

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: P892687

Luminaire Tested: 2MB-3SL-RNDU-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-9)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-3SL-RNDU-UNV-L840
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 4
Light Source: -
Ballast/Driver: -

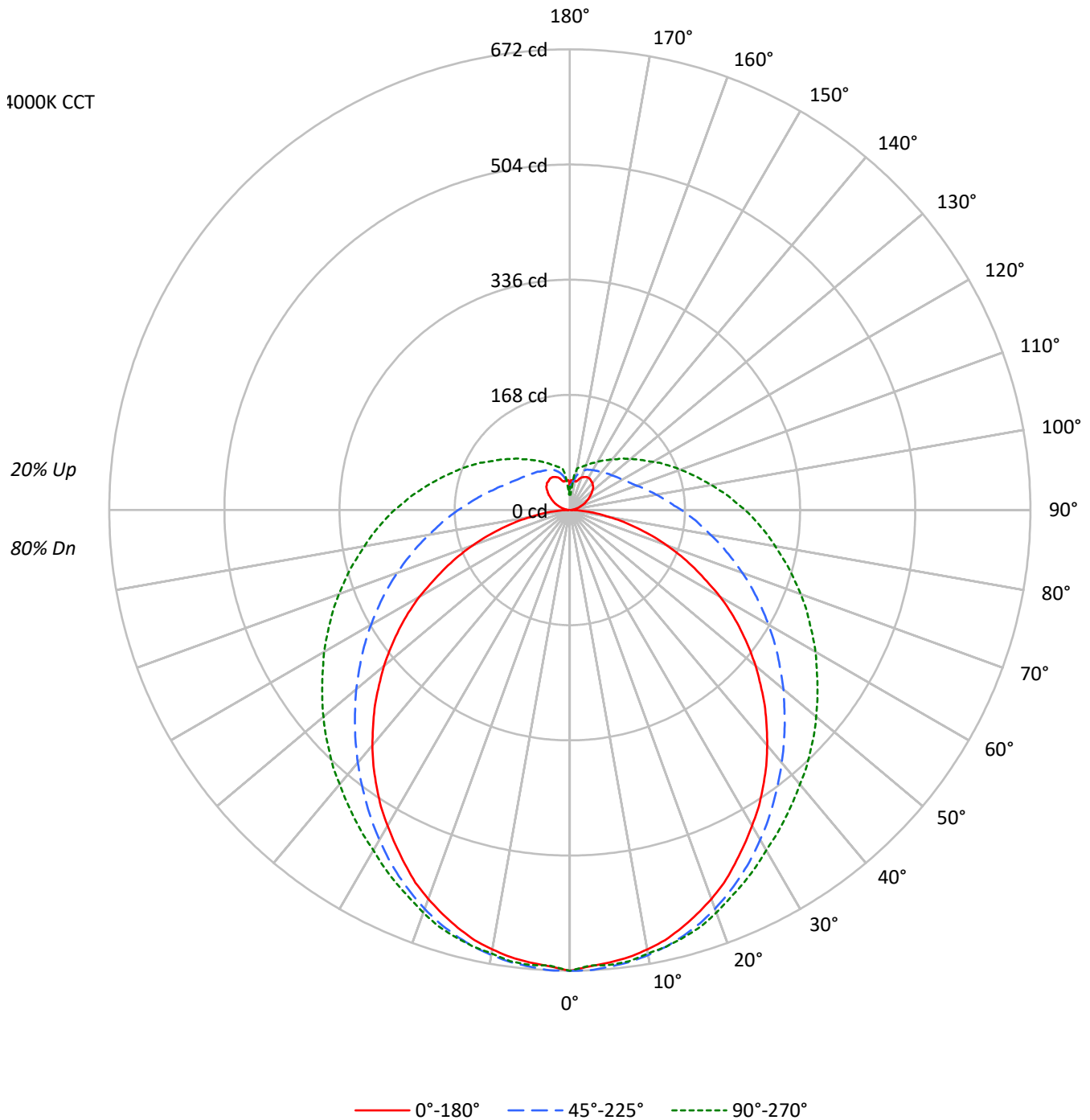
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2824.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 21
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 8
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P892687
CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L840

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9615	9615	9615
5°	9430	9228	9129
10°	9283	8855	8700
15°	9087	8470	8330
20°	8851	8069	7933
25°	8570	7657	7546
30°	8281	7243	7192
35°	7997	6846	6920
40°	7689	6475	6683
45°	7360	6136	6488
50°	6996	5839	6318
55°	6595	5565	6170
60°	6134	5323	6076
65°	5537	5114	6001
70°	4896	4935	5985
75°	4071	4809	6016
80°	3044	4750	6101
85°	1848	4838	6316

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7360 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	2.2
10°-20°	181.4	6.4
20°-30°	272.0	9.6
30°-40°	326.9	11.6
40°-50°	346.5	12.3
50°-60°	333.5	11.8
60°-70°	294.6	10.4
70°-80°	241.1	8.5
80°-90°	187.1	6.6
90°-100°	145.0	5.1
100°-110°	115.0	4.1
110°-120°	92.0	3.3
120°-130°	73.6	2.6
130°-140°	58.0	2.1
140°-150°	43.8	1.6
150°-160°	29.9	1.1
160°-170°	16.0	0.6
170°-180°	4.1	0.1
0°-30°	516.9	18.3
0°-40°	843.8	29.9
0°-60°	1523.8	54.0
0°-90°	2246.6	79.6
90°-120°	352.0	12.5
90°-150°	527.4	18.7
90°-180°	577.0	20.4
0°-180°	2824.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	672	672	672	672	672	
5°	663	670	669	671	666	63
15°	631	642	643	649	645	178
25°	570	584	590	600	600	262
35°	492	506	519	541	548	308
45°	402	417	443	482	496	310
55°	304	322	370	421	441	272
65°	200	230	301	362	386	199
75°	103	151	237	305	331	109
85°	25	92	185	254	280	27
90°	1	73	163	229	256	2
95°	4	60	144	206	232	3
105°	13	48	114	169	190	13
115°	25	46	96	138	156	24
125°	37	48	84	114	127	33
135°	48	52	76	97	106	37
145°	53	54	70	82	88	33
155°	53	58	65	72	76	25
165°	45	51	57	64	65	13
175°	44	41	39	35	33	4
180°	34	34	34	34	34	



TEST NUMBER: P892687
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1
2.5°	666.2	669.8	671.0	669.8	669.8	672.1	672.1	676.9	678.0	671.0	672.1
5°	662.7	666.2	668.6	667.4	667.4	669.8	668.6	673.3	674.5	668.6	668.6
7.5°	658.0	661.5	663.9	662.7	662.7	665.1	663.9	668.6	669.8	665.1	665.1
10°	650.9	655.6	658.0	655.6	656.8	659.2	658.0	662.7	663.9	659.2	659.2
12.5°	642.7	647.4	649.7	648.6	649.7	650.9	649.7	655.6	656.8	652.1	652.1
15°	630.9	636.8	637.9	636.8	637.9	641.5	639.1	643.8	647.4	642.7	642.7
17.5°	617.9	623.8	626.2	625.0	627.3	629.7	627.3	633.2	635.6	630.9	632.0
20°	603.7	609.6	612.0	610.8	613.2	615.5	613.2	619.1	621.4	617.9	619.1
22.5°	588.4	594.3	596.7	595.5	597.9	600.2	597.9	603.7	607.3	603.7	604.9
25°	569.6	576.6	579.0	577.8	580.2	583.7	580.2	587.2	590.8	588.4	589.6
27.5°	550.7	556.6	561.3	558.9	562.5	566.0	563.7	568.4	573.1	571.9	573.1
30°	531.8	537.7	542.4	540.1	543.6	547.1	543.6	549.5	554.2	554.2	555.4
32.5°	513.0	517.7	521.2	520.0	522.4	527.1	524.7	530.6	535.4	535.4	537.7
35°	491.7	496.4	500.0	498.8	502.3	505.9	503.5	509.4	515.3	516.5	518.8
37.5°	470.5	475.2	478.8	477.6	479.9	484.7	482.3	489.4	494.1	496.4	500.0
40°	448.1	452.8	456.3	455.2	458.7	462.2	461.1	467.0	472.9	476.4	481.1
42.5°	424.5	429.2	432.8	432.8	436.3	441.0	438.7	445.7	451.6	456.3	462.2
45°	402.1	405.6	409.2	409.2	413.9	417.4	416.3	423.3	430.4	436.3	443.4
47.5°	377.3	382.1	384.4	385.6	390.3	393.9	393.9	400.9	409.2	417.4	424.5
50°	353.8	357.3	360.8	360.8	366.7	370.3	370.3	378.5	389.1	398.6	406.8
52.5°	329.0	332.5	336.1	337.3	342.0	346.7	346.7	356.1	367.9	378.5	388.0
55°	304.2	307.8	310.1	312.5	318.4	321.9	324.3	334.9	347.9	358.5	370.3
57.5°	279.5	281.8	285.4	287.7	294.8	299.5	303.1	314.8	327.8	340.8	352.6
60°	253.5	257.1	259.4	263.0	270.0	277.1	280.6	293.6	307.8	321.9	334.9
62.5°	225.2	228.8	232.3	237.0	247.6	253.5	259.4	273.6	287.7	303.1	317.2
65°	200.5	202.8	206.4	211.1	222.9	229.9	237.0	252.3	268.9	285.4	300.7
67.5°	175.7	178.1	182.8	188.7	201.6	208.7	215.8	232.3	251.2	268.9	284.2
70°	150.9	152.1	158.0	166.3	180.4	187.5	195.7	212.3	231.1	251.2	267.7
72.5°	126.2	128.5	134.4	143.9	160.4	168.6	176.9	195.7	214.6	233.5	252.3
75°	102.6	103.8	112.0	123.8	141.5	150.9	160.4	179.2	199.3	219.3	237.0
77.5°	80.2	81.4	92.0	104.9	123.8	134.4	143.9	162.7	184.0	204.0	222.9
80°	59.0	61.3	71.9	88.4	107.3	117.9	129.7	149.8	169.8	191.0	208.7
82.5°	40.1	43.6	55.4	73.1	93.2	104.9	115.6	135.6	156.8	178.1	195.7
85°	24.8	28.3	42.5	60.1	81.4	92.0	102.6	123.8	145.0	165.1	185.1
87.5°	10.6	17.7	31.8	49.5	70.8	81.4	93.2	113.2	133.2	154.5	173.3
90°	1.2	10.6	24.8	42.5	62.5	73.1	83.7	103.8	123.8	143.9	162.7
92.5°	1.2	7.1	20.0	36.6	55.4	66.0	75.5	95.5	114.4	134.4	152.1
95°	3.5	7.1	17.7	33.0	50.7	60.1	69.6	88.4	107.3	126.2	143.9
97.5°	4.7	8.3	17.7	30.7	46.0	55.4	64.9	82.5	100.2	117.9	135.6
100°	7.1	9.4	17.7	29.5	43.6	51.9	60.1	76.6	94.3	112.0	128.5
102.5°	9.4	11.8	18.9	29.5	42.5	49.5	57.8	73.1	88.4	104.9	121.5
105°	13.0	14.2	20.0	29.5	41.3	48.3	55.4	69.6	83.7	100.2	114.4
107.5°	15.3	16.5	21.2	30.7	41.3	47.2	54.2	66.0	80.2	94.3	109.7
110°	17.7	17.7	23.6	31.8	41.3	46.0	53.1	64.9	77.8	90.8	103.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	21.2	21.2	24.8	33.0	41.3	46.0	51.9	62.5	74.3	87.3	99.1
115°	24.8	23.6	27.1	34.2	42.5	46.0	51.9	61.3	71.9	83.7	95.5
117.5°	27.1	25.9	29.5	35.4	42.5	47.2	51.9	61.3	70.8	81.4	92.0
120°	30.7	28.3	30.7	36.6	43.6	47.2	51.9	60.1	69.6	79.0	88.4
122.5°	33.0	31.8	33.0	38.9	44.8	47.2	51.9	59.0	68.4	76.6	86.1
125°	36.6	34.2	35.4	40.1	46.0	48.3	53.1	59.0	67.2	75.5	83.7
127.5°	40.1	36.6	36.6	41.3	46.0	49.5	53.1	59.0	66.0	73.1	81.4
130°	42.5	40.1	38.9	43.6	47.2	49.5	53.1	59.0	64.9	71.9	79.0
132.5°	46.0	42.5	41.3	44.8	48.3	50.7	54.2	59.0	64.9	70.8	77.8
135°	48.3	44.8	43.6	46.0	49.5	51.9	54.2	59.0	64.9	69.6	75.5
137.5°	49.5	47.2	46.0	47.2	50.7	53.1	55.4	59.0	63.7	68.4	74.3
140°	51.9	49.5	48.3	49.5	51.9	53.1	55.4	59.0	63.7	67.2	73.1
142.5°	51.9	51.9	49.5	50.7	51.9	54.2	56.6	59.0	62.5	67.2	70.8
145°	53.1	53.1	51.9	53.1	53.1	54.2	56.6	59.0	62.5	66.0	69.6
147.5°	54.2	54.2	54.2	54.2	54.2	55.4	56.6	59.0	62.5	64.9	68.4
150°	54.2	54.2	55.4	55.4	56.6	56.6	57.8	59.0	62.5	64.9	67.2
152.5°	54.2	53.1	55.4	56.6	57.8	57.8	57.8	59.0	61.3	63.7	66.0
155°	53.1	51.9	54.2	55.4	56.6	57.8	59.0	59.0	61.3	62.5	64.9
157.5°	51.9	50.7	53.1	54.2	55.4	56.6	57.8	57.8	59.0	61.3	63.7
160°	50.7	49.5	50.7	53.1	54.2	55.4	56.6	56.6	57.8	59.0	61.3
162.5°	48.3	47.2	48.3	50.7	51.9	53.1	54.2	55.4	56.6	57.8	59.0
165°	44.8	44.8	44.8	47.2	49.5	50.7	51.9	53.1	54.2	55.4	56.6
167.5°	42.5	41.3	42.5	43.6	46.0	47.2	48.3	49.5	50.7	51.9	53.1
170°	42.5	41.3	41.3	42.5	43.6	43.6	44.8	46.0	47.2	48.3	49.5
172.5°	43.6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	43.6	43.6
175°	43.6	43.6	42.5	42.5	41.3	41.3	41.3	41.3	40.1	38.9	38.9
177.5°	43.6	43.6	43.6	42.5	42.5	41.3	41.3	41.3	40.1	38.9	36.6
180°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1
2.5°	671.0	671.0	666.2	671.0	672.1	669.8	668.6	671.0	667.4	665.1
5°	668.6	668.6	665.1	669.8	671.0	668.6	668.6	671.0	667.4	666.2
7.5°	663.9	665.1	662.7	667.4	668.6	666.2	666.2	668.6	666.2	663.9
10°	659.2	659.2	658.0	661.5	661.5	660.4	659.2	661.5	660.4	656.8
12.5°	652.1	653.3	650.9	655.6	656.8	654.5	654.5	656.8	654.5	652.1
15°	643.8	643.8	643.8	647.4	648.6	647.4	647.4	649.7	647.4	645.0
17.5°	633.2	634.4	634.4	639.1	640.3	637.9	637.9	641.5	640.3	636.8
20°	620.3	621.4	622.6	626.2	627.3	626.2	626.2	628.5	628.5	625.0
22.5°	607.3	607.3	609.6	613.2	614.4	613.2	613.2	616.7	616.7	612.0
25°	592.0	592.0	595.5	600.2	600.2	599.0	600.2	602.6	603.7	600.2
27.5°	576.6	577.8	581.3	586.1	586.1	586.1	586.1	589.6	589.6	587.2
30°	558.9	561.3	564.8	569.6	570.7	570.7	571.9	574.3	576.6	573.1
32.5°	541.3	543.6	548.3	554.2	555.4	556.6	557.8	562.5	564.8	561.3
35°	523.6	525.9	533.0	540.1	541.3	542.4	544.8	549.5	551.9	548.3
37.5°	505.9	509.4	518.8	524.7	527.1	528.3	531.8	535.4	540.1	535.4
40°	489.4	492.9	503.5	510.6	511.8	514.1	517.7	522.4	525.9	522.4
42.5°	471.7	476.4	487.0	495.3	497.6	500.0	503.5	508.2	513.0	510.6
45°	454.0	459.9	471.7	479.9	482.3	485.8	490.5	495.3	500.0	496.4
47.5°	436.3	443.4	456.3	464.6	467.0	471.7	476.4	481.1	485.8	483.5
50°	418.6	425.7	439.8	449.3	452.8	457.5	461.1	467.0	471.7	469.3
52.5°	402.1	409.2	424.5	433.9	437.5	442.2	446.9	452.8	457.5	455.2
55°	383.2	391.5	408.0	417.4	421.0	426.9	432.8	437.5	443.4	441.0
57.5°	366.7	376.2	392.7	403.3	406.8	412.7	418.6	424.5	430.4	426.9
60°	350.2	359.7	377.3	388.0	391.5	398.6	404.5	409.2	416.3	413.9
62.5°	333.7	344.3	360.8	372.6	377.3	383.2	389.1	395.0	400.9	399.7
65°	316.0	327.8	345.5	357.3	362.0	369.1	375.0	380.9	386.8	385.6
67.5°	301.9	313.7	331.4	343.1	347.9	354.9	362.0	367.9	373.8	372.6
70°	285.4	298.3	316.0	327.8	332.5	339.6	346.7	352.6	358.5	358.5
72.5°	271.2	284.2	301.9	313.7	319.6	326.6	333.7	339.6	345.5	344.3
75°	257.1	270.0	287.7	299.5	305.4	313.7	320.7	326.6	332.5	331.4
77.5°	241.7	255.9	273.6	285.4	291.3	299.5	306.6	312.5	318.4	317.2
80°	227.6	242.9	260.6	272.4	278.3	285.4	293.6	299.5	305.4	304.2
82.5°	214.6	229.9	248.8	260.6	266.5	273.6	281.8	287.7	292.4	292.4
85°	202.8	217.0	234.7	247.6	253.5	260.6	268.9	274.8	280.6	279.5
87.5°	191.0	205.2	221.7	234.7	240.6	247.6	257.1	263.0	267.7	267.7
90°	180.4	194.6	211.1	222.9	228.8	235.8	244.1	251.2	255.9	255.9
92.5°	171.0	184.0	200.5	211.1	217.0	224.0	233.5	238.2	242.9	242.9
95°	161.6	174.5	189.9	200.5	206.4	213.4	221.7	227.6	231.1	232.3
97.5°	152.1	165.1	180.4	189.9	195.7	202.8	211.1	215.8	219.3	220.5
100°	143.9	156.8	171.0	180.4	186.3	193.4	200.5	205.2	208.7	209.9
102.5°	136.8	148.6	162.7	172.2	176.9	182.8	191.0	195.7	199.3	199.3
105°	129.7	141.5	154.5	163.9	168.6	174.5	181.6	186.3	189.9	189.9
107.5°	122.6	134.4	146.2	155.7	160.4	165.1	172.2	176.9	180.4	180.4
110°	116.7	127.4	139.1	147.4	152.1	156.8	163.9	168.6	171.0	172.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	112.0	121.5	132.1	140.3	145.0	149.8	155.7	160.4	162.7	163.9
115°	107.3	115.6	126.2	133.2	138.0	142.7	148.6	152.1	154.5	155.7
117.5°	102.6	110.8	120.3	127.4	130.9	135.6	141.5	145.0	147.4	148.6
120°	99.1	106.1	115.6	121.5	125.0	129.7	134.4	138.0	140.3	140.3
122.5°	94.3	102.6	109.7	115.6	119.1	122.6	128.5	130.9	133.2	133.2
125°	92.0	97.9	106.1	110.8	114.4	117.9	122.6	125.0	127.4	127.4
127.5°	88.4	94.3	101.4	106.1	108.5	112.0	116.7	119.1	120.3	121.5
130°	86.1	92.0	97.9	102.6	104.9	107.3	112.0	113.2	115.6	115.6
132.5°	83.7	88.4	94.3	97.9	100.2	102.6	106.1	108.5	109.7	110.8
135°	81.4	86.1	90.8	94.3	96.7	99.1	102.6	103.8	104.9	106.1
137.5°	79.0	83.7	87.3	90.8	92.0	94.3	97.9	99.1	100.2	100.2
140°	76.6	81.4	84.9	87.3	89.6	90.8	94.3	95.5	95.5	96.7
142.5°	75.5	79.0	81.4	83.7	86.1	87.3	89.6	90.8	92.0	92.0
145°	73.1	76.6	79.0	81.4	82.5	83.7	86.1	87.3	88.4	88.4
147.5°	71.9	74.3	76.6	79.0	80.2	81.4	83.7	83.7	84.9	84.9
150°	69.6	73.1	74.3	76.6	77.8	77.8	80.2	81.4	81.4	81.4
152.5°	68.4	70.8	71.9	73.1	74.3	75.5	76.6	77.8	77.8	77.8
155°	67.2	69.6	70.8	71.9	71.9	73.1	74.3	74.3	74.3	75.5
157.5°	66.0	67.2	68.4	69.6	69.6	70.8	71.9	71.9	71.9	71.9
160°	63.7	64.9	66.0	67.2	68.4	68.4	69.6	69.6	69.6	69.6
162.5°	60.1	62.5	63.7	64.9	66.0	66.0	67.2	67.2	67.2	67.2
165°	57.8	59.0	60.1	62.5	63.7	63.7	64.9	64.9	64.9	64.9
167.5°	55.4	55.4	56.6	57.8	60.1	61.3	62.5	63.7	63.7	63.7
170°	50.7	50.7	51.9	51.9	54.2	55.4	57.8	60.1	61.3	61.3
172.5°	44.8	44.8	46.0	44.8	46.0	46.0	47.2	49.5	51.9	53.1
175°	38.9	38.9	36.6	35.4	35.4	34.2	34.2	33.0	30.7	33.0
177.5°	34.2	33.0	30.7	28.3	28.3	27.1	27.1	24.8	22.4	22.4
180°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2



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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	14.76	16.07	15.40	16.73	17.50	18.14	19.45	18.78	20.12	20.89
	3H	16.08	17.27	16.73	17.95	18.75	20.96	22.15	21.61	22.83	23.63
	4H	16.48	17.61	17.15	18.30	19.12	22.37	23.51	23.05	24.20	25.02
	6H	16.68	17.74	17.37	18.44	19.27	23.86	24.92	24.55	25.62	26.45
	8H	16.72	17.73	17.42	18.45	19.29	24.61	25.63	25.31	26.35	27.18
	12H	16.72	17.70	17.43	18.41	19.27	25.41	26.38	26.11	27.09	27.96
4H	2H	15.88	17.02	16.56	17.70	18.52	18.48	19.61	19.15	20.30	21.12
	3H	17.49	18.46	18.18	19.19	20.02	21.53	22.51	22.22	23.23	24.07
	4H	18.05	18.95	18.75	19.67	20.54	23.13	24.03	23.83	24.75	25.62
	6H	18.39	19.18	19.11	19.93	20.80	24.83	25.62	25.55	26.37	27.24
	8H	18.46	19.21	19.19	19.96	20.84	25.70	26.45	26.43	27.20	28.09
	12H	18.49	19.17	19.24	19.94	20.83	26.63	27.32	27.38	28.09	28.98
8H	4H	19.09	19.84	19.82	20.59	21.47	23.31	24.06	24.03	24.80	25.69
	6H	19.70	20.34	20.46	21.13	22.02	25.19	25.83	25.95	26.62	27.50
	8H	19.90	20.48	20.67	21.27	22.17	26.22	26.80	26.99	27.58	28.49
	12H	20.02	20.53	20.79	21.31	22.27	27.35	27.87	28.12	28.65	29.61
12H	4H	19.42	20.11	20.17	20.88	21.77	23.30	23.99	24.05	24.76	25.65
	6H	20.20	20.78	20.96	21.56	22.46	25.22	25.80	25.99	26.59	27.49
	8H	20.53	21.04	21.30	21.82	22.78	26.32	26.83	27.09	27.61	28.57