

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: P894320

Luminaire Tested: 4MB-SC3-RNDU-UNV-CC83-LOW-5000K

Issue Date: 11/11/2024

**Test Information**

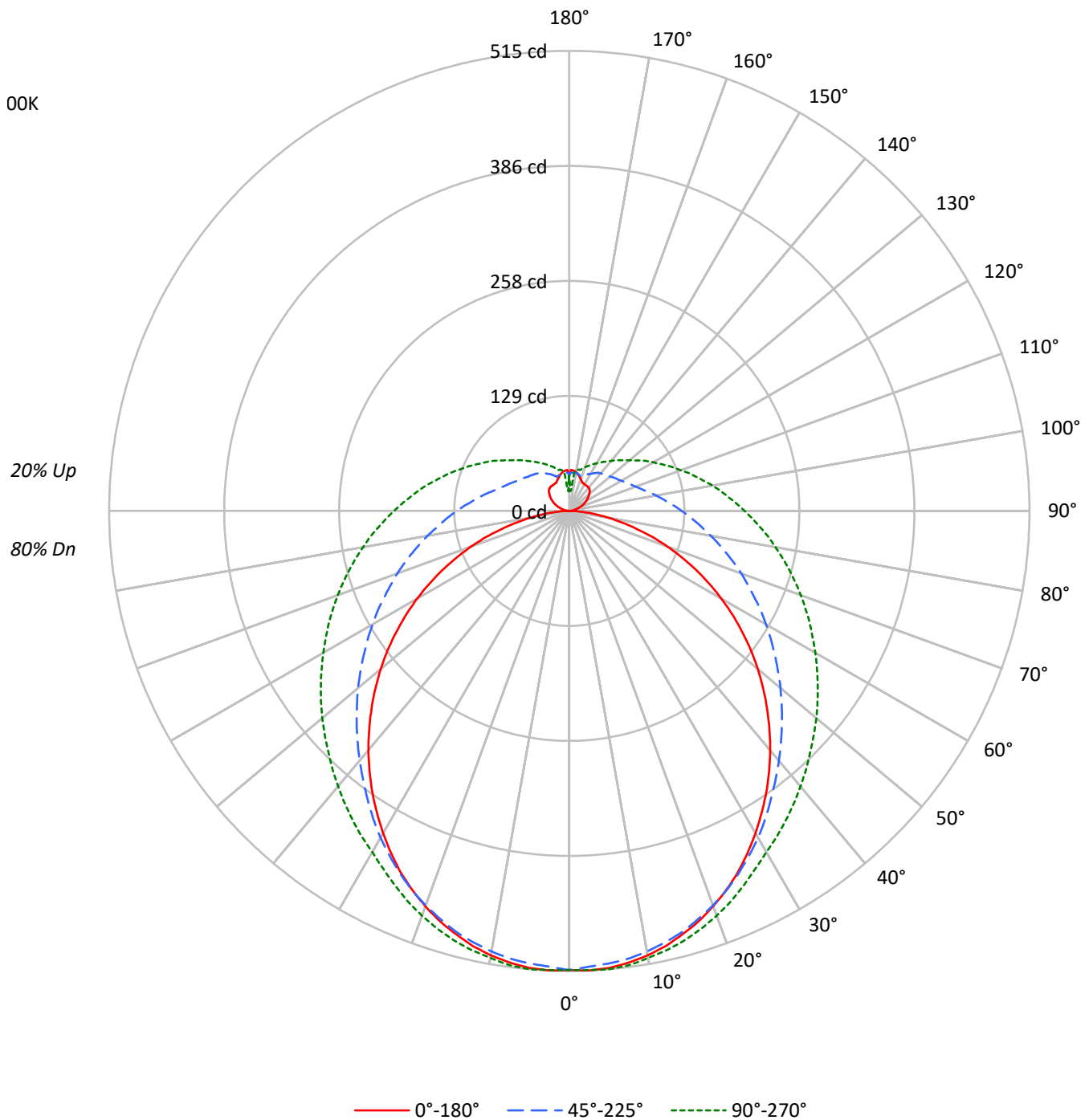
Test Method: LM-79-2019  
Report Number: P894320  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-RNDU-UNV-CC83-LOW-5000K  
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 50  
CCT, LOW lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2162.0 lumens  
Efficiency: N/A  
Efficacy: 129.5 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): 16.7  
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

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CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC83-LOW-5000K

### 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°	3657	3657	3657
5°	3651	3502	3510
10°	3617	3366	3348
15°	3563	3228	3198
20°	3500	3082	3044
25°	3422	2936	2890
30°	3323	2789	2753
35°	3221	2636	2653
40°	3111	2499	2561
45°	2993	2377	2480
50°	2868	2268	2417
55°	2726	2168	2362
60°	2565	2085	2321
65°	2369	2013	2298
70°	2126	1968	2290
75°	1801	1935	2300
80°	1406	1935	2337
85°	899	1985	2413

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2993 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.6	2.2
10°-20°	138.7	6.4
20°-30°	208.2	9.6
30°-40°	250.4	11.6
40°-50°	265.3	12.3
50°-60°	255.4	11.8
60°-70°	226.1	10.5
70°-80°	185.4	8.6
80°-90°	143.9	6.7
90°-100°	111.7	5.2
100°-110°	88.5	4.1
110°-120°	70.5	3.3
120°-130°	56.0	2.6
130°-140°	43.7	2.0
140°-150°	32.2	1.5
150°-160°	21.3	1.0
160°-170°	12.2	0.6
170°-180°	3.9	0.2
0°-30°	395.5	18.3
0°-40°	645.9	29.9
0°-60°	1166.6	54.0
0°-90°	1722.0	79.6
90°-120°	270.7	12.5
90°-150°	402.6	18.6
90°-180°	440.0	20.4
0°-180°	2162.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	514	514	514	514	514	
5°	514	514	509	513	515	49
15°	490	491	488	495	498	138
25°	446	448	448	459	462	205
35°	384	389	394	414	423	240
45°	313	320	336	368	382	242
55°	236	248	281	322	339	211
65°	156	178	228	276	297	155
75°	78	117	182	233	255	84
85°	18	71	142	194	215	20
90°	0	56	126	176	196	1
95°	2	46	111	159	178	3
105°	9	37	88	130	147	9
115°	18	36	73	106	120	17
125°	25	37	64	88	98	23
135°	32	40	57	73	80	25
145°	34	39	52	63	67	21
155°	35	41	44	54	57	16
165°	41	44	42	42	47	11
175°	46	45	43	36	24	4
180°	40	40	40	40	40	



TEST NUMBER: P894320

CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC83-LOW-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0
2.5°	515.0	514.5	515.5	516.5	519.4	515.5	517.4	512.1	512.6	513.0	510.6
5°	513.5	512.1	513.5	514.5	517.0	514.0	516.0	510.1	510.6	511.6	508.6
7.5°	510.1	508.6	509.6	510.6	513.0	510.1	512.6	506.7	507.7	508.2	505.7
10°	505.2	503.3	504.2	505.7	507.7	505.2	507.2	501.8	502.3	503.3	500.8
12.5°	498.9	496.9	497.9	498.9	501.3	498.9	500.8	495.4	496.4	497.4	494.9
15°	490.5	488.6	489.6	490.5	492.5	491.0	493.0	487.6	488.6	490.5	488.1
17.5°	481.7	478.8	479.8	481.3	483.2	482.2	483.7	479.3	479.8	481.7	479.3
20°	471.0	468.0	469.0	470.5	472.4	472.0	472.9	469.0	470.0	472.4	470.0
22.5°	459.2	456.3	457.3	459.2	460.7	460.7	461.2	458.3	459.2	461.7	459.7
25°	446.5	443.6	444.6	446.5	448.0	448.0	449.0	446.0	447.5	449.9	448.0
27.5°	431.9	430.4	430.4	432.3	433.3	434.3	434.8	432.3	434.3	436.7	435.3
30°	416.7	414.7	415.7	418.2	418.2	420.1	420.1	418.2	420.6	423.5	422.6
32.5°	400.6	399.1	399.6	402.5	402.5	405.0	404.5	403.5	405.9	409.4	408.4
35°	384.4	382.9	383.4	386.4	386.4	389.3	388.3	388.3	390.8	394.7	393.7
37.5°	367.3	366.3	366.8	369.7	369.7	372.7	371.7	372.2	375.1	379.5	379.0
40°	349.7	348.7	349.7	352.1	353.1	355.6	354.6	355.6	359.5	363.4	364.9
42.5°	331.6	331.1	332.1	334.5	335.5	338.0	337.5	338.9	342.8	348.7	350.7
45°	313.0	313.0	314.0	316.4	317.4	320.3	319.9	321.8	326.7	333.1	336.5
47.5°	294.4	294.9	295.4	298.3	298.3	303.2	301.8	304.7	311.1	318.4	322.3
50°	275.3	276.3	276.8	279.3	280.2	284.6	283.7	288.6	295.4	303.2	308.6
52.5°	256.3	257.3	258.2	260.2	261.2	266.5	265.6	271.9	280.2	288.6	294.4
55°	236.2	238.2	238.7	241.1	242.6	248.0	248.0	255.3	264.1	273.4	280.7
57.5°	216.7	218.6	219.1	222.0	224.0	230.4	231.3	239.6	249.4	258.7	267.5
60°	196.6	199.1	199.5	202.5	205.9	212.7	214.2	223.5	234.3	244.0	254.3
62.5°	176.6	179.0	180.0	182.9	188.3	195.1	197.6	208.3	219.6	230.4	241.6
65°	156.5	158.9	160.4	164.3	170.7	178.0	181.4	192.7	205.4	216.7	228.4
67.5°	136.5	139.4	141.3	146.2	154.5	162.4	165.8	178.5	191.7	203.9	216.2
70°	116.9	119.8	122.3	128.6	138.4	146.2	150.6	164.3	178.0	191.2	204.9
72.5°	97.8	100.7	104.2	112.0	122.8	131.6	136.5	150.6	165.8	179.0	193.2
75°	78.3	81.7	85.6	96.3	108.6	117.4	122.8	137.9	153.6	166.8	181.9
77.5°	60.6	64.1	69.9	80.7	94.4	104.2	110.0	126.2	142.3	155.5	171.2
80°	44.5	47.9	55.8	67.5	81.7	91.0	98.3	114.9	131.6	145.3	160.9
82.5°	30.3	33.7	43.0	55.8	70.9	80.2	87.1	104.7	121.3	135.5	151.1
85°	17.6	22.5	32.3	46.0	61.6	70.9	77.8	95.9	112.0	126.2	142.3
87.5°	7.8	13.7	24.5	38.1	53.8	62.6	69.9	86.6	103.7	117.9	134.0
90°	0.5	7.8	19.1	32.3	47.4	55.8	62.6	79.2	95.4	110.0	125.7
92.5°	1.0	5.4	15.7	27.9	42.1	50.4	57.2	72.9	88.0	103.2	118.4
95°	2.4	5.4	13.7	24.9	38.1	46.0	52.3	67.5	81.7	96.3	111.0
97.5°	3.9	5.9	13.2	23.5	35.2	42.5	48.4	62.6	76.8	90.0	104.7
100°	5.4	7.3	13.2	22.5	33.3	40.1	45.5	58.7	71.9	84.1	98.8
102.5°	6.8	8.8	14.2	22.5	32.3	38.1	43.5	55.8	68.0	79.2	92.9
105°	8.8	10.3	15.2	22.5	31.3	37.2	41.6	52.8	64.6	75.3	87.5
107.5°	10.8	11.7	16.1	23.0	31.3	36.2	40.6	50.9	61.6	71.4	83.1
110°	13.2	13.7	17.6	24.0	31.3	35.7	39.6	49.4	59.2	68.5	79.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	15.2	15.2	19.1	24.9	31.3	35.7	39.1	47.9	57.2	65.5	75.8
115°	17.6	17.6	20.5	25.9	31.8	35.7	39.1	47.4	55.8	63.1	72.9
117.5°	19.6	19.6	22.5	26.9	32.8	36.2	39.1	46.5	54.3	61.1	69.9
120°	21.5	21.5	23.5	27.9	33.3	36.7	39.1	46.0	52.8	59.7	67.5
122.5°	23.5	23.5	24.9	29.3	33.7	36.7	39.1	45.5	51.8	57.7	65.0
125°	25.4	25.4	26.4	30.3	34.7	37.2	39.6	45.5	51.4	56.2	63.6
127.5°	27.4	26.9	28.4	31.8	35.2	37.7	40.1	45.5	50.4	55.3	61.6
130°	28.9	28.4	30.3	32.8	36.2	38.1	40.1	45.0	49.9	54.3	59.7
132.5°	30.8	29.8	32.3	33.3	37.2	39.1	40.6	45.0	49.4	53.3	58.7
135°	32.3	31.3	33.7	34.7	37.7	39.6	41.1	45.0	48.9	52.8	57.2
137.5°	33.3	32.8	35.2	36.2	38.1	40.1	41.6	45.0	48.4	51.8	56.2
140°	33.7	33.3	35.2	37.2	38.1	40.1	41.1	44.5	47.9	50.9	54.8
142.5°	34.2	34.2	35.7	37.7	38.1	39.6	41.1	44.0	47.0	49.4	53.8
145°	34.2	34.2	35.7	38.1	38.6	39.1	40.1	43.0	45.5	47.9	51.8
147.5°	34.2	34.2	36.2	38.1	39.1	39.6	39.1	42.1	44.5	46.5	49.9
150°	34.2	34.2	36.2	38.1	39.6	40.1	39.6	41.1	43.0	45.0	47.9
152.5°	34.7	34.7	36.2	38.1	39.6	40.1	40.1	40.1	41.6	43.5	46.5
155°	34.7	35.2	36.2	39.1	40.1	40.6	40.6	40.6	40.1	42.1	44.5
157.5°	36.2	36.7	37.2	39.6	40.6	41.1	41.1	41.1	40.6	40.1	42.5
160°	37.7	38.1	38.6	40.6	41.6	42.1	42.1	42.1	41.1	40.6	40.6
162.5°	39.1	40.1	40.1	41.1	42.1	42.5	42.5	43.0	42.1	41.6	41.1
165°	41.1	41.6	41.6	42.1	43.0	43.5	43.0	43.5	43.0	42.5	42.1
167.5°	42.5	43.0	43.0	43.5	43.5	44.0	44.0	44.0	43.5	43.0	43.0
170°	44.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.0	43.0	43.0
172.5°	45.0	45.5	45.5	45.0	45.0	45.0	45.0	44.5	43.5	43.0	43.0
175°	45.5	46.0	46.0	45.5	45.0	45.0	45.0	44.5	43.5	43.0	43.0
177.5°	46.0	46.5	46.0	46.0	45.0	45.0	45.0	45.0	44.0	43.5	43.0
180°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0
2.5°	513.5	507.7	511.6	512.1	514.0	512.1	513.5	512.1	516.0	514.5
5°	511.6	506.2	509.6	510.1	512.6	510.1	512.6	511.6	516.5	515.0
7.5°	508.2	503.7	506.7	507.2	510.1	507.7	510.1	509.1	515.0	513.0
10°	503.3	499.8	502.8	503.3	506.2	503.7	505.7	504.7	511.1	508.2
12.5°	497.9	494.9	497.4	497.9	501.3	498.9	501.3	500.3	506.7	503.7
15°	490.1	488.6	491.0	492.0	495.4	493.5	495.9	494.9	501.8	497.9
17.5°	482.2	481.3	483.7	484.7	488.6	486.1	488.6	487.6	494.5	490.5
20°	472.4	472.0	474.4	475.9	479.3	476.8	479.8	478.8	486.1	482.2
22.5°	462.2	462.2	464.1	465.6	469.0	467.1	470.0	469.5	476.8	472.9
25°	450.9	451.4	453.4	455.3	459.2	457.8	460.2	460.2	467.1	462.2
27.5°	438.2	440.7	442.1	444.6	448.0	446.5	449.0	449.5	456.3	451.4
30°	425.0	428.4	429.9	432.8	435.8	435.8	438.2	439.2	446.0	441.1
32.5°	411.3	415.2	417.2	421.1	425.0	425.0	428.4	429.9	436.7	432.3
35°	397.6	403.0	405.4	410.3	414.2	414.7	418.2	420.1	427.0	422.6
37.5°	384.4	391.3	393.7	399.6	403.0	404.0	407.9	410.3	416.7	412.8
40°	370.7	379.0	382.0	388.3	391.3	393.2	397.1	400.1	405.9	402.5
42.5°	357.5	366.8	369.7	376.6	380.0	382.0	385.9	389.8	395.7	392.2
45°	344.3	354.6	358.0	365.3	368.3	371.2	375.6	379.0	384.4	381.5
47.5°	331.6	342.4	345.8	353.6	357.0	360.4	364.4	369.3	374.1	371.2
50°	318.4	329.6	334.0	342.4	345.3	349.2	354.1	358.5	363.4	360.9
52.5°	305.7	317.4	321.8	330.6	334.0	338.0	342.8	347.7	352.1	350.2
55°	292.0	304.7	309.6	318.9	322.3	326.2	331.6	337.0	340.9	339.4
57.5°	279.3	292.5	297.4	307.6	310.6	315.5	320.8	326.7	330.1	328.7
60°	266.5	279.8	285.6	295.9	299.3	304.2	309.6	315.9	318.9	317.9
62.5°	253.8	267.5	273.9	284.6	287.6	293.0	299.3	304.7	307.6	307.1
65°	242.1	255.3	262.6	273.4	276.3	282.2	288.1	293.9	296.9	296.9
67.5°	229.9	244.0	251.4	262.6	265.1	271.4	277.8	283.7	286.1	286.1
70°	218.6	232.3	240.6	251.9	254.3	260.2	267.0	273.4	275.3	275.8
72.5°	207.4	221.1	229.9	241.6	244.0	249.9	256.3	263.1	264.6	265.1
75°	196.6	210.3	219.1	230.8	233.3	239.2	246.0	252.4	254.3	254.8
77.5°	185.8	199.5	209.3	220.6	223.0	228.9	235.7	242.1	243.6	244.5
80°	176.1	189.3	198.6	210.8	213.2	219.1	225.5	231.8	232.8	234.3
82.5°	166.3	179.5	189.3	201.0	203.5	209.3	215.7	222.0	223.0	225.0
85°	157.0	170.2	180.0	191.2	194.2	199.5	206.4	212.3	213.2	214.7
87.5°	148.7	160.9	171.2	181.9	184.9	190.3	197.1	203.0	203.5	205.4
90°	139.9	152.1	162.4	173.1	176.1	181.0	187.8	193.7	194.7	196.1
92.5°	132.5	143.8	154.5	164.8	167.3	172.6	179.0	184.9	185.8	187.3
95°	124.7	136.0	146.7	156.5	158.9	164.3	170.2	176.1	177.0	178.5
97.5°	117.9	128.6	138.9	148.7	151.1	156.0	162.4	167.8	168.7	170.7
100°	111.5	121.8	132.5	141.3	143.8	148.7	154.5	159.9	160.9	162.9
102.5°	105.6	115.4	125.7	134.0	136.9	141.3	147.2	152.1	153.1	154.5
105°	100.3	109.6	119.3	127.2	130.1	134.5	139.9	144.8	145.7	147.2
107.5°	94.9	103.7	113.0	120.8	123.2	127.2	132.5	137.4	138.4	140.4
110°	90.0	98.8	107.6	114.9	117.9	120.8	126.2	130.6	131.6	133.0





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	85.6	93.4	102.2	109.1	111.5	114.9	119.3	123.7	124.7	126.7
115°	81.7	89.0	97.8	104.2	106.1	109.1	114.0	117.9	118.8	120.3
117.5°	78.3	84.6	92.4	98.8	101.2	103.7	108.1	111.5	113.0	114.0
120°	75.3	81.2	88.0	93.9	96.8	98.8	102.7	106.1	107.6	108.6
122.5°	72.4	77.8	84.1	89.5	91.9	93.4	97.8	100.7	102.2	103.7
125°	69.9	74.8	80.7	85.1	87.5	89.0	92.9	95.9	97.3	98.3
127.5°	67.5	71.9	77.8	81.2	83.6	84.6	88.0	91.0	92.4	92.9
130°	65.0	69.4	74.3	77.8	79.7	81.2	84.1	86.1	87.5	88.0
132.5°	63.1	67.0	71.4	74.8	76.8	77.3	80.2	82.2	83.6	84.1
135°	61.6	64.6	69.0	71.9	73.4	74.3	76.8	78.3	79.7	80.2
137.5°	59.7	62.6	66.5	68.5	70.4	70.9	73.4	74.8	76.3	76.8
140°	58.2	60.6	64.1	66.0	68.0	68.0	69.9	71.4	72.9	72.9
142.5°	56.7	59.2	62.1	64.1	65.5	65.5	67.5	68.5	69.9	69.9
145°	54.8	57.2	60.2	61.6	63.1	63.1	64.6	65.5	67.0	67.0
147.5°	52.8	55.3	58.2	59.2	60.6	60.6	62.1	63.1	64.1	64.1
150°	50.4	52.3	55.8	57.2	58.7	58.7	59.7	60.6	61.6	61.6
152.5°	48.4	49.9	52.8	54.8	56.2	56.2	57.2	58.2	59.2	59.2
155°	46.0	47.4	49.9	52.3	53.8	54.3	55.3	55.8	56.7	56.7
157.5°	44.0	45.5	47.4	49.4	50.9	51.8	53.3	53.8	54.3	54.3
160°	41.6	42.5	44.5	46.5	47.9	48.9	51.4	51.8	52.3	52.3
162.5°	40.6	40.6	41.6	43.0	44.5	45.0	47.4	49.4	50.4	49.9
165°	41.1	40.6	40.6	41.1	42.1	42.5	44.0	47.0	47.9	47.4
167.5°	42.1	41.1	40.6	40.6	41.6	41.6	43.0	45.5	48.4	47.4
170°	42.1	40.6	39.6	39.6	40.1	40.1	41.1	42.5	45.5	46.0
172.5°	41.6	40.6	39.1	37.2	37.7	37.2	36.7	37.7	38.1	43.0
175°	42.1	40.6	39.1	36.7	35.7	34.2	31.8	29.8	29.3	24.0
177.5°	41.6	40.1	38.1	36.2	35.2	33.3	30.3	26.9	24.9	22.0
180°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6



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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	11.44	12.75	12.08	13.41	14.18	14.98	16.29	15.62	16.96	17.73
	3H	12.78	13.98	13.44	14.66	15.46	17.90	19.10	18.55	19.77	20.57
	4H	13.19	14.33	13.86	15.01	15.83	19.37	20.51	20.05	21.20	22.01
	6H	13.40	14.47	14.09	15.16	15.99	20.93	21.99	21.62	22.69	23.52
	8H	13.44	14.46	14.14	15.17	16.01	21.74	22.76	22.44	23.48	24.31
	12H	13.44	14.42	14.15	15.13	15.99	22.62	23.60	23.32	24.31	25.17
4H	2H	12.58	13.72	13.25	14.40	15.22	15.30	16.44	15.98	17.13	17.94
	3H	14.22	15.20	14.91	15.92	16.75	18.45	19.43	19.14	20.15	20.98
	4H	14.79	15.69	15.49	16.41	17.28	20.10	21.00	20.81	21.73	22.59
	6H	15.13	15.93	15.85	16.68	17.55	21.87	22.67	22.59	23.42	24.29
	8H	15.20	15.96	15.93	16.70	17.59	22.81	23.56	23.53	24.31	25.19
	12H	15.23	15.92	15.98	16.69	17.57	23.83	24.51	24.58	25.28	26.17
8H	4H	15.88	16.63	16.60	17.37	18.26	20.28	21.03	21.00	21.77	22.66
	6H	16.48	17.13	17.24	17.91	18.80	22.23	22.87	22.98	23.65	24.54
	8H	16.68	17.26	17.45	18.05	18.95	23.31	23.89	24.07	24.67	25.57
	12H	16.79	17.31	17.56	18.09	19.05	24.53	25.04	25.30	25.82	26.78
12H	4H	16.23	16.91	16.98	17.68	18.57	20.27	20.96	21.02	21.73	22.61
	6H	17.01	17.59	17.77	18.37	19.27	22.26	22.84	23.02	23.62	24.52
	8H	17.34	17.85	18.10	18.63	19.59	23.40	23.92	24.17	24.70	25.66