

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: P892578

Luminaire Tested: 2MB-2SL-RNDU-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892578
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-L935
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

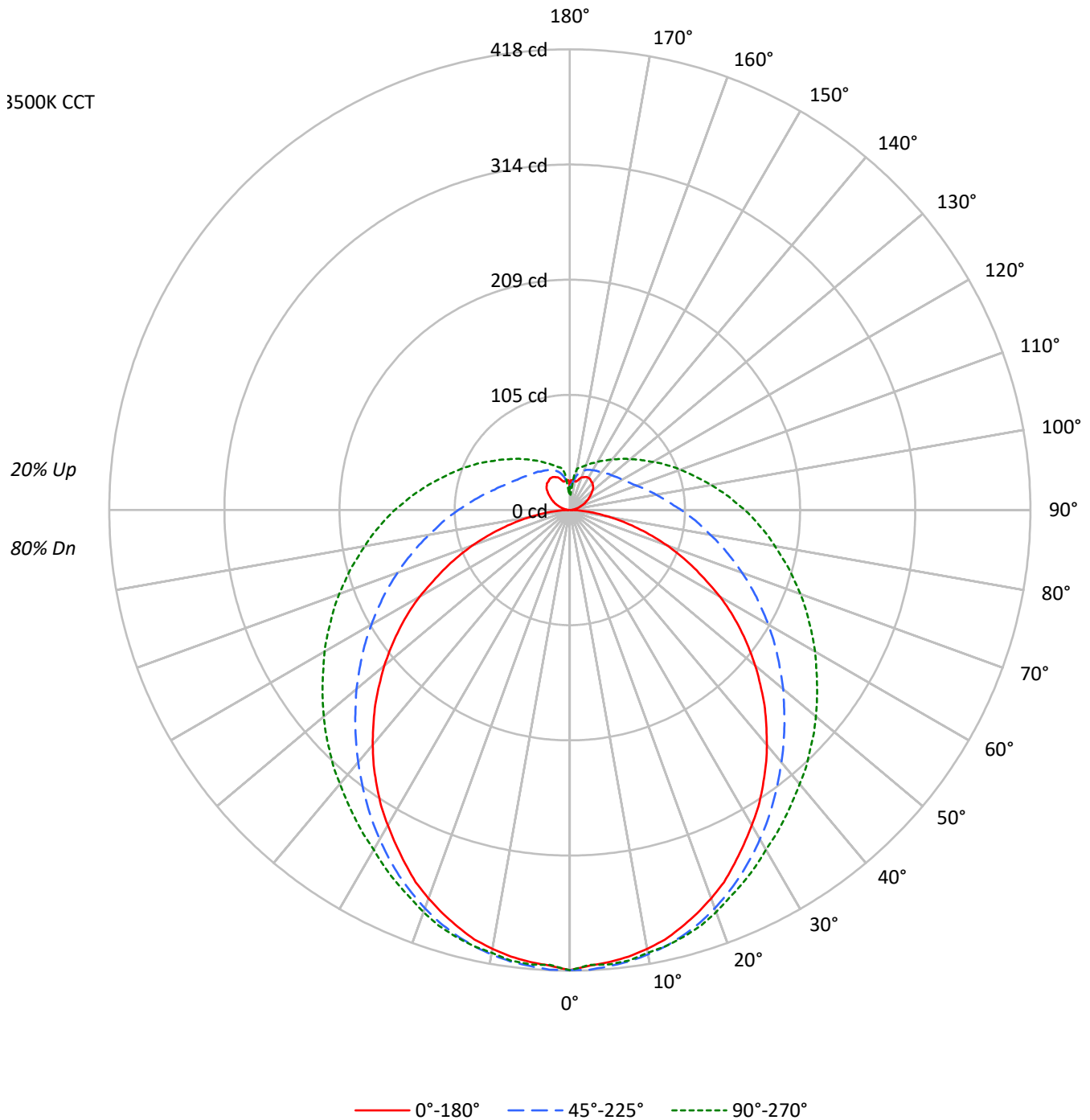
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1754.0 lumens
Efficiency: N/A
Efficacy: 117.7 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

TEST NUMBER: P892578
CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L935

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
RCR																				
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80		
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	61		
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	49		
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	41		
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	34		
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	29		
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	26		
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	23		
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	20		
9	51	38	30	24	49	37	29	23	34	27	22	31	25	21	29	24	20	18		
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5973	5973	5973
5°	5857	5732	5670
10°	5766	5499	5403
15°	5643	5261	5173
20°	5498	5011	4927
25°	5323	4756	4687
30°	5143	4499	4466
35°	4967	4253	4299
40°	4775	4021	4151
45°	4572	3811	4029
50°	4344	3627	3925
55°	4098	3456	3832
60°	3811	3306	3774
65°	3438	3177	3727
70°	3040	3066	3718
75°	2528	2987	3736
80°	1888	2950	3791
85°	1147	3006	3923

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4572 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	2.2
10°-20°	112.7	6.4
20°-30°	168.9	9.6
30°-40°	203.0	11.6
40°-50°	215.2	12.3
50°-60°	207.2	11.8
60°-70°	183.0	10.4
70°-80°	149.7	8.5
80°-90°	116.2	6.6
90°-100°	90.0	5.1
100°-110°	71.4	4.1
110°-120°	57.1	3.3
120°-130°	45.7	2.6
130°-140°	36.0	2.1
140°-150°	27.2	1.6
150°-160°	18.6	1.1
160°-170°	9.9	0.6
170°-180°	2.5	0.1
0°-30°	321.1	18.3
0°-40°	524.1	29.9
0°-60°	946.5	54.0
0°-90°	1395.4	79.6
90°-120°	218.6	12.5
90°-150°	327.5	18.7
90°-180°	359.0	20.5
0°-180°	1754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	418	418	418	418	418	
5°	412	416	415	417	414	39
15°	392	398	399	403	401	110
25°	354	362	366	373	373	163
35°	305	314	322	336	341	191
45°	250	259	275	300	308	192
55°	189	200	230	262	274	169
65°	124	143	187	225	240	123
75°	64	94	147	190	206	68
85°	15	57	115	158	174	17
90°	1	45	101	142	159	1
95°	2	37	89	128	144	2
105°	8	30	71	105	118	8
115°	15	29	59	86	97	15
125°	23	30	52	71	79	20
135°	30	32	47	60	66	23
145°	33	34	43	51	55	21
155°	33	36	40	45	47	15
165°	28	32	35	40	40	8
175°	27	26	24	22	20	3
180°	21	21	21	21	21	



TEST NUMBER: P892578
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L935

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5
2.5°	413.8	416.0	416.7	416.0	416.0	417.5	417.5	420.4	421.1	416.7	417.5
5°	411.6	413.8	415.3	414.5	414.5	416.0	415.3	418.2	418.9	415.3	415.3
7.5°	408.7	410.9	412.3	411.6	411.6	413.1	412.3	415.3	416.0	413.1	413.1
10°	404.3	407.2	408.7	407.2	407.9	409.4	408.7	411.6	412.3	409.4	409.4
12.5°	399.2	402.1	403.6	402.8	403.6	404.3	403.6	407.2	407.9	405.0	405.0
15°	391.8	395.5	396.2	395.5	396.2	398.4	397.0	399.9	402.1	399.2	399.2
17.5°	383.8	387.4	388.9	388.2	389.6	391.1	389.6	393.3	394.8	391.8	392.6
20°	375.0	378.7	380.1	379.4	380.9	382.3	380.9	384.5	386.0	383.8	384.5
22.5°	365.5	369.1	370.6	369.9	371.3	372.8	371.3	375.0	377.2	375.0	375.7
25°	353.8	358.1	359.6	358.9	360.3	362.5	360.3	364.7	366.9	365.5	366.2
27.5°	342.0	345.7	348.6	347.2	349.4	351.6	350.1	353.0	355.9	355.2	355.9
30°	330.3	334.0	336.9	335.4	337.6	339.8	337.6	341.3	344.2	344.2	345.0
32.5°	318.6	321.5	323.7	323.0	324.5	327.4	325.9	329.6	332.5	332.5	334.0
35°	305.4	308.3	310.5	309.8	312.0	314.2	312.7	316.4	320.1	320.8	322.3
37.5°	292.2	295.2	297.4	296.6	298.1	301.0	299.6	303.9	306.9	308.3	310.5
40°	278.3	281.2	283.4	282.7	284.9	287.1	286.4	290.0	293.7	295.9	298.8
42.5°	263.7	266.6	268.8	268.8	271.0	273.9	272.5	276.8	280.5	283.4	287.1
45°	249.8	251.9	254.1	254.1	257.1	259.3	258.5	262.9	267.3	271.0	275.4
47.5°	234.4	237.3	238.8	239.5	242.4	244.6	244.6	249.0	254.1	259.3	263.7
50°	219.7	221.9	224.1	224.1	227.8	230.0	230.0	235.1	241.7	247.6	252.7
52.5°	204.3	206.5	208.7	209.5	212.4	215.3	215.3	221.2	228.5	235.1	241.0
55°	189.0	191.2	192.6	194.1	197.7	199.9	201.4	208.0	216.1	222.7	230.0
57.5°	173.6	175.0	177.2	178.7	183.1	186.0	188.2	195.6	203.6	211.7	219.0
60°	157.5	159.7	161.1	163.3	167.7	172.1	174.3	182.4	191.2	199.9	208.0
62.5°	139.9	142.1	144.3	147.2	153.8	157.5	161.1	169.9	178.7	188.2	197.0
65°	124.5	126.0	128.2	131.1	138.4	142.8	147.2	156.7	167.0	177.2	186.8
67.5°	109.1	110.6	113.5	117.2	125.2	129.6	134.0	144.3	156.0	167.0	176.5
70°	93.7	94.5	98.1	103.3	112.1	116.5	121.6	131.8	143.6	156.0	166.3
72.5°	78.4	79.8	83.5	89.4	99.6	104.7	109.9	121.6	133.3	145.0	156.7
75°	63.7	64.5	69.6	76.9	87.9	93.7	99.6	111.3	123.8	136.2	147.2
77.5°	49.8	50.5	57.1	65.2	76.9	83.5	89.4	101.1	114.3	126.7	138.4
80°	36.6	38.1	44.7	54.9	66.6	73.2	80.6	93.0	105.5	118.6	129.6
82.5°	24.9	27.1	34.4	45.4	57.9	65.2	71.8	84.2	97.4	110.6	121.6
85°	15.4	17.6	26.4	37.4	50.5	57.1	63.7	76.9	90.1	102.5	115.0
87.5°	6.6	11.0	19.8	30.8	43.9	50.5	57.9	70.3	82.8	95.9	107.7
90°	0.7	6.6	15.4	26.4	38.8	45.4	52.0	64.5	76.9	89.4	101.1
92.5°	0.7	4.4	12.5	22.7	34.4	41.0	46.9	59.3	71.0	83.5	94.5
95°	2.2	4.4	11.0	20.5	31.5	37.4	43.2	54.9	66.6	78.4	89.4
97.5°	2.9	5.1	11.0	19.0	28.6	34.4	40.3	51.3	62.3	73.2	84.2
100°	4.4	5.9	11.0	18.3	27.1	32.2	37.4	47.6	58.6	69.6	79.8
102.5°	5.9	7.3	11.7	18.3	26.4	30.8	35.9	45.4	54.9	65.2	75.4
105°	8.1	8.8	12.5	18.3	25.6	30.0	34.4	43.2	52.0	62.3	71.0
107.5°	9.5	10.3	13.2	19.0	25.6	29.3	33.7	41.0	49.8	58.6	68.1
110°	11.0	11.0	14.6	19.8	25.6	28.6	33.0	40.3	48.3	56.4	64.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	13.2	13.2	15.4	20.5	25.6	28.6	32.2	38.8	46.1	54.2	61.5
115°	15.4	14.6	16.8	21.2	26.4	28.6	32.2	38.1	44.7	52.0	59.3
117.5°	16.8	16.1	18.3	22.0	26.4	29.3	32.2	38.1	43.9	50.5	57.1
120°	19.0	17.6	19.0	22.7	27.1	29.3	32.2	37.4	43.2	49.1	54.9
122.5°	20.5	19.8	20.5	24.2	27.8	29.3	32.2	36.6	42.5	47.6	53.5
125°	22.7	21.2	22.0	24.9	28.6	30.0	33.0	36.6	41.7	46.9	52.0
127.5°	24.9	22.7	22.7	25.6	28.6	30.8	33.0	36.6	41.0	45.4	50.5
130°	26.4	24.9	24.2	27.1	29.3	30.8	33.0	36.6	40.3	44.7	49.1
132.5°	28.6	26.4	25.6	27.8	30.0	31.5	33.7	36.6	40.3	43.9	48.3
135°	30.0	27.8	27.1	28.6	30.8	32.2	33.7	36.6	40.3	43.2	46.9
137.5°	30.8	29.3	28.6	29.3	31.5	33.0	34.4	36.6	39.5	42.5	46.1
140°	32.2	30.8	30.0	30.8	32.2	33.0	34.4	36.6	39.5	41.7	45.4
142.5°	32.2	32.2	30.8	31.5	32.2	33.7	35.2	36.6	38.8	41.7	43.9
145°	33.0	33.0	32.2	33.0	33.0	33.7	35.2	36.6	38.8	41.0	43.2
147.5°	33.7	33.7	33.7	33.7	33.7	34.4	35.2	36.6	38.8	40.3	42.5
150°	33.7	33.7	34.4	34.4	35.2	35.2	35.9	36.6	38.8	40.3	41.7
152.5°	33.7	33.0	34.4	35.2	35.9	35.9	35.9	36.6	38.1	39.5	41.0
155°	33.0	32.2	33.7	34.4	35.2	35.9	36.6	36.6	38.1	38.8	40.3
157.5°	32.2	31.5	33.0	33.7	34.4	35.2	35.9	35.9	36.6	38.1	39.5
160°	31.5	30.8	31.5	33.0	33.7	34.4	35.2	35.2	35.9	36.6	38.1
162.5°	30.0	29.3	30.0	31.5	32.2	33.0	33.7	34.4	35.2	35.9	36.6
165°	27.8	27.8	27.8	29.3	30.8	31.5	32.2	33.0	33.7	34.4	35.2
167.5°	26.4	25.6	26.4	27.1	28.6	29.3	30.0	30.8	31.5	32.2	33.0
170°	26.4	25.6	25.6	26.4	27.1	27.1	27.8	28.6	29.3	30.0	30.8
172.5°	27.1	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	27.1	27.1
175°	27.1	27.1	26.4	26.4	25.6	25.6	25.6	25.6	24.9	24.2	24.2
177.5°	27.1	27.1	27.1	26.4	26.4	25.6	25.6	25.6	24.9	24.2	22.7
180°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5	417.5
2.5°	416.7	416.7	413.8	416.7	417.5	416.0	415.3	416.7	414.5	413.1
5°	415.3	415.3	413.1	416.0	416.7	415.3	415.3	416.7	414.5	413.8
7.5°	412.3	413.1	411.6	414.5	415.3	413.8	413.8	415.3	413.8	412.3
10°	409.4	409.4	408.7	410.9	410.9	410.1	409.4	410.9	410.1	407.9
12.5°	405.0	405.8	404.3	407.2	407.9	406.5	406.5	407.9	406.5	405.0
15°	399.9	399.9	399.9	402.1	402.8	402.1	402.1	403.6	402.1	400.6
17.5°	393.3	394.0	394.0	397.0	397.7	396.2	396.2	398.4	397.7	395.5
20°	385.2	386.0	386.7	388.9	389.6	388.9	388.9	390.4	390.4	388.2
22.5°	377.2	377.2	378.7	380.9	381.6	380.9	380.9	383.0	383.0	380.1
25°	367.7	367.7	369.9	372.8	372.8	372.1	372.8	374.3	375.0	372.8
27.5°	358.1	358.9	361.1	364.0	364.0	364.0	364.0	366.2	366.2	364.7
30°	347.2	348.6	350.8	353.8	354.5	354.5	355.2	356.7	358.1	355.9
32.5°	336.2	337.6	340.6	344.2	345.0	345.7	346.4	349.4	350.8	348.6
35°	325.2	326.7	331.0	335.4	336.2	336.9	338.4	341.3	342.8	340.6
37.5°	314.2	316.4	322.3	325.9	327.4	328.1	330.3	332.5	335.4	332.5
40°	303.9	306.1	312.7	317.1	317.9	319.3	321.5	324.5	326.7	324.5
42.5°	293.0	295.9	302.5	307.6	309.1	310.5	312.7	315.7	318.6	317.1
45°	282.0	285.6	293.0	298.1	299.6	301.8	304.7	307.6	310.5	308.3
47.5°	271.0	275.4	283.4	288.6	290.0	293.0	295.9	298.8	301.8	300.3
50°	260.0	264.4	273.2	279.0	281.2	284.2	286.4	290.0	293.0	291.5
52.5°	249.8	254.1	263.7	269.5	271.7	274.7	277.6	281.2	284.2	282.7
55°	238.0	243.2	253.4	259.3	261.5	265.1	268.8	271.7	275.4	273.9
57.5°	227.8	233.6	243.9	250.5	252.7	256.3	260.0	263.7	267.3	265.1
60°	217.5	223.4	234.4	241.0	243.2	247.6	251.2	254.1	258.5	257.1
62.5°	207.3	213.9	224.1	231.4	234.4	238.0	241.7	245.4	249.0	248.3
65°	196.3	203.6	214.6	221.9	224.8	229.2	232.9	236.6	240.2	239.5
67.5°	187.5	194.8	205.8	213.1	216.1	220.5	224.8	228.5	232.2	231.4
70°	177.2	185.3	196.3	203.6	206.5	210.9	215.3	219.0	222.7	222.7
72.5°	168.5	176.5	187.5	194.8	198.5	202.9	207.3	210.9	214.6	213.9
75°	159.7	167.7	178.7	186.0	189.7	194.8	199.2	202.9	206.5	205.8
77.5°	150.1	158.9	169.9	177.2	180.9	186.0	190.4	194.1	197.7	197.0
80°	141.4	150.9	161.9	169.2	172.8	177.2	182.4	186.0	189.7	189.0
82.5°	133.3	142.8	154.5	161.9	165.5	169.9	175.0	178.7	181.6	181.6
85°	126.0	134.8	145.7	153.8	157.5	161.9	167.0	170.7	174.3	173.6
87.5°	118.6	127.4	137.7	145.7	149.4	153.8	159.7	163.3	166.3	166.3
90°	112.1	120.8	131.1	138.4	142.1	146.5	151.6	156.0	158.9	158.9
92.5°	106.2	114.3	124.5	131.1	134.8	139.2	145.0	147.9	150.9	150.9
95°	100.3	108.4	117.9	124.5	128.2	132.6	137.7	141.4	143.6	144.3
97.5°	94.5	102.5	112.1	117.9	121.6	126.0	131.1	134.0	136.2	137.0
100°	89.4	97.4	106.2	112.1	115.7	120.1	124.5	127.4	129.6	130.4
102.5°	85.0	92.3	101.1	106.9	109.9	113.5	118.6	121.6	123.8	123.8
105°	80.6	87.9	95.9	101.8	104.7	108.4	112.8	115.7	117.9	117.9
107.5°	76.2	83.5	90.8	96.7	99.6	102.5	106.9	109.9	112.1	112.1
110°	72.5	79.1	86.4	91.6	94.5	97.4	101.8	104.7	106.2	106.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	69.6	75.4	82.0	87.2	90.1	93.0	96.7	99.6	101.1	101.8
115°	66.6	71.8	78.4	82.8	85.7	88.6	92.3	94.5	95.9	96.7
117.5°	63.7	68.8	74.7	79.1	81.3	84.2	87.9	90.1	91.6	92.3
120°	61.5	65.9	71.8	75.4	77.6	80.6	83.5	85.7	87.2	87.2
122.5°	58.6	63.7	68.1	71.8	74.0	76.2	79.8	81.3	82.8	82.8
125°	57.1	60.8	65.9	68.8	71.0	73.2	76.2	77.6	79.1	79.1
127.5°	54.9	58.6	63.0	65.9	67.4	69.6	72.5	74.0	74.7	75.4
130°	53.5	57.1	60.8	63.7	65.2	66.6	69.6	70.3	71.8	71.8
132.5°	52.0	54.9	58.6	60.8	62.3	63.7	65.9	67.4	68.1	68.8
135°	50.5	53.5	56.4	58.6	60.1	61.5	63.7	64.5	65.2	65.9
137.5°	49.1	52.0	54.2	56.4	57.1	58.6	60.8	61.5	62.3	62.3
140°	47.6	50.5	52.7	54.2	55.7	56.4	58.6	59.3	59.3	60.1
142.5°	46.9	49.1	50.5	52.0	53.5	54.2	55.7	56.4	57.1	57.1
145°	45.4	47.6	49.1	50.5	51.3	52.0	53.5	54.2	54.9	54.9
147.5°	44.7	46.1	47.6	49.1	49.8	50.5	52.0	52.0	52.7	52.7
150°	43.2	45.4	46.1	47.6	48.3	48.3	49.8	50.5	50.5	50.5
152.5°	42.5	43.9	44.7	45.4	46.1	46.9	47.6	48.3	48.3	48.3
155°	41.7	43.2	43.9	44.7	44.7	45.4	46.1	46.1	46.1	46.9
157.5°	41.0	41.7	42.5	43.2	43.2	43.9	44.7	44.7	44.7	44.7
160°	39.5	40.3	41.0	41.7	42.5	42.5	43.2	43.2	43.2	43.2
162.5°	37.4	38.8	39.5	40.3	41.0	41.0	41.7	41.7	41.7	41.7
165°	35.9	36.6	37.4	38.8	39.5	39.5	40.3	40.3	40.3	40.3
167.5°	34.4	34.4	35.2	35.9	37.4	38.1	38.8	39.5	39.5	39.5
170°	31.5	31.5	32.2	32.2	33.7	34.4	35.9	37.4	38.1	38.1
172.5°	27.8	27.8	28.6	27.8	28.6	28.6	29.3	30.8	32.2	33.0
175°	24.2	24.2	22.7	22.0	22.0	21.2	21.2	20.5	19.0	20.5
177.5°	21.2	20.5	19.0	17.6	17.6	16.8	16.8	15.4	13.9	13.9
180°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2



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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	13.10	14.41	13.75	15.08	15.85	16.49	17.79	17.13	18.46	19.23
	3H	14.42	15.62	15.08	16.29	17.10	19.30	20.50	19.96	21.17	21.98
	4H	14.82	15.96	15.49	16.65	17.46	20.72	21.86	21.39	22.54	23.36
	6H	15.03	16.09	15.72	16.79	17.62	22.21	23.27	22.89	23.96	24.79
	8H	15.06	16.08	15.76	16.80	17.63	22.96	23.98	23.66	24.69	25.53
	12H	15.07	16.04	15.77	16.75	17.62	23.75	24.73	24.46	25.44	26.30
4H	2H	14.23	15.36	14.90	16.05	16.87	16.82	17.96	17.50	18.65	19.46
	3H	15.83	16.81	16.52	17.53	18.37	19.88	20.85	20.57	21.58	22.41
	4H	16.39	17.29	17.10	18.02	18.88	21.47	22.37	22.18	23.10	23.96
	6H	16.73	17.53	17.46	18.28	19.15	23.17	23.97	23.89	24.72	25.59
	8H	16.81	17.56	17.53	18.30	19.19	24.05	24.80	24.77	25.55	26.43
	12H	16.83	17.52	17.58	18.29	19.18	24.98	25.66	25.73	26.43	27.33
8H	4H	17.44	18.19	18.16	18.93	19.82	21.65	22.40	22.38	23.15	24.03
	6H	18.05	18.69	18.80	19.47	20.36	23.53	24.17	24.29	24.96	25.85
	8H	18.25	18.82	19.01	19.61	20.51	24.56	25.14	25.33	25.93	26.83
	12H	18.36	18.88	19.13	19.66	20.62	25.70	26.21	26.47	26.99	27.95
12H	4H	17.77	18.45	18.52	19.22	20.11	21.65	22.33	22.40	23.10	23.99
	6H	18.54	19.12	19.31	19.91	20.81	23.57	24.15	24.33	24.93	25.84
	8H	18.87	19.39	19.64	20.17	21.13	24.66	25.18	25.43	25.96	26.92