

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: P895408

Luminaire Tested: 8TMB-SC3-FLTU-UNV-CC83-LOW-5000K

Issue Date: 11/11/2024

**Test Information**

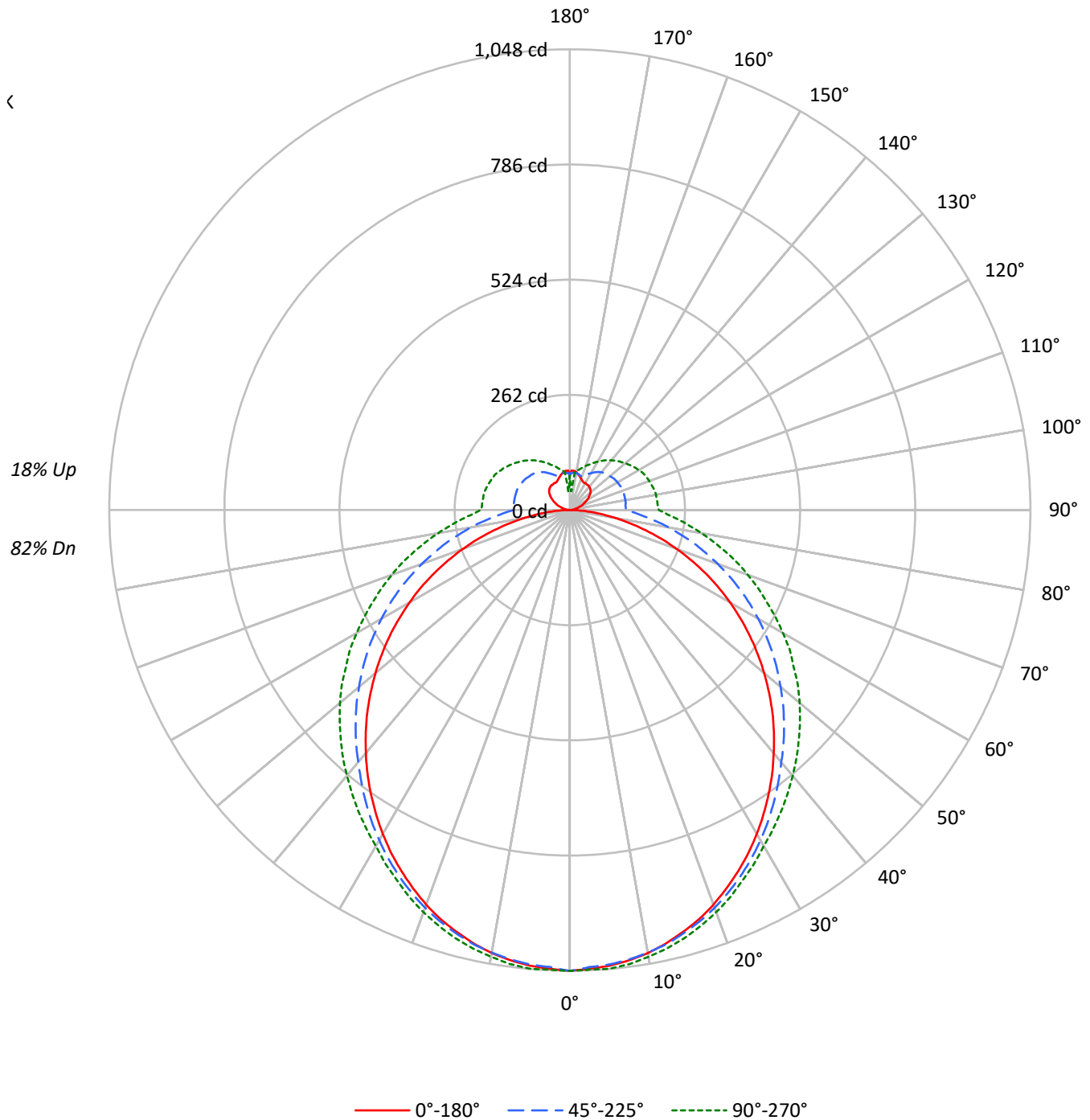
Test Method: LM-79-2019  
Report Number: P895408  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-FLTU-UNV-CC83-LOW-5000K  
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 5000K CCT, LOW lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3963.0 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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): 33.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.9915  
Total Harmonic Distortion (THDi): 6.67573310469889  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P895408  
CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC83-LOW-5000K

### 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°	3720	3720	3720
5°	3698	3569	3560
10°	3670	3438	3391
15°	3625	3305	3229
20°	3573	3168	3065
25°	3507	3025	2899
30°	3435	2879	2747
35°	3355	2732	2622
40°	3272	2586	2503
45°	3188	2460	2389
50°	3090	2329	2279
55°	2986	2201	2156
60°	2860	2062	2039
65°	2710	1917	1907
70°	2511	1756	1784
75°	2236	1592	1651
80°	1874	1416	1514
85°	1411	1237	1390

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3188 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.1	2.5
10°-20°	282.7	7.1
20°-30°	424.8	10.7
30°-40°	510.1	12.9
40°-50°	536.3	13.5
50°-60°	503.9	12.7
60°-70°	419.0	10.6
70°-80°	299.0	7.5
80°-90°	178.0	4.5
90°-100°	128.8	3.3
100°-110°	127.1	3.2
110°-120°	119.4	3.0
120°-130°	105.8	2.7
130°-140°	87.7	2.2
140°-150°	65.6	1.7
150°-160°	43.2	1.1
160°-170°	24.5	0.6
170°-180°	7.8	0.2
0°-30°	806.6	20.4
0°-40°	1316.7	33.2
0°-60°	2357.0	59.5
0°-90°	3253.0	82.1
90°-120°	375.4	9.5
90°-150°	634.5	16.0
90°-180°	710.0	17.9
0°-180°	3963.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1048	1048	1048	1048	1048	
5°	1041	1053	1038	1041	1047	99
15°	994	1009	998	1004	1008	280
25°	907	924	919	928	930	418
35°	789	807	810	830	838	493
45°	652	670	689	725	737	503
55°	501	521	562	608	621	447
65°	341	369	427	481	494	337
75°	179	219	292	348	367	190
85°	45	99	171	229	248	49
90°	0	56	127	183	202	3
95°	5	59	127	181	200	5
105°	18	66	128	179	196	19
115°	35	72	127	171	189	35
125°	54	77	124	161	173	48
135°	66	80	117	146	157	51
145°	70	78	105	130	138	44
155°	71	80	89	110	117	33
165°	81	86	83	84	98	23
175°	90	89	84	72	43	8
180°	78	78	78	78	78	



TEST NUMBER: P895408  
 CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC83-LOW-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3
2.5°	1044.5	1047.3	1048.3	1057.9	1054.0	1057.9	1051.2	1043.5	1041.6	1046.4	1040.6
5°	1040.6	1043.5	1044.5	1054.0	1050.2	1053.1	1047.3	1039.7	1037.7	1043.5	1037.7
7.5°	1033.0	1035.8	1036.8	1047.3	1042.5	1046.4	1039.7	1032.0	1031.0	1036.8	1031.0
10°	1023.4	1026.3	1027.2	1036.8	1033.0	1036.8	1030.1	1022.4	1021.5	1028.2	1022.4
12.5°	1010.0	1012.9	1014.8	1024.3	1019.6	1024.3	1016.7	1009.0	1010.0	1015.7	1011.9
15°	993.7	997.5	998.5	1008.1	1004.2	1009.0	1001.4	993.7	995.6	1001.4	997.5
17.5°	976.5	980.3	981.3	989.9	986.1	991.8	983.2	976.5	978.4	984.1	981.3
20°	955.4	959.2	961.2	969.8	965.9	971.7	963.1	957.3	959.2	965.9	963.1
22.5°	931.5	937.2	938.2	947.8	943.0	948.7	940.1	935.3	938.2	944.9	942.0
25°	906.6	912.3	913.3	922.9	919.0	923.8	915.2	910.4	914.3	921.0	919.0
27.5°	879.8	885.5	887.4	896.1	892.2	898.0	888.4	885.5	889.4	896.1	894.1
30°	851.1	856.8	857.8	866.4	863.5	869.3	860.6	856.8	862.6	869.3	867.3
32.5°	820.4	826.2	829.1	836.7	833.8	838.6	831.0	829.1	833.8	840.5	839.6
35°	788.8	794.6	797.5	806.1	802.2	807.0	799.4	797.5	805.1	809.9	809.9
37.5°	756.3	762.0	764.9	773.5	768.7	774.5	766.8	765.9	774.5	779.3	779.3
40°	721.8	728.5	731.4	739.1	735.2	740.0	733.3	734.3	741.9	747.7	748.6
42.5°	687.4	694.1	696.9	705.6	700.8	705.6	699.8	700.8	709.4	715.1	719.9
45°	651.9	657.7	660.6	670.1	664.4	670.1	664.4	666.3	674.9	683.5	689.3
47.5°	614.6	620.4	625.1	632.8	628.0	632.8	629.0	631.8	642.4	651.0	658.6
50°	577.3	583.0	587.8	594.5	589.7	596.4	591.6	595.5	608.9	617.5	626.1
52.5°	539.0	543.8	551.4	555.3	551.4	559.1	555.3	561.0	574.4	584.9	594.5
55°	500.7	505.5	513.1	516.0	512.2	520.8	517.9	525.6	539.9	551.4	562.0
57.5°	461.4	466.2	472.9	475.8	472.9	482.5	481.5	490.2	504.5	517.0	528.4
60°	421.2	426.0	431.8	434.6	434.6	444.2	444.2	454.7	470.1	481.5	494.9
62.5°	382.0	384.8	390.6	394.4	397.3	406.9	406.9	418.4	434.6	448.0	461.4
65°	340.8	343.7	348.5	353.3	358.0	368.6	369.5	382.0	398.3	411.7	427.0
67.5°	299.6	302.5	307.3	313.0	319.7	330.3	332.2	345.6	362.8	378.1	392.5
70°	259.4	260.4	266.1	273.8	281.5	292.0	294.9	309.2	327.4	342.7	358.0
72.5°	219.2	220.2	225.9	235.5	244.1	255.6	259.4	274.8	292.9	308.3	323.6
75°	179.0	180.0	187.6	199.1	208.7	219.2	224.0	240.3	258.5	274.8	292.0
77.5°	140.7	142.6	150.3	161.8	173.3	185.7	190.5	206.8	226.9	242.2	258.5
80°	105.3	107.2	115.8	128.3	140.7	152.2	158.0	174.2	195.3	210.6	228.8
82.5°	72.8	75.6	86.2	99.6	112.0	124.5	130.2	145.5	164.7	181.9	199.1
85°	45.0	48.8	59.4	73.7	87.1	98.6	104.3	120.6	138.8	155.1	171.4
87.5°	21.1	26.8	37.3	51.7	66.1	75.6	82.3	98.6	115.8	132.1	148.4
90°	0.0	8.6	19.1	33.5	47.9	56.5	64.1	79.5	96.7	112.0	127.3
92.5°	1.9	9.6	21.1	34.5	48.8	57.4	65.1	80.4	96.7	112.0	127.3
95°	4.8	10.5	22.0	36.4	50.7	59.4	66.1	81.4	97.6	113.0	127.3
97.5°	8.6	13.4	24.9	38.3	52.7	60.3	68.0	83.3	98.6	113.9	128.3
100°	11.5	15.3	26.8	40.2	54.6	62.2	69.9	84.2	99.6	114.9	128.3
102.5°	14.4	19.1	29.7	42.1	56.5	64.1	70.8	85.2	100.5	114.9	128.3
105°	18.2	22.0	31.6	45.0	58.4	66.1	72.8	87.1	101.5	115.8	128.3
107.5°	22.0	24.9	34.5	46.9	60.3	67.0	73.7	88.1	102.4	115.8	128.3
110°	26.8	28.7	37.3	48.8	61.3	68.9	75.6	89.0	102.4	115.8	128.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	31.6	31.6	40.2	50.7	63.2	69.9	76.6	90.0	103.4	115.8	128.3
115°	35.4	36.4	43.1	52.7	65.1	71.8	77.5	90.0	103.4	115.8	127.3
117.5°	40.2	40.2	46.9	54.6	66.1	72.8	79.5	90.9	103.4	114.9	126.4
120°	45.0	44.0	49.8	57.4	68.0	73.7	80.4	91.9	103.4	114.9	125.4
122.5°	49.8	47.9	51.7	59.4	68.9	75.6	80.4	91.9	103.4	113.9	124.5
125°	53.6	51.7	54.6	62.2	70.8	76.6	81.4	91.9	103.4	113.0	123.5
127.5°	57.4	55.5	58.4	64.1	71.8	76.6	82.3	91.9	103.4	112.0	121.6
130°	61.3	58.4	62.2	66.1	73.7	77.5	82.3	91.9	102.4	111.1	119.7
132.5°	64.1	61.3	65.1	68.0	74.7	78.5	83.3	91.9	101.5	110.1	118.7
135°	66.1	63.2	68.0	69.9	76.6	80.4	84.2	91.9	100.5	109.1	116.8
137.5°	68.0	64.1	69.9	71.8	77.5	81.4	84.2	90.9	99.6	107.2	114.9
140°	68.9	66.1	71.8	73.7	76.6	80.4	84.2	90.0	97.6	105.3	112.0
142.5°	69.9	66.1	72.8	74.7	76.6	79.5	83.3	88.1	95.7	102.4	109.1
145°	69.9	67.0	72.8	74.7	76.6	78.5	81.4	87.1	92.9	98.6	105.3
147.5°	69.9	68.0	73.7	75.6	77.5	77.5	79.5	85.2	90.0	95.7	101.5
150°	70.8	68.0	73.7	75.6	78.5	78.5	79.5	82.3	88.1	91.9	96.7
152.5°	69.9	68.9	72.8	76.6	78.5	79.5	79.5	80.4	85.2	89.0	92.9
155°	70.8	70.8	73.7	78.5	79.5	79.5	80.4	79.5	81.4	85.2	89.0
157.5°	72.8	74.7	74.7	79.5	81.4	81.4	82.3	81.4	80.4	81.4	85.2
160°	75.6	77.5	77.5	80.4	83.3	83.3	84.2	83.3	82.3	81.4	81.4
162.5°	78.5	80.4	80.4	81.4	84.2	85.2	86.2	85.2	84.2	82.3	81.4
165°	81.4	83.3	83.3	83.3	85.2	86.2	87.1	86.2	86.2	84.2	83.3
167.5°	84.2	86.2	86.2	85.2	86.2	87.1	88.1	87.1	87.1	86.2	84.2
170°	87.1	89.0	89.0	87.1	88.1	88.1	89.0	88.1	88.1	86.2	85.2
172.5°	89.0	90.9	90.0	89.0	89.0	89.0	89.0	88.1	87.1	85.2	85.2
175°	90.0	91.9	91.9	90.0	89.0	89.0	90.0	88.1	87.1	86.2	84.2
177.5°	90.0	91.9	91.9	90.0	90.0	89.0	90.0	89.0	89.0	87.1	85.2
180°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3	1048.3
2.5°	1044.5	1043.5	1037.7	1044.5	1044.5	1042.5	1050.2	1049.2	1048.3	1046.4
5°	1040.6	1039.7	1033.9	1040.6	1040.6	1039.7	1047.3	1048.3	1049.2	1047.3
7.5°	1034.9	1033.9	1028.2	1034.9	1034.9	1033.9	1042.5	1043.5	1044.5	1041.6
10°	1026.3	1025.3	1019.6	1026.3	1027.2	1026.3	1033.0	1033.9	1035.8	1032.0
12.5°	1014.8	1014.8	1009.0	1015.7	1016.7	1015.7	1022.4	1024.3	1026.3	1021.5
15°	1000.4	1001.4	996.6	1003.3	1004.2	1004.2	1010.9	1011.9	1014.8	1008.1
17.5°	983.2	985.1	981.3	988.0	988.9	989.9	993.7	996.6	999.5	991.8
20°	965.0	965.9	963.1	968.8	970.7	969.8	974.6	978.4	981.3	973.6
22.5°	943.0	943.9	941.1	946.8	948.7	949.7	953.5	958.3	960.2	953.5
25°	918.1	921.9	920.0	925.7	927.7	927.7	931.5	936.3	939.1	929.6
27.5°	894.1	898.9	897.0	902.8	904.7	905.6	907.6	913.3	916.2	907.6
30°	867.3	873.1	872.1	877.9	879.8	878.8	882.7	888.4	892.2	882.7
32.5°	837.7	845.3	844.4	852.0	853.9	854.9	857.8	865.4	869.3	860.6
35°	808.9	817.6	818.5	827.1	830.0	831.0	834.8	842.5	846.3	837.7
37.5°	779.3	790.8	793.6	802.2	805.1	806.1	809.9	818.5	822.3	813.7
40°	750.5	764.0	767.8	775.4	778.3	781.2	784.1	792.7	797.5	788.8
42.5°	721.8	736.2	741.0	748.6	751.5	754.4	758.2	767.8	771.6	764.0
45°	692.2	707.5	713.2	720.9	724.7	727.6	731.4	740.0	744.8	737.1
47.5°	662.5	677.8	683.5	692.2	696.0	699.8	702.7	713.2	718.0	710.3
50°	630.9	648.1	654.8	662.5	668.2	671.1	674.9	684.5	689.3	682.6
52.5°	599.3	617.5	625.1	632.8	638.5	643.3	645.2	655.8	660.6	653.9
55°	566.7	584.9	593.5	602.2	607.9	613.7	615.6	626.1	630.9	621.3
57.5°	534.2	553.3	562.0	571.5	576.3	583.0	585.9	595.5	600.2	593.5
60°	501.6	519.8	530.4	539.0	545.7	551.4	553.3	563.9	568.7	560.0
62.5°	468.1	487.3	497.8	507.4	513.1	519.8	522.7	532.3	536.1	527.5
65°	433.7	452.8	464.3	472.9	480.6	486.3	488.2	498.8	502.6	494.0
67.5°	399.2	418.4	430.8	440.4	447.1	453.8	455.7	466.2	470.1	463.3
70°	365.7	384.8	397.3	408.8	413.6	420.3	423.1	432.7	436.5	430.8
72.5°	332.2	351.3	364.7	376.2	381.0	387.7	391.5	399.2	405.0	400.2
75°	299.6	318.8	332.2	343.7	348.5	355.2	359.0	366.7	370.5	366.7
77.5°	268.1	287.2	299.6	311.1	316.9	322.6	326.5	334.1	338.9	335.1
80°	237.4	256.6	269.0	279.5	285.3	291.0	294.9	303.5	307.3	304.4
82.5°	208.7	226.9	240.3	250.8	256.6	262.3	266.1	273.8	278.6	274.8
85°	182.9	201.0	213.5	224.0	228.8	234.5	238.4	246.0	249.9	247.9
87.5°	158.0	174.2	188.6	199.1	203.9	209.7	214.4	220.2	225.0	222.1
90°	138.8	153.2	166.6	177.1	182.9	188.6	194.3	200.1	203.9	202.0
92.5°	139.8	153.2	165.6	175.2	180.9	186.7	192.4	199.1	202.0	200.1
95°	139.8	153.2	165.6	175.2	180.9	186.7	192.4	199.1	202.0	200.1
97.5°	139.8	153.2	165.6	175.2	180.9	186.7	192.4	199.1	202.0	199.1
100°	139.8	153.2	165.6	175.2	180.9	185.7	191.5	198.2	201.0	199.1
102.5°	139.8	153.2	164.7	174.2	180.0	184.8	190.5	197.2	200.1	198.2
105°	139.8	152.2	164.7	173.3	179.0	183.8	189.6	195.3	198.2	196.3
107.5°	138.8	151.3	162.7	172.3	177.1	181.9	187.6	193.4	196.3	194.3
110°	138.8	150.3	161.8	170.4	175.2	180.0	185.7	191.5	194.3	192.4





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	137.9	149.3	160.8	168.5	173.3	178.1	182.9	189.6	192.4	190.5
115°	136.9	148.4	158.9	166.6	171.4	175.2	180.9	187.6	189.6	188.6
117.5°	135.9	146.5	157.0	164.7	169.4	173.3	178.1	183.8	186.7	185.7
120°	135.0	144.6	155.1	161.8	166.6	170.4	174.2	180.0	182.9	180.9
122.5°	133.1	142.6	153.2	159.9	163.7	167.5	171.4	176.1	179.0	178.1
125°	131.2	140.7	150.3	157.0	160.8	163.7	167.5	172.3	174.2	173.3
127.5°	129.2	138.8	147.4	153.2	158.0	160.8	163.7	168.5	170.4	169.4
130°	127.3	135.9	144.6	150.3	154.1	157.0	159.9	164.7	165.6	165.6
132.5°	125.4	133.1	141.7	147.4	151.3	153.2	156.0	159.9	161.8	160.8
135°	123.5	130.2	138.8	143.6	146.5	149.3	152.2	156.0	157.0	157.0
137.5°	120.6	127.3	135.0	139.8	142.6	144.6	147.4	151.3	152.2	152.2
140°	117.8	124.5	131.2	135.0	138.8	140.7	142.6	146.5	147.4	147.4
142.5°	114.9	120.6	127.3	131.2	135.0	135.9	138.8	141.7	142.6	142.6
145°	111.1	117.8	123.5	127.3	130.2	131.2	134.0	136.9	136.9	137.9
147.5°	106.3	112.0	119.7	122.5	125.4	126.4	129.2	131.2	132.1	132.1
150°	101.5	107.2	113.9	118.7	121.6	122.5	123.5	126.4	126.4	127.3
152.5°	96.7	101.5	108.2	113.0	116.8	117.8	118.7	120.6	120.6	121.6
155°	91.9	95.7	101.5	106.3	110.1	112.0	113.9	115.8	115.8	116.8
157.5°	88.1	91.9	96.7	100.5	103.4	106.3	109.1	111.1	111.1	111.1
160°	83.3	86.2	90.9	93.8	97.6	99.6	104.3	106.3	106.3	107.2
162.5°	80.4	81.4	84.2	87.1	90.0	91.9	96.7	101.5	101.5	102.4
165°	81.4	80.4	81.4	82.3	84.2	85.2	88.1	94.8	96.7	97.6
167.5°	83.3	80.4	80.4	80.4	82.3	82.3	85.2	89.0	95.7	93.8
170°	83.3	80.4	78.5	78.5	79.5	78.5	80.4	83.3	87.1	90.9
172.5°	84.2	81.4	78.5	74.7	75.6	74.7	72.8	72.8	73.7	86.2
175°	83.3	81.4	77.5	72.8	71.8	68.9	63.2	58.4	55.5	43.1
177.5°	82.3	79.5	76.6	72.8	70.8	68.0	61.3	53.6	46.0	44.0
180°	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5



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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	12.27	13.59	12.89	14.22	14.95	14.90	16.22	15.52	16.85	17.57
	3H	13.67	14.87	14.30	15.52	16.27	17.36	18.56	17.99	19.20	19.96
	4H	14.10	15.24	14.75	15.89	16.66	18.53	19.67	19.18	20.32	21.09
	6H	14.34	15.40	15.00	16.06	16.85	19.71	20.77	20.37	21.43	22.22
	8H	14.38	15.39	15.05	16.08	16.87	20.30	21.31	20.97	22.00	22.79
	12H	14.39	15.36	15.07	16.04	16.86	20.94	21.90	21.62	22.59	23.40
4H	2H	13.17	14.31	13.82	14.97	15.74	15.24	16.38	15.89	17.04	17.81
	3H	14.80	15.76	15.46	16.46	17.24	17.91	18.87	18.57	19.57	20.36
	4H	15.35	16.24	16.03	16.93	17.75	19.22	20.11	19.90	20.81	21.62
	6H	15.69	16.47	16.39	17.19	18.02	20.58	21.35	21.27	22.08	22.90
	8H	15.76	16.50	16.47	17.21	18.06	21.27	22.00	21.97	22.72	23.56
	12H	15.79	16.46	16.52	17.20	18.05	22.02	22.68	22.74	23.42	24.27
8H	4H	16.01	16.75	16.72	17.46	18.30	19.37	20.10	20.08	20.82	21.66
	6H	16.52	17.14	17.25	17.90	18.74	20.87	21.48	21.60	22.24	23.09
	8H	16.67	17.23	17.42	17.99	18.85	21.68	22.23	22.42	22.99	23.85
	12H	16.76	17.26	17.51	18.01	18.93	22.59	23.08	23.33	23.83	24.75
12H	4H	16.18	16.85	16.91	17.59	18.44	19.36	20.03	20.09	20.77	21.61
	6H	16.78	17.34	17.53	18.10	18.96	20.88	21.44	21.63	22.20	23.06
	8H	17.02	17.51	17.77	18.26	19.18	21.74	22.24	22.49	22.99	23.91