

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: P894220

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC93-LOW-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-FLTU-UNV-CC93-LOW-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 4000K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

Summary

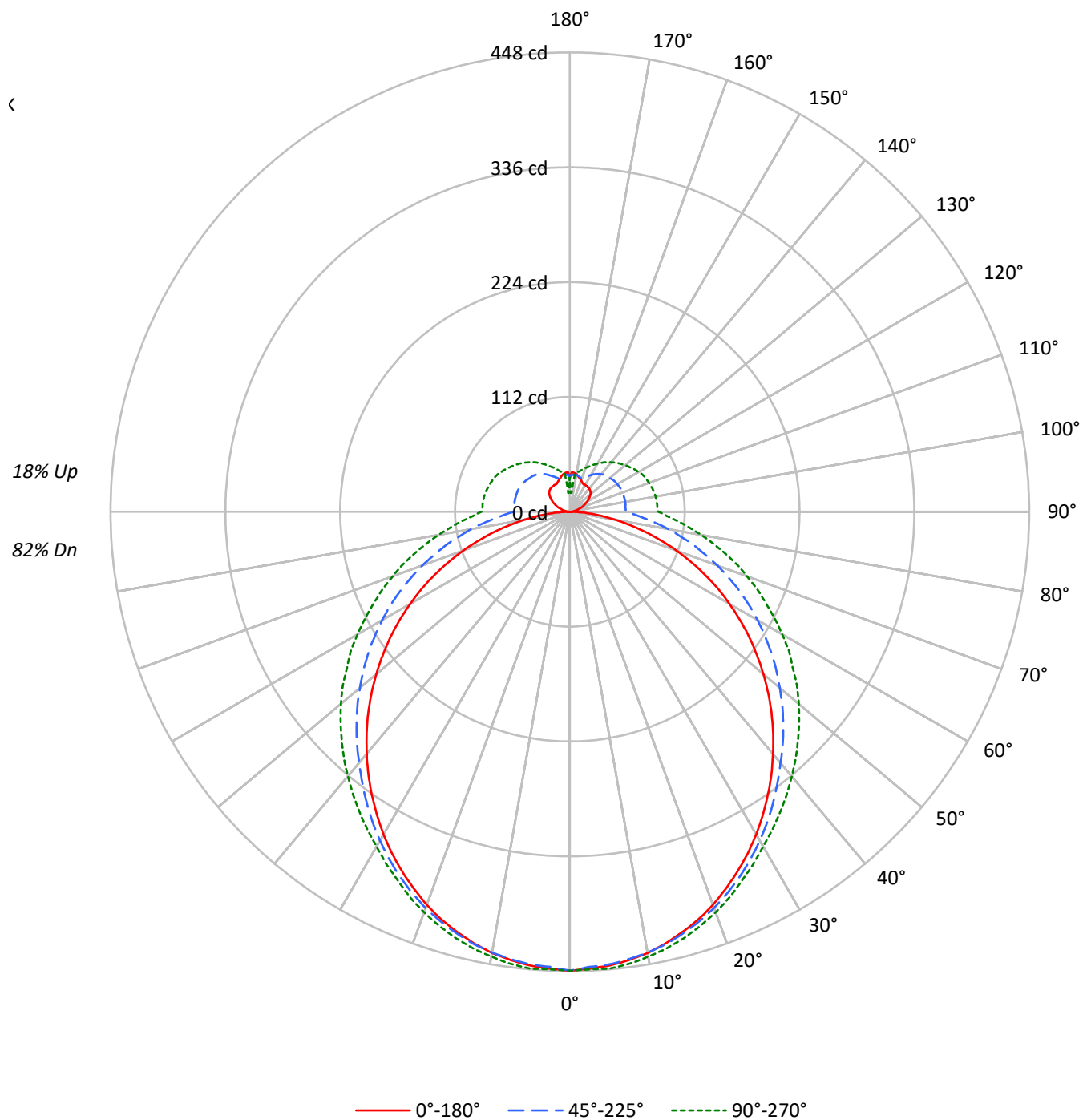
Lumens per Lamp: N/A
Luminaire Lumens: 1692.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 16.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-LOW-4000K

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3185	3185	3185
5°	3159	3051	3048
10°	3128	2934	2903
15°	3082	2817	2764
20°	3031	2697	2624
25°	2967	2572	2482
30°	2898	2443	2352
35°	2822	2315	2245
40°	2742	2189	2143
45°	2661	2079	2046
50°	2568	1965	1951
55°	2468	1853	1846
60°	2346	1733	1746
65°	2202	1607	1632
70°	2015	1468	1527
75°	1757	1327	1413
80°	1422	1175	1297
85°	981	1021	1190

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2661 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	2.5
10°-20°	120.7	7.1
20°-30°	181.4	10.7
30°-40°	217.8	12.9
40°-50°	229.0	13.5
50°-60°	215.2	12.7
60°-70°	178.9	10.6
70°-80°	127.7	7.5
80°-90°	76.0	4.5
90°-100°	55.0	3.3
100°-110°	54.3	3.2
110°-120°	51.0	3.0
120°-130°	45.2	2.7
130°-140°	37.4	2.2
140°-150°	28.0	1.7
150°-160°	18.4	1.1
160°-170°	10.5	0.6
170°-180°	3.3	0.2
0°-30°	344.4	20.4
0°-40°	562.2	33.2
0°-60°	1006.3	59.5
0°-90°	1388.9	82.1
90°-120°	160.3	9.5
90°-150°	270.9	16.0
90°-180°	303.0	17.9
0°-180°	1692.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	444	450	443	444	447	42
15°	424	431	426	429	430	120
25°	387	394	392	396	397	178
35°	337	345	346	354	358	211
45°	278	286	294	309	315	215
55°	214	222	240	260	265	191
65°	146	157	182	205	211	144
75°	76	94	125	149	156	81
85°	19	42	73	98	106	21
90°	0	24	54	78	86	1
95°	2	25	54	77	85	2
105°	8	28	55	76	84	8
115°	15	31	54	73	80	15
125°	23	33	53	69	74	20
135°	28	34	50	62	67	22
145°	30	34	45	56	59	19
155°	30	34	38	47	50	14
165°	35	37	36	36	42	10
175°	38	38	36	31	18	4
180°	34	34	34	34	34	

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CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-LOW-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6
2.5°	445.9	447.2	447.6	451.6	450.0	451.6	448.8	445.5	444.7	446.7	444.3
5°	444.3	445.5	445.9	450.0	448.4	449.6	447.2	443.9	443.1	445.5	443.1
7.5°	441.0	442.2	442.7	447.2	445.1	446.7	443.9	440.6	440.2	442.7	440.2
10°	436.9	438.2	438.6	442.7	441.0	442.7	439.8	436.5	436.1	439.0	436.5
12.5°	431.2	432.4	433.3	437.3	435.3	437.3	434.1	430.8	431.2	433.7	432.0
15°	424.3	425.9	426.3	430.4	428.8	430.8	427.5	424.3	425.1	427.5	425.9
17.5°	416.9	418.5	419.0	422.6	421.0	423.4	419.8	416.9	417.7	420.2	419.0
20°	407.9	409.6	410.4	414.0	412.4	414.9	411.2	408.7	409.6	412.4	411.2
22.5°	397.7	400.1	400.6	404.6	402.6	405.1	401.4	399.3	400.6	403.4	402.2
25°	387.1	389.5	389.9	394.0	392.4	394.4	390.7	388.7	390.3	393.2	392.4
27.5°	375.6	378.1	378.9	382.6	380.9	383.4	379.3	378.1	379.7	382.6	381.8
30°	363.4	365.8	366.2	369.9	368.7	371.1	367.5	365.8	368.3	371.1	370.3
32.5°	350.3	352.7	354.0	357.2	356.0	358.1	354.8	354.0	356.0	358.9	358.5
35°	336.8	339.2	340.5	344.2	342.5	344.6	341.3	340.5	343.7	345.8	345.8
37.5°	322.9	325.4	326.6	330.3	328.2	330.7	327.4	327.0	330.7	332.7	332.7
40°	308.2	311.0	312.3	315.5	313.9	316.0	313.1	313.5	316.8	319.2	319.6
42.5°	293.5	296.3	297.6	301.2	299.2	301.2	298.8	299.2	302.9	305.3	307.4
45°	278.3	280.8	282.0	286.1	283.7	286.1	283.7	284.5	288.2	291.8	294.3
47.5°	262.4	264.9	266.9	270.2	268.1	270.2	268.5	269.8	274.3	277.9	281.2
50°	246.5	248.9	251.0	253.8	251.8	254.6	252.6	254.2	260.0	263.6	267.3
52.5°	230.1	232.2	235.4	237.1	235.4	238.7	237.1	239.5	245.2	249.7	253.8
55°	213.8	215.8	219.1	220.3	218.7	222.4	221.1	224.4	230.5	235.4	239.9
57.5°	197.0	199.1	201.9	203.1	201.9	206.0	205.6	209.3	215.4	220.7	225.6
60°	179.8	181.9	184.3	185.6	185.6	189.7	189.7	194.1	200.7	205.6	211.3
62.5°	163.1	164.3	166.8	168.4	169.6	173.7	173.7	178.6	185.6	191.3	197.0
65°	145.5	146.7	148.8	150.8	152.9	157.4	157.8	163.1	170.0	175.8	182.3
67.5°	127.9	129.2	131.2	133.7	136.5	141.0	141.8	147.6	154.9	161.4	167.6
70°	110.8	111.2	113.6	116.9	120.2	124.7	125.9	132.0	139.8	146.3	152.9
72.5°	93.6	94.0	96.5	100.5	104.2	109.1	110.8	117.3	125.1	131.6	138.2
75°	76.4	76.8	80.1	85.0	89.1	93.6	95.6	102.6	110.4	117.3	124.7
77.5°	60.1	60.9	64.2	69.1	74.0	79.3	81.3	88.3	96.9	103.4	110.4
80°	45.0	45.8	49.5	54.8	60.1	65.0	67.4	74.4	83.4	89.9	97.7
82.5°	31.1	32.3	36.8	42.5	47.8	53.1	55.6	62.1	70.3	77.7	85.0
85°	19.2	20.8	25.3	31.5	37.2	42.1	44.6	51.5	59.3	66.2	73.2
87.5°	9.0	11.4	15.9	22.1	28.2	32.3	35.2	42.1	49.5	56.4	63.4
90°	0.0	3.7	8.2	14.3	20.4	24.1	27.4	33.9	41.3	47.8	54.4
92.5°	0.8	4.1	9.0	14.7	20.8	24.5	27.8	34.3	41.3	47.8	54.4
95°	2.0	4.5	9.4	15.5	21.7	25.3	28.2	34.7	41.7	48.2	54.4
97.5°	3.7	5.7	10.6	16.3	22.5	25.8	29.0	35.6	42.1	48.6	54.8
100°	4.9	6.5	11.4	17.2	23.3	26.6	29.8	36.0	42.5	49.0	54.8
102.5°	6.1	8.2	12.7	18.0	24.1	27.4	30.2	36.4	42.9	49.0	54.8
105°	7.8	9.4	13.5	19.2	24.9	28.2	31.1	37.2	43.3	49.5	54.8
107.5°	9.4	10.6	14.7	20.0	25.8	28.6	31.5	37.6	43.7	49.5	54.8
110°	11.4	12.3	15.9	20.8	26.2	29.4	32.3	38.0	43.7	49.5	54.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	13.5	13.5	17.2	21.7	27.0	29.8	32.7	38.4	44.1	49.5	54.8
115°	15.1	15.5	18.4	22.5	27.8	30.7	33.1	38.4	44.1	49.5	54.4
117.5°	17.2	17.2	20.0	23.3	28.2	31.1	33.9	38.8	44.1	49.0	54.0
120°	19.2	18.8	21.3	24.5	29.0	31.5	34.3	39.2	44.1	49.0	53.5
122.5°	21.3	20.4	22.1	25.3	29.4	32.3	34.3	39.2	44.1	48.6	53.1
125°	22.9	22.1	23.3	26.6	30.2	32.7	34.7	39.2	44.1	48.2	52.7
127.5°	24.5	23.7	24.9	27.4	30.7	32.7	35.2	39.2	44.1	47.8	51.9
130°	26.2	24.9	26.6	28.2	31.5	33.1	35.2	39.2	43.7	47.4	51.1
132.5°	27.4	26.2	27.8	29.0	31.9	33.5	35.6	39.2	43.3	47.0	50.7
135°	28.2	27.0	29.0	29.8	32.7	34.3	36.0	39.2	42.9	46.6	49.9
137.5°	29.0	27.4	29.8	30.7	33.1	34.7	36.0	38.8	42.5	45.8	49.0
140°	29.4	28.2	30.7	31.5	32.7	34.3	36.0	38.4	41.7	45.0	47.8
142.5°	29.8	28.2	31.1	31.9	32.7	33.9	35.6	37.6	40.9	43.7	46.6
145°	29.8	28.6	31.1	31.9	32.7	33.5	34.7	37.2	39.6	42.1	45.0
147.5°	29.8	29.0	31.5	32.3	33.1	33.1	33.9	36.4	38.4	40.9	43.3
150°	30.2	29.0	31.5	32.3	33.5	33.5	33.9	35.2	37.6	39.2	41.3
152.5°	29.8	29.4	31.1	32.7	33.5	33.9	33.9	34.3	36.4	38.0	39.6
155°	30.2	30.2	31.5	33.5	33.9	33.9	34.3	33.9	34.7	36.4	38.0
157.5°	31.1	31.9	31.9	33.9	34.7	34.7	35.2	34.7	34.3	34.7	36.4
160°	32.3	33.1	33.1	34.3	35.6	35.6	36.0	35.6	35.2	34.7	34.7
162.5°	33.5	34.3	34.3	34.7	36.0	36.4	36.8	36.4	36.0	35.2	34.7
165°	34.7	35.6	35.6	35.6	36.4	36.8	37.2	36.8	36.8	36.0	35.6
167.5°	36.0	36.8	36.8	36.4	36.8	37.2	37.6	37.2	37.2	36.8	36.0
170°	37.2	38.0	38.0	37.2	37.6	37.6	38.0	37.6	37.6	36.8	36.4
172.5°	38.0	38.8	38.4	38.0	38.0	38.0	38.0	37.6	37.2	36.4	36.4
175°	38.4	39.2	39.2	38.4	38.0	38.0	38.4	37.6	37.2	36.8	36.0
177.5°	38.4	39.2	39.2	38.4	38.4	38.0	38.4	38.0	38.0	37.2	36.4
180°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6	447.6
2.5°	445.9	445.5	443.1	445.9	445.9	445.1	448.4	448.0	447.6	446.7
5°	444.3	443.9	441.4	444.3	444.3	443.9	447.2	447.6	448.0	447.2
7.5°	441.8	441.4	439.0	441.8	441.8	441.4	445.1	445.5	445.9	444.7
10°	438.2	437.8	435.3	438.2	438.6	438.2	441.0	441.4	442.2	440.6
12.5°	433.3	433.3	430.8	433.7	434.1	433.7	436.5	437.3	438.2	436.1
15°	427.1	427.5	425.5	428.4	428.8	428.8	431.6	432.0	433.3	430.4
17.5°	419.8	420.6	419.0	421.8	422.2	422.6	424.3	425.5	426.7	423.4
20°	412.0	412.4	411.2	413.6	414.5	414.0	416.1	417.7	419.0	415.7
22.5°	402.6	403.0	401.8	404.2	405.1	405.5	407.1	409.1	410.0	407.1
25°	392.0	393.6	392.8	395.2	396.1	396.1	397.7	399.7	401.0	396.9
27.5°	381.8	383.8	383.0	385.4	386.3	386.7	387.5	389.9	391.2	387.5
30°	370.3	372.8	372.4	374.8	375.6	375.2	376.9	379.3	380.9	376.9
32.5°	357.6	360.9	360.5	363.8	364.6	365.0	366.2	369.5	371.1	367.5
35°	345.4	349.1	349.5	353.1	354.4	354.8	356.4	359.7	361.3	357.6
37.5°	332.7	337.6	338.8	342.5	343.7	344.2	345.8	349.5	351.1	347.4
40°	320.4	326.2	327.8	331.1	332.3	333.5	334.8	338.4	340.5	336.8
42.5°	308.2	314.3	316.4	319.6	320.9	322.1	323.7	327.8	329.4	326.2
45°	295.5	302.1	304.5	307.8	309.4	310.6	312.3	316.0	318.0	314.7
47.5°	282.8	289.4	291.8	295.5	297.1	298.8	300.0	304.5	306.5	303.3
50°	269.4	276.7	279.6	282.8	285.3	286.5	288.2	292.2	294.3	291.4
52.5°	255.9	263.6	266.9	270.2	272.6	274.7	275.5	280.0	282.0	279.2
55°	242.0	249.7	253.4	257.1	259.5	262.0	262.8	267.3	269.4	265.3
57.5°	228.1	236.2	239.9	244.0	246.1	248.9	250.1	254.2	256.3	253.4
60°	214.2	221.9	226.4	230.1	233.0	235.4	236.2	240.7	242.8	239.1
62.5°	199.9	208.0	212.5	216.6	219.1	221.9	223.2	227.3	228.9	225.2
65°	185.2	193.3	198.2	201.9	205.2	207.6	208.5	212.9	214.6	210.9
67.5°	170.4	178.6	183.9	188.0	190.9	193.7	194.6	199.1	200.7	197.8
70°	156.1	164.3	169.6	174.5	176.6	179.4	180.7	184.7	186.4	183.9
72.5°	141.8	150.0	155.7	160.6	162.7	165.5	167.2	170.4	172.9	170.9
75°	127.9	136.1	141.8	146.7	148.8	151.6	153.3	156.5	158.2	156.5
77.5°	114.4	122.6	127.9	132.8	135.3	137.7	139.4	142.6	144.7	143.1
80°	101.4	109.5	114.9	119.4	121.8	124.3	125.9	129.6	131.2	130.0
82.5°	89.1	96.9	102.6	107.1	109.5	112.0	113.6	116.9	118.9	117.3
85°	78.1	85.8	91.1	95.6	97.7	100.1	101.8	105.0	106.7	105.9
87.5°	67.4	74.4	80.5	85.0	87.1	89.5	91.6	94.0	96.1	94.8
90°	59.3	65.4	71.1	75.6	78.1	80.5	83.0	85.4	87.1	86.2
92.5°	59.7	65.4	70.7	74.8	77.3	79.7	82.2	85.0	86.2	85.4
95°	59.7	65.4	70.7	74.8	77.3	79.7	82.2	85.0	86.2	85.4
97.5°	59.7	65.4	70.7	74.8	77.3	79.7	82.2	85.0	86.2	85.0
100°	59.7	65.4	70.7	74.8	77.3	79.3	81.7	84.6	85.8	85.0
102.5°	59.7	65.4	70.3	74.4	76.8	78.9	81.3	84.2	85.4	84.6
105°	59.7	65.0	70.3	74.0	76.4	78.5	80.9	83.4	84.6	83.8
107.5°	59.3	64.6	69.5	73.6	75.6	77.7	80.1	82.6	83.8	83.0
110°	59.3	64.2	69.1	72.8	74.8	76.8	79.3	81.7	83.0	82.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	58.9	63.8	68.7	71.9	74.0	76.0	78.1	80.9	82.2	81.3
115°	58.4	63.4	67.8	71.1	73.2	74.8	77.3	80.1	80.9	80.5
117.5°	58.0	62.5	67.0	70.3	72.3	74.0	76.0	78.5	79.7	79.3
120°	57.6	61.7	66.2	69.1	71.1	72.8	74.4	76.8	78.1	77.3
122.5°	56.8	60.9	65.4	68.3	69.9	71.5	73.2	75.2	76.4	76.0
125°	56.0	60.1	64.2	67.0	68.7	69.9	71.5	73.6	74.4	74.0
127.5°	55.2	59.3	62.9	65.4	67.4	68.7	69.9	71.9	72.8	72.3
130°	54.4	58.0	61.7	64.2	65.8	67.0	68.3	70.3	70.7	70.7
132.5°	53.5	56.8	60.5	62.9	64.6	65.4	66.6	68.3	69.1	68.7
135°	52.7	55.6	59.3	61.3	62.5	63.8	65.0	66.6	67.0	67.0
137.5°	51.5	54.4	57.6	59.7	60.9	61.7	62.9	64.6	65.0	65.0
140°	50.3	53.1	56.0	57.6	59.3	60.1	60.9	62.5	62.9	62.9
142.5°	49.0	51.5	54.4	56.0	57.6	58.0	59.3	60.5	60.9	60.9
145°	47.4	50.3	52.7	54.4	55.6	56.0	57.2	58.4	58.4	58.9
147.5°	45.4	47.8	51.1	52.3	53.5	54.0	55.2	56.0	56.4	56.4
150°	43.3	45.8	48.6	50.7	51.9	52.3	52.7	54.0	54.0	54.4
152.5°	41.3	43.3	46.2	48.2	49.9	50.3	50.7	51.5	51.5	51.9
155°	39.2	40.9	43.3	45.4	47.0	47.8	48.6	49.5	49.5	49.9
157.5°	37.6	39.2	41.3	42.9	44.1	45.4	46.6	47.4	47.4	47.4
160°	35.6	36.8	38.8	40.1	41.7	42.5	44.6	45.4	45.4	45.8
162.5°	34.3	34.7	36.0	37.2	38.4	39.2	41.3	43.3	43.3	43.7
165°	34.7	34.3	34.7	35.2	36.0	36.4	37.6	40.5	41.3	41.7
167.5°	35.6	34.3	34.3	34.3	35.2	35.2	36.4	38.0	40.9	40.1
170°	35.6	34.3	33.5	33.5	33.9	33.5	34.3	35.6	37.2	38.8
172.5°	36.0	34.7	33.5	31.9	32.3	31.9	31.1	31.1	31.5	36.8
175°	35.6	34.7	33.1	31.1	30.7	29.4	27.0	24.9	23.7	18.4
177.5°	35.2	33.9	32.7	31.1	30.2	29.0	26.2	22.9	19.6	18.8
180°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5

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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	11.71	13.03	12.32	13.66	14.38	14.26	15.58	14.87	16.21	16.93
	3H	13.11	14.31	13.74	14.95	15.71	16.69	17.89	17.32	18.53	19.29
	4H	13.54	14.68	14.19	15.33	16.10	17.83	18.96	18.47	19.62	20.39
	6H	13.78	14.84	14.44	15.50	16.29	18.96	20.02	19.63	20.69	21.47
	8H	13.82	14.83	14.49	15.52	16.31	19.52	20.53	20.20	21.22	22.01
	12H	13.83	14.80	14.51	15.48	16.30	20.11	21.07	20.78	21.76	22.57
4H	2H	12.60	13.73	13.25	14.39	15.16	14.61	15.74	15.26	16.40	17.17
	3H	14.22	15.19	14.88	15.88	16.67	17.24	18.21	17.90	18.90	19.69
	4H	14.78	15.66	15.46	16.36	17.18	18.53	19.41	19.21	20.11	20.93
	6H	15.11	15.89	15.81	16.61	17.44	19.84	20.62	20.54	21.34	22.17
	8H	15.19	15.92	15.89	16.64	17.48	20.50	21.23	21.20	21.95	22.79
	12H	15.22	15.89	15.95	16.63	17.47	21.20	21.86	21.92	22.61	23.45
8H	4H	15.42	16.16	16.13	16.88	17.72	18.68	19.41	19.38	20.13	20.97
	6H	15.93	16.55	16.66	17.31	18.15	20.14	20.75	20.87	21.51	22.36
	8H	16.08	16.64	16.83	17.40	18.26	20.92	21.47	21.66	22.23	23.09
	12H	16.17	16.67	16.92	17.42	18.34	21.78	22.27	22.53	23.02	23.94
12H	4H	15.59	16.25	16.31	17.00	17.84	18.67	19.34	19.40	20.08	20.92
	6H	16.19	16.74	16.93	17.51	18.36	20.15	20.71	20.90	21.47	22.33
	8H	16.42	16.92	17.17	17.67	18.58	20.99	21.48	21.73	22.23	23.15