

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: P892579

Luminaire Tested: 2MB-2SL-RNDU-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892579
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-L940
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 4
Light Source: -
Ballast/Driver: -

Summary

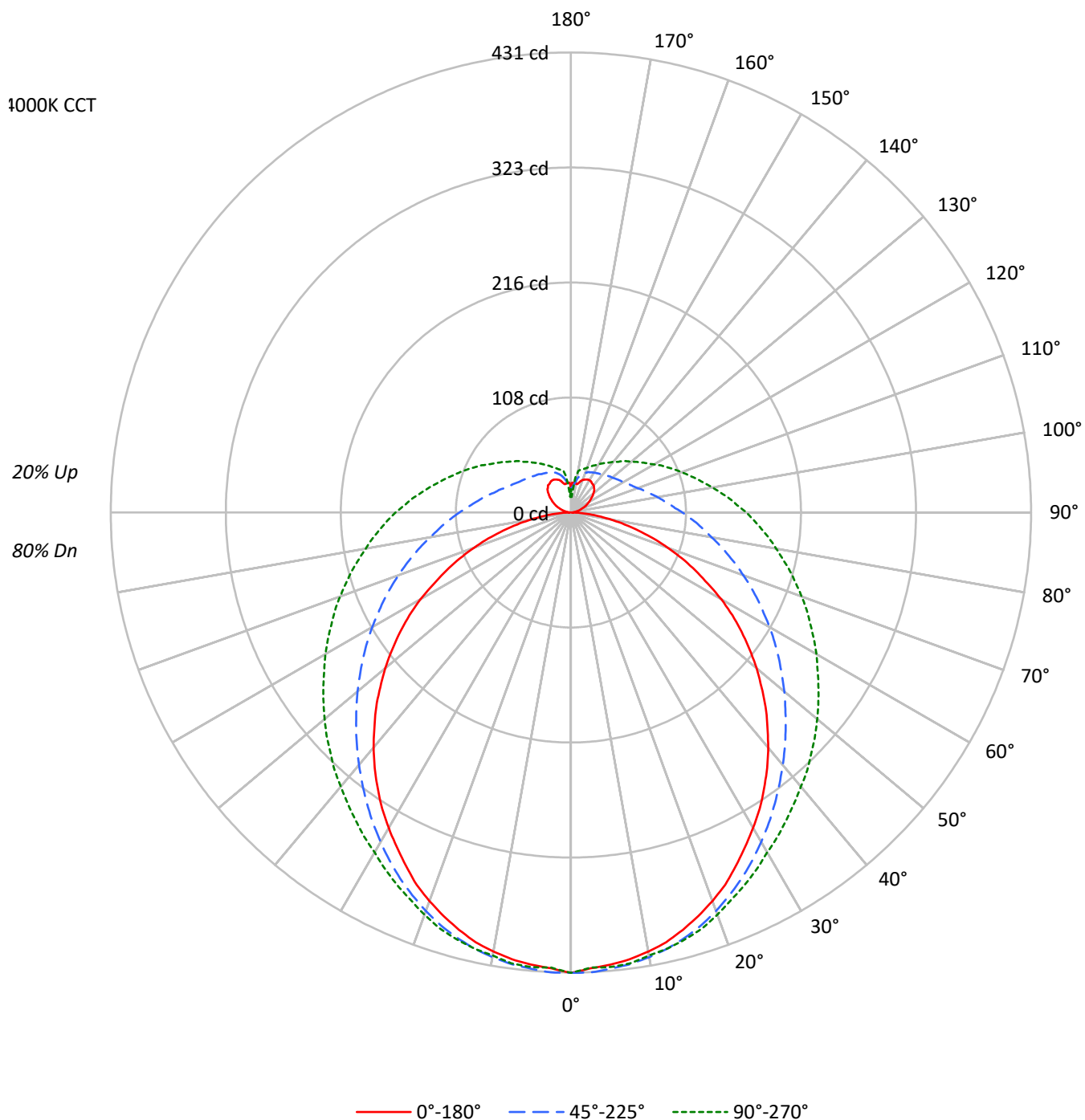
Lumens per Lamp: N/A
Luminaire Lumens: 1812.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 14.9
Input Voltage (V): 120
Input Current (Ain): 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	0
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°	6170	6170	6170
5°	6050	5921	5858
10°	5957	5682	5582
15°	5831	5435	5345
20°	5680	5177	5090
25°	5498	4913	4842
30°	5313	4648	4614
35°	5132	4393	4440
40°	4933	4155	4288
45°	4722	3937	4163
50°	4489	3746	4054
55°	4232	3571	3960
60°	3937	3416	3899
65°	3551	3280	3850
70°	3140	3167	3840
75°	2611	3086	3859
80°	1950	3048	3915
85°	1185	3105	4052

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	2.2
10°-20°	116.4	6.4
20°-30°	174.5	9.6
30°-40°	209.7	11.6
40°-50°	222.3	12.3
50°-60°	214.0	11.8
60°-70°	189.0	10.4
70°-80°	154.7	8.5
80°-90°	120.1	6.6
90°-100°	93.0	5.1
100°-110°	73.8	4.1
110°-120°	59.0	3.3
120°-130°	47.2	2.6
130°-140°	37.2	2.1
140°-150°	28.1	1.6
150°-160°	19.2	1.1
160°-170°	10.3	0.6
170°-180°	2.6	0.1
0°-30°	331.7	18.3
0°-40°	541.4	29.9
0°-60°	977.8	54.0
0°-90°	1441.5	79.6
90°-120°	225.8	12.5
90°-150°	338.4	18.7
90°-180°	370.0	20.4
0°-180°	1812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	431	431	431	431	431	
5°	425	430	429	430	428	40
15°	405	412	412	416	414	114
25°	365	374	378	385	385	168
35°	316	325	333	347	352	197
45°	258	268	284	310	318	199
55°	195	207	238	270	283	174
65°	129	148	193	232	247	128
75°	66	97	152	196	213	70
85°	16	59	119	163	179	17
90°	1	47	104	147	164	1
95°	2	39	92	132	149	2
105°	8	31	73	108	122	8
115°	16	30	61	88	100	15
125°	24	31	54	73	82	21
135°	31	33	48	62	68	24
145°	34	35	45	53	57	21
155°	34	37	42	46	48	16
165°	29	32	36	41	42	8
175°	28	26	25	23	21	3
180°	22	22	22	22	22	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	427.5	429.8	430.5	429.8	429.8	431.3	431.3	434.3	435.1	430.5	431.3
5°	425.2	427.5	429.0	428.2	428.2	429.8	429.0	432.0	432.8	429.0	429.0
7.5°	422.2	424.5	426.0	425.2	425.2	426.7	426.0	429.0	429.8	426.7	426.7
10°	417.7	420.7	422.2	420.7	421.4	423.0	422.2	425.2	426.0	423.0	423.0
12.5°	412.4	415.4	416.9	416.1	416.9	417.7	416.9	420.7	421.4	418.4	418.4
15°	404.8	408.6	409.3	408.6	409.3	411.6	410.1	413.1	415.4	412.4	412.4
17.5°	396.5	400.3	401.8	401.0	402.5	404.0	402.5	406.3	407.8	404.8	405.6
20°	387.4	391.2	392.7	391.9	393.4	395.0	393.4	397.2	398.7	396.5	397.2
22.5°	377.6	381.3	382.9	382.1	383.6	385.1	383.6	387.4	389.7	387.4	388.1
25°	365.4	370.0	371.5	370.7	372.3	374.5	372.3	376.8	379.1	377.6	378.3
27.5°	353.3	357.1	360.2	358.6	360.9	363.2	361.7	364.7	367.7	367.0	367.7
30°	341.2	345.0	348.0	346.5	348.8	351.1	348.8	352.6	355.6	355.6	356.4
32.5°	329.1	332.2	334.4	333.7	335.2	338.2	336.7	340.5	343.5	343.5	345.0
35°	315.5	318.5	320.8	320.1	322.3	324.6	323.1	326.9	330.6	331.4	332.9
37.5°	301.9	304.9	307.2	306.4	307.9	311.0	309.5	314.0	317.0	318.5	320.8
40°	287.5	290.5	292.8	292.1	294.3	296.6	295.8	299.6	303.4	305.7	308.7
42.5°	272.4	275.4	277.7	277.7	280.0	283.0	281.5	286.0	289.8	292.8	296.6
45°	258.0	260.3	262.5	262.5	265.6	267.8	267.1	271.6	276.2	280.0	284.5
47.5°	242.1	245.1	246.7	247.4	250.4	252.7	252.7	257.3	262.5	267.8	272.4
50°	227.0	229.3	231.5	231.5	235.3	237.6	237.6	242.9	249.7	255.7	261.0
52.5°	211.1	213.4	215.6	216.4	219.4	222.4	222.4	228.5	236.1	242.9	248.9
55°	195.2	197.5	199.0	200.5	204.3	206.6	208.1	214.9	223.2	230.0	237.6
57.5°	179.3	180.8	183.1	184.6	189.2	192.2	194.5	202.0	210.3	218.7	226.2
60°	162.7	164.9	166.5	168.7	173.3	177.8	180.1	188.4	197.5	206.6	214.9
62.5°	144.5	146.8	149.1	152.1	158.9	162.7	166.5	175.5	184.6	194.5	203.5
65°	128.6	130.1	132.4	135.4	143.0	147.5	152.1	161.9	172.5	183.1	192.9
67.5°	112.7	114.3	117.3	121.1	129.4	133.9	138.5	149.1	161.2	172.5	182.3
70°	96.8	97.6	101.4	106.7	115.8	120.3	125.6	136.2	148.3	161.2	171.8
72.5°	81.0	82.5	86.3	92.3	102.9	108.2	113.5	125.6	137.7	149.8	161.9
75°	65.8	66.6	71.9	79.4	90.8	96.8	102.9	115.0	127.9	140.7	152.1
77.5°	51.5	52.2	59.0	67.3	79.4	86.3	92.3	104.4	118.0	130.9	143.0
80°	37.8	39.3	46.2	56.7	68.9	75.7	83.2	96.1	109.0	122.6	133.9
82.5°	25.7	28.0	35.6	46.9	59.8	67.3	74.1	87.0	100.6	114.3	125.6
85°	15.9	18.2	27.2	38.6	52.2	59.0	65.8	79.4	93.1	105.9	118.8
87.5°	6.8	11.3	20.4	31.8	45.4	52.2	59.8	72.6	85.5	99.1	111.2
90°	0.8	6.8	15.9	27.2	40.1	46.9	53.7	66.6	79.4	92.3	104.4
92.5°	0.8	4.5	12.9	23.5	35.6	42.4	48.4	61.3	73.4	86.3	97.6
95°	2.3	4.5	11.3	21.2	32.5	38.6	44.6	56.7	68.9	81.0	92.3
97.5°	3.0	5.3	11.3	19.7	29.5	35.6	41.6	53.0	64.3	75.7	87.0
100°	4.5	6.1	11.3	18.9	28.0	33.3	38.6	49.2	60.5	71.9	82.5
102.5°	6.1	7.6	12.1	18.9	27.2	31.8	37.1	46.9	56.7	67.3	77.9
105°	8.3	9.1	12.9	18.9	26.5	31.0	35.6	44.6	53.7	64.3	73.4
107.5°	9.8	10.6	13.6	19.7	26.5	30.3	34.8	42.4	51.5	60.5	70.4
110°	11.3	11.3	15.1	20.4	26.5	29.5	34.0	41.6	49.9	58.3	66.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	13.6	13.6	15.9	21.2	26.5	29.5	33.3	40.1	47.7	56.0	63.6
115°	15.9	15.1	17.4	21.9	27.2	29.5	33.3	39.3	46.2	53.7	61.3
117.5°	17.4	16.6	18.9	22.7	27.2	30.3	33.3	39.3	45.4	52.2	59.0
120°	19.7	18.2	19.7	23.5	28.0	30.3	33.3	38.6	44.6	50.7	56.7
122.5°	21.2	20.4	21.2	25.0	28.8	30.3	33.3	37.8	43.9	49.2	55.2
125°	23.5	21.9	22.7	25.7	29.5	31.0	34.0	37.8	43.1	48.4	53.7
127.5°	25.7	23.5	23.5	26.5	29.5	31.8	34.0	37.8	42.4	46.9	52.2
130°	27.2	25.7	25.0	28.0	30.3	31.8	34.0	37.8	41.6	46.2	50.7
132.5°	29.5	27.2	26.5	28.8	31.0	32.5	34.8	37.8	41.6	45.4	49.9
135°	31.0	28.8	28.0	29.5	31.8	33.3	34.8	37.8	41.6	44.6	48.4
137.5°	31.8	30.3	29.5	30.3	32.5	34.0	35.6	37.8	40.9	43.9	47.7
140°	33.3	31.8	31.0	31.8	33.3	34.0	35.6	37.8	40.9	43.1	46.9
142.5°	33.3	33.3	31.8	32.5	33.3	34.8	36.3	37.8	40.1	43.1	45.4
145°	34.0	34.0	33.3	34.0	34.0	34.8	36.3	37.8	40.1	42.4	44.6
147.5°	34.8	34.8	34.8	34.8	34.8	35.6	36.3	37.8	40.1	41.6	43.9
150°	34.8	34.8	35.6	35.6	36.3	36.3	37.1	37.8	40.1	41.6	43.1
152.5°	34.8	34.0	35.6	36.3	37.1	37.1	37.1	37.8	39.3	40.9	42.4
155°	34.0	33.3	34.8	35.6	36.3	37.1	37.8	37.8	39.3	40.1	41.6
157.5°	33.3	32.5	34.0	34.8	35.6	36.3	37.1	37.1	37.8	39.3	40.9
160°	32.5	31.8	32.5	34.0	34.8	35.6	36.3	36.3	37.1	37.8	39.3
162.5°	31.0	30.3	31.0	32.5	33.3	34.0	34.8	35.6	36.3	37.1	37.8
165°	28.8	28.8	28.8	30.3	31.8	32.5	33.3	34.0	34.8	35.6	36.3
167.5°	27.2	26.5	27.2	28.0	29.5	30.3	31.0	31.8	32.5	33.3	34.0
170°	27.2	26.5	26.5	27.2	28.0	28.0	28.8	29.5	30.3	31.0	31.8
172.5°	28.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	28.0	28.0
175°	28.0	28.0	27.2	27.2	26.5	26.5	26.5	26.5	25.7	25.0	25.0
177.5°	28.0	28.0	28.0	27.2	27.2	26.5	26.5	26.5	25.7	25.0	23.5
180°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	430.5	430.5	427.5	430.5	431.3	429.8	429.0	430.5	428.2	426.7
5°	429.0	429.0	426.7	429.8	430.5	429.0	429.0	430.5	428.2	427.5
7.5°	426.0	426.7	425.2	428.2	429.0	427.5	427.5	429.0	427.5	426.0
10°	423.0	423.0	422.2	424.5	424.5	423.7	423.0	424.5	423.7	421.4
12.5°	418.4	419.2	417.7	420.7	421.4	419.9	419.9	421.4	419.9	418.4
15°	413.1	413.1	413.1	415.4	416.1	415.4	415.4	416.9	415.4	413.9
17.5°	406.3	407.1	407.1	410.1	410.8	409.3	409.3	411.6	410.8	408.6
20°	398.0	398.7	399.5	401.8	402.5	401.8	401.8	403.3	403.3	401.0
22.5°	389.7	389.7	391.2	393.4	394.2	393.4	393.4	395.7	395.7	392.7
25°	379.8	379.8	382.1	385.1	385.1	384.4	385.1	386.6	387.4	385.1
27.5°	370.0	370.7	373.0	376.0	376.0	376.0	376.0	378.3	378.3	376.8
30°	358.6	360.2	362.4	365.4	366.2	366.2	367.0	368.5	370.0	367.7
32.5°	347.3	348.8	351.8	355.6	356.4	357.1	357.9	360.9	362.4	360.2
35°	335.9	337.5	342.0	346.5	347.3	348.0	349.6	352.6	354.1	351.8
37.5°	324.6	326.9	332.9	336.7	338.2	339.0	341.2	343.5	346.5	343.5
40°	314.0	316.3	323.1	327.6	328.4	329.9	332.2	335.2	337.5	335.2
42.5°	302.6	305.7	312.5	317.8	319.3	320.8	323.1	326.1	329.1	327.6
45°	291.3	295.1	302.6	307.9	309.5	311.7	314.8	317.8	320.8	318.5
47.5°	280.0	284.5	292.8	298.1	299.6	302.6	305.7	308.7	311.7	310.2
50°	268.6	273.1	282.2	288.3	290.5	293.6	295.8	299.6	302.6	301.1
52.5°	258.0	262.5	272.4	278.4	280.7	283.7	286.8	290.5	293.6	292.1
55°	245.9	251.2	261.8	267.8	270.1	273.9	277.7	280.7	284.5	283.0
57.5°	235.3	241.4	252.0	258.8	261.0	264.8	268.6	272.4	276.2	273.9
60°	224.7	230.8	242.1	248.9	251.2	255.7	259.5	262.5	267.1	265.6
62.5°	214.1	220.9	231.5	239.1	242.1	245.9	249.7	253.5	257.3	256.5
65°	202.8	210.3	221.7	229.3	232.3	236.8	240.6	244.4	248.2	247.4
67.5°	193.7	201.3	212.6	220.2	223.2	227.7	232.3	236.1	239.8	239.1
70°	183.1	191.4	202.8	210.3	213.4	217.9	222.4	226.2	230.0	230.0
72.5°	174.0	182.3	193.7	201.3	205.0	209.6	214.1	217.9	221.7	220.9
75°	164.9	173.3	184.6	192.2	196.0	201.3	205.8	209.6	213.4	212.6
77.5°	155.1	164.2	175.5	183.1	186.9	192.2	196.7	200.5	204.3	203.5
80°	146.0	155.9	167.2	174.8	178.6	183.1	188.4	192.2	196.0	195.2
82.5°	137.7	147.5	159.6	167.2	171.0	175.5	180.8	184.6	187.6	187.6
85°	130.1	139.2	150.6	158.9	162.7	167.2	172.5	176.3	180.1	179.3
87.5°	122.6	131.7	142.2	150.6	154.4	158.9	164.9	168.7	171.8	171.8
90°	115.8	124.8	135.4	143.0	146.8	151.3	156.6	161.2	164.2	164.2
92.5°	109.7	118.0	128.6	135.4	139.2	143.8	149.8	152.8	155.9	155.9
95°	103.7	112.0	121.8	128.6	132.4	136.9	142.2	146.0	148.3	149.1
97.5°	97.6	105.9	115.8	121.8	125.6	130.1	135.4	138.5	140.7	141.5
100°	92.3	100.6	109.7	115.8	119.5	124.1	128.6	131.7	133.9	134.7
102.5°	87.8	95.3	104.4	110.5	113.5	117.3	122.6	125.6	127.9	127.9
105°	83.2	90.8	99.1	105.2	108.2	112.0	116.5	119.5	121.8	121.8
107.5°	78.7	86.3	93.8	99.9	102.9	105.9	110.5	113.5	115.8	115.8
110°	74.9	81.7	89.3	94.6	97.6	100.6	105.2	108.2	109.7	110.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	71.9	77.9	84.7	90.0	93.1	96.1	99.9	102.9	104.4	105.2
115°	68.9	74.1	81.0	85.5	88.5	91.6	95.3	97.6	99.1	99.9
117.5°	65.8	71.1	77.2	81.7	84.0	87.0	90.8	93.1	94.6	95.3
120°	63.6	68.1	74.1	77.9	80.2	83.2	86.3	88.5	90.0	90.0
122.5°	60.5	65.8	70.4	74.1	76.4	78.7	82.5	84.0	85.5	85.5
125°	59.0	62.8	68.1	71.1	73.4	75.7	78.7	80.2	81.7	81.7
127.5°	56.7	60.5	65.1	68.1	69.6	71.9	74.9	76.4	77.2	77.9
130°	55.2	59.0	62.8	65.8	67.3	68.9	71.9	72.6	74.1	74.1
132.5°	53.7	56.7	60.5	62.8	64.3	65.8	68.1	69.6	70.4	71.1
135°	52.2	55.2	58.3	60.5	62.0	63.6	65.8	66.6	67.3	68.1
137.5°	50.7	53.7	56.0	58.3	59.0	60.5	62.8	63.6	64.3	64.3
140°	49.2	52.2	54.5	56.0	57.5	58.3	60.5	61.3	61.3	62.0
142.5°	48.4	50.7	52.2	53.7	55.2	56.0	57.5	58.3	59.0	59.0
145°	46.9	49.2	50.7	52.2	53.0	53.7	55.2	56.0	56.7	56.7
147.5°	46.2	47.7	49.2	50.7	51.5	52.2	53.7	53.7	54.5	54.5
150°	44.6	46.9	47.7	49.2	49.9	49.9	51.5	52.2	52.2	52.2
152.5°	43.9	45.4	46.2	46.9	47.7	48.4	49.2	49.9	49.9	49.9
155°	43.1	44.6	45.4	46.2	46.2	46.9	47.7	47.7	47.7	48.4
157.5°	42.4	43.1	43.9	44.6	44.6	45.4	46.2	46.2	46.2	46.2
160°	40.9	41.6	42.4	43.1	43.9	43.9	44.6	44.6	44.6	44.6
162.5°	38.6	40.1	40.9	41.6	42.4	42.4	43.1	43.1	43.1	43.1
165°	37.1	37.8	38.6	40.1	40.9	40.9	41.6	41.6	41.6	41.6
167.5°	35.6	35.6	36.3	37.1	38.6	39.3	40.1	40.9	40.9	40.9
170°	32.5	32.5	33.3	33.3	34.8	35.6	37.1	38.6	39.3	39.3
172.5°	28.8	28.8	29.5	28.8	29.5	29.5	30.3	31.8	33.3	34.0
175°	25.0	25.0	23.5	22.7	22.7	21.9	21.9	21.2	19.7	21.2
177.5°	21.9	21.2	19.7	18.2	18.2	17.4	17.4	15.9	14.4	14.4
180°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9

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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	13.22	14.52	13.86	15.19	15.96	16.60	17.91	17.24	18.58	19.35
	3H	14.54	15.73	15.19	16.41	17.21	19.41	20.61	20.07	21.29	22.09
	4H	14.93	16.07	15.61	16.76	17.58	20.83	21.97	21.51	22.66	23.47
	6H	15.14	16.20	15.83	16.90	17.73	22.32	23.38	23.01	24.08	24.91
	8H	15.18	16.19	15.87	16.91	17.75	23.07	24.09	23.77	24.81	25.64
	12H	15.18	16.16	15.89	16.87	17.73	23.86	24.84	24.57	25.55	26.42
4H	2H	14.34	15.48	15.02	16.16	16.98	16.94	18.07	17.61	18.76	19.58
	3H	15.95	16.92	16.64	17.64	18.48	19.99	20.97	20.68	21.69	22.52
	4H	16.51	17.40	17.21	18.13	18.99	21.59	22.49	22.29	23.21	24.07
	6H	16.85	17.64	17.57	18.39	19.26	23.29	24.08	24.01	24.83	25.70
	8H	16.92	17.67	17.65	18.42	19.30	24.16	24.91	24.89	25.66	26.54
	12H	16.95	17.63	17.70	18.40	19.29	25.09	25.78	25.84	26.55	27.44
8H	4H	17.55	18.30	18.28	19.05	19.93	21.77	22.51	22.49	23.26	24.15
	6H	18.16	18.80	18.92	19.59	20.47	23.65	24.29	24.40	25.08	25.96
	8H	18.36	18.94	19.13	19.73	20.63	24.68	25.26	25.44	26.04	26.94
	12H	18.48	18.99	19.25	19.77	20.73	25.81	26.33	26.58	27.11	28.06
12H	4H	17.88	18.56	18.63	19.34	20.23	21.76	22.44	22.51	23.22	24.11
	6H	18.66	19.23	19.42	20.02	20.92	23.68	24.26	24.45	25.05	25.95
	8H	18.99	19.50	19.76	20.28	21.24	24.78	25.29	25.55	26.07	27.03