

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: P892573

Luminaire Tested: 2MB-2SL-RNDU-UNV-L830

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892573
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-2SL-RNDU-UNV-L830
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

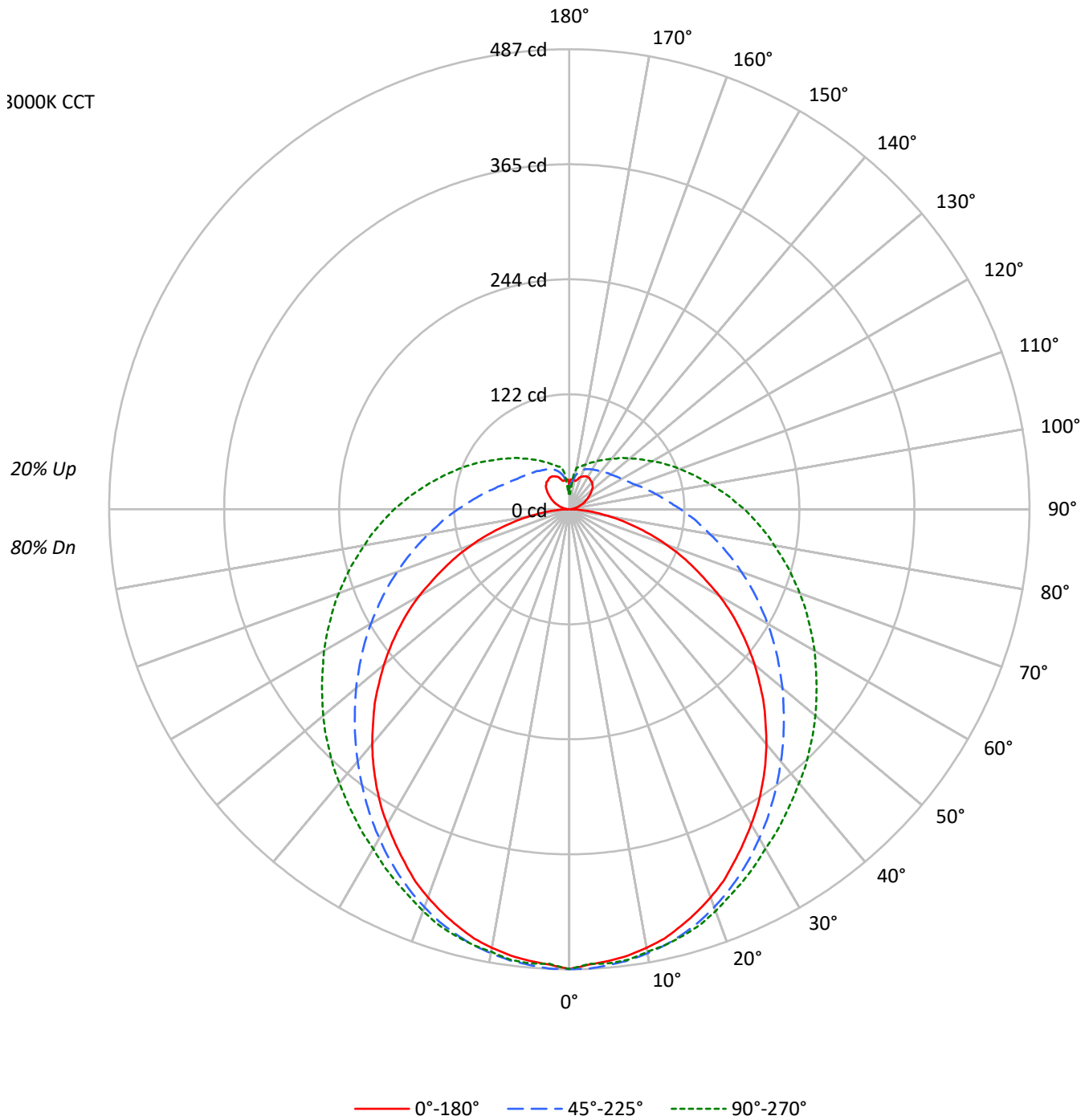
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2045.0 lumens
Efficiency: N/A
Efficacy: 137.2 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): 14.9
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				
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°	6962	6962	6962
5°	6829	6683	6612
10°	6723	6411	6300
15°	6580	6134	6032
20°	6410	5843	5745
25°	6205	5546	5464
30°	5997	5245	5208
35°	5792	4958	5012
40°	5568	4689	4839
45°	5330	4444	4699
50°	5066	4229	4576
55°	4776	4029	4469
60°	4443	3855	4399
65°	4010	3702	4345
70°	3546	3572	4334
75°	2948	3482	4357
80°	2203	3439	4418
85°	1334	3505	4574

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5330 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	2.2
10°-20°	131.3	6.4
20°-30°	197.0	9.6
30°-40°	236.7	11.6
40°-50°	250.9	12.3
50°-60°	241.5	11.8
60°-70°	213.3	10.4
70°-80°	174.6	8.5
80°-90°	135.5	6.6
90°-100°	105.0	5.1
100°-110°	83.3	4.1
110°-120°	66.6	3.3
120°-130°	53.3	2.6
130°-140°	42.0	2.1
140°-150°	31.7	1.6
150°-160°	21.7	1.1
160°-170°	11.6	0.6
170°-180°	3.0	0.1
0°-30°	374.3	18.3
0°-40°	611.0	29.9
0°-60°	1103.5	54.0
0°-90°	1626.9	79.6
90°-120°	254.9	12.5
90°-150°	381.9	18.7
90°-180°	418.0	20.4
0°-180°	2045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	487	487	487	487	487	
5°	480	485	484	486	482	46
15°	457	464	465	470	467	129
25°	412	423	427	435	435	190
35°	356	366	376	392	397	223
45°	291	302	321	349	360	224
55°	220	233	268	305	319	197
65°	145	166	218	262	279	144
75°	74	109	172	221	240	79
85°	18	67	134	184	202	20
90°	1	53	118	166	185	1
95°	3	44	104	149	168	2
105°	9	35	83	122	138	10
115°	18	33	69	100	113	17
125°	26	35	61	83	92	24
135°	35	38	55	70	77	27
145°	38	39	50	60	64	24
155°	38	42	47	52	55	18
165°	32	37	41	46	47	9
175°	32	30	28	26	24	3
180°	25	25	25	25	25	



TEST NUMBER: P892573
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7
2.5°	482.5	485.0	485.9	485.0	485.0	486.7	486.7	490.1	491.0	485.9	486.7
5°	479.9	482.5	484.2	483.3	483.3	485.0	484.2	487.6	488.4	484.2	484.2
7.5°	476.5	479.0	480.8	479.9	479.9	481.6	480.8	484.2	485.0	481.6	481.6
10°	471.4	474.8	476.5	474.8	475.6	477.3	476.5	479.9	480.8	477.3	477.3
12.5°	465.4	468.8	470.5	469.7	470.5	471.4	470.5	474.8	475.6	472.2	472.2
15°	456.8	461.1	462.0	461.1	462.0	464.5	462.8	466.2	468.8	465.4	465.4
17.5°	447.5	451.7	453.4	452.6	454.3	456.0	454.3	458.6	460.3	456.8	457.7
20°	437.2	441.5	443.2	442.3	444.0	445.7	444.0	448.3	450.0	447.5	448.3
22.5°	426.1	430.4	432.1	431.2	432.9	434.6	432.9	437.2	439.8	437.2	438.1
25°	412.4	417.6	419.3	418.4	420.1	422.7	420.1	425.3	427.8	426.1	427.0
27.5°	398.8	403.0	406.5	404.8	407.3	409.9	408.2	411.6	415.0	414.1	415.0
30°	385.1	389.4	392.8	391.1	393.7	396.2	393.7	397.9	401.3	401.3	402.2
32.5°	371.5	374.9	377.4	376.6	378.3	381.7	380.0	384.3	387.7	387.7	389.4
35°	356.1	359.5	362.1	361.2	363.8	366.3	364.6	368.9	373.2	374.0	375.7
37.5°	340.7	344.1	346.7	345.8	347.5	351.0	349.3	354.4	357.8	359.5	362.1
40°	324.5	327.9	330.5	329.6	332.2	334.7	333.9	338.2	342.4	345.0	348.4
42.5°	307.4	310.8	313.4	313.4	315.9	319.4	317.7	322.8	327.0	330.5	334.7
45°	291.2	293.7	296.3	296.3	299.7	302.3	301.4	306.6	311.7	315.9	321.1
47.5°	273.3	276.7	278.4	279.2	282.6	285.2	285.2	290.3	296.3	302.3	307.4
50°	256.2	258.7	261.3	261.3	265.6	268.1	268.1	274.1	281.8	288.6	294.6
52.5°	238.2	240.8	243.4	244.2	247.6	251.1	251.1	257.9	266.4	274.1	280.9
55°	220.3	222.9	224.6	226.3	230.6	233.1	234.8	242.5	251.9	259.6	268.1
57.5°	202.4	204.1	206.6	208.4	213.5	216.9	219.5	228.0	237.4	246.8	255.3
60°	183.6	186.2	187.9	190.4	195.5	200.7	203.2	212.6	222.9	233.1	242.5
62.5°	163.1	165.7	168.2	171.6	179.3	183.6	187.9	198.1	208.4	219.5	229.7
65°	145.2	146.9	149.4	152.9	161.4	166.5	171.6	182.7	194.7	206.6	217.7
67.5°	127.2	128.9	132.4	136.6	146.0	151.1	156.3	168.2	181.9	194.7	205.8
70°	109.3	110.2	114.4	120.4	130.6	135.8	141.8	153.7	167.4	181.9	193.8
72.5°	91.4	93.1	97.3	104.2	116.1	122.1	128.1	141.8	155.4	169.1	182.7
75°	74.3	75.1	81.1	89.7	102.5	109.3	116.1	129.8	144.3	158.8	171.6
77.5°	58.1	58.9	66.6	76.0	89.7	97.3	104.2	117.8	133.2	147.7	161.4
80°	42.7	44.4	52.1	64.0	77.7	85.4	93.9	108.4	123.0	138.3	151.1
82.5°	29.0	31.6	40.1	52.9	67.5	76.0	83.7	98.2	113.6	128.9	141.8
85°	17.9	20.5	30.7	43.5	58.9	66.6	74.3	89.7	105.0	119.5	134.1
87.5°	7.7	12.8	23.1	35.9	51.2	58.9	67.5	82.0	96.5	111.9	125.5
90°	0.9	7.7	17.9	30.7	45.3	52.9	60.6	75.1	89.7	104.2	117.8
92.5°	0.9	5.1	14.5	26.5	40.1	47.8	54.7	69.2	82.8	97.3	110.2
95°	2.6	5.1	12.8	23.9	36.7	43.5	50.4	64.0	77.7	91.4	104.2
97.5°	3.4	6.0	12.8	22.2	33.3	40.1	47.0	59.8	72.6	85.4	98.2
100°	5.1	6.8	12.8	21.3	31.6	37.6	43.5	55.5	68.3	81.1	93.1
102.5°	6.8	8.5	13.7	21.3	30.7	35.9	41.8	52.9	64.0	76.0	88.0
105°	9.4	10.2	14.5	21.3	29.9	35.0	40.1	50.4	60.6	72.6	82.8
107.5°	11.1	12.0	15.4	22.2	29.9	34.2	39.3	47.8	58.1	68.3	79.4
110°	12.8	12.8	17.1	23.1	29.9	33.3	38.4	47.0	56.4	65.8	75.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	15.4	15.4	17.9	23.9	29.9	33.3	37.6	45.3	53.8	63.2	71.7
115°	17.9	17.1	19.6	24.8	30.7	33.3	37.6	44.4	52.1	60.6	69.2
117.5°	19.6	18.8	21.3	25.6	30.7	34.2	37.6	44.4	51.2	58.9	66.6
120°	22.2	20.5	22.2	26.5	31.6	34.2	37.6	43.5	50.4	57.2	64.0
122.5°	23.9	23.1	23.9	28.2	32.4	34.2	37.6	42.7	49.5	55.5	62.3
125°	26.5	24.8	25.6	29.0	33.3	35.0	38.4	42.7	48.7	54.7	60.6
127.5°	29.0	26.5	26.5	29.9	33.3	35.9	38.4	42.7	47.8	52.9	58.9
130°	30.7	29.0	28.2	31.6	34.2	35.9	38.4	42.7	47.0	52.1	57.2
132.5°	33.3	30.7	29.9	32.4	35.0	36.7	39.3	42.7	47.0	51.2	56.4
135°	35.0	32.4	31.6	33.3	35.9	37.6	39.3	42.7	47.0	50.4	54.7
137.5°	35.9	34.2	33.3	34.2	36.7	38.4	40.1	42.7	46.1	49.5	53.8
140°	37.6	35.9	35.0	35.9	37.6	38.4	40.1	42.7	46.1	48.7	52.9
142.5°	37.6	37.6	35.9	36.7	37.6	39.3	41.0	42.7	45.3	48.7	51.2
145°	38.4	38.4	37.6	38.4	38.4	39.3	41.0	42.7	45.3	47.8	50.4
147.5°	39.3	39.3	39.3	39.3	39.3	40.1	41.0	42.7	45.3	47.0	49.5
150°	39.3	39.3	40.1	40.1	41.0	41.0	41.8	42.7	45.3	47.0	48.7
152.5°	39.3	38.4	40.1	41.0	41.8	41.8	41.8	42.7	44.4	46.1	47.8
155°	38.4	37.6	39.3	40.1	41.0	41.8	42.7	42.7	44.4	45.3	47.0
157.5°	37.6	36.7	38.4	39.3	40.1	41.0	41.8	41.8	42.7	44.4	46.1
160°	36.7	35.9	36.7	38.4	39.3	40.1	41.0	41.0	41.8	42.7	44.4
162.5°	35.0	34.2	35.0	36.7	37.6	38.4	39.3	40.1	41.0	41.8	42.7
165°	32.4	32.4	32.4	34.2	35.9	36.7	37.6	38.4	39.3	40.1	41.0
167.5°	30.7	29.9	30.7	31.6	33.3	34.2	35.0	35.9	36.7	37.6	38.4
170°	30.7	29.9	29.9	30.7	31.6	31.6	32.4	33.3	34.2	35.0	35.9
172.5°	31.6	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	31.6	31.6
175°	31.6	31.6	30.7	30.7	29.9	29.9	29.9	29.9	29.0	28.2	28.2
177.5°	31.6	31.6	31.6	30.7	30.7	29.9	29.9	29.9	29.0	28.2	26.5
180°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7
2.5°	485.9	485.9	482.5	485.9	486.7	485.0	484.2	485.9	483.3	481.6
5°	484.2	484.2	481.6	485.0	485.9	484.2	484.2	485.9	483.3	482.5
7.5°	480.8	481.6	479.9	483.3	484.2	482.5	482.5	484.2	482.5	480.8
10°	477.3	477.3	476.5	479.0	479.0	478.2	477.3	479.0	478.2	475.6
12.5°	472.2	473.1	471.4	474.8	475.6	473.9	473.9	475.6	473.9	472.2
15°	466.2	466.2	466.2	468.8	469.7	468.8	468.8	470.5	468.8	467.1
17.5°	458.6	459.4	459.4	462.8	463.7	462.0	462.0	464.5	463.7	461.1
20°	449.2	450.0	450.9	453.4	454.3	453.4	453.4	455.1	455.1	452.6
22.5°	439.8	439.8	441.5	444.0	444.9	444.0	444.0	446.6	446.6	443.2
25°	428.7	428.7	431.2	434.6	434.6	433.8	434.6	436.4	437.2	434.6
27.5°	417.6	418.4	421.0	424.4	424.4	424.4	424.4	427.0	427.0	425.3
30°	404.8	406.5	409.0	412.4	413.3	413.3	414.1	415.9	417.6	415.0
32.5°	391.9	393.7	397.1	401.3	402.2	403.0	403.9	407.3	409.0	406.5
35°	379.1	380.8	386.0	391.1	391.9	392.8	394.5	397.9	399.6	397.1
37.5°	366.3	368.9	375.7	380.0	381.7	382.6	385.1	387.7	391.1	387.7
40°	354.4	356.9	364.6	369.7	370.6	372.3	374.9	378.3	380.8	378.3
42.5°	341.6	345.0	352.7	358.6	360.4	362.1	364.6	368.0	371.5	369.7
45°	328.8	333.0	341.6	347.5	349.3	351.8	355.2	358.6	362.1	359.5
47.5°	315.9	321.1	330.5	336.4	338.2	341.6	345.0	348.4	351.8	350.1
50°	303.1	308.3	318.5	325.3	327.9	331.3	333.9	338.2	341.6	339.9
52.5°	291.2	296.3	307.4	314.2	316.8	320.2	323.6	327.9	331.3	329.6
55°	277.5	283.5	295.5	302.3	304.8	309.1	313.4	316.8	321.1	319.4
57.5°	265.6	272.4	284.4	292.0	294.6	298.9	303.1	307.4	311.7	309.1
60°	253.6	260.4	273.3	280.9	283.5	288.6	292.9	296.3	301.4	299.7
62.5°	241.7	249.3	261.3	269.8	273.3	277.5	281.8	286.1	290.3	289.5
65°	228.8	237.4	250.2	258.7	262.2	267.3	271.5	275.8	280.1	279.2
67.5°	218.6	227.1	240.0	248.5	251.9	257.0	262.2	266.4	270.7	269.8
70°	206.6	216.0	228.8	237.4	240.8	245.9	251.1	255.3	259.6	259.6
72.5°	196.4	205.8	218.6	227.1	231.4	236.5	241.7	245.9	250.2	249.3
75°	186.2	195.5	208.4	216.9	221.2	227.1	232.3	236.5	240.8	240.0
77.5°	175.1	185.3	198.1	206.6	210.9	216.9	222.0	226.3	230.6	229.7
80°	164.8	175.9	188.7	197.3	201.5	206.6	212.6	216.9	221.2	220.3
82.5°	155.4	166.5	180.2	188.7	193.0	198.1	204.1	208.4	211.8	211.8
85°	146.9	157.1	169.9	179.3	183.6	188.7	194.7	199.0	203.2	202.4
87.5°	138.3	148.6	160.5	169.9	174.2	179.3	186.2	190.4	193.8	193.8
90°	130.6	140.9	152.9	161.4	165.7	170.8	176.8	181.9	185.3	185.3
92.5°	123.8	133.2	145.2	152.9	157.1	162.2	169.1	172.5	175.9	175.9
95°	117.0	126.4	137.5	145.2	149.4	154.6	160.5	164.8	167.4	168.2
97.5°	110.2	119.5	130.6	137.5	141.8	146.9	152.9	156.3	158.8	159.7
100°	104.2	113.6	123.8	130.6	134.9	140.0	145.2	148.6	151.1	152.0
102.5°	99.1	107.6	117.8	124.7	128.1	132.4	138.3	141.8	144.3	144.3
105°	93.9	102.5	111.9	118.7	122.1	126.4	131.5	134.9	137.5	137.5
107.5°	88.8	97.3	105.9	112.7	116.1	119.5	124.7	128.1	130.6	130.6
110°	84.5	92.2	100.8	106.7	110.2	113.6	118.7	122.1	123.8	124.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	81.1	88.0	95.6	101.6	105.0	108.4	112.7	116.1	117.8	118.7
115°	77.7	83.7	91.4	96.5	99.9	103.3	107.6	110.2	111.9	112.7
117.5°	74.3	80.3	87.1	92.2	94.8	98.2	102.5	105.0	106.7	107.6
120°	71.7	76.9	83.7	88.0	90.5	93.9	97.3	99.9	101.6	101.6
122.5°	68.3	74.3	79.4	83.7	86.2	88.8	93.1	94.8	96.5	96.5
125°	66.6	70.9	76.9	80.3	82.8	85.4	88.8	90.5	92.2	92.2
127.5°	64.0	68.3	73.4	76.9	78.6	81.1	84.5	86.2	87.1	88.0
130°	62.3	66.6	70.9	74.3	76.0	77.7	81.1	82.0	83.7	83.7
132.5°	60.6	64.0	68.3	70.9	72.6	74.3	76.9	78.6	79.4	80.3
135°	58.9	62.3	65.8	68.3	70.0	71.7	74.3	75.1	76.0	76.9
137.5°	57.2	60.6	63.2	65.8	66.6	68.3	70.9	71.7	72.6	72.6
140°	55.5	58.9	61.5	63.2	64.9	65.8	68.3	69.2	69.2	70.0
142.5°	54.7	57.2	58.9	60.6	62.3	63.2	64.9	65.8	66.6	66.6
145°	52.9	55.5	57.2	58.9	59.8	60.6	62.3	63.2	64.0	64.0
147.5°	52.1	53.8	55.5	57.2	58.1	58.9	60.6	60.6	61.5	61.5
150°	50.4	52.9	53.8	55.5	56.4	56.4	58.1	58.9	58.9	58.9
152.5°	49.5	51.2	52.1	52.9	53.8	54.7	55.5	56.4	56.4	56.4
155°	48.7	50.4	51.2	52.1	52.1	52.9	53.8	53.8	53.8	54.7
157.5°	47.8	48.7	49.5	50.4	50.4	51.2	52.1	52.1	52.1	52.1
160°	46.1	47.0	47.8	48.7	49.5	49.5	50.4	50.4	50.4	50.4
162.5°	43.5	45.3	46.1	47.0	47.8	47.8	48.7	48.7	48.7	48.7
165°	41.8	42.7	43.5	45.3	46.1	46.1	47.0	47.0	47.0	47.0
167.5°	40.1	40.1	41.0	41.8	43.5	44.4	45.3	46.1	46.1	46.1
170°	36.7	36.7	37.6	37.6	39.3	40.1	41.8	43.5	44.4	44.4
172.5°	32.4	32.4	33.3	32.4	33.3	33.3	34.2	35.9	37.6	38.4
175°	28.2	28.2	26.5	25.6	25.6	24.8	24.8	23.9	22.2	23.9
177.5°	24.8	23.9	22.2	20.5	20.5	19.6	19.6	17.9	16.2	16.2
180°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8



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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	13.64	14.95	14.28	15.61	16.38	17.02	18.33	17.66	19.00	19.77
	3H	14.96	16.15	15.61	16.83	17.63	19.84	21.03	20.49	21.71	22.51
	4H	15.35	16.49	16.03	17.18	17.99	21.25	22.39	21.93	23.08	23.89
	6H	15.56	16.62	16.25	17.32	18.15	22.74	23.80	23.43	24.50	25.33
	8H	15.60	16.61	16.29	17.33	18.17	23.49	24.51	24.19	25.23	26.06
	12H	15.60	16.57	16.31	17.29	18.15	24.29	25.26	24.99	25.97	26.84
4H	2H	14.76	15.90	15.44	16.58	17.40	17.36	18.49	18.03	19.18	20.00
	3H	16.37	17.34	17.06	18.06	18.90	20.41	21.39	21.10	22.11	22.95
	4H	16.93	17.82	17.63	18.55	19.41	22.01	22.91	22.71	23.63	24.49
	6H	17.27	18.06	17.99	18.81	19.68	23.71	24.50	24.43	25.25	26.12
	8H	17.34	18.09	18.07	18.84	19.72	24.58	25.33	25.31	26.08	26.96
	12H	17.37	18.05	18.12	18.82	19.71	25.51	26.20	26.26	26.97	27.86
8H	4H	17.97	18.72	18.70	19.47	20.35	22.19	22.93	22.91	23.68	24.57
	6H	18.58	19.22	19.34	20.01	20.89	24.07	24.71	24.82	25.50	26.38
	8H	18.78	19.36	19.55	20.15	21.05	25.10	25.68	25.86	26.46	27.36
	12H	18.90	19.41	19.67	20.19	21.15	26.23	26.75	27.00	27.53	28.49
12H	4H	18.30	18.98	19.05	19.75	20.65	22.18	22.86	22.93	23.64	24.53
	6H	19.08	19.65	19.84	20.44	21.34	24.10	24.68	24.87	25.47	26.37
	8H	19.41	19.92	20.18	20.70	21.66	25.20	25.71	25.97	26.49	27.45