

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: P893292

Luminaire Tested: 4MB-2SL-FLTU-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893292
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-2SL-FLTU-UNV-L850
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 500
Light Source: -
Ballast/Driver: -

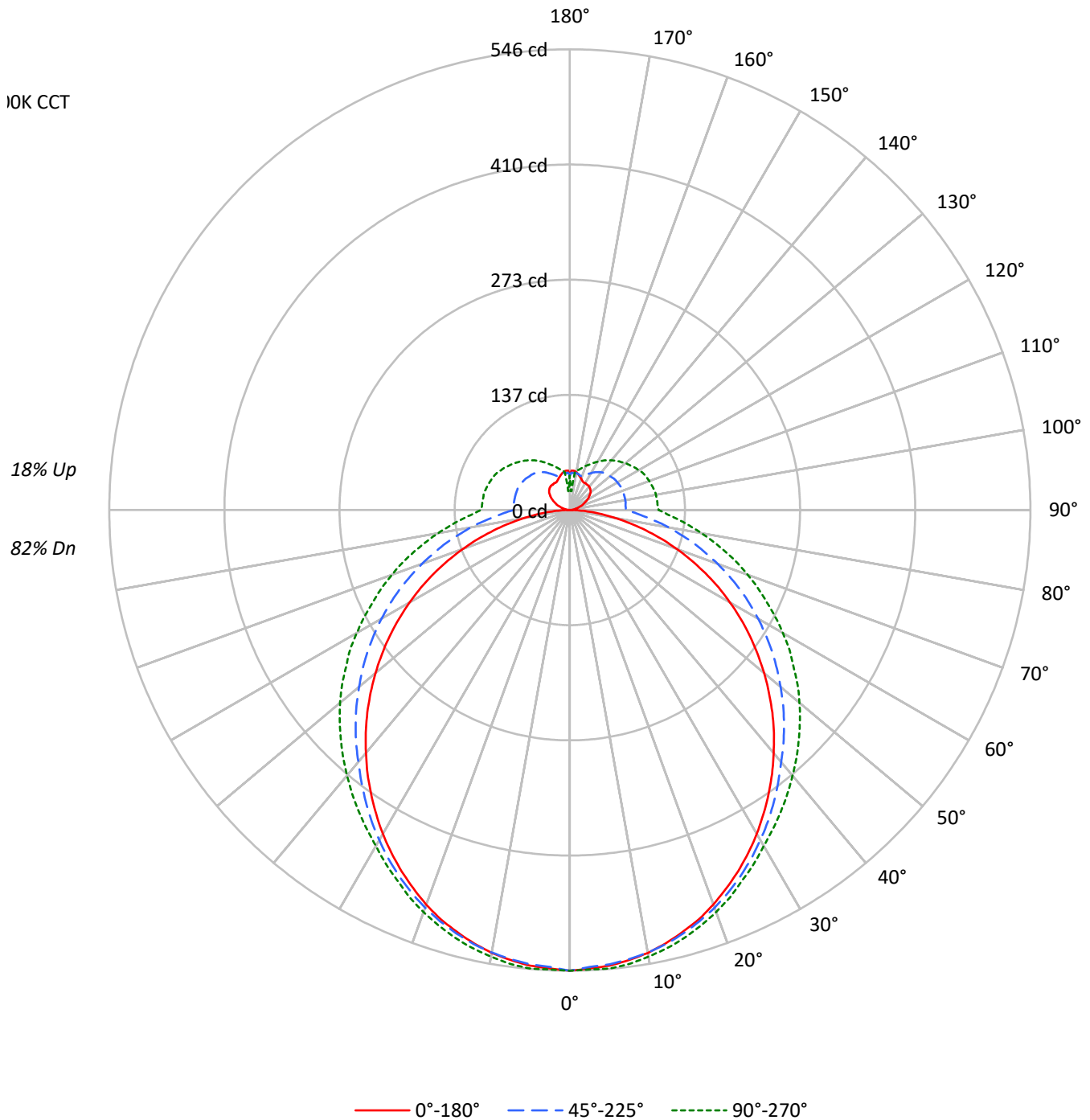
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2064.0 lumens
Efficiency: N/A
Efficacy: 149.6 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): 13.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.92
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-2SL-FLTU-UNV-L850

Luminous Intensity Polar Plot





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CATALOG NUMBER: 4MB-2SL-FLTU-UNV-L850

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°	3885	3885	3885
5°	3853	3722	3718
10°	3816	3579	3541
15°	3759	3436	3372
20°	3697	3290	3201
25°	3619	3137	3027
30°	3535	2981	2869
35°	3442	2824	2739
40°	3344	2670	2614
45°	3246	2536	2495
50°	3133	2397	2381
55°	3010	2260	2252
60°	2862	2114	2130
65°	2687	1960	1992
70°	2457	1791	1863
75°	2143	1618	1724
80°	1731	1433	1582
85°	1195	1244	1451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3246 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	2.5
10°-20°	147.3	7.1
20°-30°	221.2	10.7
30°-40°	265.7	12.9
40°-50°	279.3	13.5
50°-60°	262.5	12.7
60°-70°	218.2	10.6
70°-80°	155.7	7.5
80°-90°	92.7	4.5
90°-100°	67.1	3.3
100°-110°	66.2	3.2
110°-120°	62.2	3.0
120°-130°	55.1	2.7
130°-140°	45.7	2.2
140°-150°	34.2	1.7
150°-160°	22.5	1.1
160°-170°	12.8	0.6
170°-180°	4.1	0.2
0°-30°	420.1	20.4
0°-40°	685.8	33.2
0°-60°	1227.6	59.5
0°-90°	1694.2	82.1
90°-120°	195.5	9.5
90°-150°	330.5	16.0
90°-180°	370.0	17.9
0°-180°	2064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	546	546	546	546	546	
5°	542	548	540	542	546	51
15°	518	526	520	523	525	146
25°	472	481	479	483	484	218
35°	411	420	422	432	436	257
45°	340	349	359	377	384	262
55°	261	271	293	317	324	233
65°	178	192	222	250	257	176
75°	93	114	152	182	191	99
85°	23	51	89	119	129	26
90°	0	29	66	95	105	2
95°	2	31	66	94	104	3
105°	10	34	67	93	102	10
115°	18	37	66	89	98	18
125°	28	40	64	84	90	25
135°	34	42	61	76	82	27
145°	36	41	55	68	72	23
155°	37	41	46	57	61	17
165°	42	45	43	44	51	12
175°	47	46	44	37	22	4
180°	41	41	41	41	41	



TEST NUMBER: P893292
 CATALOG NUMBER: 4MB-2SL-FLTU-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0
2.5°	544.0	545.5	546.0	550.9	549.0	550.9	547.5	543.5	542.5	545.0	542.0
5°	542.0	543.5	544.0	549.0	547.0	548.5	545.5	541.5	540.5	543.5	540.5
7.5°	538.0	539.5	540.0	545.5	543.0	545.0	541.5	537.5	537.0	540.0	537.0
10°	533.0	534.5	535.0	540.0	538.0	540.0	536.5	532.5	532.0	535.5	532.5
12.5°	526.0	527.5	528.5	533.5	531.0	533.5	529.5	525.5	526.0	529.0	527.0
15°	517.5	519.5	520.0	525.0	523.0	525.5	521.5	517.5	518.5	521.5	519.5
17.5°	508.6	510.6	511.1	515.5	513.6	516.5	512.1	508.6	509.6	512.6	511.1
20°	497.6	499.6	500.6	505.1	503.1	506.1	501.6	498.6	499.6	503.1	501.6
22.5°	485.1	488.1	488.6	493.6	491.1	494.1	489.6	487.1	488.6	492.1	490.6
25°	472.2	475.2	475.7	480.6	478.7	481.1	476.7	474.2	476.2	479.6	478.7
27.5°	458.2	461.2	462.2	466.7	464.7	467.7	462.7	461.2	463.2	466.7	465.7
30°	443.3	446.2	446.7	451.2	449.7	452.7	448.2	446.2	449.2	452.7	451.7
32.5°	427.3	430.3	431.8	435.8	434.3	436.8	432.8	431.8	434.3	437.8	437.3
35°	410.8	413.8	415.3	419.8	417.8	420.3	416.3	415.3	419.3	421.8	421.8
37.5°	393.9	396.9	398.4	402.9	400.4	403.4	399.4	398.9	403.4	405.9	405.9
40°	375.9	379.4	380.9	384.9	382.9	385.4	381.9	382.4	386.4	389.4	389.9
42.5°	358.0	361.5	363.0	367.5	365.0	367.5	364.5	365.0	369.5	372.5	374.9
45°	339.5	342.5	344.0	349.0	346.0	349.0	346.0	347.0	351.5	356.0	359.0
47.5°	320.1	323.1	325.6	329.6	327.1	329.6	327.6	329.1	334.6	339.0	343.0
50°	300.7	303.6	306.1	309.6	307.1	310.6	308.1	310.1	317.1	321.6	326.1
52.5°	280.7	283.2	287.2	289.2	287.2	291.2	289.2	292.2	299.2	304.6	309.6
55°	260.8	263.3	267.2	268.7	266.7	271.2	269.7	273.7	281.2	287.2	292.7
57.5°	240.3	242.8	246.3	247.8	246.3	251.3	250.8	255.3	262.8	269.2	275.2
60°	219.4	221.9	224.9	226.4	226.4	231.3	231.3	236.8	244.8	250.8	257.8
62.5°	198.9	200.4	203.4	205.4	206.9	211.9	211.9	217.9	226.4	233.3	240.3
65°	177.5	179.0	181.5	184.0	186.5	192.0	192.5	198.9	207.4	214.4	222.4
67.5°	156.1	157.6	160.0	163.0	166.5	172.0	173.0	180.0	189.0	196.9	204.4
70°	135.1	135.6	138.6	142.6	146.6	152.1	153.6	161.0	170.5	178.5	186.5
72.5°	114.2	114.7	117.7	122.7	127.1	133.1	135.1	143.1	152.6	160.5	168.5
75°	93.2	93.7	97.7	103.7	108.7	114.2	116.7	125.1	134.6	143.1	152.1
77.5°	73.3	74.3	78.3	84.3	90.2	96.7	99.2	107.7	118.2	126.1	134.6
80°	54.8	55.8	60.3	66.8	73.3	79.3	82.3	90.7	101.7	109.7	119.2
82.5°	37.9	39.4	44.9	51.9	58.3	64.8	67.8	75.8	85.8	94.7	103.7
85°	23.4	25.4	30.9	38.4	45.4	51.4	54.3	62.8	72.3	80.8	89.2
87.5°	11.0	14.0	19.4	26.9	34.4	39.4	42.9	51.4	60.3	68.8	77.3
90°	0.0	4.5	10.0	17.5	24.9	29.4	33.4	41.4	50.4	58.3	66.3
92.5°	1.0	5.0	11.0	17.9	25.4	29.9	33.9	41.9	50.4	58.3	66.3
95°	2.5	5.5	11.5	18.9	26.4	30.9	34.4	42.4	50.9	58.8	66.3
97.5°	4.5	7.0	13.0	19.9	27.4	31.4	35.4	43.4	51.4	59.3	66.8
100°	6.0	8.0	14.0	20.9	28.4	32.4	36.4	43.9	51.9	59.8	66.8
102.5°	7.5	10.0	15.5	21.9	29.4	33.4	36.9	44.4	52.4	59.8	66.8
105°	9.5	11.5	16.5	23.4	30.4	34.4	37.9	45.4	52.9	60.3	66.8
107.5°	11.5	13.0	17.9	24.4	31.4	34.9	38.4	45.9	53.3	60.3	66.8
110°	14.0	15.0	19.4	25.4	31.9	35.9	39.4	46.4	53.3	60.3	66.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	16.5	16.5	20.9	26.4	32.9	36.4	39.9	46.9	53.8	60.3	66.8
115°	18.4	18.9	22.4	27.4	33.9	37.4	40.4	46.9	53.8	60.3	66.3
117.5°	20.9	20.9	24.4	28.4	34.4	37.9	41.4	47.4	53.8	59.8	65.8
120°	23.4	22.9	25.9	29.9	35.4	38.4	41.9	47.9	53.8	59.8	65.3
122.5°	25.9	24.9	26.9	30.9	35.9	39.4	41.9	47.9	53.8	59.3	64.8
125°	27.9	26.9	28.4	32.4	36.9	39.9	42.4	47.9	53.8	58.8	64.3
127.5°	29.9	28.9	30.4	33.4	37.4	39.9	42.9	47.9	53.8	58.3	63.3
130°	31.9	30.4	32.4	34.4	38.4	40.4	42.9	47.9	53.3	57.8	62.3
132.5°	33.4	31.9	33.9	35.4	38.9	40.9	43.4	47.9	52.9	57.3	61.8
135°	34.4	32.9	35.4	36.4	39.9	41.9	43.9	47.9	52.4	56.8	60.8
137.5°	35.4	33.4	36.4	37.4	40.4	42.4	43.9	47.4	51.9	55.8	59.8
140°	35.9	34.4	37.4	38.4	39.9	41.9	43.9	46.9	50.9	54.8	58.3
142.5°	36.4	34.4	37.9	38.9	39.9	41.4	43.4	45.9	49.9	53.3	56.8
145°	36.4	34.9	37.9	38.9	39.9	40.9	42.4	45.4	48.4	51.4	54.8
147.5°	36.4	35.4	38.4	39.4	40.4	40.4	41.4	44.4	46.9	49.9	52.9
150°	36.9	35.4	38.4	39.4	40.9	40.9	41.4	42.9	45.9	47.9	50.4
152.5°	36.4	35.9	37.9	39.9	40.9	41.4	41.4	41.9	44.4	46.4	48.4
155°	36.9	36.9	38.4	40.9	41.4	41.4	41.9	41.4	42.4	44.4	46.4
157.5°	37.9	38.9	38.9	41.4	42.4	42.4	42.9	42.4	41.9	42.4	44.4
160°	39.4	40.4	40.4	41.9	43.4	43.4	43.9	43.4	42.9	42.4	42.4
162.5°	40.9	41.9	41.9	42.4	43.9	44.4	44.9	44.4	43.9	42.9	42.4
165°	42.4	43.4	43.4	43.4	44.4	44.9	45.4	44.9	44.9	43.9	43.4
167.5°	43.9	44.9	44.9	44.4	44.9	45.4	45.9	45.4	45.4	44.9	43.9
170°	45.4	46.4	46.4	45.4	45.9	45.9	46.4	45.9	45.9	44.9	44.4
172.5°	46.4	47.4	46.9	46.4	46.4	46.4	46.4	45.9	45.4	44.4	44.4
175°	46.9	47.9	47.9	46.9	46.4	46.4	46.9	45.9	45.4	44.9	43.9
177.5°	46.9	47.9	47.9	46.9	46.4	46.4	46.9	46.4	46.4	45.4	44.4
180°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0
2.5°	544.0	543.5	540.5	544.0	544.0	543.0	547.0	546.5	546.0	545.0
5°	542.0	541.5	538.5	542.0	542.0	541.5	545.5	546.0	546.5	545.5
7.5°	539.0	538.5	535.5	539.0	539.0	538.5	543.0	543.5	544.0	542.5
10°	534.5	534.0	531.0	534.5	535.0	534.5	538.0	538.5	539.5	537.5
12.5°	528.5	528.5	525.5	529.0	529.5	529.0	532.5	533.5	534.5	532.0
15°	521.0	521.5	519.0	522.5	523.0	523.0	526.5	527.0	528.5	525.0
17.5°	512.1	513.1	511.1	514.6	515.0	515.5	517.5	519.0	520.5	516.5
20°	502.6	503.1	501.6	504.6	505.6	505.1	507.6	509.6	511.1	507.1
22.5°	491.1	491.6	490.1	493.1	494.1	494.6	496.6	499.1	500.1	496.6
25°	478.2	480.1	479.2	482.1	483.1	483.1	485.1	487.6	489.1	484.1
27.5°	465.7	468.2	467.2	470.2	471.2	471.7	472.7	475.7	477.2	472.7
30°	451.7	454.7	454.2	457.2	458.2	457.7	459.7	462.7	464.7	459.7
32.5°	436.3	440.3	439.8	443.8	444.7	445.2	446.7	450.7	452.7	448.2
35°	421.3	425.8	426.3	430.8	432.3	432.8	434.8	438.8	440.8	436.3
37.5°	405.9	411.8	413.3	417.8	419.3	419.8	421.8	426.3	428.3	423.8
40°	390.9	397.9	399.9	403.9	405.4	406.9	408.4	412.8	415.3	410.8
42.5°	375.9	383.4	385.9	389.9	391.4	392.9	394.9	399.9	401.9	397.9
45°	360.5	368.5	371.5	375.4	377.4	378.9	380.9	385.4	387.9	383.9
47.5°	345.0	353.0	356.0	360.5	362.5	364.5	366.0	371.5	373.9	370.0
50°	328.6	337.5	341.0	345.0	348.0	349.5	351.5	356.5	359.0	355.5
52.5°	312.1	321.6	325.6	329.6	332.6	335.1	336.1	341.5	344.0	340.5
55°	295.2	304.6	309.1	313.6	316.6	319.6	320.6	326.1	328.6	323.6
57.5°	278.2	288.2	292.7	297.7	300.2	303.6	305.1	310.1	312.6	309.1
60°	261.3	270.7	276.2	280.7	284.2	287.2	288.2	293.7	296.2	291.7
62.5°	243.8	253.8	259.3	264.3	267.2	270.7	272.2	277.2	279.2	274.7
65°	225.9	235.8	241.8	246.3	250.3	253.3	254.3	259.8	261.8	257.3
67.5°	207.9	217.9	224.4	229.4	232.8	236.3	237.3	242.8	244.8	241.3
70°	190.5	200.4	206.9	212.9	215.4	218.9	220.4	225.4	227.4	224.4
72.5°	173.0	183.0	190.0	195.9	198.4	201.9	203.9	207.9	210.9	208.4
75°	156.1	166.0	173.0	179.0	181.5	185.0	187.0	191.0	193.0	191.0
77.5°	139.6	149.6	156.1	162.0	165.0	168.0	170.0	174.0	176.5	174.5
80°	123.7	133.6	140.1	145.6	148.6	151.6	153.6	158.1	160.0	158.6
82.5°	108.7	118.2	125.1	130.6	133.6	136.6	138.6	142.6	145.1	143.1
85°	95.2	104.7	111.2	116.7	119.2	122.2	124.2	128.1	130.1	129.1
87.5°	82.3	90.7	98.2	103.7	106.2	109.2	111.7	114.7	117.2	115.7
90°	72.3	79.8	86.8	92.2	95.2	98.2	101.2	104.2	106.2	105.2
92.5°	72.8	79.8	86.3	91.2	94.2	97.2	100.2	103.7	105.2	104.2
95°	72.8	79.8	86.3	91.2	94.2	97.2	100.2	103.7	105.2	104.2
97.5°	72.8	79.8	86.3	91.2	94.2	97.2	100.2	103.7	105.2	103.7
100°	72.8	79.8	86.3	91.2	94.2	96.7	99.7	103.2	104.7	103.7
102.5°	72.8	79.8	85.8	90.7	93.7	96.2	99.2	102.7	104.2	103.2
105°	72.8	79.3	85.8	90.2	93.2	95.7	98.7	101.7	103.2	102.2
107.5°	72.3	78.8	84.8	89.7	92.2	94.7	97.7	100.7	102.2	101.2
110°	72.3	78.3	84.3	88.8	91.2	93.7	96.7	99.7	101.2	100.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	71.8	77.8	83.8	87.8	90.2	92.7	95.2	98.7	100.2	99.2
115°	71.3	77.3	82.8	86.8	89.2	91.2	94.2	97.7	98.7	98.2
117.5°	70.8	76.3	81.8	85.8	88.3	90.2	92.7	95.7	97.2	96.7
120°	70.3	75.3	80.8	84.3	86.8	88.8	90.7	93.7	95.2	94.2
122.5°	69.3	74.3	79.8	83.3	85.3	87.3	89.2	91.7	93.2	92.7
125°	68.3	73.3	78.3	81.8	83.8	85.3	87.3	89.7	90.7	90.2
127.5°	67.3	72.3	76.8	79.8	82.3	83.8	85.3	87.8	88.8	88.3
130°	66.3	70.8	75.3	78.3	80.3	81.8	83.3	85.8	86.3	86.3
132.5°	65.3	69.3	73.8	76.8	78.8	79.8	81.3	83.3	84.3	83.8
135°	64.3	67.8	72.3	74.8	76.3	77.8	79.3	81.3	81.8	81.8
137.5°	62.8	66.3	70.3	72.8	74.3	75.3	76.8	78.8	79.3	79.3
140°	61.3	64.8	68.3	70.3	72.3	73.3	74.3	76.3	76.8	76.8
142.5°	59.8	62.8	66.3	68.3	70.3	70.8	72.3	73.8	74.3	74.3
145°	57.8	61.3	64.3	66.3	67.8	68.3	69.8	71.3	71.3	71.8
147.5°	55.3	58.3	62.3	63.8	65.3	65.8	67.3	68.3	68.8	68.8
150°	52.9	55.8	59.3	61.8	63.3	63.8	64.3	65.8	65.8	66.3
152.5°	50.4	52.9	56.3	58.8	60.8	61.3	61.8	62.8	62.8	63.3
155°	47.9	49.9	52.9	55.3	57.3	58.3	59.3	60.3	60.3	60.8
157.5°	45.9	47.9	50.4	52.4	53.8	55.3	56.8	57.8	57.8	57.8
160°	43.4	44.9	47.4	48.9	50.9	51.9	54.3	55.3	55.3	55.8
162.5°	41.9	42.4	43.9	45.4	46.9	47.9	50.4	52.9	52.9	53.3
165°	42.4	41.9	42.4	42.9	43.9	44.4	45.9	49.4	50.4	50.9
167.5°	43.4	41.9	41.9	41.9	42.9	42.9	44.4	46.4	49.9	48.9
170°	43.4	41.9	40.9	40.9	41.4	40.9	41.9	43.4	45.4	47.4
172.5°	43.9	42.4	40.9	38.9	39.4	38.9	37.9	37.9	38.4	44.9
175°	43.4	42.4	40.4	37.9	37.4	35.9	32.9	30.4	28.9	22.4
177.5°	42.9	41.4	39.9	37.9	36.9	35.4	31.9	27.9	23.9	22.9
180°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9



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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	12.40	13.72	13.01	14.35	15.07	14.95	16.27	15.56	16.90	17.62
	3H	13.80	15.00	14.43	15.64	16.40	17.38	18.58	18.01	19.22	19.98
	4H	14.23	15.37	14.88	16.02	16.79	18.52	19.66	19.17	20.31	21.08
	6H	14.47	15.53	15.13	16.19	16.98	19.65	20.71	20.32	21.38	22.16
	8H	14.51	15.52	15.18	16.21	17.00	20.21	21.23	20.89	21.91	22.70
	12H	14.52	15.49	15.20	16.17	16.99	20.80	21.76	21.48	22.45	23.26
4H	2H	13.29	14.42	13.94	15.08	15.85	15.30	16.43	15.95	17.09	17.86
	3H	14.91	15.88	15.57	16.57	17.36	17.93	18.90	18.59	19.59	20.38
	4H	15.47	16.35	16.15	17.05	17.87	19.22	20.11	19.90	20.80	21.62
	6H	15.81	16.58	16.50	17.31	18.13	20.53	21.31	21.23	22.03	22.86
	8H	15.88	16.61	16.58	17.33	18.17	21.19	21.92	21.89	22.64	23.48
	12H	15.91	16.58	16.64	17.32	18.16	21.89	22.55	22.61	23.30	24.14
8H	4H	16.12	16.85	16.82	17.57	18.41	19.37	20.10	20.08	20.82	21.66
	6H	16.62	17.24	17.35	18.00	18.84	20.83	21.45	21.56	22.20	23.05
	8H	16.77	17.33	17.52	18.09	18.95	21.61	22.16	22.35	22.92	23.78
	12H	16.87	17.36	17.61	18.11	19.03	22.47	22.96	23.22	23.71	24.63
12H	4H	16.28	16.94	17.00	17.69	18.53	19.36	20.03	20.09	20.77	21.62
	6H	16.88	17.43	17.62	18.20	19.05	20.84	21.40	21.59	22.16	23.02
	8H	17.11	17.61	17.86	18.36	19.28	21.68	22.17	22.42	22.92	23.84