

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: P893680

Luminaire Tested: 4MB-5SL-RNDU-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893680
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-5SL-RNDU-UNV-L950
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

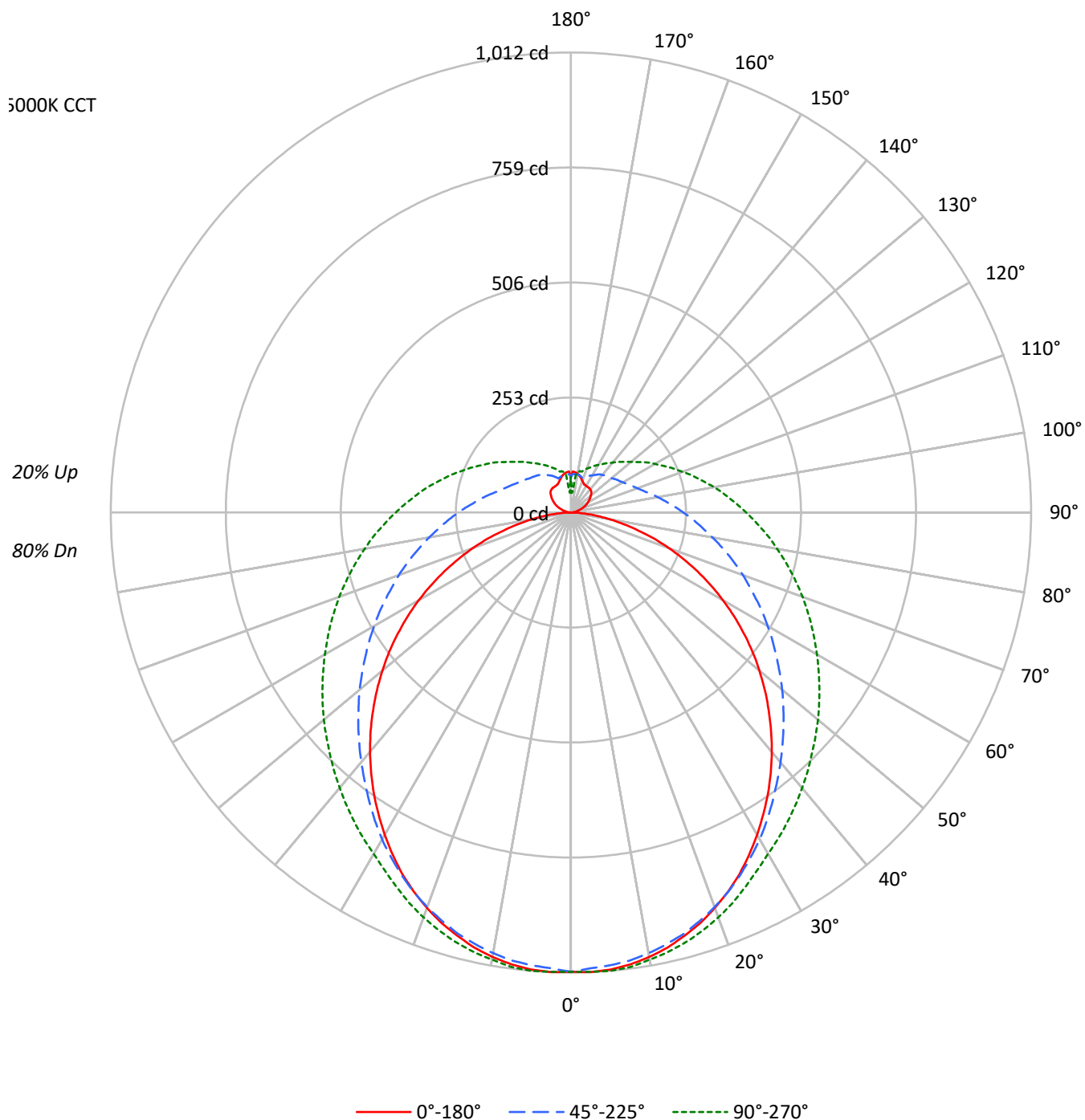
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4249.0 lumens
Efficiency: N/A
Efficacy: 121.4 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): 35
Input Voltage (V): 120
Input Current (Ain): 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-RNDU-UNV-L950

Luminous Intensity Polar Plot



TEST NUMBER: P893680

CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L950

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
RCR																				
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	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	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7188	7188	7188
5°	7175	6884	6898
10°	7108	6616	6580
15°	7003	6345	6285
20°	6877	6058	5983
25°	6725	5770	5679
30°	6530	5480	5411
35°	6330	5181	5213
40°	6114	4910	5033
45°	5882	4671	4873
50°	5638	4458	4750
55°	5359	4261	4642
60°	5041	4099	4562
65°	4656	3956	4516
70°	4177	3867	4501
75°	3537	3804	4521
80°	2764	3802	4593
85°	1767	3902	4743

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5882 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	2.2
10°-20°	272.5	6.4
20°-30°	409.2	9.6
30°-40°	492.0	11.6
40°-50°	521.3	12.3
50°-60°	502.0	11.8
60°-70°	444.3	10.5
70°-80°	364.4	8.6
80°-90°	282.8	6.7
90°-100°	219.5	5.2
100°-110°	173.9	4.1
110°-120°	138.5	3.3
120°-130°	110.1	2.6
130°-140°	85.9	2.0
140°-150°	63.3	1.5
150°-160°	41.8	1.0
160°-170°	24.1	0.6
170°-180°	7.7	0.2
0°-30°	777.3	18.3
0°-40°	1269.3	29.9
0°-60°	2292.7	54.0
0°-90°	3384.2	79.6
90°-120°	531.9	12.5
90°-150°	791.2	18.6
90°-180°	865.0	20.4
0°-180°	4249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1009	1010	1000	1007	1012	96
15°	964	965	959	974	978	272
25°	878	880	880	903	908	404
35°	756	765	774	814	830	472
45°	615	630	661	724	750	475
55°	464	487	552	633	667	415
65°	308	350	449	543	583	304
75°	154	231	358	458	501	164
85°	35	139	280	382	422	40
90°	1	110	247	346	385	3
95°	5	90	218	312	351	5
105°	17	73	172	256	289	19
115°	35	70	143	209	236	34
125°	50	73	125	172	193	45
135°	63	78	112	144	158	48
145°	67	77	102	124	132	42
155°	68	80	88	106	112	32
165°	81	86	83	83	93	23
175°	89	88	85	70	47	8
180°	78	78	78	78	78	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2
2.5°	1012.1	1011.2	1013.1	1015.0	1020.8	1013.1	1016.9	1006.4	1007.3	1008.3	1003.5
5°	1009.2	1006.4	1009.2	1011.2	1016.0	1010.2	1014.1	1002.5	1003.5	1005.4	999.6
7.5°	1002.5	999.6	1001.6	1003.5	1008.3	1002.5	1007.3	995.8	997.7	998.7	993.9
10°	992.9	989.1	991.0	993.9	997.7	992.9	996.7	986.2	987.1	989.1	984.3
12.5°	980.4	976.6	978.5	980.4	985.2	980.4	984.3	973.7	975.6	977.5	972.7
15°	964.1	960.2	962.1	964.1	967.9	965.0	968.9	958.3	960.2	964.1	959.3
17.5°	946.8	941.0	942.9	945.8	949.7	947.7	950.6	942.0	942.9	946.8	942.0
20°	925.6	919.9	921.8	924.7	928.5	927.5	929.5	921.8	923.7	928.5	923.7
22.5°	902.6	896.8	898.7	902.6	905.4	905.4	906.4	900.6	902.6	907.4	903.5
25°	877.6	871.8	873.7	877.6	880.4	880.4	882.4	876.6	879.5	884.3	880.4
27.5°	848.7	845.8	845.8	849.7	851.6	853.5	854.5	849.7	853.5	858.3	855.5
30°	818.9	815.1	817.0	821.8	821.8	825.7	825.7	821.8	826.6	832.4	830.5
32.5°	787.2	784.3	785.3	791.1	791.1	795.9	794.9	793.0	797.8	804.5	802.6
35°	755.5	752.6	753.6	759.3	759.3	765.1	763.2	763.2	768.0	775.7	773.8
37.5°	721.9	719.9	720.9	726.7	726.7	732.4	730.5	731.5	737.2	745.9	744.9
40°	687.2	685.3	687.2	692.1	694.0	698.8	696.9	698.8	706.5	714.2	717.0
42.5°	651.7	650.7	652.6	657.5	659.4	664.2	663.2	666.1	673.8	685.3	689.2
45°	615.2	615.2	617.1	621.9	623.8	629.6	628.6	632.5	642.1	654.6	661.3
47.5°	578.6	579.6	580.6	586.3	586.3	595.9	593.1	598.8	611.3	625.7	633.4
50°	541.1	543.1	544.0	548.8	550.8	559.4	557.5	567.1	580.6	595.9	606.5
52.5°	503.7	505.6	507.5	511.4	513.3	523.8	521.9	534.4	550.8	567.1	578.6
55°	464.3	468.1	469.1	473.9	476.7	487.3	487.3	501.7	519.0	537.3	551.7
57.5°	425.8	429.7	430.6	436.4	440.2	452.7	454.6	471.0	490.2	508.5	525.8
60°	386.4	391.2	392.2	397.9	404.7	418.1	421.0	439.3	460.4	479.6	499.8
62.5°	347.0	351.8	353.7	359.5	370.1	383.5	388.3	409.5	431.6	452.7	474.8
65°	307.6	312.4	315.3	323.0	335.5	349.9	356.6	378.7	403.7	425.8	448.9
67.5°	268.2	273.9	277.8	287.4	303.7	319.1	325.8	350.8	376.8	400.8	424.8
70°	229.7	235.5	240.3	252.8	272.0	287.4	296.0	323.0	349.9	375.8	402.7
72.5°	192.2	198.0	204.7	220.1	241.3	258.6	268.2	296.0	325.8	351.8	379.7
75°	153.8	160.5	168.2	189.4	213.4	230.7	241.3	271.1	301.8	327.8	357.6
77.5°	119.2	125.9	137.4	158.6	185.5	204.7	216.3	248.0	279.7	305.7	336.4
80°	87.5	94.2	109.6	132.6	160.5	178.8	193.2	225.9	258.6	285.5	316.2
82.5°	59.6	66.3	84.6	109.6	139.4	157.6	171.1	205.7	238.4	266.2	297.0
85°	34.6	44.2	63.4	90.4	121.1	139.4	152.8	188.4	220.1	248.0	279.7
87.5°	15.4	26.9	48.1	75.0	105.7	123.0	137.4	170.1	203.8	231.6	263.4
90°	1.0	15.4	37.5	63.4	93.2	109.6	123.0	155.7	187.4	216.3	247.0
92.5°	1.9	10.6	30.8	54.8	82.7	99.0	112.5	143.2	173.0	202.8	232.6
95°	4.8	10.6	26.9	49.0	75.0	90.4	102.8	132.6	160.5	189.4	218.2
97.5°	7.7	11.5	26.0	46.1	69.2	83.6	95.2	123.0	150.9	176.9	205.7
100°	10.6	14.4	26.0	44.2	65.4	78.8	89.4	115.3	141.3	165.3	194.2
102.5°	13.5	17.3	27.9	44.2	63.4	75.0	85.5	109.6	133.6	155.7	182.6
105°	17.3	20.2	29.8	44.2	61.5	73.1	81.7	103.8	126.9	148.0	172.1
107.5°	21.1	23.1	31.7	45.2	61.5	71.1	79.8	100.0	121.1	140.3	163.4
110°	26.0	26.9	34.6	47.1	61.5	70.2	77.9	97.1	116.3	134.6	155.7

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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	37.5	49.0	61.5	70.2	76.9	94.2	112.5	128.8	149.0
115°	34.6	34.6	40.4	50.9	62.5	70.2	76.9	93.2	109.6	124.0	143.2
117.5°	38.4	38.4	44.2	52.9	64.4	71.1	76.9	91.3	106.7	120.1	137.4
120°	42.3	42.3	46.1	54.8	65.4	72.1	76.9	90.4	103.8	117.3	132.6
122.5°	46.1	46.1	49.0	57.7	66.3	72.1	76.9	89.4	101.9	113.4	127.8
125°	50.0	50.0	51.9	59.6	68.2	73.1	77.9	89.4	100.9	110.5	125.0
127.5°	53.8	52.9	55.7	62.5	69.2	74.0	78.8	89.4	99.0	108.6	121.1
130°	56.7	55.7	59.6	64.4	71.1	75.0	78.8	88.4	98.0	106.7	117.3
132.5°	60.6	58.6	63.4	65.4	73.1	76.9	79.8	88.4	97.1	104.8	115.3
135°	63.4	61.5	66.3	68.2	74.0	77.9	80.7	88.4	96.1	103.8	112.5
137.5°	65.4	64.4	69.2	71.1	75.0	78.8	81.7	88.4	95.2	101.9	110.5
140°	66.3	65.4	69.2	73.1	75.0	78.8	80.7	87.5	94.2	100.0	107.7
142.5°	67.3	67.3	70.2	74.0	75.0	77.9	80.7	86.5	92.3	97.1	105.7
145°	67.3	67.3	70.2	75.0	75.9	76.9	78.8	84.6	89.4	94.2	101.9
147.5°	67.3	67.3	71.1	75.0	76.9	77.9	76.9	82.7	87.5	91.3	98.0
150°	67.3	67.3	71.1	75.0	77.9	78.8	77.9	80.7	84.6	88.4	94.2
152.5°	68.2	68.2	71.1	75.0	77.9	78.8	78.8	78.8	81.7	85.5	91.3
155°	68.2	69.2	71.1	76.9	78.8	79.8	79.8	79.8	78.8	82.7	87.5
157.5°	71.1	72.1	73.1	77.9	79.8	80.7	80.7	80.7	79.8	78.8	83.6
160°	74.0	75.0	75.9	79.8	81.7	82.7	82.7	82.7	80.7	79.8	79.8
162.5°	76.9	78.8	78.8	80.7	82.7	83.6	83.6	84.6	82.7	81.7	80.7
165°	80.7	81.7	81.7	82.7	84.6	85.5	84.6	85.5	84.6	83.6	82.7
167.5°	83.6	84.6	84.6	85.5	85.5	86.5	86.5	86.5	85.5	84.6	84.6
170°	86.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	86.5	84.6	84.6
172.5°	88.4	89.4	89.4	88.4	88.4	88.4	88.4	87.5	85.5	84.6	84.6
175°	89.4	90.4	90.4	89.4	88.4	88.4	88.4	87.5	85.5	84.6	84.6
177.5°	90.4	91.3	90.4	90.4	88.4	88.4	88.4	88.4	86.5	85.5	84.6
180°	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2	1010.2
2.5°	1009.2	997.7	1005.4	1006.4	1010.2	1006.4	1009.2	1006.4	1014.1	1011.2
5°	1005.4	994.8	1001.6	1002.5	1007.3	1002.5	1007.3	1005.4	1015.0	1012.1
7.5°	998.7	990.0	995.8	996.7	1002.5	997.7	1002.5	1000.6	1012.1	1008.3
10°	989.1	982.3	988.1	989.1	994.8	990.0	993.9	991.9	1004.4	998.7
12.5°	978.5	972.7	977.5	978.5	985.2	980.4	985.2	983.3	995.8	990.0
15°	963.1	960.2	965.0	967.0	973.7	969.8	974.6	972.7	986.2	978.5
17.5°	947.7	945.8	950.6	952.5	960.2	955.4	960.2	958.3	971.8	964.1
20°	928.5	927.5	932.4	935.2	942.0	937.2	942.9	941.0	955.4	947.7
22.5°	908.3	908.3	912.2	915.0	921.8	917.9	923.7	922.7	937.2	929.5
25°	886.2	887.2	891.0	894.9	902.6	899.7	904.5	904.5	917.9	908.3
27.5°	861.2	866.0	868.9	873.7	880.4	877.6	882.4	883.3	896.8	887.2
30°	835.3	842.0	844.9	850.6	856.4	856.4	861.2	863.1	876.6	867.0
32.5°	808.4	816.0	819.9	827.6	835.3	835.3	842.0	844.9	858.3	849.7
35°	781.4	792.0	796.8	806.4	814.1	815.1	821.8	825.7	839.1	830.5
37.5°	755.5	768.9	773.8	785.3	792.0	793.9	801.6	806.4	818.9	811.2
40°	728.6	744.9	750.7	763.2	768.9	772.8	780.5	786.3	797.8	791.1
42.5°	702.6	720.9	726.7	740.1	746.8	750.7	758.4	766.1	777.6	770.9
45°	676.7	696.9	703.6	718.0	723.8	729.5	738.2	744.9	755.5	749.7
47.5°	651.7	672.8	679.6	694.9	701.7	708.4	716.1	725.7	735.3	729.5
50°	625.7	647.8	656.5	672.8	678.6	686.3	695.9	704.5	714.2	709.4
52.5°	600.7	623.8	632.5	649.8	656.5	664.2	673.8	683.4	692.1	688.2
55°	573.8	598.8	608.4	626.7	633.4	641.1	651.7	662.3	669.9	667.1
57.5°	548.8	574.8	584.4	604.6	610.4	620.0	630.5	642.1	648.8	645.9
60°	523.8	549.8	561.3	581.5	588.2	597.9	608.4	620.9	626.7	624.8
62.5°	498.9	525.8	538.3	559.4	565.2	575.8	588.2	598.8	604.6	603.6
65°	475.8	501.7	516.2	537.3	543.1	554.6	566.1	577.7	583.4	583.4
67.5°	451.8	479.6	494.0	516.2	521.0	533.5	546.0	557.5	562.3	562.3
70°	429.7	456.6	472.9	495.0	499.8	511.4	524.8	537.3	541.1	542.1
72.5°	407.5	434.5	451.8	474.8	479.6	491.2	503.7	517.1	520.0	521.0
75°	386.4	413.3	430.6	453.7	458.5	470.0	483.5	496.0	499.8	500.8
77.5°	365.3	392.2	411.4	433.5	438.3	449.8	463.3	475.8	478.7	480.6
80°	346.0	372.0	390.2	414.3	419.1	430.6	443.1	455.6	457.5	460.4
82.5°	326.8	352.8	372.0	395.0	399.9	411.4	423.9	436.4	438.3	442.1
85°	308.5	334.5	353.7	375.8	381.6	392.2	405.6	417.2	419.1	422.0
87.5°	292.2	316.2	336.4	357.6	363.3	373.9	387.4	398.9	399.9	403.7
90°	274.9	298.9	319.1	340.3	346.0	355.6	369.1	380.6	382.6	385.4
92.5°	260.5	282.6	303.7	323.9	328.7	339.3	351.8	363.3	365.3	368.1
95°	245.1	267.2	288.4	307.6	312.4	323.0	334.5	346.0	347.9	350.8
97.5°	231.6	252.8	273.0	292.2	297.0	306.6	319.1	329.7	331.6	335.5
100°	219.2	239.3	260.5	277.8	282.6	292.2	303.7	314.3	316.2	320.1
102.5°	207.6	226.8	247.0	263.4	269.1	277.8	289.3	298.9	300.9	303.7
105°	197.0	215.3	234.5	249.9	255.7	264.3	274.9	284.5	286.4	289.3
107.5°	186.5	203.8	222.0	237.4	242.2	249.9	260.5	270.1	272.0	275.9
110°	176.9	194.2	211.5	225.9	231.6	237.4	248.0	256.6	258.6	261.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	168.2	183.6	200.9	214.3	219.2	225.9	234.5	243.2	245.1	248.9
115°	160.5	174.9	192.2	204.7	208.6	214.3	224.0	231.6	233.6	236.5
117.5°	153.8	166.3	181.7	194.2	199.0	203.8	212.4	219.2	222.0	224.0
120°	148.0	159.6	173.0	184.5	190.3	194.2	201.8	208.6	211.5	213.4
122.5°	142.3	152.8	165.3	175.9	180.7	183.6	192.2	198.0	200.9	203.8
125°	137.4	147.1	158.6	167.2	172.1	174.9	182.6	188.4	191.3	193.2
127.5°	132.6	141.3	152.8	159.6	164.4	166.3	173.0	178.8	181.7	182.6
130°	127.8	136.5	146.1	152.8	156.7	159.6	165.3	169.2	172.1	173.0
132.5°	124.0	131.7	140.3	147.1	150.9	151.9	157.6	161.5	164.4	165.3
135°	121.1	126.9	135.5	141.3	144.2	146.1	150.9	153.8	156.7	157.6
137.5°	117.3	123.0	130.7	134.6	138.4	139.4	144.2	147.1	149.9	150.9
140°	114.4	119.2	125.9	129.8	133.6	133.6	137.4	140.3	143.2	143.2
142.5°	111.5	116.3	122.1	125.9	128.8	128.8	132.6	134.6	137.4	137.4
145°	107.7	112.5	118.2	121.1	124.0	124.0	126.9	128.8	131.7	131.7
147.5°	103.8	108.6	114.4	116.3	119.2	119.2	122.1	124.0	125.9	125.9
150°	99.0	102.8	109.6	112.5	115.3	115.3	117.3	119.2	121.1	121.1
152.5°	95.2	98.0	103.8	107.7	110.5	110.5	112.5	114.4	116.3	116.3
155°	90.4	93.2	98.0	102.8	105.7	106.7	108.6	109.6	111.5	111.5
157.5°	86.5	89.4	93.2	97.1	100.0	101.9	104.8	105.7	106.7	106.7
160°	81.7	83.6	87.5	91.3	94.2	96.1	100.9	101.9	102.8	102.8
162.5°	79.8	79.8	81.7	84.6	87.5	88.4	93.2	97.1	99.0	98.0
165°	80.7	79.8	79.8	80.7	82.7	83.6	86.5	92.3	94.2	93.2
167.5°	82.7	80.7	79.8	79.8	81.7	81.7	84.6	89.4	95.2	93.2
170°	82.7	79.8	77.9	77.9	78.8	78.8	80.7	83.6	89.4	90.4
172.5°	81.7	79.8	76.9	73.1	74.0	73.1	72.1	74.0	75.0	84.6
175°	82.7	79.8	76.9	72.1	70.2	67.3	62.5	58.6	57.7	47.1
177.5°	81.7	78.8	75.0	71.1	69.2	65.4	59.6	52.9	49.0	43.3
180°	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9

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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	13.78	15.09	14.42	15.76	16.53	17.33	18.64	17.97	19.30	20.07
	3H	15.13	16.33	15.79	17.00	17.81	20.25	21.44	20.90	22.12	22.92
	4H	15.54	16.68	16.21	17.36	18.18	21.72	22.86	22.39	23.55	24.36
	6H	15.75	16.81	16.44	17.51	18.34	23.28	24.34	23.97	25.04	25.87
	8H	15.79	16.80	16.48	17.52	18.35	24.09	25.11	24.79	25.82	26.66
	12H	15.79	16.77	16.49	17.48	18.34	24.97	25.94	25.67	26.66	27.52
4H	2H	14.92	16.06	15.60	16.75	17.56	17.65	18.79	18.32	19.47	20.29
	3H	16.57	17.54	17.26	18.27	19.10	20.80	21.78	21.49	22.50	23.33
	4H	17.14	18.04	17.84	18.76	19.62	22.45	23.35	23.15	24.07	24.94
	6H	17.48	18.28	18.20	19.03	19.89	24.22	25.02	24.94	25.77	26.63
	8H	17.55	18.30	18.28	19.05	19.93	25.15	25.91	25.88	26.65	27.54
	12H	17.58	18.26	18.33	19.03	19.92	26.18	26.86	26.92	27.63	28.52
8H	4H	18.22	18.97	18.95	19.72	20.60	22.62	23.37	23.35	24.12	25.00
	6H	18.83	19.47	19.59	20.26	21.14	24.57	25.21	25.33	26.00	26.89
	8H	19.03	19.61	19.79	20.39	21.29	25.66	26.24	26.42	27.02	27.92
	12H	19.14	19.66	19.91	20.44	21.39	26.87	27.39	27.64	28.17	29.13
12H	4H	18.58	19.26	19.32	20.03	20.92	22.62	23.30	23.37	24.07	24.96
	6H	19.35	19.93	20.12	20.72	21.62	24.60	25.18	25.37	25.97	26.87
	8H	19.68	20.20	20.45	20.98	21.94	25.75	26.27	26.52	27.05	28.00