

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: P893629

Luminaire Tested: 4MB-5SL-FLTU-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893629
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: 4MB-5SL-FLTU-UNV-L930
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 300
Light Source: -
Ballast/Driver: -

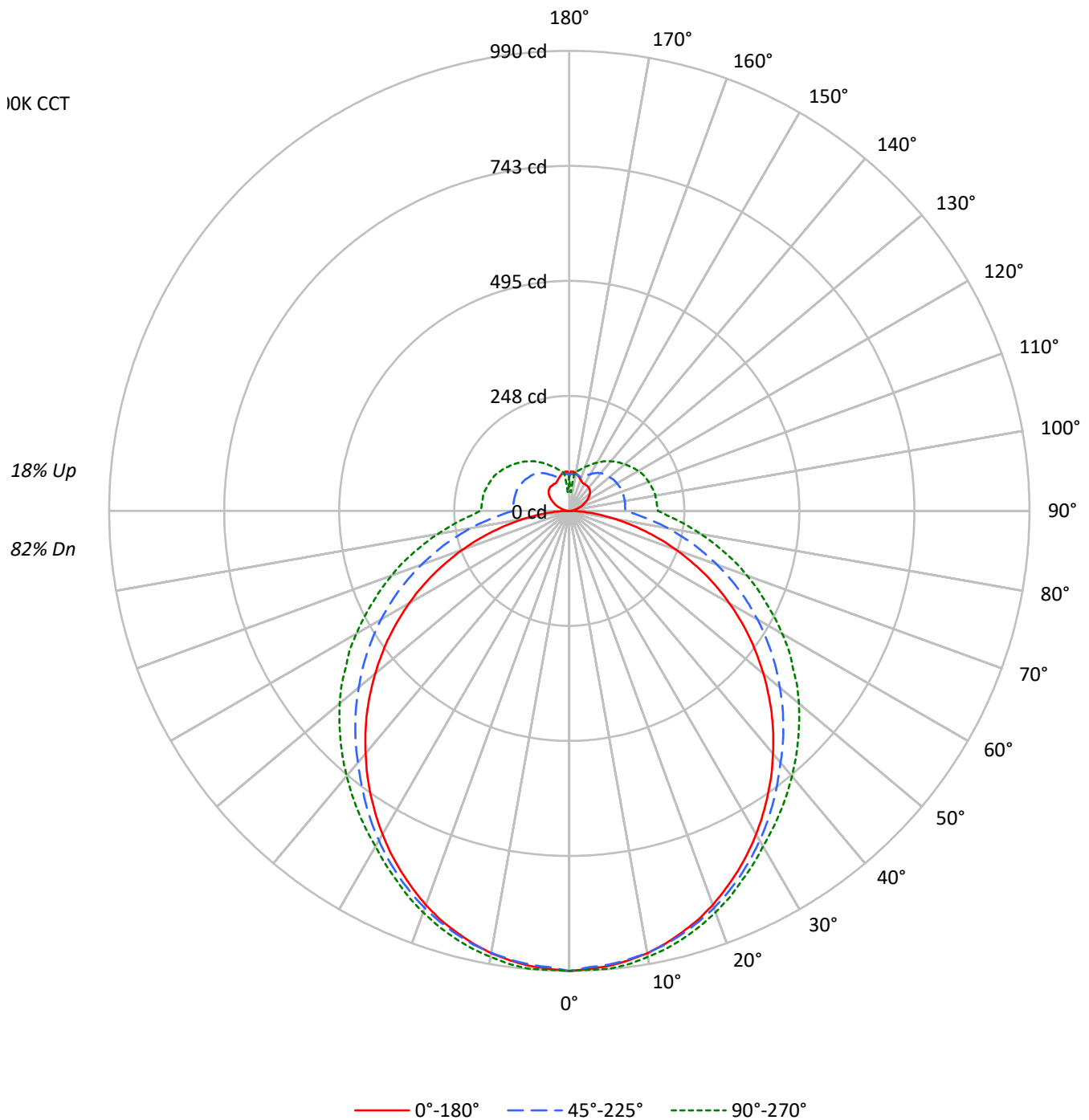
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3743.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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-FLTU-UNV-L930

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	0
RCR																		
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7045	7045	7045
5°	6988	6749	6742
10°	6920	6491	6422
15°	6817	6231	6115
20°	6705	5966	5805
25°	6562	5688	5490
30°	6410	5406	5203
35°	6243	5122	4967
40°	6066	4843	4741
45°	5888	4599	4526
50°	5680	4346	4317
55°	5458	4099	4084
60°	5190	3834	3862
65°	4872	3554	3612
70°	4456	3248	3379
75°	3889	2934	3126
80°	3143	2599	2868
85°	2171	2257	2632

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5888 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	2.5
10°-20°	267.0	7.1
20°-30°	401.2	10.7
30°-40°	481.8	12.9
40°-50°	506.6	13.5
50°-60°	476.0	12.7
60°-70°	395.8	10.6
70°-80°	282.4	7.5
80°-90°	168.1	4.5
90°-100°	121.7	3.3
100°-110°	120.1	3.2
110°-120°	112.8	3.0
120°-130°	99.9	2.7
130°-140°	82.8	2.2
140°-150°	62.0	1.7
150°-160°	40.8	1.1
160°-170°	23.1	0.6
170°-180°	7.4	0.2
0°-30°	761.9	20.4
0°-40°	1243.6	33.2
0°-60°	2226.2	59.5
0°-90°	3072.4	82.1
90°-120°	354.6	9.5
90°-150°	599.3	16.0
90°-180°	671.0	17.9
0°-180°	3743.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	983	995	980	983	989	93
15°	938	953	942	948	952	265
25°	856	872	868	876	878	394
35°	745	762	765	784	791	466
45°	616	633	651	684	696	475
55°	473	492	531	574	587	422
65°	322	348	403	454	467	318
75°	169	207	276	329	346	180
85°	42	93	162	216	234	46
90°	0	53	120	173	191	3
95°	4	56	120	171	189	5
105°	17	62	121	169	185	18
115°	34	68	120	162	178	33
125°	51	72	117	152	164	45
135°	62	76	110	138	148	48
145°	66	74	100	123	130	41
155°	67	75	84	104	110	31
165°	77	81	79	80	92	22
175°	85	84	80	68	41	8
180°	74	74	74	74	74	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1
2.5°	986.5	989.2	990.1	999.1	995.5	999.1	992.8	985.6	983.8	988.3	982.9
5°	982.9	985.6	986.5	995.5	991.9	994.6	989.2	981.9	980.1	985.6	980.1
7.5°	975.6	978.3	979.2	989.2	984.7	988.3	981.9	974.7	973.8	979.2	973.8
10°	966.6	969.3	970.2	979.2	975.6	979.2	972.9	965.7	964.8	971.1	965.7
12.5°	953.9	956.6	958.4	967.5	963.0	967.5	960.2	953.0	953.9	959.3	955.7
15°	938.5	942.2	943.1	952.1	948.5	953.0	945.8	938.5	940.4	945.8	942.2
17.5°	922.3	925.9	926.8	934.9	931.3	936.7	928.6	922.3	924.1	929.5	926.8
20°	902.4	906.0	907.8	915.9	912.3	917.8	909.6	904.2	906.0	912.3	909.6
22.5°	879.8	885.2	886.1	895.1	890.6	896.1	887.9	883.4	886.1	892.4	889.7
25°	856.3	861.7	862.6	871.6	868.0	872.5	864.4	859.9	863.5	869.8	868.0
27.5°	830.9	836.4	838.2	846.3	842.7	848.1	839.1	836.4	840.0	846.3	844.5
30°	803.8	809.2	810.2	818.3	815.6	821.0	812.9	809.2	814.7	821.0	819.2
32.5°	774.9	780.3	783.0	790.3	787.5	792.1	784.8	783.0	787.5	793.9	793.0
35°	745.1	750.5	753.2	761.3	757.7	762.2	755.0	753.2	760.4	764.9	764.9
37.5°	714.3	719.7	722.4	730.6	726.1	731.5	724.3	723.4	731.5	736.0	736.0
40°	681.8	688.1	690.8	698.0	694.4	698.9	692.6	693.5	700.7	706.2	707.1
42.5°	649.2	655.5	658.2	666.4	661.9	666.4	661.0	661.9	670.0	675.4	680.0
45°	615.8	621.2	623.9	632.9	627.5	632.9	627.5	629.3	637.5	645.6	651.0
47.5°	580.5	585.9	590.4	597.7	593.1	597.7	594.1	596.8	606.7	614.8	622.1
50°	545.2	550.7	555.2	561.5	557.0	563.3	558.8	562.4	575.1	583.2	591.3
52.5°	509.1	513.6	520.8	524.4	520.8	528.0	524.4	529.9	542.5	552.5	561.5
55°	472.9	477.4	484.6	487.4	483.7	491.9	489.2	496.4	510.0	520.8	530.8
57.5°	435.8	440.3	446.7	449.4	446.7	455.7	454.8	462.9	476.5	488.3	499.1
60°	397.8	402.4	407.8	410.5	410.5	419.5	419.5	429.5	444.0	454.8	467.5
62.5°	360.8	363.5	368.9	372.5	375.2	384.3	384.3	395.1	410.5	423.2	435.8
65°	321.9	324.6	329.1	333.6	338.2	348.1	349.0	360.8	376.1	388.8	403.3
67.5°	283.0	285.7	290.2	295.7	302.0	311.9	313.8	326.4	342.7	357.2	370.7
70°	245.0	245.9	251.4	258.6	265.8	275.8	278.5	292.1	309.2	323.7	338.2
72.5°	207.1	208.0	213.4	222.4	230.6	241.4	245.0	259.5	276.7	291.1	305.6
75°	169.1	170.0	177.2	188.1	197.1	207.1	211.6	227.0	244.1	259.5	275.8
77.5°	132.9	134.7	142.0	152.8	163.7	175.4	179.9	195.3	214.3	228.8	244.1
80°	99.5	101.3	109.4	121.2	132.9	143.8	149.2	164.6	184.5	198.9	216.1
82.5°	68.7	71.4	81.4	94.0	105.8	117.5	123.0	137.4	155.5	171.8	188.1
85°	42.5	46.1	56.1	69.6	82.3	93.1	98.6	113.9	131.1	146.5	161.8
87.5°	19.9	25.3	35.3	48.8	62.4	71.4	77.8	93.1	109.4	124.8	140.1
90°	0.0	8.1	18.1	31.6	45.2	53.3	60.6	75.0	91.3	105.8	120.3
92.5°	1.8	9.0	19.9	32.6	46.1	54.3	61.5	76.0	91.3	105.8	120.3
95°	4.5	9.9	20.8	34.4	47.9	56.1	62.4	76.9	92.2	106.7	120.3
97.5°	8.1	12.7	23.5	36.2	49.7	57.0	64.2	78.7	93.1	107.6	121.2
100°	10.9	14.5	25.3	38.0	51.5	58.8	66.0	79.6	94.0	108.5	121.2
102.5°	13.6	18.1	28.0	39.8	53.3	60.6	66.9	80.5	94.9	108.5	121.2
105°	17.2	20.8	29.8	42.5	55.2	62.4	68.7	82.3	95.8	109.4	121.2
107.5°	20.8	23.5	32.6	44.3	57.0	63.3	69.6	83.2	96.7	109.4	121.2
110°	25.3	27.1	35.3	46.1	57.9	65.1	71.4	84.1	96.7	109.4	121.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	29.8	29.8	38.0	47.9	59.7	66.0	72.3	85.0	97.7	109.4	121.2
115°	33.5	34.4	40.7	49.7	61.5	67.8	73.2	85.0	97.7	109.4	120.3
117.5°	38.0	38.0	44.3	51.5	62.4	68.7	75.0	85.9	97.7	108.5	119.4
120°	42.5	41.6	47.0	54.3	64.2	69.6	76.0	86.8	97.7	108.5	118.4
122.5°	47.0	45.2	48.8	56.1	65.1	71.4	76.0	86.8	97.7	107.6	117.5
125°	50.6	48.8	51.5	58.8	66.9	72.3	76.9	86.8	97.7	106.7	116.6
127.5°	54.3	52.4	55.2	60.6	67.8	72.3	77.8	86.8	97.7	105.8	114.8
130°	57.9	55.2	58.8	62.4	69.6	73.2	77.8	86.8	96.7	104.9	113.0
132.5°	60.6	57.9	61.5	64.2	70.5	74.1	78.7	86.8	95.8	104.0	112.1
135°	62.4	59.7	64.2	66.0	72.3	76.0	79.6	86.8	94.9	103.1	110.3
137.5°	64.2	60.6	66.0	67.8	73.2	76.9	79.6	85.9	94.0	101.3	108.5
140°	65.1	62.4	67.8	69.6	72.3	76.0	79.6	85.0	92.2	99.5	105.8
142.5°	66.0	62.4	68.7	70.5	72.3	75.0	78.7	83.2	90.4	96.7	103.1
145°	66.0	63.3	68.7	70.5	72.3	74.1	76.9	82.3	87.7	93.1	99.5
147.5°	66.0	64.2	69.6	71.4	73.2	73.2	75.0	80.5	85.0	90.4	95.8
150°	66.9	64.2	69.6	71.4	74.1	74.1	75.0	77.8	83.2	86.8	91.3
152.5°	66.0	65.1	68.7	72.3	74.1	75.0	75.0	76.0	80.5	84.1	87.7
155°	66.9	66.9	69.6	74.1	75.0	75.0	76.0	75.0	76.9	80.5	84.1
157.5°	68.7	70.5	70.5	75.0	76.9	76.9	77.8	76.9	76.0	76.9	80.5
160°	71.4	73.2	73.2	76.0	78.7	78.7	79.6	78.7	77.8	76.9	76.9
162.5°	74.1	76.0	76.0	76.9	79.6	80.5	81.4	80.5	79.6	77.8	76.9
165°	76.9	78.7	78.7	78.7	80.5	81.4	82.3	81.4	81.4	79.6	78.7
167.5°	79.6	81.4	81.4	80.5	81.4	82.3	83.2	82.3	82.3	81.4	79.6
170°	82.3	84.1	84.1	82.3	83.2	83.2	84.1	83.2	83.2	81.4	80.5
172.5°	84.1	85.9	85.0	84.1	84.1	84.1	84.1	83.2	82.3	80.5	80.5
175°	85.0	86.8	86.8	85.0	84.1	84.1	85.0	83.2	82.3	81.4	79.6
177.5°	85.0	86.8	86.8	85.0	85.0	84.1	85.0	84.1	84.1	82.3	80.5
180°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1
2.5°	986.5	985.6	980.1	986.5	986.5	984.7	991.9	991.0	990.1	988.3
5°	982.9	981.9	976.5	982.9	982.9	981.9	989.2	990.1	991.0	989.2
7.5°	977.4	976.5	971.1	977.4	977.4	976.5	984.7	985.6	986.5	983.8
10°	969.3	968.4	963.0	969.3	970.2	969.3	975.6	976.5	978.3	974.7
12.5°	958.4	958.4	953.0	959.3	960.2	959.3	965.7	967.5	969.3	964.8
15°	944.9	945.8	941.3	947.6	948.5	948.5	954.8	955.7	958.4	952.1
17.5°	928.6	930.4	926.8	933.1	934.0	934.9	938.5	941.3	944.0	936.7
20°	911.4	912.3	909.6	915.0	916.8	915.9	920.5	924.1	926.8	919.6
22.5°	890.6	891.5	888.8	894.2	896.1	897.0	900.6	905.1	906.9	900.6
25°	867.1	870.7	868.9	874.4	876.2	876.2	879.8	884.3	887.0	878.0
27.5°	844.5	849.0	847.2	852.7	854.5	855.4	857.2	862.6	865.3	857.2
30°	819.2	824.6	823.7	829.1	830.9	830.0	833.7	839.1	842.7	833.7
32.5°	791.2	798.4	797.5	804.7	806.5	807.4	810.2	817.4	821.0	812.9
35°	764.0	772.2	773.1	781.2	783.9	784.8	788.5	795.7	799.3	791.2
37.5°	736.0	746.9	749.6	757.7	760.4	761.3	764.9	773.1	776.7	768.6
40°	708.9	721.5	725.2	732.4	735.1	737.8	740.5	748.7	753.2	745.1
42.5°	681.8	695.3	699.8	707.1	709.8	712.5	716.1	725.2	728.8	721.5
45°	653.7	668.2	673.6	680.9	684.5	687.2	690.8	698.9	703.5	696.2
47.5°	625.7	640.2	645.6	653.7	657.3	661.0	663.7	673.6	678.1	670.9
50°	595.9	612.1	618.5	625.7	631.1	633.8	637.5	646.5	651.0	644.7
52.5°	566.0	583.2	590.4	597.7	603.1	607.6	609.4	619.4	623.9	617.6
55°	535.3	552.5	560.6	568.7	574.2	579.6	581.4	591.3	595.9	586.8
57.5°	504.5	522.6	530.8	539.8	544.3	550.7	553.4	562.4	566.9	560.6
60°	473.8	491.0	500.9	509.1	515.4	520.8	522.6	532.6	537.1	529.0
62.5°	442.1	460.2	470.2	479.2	484.6	491.0	493.7	502.7	506.3	498.2
65°	409.6	427.7	438.5	446.7	453.9	459.3	461.1	471.1	474.7	466.6
67.5°	377.0	395.1	406.9	415.9	422.3	428.6	430.4	440.3	444.0	437.6
70°	345.4	363.5	375.2	386.1	390.6	396.9	399.7	408.7	412.3	406.9
72.5°	313.8	331.8	344.5	355.3	359.9	366.2	369.8	377.0	382.5	378.0
75°	283.0	301.1	313.8	324.6	329.1	335.5	339.1	346.3	349.9	346.3
77.5°	253.2	271.3	283.0	293.9	299.3	304.7	308.3	315.6	320.1	316.5
80°	224.2	242.3	254.1	264.0	269.4	274.9	278.5	286.6	290.2	287.5
82.5°	197.1	214.3	227.0	236.9	242.3	247.7	251.4	258.6	263.1	259.5
85°	172.7	189.9	201.6	211.6	216.1	221.5	225.1	232.4	236.0	234.2
87.5°	149.2	164.6	178.1	188.1	192.6	198.0	202.5	208.0	212.5	209.8
90°	131.1	144.7	157.3	167.3	172.7	178.1	183.6	189.0	192.6	190.8
92.5°	132.0	144.7	156.4	165.5	170.9	176.3	181.7	188.1	190.8	189.0
95°	132.0	144.7	156.4	165.5	170.9	176.3	181.7	188.1	190.8	189.0
97.5°	132.0	144.7	156.4	165.5	170.9	176.3	181.7	188.1	190.8	188.1
100°	132.0	144.7	156.4	165.5	170.9	175.4	180.8	187.2	189.9	188.1
102.5°	132.0	144.7	155.5	164.6	170.0	174.5	179.9	186.3	189.0	187.2
105°	132.0	143.8	155.5	163.7	169.1	173.6	179.0	184.5	187.2	185.4
107.5°	131.1	142.9	153.7	162.8	167.3	171.8	177.2	182.6	185.4	183.6
110°	131.1	142.0	152.8	160.9	165.5	170.0	175.4	180.8	183.6	181.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	130.2	141.1	151.9	159.1	163.7	168.2	172.7	179.0	181.7	179.9
115°	129.3	140.1	150.1	157.3	161.8	165.5	170.9	177.2	179.0	178.1
117.5°	128.4	138.3	148.3	155.5	160.0	163.7	168.2	173.6	176.3	175.4
120°	127.5	136.5	146.5	152.8	157.3	160.9	164.6	170.0	172.7	170.9
122.5°	125.7	134.7	144.7	151.0	154.6	158.2	161.8	166.4	169.1	168.2
125°	123.9	132.9	142.0	148.3	151.9	154.6	158.2	162.8	164.6	163.7
127.5°	122.1	131.1	139.2	144.7	149.2	151.9	154.6	159.1	160.9	160.0
130°	120.3	128.4	136.5	142.0	145.6	148.3	151.0	155.5	156.4	156.4
132.5°	118.4	125.7	133.8	139.2	142.9	144.7	147.4	151.0	152.8	151.9
135°	116.6	123.0	131.1	135.6	138.3	141.1	143.8	147.4	148.3	148.3
137.5°	113.9	120.3	127.5	132.0	134.7	136.5	139.2	142.9	143.8	143.8
140°	111.2	117.5	123.9	127.5	131.1	132.9	134.7	138.3	139.2	139.2
142.5°	108.5	113.9	120.3	123.9	127.5	128.4	131.1	133.8	134.7	134.7
145°	104.9	111.2	116.6	120.3	123.0	123.9	126.6	129.3	129.3	130.2
147.5°	100.4	105.8	113.0	115.7	118.4	119.4	122.1	123.9	124.8	124.8
150°	95.8	101.3	107.6	112.1	114.8	115.7	116.6	119.4	119.4	120.3
152.5°	91.3	95.8	102.2	106.7	110.3	111.2	112.1	113.9	113.9	114.8
155°	86.8	90.4	95.8	100.4	104.0	105.8	107.6	109.4	109.4	110.3
157.5°	83.2	86.8	91.3	94.9	97.7	100.4	103.1	104.9	104.9	104.9
160°	78.7	81.4	85.9	88.6	92.2	94.0	98.6	100.4	100.4	101.3
162.5°	76.0	76.9	79.6	82.3	85.0	86.8	91.3	95.8	95.8	96.7
165°	76.9	76.0	76.9	77.8	79.6	80.5	83.2	89.5	91.3	92.2
167.5°	78.7	76.0	76.0	76.0	77.8	77.8	80.5	84.1	90.4	88.6
170°	78.7	76.0	74.1	74.1	75.0	74.1	76.0	78.7	82.3	85.9
172.5°	79.6	76.9	74.1	70.5	71.4	70.5	68.7	68.7	69.6	81.4
175°	78.7	76.9	73.2	68.7	67.8	65.1	59.7	55.2	52.4	40.7
177.5°	77.8	75.0	72.3	68.7	66.9	64.2	57.9	50.6	43.4	41.6
180°	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1



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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	14.47	15.79	15.08	16.42	17.14	17.02	18.34	17.63	18.97	19.69
	3H	15.87	17.07	16.50	17.71	18.47	19.45	20.65	20.07	21.29	22.04
	4H	16.30	17.44	16.95	18.09	18.86	20.59	21.72	21.23	22.38	23.15
	6H	16.54	17.59	17.20	18.26	19.04	21.72	22.78	22.38	23.45	24.23
	8H	16.58	17.59	17.25	18.28	19.07	22.28	23.29	22.95	23.98	24.77
	12H	16.59	17.56	17.27	18.24	19.06	22.86	23.83	23.54	24.51	25.33
4H	2H	15.36	16.49	16.01	17.15	17.92	17.37	18.50	18.02	19.16	19.93
	3H	16.98	17.95	17.64	18.64	19.43	20.00	20.96	20.66	21.66	22.45
	4H	17.53	18.42	18.21	19.12	19.93	21.29	22.17	21.97	22.87	23.69
	6H	17.87	18.65	18.57	19.37	20.20	22.60	23.38	23.30	24.10	24.93
	8H	17.95	18.68	18.65	19.40	20.24	23.26	23.99	23.96	24.71	25.55
	12H	17.98	18.64	18.71	19.39	20.23	23.96	24.62	24.68	25.36	26.21
8H	4H	18.18	18.92	18.89	19.63	20.47	21.44	22.17	22.14	22.89	23.73
	6H	18.69	19.31	19.42	20.07	20.91	22.90	23.51	23.63	24.27	25.12
	8H	18.84	19.40	19.59	20.16	21.02	23.67	24.23	24.42	24.99	25.85
	12H	18.93	19.43	19.68	20.18	21.10	24.54	25.03	25.28	25.78	26.70
12H	4H	18.35	19.01	19.07	19.75	20.60	21.43	22.09	22.16	22.84	23.68
	6H	18.95	19.50	19.69	20.26	21.12	22.91	23.47	23.66	24.23	25.09
	8H	19.18	19.67	19.93	20.43	21.34	23.74	24.24	24.49	24.99	25.91