.4	1337.4	1338.8	1330.3	1333.1	1340.2	1334.5
25°	1296.2	1287.7	1290.5	1296.2	1300.5	1300.5	1303.3	1294.8	1299.0	1306.1	1300.5
27.5°	1253.6	1249.4	1249.4	1255.0	1257.9	1260.7	1262.1	1255.0	1260.7	1267.8	1263.6
30°	1209.6	1203.9	1206.8	1213.9	1213.9	1219.5	1219.5	1213.9	1221.0	1229.5	1226.6
32.5°	1162.8	1158.5	1159.9	1168.4	1168.4	1175.5	1174.1	1171.3	1178.4	1188.3	1185.5
35°	1115.9	1111.6	1113.1	1121.6	1121.6	1130.1	1127.3	1127.3	1134.4	1145.7	1142.9
37.5°	1066.2	1063.4	1064.8	1073.3	1073.3	1081.8	1079.0	1080.4	1088.9	1101.7	1100.3
40°	1015.1	1012.3	1015.1	1022.2	1025.0	1032.1	1029.3	1032.1	1043.5	1054.9	1059.1
42.5°	962.6	961.2	964.0	971.1	973.9	981.0	979.6	983.9	995.2	1012.3	1017.9
45°	908.6	908.6	911.5	918.6	921.4	929.9	928.5	934.2	948.4	966.8	976.8
47.5°	854.7	856.1	857.5	866.0	866.0	880.2	876.0	884.5	902.9	924.2	935.6
50°	799.3	802.1	803.6	810.7	813.5	826.3	823.4	837.6	857.5	880.2	895.8
52.5°	743.9	746.8	749.6	755.3	758.1	773.7	770.9	789.4	813.5	837.6	854.7
55°	685.7	691.4	692.8	699.9	704.2	719.8	719.8	741.1	766.7	793.6	814.9
57.5°	628.9	634.6	636.0	644.6	650.2	668.7	671.5	695.7	724.1	751.0	776.6
60°	570.7	577.8	579.2	587.8	597.7	617.6	621.8	648.8	680.0	708.4	738.3
62.5°	512.5	519.6	522.5	531.0	546.6	566.5	573.6	604.8	637.5	668.7	701.3
65°	454.3	461.4	465.7	477.0	495.5	516.8	526.7	559.4	596.3	628.9	663.0
67.5°	396.1	404.6	410.3	424.5	448.6	471.3	481.3	518.2	556.5	592.0	627.5
70°	339.3	347.8	354.9	373.4	401.8	424.5	437.3	477.0	516.8	555.1	594.9
72.5°	283.9	292.5	302.4	325.1	356.4	381.9	396.1	437.3	481.3	519.6	560.8
75°	227.2	237.1	248.5	279.7	315.2	340.7	356.4	400.4	445.8	484.1	528.1
77.5°	176.0	186.0	203.0	234.3	274.0	302.4	319.4	366.3	413.1	451.5	496.9
80°	129.2	139.1	161.8	195.9	237.1	264.1	285.4	333.6	381.9	421.7	467.1
82.5°	88.0	98.0	124.9	161.8	205.9	232.8	252.7	303.8	352.1	393.3	438.7
85°	51.1	65.3	93.7	133.5	178.9	205.9	225.7	278.3	325.1	366.3	413.1
87.5°	22.7	39.8	71.0	110.7	156.2	181.7	203.0	251.3	301.0	342.2	389.0
90°	1.4	22.7	55.4	93.7	137.7	161.8	181.7	230.0	276.8	319.4	364.9
92.5°	2.8	15.6	45.4	80.9	122.1	146.2	166.1	211.5	255.6	299.6	343.6
95°	7.1	15.6	39.8	72.4	110.7	133.5	151.9	195.9	237.1	279.7	322.3
97.5°	11.4	17.0	38.3	68.1	102.2	123.5	140.6	181.7	222.9	261.2	303.8
100°	15.6	21.3	38.3	65.3	96.5	116.4	132.0	170.4	208.7	244.2	286.8
102.5°	19.9	25.6	41.2	65.3	93.7	110.7	126.4	161.8	197.3	230.0	269.7
105°	25.6	29.8	44.0	65.3	90.9	107.9	120.7	153.3	187.4	218.6	254.1
107.5°	31.2	34.1	46.9	66.7	90.9	105.1	117.8	147.7	178.9	207.3	241.4
110°	38.3	39.8	51.1	69.6	90.9	103.6	115.0	143.4	171.8	198.8	230.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	44.0	44.0	55.4	72.4	90.9	103.6	113.6	139.1	166.1	190.2	220.1
115°	51.1	51.1	59.6	75.2	92.3	103.6	113.6	137.7	161.8	183.1	211.5
117.5°	56.8	56.8	65.3	78.1	95.1	105.1	113.6	134.9	157.6	177.5	203.0
120°	62.5	62.5	68.1	80.9	96.5	106.5	113.6	133.5	153.3	173.2	195.9
122.5°	68.1	68.1	72.4	85.2	98.0	106.5	113.6	132.0	150.5	167.5	188.8
125°	73.8	73.8	76.7	88.0	100.8	107.9	115.0	132.0	149.1	163.3	184.6
127.5°	79.5	78.1	82.3	92.3	102.2	109.3	116.4	132.0	146.2	160.4	178.9
130°	83.8	82.3	88.0	95.1	105.1	110.7	116.4	130.6	144.8	157.6	173.2
132.5°	89.4	86.6	93.7	96.5	107.9	113.6	117.8	130.6	143.4	154.7	170.4
135°	93.7	90.9	98.0	100.8	109.3	115.0	119.3	130.6	142.0	153.3	166.1
137.5°	96.5	95.1	102.2	105.1	110.7	116.4	120.7	130.6	140.6	150.5	163.3
140°	98.0	96.5	102.2	107.9	110.7	116.4	119.3	129.2	139.1	147.7	159.0
142.5°	99.4	99.4	103.6	109.3	110.7	115.0	119.3	127.8	136.3	143.4	156.2
145°	99.4	99.4	103.6	110.7	112.2	113.6	116.4	124.9	132.0	139.1	150.5
147.5°	99.4	99.4	105.1	110.7	113.6	115.0	113.6	122.1	129.2	134.9	144.8
150°	99.4	99.4	105.1	110.7	115.0	116.4	115.0	119.3	124.9	130.6	139.1
152.5°	100.8	100.8	105.1	110.7	115.0	116.4	116.4	116.4	120.7	126.4	134.9
155°	100.8	102.2	105.1	113.6	116.4	117.8	117.8	117.8	116.4	122.1	129.2
157.5°	105.1	106.5	107.9	115.0	117.8	119.3	119.3	119.3	117.8	116.4	123.5
160°	109.3	110.7	112.2	117.8	120.7	122.1	122.1	122.1	119.3	117.8	117.8
162.5°	113.6	116.4	116.4	119.3	122.1	123.5	123.5	124.9	122.1	120.7	119.3
165°	119.3	120.7	120.7	122.1	124.9	126.4	124.9	126.4	124.9	123.5	122.1
167.5°	123.5	124.9	124.9	126.4	126.4	127.8	127.8	127.8	126.4	124.9	124.9
170°	127.8	129.2	129.2	129.2	129.2	129.2	129.2	129.2	127.8	124.9	124.9
172.5°	130.6	132.0	132.0	130.6	130.6	130.6	130.6	129.2	126.4	124.9	124.9
175°	132.0	133.5	133.5	132.0	130.6	130.6	130.6	129.2	126.4	124.9	124.9
177.5°	133.5	134.9	133.5	133.5	130.6	130.6	130.6	130.6	127.8	126.4	124.9
180°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1	1492.1
2.5°	1490.7	1473.7	1485.0	1486.5	1492.1	1486.5	1490.7	1486.5	1497.8	1493.5
5°	1485.0	1469.4	1479.4	1480.8	1487.9	1480.8	1487.9	1485.0	1499.2	1495.0
7.5°	1475.1	1462.3	1470.8	1472.3	1480.8	1473.7	1480.8	1477.9	1495.0	1489.3
10°	1460.9	1451.0	1459.5	1460.9	1469.4	1462.3	1468.0	1465.2	1483.6	1475.1
12.5°	1445.3	1436.8	1443.9	1445.3	1455.2	1448.1	1455.2	1452.4	1470.8	1462.3
15°	1422.6	1418.3	1425.4	1428.2	1438.2	1432.5	1439.6	1436.8	1456.6	1445.3
17.5°	1399.8	1397.0	1404.1	1406.9	1418.3	1411.2	1418.3	1415.5	1435.3	1424.0
20°	1371.5	1370.0	1377.1	1381.4	1391.3	1384.2	1392.7	1389.9	1411.2	1399.8
22.5°	1341.6	1341.6	1347.3	1351.6	1361.5	1355.8	1364.4	1362.9	1384.2	1372.9
25°	1309.0	1310.4	1316.1	1321.8	1333.1	1328.9	1336.0	1336.0	1355.8	1341.6
27.5°	1272.1	1279.2	1283.4	1290.5	1300.5	1296.2	1303.3	1304.7	1324.6	1310.4
30°	1233.7	1243.7	1247.9	1256.5	1265.0	1265.0	1272.1	1274.9	1294.8	1280.6
32.5°	1194.0	1205.3	1211.0	1222.4	1233.7	1233.7	1243.7	1247.9	1267.8	1255.0
35°	1154.2	1169.9	1177.0	1191.1	1202.5	1203.9	1213.9	1219.5	1239.4	1226.6
37.5°	1115.9	1135.8	1142.9	1159.9	1169.9	1172.7	1184.0	1191.1	1209.6	1198.2
40°	1076.2	1100.3	1108.8	1127.3	1135.8	1141.5	1152.8	1161.3	1178.4	1168.4
42.5°	1037.8	1064.8	1073.3	1093.2	1103.1	1108.8	1120.2	1131.5	1148.6	1138.6
45°	999.5	1029.3	1039.2	1060.5	1069.1	1077.6	1090.3	1100.3	1115.9	1107.4
47.5°	962.6	993.8	1003.7	1026.5	1036.4	1046.3	1057.7	1071.9	1086.1	1077.6
50°	924.2	956.9	969.7	993.8	1002.3	1013.7	1027.9	1040.7	1054.9	1047.8
52.5°	887.3	921.4	934.2	959.7	969.7	981.0	995.2	1009.4	1022.2	1016.5
55°	847.6	884.5	898.7	925.7	935.6	947.0	962.6	978.2	989.5	985.3
57.5°	810.7	849.0	863.2	893.0	901.5	915.7	931.3	948.4	958.3	954.1
60°	773.7	812.1	829.1	858.9	868.9	883.1	898.7	917.1	925.7	922.8
62.5°	736.8	776.6	795.0	826.3	834.8	850.4	868.9	884.5	893.0	891.6
65°	702.8	741.1	762.4	793.6	802.1	819.2	836.2	853.3	861.8	861.8
67.5°	667.3	708.4	729.7	762.4	769.5	787.9	806.4	823.4	830.5	830.5
70°	634.6	674.4	698.5	731.2	738.3	755.3	775.2	793.6	799.3	800.7
72.5°	602.0	641.7	667.3	701.3	708.4	725.5	743.9	763.8	768.1	769.5
75°	570.7	610.5	636.0	670.1	677.2	694.2	714.1	732.6	738.3	739.7
77.5°	539.5	579.2	607.6	640.3	647.4	664.4	684.3	702.8	707.0	709.9
80°	511.1	549.4	576.4	611.9	619.0	636.0	654.5	672.9	675.8	680.0
82.5°	482.7	521.0	549.4	583.5	590.6	607.6	626.1	644.6	647.4	653.1
85°	455.7	494.1	522.5	555.1	563.6	579.2	599.1	616.2	619.0	623.3
87.5°	431.6	467.1	496.9	528.1	536.7	552.3	572.1	589.2	590.6	596.3
90°	406.0	441.5	471.3	502.6	511.1	525.3	545.2	562.2	565.0	569.3
92.5°	384.7	417.4	448.6	478.4	485.5	501.2	519.6	536.7	539.5	543.8
95°	362.0	394.7	425.9	454.3	461.4	477.0	494.1	511.1	513.9	518.2
97.5°	342.2	373.4	403.2	431.6	438.7	452.9	471.3	487.0	489.8	495.5
100°	323.7	353.5	384.7	410.3	417.4	431.6	448.6	464.2	467.1	472.8
102.5°	306.7	335.1	364.9	389.0	397.5	410.3	427.3	441.5	444.4	448.6
105°	291.0	318.0	346.4	369.1	377.6	390.4	406.0	420.2	423.1	427.3
107.5°	275.4	301.0	328.0	350.7	357.8	369.1	384.7	398.9	401.8	407.5
110°	261.2	286.8	312.3	333.6	342.2	350.7	366.3	379.1	381.9	386.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	248.5	271.2	296.7	316.6	323.7	333.6	346.4	359.2	362.0	367.7
115°	237.1	258.4	283.9	302.4	308.1	316.6	330.8	342.2	345.0	349.3
117.5°	227.2	245.6	268.3	286.8	293.9	301.0	313.8	323.7	328.0	330.8
120°	218.6	235.7	255.6	272.6	281.1	286.8	298.1	308.1	312.3	315.2
122.5°	210.1	225.7	244.2	259.8	266.9	271.2	283.9	292.5	296.7	301.0
125°	203.0	217.2	234.3	247.0	254.1	258.4	269.7	278.3	282.5	285.4
127.5°	195.9	208.7	225.7	235.7	242.8	245.6	255.6	264.1	268.3	269.7
130°	188.8	201.6	215.8	225.7	231.4	235.7	244.2	249.9	254.1	255.6
132.5°	183.1	194.5	207.3	217.2	222.9	224.3	232.8	238.5	242.8	244.2
135°	178.9	187.4	200.2	208.7	213.0	215.8	222.9	227.2	231.4	232.8
137.5°	173.2	181.7	193.1	198.8	204.4	205.9	213.0	217.2	221.5	222.9
140°	168.9	176.0	186.0	191.7	197.3	197.3	203.0	207.3	211.5	211.5
142.5°	164.7	171.8	180.3	186.0	190.2	190.2	195.9	198.8	203.0	203.0
145°	159.0	166.1	174.6	178.9	183.1	183.1	187.4	190.2	194.5	194.5
147.5°	153.3	160.4	168.9	171.8	176.0	176.0	180.3	183.1	186.0	186.0
150°	146.2	151.9	161.8	166.1	170.4	170.4	173.2	176.0	178.9	178.9
152.5°	140.6	144.8	153.3	159.0	163.3	163.3	166.1	168.9	171.8	171.8
155°	133.5	137.7	144.8	151.9	156.2	157.6	160.4	161.8	164.7	164.7
157.5°	127.8	132.0	137.7	143.4	147.7	150.5	154.7	156.2	157.6	157.6
160°	120.7	123.5	129.2	134.9	139.1	142.0	149.1	150.5	151.9	151.9
162.5°	117.8	117.8	120.7	124.9	129.2	130.6	137.7	143.4	146.2	144.8
165°	119.3	117.8	117.8	119.3	122.1	123.5	127.8	136.3	139.1	137.7
167.5°	122.1	119.3	117.8	117.8	120.7	120.7	124.9	132.0	140.6	137.7
170°	122.1	117.8	115.0	115.0	116.4	116.4	119.3	123.5	132.0	133.5
172.5°	120.7	117.8	113.6	107.9	109.3	107.9	106.5	109.3	110.7	124.9
175°	122.1	117.8	113.6	106.5	103.6	99.4	92.3	86.6	85.2	69.6
177.5°	120.7	116.4	110.7	105.1	102.2	96.5	88.0	78.1	72.4	63.9
180°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0



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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	12.75	14.06	13.39	14.72	15.49	16.37	17.68	17.01	18.35	19.11
	3H	14.09	15.29	14.75	15.97	16.77	19.32	20.52	19.98	21.20	22.00
	4H	14.50	15.64	15.17	16.32	17.14	20.83	21.97	21.50	22.66	23.47
	6H	14.71	15.77	15.40	16.47	17.30	22.44	23.50	23.13	24.20	25.03
	8H	14.74	15.76	15.44	16.48	17.31	23.29	24.31	23.99	25.03	25.86
	12H	14.75	15.72	15.45	16.44	17.30	24.24	25.21	24.94	25.92	26.79
4H	2H	13.90	15.04	14.58	15.73	16.54	16.68	17.82	17.36	18.51	19.32
	3H	15.54	16.52	16.23	17.24	18.08	19.87	20.85	20.56	21.57	22.40
	4H	16.11	17.01	16.82	17.74	18.60	21.55	22.45	22.25	23.17	24.04
	6H	16.45	17.25	17.17	18.00	18.87	23.37	24.17	24.09	24.92	25.78
	8H	16.53	17.28	17.25	18.02	18.91	24.34	25.09	25.07	25.84	26.72
	12H	16.55	17.24	17.30	18.01	18.90	25.43	26.11	26.18	26.88	27.77
8H	4H	17.22	17.97	17.94	18.72	19.60	21.72	22.47	22.44	23.22	24.10
	6H	17.83	18.47	18.58	19.26	20.14	23.71	24.36	24.47	25.14	26.03
	8H	18.02	18.60	18.79	19.39	20.29	24.83	25.41	25.60	26.20	27.10
	12H	18.14	18.65	18.90	19.43	20.39	26.11	26.63	26.88	27.41	28.36
12H	4H	17.58	18.27	18.33	19.04	19.93	21.71	22.40	22.46	23.17	24.06
	6H	18.36	18.94	19.13	19.73	20.63	23.74	24.32	24.51	25.11	26.01
	8H	18.69	19.21	19.46	19.99	20.94	24.92	25.44	25.69	26.22	27.18