

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: P893675

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893675
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-5SL-RNDU-UNV-L840
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 4
Light Source: -
Ballast/Driver: -

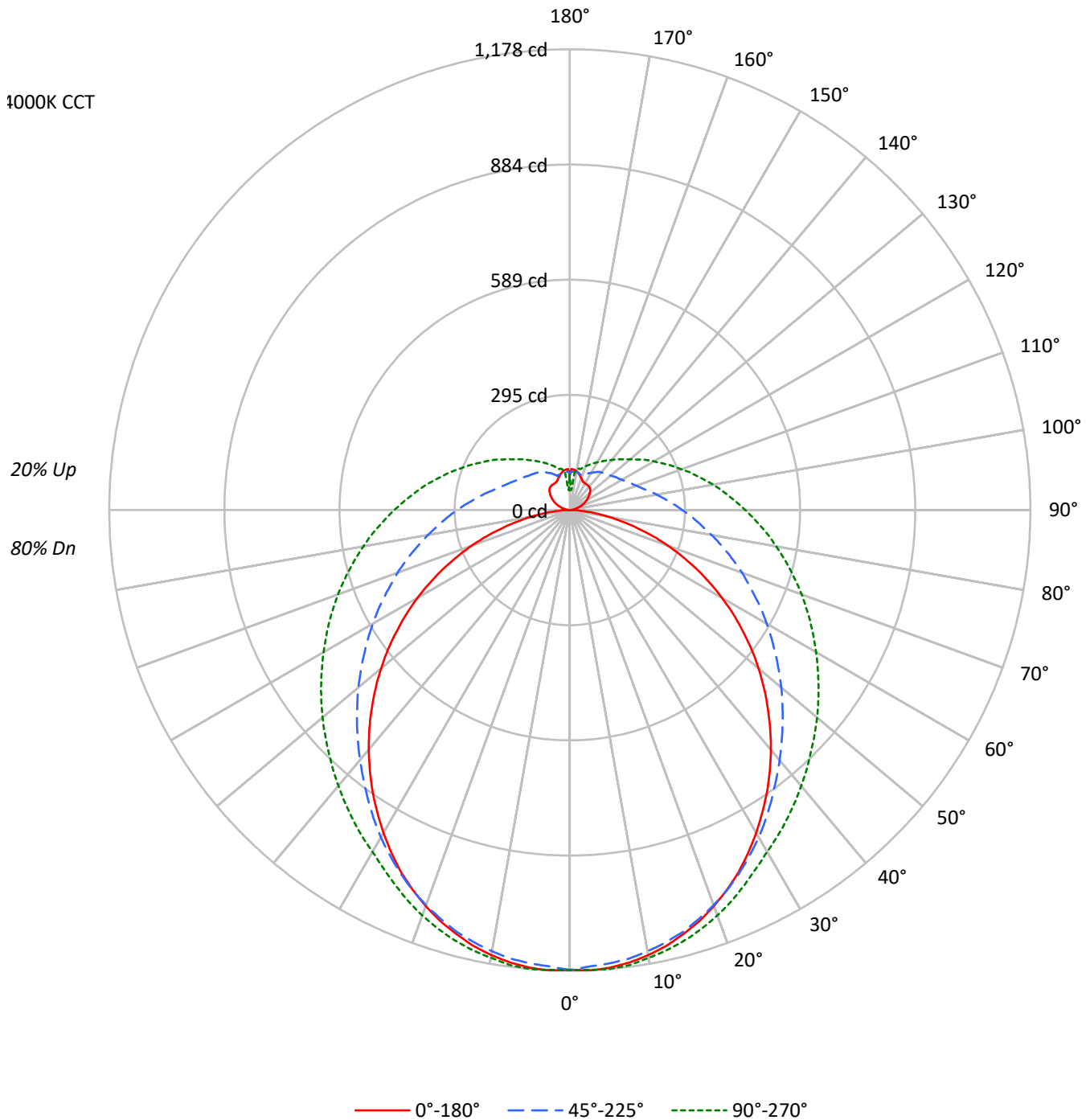
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4946.0 lumens
Efficiency: N/A
Efficacy: 141.3 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): 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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CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L840

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°	8367	8367	8367
5°	8352	8013	8030
10°	8274	7701	7659
15°	8152	7385	7316
20°	8006	7052	6964
25°	7828	6717	6611
30°	7602	6379	6299
35°	7368	6031	6068
40°	7118	5717	5859
45°	6847	5438	5673
50°	6563	5190	5529
55°	6237	4960	5404
60°	5868	4771	5310
65°	5419	4605	5256
70°	4863	4502	5239
75°	4116	4428	5263
80°	3216	4426	5346
85°	2058	4542	5521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6847 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	2.2
10°-20°	317.2	6.4
20°-30°	476.3	9.6
30°-40°	572.7	11.6
40°-50°	606.8	12.3
50°-60°	584.4	11.8
60°-70°	517.2	10.5
70°-80°	424.2	8.6
80°-90°	329.2	6.7
90°-100°	255.5	5.2
100°-110°	202.4	4.1
110°-120°	161.3	3.3
120°-130°	128.1	2.6
130°-140°	100.0	2.0
140°-150°	73.6	1.5
150°-160°	48.7	1.0
160°-170°	28.0	0.6
170°-180°	9.0	0.2
0°-30°	904.8	18.3
0°-40°	1477.5	29.9
0°-60°	2668.7	54.0
0°-90°	3939.3	79.6
90°-120°	619.2	12.5
90°-150°	921.0	18.6
90°-180°	1007.0	20.4
0°-180°	4946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1175	1176	1164	1173	1178	112
15°	1122	1123	1117	1133	1139	317
25°	1022	1025	1025	1051	1057	470
35°	879	891	901	948	967	550
45°	716	733	770	842	873	553
55°	540	567	642	737	776	483
65°	358	407	522	632	679	354
75°	179	268	416	534	583	191
85°	40	162	326	444	491	46
90°	1	128	288	403	449	3
95°	6	105	254	364	408	6
105°	20	85	200	298	337	22
115°	40	82	167	243	275	39
125°	58	85	146	200	225	52
135°	74	91	131	168	184	56
145°	78	90	119	144	153	49
155°	79	93	102	123	130	37
165°	94	100	96	96	108	26
175°	104	103	98	82	55	10
180°	91	91	91	91	91	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9
2.5°	1178.2	1177.0	1179.3	1181.5	1188.2	1179.3	1183.8	1171.4	1172.6	1173.7	1168.1
5°	1174.8	1171.4	1174.8	1177.0	1182.6	1175.9	1180.4	1167.0	1168.1	1170.3	1163.6
7.5°	1167.0	1163.6	1165.8	1168.1	1173.7	1167.0	1172.6	1159.1	1161.4	1162.5	1156.9
10°	1155.8	1151.3	1153.5	1156.9	1161.4	1155.8	1160.3	1147.9	1149.1	1151.3	1145.7
12.5°	1141.2	1136.8	1139.0	1141.2	1146.8	1141.2	1145.7	1133.4	1135.6	1137.9	1132.3
15°	1122.2	1117.7	1120.0	1122.2	1126.7	1123.3	1127.8	1115.5	1117.7	1122.2	1116.6
17.5°	1102.1	1095.4	1097.6	1101.0	1105.4	1103.2	1106.6	1096.5	1097.6	1102.1	1096.5
20°	1077.5	1070.7	1073.0	1076.3	1080.8	1079.7	1081.9	1073.0	1075.2	1080.8	1075.2
22.5°	1050.6	1043.9	1046.1	1050.6	1054.0	1054.0	1055.1	1048.4	1050.6	1056.2	1051.7
25°	1021.5	1014.8	1017.0	1021.5	1024.9	1024.9	1027.1	1020.4	1023.8	1029.3	1024.9
27.5°	988.0	984.6	984.6	989.1	991.3	993.5	994.7	989.1	993.5	999.1	995.8
30°	953.3	948.8	951.0	956.6	956.6	961.1	961.1	956.6	962.2	968.9	966.7
32.5°	916.3	913.0	914.1	920.8	920.8	926.4	925.3	923.1	928.7	936.5	934.2
35°	879.4	876.1	877.2	883.9	883.9	890.6	888.4	888.4	894.0	902.9	900.7
37.5°	840.3	838.0	839.1	845.9	845.9	852.6	850.3	851.5	858.2	868.2	867.1
40°	800.0	797.7	800.0	805.6	807.8	813.4	811.2	813.4	822.4	831.3	834.7
42.5°	758.6	757.5	759.7	765.3	767.5	773.1	772.0	775.4	784.3	797.7	802.2
45°	716.1	716.1	718.3	723.9	726.1	732.9	731.7	736.2	747.4	761.9	769.8
47.5°	673.6	674.7	675.8	682.5	682.5	693.7	690.3	697.0	711.6	728.4	737.3
50°	629.9	632.2	633.3	638.9	641.1	651.2	648.9	660.1	675.8	693.7	706.0
52.5°	586.3	588.5	590.8	595.2	597.5	609.8	607.5	622.1	641.1	660.1	673.6
55°	540.4	544.9	546.0	551.6	555.0	567.3	567.3	584.0	604.2	625.4	642.2
57.5°	495.7	500.1	501.2	508.0	512.4	527.0	529.2	548.2	570.6	591.9	612.0
60°	449.8	455.4	456.5	463.2	471.0	486.7	490.1	511.3	535.9	558.3	581.8
62.5°	403.9	409.5	411.7	418.5	430.8	446.4	452.0	476.6	502.4	527.0	552.7
65°	358.0	363.6	367.0	375.9	390.5	407.3	415.1	440.8	469.9	495.7	522.5
67.5°	312.2	318.9	323.3	334.5	353.6	371.5	379.3	408.4	438.6	466.6	494.5
70°	267.4	274.1	279.7	294.3	316.6	334.5	344.6	375.9	407.3	437.5	468.8
72.5°	223.8	230.5	238.3	256.2	280.8	301.0	312.2	344.6	379.3	409.5	441.9
75°	179.0	186.8	195.8	220.4	248.4	268.5	280.8	315.5	351.3	381.5	416.2
77.5°	138.7	146.6	160.0	184.6	215.9	238.3	251.7	288.7	325.6	355.8	391.6
80°	101.8	109.6	127.5	154.4	186.8	208.1	224.9	262.9	301.0	332.3	368.1
82.5°	69.4	77.2	98.5	127.5	162.2	183.5	199.2	239.4	277.5	309.9	345.7
85°	40.3	51.5	73.8	105.2	141.0	162.2	177.9	219.3	256.2	288.7	325.6
87.5°	17.9	31.3	55.9	87.3	123.1	143.2	160.0	198.0	237.2	269.6	306.6
90°	1.1	17.9	43.6	73.8	108.5	127.5	143.2	181.3	218.2	251.7	287.5
92.5°	2.2	12.3	35.8	63.8	96.2	115.2	130.9	166.7	201.4	236.1	270.8
95°	5.6	12.3	31.3	57.1	87.3	105.2	119.7	154.4	186.8	220.4	254.0
97.5°	9.0	13.4	30.2	53.7	80.6	97.3	110.8	143.2	175.7	205.9	239.4
100°	12.3	16.8	30.2	51.5	76.1	91.7	104.1	134.3	164.5	192.4	226.0
102.5°	15.7	20.1	32.4	51.5	73.8	87.3	99.6	127.5	155.5	181.3	212.6
105°	20.1	23.5	34.7	51.5	71.6	85.0	95.1	120.8	147.7	172.3	200.3
107.5°	24.6	26.9	36.9	52.6	71.6	82.8	92.9	116.4	141.0	163.4	190.2
110°	30.2	31.3	40.3	54.8	71.6	81.7	90.6	113.0	135.4	156.6	181.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	34.7	34.7	43.6	57.1	71.6	81.7	89.5	109.6	130.9	149.9	173.4
115°	40.3	40.3	47.0	59.3	72.7	81.7	89.5	108.5	127.5	144.3	166.7
117.5°	44.8	44.8	51.5	61.5	75.0	82.8	89.5	106.3	124.2	139.9	160.0
120°	49.2	49.2	53.7	63.8	76.1	83.9	89.5	105.2	120.8	136.5	154.4
122.5°	53.7	53.7	57.1	67.1	77.2	83.9	89.5	104.1	118.6	132.0	148.8
125°	58.2	58.2	60.4	69.4	79.4	85.0	90.6	104.1	117.5	128.7	145.5
127.5°	62.7	61.5	64.9	72.7	80.6	86.2	91.7	104.1	115.2	126.4	141.0
130°	66.0	64.9	69.4	75.0	82.8	87.3	91.7	102.9	114.1	124.2	136.5
132.5°	70.5	68.3	73.8	76.1	85.0	89.5	92.9	102.9	113.0	122.0	134.3
135°	73.8	71.6	77.2	79.4	86.2	90.6	94.0	102.9	111.9	120.8	130.9
137.5°	76.1	75.0	80.6	82.8	87.3	91.7	95.1	102.9	110.8	118.6	128.7
140°	77.2	76.1	80.6	85.0	87.3	91.7	94.0	101.8	109.6	116.4	125.3
142.5°	78.3	78.3	81.7	86.2	87.3	90.6	94.0	100.7	107.4	113.0	123.1
145°	78.3	78.3	81.7	87.3	88.4	89.5	91.7	98.5	104.1	109.6	118.6
147.5°	78.3	78.3	82.8	87.3	89.5	90.6	89.5	96.2	101.8	106.3	114.1
150°	78.3	78.3	82.8	87.3	90.6	91.7	90.6	94.0	98.5	102.9	109.6
152.5°	79.4	79.4	82.8	87.3	90.6	91.7	91.7	91.7	95.1	99.6	106.3
155°	79.4	80.6	82.8	89.5	91.7	92.9	92.9	92.9	91.7	96.2	101.8
157.5°	82.8	83.9	85.0	90.6	92.9	94.0	94.0	94.0	92.9	91.7	97.3
160°	86.2	87.3	88.4	92.9	95.1	96.2	96.2	96.2	94.0	92.9	92.9
162.5°	89.5	91.7	91.7	94.0	96.2	97.3	97.3	98.5	96.2	95.1	94.0
165°	94.0	95.1	95.1	96.2	98.5	99.6	98.5	99.6	98.5	97.3	96.2
167.5°	97.3	98.5	98.5	99.6	99.6	100.7	100.7	100.7	99.6	98.5	98.5
170°	100.7	101.8	101.8	101.8	101.8	101.8	101.8	101.8	100.7	98.5	98.5
172.5°	102.9	104.1	104.1	102.9	102.9	102.9	102.9	101.8	99.6	98.5	98.5
175°	104.1	105.2	105.2	104.1	102.9	102.9	102.9	101.8	99.6	98.5	98.5
177.5°	105.2	106.3	105.2	105.2	102.9	102.9	102.9	102.9	100.7	99.6	98.5
180°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9	1175.9
2.5°	1174.8	1161.4	1170.3	1171.4	1175.9	1171.4	1174.8	1171.4	1180.4	1177.0
5°	1170.3	1158.0	1165.8	1167.0	1172.6	1167.0	1172.6	1170.3	1181.5	1178.2
7.5°	1162.5	1152.4	1159.1	1160.3	1167.0	1161.4	1167.0	1164.7	1178.2	1173.7
10°	1151.3	1143.5	1150.2	1151.3	1158.0	1152.4	1156.9	1154.7	1169.2	1162.5
12.5°	1139.0	1132.3	1137.9	1139.0	1146.8	1141.2	1146.8	1144.6	1159.1	1152.4
15°	1121.1	1117.7	1123.3	1125.6	1133.4	1128.9	1134.5	1132.3	1147.9	1139.0
17.5°	1103.2	1101.0	1106.6	1108.8	1117.7	1112.1	1117.7	1115.5	1131.2	1122.2
20°	1080.8	1079.7	1085.3	1088.6	1096.5	1090.9	1097.6	1095.4	1112.1	1103.2
22.5°	1057.3	1057.3	1061.8	1065.2	1073.0	1068.5	1075.2	1074.1	1090.9	1081.9
25°	1031.6	1032.7	1037.2	1041.7	1050.6	1047.3	1052.8	1052.8	1068.5	1057.3
27.5°	1002.5	1008.1	1011.4	1017.0	1024.9	1021.5	1027.1	1028.2	1043.9	1032.7
30°	972.3	980.1	983.5	990.2	996.9	996.9	1002.5	1004.7	1020.4	1009.2
32.5°	941.0	949.9	954.4	963.3	972.3	972.3	980.1	983.5	999.1	989.1
35°	909.6	921.9	927.5	938.7	947.7	948.8	956.6	961.1	976.8	966.7
37.5°	879.4	895.1	900.7	914.1	921.9	924.2	933.1	938.7	953.3	944.3
40°	848.1	867.1	873.8	888.4	895.1	899.6	908.5	915.2	928.7	920.8
42.5°	817.9	839.1	845.9	861.5	869.4	873.8	882.8	891.7	905.2	897.3
45°	787.7	811.2	819.0	835.8	842.5	849.2	859.3	867.1	879.4	872.7
47.5°	758.6	783.2	791.0	808.9	816.8	824.6	833.5	844.7	855.9	849.2
50°	728.4	754.1	764.2	783.2	789.9	798.9	810.1	820.1	831.3	825.7
52.5°	699.3	726.1	736.2	756.3	764.2	773.1	784.3	795.5	805.6	801.1
55°	668.0	697.0	708.2	729.5	737.3	746.3	758.6	770.9	779.8	776.5
57.5°	638.9	669.1	680.3	703.8	710.5	721.7	734.0	747.4	755.2	751.9
60°	609.8	640.0	653.4	676.9	684.7	695.9	708.2	722.8	729.5	727.3
62.5°	580.7	612.0	626.6	651.2	657.9	670.2	684.7	697.0	703.8	702.6
65°	553.8	584.0	600.8	625.4	632.2	645.6	659.0	672.4	679.1	679.1
67.5°	525.9	558.3	575.1	600.8	606.4	621.0	635.5	648.9	654.5	654.5
70°	500.1	531.5	550.5	576.2	581.8	595.2	610.9	625.4	629.9	631.0
72.5°	474.4	505.7	525.9	552.7	558.3	571.7	586.3	601.9	605.3	606.4
75°	449.8	481.1	501.2	528.1	533.7	547.1	562.8	577.3	581.8	582.9
77.5°	425.2	456.5	478.9	504.6	510.2	523.6	539.3	553.8	557.2	559.4
80°	402.8	433.0	454.3	482.2	487.8	501.2	515.8	530.3	532.6	535.9
82.5°	380.4	410.6	433.0	459.9	465.4	478.9	493.4	508.0	510.2	514.7
85°	359.2	389.4	411.7	437.5	444.2	456.5	472.2	485.6	487.8	491.2
87.5°	340.1	368.1	391.6	416.2	422.9	435.2	450.9	464.3	465.4	469.9
90°	320.0	348.0	371.5	396.1	402.8	414.0	429.6	443.1	445.3	448.7
92.5°	303.2	328.9	353.6	377.1	382.6	395.0	409.5	422.9	425.2	428.5
95°	285.3	311.0	335.7	358.0	363.6	375.9	389.4	402.8	405.0	408.4
97.5°	269.6	294.3	317.8	340.1	345.7	356.9	371.5	383.8	386.0	390.5
100°	255.1	278.6	303.2	323.3	328.9	340.1	353.6	365.9	368.1	372.6
102.5°	241.7	264.1	287.5	306.6	313.3	323.3	336.8	348.0	350.2	353.6
105°	229.4	250.6	273.0	290.9	297.6	307.7	320.0	331.2	333.4	336.8
107.5°	217.1	237.2	258.5	276.4	282.0	290.9	303.2	314.4	316.6	321.1
110°	205.9	226.0	246.1	262.9	269.6	276.4	288.7	298.7	301.0	304.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	195.8	213.7	233.8	249.5	255.1	262.9	273.0	283.1	285.3	289.8
115°	186.8	203.6	223.8	238.3	242.8	249.5	260.7	269.6	271.9	275.2
117.5°	179.0	193.6	211.5	226.0	231.6	237.2	247.3	255.1	258.5	260.7
120°	172.3	185.7	201.4	214.8	221.5	226.0	235.0	242.8	246.1	248.4
122.5°	165.6	177.9	192.4	204.8	210.3	213.7	223.8	230.5	233.8	237.2
125°	160.0	171.2	184.6	194.7	200.3	203.6	212.6	219.3	222.7	224.9
127.5°	154.4	164.5	177.9	185.7	191.3	193.6	201.4	208.1	211.5	212.6
130°	148.8	158.9	170.1	177.9	182.4	185.7	192.4	196.9	200.3	201.4
132.5°	144.3	153.3	163.4	171.2	175.7	176.8	183.5	188.0	191.3	192.4
135°	141.0	147.7	157.8	164.5	167.8	170.1	175.7	179.0	182.4	183.5
137.5°	136.5	143.2	152.2	156.6	161.1	162.2	167.8	171.2	174.5	175.7
140°	133.1	138.7	146.6	151.0	155.5	155.5	160.0	163.4	166.7	166.7
142.5°	129.8	135.4	142.1	146.6	149.9	149.9	154.4	156.6	160.0	160.0
145°	125.3	130.9	137.6	141.0	144.3	144.3	147.7	149.9	153.3	153.3
147.5°	120.8	126.4	133.1	135.4	138.7	138.7	142.1	144.3	146.6	146.6
150°	115.2	119.7	127.5	130.9	134.3	134.3	136.5	138.7	141.0	141.0
152.5°	110.8	114.1	120.8	125.3	128.7	128.7	130.9	133.1	135.4	135.4
155°	105.2	108.5	114.1	119.7	123.1	124.2	126.4	127.5	129.8	129.8
157.5°	100.7	104.1	108.5	113.0	116.4	118.6	122.0	123.1	124.2	124.2
160°	95.1	97.3	101.8	106.3	109.6	111.9	117.5	118.6	119.7	119.7
162.5°	92.9	92.9	95.1	98.5	101.8	102.9	108.5	113.0	115.2	114.1
165°	94.0	92.9	92.9	94.0	96.2	97.3	100.7	107.4	109.6	108.5
167.5°	96.2	94.0	92.9	92.9	95.1	95.1	98.5	104.1	110.8	108.5
170°	96.2	92.9	90.6	90.6	91.7	91.7	94.0	97.3	104.1	105.2
172.5°	95.1	92.9	89.5	85.0	86.2	85.0	83.9	86.2	87.3	98.5
175°	96.2	92.9	89.5	83.9	81.7	78.3	72.7	68.3	67.1	54.8
177.5°	95.1	91.7	87.3	82.8	80.6	76.1	69.4	61.5	57.1	50.3
180°	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6



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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	14.31	15.62	14.95	16.29	17.06	17.86	19.17	18.50	19.83	20.60
	3H	15.66	16.86	16.31	17.53	18.33	20.77	21.97	21.43	22.65	23.45
	4H	16.06	17.20	16.74	17.89	18.70	22.25	23.39	22.92	24.08	24.89
	6H	16.28	17.34	16.97	18.04	18.87	23.81	24.87	24.49	25.57	26.40
	8H	16.31	17.33	17.01	18.05	18.88	24.62	25.63	25.31	26.35	27.19
	12H	16.32	17.29	17.02	18.01	18.87	25.50	26.47	26.20	27.18	28.05
4H	2H	15.45	16.59	16.13	17.28	18.09	18.18	19.32	18.85	20.00	20.82
	3H	17.09	18.07	17.78	18.79	19.63	21.33	22.30	22.01	23.03	23.86
	4H	17.66	18.56	18.37	19.29	20.15	22.98	23.88	23.68	24.60	25.46
	6H	18.01	18.80	18.73	19.55	20.42	24.75	25.54	25.47	26.29	27.16
	8H	18.08	18.83	18.80	19.58	20.46	25.68	26.43	26.41	27.18	28.06
	12H	18.11	18.79	18.85	19.56	20.45	26.70	27.39	27.45	28.16	29.05
8H	4H	18.75	19.50	19.48	20.25	21.13	23.15	23.90	23.88	24.65	25.53
	6H	19.36	20.00	20.11	20.79	21.67	25.10	25.74	25.86	26.53	27.41
	8H	19.56	20.14	20.32	20.92	21.82	26.18	26.76	26.95	27.55	28.45
	12H	19.67	20.19	20.44	20.97	21.92	27.40	27.92	28.17	28.70	29.65
12H	4H	19.10	19.79	19.85	20.56	21.45	23.15	23.83	23.89	24.60	25.49
	6H	19.88	20.46	20.65	21.25	22.15	25.13	25.71	25.90	26.50	27.40
	8H	20.21	20.73	20.98	21.51	22.46	26.28	26.80	27.05	27.58	28.53