

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: P893331

Luminaire Tested: 4MB-2SL-RND-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-2SL-RND-UNV-L840
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

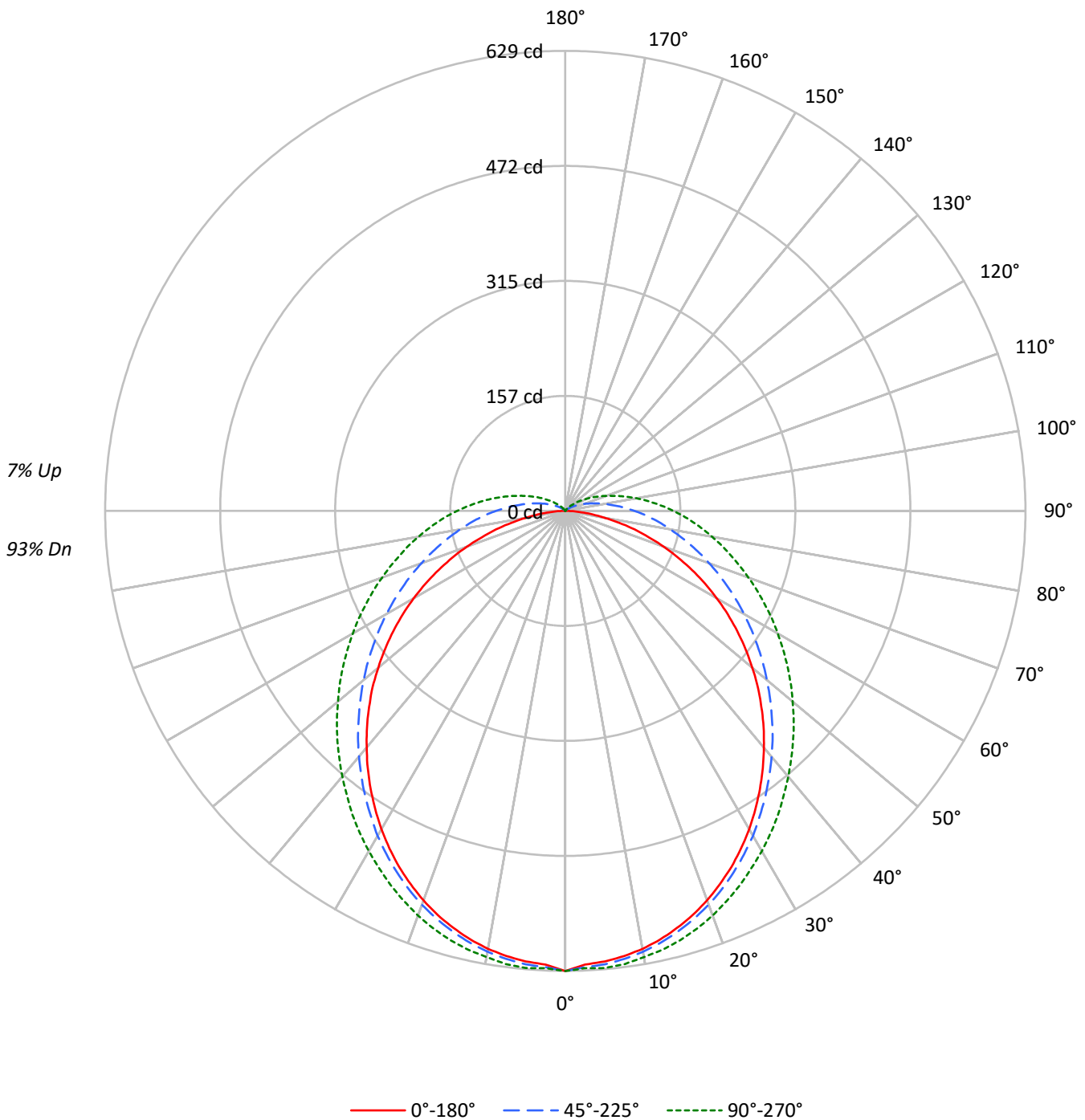
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2083.0 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: 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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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4477	4477	4477
5°	4417	4445	4480
10°	4393	4422	4475
15°	4348	4384	4476
20°	4291	4339	4458
25°	4217	4279	4433
30°	4130	4215	4413
35°	4028	4140	4405
40°	3923	4075	4403
45°	3815	4018	4434
50°	3695	3984	4491
55°	3560	3976	4598
60°	3405	4014	4771
65°	3216	4120	5056
70°	2981	4352	5542
75°	2694	4847	6430
80°	2278	5970	8350
85°	1845	9723	14311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 26343 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	2.9
10°-20°	169.5	8.1
20°-30°	253.9	12.2
30°-40°	302.7	14.5
40°-50°	313.9	15.1
50°-60°	291.3	14.0
60°-70°	243.0	11.7
70°-80°	181.2	8.7
80°-90°	120.6	5.8
90°-100°	73.4	3.5
100°-110°	41.0	2.0
110°-120°	20.5	1.0
120°-130°	8.6	0.4
130°-140°	2.7	0.1
140°-150°	0.7	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	482.9	23.2
0°-40°	785.6	37.7
0°-60°	1390.8	66.8
0°-90°	1935.6	92.9
90°-120°	134.9	6.5
90°-150°	146.9	7.1
90°-180°	147.0	7.1
0°-180°	2083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	629	629	629	629	629	
5°	618	633	622	626	627	59
15°	590	606	595	606	608	166
25°	537	551	545	560	565	247
35°	464	476	477	500	507	290
45°	379	389	399	431	441	293
55°	287	297	320	358	371	257
65°	191	206	245	286	300	189
75°	98	125	176	219	234	104
85°	23	62	119	160	175	25
90°	1	41	94	133	148	2
95°	0	25	73	109	122	0
105°	0	8	40	68	78	0
115°	0	2	19	38	45	0
125°	0	0	7	18	23	0
135°	0	0	2	6	8	0
145°	0	0	0	2	2	0
155°	1	1	0	0	0	0
165°	1	1	0	0	0	0
175°	1	1	1	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2
2.5°	620.8	621.8	630.7	630.2	628.7	634.6	636.1	631.2	623.3	631.2	624.3
5°	618.4	619.4	628.2	627.7	626.3	632.7	633.2	628.7	620.8	628.7	622.3
7.5°	614.0	614.9	623.8	623.3	622.3	628.7	628.2	624.8	616.4	624.8	617.9
10°	608.0	608.5	617.9	616.9	616.4	622.8	621.3	618.4	610.0	618.4	612.0
12.5°	600.2	600.7	610.0	609.0	609.0	614.9	613.0	610.5	602.1	610.0	604.6
15°	590.3	590.8	599.7	599.2	599.2	605.6	602.6	600.7	592.8	601.2	595.2
17.5°	579.5	579.0	588.4	587.4	588.4	594.3	590.3	589.3	582.0	589.8	584.9
20°	566.7	566.7	575.1	574.6	576.0	581.5	576.5	577.0	569.6	578.0	573.1
22.5°	552.4	551.9	560.3	560.3	561.8	567.2	561.8	563.2	555.9	563.7	559.8
25°	537.2	536.2	544.5	544.5	547.0	551.4	545.5	547.5	540.6	548.5	545.0
27.5°	520.4	518.9	527.3	527.8	529.8	534.2	527.8	530.8	524.3	531.7	529.3
30°	502.7	501.2	509.6	510.1	512.5	516.0	509.6	513.5	507.6	515.0	513.0
32.5°	483.5	482.5	490.4	491.4	493.8	496.3	490.4	494.3	489.4	496.8	494.8
35°	463.8	462.8	470.2	471.7	474.1	476.1	469.7	475.1	470.7	477.6	476.6
37.5°	443.6	442.1	450.0	451.0	453.9	454.9	449.0	455.4	451.5	458.4	457.9
40°	422.4	421.0	428.8	429.8	432.8	432.8	427.8	434.7	431.8	438.2	438.7
42.5°	401.3	399.8	406.7	408.6	411.1	411.1	406.2	413.6	411.6	418.0	419.5
45°	379.1	377.6	384.0	386.0	389.0	389.0	384.0	392.4	390.9	397.3	399.3
47.5°	357.4	355.5	361.4	363.4	366.3	365.8	361.9	370.2	369.8	376.2	379.6
50°	333.8	332.3	338.2	340.2	343.7	342.7	339.7	348.6	348.6	355.0	359.9
52.5°	310.7	309.2	315.1	317.1	320.0	320.0	317.1	326.4	327.9	334.3	340.2
55°	287.0	285.1	291.0	292.9	296.4	296.9	294.4	303.8	306.7	314.1	320.5
57.5°	263.4	262.4	267.3	269.3	273.7	273.7	272.3	282.1	286.1	293.9	301.3
60°	239.3	238.3	242.7	245.2	250.1	251.1	250.1	260.5	265.9	273.7	282.1
62.5°	215.2	214.2	218.6	222.0	227.5	228.4	228.9	239.8	245.7	254.1	263.4
65°	191.0	190.0	194.5	198.4	204.8	206.3	207.8	219.1	226.0	234.8	244.7
67.5°	166.9	166.4	170.8	175.8	182.7	184.6	187.1	198.9	206.8	216.1	227.0
70°	143.3	142.8	147.2	153.1	161.5	164.0	166.9	178.7	188.6	198.4	209.2
72.5°	119.6	120.1	125.1	131.9	141.3	143.8	147.7	160.0	170.8	181.2	192.5
75°	98.0	98.0	103.4	111.3	121.6	125.1	129.5	142.3	153.6	164.4	176.3
77.5°	75.8	75.8	82.2	92.1	103.4	106.8	112.3	125.5	137.9	148.7	160.5
80°	55.6	56.6	64.0	73.9	85.7	90.1	96.5	109.8	123.1	133.9	145.7
82.5°	37.9	39.4	47.3	58.6	70.4	74.8	81.2	95.5	108.8	120.1	132.4
85°	22.6	25.1	33.5	44.8	57.1	62.0	68.9	82.2	95.5	106.8	119.1
87.5°	10.3	13.8	22.6	34.0	45.8	51.2	57.1	69.9	83.2	94.5	107.3
90°	1.0	5.9	14.8	24.6	35.9	40.9	46.8	59.1	71.9	82.2	94.5
92.5°	0.0	2.5	8.9	17.7	27.6	32.5	37.9	49.7	61.1	71.4	83.2
95°	0.0	1.0	4.9	12.3	20.7	25.1	30.0	40.9	52.2	62.0	72.9
97.5°	0.0	0.5	3.0	8.4	15.3	19.2	23.6	33.5	43.8	53.2	63.0
100°	0.0	0.5	1.5	5.4	11.3	14.3	18.7	27.1	36.4	44.8	54.7
102.5°	0.0	0.0	1.0	3.4	8.4	10.8	14.3	21.7	30.0	37.9	46.8
105°	0.0	0.0	0.5	2.5	5.9	7.9	10.8	17.2	24.6	31.5	39.9
107.5°	0.0	0.0	0.5	1.5	3.9	5.9	8.4	13.3	19.7	26.1	33.5
110°	0.5	0.5	0.5	1.0	3.0	4.4	5.9	10.3	16.2	21.7	28.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.5	0.5	0.5	0.5	2.0	3.0	4.4	7.9	12.8	17.2	23.1
115°	0.5	0.5	0.5	0.5	1.5	2.0	3.0	5.9	9.8	13.8	18.7
117.5°	0.5	0.5	0.5	0.5	1.0	1.5	2.0	4.4	7.4	10.8	15.3
120°	0.5	0.5	0.5	0.5	0.5	1.0	1.5	3.0	5.9	8.4	12.3
122.5°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	2.5	4.4	6.4	9.4
125°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	3.0	4.9	7.4
127.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0	3.4	5.4
130°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.5	3.9
132.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0	3.0
135°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5	2.0
137.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.5
140°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
142.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
145°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
150°	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
152.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
155°	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5
170°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5
175°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2
2.5°	626.3	627.7	629.2	625.3	627.7	632.2	633.7	627.7	629.7	625.8
5°	624.3	625.3	627.3	622.3	625.8	629.7	632.2	627.3	630.2	627.3
7.5°	620.4	621.3	623.8	618.9	623.3	626.8	629.7	624.8	627.7	624.8
10°	614.4	615.9	619.4	613.5	618.9	621.8	624.8	619.4	622.3	619.4
12.5°	607.1	609.5	612.5	607.1	612.5	614.9	618.9	613.5	616.9	614.4
15°	598.2	600.7	604.6	599.2	606.1	608.0	612.0	606.6	610.0	607.6
17.5°	587.9	590.8	595.7	589.3	597.2	598.7	602.6	597.7	601.2	598.7
20°	576.0	579.0	583.9	578.0	585.9	586.9	591.3	586.9	590.3	588.8
22.5°	562.3	565.7	570.6	565.2	573.6	573.6	579.0	574.6	578.5	577.0
25°	548.0	551.9	557.3	551.4	560.3	560.3	566.2	561.8	565.7	564.7
27.5°	532.7	537.2	543.6	537.6	546.5	546.0	551.9	548.0	552.4	550.9
30°	516.5	521.4	527.8	522.9	532.2	531.2	537.2	533.7	537.6	537.2
32.5°	498.7	504.2	512.0	506.6	516.0	515.0	522.4	518.4	523.4	522.4
35°	481.0	486.9	494.8	489.9	500.2	498.7	506.1	502.7	507.6	507.1
37.5°	462.8	469.2	477.1	473.1	483.0	481.5	489.4	486.4	491.9	490.4
40°	444.1	450.5	458.9	455.4	465.8	463.8	472.2	469.7	475.1	474.1
42.5°	425.4	432.3	440.7	438.7	448.5	446.6	454.9	453.0	458.4	457.4
45°	406.2	413.6	422.4	420.5	430.8	428.8	437.2	435.7	441.1	440.7
47.5°	387.0	394.9	403.7	402.7	412.6	410.6	419.5	418.0	423.4	423.4
50°	367.3	376.2	385.0	384.5	394.4	392.4	400.3	400.3	406.2	405.7
52.5°	347.6	357.0	366.3	366.3	376.2	374.2	383.0	382.6	388.5	388.5
55°	328.9	337.3	346.6	348.6	357.9	355.0	364.3	365.3	370.2	370.7
57.5°	310.2	319.0	328.4	330.9	339.7	337.8	346.6	347.6	352.5	353.0
60°	291.5	299.8	309.2	312.6	321.5	319.5	328.4	329.4	334.8	335.3
62.5°	272.8	281.1	291.5	294.9	303.3	301.8	311.2	312.1	317.1	318.1
65°	254.5	263.4	273.3	278.2	286.1	284.1	293.4	294.4	299.8	300.3
67.5°	236.8	245.7	255.5	260.9	268.3	267.3	276.2	278.2	282.6	283.6
70°	219.6	228.4	238.8	244.2	251.6	251.1	259.5	260.9	265.9	266.4
72.5°	202.8	211.7	222.0	228.4	234.8	234.4	242.7	244.7	249.6	250.1
75°	186.6	196.0	205.8	212.7	219.1	218.6	227.0	228.9	233.4	233.9
77.5°	171.3	180.7	191.0	197.9	203.3	203.8	211.2	213.2	217.6	219.1
80°	157.1	165.9	175.8	183.2	188.1	189.1	196.0	198.4	201.9	203.8
82.5°	143.3	152.1	162.0	168.9	173.8	174.8	181.2	184.1	187.6	189.1
85°	130.0	138.8	148.2	155.6	160.0	160.5	166.9	169.9	172.8	175.3
87.5°	117.2	126.0	134.9	142.8	146.7	147.7	153.6	156.6	159.0	161.5
90°	104.4	113.2	122.1	129.5	133.4	133.9	140.3	143.3	145.7	147.7
92.5°	92.6	101.4	110.3	117.7	121.1	122.1	127.5	131.0	132.9	134.9
95°	81.2	90.1	98.0	105.9	109.3	110.8	115.7	118.7	121.1	122.1
97.5°	71.4	79.3	86.7	94.5	97.5	99.0	103.9	107.3	109.3	110.3
100°	62.0	69.4	76.3	83.7	86.7	88.1	92.6	95.5	97.5	99.0
102.5°	53.7	60.6	67.0	73.9	76.8	77.8	81.7	84.7	86.7	88.1
105°	46.3	52.7	58.6	65.0	67.5	68.9	72.4	74.8	76.8	77.8
107.5°	39.4	45.8	50.7	56.6	59.1	60.1	63.5	66.5	67.9	68.4
110°	33.5	38.9	43.8	48.7	51.7	52.7	55.6	58.1	59.6	60.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	28.1	33.0	37.4	41.8	44.3	45.3	48.3	50.7	51.7	52.2
115°	23.1	28.1	31.5	35.9	37.9	38.9	41.4	43.8	44.3	45.3
117.5°	18.7	23.1	26.6	30.0	32.0	33.0	35.0	36.9	37.9	38.4
120°	15.3	18.7	21.7	25.1	26.6	27.6	29.5	31.5	32.0	32.5
122.5°	12.3	15.3	17.7	20.7	22.2	23.1	24.6	26.1	26.6	27.1
125°	9.4	12.3	14.3	16.7	18.2	18.7	20.2	21.7	22.2	22.6
127.5°	7.4	9.4	11.3	13.3	14.3	14.8	16.2	17.2	17.7	18.2
130°	5.4	6.9	8.4	10.3	11.3	11.8	12.8	13.8	14.3	14.3
132.5°	3.9	5.4	6.4	7.9	8.4	8.9	9.8	10.8	10.8	11.3
135°	2.5	3.4	4.4	5.4	6.4	6.4	7.4	7.9	8.4	8.4
137.5°	2.0	2.5	3.0	3.9	4.4	4.9	4.9	5.9	5.9	5.9
140°	1.5	2.0	2.0	2.5	3.0	3.4	3.4	3.9	3.9	3.9
142.5°	1.0	1.5	1.5	2.0	2.0	2.5	2.5	2.5	3.0	3.0
145°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	2.0	2.0	2.0
147.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
150°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
152.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
155°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
162.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
165°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
167.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
170°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
172.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
175°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
177.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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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	15.49	17.03	15.97	17.49	17.98	17.07	18.60	17.54	19.06	19.55
	3H	17.17	18.57	17.65	19.04	19.57	19.69	21.10	20.18	21.56	22.09
	4H	17.77	19.10	18.27	19.58	20.13	21.00	22.33	21.51	22.82	23.36
	6H	18.17	19.41	18.68	19.91	20.46	22.41	23.65	22.93	24.15	24.70
	8H	18.28	19.47	18.81	19.99	20.56	23.16	24.35	23.69	24.87	25.43
	12H	18.36	19.50	18.90	20.02	20.61	24.01	25.15	24.54	25.66	26.26
4H	2H	16.42	17.75	16.93	18.24	18.78	17.62	18.95	18.12	19.43	19.97
	3H	18.40	19.54	18.92	20.07	20.63	20.53	21.67	21.05	22.20	22.76
	4H	19.18	20.22	19.71	20.76	21.35	22.06	23.10	22.60	23.64	24.23
	6H	19.76	20.68	20.31	21.24	21.85	23.70	24.62	24.26	25.19	25.80
	8H	19.94	20.81	20.50	21.37	21.99	24.58	25.45	25.14	26.01	26.64
	12H	20.06	20.85	20.65	21.44	22.07	25.59	26.37	26.17	26.97	27.59
8H	4H	20.06	20.92	20.62	21.49	22.11	22.42	23.29	22.98	23.85	24.47
	6H	20.94	21.67	21.53	22.28	22.91	24.32	25.06	24.92	25.66	26.29
	8H	21.29	21.95	21.89	22.57	23.21	25.40	26.07	26.01	26.69	27.33
	12H	21.56	22.15	22.17	22.76	23.46	26.67	27.26	27.28	27.87	28.57
12H	4H	20.33	21.12	20.92	21.71	22.34	22.46	23.25	23.04	23.84	24.47
	6H	21.39	22.05	21.99	22.67	23.31	24.43	25.10	25.04	25.71	26.35
	8H	21.91	22.50	22.51	23.11	23.81	25.63	26.22	26.23	26.83	27.53