

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: P894324

Luminaire Tested: 4MB-SC3-RNDU-UNV-CC93-HI-3500K

Issue Date: 11/11/2024

**Test Information**

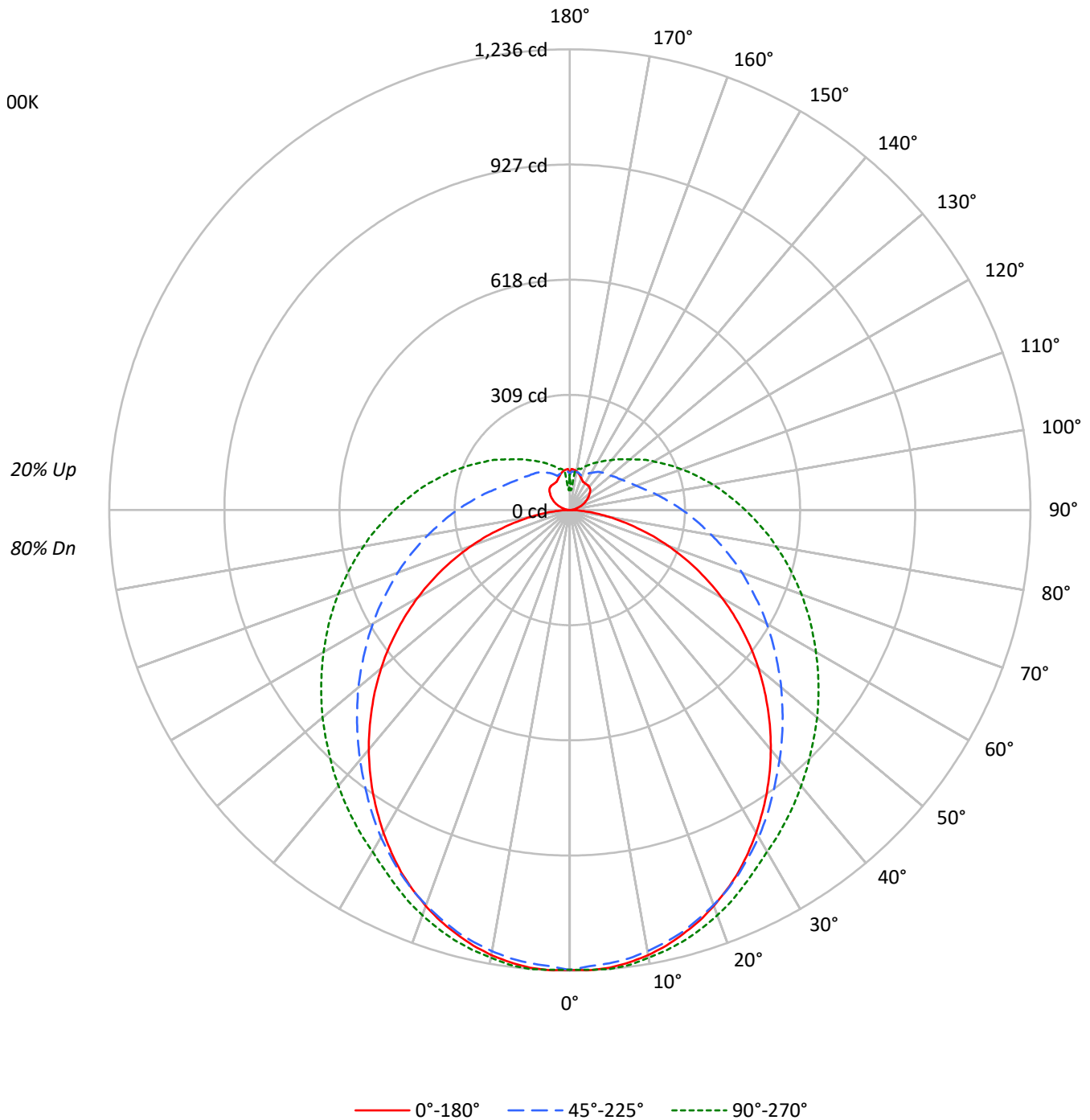
Test Method: LM-79-2019  
Report Number: P894324  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-RNDU-UNV-CC93-HI-3500K  
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 35  
CCT, HI lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5188.0 lumens  
Efficiency: N/A  
Efficacy: 102.3 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): 50.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.39961257980444  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC93-HI-3500K

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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°	8776	8776	8776
5°	8761	8405	8423
10°	8678	8078	8034
15°	8551	7747	7674
20°	8397	7397	7305
25°	8211	7045	6935
30°	7974	6691	6607
35°	7729	6325	6365
40°	7466	5996	6146
45°	7182	5703	5950
50°	6884	5443	5800
55°	6542	5202	5668
60°	6155	5005	5569
65°	5685	4830	5514
70°	5101	4722	5496
75°	4319	4645	5520
80°	3374	4643	5608
85°	2155	4764	5791

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7182 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.7	2.2
10°-20°	332.8	6.4
20°-30°	499.6	9.6
30°-40°	600.8	11.6
40°-50°	636.5	12.3
50°-60°	613.0	11.8
60°-70°	542.5	10.5
70°-80°	445.0	8.6
80°-90°	345.3	6.7
90°-100°	268.0	5.2
100°-110°	212.3	4.1
110°-120°	169.2	3.3
120°-130°	134.4	2.6
130°-140°	104.9	2.0
140°-150°	77.2	1.5
150°-160°	51.1	1.0
160°-170°	29.4	0.6
170°-180°	9.4	0.2
0°-30°	949.1	18.3
0°-40°	1549.8	29.9
0°-60°	2799.3	54.0
0°-90°	4132.1	79.6
90°-120°	649.5	12.5
90°-150°	966.0	18.6
90°-180°	1056.0	20.4
0°-180°	5188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1234	1234	1234	1234	1234	
5°	1232	1234	1220	1230	1236	117
15°	1177	1178	1171	1189	1195	332
25°	1072	1075	1075	1102	1109	493
35°	922	934	945	994	1014	577
45°	751	769	807	884	915	580
55°	567	595	674	773	814	507
65°	376	427	548	663	712	372
75°	188	282	437	560	611	201
85°	42	170	342	466	515	48
90°	1	134	302	422	471	3
95°	6	110	266	381	428	6
105°	21	89	210	312	353	23
115°	42	86	175	255	289	41
125°	61	89	153	210	236	54
135°	78	95	137	176	192	59
145°	82	94	124	151	161	52
155°	83	97	107	129	136	39
165°	99	104	101	101	114	28
175°	109	108	103	86	58	10
180°	95	95	95	95	95	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5
2.5°	1235.8	1234.6	1237.0	1239.3	1246.4	1237.0	1241.7	1228.8	1229.9	1231.1	1225.2
5°	1232.3	1228.8	1232.3	1234.6	1240.5	1233.5	1238.1	1224.1	1225.2	1227.6	1220.5
7.5°	1224.1	1220.5	1222.9	1225.2	1231.1	1224.1	1229.9	1215.9	1218.2	1219.4	1213.5
10°	1212.3	1207.6	1210.0	1213.5	1218.2	1212.3	1217.0	1204.1	1205.3	1207.6	1201.8
12.5°	1197.1	1192.4	1194.7	1197.1	1202.9	1197.1	1201.8	1188.9	1191.2	1193.6	1187.7
15°	1177.1	1172.4	1174.8	1177.1	1181.8	1178.3	1183.0	1170.1	1172.4	1177.1	1171.3
17.5°	1156.0	1149.0	1151.3	1154.8	1159.5	1157.2	1160.7	1150.1	1151.3	1156.0	1150.1
20°	1130.2	1123.1	1125.5	1129.0	1133.7	1132.5	1134.9	1125.5	1127.8	1133.7	1127.8
22.5°	1102.0	1095.0	1097.3	1102.0	1105.5	1105.5	1106.7	1099.7	1102.0	1107.9	1103.2
25°	1071.5	1064.5	1066.8	1071.5	1075.0	1075.0	1077.4	1070.3	1073.8	1079.7	1075.0
27.5°	1036.3	1032.8	1032.8	1037.5	1039.8	1042.2	1043.3	1037.5	1042.2	1048.0	1044.5
30°	999.9	995.2	997.6	1003.4	1003.4	1008.1	1008.1	1003.4	1009.3	1016.3	1014.0
32.5°	961.2	957.7	958.8	965.9	965.9	971.7	970.6	968.2	974.1	982.3	980.0
35°	922.5	918.9	920.1	927.1	927.1	934.2	931.8	931.8	937.7	947.1	944.7
37.5°	881.4	879.0	880.2	887.2	887.2	894.3	891.9	893.1	900.2	910.7	909.5
40°	839.1	836.8	839.1	845.0	847.3	853.2	850.9	853.2	862.6	872.0	875.5
42.5°	795.7	794.5	796.9	802.7	805.1	811.0	809.8	813.3	822.7	836.8	841.5
45°	751.1	751.1	753.5	759.3	761.7	768.7	767.5	772.2	784.0	799.2	807.4
47.5°	706.5	707.7	708.9	715.9	715.9	727.6	724.1	731.2	746.4	764.0	773.4
50°	660.7	663.1	664.3	670.1	672.5	683.0	680.7	692.4	708.9	727.6	740.5
52.5°	615.0	617.3	619.7	624.4	626.7	639.6	637.3	652.5	672.5	692.4	706.5
55°	566.8	571.5	572.7	578.6	582.1	595.0	595.0	612.6	633.7	656.0	673.6
57.5°	519.9	524.6	525.8	532.8	537.5	552.8	555.1	575.1	598.5	620.8	642.0
60°	471.8	477.7	478.8	485.9	494.1	510.5	514.0	536.3	562.2	585.6	610.3
62.5°	423.7	429.5	431.9	438.9	451.8	468.3	474.1	500.0	526.9	552.8	579.8
65°	375.6	381.4	384.9	394.3	409.6	427.2	435.4	462.4	492.9	519.9	548.1
67.5°	327.4	334.5	339.2	350.9	370.9	389.6	397.9	428.4	460.1	489.4	518.7
70°	280.5	287.5	293.4	308.7	332.1	350.9	361.5	394.3	427.2	458.9	491.7
72.5°	234.7	241.8	250.0	268.8	294.6	315.7	327.4	361.5	397.9	429.5	463.6
75°	187.8	196.0	205.4	231.2	260.5	281.7	294.6	331.0	368.5	400.2	436.6
77.5°	145.5	153.7	167.8	193.6	226.5	250.0	264.1	302.8	341.5	373.2	410.8
80°	106.8	115.0	133.8	162.0	196.0	218.3	235.9	275.8	315.7	348.6	386.1
82.5°	72.8	81.0	103.3	133.8	170.2	192.5	208.9	251.2	291.1	325.1	362.6
85°	42.2	54.0	77.5	110.3	147.9	170.2	186.6	230.0	268.8	302.8	341.5
87.5°	18.8	32.9	58.7	91.5	129.1	150.2	167.8	207.7	248.8	282.8	321.6
90°	1.2	18.8	45.8	77.5	113.8	133.8	150.2	190.1	228.9	264.1	301.6
92.5°	2.3	12.9	37.6	66.9	100.9	120.9	137.3	174.9	211.2	247.6	284.0
95°	5.9	12.9	32.9	59.9	91.5	110.3	125.6	162.0	196.0	231.2	266.4
97.5°	9.4	14.1	31.7	56.3	84.5	102.1	116.2	150.2	184.3	215.9	251.2
100°	12.9	17.6	31.7	54.0	79.8	96.2	109.1	140.8	172.5	201.9	237.1
102.5°	16.4	21.1	34.0	54.0	77.5	91.5	104.5	133.8	163.1	190.1	223.0
105°	21.1	24.6	36.4	54.0	75.1	89.2	99.8	126.7	154.9	180.7	210.1
107.5°	25.8	28.2	38.7	55.2	75.1	86.8	97.4	122.1	147.9	171.3	199.5
110°	31.7	32.9	42.2	57.5	75.1	85.7	95.1	118.5	142.0	164.3	190.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	36.4	36.4	45.8	59.9	75.1	85.7	93.9	115.0	137.3	157.3	181.9
115°	42.2	42.2	49.3	62.2	76.3	85.7	93.9	113.8	133.8	151.4	174.9
117.5°	46.9	46.9	54.0	64.5	78.6	86.8	93.9	111.5	130.3	146.7	167.8
120°	51.6	51.6	56.3	66.9	79.8	88.0	93.9	110.3	126.7	143.2	162.0
122.5°	56.3	56.3	59.9	70.4	81.0	88.0	93.9	109.1	124.4	138.5	156.1
125°	61.0	61.0	63.4	72.8	83.3	89.2	95.1	109.1	123.2	135.0	152.6
127.5°	65.7	64.5	68.1	76.3	84.5	90.4	96.2	109.1	120.9	132.6	147.9
130°	69.2	68.1	72.8	78.6	86.8	91.5	96.2	108.0	119.7	130.3	143.2
132.5°	73.9	71.6	77.5	79.8	89.2	93.9	97.4	108.0	118.5	127.9	140.8
135°	77.5	75.1	81.0	83.3	90.4	95.1	98.6	108.0	117.4	126.7	137.3
137.5°	79.8	78.6	84.5	86.8	91.5	96.2	99.8	108.0	116.2	124.4	135.0
140°	81.0	79.8	84.5	89.2	91.5	96.2	98.6	106.8	115.0	122.1	131.4
142.5°	82.2	82.2	85.7	90.4	91.5	95.1	98.6	105.6	112.7	118.5	129.1
145°	82.2	82.2	85.7	91.5	92.7	93.9	96.2	103.3	109.1	115.0	124.4
147.5°	82.2	82.2	86.8	91.5	93.9	95.1	93.9	100.9	106.8	111.5	119.7
150°	82.2	82.2	86.8	91.5	95.1	96.2	95.1	98.6	103.3	108.0	115.0
152.5°	83.3	83.3	86.8	91.5	95.1	96.2	96.2	96.2	99.8	104.5	111.5
155°	83.3	84.5	86.8	93.9	96.2	97.4	97.4	97.4	96.2	100.9	106.8
157.5°	86.8	88.0	89.2	95.1	97.4	98.6	98.6	98.6	97.4	96.2	102.1
160°	90.4	91.5	92.7	97.4	99.8	100.9	100.9	100.9	98.6	97.4	97.4
162.5°	93.9	96.2	96.2	98.6	100.9	102.1	102.1	103.3	100.9	99.8	98.6
165°	98.6	99.8	99.8	100.9	103.3	104.5	103.3	104.5	103.3	102.1	100.9
167.5°	102.1	103.3	103.3	104.5	104.5	105.6	105.6	105.6	104.5	103.3	103.3
170°	105.6	106.8	106.8	106.8	106.8	106.8	106.8	106.8	105.6	103.3	103.3
172.5°	108.0	109.1	109.1	108.0	108.0	108.0	108.0	106.8	104.5	103.3	103.3
175°	109.1	110.3	110.3	109.1	108.0	108.0	108.0	106.8	104.5	103.3	103.3
177.5°	110.3	111.5	110.3	110.3	108.0	108.0	108.0	108.0	105.6	104.5	103.3
180°	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5
2.5°	1232.3	1218.2	1227.6	1228.8	1233.5	1228.8	1232.3	1228.8	1238.1	1234.6
5°	1227.6	1214.7	1222.9	1224.1	1229.9	1224.1	1229.9	1227.6	1239.3	1235.8
7.5°	1219.4	1208.8	1215.9	1217.0	1224.1	1218.2	1224.1	1221.7	1235.8	1231.1
10°	1207.6	1199.4	1206.5	1207.6	1214.7	1208.8	1213.5	1211.2	1226.4	1219.4
12.5°	1194.7	1187.7	1193.6	1194.7	1202.9	1197.1	1202.9	1200.6	1215.9	1208.8
15°	1175.9	1172.4	1178.3	1180.6	1188.9	1184.2	1190.0	1187.7	1204.1	1194.7
17.5°	1157.2	1154.8	1160.7	1163.0	1172.4	1166.6	1172.4	1170.1	1186.5	1177.1
20°	1133.7	1132.5	1138.4	1141.9	1150.1	1144.3	1151.3	1149.0	1166.6	1157.2
22.5°	1109.1	1109.1	1113.7	1117.3	1125.5	1120.8	1127.8	1126.7	1144.3	1134.9
25°	1082.1	1083.2	1087.9	1092.6	1102.0	1098.5	1104.4	1104.4	1120.8	1109.1
27.5°	1051.5	1057.4	1060.9	1066.8	1075.0	1071.5	1077.4	1078.5	1095.0	1083.2
30°	1019.9	1028.1	1031.6	1038.6	1045.7	1045.7	1051.5	1053.9	1070.3	1058.6
32.5°	987.0	996.4	1001.1	1010.5	1019.9	1019.9	1028.1	1031.6	1048.0	1037.5
35°	954.1	967.0	972.9	984.7	994.0	995.2	1003.4	1008.1	1024.6	1014.0
37.5°	922.5	938.9	944.7	958.8	967.0	969.4	978.8	984.7	999.9	990.5
40°	889.6	909.5	916.6	931.8	938.9	943.6	953.0	960.0	974.1	965.9
42.5°	857.9	880.2	887.2	903.7	911.9	916.6	926.0	935.4	949.4	941.2
45°	826.2	850.9	859.1	876.7	883.7	890.8	901.3	909.5	922.5	915.4
47.5°	795.7	821.5	829.7	848.5	856.7	864.9	874.3	886.1	897.8	890.8
50°	764.0	791.0	801.6	821.5	828.6	838.0	849.7	860.2	872.0	866.1
52.5°	733.5	761.7	772.2	793.4	801.6	811.0	822.7	834.4	845.0	840.3
55°	700.6	731.2	742.9	765.2	773.4	782.8	795.7	808.6	818.0	814.5
57.5°	670.1	701.8	713.5	738.2	745.2	757.0	769.9	784.0	792.2	788.7
60°	639.6	671.3	685.4	710.0	718.2	730.0	742.9	758.1	765.2	762.8
62.5°	609.1	642.0	657.2	683.0	690.1	703.0	718.2	731.2	738.2	737.0
65°	580.9	612.6	630.2	656.0	663.1	677.2	691.3	705.3	712.4	712.4
67.5°	551.6	585.6	603.2	630.2	636.1	651.3	666.6	680.7	686.6	686.6
70°	524.6	557.5	577.4	604.4	610.3	624.4	640.8	656.0	660.7	661.9
72.5°	497.6	530.5	551.6	579.8	585.6	599.7	615.0	631.4	634.9	636.1
75°	471.8	504.6	525.8	553.9	559.8	573.9	590.3	605.6	610.3	611.4
77.5°	446.0	478.8	502.3	529.3	535.2	549.2	565.7	580.9	584.5	586.8
80°	422.5	454.2	476.5	505.8	511.7	525.8	541.0	556.3	558.6	562.2
82.5°	399.0	430.7	454.2	482.4	488.2	502.3	517.6	532.8	535.2	539.9
85°	376.7	408.4	431.9	458.9	465.9	478.8	495.3	509.3	511.7	515.2
87.5°	356.8	386.1	410.8	436.6	443.6	456.5	473.0	487.0	488.2	492.9
90°	335.7	365.0	389.6	415.5	422.5	434.2	450.7	464.7	467.1	470.6
92.5°	318.0	345.0	370.9	395.5	401.4	414.3	429.5	443.6	446.0	449.5
95°	299.3	326.3	352.1	375.6	381.4	394.3	408.4	422.5	424.8	428.4
97.5°	282.8	308.7	333.3	356.8	362.6	374.4	389.6	402.5	404.9	409.6
100°	267.6	292.2	318.0	339.2	345.0	356.8	370.9	383.8	386.1	390.8
102.5°	253.5	277.0	301.6	321.6	328.6	339.2	353.3	365.0	367.3	370.9
105°	240.6	262.9	286.4	305.1	312.2	322.7	335.7	347.4	349.7	353.3
107.5°	227.7	248.8	271.1	289.9	295.7	305.1	318.0	329.8	332.1	336.8
110°	215.9	237.1	258.2	275.8	282.8	289.9	302.8	313.4	315.7	319.2





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	205.4	224.2	245.3	261.7	267.6	275.8	286.4	296.9	299.3	304.0
115°	196.0	213.6	234.7	250.0	254.7	261.7	273.4	282.8	285.2	288.7
117.5°	187.8	203.0	221.8	237.1	242.9	248.8	259.4	267.6	271.1	273.4
120°	180.7	194.8	211.2	225.3	232.4	237.1	246.5	254.7	258.2	260.5
122.5°	173.7	186.6	201.9	214.8	220.6	224.2	234.7	241.8	245.3	248.8
125°	167.8	179.6	193.6	204.2	210.1	213.6	223.0	230.0	233.5	235.9
127.5°	162.0	172.5	186.6	194.8	200.7	203.0	211.2	218.3	221.8	223.0
130°	156.1	166.7	178.4	186.6	191.3	194.8	201.9	206.6	210.1	211.2
132.5°	151.4	160.8	171.3	179.6	184.3	185.4	192.5	197.2	200.7	201.9
135°	147.9	154.9	165.5	172.5	176.0	178.4	184.3	187.8	191.3	192.5
137.5°	143.2	150.2	159.6	164.3	169.0	170.2	176.0	179.6	183.1	184.3
140°	139.7	145.5	153.7	158.4	163.1	163.1	167.8	171.3	174.9	174.9
142.5°	136.1	142.0	149.0	153.7	157.3	157.3	162.0	164.3	167.8	167.8
145°	131.4	137.3	144.4	147.9	151.4	151.4	154.9	157.3	160.8	160.8
147.5°	126.7	132.6	139.7	142.0	145.5	145.5	149.0	151.4	153.7	153.7
150°	120.9	125.6	133.8	137.3	140.8	140.8	143.2	145.5	147.9	147.9
152.5°	116.2	119.7	126.7	131.4	135.0	135.0	137.3	139.7	142.0	142.0
155°	110.3	113.8	119.7	125.6	129.1	130.3	132.6	133.8	136.1	136.1
157.5°	105.6	109.1	113.8	118.5	122.1	124.4	127.9	129.1	130.3	130.3
160°	99.8	102.1	106.8	111.5	115.0	117.4	123.2	124.4	125.6	125.6
162.5°	97.4	97.4	99.8	103.3	106.8	108.0	113.8	118.5	120.9	119.7
165°	98.6	97.4	97.4	98.6	100.9	102.1	105.6	112.7	115.0	113.8
167.5°	100.9	98.6	97.4	97.4	99.8	99.8	103.3	109.1	116.2	113.8
170°	100.9	97.4	95.1	95.1	96.2	96.2	98.6	102.1	109.1	110.3
172.5°	99.8	97.4	93.9	89.2	90.4	89.2	88.0	90.4	91.5	103.3
175°	100.9	97.4	93.9	88.0	85.7	82.2	76.3	71.6	70.4	57.5
177.5°	99.8	96.2	91.5	86.8	84.5	79.8	72.8	64.5	59.9	52.8
180°	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1



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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	14.48	15.79	15.12	16.45	17.22	18.02	19.33	18.66	20.00	20.77
	3H	15.83	17.02	16.48	17.70	18.50	20.94	22.14	21.59	22.81	23.61
	4H	16.23	17.37	16.90	18.06	18.87	22.42	23.56	23.09	24.24	25.06
	6H	16.45	17.51	17.13	18.20	19.03	23.97	25.04	24.66	25.73	26.56
	8H	16.48	17.50	17.18	18.22	19.05	24.78	25.80	25.48	26.52	27.35
	12H	16.48	17.46	17.19	18.17	19.03	25.66	26.64	26.37	27.35	28.21
4H	2H	15.62	16.76	16.29	17.44	18.26	18.34	19.48	19.02	20.17	20.98
	3H	17.26	18.24	17.95	18.96	19.79	21.49	22.47	22.18	23.19	24.03
	4H	17.83	18.73	18.53	19.46	20.32	23.14	24.04	23.85	24.77	25.63
	6H	18.17	18.97	18.89	19.72	20.59	24.91	25.71	25.63	26.46	27.33
	8H	18.25	19.00	18.97	19.74	20.63	25.85	26.60	26.57	27.35	28.23
	12H	18.27	18.96	19.02	19.73	20.62	26.87	27.56	27.62	28.32	29.21
8H	4H	18.92	19.67	19.64	20.41	21.30	23.32	24.07	24.04	24.82	25.70
	6H	19.53	20.17	20.28	20.95	21.84	25.27	25.91	26.02	26.70	27.58
	8H	19.72	20.30	20.49	21.09	21.99	26.35	26.93	27.12	27.72	28.62
	12H	19.84	20.35	20.61	21.13	22.09	27.57	28.09	28.34	28.86	29.82
12H	4H	19.27	19.96	20.02	20.72	21.61	23.31	24.00	24.06	24.77	25.66
	6H	20.05	20.63	20.81	21.41	22.31	25.30	25.88	26.06	26.66	27.56
	8H	20.38	20.89	21.15	21.67	22.63	26.44	26.96	27.21	27.74	28.70