

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: P894309

Luminaire Tested: 4MB-SC3-RND-UNV-CC93-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-RND-UNV-CC93-LOW-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3500K CCT, LOW I_a setting
Light Source: -
Ballast/Driver: -

Summary

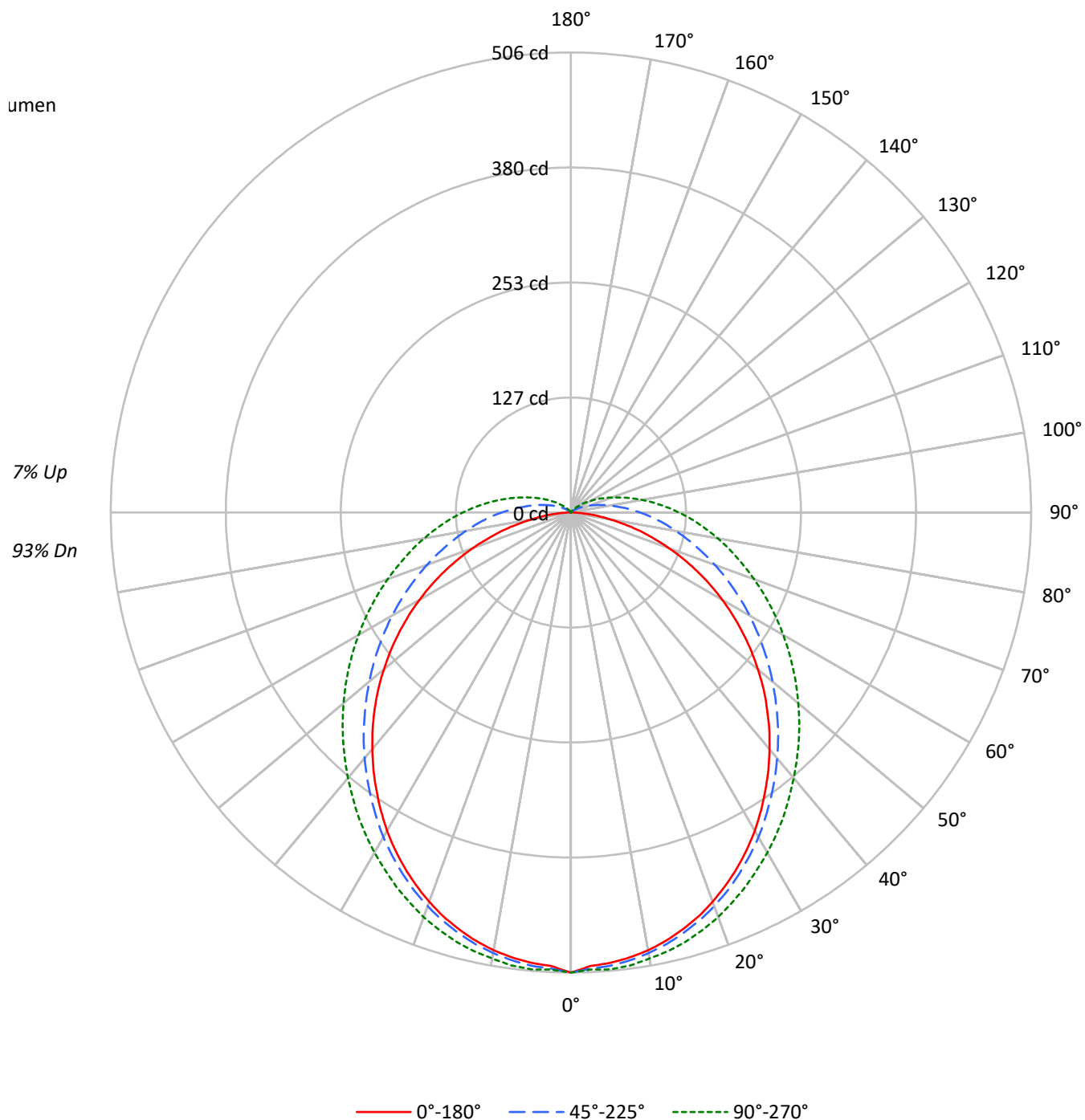
Lumens per Lamp: N/A
Luminaire Lumens: 1675.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16.7
Input Voltage (V): 120
Input Current (A_{in}): 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-RND-UNV-CC93-LOW-3500K

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3600	3600	3600
5°	3552	3574	3603
10°	3532	3555	3599
15°	3497	3526	3599
20°	3450	3489	3585
25°	3391	3441	3565
30°	3321	3389	3548
35°	3239	3328	3542
40°	3155	3277	3542
45°	3068	3231	3565
50°	2971	3203	3611
55°	2863	3197	3698
60°	2738	3229	3836
65°	2586	3313	4066
70°	2396	3501	4456
75°	2166	3895	5171
80°	1832	4802	6716
85°	1486	7821	11502

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 21189 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	2.9
10°-20°	136.3	8.1
20°-30°	204.1	12.2
30°-40°	243.4	14.5
40°-50°	252.5	15.1
50°-60°	234.2	14.0
60°-70°	195.4	11.7
70°-80°	145.7	8.7
80°-90°	97.0	5.8
90°-100°	59.1	3.5
100°-110°	33.0	2.0
110°-120°	16.5	1.0
120°-130°	6.9	0.4
130°-140°	2.2	0.1
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	388.3	23.2
0°-40°	631.7	37.7
0°-60°	1118.4	66.8
0°-90°	1556.5	92.9
90°-120°	108.5	6.5
90°-150°	118.1	7.1
90°-180°	119.0	7.1
0°-180°	1675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	506	506	506	506	506	
5°	497	509	500	503	504	47
15°	475	487	479	487	489	134
25°	432	443	438	450	454	199
35°	373	383	383	402	408	233
45°	305	313	321	346	354	235
55°	231	239	258	288	298	206
65°	154	166	197	230	242	152
75°	79	101	142	176	188	83
85°	18	50	96	129	141	20
90°	1	33	76	107	119	1
95°	0	20	59	88	98	0
105°	0	6	32	54	63	0
115°	0	2	15	30	36	0
125°	0	0	6	15	18	0
135°	0	0	2	5	7	0
145°	0	0	0	1	2	0
155°	1	1	0	0	0	0
165°	1	1	0	0	0	0
175°	1	1	1	0	0	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0
2.5°	499.2	500.0	507.2	506.8	505.6	510.3	511.5	507.6	501.2	507.6	502.0
5°	497.3	498.1	505.2	504.8	503.6	508.7	509.1	505.6	499.2	505.6	500.4
7.5°	493.7	494.5	501.6	501.2	500.4	505.6	505.2	502.4	495.7	502.4	496.9
10°	488.9	489.3	496.9	496.1	495.7	500.8	499.6	497.3	490.5	497.3	492.1
12.5°	482.6	483.0	490.5	489.7	489.7	494.5	492.9	490.9	484.2	490.5	486.2
15°	474.7	475.1	482.2	481.8	481.8	487.0	484.6	483.0	476.7	483.4	478.7
17.5°	466.0	465.6	473.1	472.3	473.1	477.9	474.7	473.9	468.0	474.3	470.3
20°	455.7	455.7	462.4	462.0	463.2	467.6	463.6	464.0	458.1	464.8	460.8
22.5°	444.2	443.8	450.5	450.5	451.7	456.1	451.7	452.9	447.0	453.3	450.2
25°	431.9	431.1	437.9	437.9	439.9	443.4	438.7	440.3	434.7	441.0	438.3
27.5°	418.5	417.3	424.0	424.4	426.0	429.6	424.4	426.8	421.6	427.6	425.6
30°	404.2	403.0	409.8	410.2	412.1	414.9	409.8	412.9	408.2	414.1	412.5
32.5°	388.8	388.0	394.3	395.1	397.1	399.1	394.3	397.5	393.5	399.5	397.9
35°	372.9	372.2	378.1	379.3	381.3	382.8	377.7	382.1	378.5	384.0	383.2
37.5°	356.7	355.5	361.9	362.7	365.0	365.8	361.1	366.2	363.0	368.6	368.2
40°	339.7	338.5	344.8	345.6	348.0	348.0	344.0	349.6	347.2	352.4	352.8
42.5°	322.7	321.5	327.0	328.6	330.6	330.6	326.6	332.6	331.0	336.1	337.3
45°	304.9	303.7	308.8	310.4	312.8	312.8	308.8	315.5	314.4	319.5	321.1
47.5°	287.4	285.8	290.6	292.2	294.6	294.2	291.0	297.7	297.3	302.5	305.2
50°	268.4	267.2	272.0	273.6	276.3	275.6	273.2	280.3	280.3	285.5	289.4
52.5°	249.8	248.6	253.4	255.0	257.3	257.3	255.0	262.5	263.7	268.8	273.6
55°	230.8	229.2	234.0	235.6	238.3	238.7	236.8	244.3	246.7	252.6	257.7
57.5°	211.8	211.0	215.0	216.6	220.1	220.1	218.9	226.9	230.0	236.4	242.3
60°	192.4	191.6	195.2	197.2	201.1	201.9	201.1	209.4	213.8	220.1	226.9
62.5°	173.0	172.2	175.8	178.6	182.9	183.7	184.1	192.8	197.6	204.3	211.8
65°	153.6	152.8	156.4	159.6	164.7	165.9	167.1	176.2	181.7	188.8	196.8
67.5°	134.2	133.8	137.4	141.3	146.9	148.5	150.4	159.9	166.3	173.8	182.5
70°	115.2	114.8	118.4	123.1	129.9	131.8	134.2	143.7	151.6	159.6	168.3
72.5°	96.2	96.6	100.6	106.1	113.6	115.6	118.8	128.7	137.4	145.7	154.8
75°	78.8	78.8	83.1	89.5	97.8	100.6	104.1	114.4	123.5	132.2	141.7
77.5°	61.0	61.0	66.1	74.0	83.1	85.9	90.3	101.0	110.9	119.6	129.1
80°	44.7	45.5	51.5	59.4	68.9	72.5	77.6	88.3	99.0	107.7	117.2
82.5°	30.5	31.7	38.0	47.1	56.6	60.2	65.3	76.8	87.5	96.6	106.5
85°	18.2	20.2	26.9	36.0	45.9	49.9	55.4	66.1	76.8	85.9	95.8
87.5°	8.3	11.1	18.2	27.3	36.8	41.2	45.9	56.2	66.9	76.0	86.3
90°	0.8	4.8	11.9	19.8	28.9	32.9	37.6	47.5	57.8	66.1	76.0
92.5°	0.0	2.0	7.1	14.3	22.2	26.1	30.5	40.0	49.1	57.4	66.9
95°	0.0	0.8	4.0	9.9	16.6	20.2	24.2	32.9	42.0	49.9	58.6
97.5°	0.0	0.4	2.4	6.7	12.3	15.4	19.0	26.9	35.2	42.8	50.7
100°	0.0	0.4	1.2	4.4	9.1	11.5	15.0	21.8	29.3	36.0	43.9
102.5°	0.0	0.0	0.8	2.8	6.7	8.7	11.5	17.4	24.2	30.5	37.6
105°	0.0	0.0	0.4	2.0	4.8	6.3	8.7	13.9	19.8	25.3	32.1
107.5°	0.0	0.0	0.4	1.2	3.2	4.8	6.7	10.7	15.8	21.0	26.9
110°	0.4	0.4	0.4	0.8	2.4	3.6	4.8	8.3	13.1	17.4	22.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.4	0.4	0.4	0.4	1.6	2.4	3.6	6.3	10.3	13.9	18.6
115°	0.4	0.4	0.4	0.4	1.2	1.6	2.4	4.8	7.9	11.1	15.0
117.5°	0.4	0.4	0.4	0.4	0.8	1.2	1.6	3.6	5.9	8.7	12.3
120°	0.4	0.4	0.4	0.4	0.4	0.8	1.2	2.4	4.8	6.7	9.9
122.5°	0.4	0.4	0.4	0.4	0.4	0.8	0.8	2.0	3.6	5.1	7.5
125°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	2.4	4.0	5.9
127.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.6	2.8	4.4
130°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	2.0	3.2
132.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.6	2.4
135°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2	1.6
137.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	1.2
140°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
145°	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
147.5°	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
150°	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4
167.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4
170°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0	506.0
2.5°	503.6	504.8	506.0	502.8	504.8	508.3	509.5	504.8	506.4	503.2
5°	502.0	502.8	504.4	500.4	503.2	506.4	508.3	504.4	506.8	504.4
7.5°	498.8	499.6	501.6	497.7	501.2	504.0	506.4	502.4	504.8	502.4
10°	494.1	495.3	498.1	493.3	497.7	500.0	502.4	498.1	500.4	498.1
12.5°	488.2	490.1	492.5	488.2	492.5	494.5	497.7	493.3	496.1	494.1
15°	481.0	483.0	486.2	481.8	487.4	488.9	492.1	487.8	490.5	488.6
17.5°	472.7	475.1	479.1	473.9	480.2	481.4	484.6	480.6	483.4	481.4
20°	463.2	465.6	469.5	464.8	471.1	471.9	475.5	471.9	474.7	473.5
22.5°	452.1	454.9	458.9	454.5	461.2	461.2	465.6	462.0	465.2	464.0
25°	440.6	443.8	448.2	443.4	450.5	450.5	455.3	451.7	454.9	454.1
27.5°	428.4	431.9	437.1	432.3	439.5	439.1	443.8	440.6	444.2	443.0
30°	415.3	419.3	424.4	420.5	428.0	427.2	431.9	429.2	432.3	431.9
32.5°	401.1	405.4	411.7	407.4	414.9	414.1	420.1	416.9	420.9	420.1
35°	386.8	391.6	397.9	393.9	402.2	401.1	407.0	404.2	408.2	407.8
37.5°	372.2	377.3	383.6	380.5	388.4	387.2	393.5	391.2	395.5	394.3
40°	357.1	362.3	369.0	366.2	374.5	372.9	379.7	377.7	382.1	381.3
42.5°	342.1	347.6	354.3	352.8	360.7	359.1	365.8	364.2	368.6	367.8
45°	326.6	332.6	339.7	338.1	346.4	344.8	351.6	350.4	354.7	354.3
47.5°	311.2	317.5	324.6	323.9	331.8	330.2	337.3	336.1	340.5	340.5
50°	295.3	302.5	309.6	309.2	317.1	315.5	321.9	321.9	326.6	326.2
52.5°	279.5	287.0	294.6	294.6	302.5	300.9	308.0	307.6	312.4	312.4
55°	264.5	271.2	278.7	280.3	287.8	285.5	293.0	293.8	297.7	298.1
57.5°	249.4	256.6	264.1	266.1	273.2	271.6	278.7	279.5	283.5	283.9
60°	234.4	241.1	248.6	251.4	258.5	256.9	264.1	264.9	269.2	269.6
62.5°	219.3	226.1	234.4	237.2	243.9	242.7	250.2	251.0	255.0	255.8
65°	204.7	211.8	219.7	223.7	230.0	228.4	236.0	236.8	241.1	241.5
67.5°	190.4	197.6	205.5	209.8	215.8	215.0	222.1	223.7	227.3	228.0
70°	176.6	183.7	192.0	196.4	202.3	201.9	208.6	209.8	213.8	214.2
72.5°	163.1	170.2	178.6	183.7	188.8	188.5	195.2	196.8	200.7	201.1
75°	150.1	157.6	165.5	171.0	176.2	175.8	182.5	184.1	187.7	188.1
77.5°	137.8	145.3	153.6	159.2	163.5	163.9	169.8	171.4	175.0	176.2
80°	126.3	133.4	141.3	147.3	151.2	152.0	157.6	159.6	162.3	163.9
82.5°	115.2	122.3	130.3	135.8	139.8	140.5	145.7	148.1	150.8	152.0
85°	104.5	111.6	119.2	125.1	128.7	129.1	134.2	136.6	139.0	140.9
87.5°	94.2	101.4	108.5	114.8	118.0	118.8	123.5	125.9	127.9	129.9
90°	83.9	91.1	98.2	104.1	107.3	107.7	112.8	115.2	117.2	118.8
92.5°	74.4	81.6	88.7	94.6	97.4	98.2	102.5	105.3	106.9	108.5
95°	65.3	72.5	78.8	85.1	87.9	89.1	93.0	95.4	97.4	98.2
97.5°	57.4	63.7	69.7	76.0	78.4	79.6	83.5	86.3	87.9	88.7
100°	49.9	55.8	61.4	67.3	69.7	70.9	74.4	76.8	78.4	79.6
102.5°	43.2	48.7	53.8	59.4	61.8	62.6	65.7	68.1	69.7	70.9
105°	37.2	42.4	47.1	52.3	54.2	55.4	58.2	60.2	61.8	62.6
107.5°	31.7	36.8	40.8	45.5	47.5	48.3	51.1	53.4	54.6	55.0
110°	26.9	31.3	35.2	39.2	41.6	42.4	44.7	46.7	47.9	48.3

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CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-LOW-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	22.6	26.5	30.1	33.7	35.6	36.4	38.8	40.8	41.6	42.0
115°	18.6	22.6	25.3	28.9	30.5	31.3	33.3	35.2	35.6	36.4
117.5°	15.0	18.6	21.4	24.2	25.7	26.5	28.1	29.7	30.5	30.9
120°	12.3	15.0	17.4	20.2	21.4	22.2	23.8	25.3	25.7	26.1
122.5°	9.9	12.3	14.3	16.6	17.8	18.6	19.8	21.0	21.4	21.8
125°	7.5	9.9	11.5	13.5	14.6	15.0	16.2	17.4	17.8	18.2
127.5°	5.9	7.5	9.1	10.7	11.5	11.9	13.1	13.9	14.3	14.6
130°	4.4	5.5	6.7	8.3	9.1	9.5	10.3	11.1	11.5	11.5
132.5°	3.2	4.4	5.1	6.3	6.7	7.1	7.9	8.7	8.7	9.1
135°	2.0	2.8	3.6	4.4	5.1	5.1	5.9	6.3	6.7	6.7
137.5°	1.6	2.0	2.4	3.2	3.6	4.0	4.0	4.8	4.8	4.8
140°	1.2	1.6	1.6	2.0	2.4	2.8	2.8	3.2	3.2	3.2
142.5°	0.8	1.2	1.2	1.6	1.6	2.0	2.0	2.0	2.4	2.4
145°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.6	1.6	1.6
147.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
150°	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
152.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
177.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

TEST NUMBER: P894309

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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	14.74	16.27	15.21	16.73	17.22	16.31	17.84	16.78	18.30	18.79
	3H	16.41	17.82	16.90	18.28	18.81	18.93	20.34	19.42	20.80	21.33
	4H	17.01	18.34	17.52	18.83	19.37	20.25	21.58	20.75	22.06	22.60
	6H	17.41	18.65	17.93	19.15	19.71	21.65	22.89	22.17	23.39	23.95
	8H	17.53	18.72	18.06	19.24	19.80	22.40	23.59	22.93	24.11	24.67
	12H	17.60	18.74	18.14	19.26	19.85	23.25	24.39	23.79	24.91	25.50
4H	2H	15.67	17.00	16.17	17.48	18.02	16.86	18.19	17.37	18.68	19.22
	3H	17.65	18.78	18.16	19.31	19.87	19.78	20.91	20.29	21.44	22.00
	4H	18.42	19.46	18.96	20.00	20.60	21.30	22.34	21.84	22.88	23.48
	6H	19.00	19.92	19.56	20.49	21.09	22.94	23.86	23.50	24.43	25.04
	8H	19.18	20.05	19.74	20.61	21.24	23.83	24.69	24.39	25.26	25.88
	12H	19.31	20.10	19.89	20.69	21.31	24.83	25.62	25.41	26.21	26.84
8H	4H	19.30	20.17	19.86	20.73	21.35	21.66	22.53	22.22	23.09	23.71
	6H	20.18	20.92	20.77	21.52	22.15	23.56	24.30	24.16	24.91	25.53
	8H	20.53	21.19	21.14	21.81	22.45	24.65	25.31	25.25	25.93	26.57
	12H	20.80	21.40	21.41	22.00	22.71	25.91	26.51	26.52	27.11	27.82
12H	4H	19.58	20.36	20.16	20.96	21.58	21.70	22.49	22.29	23.08	23.71
	6H	20.63	21.30	21.24	21.91	22.55	23.67	24.34	24.28	24.96	25.60
	8H	21.15	21.74	21.76	22.35	23.05	24.87	25.46	25.48	26.07	26.78