

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: P894997

Luminaire Tested: 8TMB-4SL-FLTU-UNV-L830

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894997
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-4SL-FLTU-UNV-L830
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 300
Light Source: -
Ballast/Driver: -

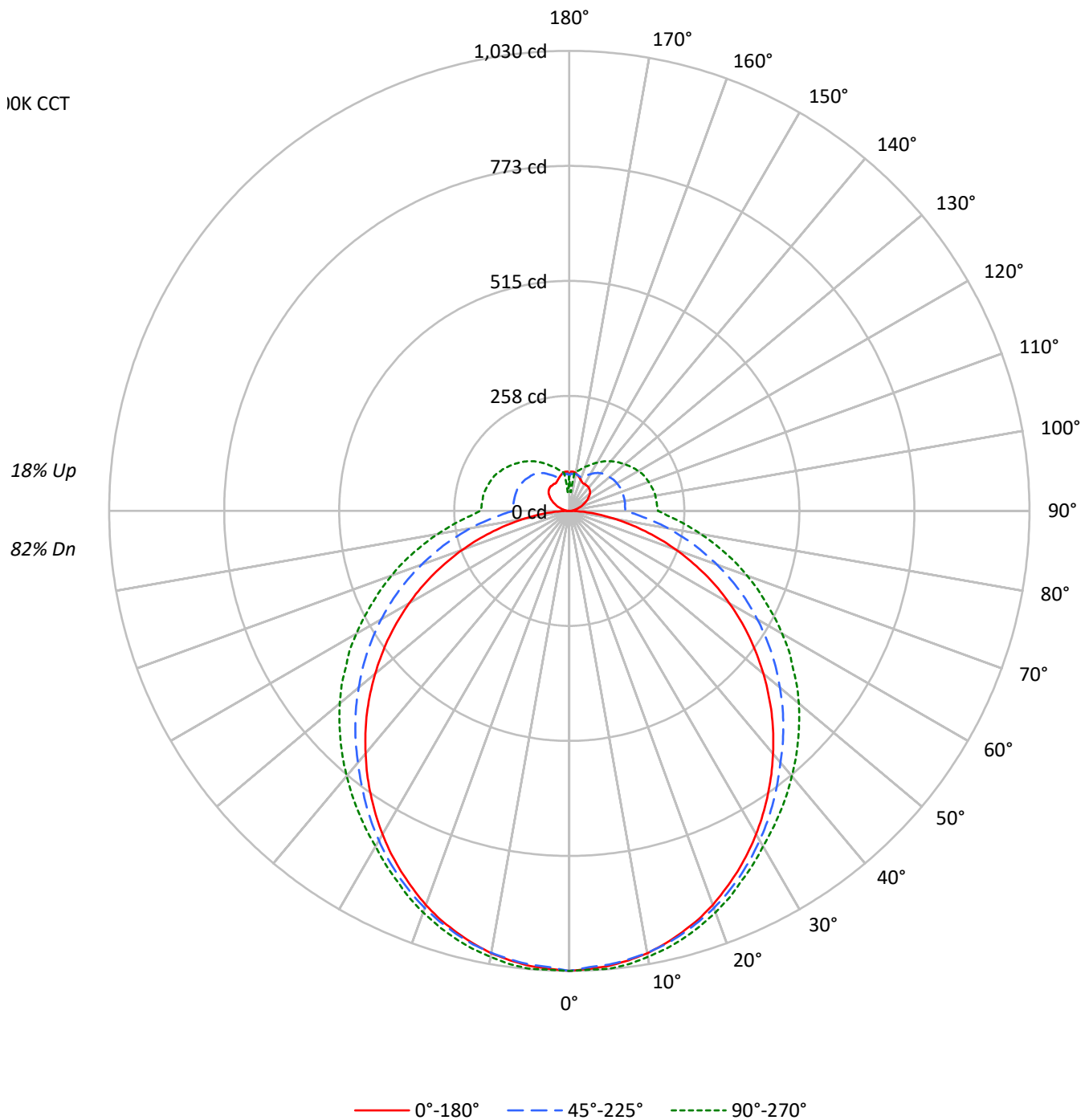
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3894.0 lumens
Efficiency: N/A
Efficacy: 141.1 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): 27.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4.5
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	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°	3655	3655	3655
5°	3634	3507	3498
10°	3606	3378	3331
15°	3562	3247	3173
20°	3511	3113	3012
25°	3445	2973	2848
30°	3375	2829	2699
35°	3297	2684	2577
40°	3215	2541	2459
45°	3133	2417	2348
50°	3036	2289	2240
55°	2934	2162	2119
60°	2810	2026	2004
65°	2663	1883	1874
70°	2467	1725	1753
75°	2197	1564	1622
80°	1842	1391	1488
85°	1386	1216	1365

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3133 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	2.5
10°-20°	277.8	7.1
20°-30°	417.4	10.7
30°-40°	501.2	12.9
40°-50°	527.0	13.5
50°-60°	495.2	12.7
60°-70°	411.7	10.6
70°-80°	293.8	7.5
80°-90°	174.9	4.5
90°-100°	126.6	3.3
100°-110°	124.9	3.2
110°-120°	117.3	3.0
120°-130°	104.0	2.7
130°-140°	86.2	2.2
140°-150°	64.5	1.7
150°-160°	42.4	1.1
160°-170°	24.1	0.6
170°-180°	7.7	0.2
0°-30°	792.6	20.4
0°-40°	1293.8	33.2
0°-60°	2316.0	59.5
0°-90°	3196.4	82.1
90°-120°	368.8	9.5
90°-150°	623.5	16.0
90°-180°	698.0	17.9
0°-180°	3894.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1022	1035	1020	1022	1029	97
15°	976	992	980	987	990	275
25°	891	908	903	912	913	410
35°	775	793	796	816	823	485
45°	641	658	677	712	724	494
55°	492	512	552	597	610	440
65°	335	362	420	472	485	331
75°	176	215	287	342	360	187
85°	44	97	168	225	244	48
90°	0	56	125	180	198	3
95°	5	58	125	178	197	5
105°	18	65	126	176	193	19
115°	35	70	125	168	185	35
125°	53	75	121	158	170	47
135°	65	79	115	144	154	50
145°	69	77	104	128	136	43
155°	70	78	88	108	115	33
165°	80	85	82	83	96	23
175°	88	88	83	70	42	8
180°	77	77	77	77	77	



TEST NUMBER: P894997
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0
2.5°	1026.3	1029.1	1030.0	1039.4	1035.7	1039.4	1032.9	1025.3	1023.4	1028.1	1022.5
5°	1022.5	1025.3	1026.3	1035.7	1031.9	1034.7	1029.1	1021.6	1019.7	1025.3	1019.7
7.5°	1015.0	1017.8	1018.7	1029.1	1024.4	1028.1	1021.6	1014.0	1013.1	1018.7	1013.1
10°	1005.6	1008.4	1009.3	1018.7	1015.0	1018.7	1012.2	1004.6	1003.7	1010.3	1004.6
12.5°	992.4	995.2	997.1	1006.5	1001.8	1006.5	999.0	991.5	992.4	998.0	994.3
15°	976.4	980.2	981.1	990.5	986.8	991.5	983.9	976.4	978.3	983.9	980.2
17.5°	959.5	963.2	964.2	972.6	968.9	974.5	966.1	959.5	961.4	967.0	964.2
20°	938.8	942.5	944.4	952.9	949.1	954.8	946.3	940.7	942.5	949.1	946.3
22.5°	915.3	920.9	921.9	931.3	926.6	932.2	923.7	919.0	921.9	928.4	925.6
25°	890.8	896.5	897.4	906.8	903.0	907.7	899.3	894.6	898.3	904.9	903.0
27.5°	864.5	870.1	872.0	880.5	876.7	882.3	872.9	870.1	873.9	880.5	878.6
30°	836.3	841.9	842.8	851.3	848.5	854.1	845.7	841.9	847.5	854.1	852.2
32.5°	806.2	811.8	814.6	822.1	819.3	824.0	816.5	814.6	819.3	825.9	825.0
35°	775.1	780.8	783.6	792.0	788.3	793.0	785.5	783.6	791.1	795.8	795.8
37.5°	743.1	748.8	751.6	760.1	755.4	761.0	753.5	752.5	761.0	765.7	765.7
40°	709.3	715.8	718.7	726.2	722.4	727.1	720.5	721.5	729.0	734.7	735.6
42.5°	675.4	682.0	684.8	693.3	688.6	693.3	687.6	688.6	697.0	702.7	707.4
45°	640.6	646.2	649.1	658.5	652.8	658.5	652.8	654.7	663.2	671.6	677.3
47.5°	603.9	609.6	614.3	621.8	617.1	621.8	618.0	620.8	631.2	639.7	647.2
50°	567.2	572.9	577.6	584.2	579.5	586.0	581.3	585.1	598.3	606.7	615.2
52.5°	529.6	534.3	541.8	545.6	541.8	549.3	545.6	551.2	564.4	574.7	584.2
55°	492.0	496.7	504.2	507.0	503.3	511.7	508.9	516.4	530.5	541.8	552.2
57.5°	453.4	458.1	464.7	467.5	464.7	474.1	473.2	481.6	495.7	508.0	519.2
60°	413.9	418.6	424.2	427.1	427.1	436.5	436.5	446.8	461.9	473.2	486.3
62.5°	375.3	378.1	383.8	387.6	390.4	399.8	399.8	411.1	427.1	440.2	453.4
65°	334.9	337.7	342.4	347.1	351.8	362.2	363.1	375.3	391.3	404.5	419.5
67.5°	294.4	297.3	302.0	307.6	314.2	324.5	326.4	339.6	356.5	371.6	385.7
70°	254.9	255.9	261.5	269.0	276.6	286.9	289.7	303.8	321.7	336.8	351.8
72.5°	215.4	216.4	222.0	231.4	239.9	251.2	254.9	270.0	287.8	302.9	317.9
75°	175.9	176.8	184.4	195.7	205.1	215.4	220.1	236.1	254.0	270.0	286.9
77.5°	138.3	140.2	147.7	159.0	170.3	182.5	187.2	203.2	222.9	238.0	254.0
80°	103.5	105.4	113.8	126.0	138.3	149.6	155.2	171.2	191.9	206.9	224.8
82.5°	71.5	74.3	84.7	97.8	110.1	122.3	127.9	143.0	161.8	178.7	195.7
85°	44.2	48.0	58.3	72.4	85.6	96.9	102.5	118.5	136.4	152.4	168.4
87.5°	20.7	26.3	36.7	50.8	64.9	74.3	80.9	96.9	113.8	129.8	145.8
90°	0.0	8.5	18.8	32.9	47.0	55.5	63.0	78.1	95.0	110.1	125.1
92.5°	1.9	9.4	20.7	33.9	48.0	56.4	64.0	79.0	95.0	110.1	125.1
95°	4.7	10.3	21.6	35.7	49.9	58.3	64.9	80.0	95.9	111.0	125.1
97.5°	8.5	13.2	24.5	37.6	51.7	59.3	66.8	81.8	96.9	111.9	126.0
100°	11.3	15.1	26.3	39.5	53.6	61.1	68.7	82.8	97.8	112.9	126.0
102.5°	14.1	18.8	29.2	41.4	55.5	63.0	69.6	83.7	98.8	112.9	126.0
105°	17.9	21.6	31.0	44.2	57.4	64.9	71.5	85.6	99.7	113.8	126.0
107.5°	21.6	24.5	33.9	46.1	59.3	65.8	72.4	86.5	100.7	113.8	126.0
110°	26.3	28.2	36.7	48.0	60.2	67.7	74.3	87.5	100.7	113.8	126.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	31.0	31.0	39.5	49.9	62.1	68.7	75.3	88.4	101.6	113.8	126.0
115°	34.8	35.7	42.3	51.7	64.0	70.5	76.2	88.4	101.6	113.8	125.1
117.5°	39.5	39.5	46.1	53.6	64.9	71.5	78.1	89.4	101.6	112.9	124.2
120°	44.2	43.3	48.9	56.4	66.8	72.4	79.0	90.3	101.6	112.9	123.2
122.5°	48.9	47.0	50.8	58.3	67.7	74.3	79.0	90.3	101.6	111.9	122.3
125°	52.7	50.8	53.6	61.1	69.6	75.3	80.0	90.3	101.6	111.0	121.3
127.5°	56.4	54.6	57.4	63.0	70.5	75.3	80.9	90.3	101.6	110.1	119.5
130°	60.2	57.4	61.1	64.9	72.4	76.2	80.9	90.3	100.7	109.1	117.6
132.5°	63.0	60.2	64.0	66.8	73.4	77.1	81.8	90.3	99.7	108.2	116.6
135°	64.9	62.1	66.8	68.7	75.3	79.0	82.8	90.3	98.8	107.2	114.8
137.5°	66.8	63.0	68.7	70.5	76.2	80.0	82.8	89.4	97.8	105.4	112.9
140°	67.7	64.9	70.5	72.4	75.3	79.0	82.8	88.4	95.9	103.5	110.1
142.5°	68.7	64.9	71.5	73.4	75.3	78.1	81.8	86.5	94.1	100.7	107.2
145°	68.7	65.8	71.5	73.4	75.3	77.1	80.0	85.6	91.2	96.9	103.5
147.5°	68.7	66.8	72.4	74.3	76.2	76.2	78.1	83.7	88.4	94.1	99.7
150°	69.6	66.8	72.4	74.3	77.1	77.1	78.1	80.9	86.5	90.3	95.0
152.5°	68.7	67.7	71.5	75.3	77.1	78.1	78.1	79.0	83.7	87.5	91.2
155°	69.6	69.6	72.4	77.1	78.1	78.1	79.0	78.1	80.0	83.7	87.5
157.5°	71.5	73.4	73.4	78.1	80.0	80.0	80.9	80.0	79.0	80.0	83.7
160°	74.3	76.2	76.2	79.0	81.8	81.8	82.8	81.8	80.9	80.0	80.0
162.5°	77.1	79.0	79.0	80.0	82.8	83.7	84.7	83.7	82.8	80.9	80.0
165°	80.0	81.8	81.8	81.8	83.7	84.7	85.6	84.7	84.7	82.8	81.8
167.5°	82.8	84.7	84.7	83.7	84.7	85.6	86.5	85.6	85.6	84.7	82.8
170°	85.6	87.5	87.5	85.6	86.5	86.5	87.5	86.5	86.5	84.7	83.7
172.5°	87.5	89.4	88.4	87.5	87.5	87.5	87.5	86.5	85.6	83.7	83.7
175°	88.4	90.3	90.3	88.4	87.5	87.5	88.4	86.5	85.6	84.7	82.8
177.5°	88.4	90.3	90.3	88.4	88.4	87.5	88.4	87.5	87.5	85.6	83.7
180°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0	1030.0
2.5°	1026.3	1025.3	1019.7	1026.3	1026.3	1024.4	1031.9	1031.0	1030.0	1028.1
5°	1022.5	1021.6	1015.9	1022.5	1022.5	1021.6	1029.1	1030.0	1031.0	1029.1
7.5°	1016.9	1015.9	1010.3	1016.9	1016.9	1015.9	1024.4	1025.3	1026.3	1023.4
10°	1008.4	1007.5	1001.8	1008.4	1009.3	1008.4	1015.0	1015.9	1017.8	1014.0
12.5°	997.1	997.1	991.5	998.0	999.0	998.0	1004.6	1006.5	1008.4	1003.7
15°	983.0	983.9	979.2	985.8	986.8	986.8	993.3	994.3	997.1	990.5
17.5°	966.1	967.9	964.2	970.8	971.7	972.6	976.4	979.2	982.1	974.5
20°	948.2	949.1	946.3	952.0	953.8	952.9	957.6	961.4	964.2	956.7
22.5°	926.6	927.5	924.7	930.3	932.2	933.1	936.9	941.6	943.5	936.9
25°	902.1	905.9	904.0	909.6	911.5	911.5	915.3	920.0	922.8	913.4
27.5°	878.6	883.3	881.4	887.0	888.9	889.9	891.8	897.4	900.2	891.8
30°	852.2	857.9	856.9	862.6	864.5	863.5	867.3	872.9	876.7	867.3
32.5°	823.1	830.6	829.7	837.2	839.1	840.0	842.8	850.4	854.1	845.7
35°	794.9	803.3	804.3	812.7	815.6	816.5	820.3	827.8	831.5	823.1
37.5°	765.7	777.0	779.8	788.3	791.1	792.0	795.8	804.3	808.0	799.6
40°	737.5	750.7	754.4	761.9	764.8	767.6	770.4	778.9	783.6	775.1
42.5°	709.3	723.4	728.1	735.6	738.4	741.2	745.0	754.4	758.2	750.7
45°	680.1	695.2	700.8	708.3	712.1	714.9	718.7	727.1	731.8	724.3
47.5°	650.9	666.0	671.6	680.1	683.9	687.6	690.4	700.8	705.5	698.0
50°	619.9	636.8	643.4	650.9	656.6	659.4	663.2	672.6	677.3	670.7
52.5°	588.9	606.7	614.3	621.8	627.4	632.1	634.0	644.4	649.1	642.5
55°	556.9	574.7	583.2	591.7	597.3	603.0	604.8	615.2	619.9	610.5
57.5°	524.9	543.7	552.2	561.6	566.3	572.9	575.7	585.1	589.8	583.2
60°	492.9	510.8	521.1	529.6	536.2	541.8	543.7	554.1	558.8	550.3
62.5°	460.0	478.8	489.1	498.6	504.2	510.8	513.6	523.0	526.8	518.3
65°	426.1	444.9	456.2	464.7	472.2	477.9	479.7	490.1	493.8	485.4
67.5°	392.3	411.1	423.3	432.7	439.3	445.9	447.8	458.1	461.9	455.3
70°	359.3	378.1	390.4	401.7	406.4	413.0	415.8	425.2	428.9	423.3
72.5°	326.4	345.2	358.4	369.7	374.4	381.0	384.7	392.3	397.9	393.2
75°	294.4	313.2	326.4	337.7	342.4	349.0	352.7	360.3	364.0	360.3
77.5°	263.4	282.2	294.4	305.7	311.4	317.0	320.8	328.3	333.0	329.2
80°	233.3	252.1	264.3	274.7	280.3	286.0	289.7	298.2	302.0	299.1
82.5°	205.1	222.9	236.1	246.5	252.1	257.7	261.5	269.0	273.7	270.0
85°	179.7	197.5	209.8	220.1	224.8	230.5	234.2	241.8	245.5	243.6
87.5°	155.2	171.2	185.3	195.7	200.4	206.0	210.7	216.4	221.1	218.2
90°	136.4	150.5	163.7	174.0	179.7	185.3	191.0	196.6	200.4	198.5
92.5°	137.3	150.5	162.7	172.1	177.8	183.4	189.1	195.7	198.5	196.6
95°	137.3	150.5	162.7	172.1	177.8	183.4	189.1	195.7	198.5	196.6
97.5°	137.3	150.5	162.7	172.1	177.8	183.4	189.1	195.7	198.5	195.7
100°	137.3	150.5	162.7	172.1	177.8	182.5	188.1	194.7	197.5	195.7
102.5°	137.3	150.5	161.8	171.2	176.8	181.5	187.2	193.8	196.6	194.7
105°	137.3	149.6	161.8	170.3	175.9	180.6	186.3	191.9	194.7	192.8
107.5°	136.4	148.6	159.9	169.3	174.0	178.7	184.4	190.0	192.8	191.0
110°	136.4	147.7	159.0	167.4	172.1	176.8	182.5	188.1	191.0	189.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	135.5	146.7	158.0	165.6	170.3	175.0	179.7	186.3	189.1	187.2
115°	134.5	145.8	156.2	163.7	168.4	172.1	177.8	184.4	186.3	185.3
117.5°	133.6	143.9	154.3	161.8	166.5	170.3	175.0	180.6	183.4	182.5
120°	132.6	142.0	152.4	159.0	163.7	167.4	171.2	176.8	179.7	177.8
122.5°	130.8	140.2	150.5	157.1	160.9	164.6	168.4	173.1	175.9	175.0
125°	128.9	138.3	147.7	154.3	158.0	160.9	164.6	169.3	171.2	170.3
127.5°	127.0	136.4	144.9	150.5	155.2	158.0	160.9	165.6	167.4	166.5
130°	125.1	133.6	142.0	147.7	151.4	154.3	157.1	161.8	162.7	162.7
132.5°	123.2	130.8	139.2	144.9	148.6	150.5	153.3	157.1	159.0	158.0
135°	121.3	127.9	136.4	141.1	143.9	146.7	149.6	153.3	154.3	154.3
137.5°	118.5	125.1	132.6	137.3	140.2	142.0	144.9	148.6	149.6	149.6
140°	115.7	122.3	128.9	132.6	136.4	138.3	140.2	143.9	144.9	144.9
142.5°	112.9	118.5	125.1	128.9	132.6	133.6	136.4	139.2	140.2	140.2
145°	109.1	115.7	121.3	125.1	127.9	128.9	131.7	134.5	134.5	135.5
147.5°	104.4	110.1	117.6	120.4	123.2	124.2	127.0	128.9	129.8	129.8
150°	99.7	105.4	111.9	116.6	119.5	120.4	121.3	124.2	124.2	125.1
152.5°	95.0	99.7	106.3	111.0	114.8	115.7	116.6	118.5	118.5	119.5
155°	90.3	94.1	99.7	104.4	108.2	110.1	111.9	113.8	113.8	114.8
157.5°	86.5	90.3	95.0	98.8	101.6	104.4	107.2	109.1	109.1	109.1
160°	81.8	84.7	89.4	92.2	95.9	97.8	102.5	104.4	104.4	105.4
162.5°	79.0	80.0	82.8	85.6	88.4	90.3	95.0	99.7	99.7	100.7
165°	80.0	79.0	80.0	80.9	82.8	83.7	86.5	93.1	95.0	95.9
167.5°	81.8	79.0	79.0	79.0	80.9	80.9	83.7	87.5	94.1	92.2
170°	81.8	79.0	77.1	77.1	78.1	77.1	79.0	81.8	85.6	89.4
172.5°	82.8	80.0	77.1	73.4	74.3	73.4	71.5	71.5	72.4	84.7
175°	81.8	80.0	76.2	71.5	70.5	67.7	62.1	57.4	54.6	42.3
177.5°	80.9	78.1	75.3	71.5	69.6	66.8	60.2	52.7	45.2	43.3
180°	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1



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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	12.21	13.53	12.83	14.16	14.88	14.84	16.16	15.46	16.79	17.51
	3H	13.61	14.81	14.24	15.46	16.21	17.30	18.50	17.93	19.14	19.90
	4H	14.04	15.18	14.69	15.83	16.60	18.47	19.61	19.12	20.26	21.03
	6H	14.28	15.34	14.94	16.00	16.79	19.65	20.71	20.31	21.37	22.16
	8H	14.32	15.33	14.99	16.02	16.81	20.24	21.25	20.91	21.94	22.73
	12H	14.33	15.30	15.01	15.98	16.80	20.88	21.84	21.55	22.52	23.34
4H	2H	13.11	14.25	13.76	14.91	15.67	15.18	16.32	15.83	16.98	17.75
	3H	14.74	15.70	15.40	16.39	17.18	17.85	18.81	18.51	19.51	20.29
	4H	15.29	16.18	15.97	16.87	17.69	19.16	20.05	19.84	20.74	21.56
	6H	15.63	16.41	16.33	17.13	17.95	20.52	21.29	21.21	22.01	22.84
	8H	15.70	16.43	16.41	17.15	17.99	21.20	21.94	21.91	22.66	23.50
	12H	15.73	16.40	16.46	17.14	17.99	21.96	22.62	22.68	23.36	24.21
8H	4H	15.95	16.68	16.66	17.40	18.24	19.31	20.04	20.01	20.76	21.60
	6H	16.46	17.07	17.19	17.83	18.68	20.81	21.42	21.54	22.18	23.03
	8H	16.61	17.17	17.36	17.93	18.79	21.62	22.17	22.36	22.93	23.79
	12H	16.70	17.20	17.45	17.95	18.86	22.53	23.02	23.27	23.77	24.69
12H	4H	16.12	16.79	16.85	17.53	18.38	19.30	19.96	20.03	20.71	21.55
	6H	16.72	17.28	17.47	18.04	18.90	20.82	21.38	21.57	22.14	23.00
	8H	16.96	17.45	17.70	18.20	19.12	21.68	22.18	22.43	22.93	23.85