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: P1594673

Luminaire Tested: FLXB-4860-W-LOW-3000K

Issue Date: 10/2/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594673
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2601781A001)
Test Lab:	INNOVATION CENTER
Issue Date:	10/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	FLXB-4860-W-LOW-3000K
Description:	4860 FlexBay Linear High bay at W beam, LOW lumen, 3000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	47595.9 lumens
Efficiency:	N/A
Efficacy:	161.6 lumens/watt
Spacing Criteria (0/90/45):	1.28 / 1.33 / 1.41
Luminous Opening:	Rectangular (W 1.04' x L: 2.12' x H: 0')
CIE Type:	Direct

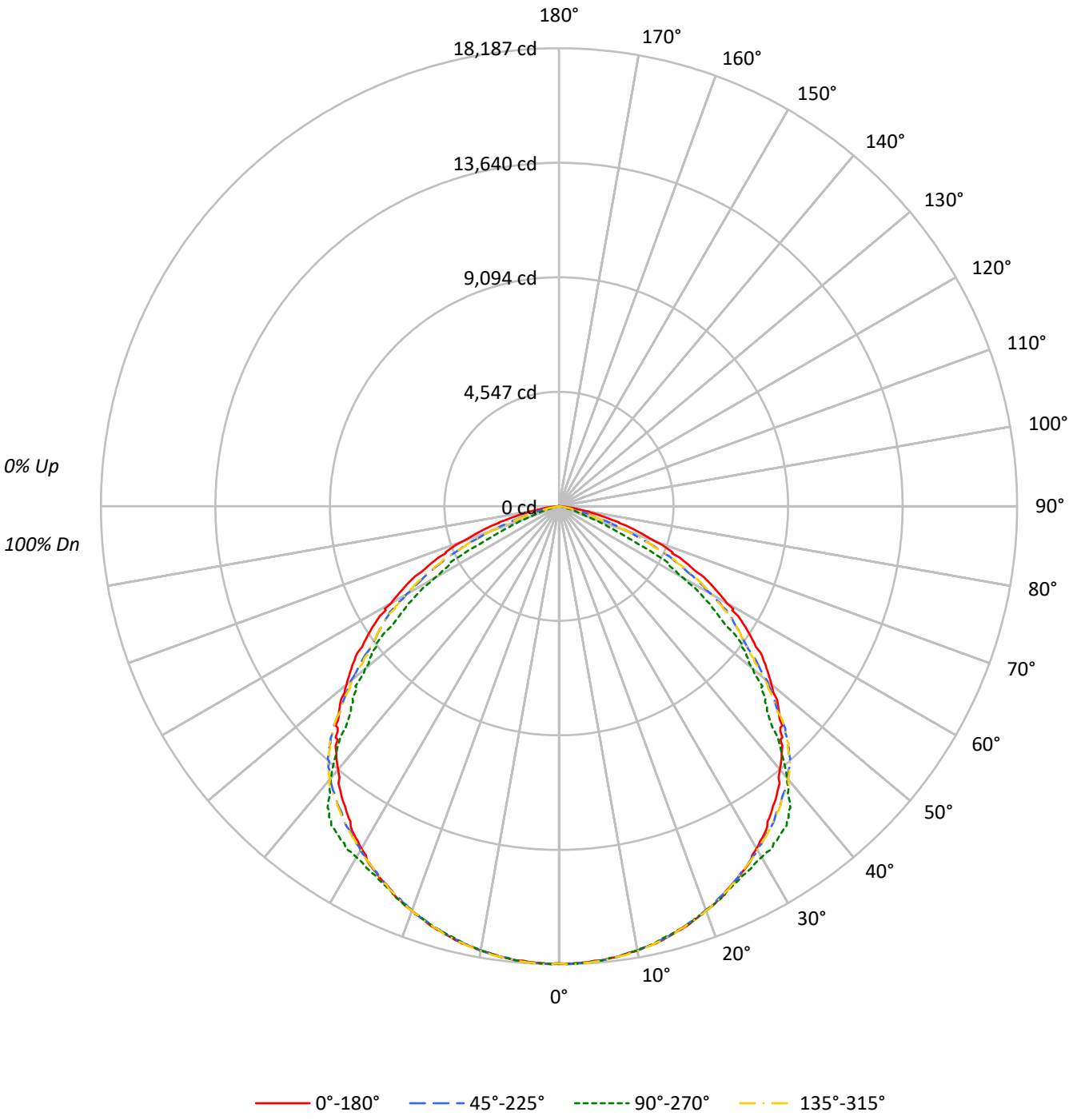
Input Watts (W):	294.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	88267	88267	88267	88267
5°	88378	88388	88378	88388
10°	88447	88409	88447	88409
15°	88460	88276	88460	88276
20°	88338	88336	88338	88336
25°	88347	88659	88347	88659
30°	88070	90315	88070	90315
35°	87509	92609	87509	92609
40°	86557	89413	86557	89413
45°	85464	80886	85464	80886
50°	83301	75990	83301	75990
55°	80166	67221	80166	67221
60°	74880	55687	74880	55687
65°	67567	37566	67567	37566
70°	57409	17760	57409	17760
75°	46383	7320	46383	7320
80°	30610	4097	30610	4097
85°	19471	3548	19471	3548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
Vertical Angle: 45.5°
Luminance: 88842 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1722.6	3.6
10°-20°	4958.3	10.4
20°-30°	7601.9	16.0
30°-40°	9412.7	19.8
40°-50°	9614.2	20.2
50°-60°	7845.6	16.5
60°-70°	4808.2	10.1
70°-80°	1445.4	3.0
80°-90°	159.2	0.3
90°-100°	2.1	0.0
100°-110°	0.9	0.0
110°-120°	2.5	0.0
120°-130°	4.1	0.0
130°-140°	5.0	0.0
140°-150°	5.0	0.0
150°-160°	4.3	0.0
160°-170°	2.9	0.0
170°-180°	1.0	0.0
0°-30°	14282.7	30.0
0°-40°	23695.4	49.8
0°-60°	41155.3	86.5
0°-90°	47568.0	99.9
90°-120°	5.5	0.0
90°-150°	19.7	0.0
90°-180°	28.0	0.1
0°-180°	47595.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	18152	18152	18152	18152	18152	
5°	18106	18108	18106	18108	18106	1722
15°	17572	17535	17572	17535	17572	4962
25°	16466	16525	16466	16525	16466	7593
35°	14742	15601	14742	15601	14742	9228
45°	12428	11762	12428	11762	12428	9594
55°	9456	7929	9456	7929	9456	8464
65°	5872	3265	5872	3265	5872	5862
75°	2469	390	2469	390	2469	2577
85°	349	64	349	64	349	405
90°	43	12	43	12	43	28
95°	0	0	0	0	0	1
105°	1	0	1	0	1	1
115°	3	2	3	2	3	3
125°	5	4	5	4	5	4
135°	7	7	7	7	7	5
145°	8	8	8	8	8	5
155°	9	9	9	9	9	4
165°	10	10	10	10	10	3
175°	10	11	10	11	10	1
180°	11	11	11	11	11	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	18152.3	18152.3	18152.3	18152.3	18152.3	*18152.3*	18152.3	18152.3	18152.3	18152.3	18152.3
0.5°	18152.3	18152.3	18152.3	18152.3	18152.3	*18152.3*	18152.3	18152.3	18152.3	18152.3	18152.3
1°	18171.5	18173.2	18181.4	18185.2	18181.9	*18192.3*	18171.5	18173.2	18181.4	18185.2	18181.9
1.5°	18164.9	18163.3	18181.4	18165.5	18177.0	*18181.4*	18164.9	18163.3	18181.4	18165.5	18177.0
2°	*18145.8*	*18163.3*	*18151.3*	*18167.1*	*18177.0*	*18196.2*	*18145.8*	*18163.3*	*18151.3*	*18167.1*	*18177.0*
2.5°	18141.4	18156.7	18151.3	18168.8	18167.1	*18196.2*	18141.4	18156.7	18151.3	18168.8	18167.1
3°	18147.4	18156.7	18161.1	18141.4	18167.1	*18157.3*	18147.4	18156.7	18161.1	18141.4	18167.1
3.5°	18134.8	18138.1	18161.1	18149.6	18152.3	*18160.0*	18134.8	18138.1	18161.1	18149.6	18152.3
4°	18123.3	18133.7	18125.0	18133.2	18152.3	*18161.7*	18123.3	18133.7	18125.0	18133.2	18152.3
4.5°	18094.8	18114.5	18125.0	18114.5	18128.8	*18141.9*	18094.8	18114.5	18125.0	18114.5	18128.8
5°	18105.8	18108.5	18110.2	18108.0	18128.8	*18132.6*	18105.8	18108.5	18110.2	18108.0	18128.8
5.5°	18098.1	18097.6	18101.4	18108.5	18103.0	*18117.8*	18098.1	18097.6	18101.4	18108.5	18103.0
6°	18081.7	18087.1	18087.1	18078.9	18074.6	*18101.4*	18081.7	18087.1	18087.1	18078.9	18074.6
6.5°	18046.6	18065.8	18041.1	18064.1	18074.6	*18089.3*	18046.6	18065.8	18041.1	18064.1	18074.6
7°	18049.3	18034.0	18041.1	18054.3	18040.0	*18087.1*	18049.3	18034.0	18041.1	18054.3	18040.0
7.5°	18029.1	18034.0	18024.1	18037.8	18040.0	*18028.5*	18029.1	18034.0	18024.1	18037.8	18040.0
8°	17990.7	17997.8	18024.1	17995.7	18003.3	*18028.5*	17990.7	17997.8	18024.1	17995.7	18003.3
8.5°	17974.3	17997.8	17962.8	17971.0	18003.3	*18014.3*	17974.3	17997.8	17962.8	17971.0	18003.3
9°	17935.9	17958.9	17962.8	17939.8	17958.4	*17979.8*	17935.9	17958.9	17962.8	17939.8	17958.4
9.5°	17933.7	17940.3	17933.2	17912.9	17958.4	*17952.9*	17933.7	17940.3	17933.2	17912.9	17958.4
10°	17912.9	17909.6	17906.9	17905.2	17905.8	*17932.6*	17912.9	17909.6	17906.9	17905.2	17905.8
10.5°	17885.0	17888.8	17875.1	17864.2	17852.6	*17910.2*	17885.0	17888.8	17875.1	17864.2	17852.6
11°	17836.2	17857.0	17809.4	17832.4	17852.6	*17881.7*	17836.2	17857.0	17809.4	17832.4	17852.6
11.5°	17828.5	17835.1	17809.4	17812.7	17790.7	*17862.5*	17828.5	17835.1	17809.4	17812.7	17790.7
12°	17801.7	17799.5	17759.5	17789.1	17790.7	*17822.5*	17801.7	17799.5	17759.5	17789.1	17790.7
12.5°	17777.0	17736.5	17759.5	17740.9	17727.2	*17780.9*	17777.0	17736.5	17759.5	17740.9	17727.2
13°	17730.5	17736.5	17670.2	17686.6	17727.2	*17742.5*	17730.5	17736.5	17670.2	17686.6	17727.2
13.5°	17708.5	17669.7	17670.2	17643.3	17654.9	*17742.5*	17708.5	17669.7	17670.2	17643.3	17654.9
14°	17645.5	17669.7	17618.7	17602.3	17654.9	*17648.3*	17645.5	17669.7	17618.7	17602.3	17654.9
14.5°	17609.4	17596.2	17618.7	17580.3	17583.6	*17618.2*	17609.4	17596.2	17618.7	17580.3	17583.6
15°	17572.1	17562.8	17531.0	17535.4	17583.6	*17587.5*	17572.1	17562.8	17531.0	17535.4	17583.6
15.5°	17513.0	17521.2	17482.3	17489.4	17505.8	*17542.5*	17513.0	17521.2	17482.3	17489.4	17505.8
16°	17494.3	17484.5	17454.3	17459.3	17425.8	*17506.4*	17494.3	17484.5	17454.3	17459.3	17425.8
16.5°	17457.1	17435.7	17382.6	17430.2	17425.8	*17456.5*	17457.1	17435.7	17382.6	17430.2	17425.8
17°	17417.1	17347.5	17382.6	17373.2	17345.8	*17406.1*	17417.1	17347.5	17382.6	17373.2	17345.8
17.5°	17356.8	17347.5	17275.7	17336.5	17345.8	*17338.2*	17356.8	17347.5	17275.7	17336.5	17345.8
18°	17275.2	17259.8	17275.7	17304.2	17257.6	*17338.2*	17275.2	17259.8	17275.7	17304.2	17257.6
18.5°	17241.2	17259.8	17207.8	17206.1	17216.0	*17217.6*	17241.2	17259.8	17207.8	17206.1	17216.0
19°	17189.1	17162.3	17207.8	17176.5	17167.2	*17178.2*	17189.1	17162.3	17207.8	17176.5	17167.2
19.5°	17141.5	17120.7	17100.9	17176.5	17167.2	*17140.4*	17141.5	17120.7	17100.9	17176.5	17167.2
20°	17071.3	17062.6	17047.2	17070.8	17067.0	*17081.2*	17071.3	17062.6	17047.2	17070.8	17067.0
20.5°	17041.2	17012.7	17013.3	17026.4	17067.0	*17027.0*	17041.2	17012.7	17013.3	17026.4	17067.0
21°	16991.4	16956.8	16915.7	16993.0	16968.9	*16972.2*	16991.4	16956.8	16915.7	16993.0	16968.9
21.5°	16936.6	16907.0	16915.7	16932.7	16867.5	*16914.7*	16936.6	16907.0	16915.7	16932.7	16867.5
22°	16861.0	16842.3	16800.1	16879.6	16867.5	*16862.1*	16861.0	16842.3	16800.1	16879.6	16867.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	16823.7	16732.7	16800.1	16841.8	16759.6	*16817.1*	16823.7	16732.7	16800.1	16841.8	16759.6
23°	16763.4	16732.7	16705.4	16788.6	16759.6	*16674.7*	16763.4	16732.7	16705.4	16788.6	16759.6
23.5°	16644.0	16617.7	16705.4	16682.9	16652.2	*16674.7*	16644.0	16617.7	16705.4	16682.9	16652.2
24°	16590.3	16617.7	16572.8	16639.6	16652.2	*16577.7*	16590.3	16617.7	16572.8	16639.6	16652.2
24.5°	16510.3	16494.4	16572.8	16575.5	16533.9	*16503.7*	16510.3	16494.4	16572.8	16575.5	16533.9
25°	16466.5	16432.5	16472.0	16524.6	16533.9	*16433.6*	16466.5	16432.5	16472.0	16524.6	16533.9
25.5°	16402.9	16361.8	16411.7	16482.4	16418.8	*16373.3*	16402.9	16361.8	16411.7	16482.4	16418.8
26°	16336.6	16296.1	16344.3	16426.5	16297.2	*16310.9*	16336.6	16296.1	16344.3	16426.5	16297.2
26.5°	16249.5	16227.6	16223.2	16365.7	16297.2	*16240.2*	16249.5	16227.6	16223.2	16365.7	16297.2
27°	16199.6	16164.0	16223.2	16349.8	16176.6	*16180.5*	16199.6	16164.0	16223.2	16349.8	16176.6
27.5°	16131.2	16093.4	16116.9	16299.4	16176.6	*16021.6*	16131.2	16093.4	16116.9	16299.4	16176.6
28°	16064.9	15950.9	16116.9	16264.8	16068.7	*16021.6*	16064.9	15950.9	16116.9	16264.8	16068.7
28.5°	15977.7	15950.9	15971.2	16196.4	16068.7	*15899.4*	15977.7	15950.9	15971.2	16196.4	16068.7
29°	15827.1	15807.4	15971.2	16149.2	15955.8	*15899.4*	15827.1	15807.4	15971.2	16149.2	15955.8
29.5°	15765.7	15807.4	15876.4	16115.3	15955.8	*15730.1*	15765.7	15807.4	15876.4	16115.3	15955.8
30°	15685.2	15653.9	15876.4	16085.1	15847.9	*15593.7*	15685.2	15653.9	15876.4	16085.1	15847.9
30.5°	15607.4	15578.9	15745.4	16057.7	15847.9	*15593.7*	15607.4	15578.9	15745.4	16057.7	15847.9
31°	15506.0	15502.7	15745.4	16013.4	15737.8	*15510.4*	15506.0	15502.7	15745.4	16013.4	15737.8
31.5°	15443.5	15423.8	15636.4	16016.6	15627.1	*15436.4*	15443.5	15423.8	15636.4	16016.6	15627.1
32°	15362.5	15344.4	15538.3	15989.3	15627.1	*15351.5*	15362.5	15344.4	15538.3	15989.3	15627.1
32.5°	15278.6	15176.2	15538.3	15860.0	15535.6	*15266.0*	15278.6	15176.2	15538.3	15860.0	15535.6
33°	15175.6	15176.2	15424.4	15860.0	15535.6	*15119.7*	15175.6	15176.2	15424.4	15860.0	15535.6
33.5°	15006.9	15096.2	15424.4	15780.0	15417.3	*15119.7*	15006.9	15096.2	15424.4	15780.0	15417.3
34°	14928.5	15017.3	15354.2	15712.0	15417.3	*14929.6*	14928.5	15017.3	15354.2	15712.0	15417.3
34.5°	14832.1	14840.3	15354.2	15661.1	15291.8	*14851.8*	14832.1	14840.3	15354.2	15661.1	15291.8
35°	14741.7	14759.2	15216.2	15600.8	15291.8	*14777.3*	14741.7	14759.2	15216.2	15600.8	15291.8
35.5°	14629.9	14670.5	15105.0	15567.4	15176.2	*14683.6*	14629.9	14670.5	15105.0	15567.4	15176.2
36°	14552.7	14582.8	15065.5	15403.6	15121.4	*14595.4*	14552.7	14582.8	15065.5	15403.6	15121.4
36.5°	14460.1	14501.2	15003.0	15343.8	15054.0	*14511.0*	14460.1	14501.2	15003.0	15343.8	15054.0
37°	14362.0	14411.9	14918.7	15143.3	14897.3	*14423.9*	14362.0	14411.9	14918.7	15143.3	14897.3
37.5°	14245.3	14329.7	14778.4	15090.7	14897.3	*14342.8*	14245.3	14329.7	14778.4	15090.7	14897.3
38°	14161.5	14158.2	14778.4	14887.4	14828.8	*14267.8*	14161.5	14158.2	14778.4	14887.4	14828.8
38.5°	14059.0	14158.2	14668.8	14580.1	14828.8	*14047.0*	14059.0	14158.2	14668.8	14580.1	14828.8
39°	13852.5	13969.2	14668.8	14479.2	14694.0	*14047.0*	13852.5	13969.2	14668.8	14479.2	14694.0
39.5°	13754.4	13969.2	14498.4	14268.9	14694.0	*13976.3*	13754.4	13969.2	14498.4	14268.9	14694.0
40°	13636.0	13786.2	14498.4	14085.9	14411.3	*13889.2*	13636.0	13786.2	14498.4	14085.9	14411.3
40.5°	13545.1	13693.0	14362.5	13884.2	14411.3	*13698.5*	13545.1	13693.0	14362.5	13884.2	14411.3
41°	13438.3	13590.0	14196.5	13666.7	14185.0	*13698.5*	13438.3	13590.0	14196.5	13666.7	14185.0
41.5°	13331.4	13501.3	14136.8	13465.1	13930.8	*13523.2*	13331.4	13501.3	14136.8	13465.1	13930.8
42°	13204.3	13388.9	13880.4	13206.5	13930.8	*13523.2*	13204.3	13388.9	13880.4	13206.5	13930.8
42.5°	13110.6	13302.4	13880.4	13027.9	13604.8	*13329.8*	13110.6	13302.4	13880.4	13027.9	13604.8
43°	12999.4	13182.4	13581.8	12811.5	13604.8	*13219.1*	12999.4	13182.4	13581.8	12811.5	13604.8
43.5°	12765.4	12950.1	13581.8	12608.2	13244.3	*13105.7*	12765.4	12950.1	13581.8	12608.2	13244.3
44°	12765.4	12950.1	13176.9	12191.2	13244.3	*13010.3*	12765.4	12950.1	13176.9	12191.2	13244.3
44.5°	12532.0	12691.5	13176.9	11973.2	12871.2	*12871.2*	12532.0	12691.5	13176.9	11973.2	12871.2

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	12427.9	12593.9	12806.0	11762.2	12871.2	*12569.8*	12427.9	12593.9	12806.0	11762.2	12871.2
45.5°	12427.9	12414.8	12806.0	11571.6	12487.1	*12569.8*	12427.9	12414.8	12806.0	11571.6	12487.1
46°	12185.8	12304.1	12378.1	11478.4	12487.1	*12258.6*	12185.8	12304.1	12378.1	11478.4	12487.1
46.5°	12048.2	12112.3	12168.2	11274.6	12032.4	*12258.6*	12048.2	12112.3	12168.2	11274.6	12032.4
47°	11941.4	11984.7	11735.4	11203.9	11607.7	*11904.1*	11941.4	11984.7	11735.4	11203.9	11607.7
47.5°	11813.2	11803.9	11522.8	11007.2	11607.7	*11730.5*	11813.2	11803.9	11522.8	11007.2	11607.7
48°	11689.9	11493.8	11522.8	10789.2	11203.4	*11545.8*	11689.9	11493.8	11522.8	10789.2	11203.4
48.5°	11541.4	11493.8	11103.1	10789.2	11203.4	*11372.7*	11541.4	11493.8	11103.1	10789.2	11203.4
49°	11281.2	11192.4	11103.1	10455.0	10790.3	*11192.4*	11281.2	11192.4	11103.1	10455.0	10790.3
49.5°	11160.6	11192.4	10715.8	10197.4	10790.3	*10990.3*	11160.6	11192.4	10715.8	10197.4	10790.3
50°	11011.6	10871.9	10715.8	10045.1	10348.7	*10822.6*	11011.6	10871.9	10715.8	10045.1	10348.7
50.5°	10885.1	10697.1	10293.3	9764.6	10348.7	*10484.0*	10885.1	10697.1	10293.3	9764.6	10348.7
51°	10725.6	10542.6	10043.5	9725.7	9927.9	*10484.0*	10725.6	10542.6	10043.5	9725.7	9927.9
51.5°	10606.2	10359.1	9836.9	9507.6	9694.5	*10149.8*	10606.2	10359.1	9836.9	9507.6	9694.5
52°	10459.3	10202.9	9618.9	9440.3	9493.4	*10149.8*	10459.3	10202.9	9618.9	9440.3	9493.4
52.5°	10326.7	10018.8	9369.0	9133.4	9131.2	*9832.0*	10326.7	10018.8	9369.0	9133.4	9131.2
53°	10165.1	9860.5	8940.6	9089.0	9131.2	*9832.0*	10165.1	9860.5	8940.6	9089.0	9131.2
53.5°	10041.3	9527.4	8940.6	8841.4	8862.8	*9517.0*	10041.3	9527.4	8940.6	8841.4	8862.8
54°	9891.7	9527.4	8609.6	8603.6	8862.8	*9350.9*	9891.7	9527.4	8609.6	8603.6	8862.8
54.5°	9595.3	9193.2	8609.6	8123.7	8570.2	*9201.4*	9595.3	9193.2	8609.6	8123.7	8570.2
55°	9456.1	9193.2	8389.9	7929.2	8570.2	*9050.7*	9456.1	9193.2	8389.9	7929.2	8570.2
55.5°	9289.0	8892.4	8389.9	7702.9	8314.3	*8914.8*	9289.0	8892.4	8389.9	7702.9	8314.3
56°	9152.1	8726.3	8192.1	7534.7	8314.3	*8661.7*	9152.1	8726.3	8192.1	7534.7	8314.3
56.5°	8990.4	8625.0	7998.2	7312.8	8072.2	*8661.7*	8990.4	8625.0	7998.2	7312.8	8072.2
57°	8839.2	8465.0	7907.2	7192.8	7709.4	*8450.2*	8839.2	8465.0	7907.2	7192.8	7709.4
57.5°	8662.2	8349.9	7671.6	6887.6	7709.4	*8450.2*	8662.2	8349.9	7671.6	6887.6	7709.4
58°	8517.0	8188.3	7671.6	6722.7	7206.5	*8170.8*	8517.0	8188.3	7671.6	6722.7	7206.5
58.5°	8352.1	8047.5	7179.1	6477.2	7206.5	*8025.0*	8352.1	8047.5	7179.1	6477.2	7206.5
59°	8025.0	7733.0	7179.1	6288.8	6767.6	*7870.0*	8025.0	7733.0	7179.1	6288.8	6767.6
59.5°	8025.0	7733.0	6578.6	5885.0	6767.6	*7805.9*	8025.0	7733.0	6578.6	5885.0	6767.6
60°	7699.6	7421.8	6578.6	5726.1	6304.6	*7647.0*	7699.6	7421.8	6578.6	5726.1	6304.6
60.5°	7546.7	7256.3	6074.5	5424.7	6304.6	*7451.9*	7546.7	7256.3	6074.5	5424.7	6304.6
61°	7376.9	7119.4	6074.5	5309.1	5796.7	*7451.9*	7376.9	7119.4	6074.5	5309.1	5796.7
61.5°	7216.9	6955.0	5683.9	5029.1	5796.7	*7182.9*	7216.9	6955.0	5683.9	5029.1	5796.7
62°	7038.8	6838.8	5477.9	4925.6	5370.5	*7182.9*	7038.8	6838.8	5477.9	4925.6	5370.5
62.5°	6883.8	6678.9	5250.5	4925.6	5028.0	*6859.7*	6883.8	6678.9	5250.5	4925.6	5028.0
63°	6715.0	6528.7	4903.7	4731.1	5028.0	*6859.7*	6715.0	6528.7	4903.7	4731.1	5028.0
63.5°	6547.9	6208.8	4903.7	4269.8	4617.1	*6506.8*	6547.9	6208.8	4903.7	4269.8	4617.1
64°	6373.7	6208.8	4520.7	4013.3	4617.1	*6363.3*	6373.7	6208.8	4520.7	4013.3	4617.1
64.5°	6041.1	5955.6	4336.6	3485.2	4185.9	*6178.1*	6041.1	5955.6	4336.6	3485.2	4185.9
65°	5872.4	5955.6	4052.8	3264.9	4185.9	*6046.6*	5872.4	5955.6	4052.8	3264.9	4185.9
65.5°	5707.4	5603.9	4052.8	2983.3	3783.2	*5842.8*	5707.4	5603.9	4052.8	2983.3	3783.2
66°	5535.9	5454.9	3664.9	2768.0	3783.2	*5469.1*	5535.9	5454.9	3664.9	2768.0	3783.2
66.5°	5365.5	5247.7	3437.0	2517.0	3374.5	*5469.1*	5365.5	5247.7	3437.0	2517.0	3374.5
67°	5200.1	5071.9	3242.4	2343.4	2982.2	*5045.6*	5200.1	5071.9	3242.4	2343.4	2982.2

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	4865.3	4873.5	3038.1	2131.9	2982.2	5045.6	4865.3	4873.5	3038.1	2131.9	2982.2
68°	4865.3	4749.7	2821.1	2003.1	2554.3	4643.4	4865.3	4749.7	2821.1	2003.1	2554.3
68.5°	4696.0	4539.9	2410.2	1787.2	2554.3	4643.4	4696.0	4539.9	2410.2	1787.2	2554.3
69°	4530.0	4142.1	2410.2	1691.9	2177.9	4259.9	4530.0	4142.1	2410.2	1691.9	2177.9
69.5°	4367.8	4142.1	2067.2	1405.4	2177.9	4053.3	4367.8	4142.1	2067.2	1405.4	2177.9
70°	4038.0	3756.4	2067.2	1249.2	1836.5	3821.6	4038.0	3756.4	2067.2	1249.2	1836.5
70.5°	3861.0	3563.0	1693.0	1140.2	1836.5	3360.8	3861.0	3563.0	1693.0	1140.2	1836.5
71°	3698.3	3360.8	1693.0	1005.9	1500.1	3360.8	3698.3	3360.8	1693.0	1005.9	1500.1
71.5°	3523.0	3182.7	1358.2	927.0	1500.1	2921.9	3523.0	3182.7	1358.2	927.0	1500.1
72°	3377.8	2995.3	1284.8	819.1	1209.8	2921.9	3377.8	2995.3	1284.8	819.1	1209.8
72.5°	3204.1	2817.3	1093.6	778.0	968.7	2525.8	3204.1	2817.3	1093.6	778.0	968.7
73°	3059.5	2651.3	866.8	665.7	968.7	2525.8	3059.5	2651.3	866.8	665.7	968.7
73.5°	2895.1	2446.9	866.8	637.2	774.7	2149.9	2895.1	2446.9	866.8	637.2	774.7
74°	2761.4	2309.4	711.2	530.4	774.7	1956.5	2761.4	2309.4	711.2	530.4	774.7
74.5°	2468.8	1970.8	711.2	500.8	661.3	1816.8	2468.8	1970.8	711.2	500.8	661.3
75°	2468.8	1970.8	609.8	389.6	661.3	1652.5	2468.8	1970.8	609.8	389.6	661.3
75.5°	2188.8	1651.4	609.8	344.1	558.9	1518.8	2188.8	1651.4	609.8	344.1	558.9
76°	2026.1	1458.0	498.0	315.6	558.9	1371.9	2026.1	1458.0	498.0	315.6	558.9
76.5°	1923.7	1331.9	498.0	291.5	441.6	1240.4	1923.7	1331.9	498.0	291.5	441.6
77°	1762.6	1169.2	400.0	277.8	441.6	965.9	1762.6	1169.2	400.0	277.8	441.6
77.5°	1674.4	1060.2	361.1	241.6	350.1	965.9	1674.4	1060.2	361.1	241.6	350.1
78°	1518.2	921.6	326.5	236.1	294.8	713.9	1518.2	921.6	326.5	236.1	294.8
78.5°	1447.5	854.7	270.1	206.6	294.8	713.9	1447.5	854.7	270.1	206.6	294.8
79°	1295.2	675.0	270.1	201.6	256.4	508.4	1295.2	675.0	270.1	201.6	256.4
79.5°	1237.7	675.0	227.9	173.1	256.4	404.9	1237.7	675.0	227.9	173.1	256.4
80°	1093.1	520.5	227.9	146.3	207.7	358.9	1093.1	520.5	227.9	146.3	207.7
80.5°	910.1	520.5	172.6	136.4	207.7	288.7	910.1	520.5	172.6	136.4	207.7
81°	876.1	380.8	172.6	130.9	151.2	260.8	876.1	380.8	172.6	130.9	151.2
81.5°	742.4	284.4	137.0	124.9	151.2	198.9	742.4	284.4	137.0	124.9	151.2
82°	718.3	265.2	129.3	121.1	126.6	198.9	718.3	265.2	129.3	121.1	126.6
82.5°	598.9	200.0	120.5	113.4	112.3	157.8	598.9	200.0	120.5	113.4	112.3
83°	581.9	185.7	105.2	104.1	112.3	157.8	581.9	185.7	105.2	104.1	112.3
83.5°	471.7	147.4	105.2	91.0	91.0	126.0	471.7	147.4	105.2	91.0	91.0
84°	460.2	137.0	80.5	82.2	91.0	126.0	460.2	137.0	80.5	82.2	91.0
84.5°	364.4	106.3	80.5	71.8	67.4	98.6	364.4	106.3	80.5	71.8	67.4
85°	349.0	106.3	60.3	63.6	67.4	84.4	349.0	106.3	60.3	63.6	67.4
85.5°	254.2	77.8	60.3	55.9	57.5	75.6	254.2	77.8	60.3	55.9	57.5
86°	186.8	77.8	51.5	53.1	57.5	54.8	186.8	77.8	51.5	53.1	57.5
86.5°	186.8	54.8	51.5	39.4	47.7	54.8	186.8	54.8	51.5	39.4	47.7
87°	133.7	43.8	36.7	34.0	47.7	35.6	133.7	43.8	36.7	34.0	47.7
87.5°	133.7	39.4	31.2	21.9	30.1	35.6	133.7	39.4	31.2	21.9	30.1
88°	93.1	30.1	18.1	17.0	15.9	20.8	93.1	30.1	18.1	17.0	15.9
88.5°	93.1	29.0	13.7	15.3	15.9	20.8	93.1	29.0	13.7	15.3	15.9
89°	63.6	18.6	13.7	14.8	13.7	7.7	63.6	18.6	13.7	14.8	13.7
89.5°	63.6	18.6	10.4	12.1	13.7	4.9	63.6	18.6	10.4	12.1	13.7

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	42.7	8.2	10.4	12.1	9.9	4.9	42.7	8.2	10.4	12.1	9.9
90.5°	27.9	8.2	4.4	6.6	9.9	0.5	27.9	8.2	4.4	6.6	9.9
91°	27.9	5.5	4.4	1.6	3.8	0.5	27.9	5.5	4.4	1.6	3.8
91.5°	16.4	1.1	0.5	1.6	3.8	0.5	16.4	1.1	0.5	1.6	3.8
92°	16.4	0.5	0.5	0.5	0.5	0.5	16.4	0.5	0.5	0.5	0.5
92.5°	7.1	0.5	0.5	0.5	0.5	0.5	7.1	0.5	0.5	0.5	0.5
93°	7.1	0.5	0.5	0.5	0.5	0.5	7.1	0.5	0.5	0.5	0.5
93.5°	1.1	0.5	0.5	0.5	0.5	0.5	1.1	0.5	0.5	0.5	0.5
94°	1.1	0.5	0.5	0.0	0.5	0.5	1.1	0.5	0.5	0.0	0.5
94.5°	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0
95°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
95.5°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
96°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
96.5°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
97°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
97.5°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
98°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
98.5°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
99°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
99.5°	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0
100°	1.1	0.5	0.0	0.0	0.0	0.5	1.1	0.5	0.0	0.0	0.0
100.5°	1.1	0.5	0.0	0.0	0.0	0.5	1.1	0.5	0.0	0.0	0.0
101°	1.1	0.5	0.0	0.0	0.0	0.5	1.1	0.5	0.0	0.0	0.0
101.5°	1.1	0.5	0.0	0.0	0.0	0.5	1.1	0.5	0.0	0.0	0.0
102°	1.1	0.5	0.0	0.5	0.0	0.5	1.1	0.5	0.0	0.5	0.0
102.5°	1.1	0.5	0.0	0.5	0.0	0.5	1.1	0.5	0.0	0.5	0.0
103°	1.1	0.5	0.0	0.5	0.0	0.5	1.1	0.5	0.0	0.5	0.0
103.5°	1.1	0.5	0.0	0.5	0.0	0.5	1.1	0.5	0.0	0.5	0.0
104°	1.1	0.5	1.1	0.5	0.0	0.5	1.1	0.5	1.1	0.5	0.0
104.5°	1.1	1.1	1.1	0.5	0.5	0.5	1.1	1.1	1.1	0.5	0.5
105°	1.1	1.1	1.1	0.5	0.5	1.1	1.1	1.1	1.1	0.5	0.5
105.5°	1.6	1.6	1.1	0.5	0.5	1.1	1.6	1.6	1.1	0.5	0.5
106°	1.6	1.6	1.1	0.5	0.5	1.1	1.6	1.6	1.1	0.5	0.5
106.5°	1.6	1.6	1.1	0.5	1.1	1.1	1.6	1.6	1.1	0.5	1.1
107°	1.6	1.6	1.1	0.5	1.1	1.6	1.6	1.6	1.1	0.5	1.1
107.5°	1.6	1.6	1.1	0.5	1.1	1.6	1.6	1.6	1.1	0.5	1.1
108°	1.6	1.6	1.1	0.5	1.1	1.6	1.6	1.6	1.1	0.5	1.1
108.5°	1.6	1.6	1.1	0.5	1.1	1.6	1.6	1.6	1.1	0.5	1.1
109°	1.6	1.6	1.1	0.5	1.1	1.6	1.6	1.6	1.1	0.5	1.1
109.5°	1.6	1.6	1.1	0.5	1.1	1.6	1.6	1.6	1.1	0.5	1.1
110°	1.6	2.2	1.1	1.1	1.6	1.6	1.6	2.2	1.1	1.1	1.6
110.5°	2.2	2.2	1.6	1.1	1.6	1.6	2.2	2.2	1.6	1.1	1.6
111°	2.2	2.2	1.6	1.6	1.6	1.6	2.2	2.2	1.6	1.6	1.6
111.5°	2.7	2.2	1.6	1.6	1.6	1.6	2.7	2.2	1.6	1.6	1.6
112°	2.7	2.7	1.6	1.6	1.6	1.6	2.7	2.7	1.6	1.6	1.6

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	2.7	2.7	2.2	1.6	1.6	2.7	2.7	2.7	2.2	1.6	1.6
113°	2.7	2.7	2.2	1.6	1.6	2.7	2.7	2.7	2.2	1.6	1.6
113.5°	2.7	2.7	2.2	1.6	1.6	2.7	2.7	2.7	2.2	1.6	1.6
114°	2.7	2.7	2.2	1.6	2.2	2.7	2.7	2.7	2.2	1.6	2.2
114.5°	2.7	2.7	2.2	1.6	2.7	2.7	2.7	2.7	2.2	1.6	2.7
115°	2.7	2.7	2.7	1.6	2.7	2.7	2.7	2.7	2.7	1.6	2.7
115.5°	3.3	2.7	2.7	2.2	2.7	2.7	3.3	2.7	2.7	2.2	2.7
116°	3.3	2.7	2.7	2.2	2.7	2.7	3.3	2.7	2.7	2.2	2.7
116.5°	3.3	3.3	2.7	2.7	2.7	2.7	3.3	3.3	2.7	2.7	2.7
117°	3.3	3.3	2.7	2.7	2.7	2.7	3.3	3.3	2.7	2.7	2.7
117.5°	3.3	3.3	2.7	2.7	2.7	2.7	3.3	3.3	2.7	2.7	2.7
118°	3.3	3.3	2.7	2.7	2.7	3.8	3.3	3.3	2.7	2.7	2.7
118.5°	3.3	3.3	2.7	2.7	2.7	3.8	3.3	3.3	2.7	2.7	2.7
119°	3.8	3.8	2.7	2.7	2.7	3.8	3.8	3.8	2.7	2.7	2.7
119.5°	3.8	3.8	3.8	2.7	2.7	3.8	3.8	3.8	3.8	2.7	2.7
120°	3.8	3.8	3.8	3.3	3.8	3.8	3.8	3.8	3.8	3.3	3.8
120.5°	3.8	3.8	3.8	3.3	3.8	3.8	3.8	3.8	3.8	3.3	3.8
121°	3.8	4.4	3.8	3.3	3.8	3.8	3.8	4.4	3.8	3.3	3.8
121.5°	4.4	4.4	3.8	3.3	3.8	3.8	4.4	4.4	3.8	3.3	3.8
122°	4.4	4.4	3.8	3.8	3.8	3.8	4.4	4.4	3.8	3.8	3.8
122.5°	4.4	4.4	3.8	3.8	3.8	3.8	4.4	4.4	3.8	3.8	3.8
123°	4.4	4.4	3.8	3.8	3.8	3.8	4.4	4.4	3.8	3.8	3.8
123.5°	4.4	4.4	3.8	3.8	3.8	4.9	4.4	4.4	3.8	3.8	3.8
124°	4.4	4.4	4.4	3.8	4.4	4.9	4.4	4.4	4.4	3.8	4.4
124.5°	4.9	4.9	4.9	3.8	4.9	4.9	4.9	4.9	4.9	3.8	4.9
125°	4.9	4.9	4.9	3.8	4.9	4.9	4.9	4.9	4.9	3.8	4.9
125.5°	4.9	4.9	4.9	4.4	4.9	4.9	4.9	4.9	4.9	4.4	4.9
126°	4.9	4.9	4.9	4.4	4.9	4.9	4.9	4.9	4.9	4.4	4.9
126.5°	4.9	5.5	4.9	4.9	4.9	4.9	4.9	5.5	4.9	4.9	4.9
127°	4.9	5.5	4.9	4.9	4.9	4.9	4.9	5.5	4.9	4.9	4.9
127.5°	4.9	5.5	4.9	4.9	4.9	4.9	4.9	5.5	4.9	4.9	4.9
128°	5.5	5.5	4.9	4.9	4.9	5.5	5.5	5.5	4.9	4.9	4.9
128.5°	5.5	5.5	5.5	4.9	4.9	5.5	5.5	5.5	5.5	4.9	4.9
129°	5.5	5.5	6.0	5.5	5.5	6.0	5.5	5.5	6.0	5.5	5.5
129.5°	5.5	5.5	6.0	5.5	5.5	6.0	5.5	5.5	6.0	5.5	5.5
130°	5.5	6.0	6.0	5.5	6.0	6.0	5.5	6.0	6.0	5.5	6.0
130.5°	5.5	6.0	6.0	5.5	6.0	6.0	5.5	6.0	6.0	5.5	6.0
131°	6.0	6.0	6.0	5.5	6.0	6.0	6.0	6.0	6.0	5.5	6.0
131.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
132°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
132.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
133°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
133.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
134°	6.0	6.6	6.6	6.0	6.0	6.0	6.0	6.6	6.6	6.0	6.0
134.5°	6.6	6.6	6.6	6.6	6.0	6.6	6.6	6.6	6.6	6.6	6.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	6.6	6.6	6.6	6.6	6.0	6.6	6.6	6.6	6.6	6.6	6.0
135.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
136°	6.6	6.6	7.1	6.6	6.6	7.1	6.6	6.6	7.1	6.6	6.6
136.5°	6.6	7.1	7.1	6.6	7.1	7.1	6.6	7.1	7.1	6.6	7.1
137°	6.6	7.1	7.1	7.1	7.1	7.1	6.6	7.1	7.1	7.1	7.1
137.5°	6.6	7.1	7.1	6.6	7.1	7.1	6.6	7.1	7.1	6.6	7.1
138°	7.1	7.1	7.1	6.6	7.1	7.1	7.1	7.1	7.1	6.6	7.1
138.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
139°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
139.5°	7.1	7.7	7.1	7.1	7.1	7.1	7.1	7.7	7.1	7.1	7.1
140°	7.1	7.7	7.1	7.1	7.1	7.1	7.1	7.7	7.1	7.1	7.1
140.5°	7.1	7.7	7.1	7.1	7.1	7.1	7.1	7.7	7.1	7.1	7.1
141°	7.7	7.7	7.1	7.7	7.1	7.1	7.7	7.7	7.1	7.7	7.1
141.5°	7.7	7.7	7.7	7.7	7.1	7.1	7.7	7.7	7.7	7.7	7.1
142°	7.7	7.7	7.7	7.7	7.1	7.7	7.7	7.7	7.7	7.7	7.1
142.5°	7.7	7.7	8.2	7.7	7.1	7.7	7.7	7.7	8.2	7.7	7.1
143°	7.7	7.7	8.2	7.7	8.2	7.7	7.7	7.7	8.2	7.7	8.2
143.5°	7.7	7.7	8.2	7.7	8.2	8.2	7.7	7.7	8.2	7.7	8.2
144°	7.7	7.7	8.2	8.2	8.2	8.2	7.7	7.7	8.2	8.2	8.2
144.5°	7.7	8.2	8.2	8.2	8.2	8.2	7.7	8.2	8.2	8.2	8.2
145°	7.7	8.2	8.2	8.2	8.2	8.2	7.7	8.2	8.2	8.2	8.2
145.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
146°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
146.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
147°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
147.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
148°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
148.5°	8.2	8.8	8.2	8.2	8.2	8.2	8.2	8.8	8.2	8.2	8.2
149°	8.2	8.8	8.8	8.2	8.2	8.2	8.2	8.8	8.8	8.2	8.2
149.5°	8.2	8.8	9.3	8.2	8.2	8.2	8.2	8.8	9.3	8.2	8.2
150°	8.2	8.8	8.8	8.8	8.8	8.2	8.2	8.8	8.8	8.8	8.8
150.5°	8.2	8.8	8.8	8.8	8.8	8.2	8.2	8.8	8.8	8.8	8.8
151°	8.8	8.8	8.8	8.8	9.3	8.8	8.8	8.8	8.8	8.8	9.3
151.5°	8.8	8.8	9.3	8.8	9.3	9.3	8.8	8.8	9.3	8.8	9.3
152°	8.8	9.3	9.3	9.3	9.3	9.3	8.8	9.3	9.3	9.3	9.3
152.5°	8.8	9.3	9.3	9.3	9.3	9.3	8.8	9.3	9.3	9.3	9.3
153°	8.8	9.3	9.3	9.3	9.3	9.3	8.8	9.3	9.3	9.3	9.3
153.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
154°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
154.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
155°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
155.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
156°	9.3	9.9	9.3	9.3	9.3	9.3	9.3	9.9	9.3	9.3	9.3
156.5°	9.3	9.3	9.3	9.9	9.3	9.3	9.3	9.3	9.3	9.9	9.3
157°	9.3	9.3	9.3	9.9	9.3	9.3	9.3	9.3	9.3	9.9	9.3

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	9.3	9.9	9.3	9.9	9.3	9.3	9.3	9.9	9.3	9.9	9.3
158°	9.3	9.9	9.9	9.9	9.3	9.3	9.3	9.9	9.9	9.9	9.3
158.5°	9.3	9.9	9.9	9.9	9.9	9.9	9.3	9.9	9.9	9.9	9.9
159°	9.3	9.9	9.9	9.9	9.9	9.9	9.3	9.9	9.9	9.9	9.9
159.5°	9.3	9.9	9.9	9.9	9.9	9.9	9.3	9.9	9.9	9.9	9.9
160°	9.3	9.9	9.9	9.9	9.9	9.9	9.3	9.9	9.9	9.9	9.9
160.5°	9.3	9.9	9.9	9.9	9.9	9.9	9.3	9.9	9.9	9.9	9.9
161°	9.3	9.9	9.9	9.9	9.9	9.9	9.3	9.9	9.9	9.9	9.9
161.5°	9.3	9.9	9.9	9.9	9.9	9.9	9.3	9.9	9.9	9.9	9.9
162°	9.3	9.9	9.9	9.9	9.9	9.9	9.3	9.9	9.9	9.9	9.9
162.5°	9.3	9.9	10.4	9.9	9.9	9.9	9.3	9.9	10.4	9.9	9.9
163°	9.9	10.4	10.4	9.9	9.9	9.9	9.9	10.4	10.4	9.9	9.9
163.5°	9.9	9.9	10.4	10.4	9.9	9.9	9.9	9.9	10.4	10.4	9.9
164°	9.9	9.9	10.4	11.0	9.9	9.9	9.9	9.9	10.4	11.0	9.9
164.5°	9.9	9.9	10.4	10.4	9.9	9.9	9.9	9.9	10.4	10.4	9.9
165°	9.9	9.9	10.4	9.9	10.4	9.9	9.9	9.9	10.4	9.9	10.4
165.5°	10.4	10.4	10.4	10.4	10.4	9.9	10.4	10.4	10.4	10.4	10.4
166°	10.4	10.4	10.4	11.0	10.4	9.9	10.4	10.4	10.4	11.0	10.4
166.5°	9.9	10.4	10.4	10.4	10.4	9.9	9.9	10.4	10.4	10.4	10.4
167°	9.9	10.4	10.4	10.4	10.4	9.9	9.9	10.4	10.4	10.4	10.4
167.5°	10.4	10.4	10.4	11.0	11.0	9.9	10.4	10.4	10.4	11.0	11.0
168°	9.9	10.4	10.4	11.0	11.0	10.4	9.9	10.4	10.4	11.0	11.0
168.5°	9.9	11.0	10.4	11.0	10.4	10.4	9.9	11.0	10.4	11.0	10.4
169°	10.4	11.0	11.0	11.0	10.4	10.4	10.4	11.0	11.0	11.0	10.4
169.5°	10.4	11.0	11.0	11.0	11.0	10.4	10.4	11.0	11.0	11.0	11.0
170°	10.4	11.0	10.4	11.0	10.4	10.4	10.4	11.0	10.4	11.0	10.4
170.5°	10.4	11.0	10.4	11.0	10.4	10.4	10.4	11.0	10.4	11.0	10.4
171°	10.4	11.0	11.0	11.0	11.0	11.0	10.4	11.0	11.0	11.0	11.0
171.5°	10.4	11.0	11.0	11.0	11.0	11.0	10.4	11.0	11.0	11.0	11.0
172°	10.4	11.0	11.0	11.0	11.0	10.4	10.4	11.0	11.0	11.0	11.0
172.5°	10.4	11.0	11.0	11.0	11.0	10.4	10.4	11.0	11.0	11.0	11.0
173°	10.4	11.0	11.0	11.0	11.0	10.4	10.4	11.0	11.0	11.0	11.0
173.5°	10.4	11.0	11.0	11.0	11.0	10.4	10.4	11.0	11.0	11.0	11.0
174°	10.4	11.0	11.0	11.0	11.0	10.4	10.4	11.0	11.0	11.0	11.0
174.5°	10.4	11.0	11.0	11.0	11.0	11.0	10.4	11.0	11.0	11.0	11.0
175°	10.4	10.4	11.0	11.0	11.0	11.0	10.4	10.4	11.0	11.0	11.0
175.5°	10.4	10.4	11.0	11.0	11.0	10.4	10.4	10.4	11.0	11.0	11.0
176°	10.4	11.0	11.0	11.0	11.0	10.4	10.4	11.0	11.0	11.0	11.0
176.5°	10.4	11.0	11.0	11.0	11.0	11.0	10.4	11.0	11.0	11.0	11.0
177°	10.4	11.0	11.0	11.0	11.0	11.0	10.4	11.0	11.0	11.0	11.0
177.5°	9.9	11.0	11.0	11.0	11.0	10.4	9.9	11.0	11.0	11.0	11.0
178°	9.9	11.0	11.0	11.0	11.0	10.4	9.9	11.0	11.0	11.0	11.0
178.5°	9.9	11.0	11.0	11.0	11.0	11.0	9.9	11.0	11.0	11.0	11.0
179°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
179.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	11.0	11.0	11.0	11.0	11.0	*11.0*	11.0	11.0	11.0	11.0	11.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	18152.3	18152.3
0.5°	18152.3	18152.3
1°	18192.3	18171.5
1.5°	18181.4	18164.9
2°	*18196.2*	*18145.8*
2.5°	18196.2	18141.4
3°	18157.3	18147.4
3.5°	18160.0	18134.8
4°	18161.7	18123.3
4.5°	18141.9	18094.8
5°	18132.6	18105.8
5.5°	18117.8	18098.1
6°	18101.4	18081.7
6.5°	18089.3	18046.6
7°	18087.1	18049.3
7.5°	18028.5	18029.1
8°	18028.5	17990.7
8.5°	18014.3	17974.3
9°	17979.8	17935.9
9.5°	17952.9	17933.7
10°	17932.6	17912.9
10.5°	17910.2	17885.0
11°	17881.7	17836.2
11.5°	17862.5	17828.5
12°	17822.5	17801.7
12.5°	17780.9	17777.0
13°	17742.5	17730.5
13.5°	17742.5	17708.5
14°	17648.3	17645.5
14.5°	17618.2	17609.4
15°	17587.5	17572.1
15.5°	17542.5	17513.0
16°	17506.4	17494.3
16.5°	17456.5	17457.1
17°	17406.1	17417.1
17.5°	17338.2	17356.8
18°	17338.2	17275.2
18.5°	17217.6	17241.2
19°	17178.2	17189.1
19.5°	17140.4	17141.5
20°	17081.2	17071.3
20.5°	17027.0	17041.2
21°	16972.2	16991.4
21.5°	16914.7	16936.6
22°	16862.1	16861.0

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	16817.1	16823.7
23°	16674.7	16763.4
23.5°	16674.7	16644.0
24°	16577.7	16590.3
24.5°	16503.7	16510.3
25°	16433.6	16466.5
25.5°	16373.3	16402.9
26°	16310.9	16336.6
26.5°	16240.2	16249.5
27°	16180.5	16199.6
27.5°	16021.6	16131.2
28°	16021.6	16064.9
28.5°	15899.4	15977.7
29°	15899.4	15827.1
29.5°	15730.1	15765.7
30°	15593.7	15685.2
30.5°	15593.7	15607.4
31°	15510.4	15506.0
31.5°	15436.4	15443.5
32°	15351.5	15362.5
32.5°	15266.0	15278.6
33°	15119.7	15175.6
33.5°	15119.7	15006.9
34°	14929.6	14928.5
34.5°	14851.8	14832.1
35°	14777.3	14741.7
35.5°	14683.6	14629.9
36°	14595.4	14552.7
36.5°	14511.0	14460.1
37°	14423.9	14362.0
37.5°	14342.8	14245.3
38°	14267.8	14161.5
38.5°	14047.0	14059.0
39°	14047.0	13852.5
39.5°	13976.3	13754.4
40°	13889.2	13636.0
40.5°	13698.5	13545.1
41°	13698.5	13438.3
41.5°	13523.2	13331.4
42°	13523.2	13204.3
42.5°	13329.8	13110.6
43°	13219.1	12999.4
43.5°	13105.7	12765.4
44°	13010.3	12765.4
44.5°	12871.2	12532.0

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	12569.8	12427.9
45.5°	12569.8	12427.9
46°	12258.6	12185.8
46.5°	12258.6	12048.2
47°	11904.1	11941.4
47.5°	11730.5	11813.2
48°	11545.8	11689.9
48.5°	11372.7	11541.4
49°	11192.4	11281.2
49.5°	10990.3	11160.6
50°	10822.6	11011.6
50.5°	10484.0	10885.1
51°	10484.0	10725.6
51.5°	10149.8	10606.2
52°	10149.8	10459.3
52.5°	9832.0	10326.7
53°	9832.0	10165.1
53.5°	9517.0	10041.3
54°	9350.9	9891.7
54.5°	9201.4	9595.3
55°	9050.7	9456.1
55.5°	8914.8	9289.0
56°	8661.7	9152.1
56.5°	8661.7	8990.4
57°	8450.2	8839.2
57.5°	8450.2	8662.2
58°	8170.8	8517.0
58.5°	8025.0	8352.1
59°	7870.0	8025.0
59.5°	7805.9	8025.0
60°	7647.0	7699.6
60.5°	7451.9	7546.7
61°	7451.9	7376.9
61.5°	7182.9	7216.9
62°	7182.9	7038.8
62.5°	6859.7	6883.8
63°	6859.7	6715.0
63.5°	6506.8	6547.9
64°	6363.3	6373.7
64.5°	6178.1	6041.1
65°	6046.6	5872.4
65.5°	5842.8	5707.4
66°	5469.1	5535.9
66.5°	5469.1	5365.5
67°	5045.6	5200.1

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	5045.6	4865.3
68°	4643.4	4865.3
68.5°	4643.4	4696.0
69°	4259.9	4530.0
69.5°	4053.3	4367.8
70°	3821.6	4038.0
70.5°	3360.8	3861.0
71°	3360.8	3698.3
71.5°	2921.9	3523.0
72°	2921.9	3377.8
72.5°	2525.8	3204.1
73°	2525.8	3059.5
73.5°	2149.9	2895.1
74°	1956.5	2761.4
74.5°	1816.8	2468.8
75°	1652.5	2468.8
75.5°	1518.8	2188.8
76°	1371.9	2026.1
76.5°	1240.4	1923.7
77°	965.9	1762.6
77.5°	965.9	1674.4
78°	713.9	1518.2
78.5°	713.9	1447.5
79°	508.4	1295.2
79.5°	404.9	1237.7
80°	358.9	1093.1
80.5°	288.7	910.1
81°	260.8	876.1
81.5°	198.9	742.4
82°	198.9	718.3
82.5°	157.8	598.9
83°	157.8	581.9
83.5°	126.0	471.7
84°	126.0	460.2
84.5°	98.6	364.4
85°	84.4	349.0
85.5°	75.6	254.2
86°	54.8	186.8
86.5°	54.8	186.8
87°	35.6	133.7
87.5°	35.6	133.7
88°	20.8	93.1
88.5°	20.8	93.1
89°	7.7	63.6
89.5°	4.9	63.6

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	4.9	42.7
90.5°	0.5	27.9
91°	0.5	27.9
91.5°	0.5	16.4
92°	0.5	16.4
92.5°	0.5	7.1
93°	0.5	7.1
93.5°	0.5	1.1
94°	0.5	1.1
94.5°	0.5	0.5
95°	0.5	0.5
95.5°	0.5	0.5
96°	0.5	0.5
96.5°	0.5	0.5
97°	0.5	0.5
97.5°	0.5	0.5
98°	0.5	0.5
98.5°	0.5	0.5
99°	0.5	0.5
99.5°	0.5	0.5
100°	0.5	1.1
100.5°	0.5	1.1
101°	0.5	1.1
101.5°	0.5	1.1
102°	0.5	1.1
102.5°	0.5	1.1
103°	0.5	1.1
103.5°	0.5	1.1
104°	0.5	1.1
104.5°	0.5	1.1
105°	1.1	1.1
105.5°	1.1	1.6
106°	1.1	1.6
106.5°	1.1	1.6
107°	1.6	1.6
107.5°	1.6	1.6
108°	1.6	1.6
108.5°	1.6	1.6
109°	1.6	1.6
109.5°	1.6	1.6
110°	1.6	1.6
110.5°	1.6	2.2
111°	1.6	2.2
111.5°	1.6	2.7
112°	1.6	2.7

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
112.5°	2.7	2.7
113°	2.7	2.7
113.5°	2.7	2.7
114°	2.7	2.7
114.5°	2.7	2.7
115°	2.7	2.7
115.5°	2.7	3.3
116°	2.7	3.3
116.5°	2.7	3.3
117°	2.7	3.3
117.5°	2.7	3.3
118°	3.8	3.3
118.5°	3.8	3.3
119°	3.8	3.8
119.5°	3.8	3.8
120°	3.8	3.8
120.5°	3.8	3.8
121°	3.8	3.8
121.5°	3.8	4.4
122°	3.8	4.4
122.5°	3.8	4.4
123°	3.8	4.4
123.5°	4.9	4.4
124°	4.9	4.4
124.5°	4.9	4.9
125°	4.9	4.9
125.5°	4.9	4.9
126°	4.9	4.9
126.5°	4.9	4.9
127°	4.9	4.9
127.5°	4.9	4.9
128°	5.5	5.5
128.5°	5.5	5.5
129°	6.0	5.5
129.5°	6.0	5.5
130°	6.0	5.5
130.5°	6.0	5.5
131°	6.0	6.0
131.5°	6.0	6.0
132°	6.0	6.0
132.5°	6.0	6.0
133°	6.0	6.0
133.5°	6.0	6.0
134°	6.0	6.0
134.5°	6.6	6.6

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	6.6	6.6
135.5°	6.6	6.6
136°	7.1	6.6
136.5°	7.1	6.6
137°	7.1	6.6
137.5°	7.1	6.6
138°	7.1	7.1
138.5°	7.1	7.1
139°	7.1	7.1
139.5°	7.1	7.1
140°	7.1	7.1
140.5°	7.1	7.1
141°	7.1	7.7
141.5°	7.1	7.7
142°	7.7	7.7
142.5°	7.7	7.7
143°	7.7	7.7
143.5°	8.2	7.7
144°	8.2	7.7
144.5°	8.2	7.7
145°	8.2	7.7
145.5°	8.2	8.2
146°	8.2	8.2
146.5°	8.2	8.2
147°	8.2	8.2
147.5°	8.2	8.2
148°	8.2	8.2
148.5°	8.2	8.2
149°	8.2	8.2
149.5°	8.2	8.2
150°	8.2	8.2
150.5°	8.2	8.2
151°	8.8	8.8
151.5°	9.3	8.8
152°	9.3	8.8
152.5°	9.3	8.8
153°	9.3	8.8
153.5°	9.3	9.3
154°	9.3	9.3
154.5°	9.3	9.3
155°	9.3	9.3
155.5°	9.3	9.3
156°	9.3	9.3
156.5°	9.3	9.3
157°	9.3	9.3

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
157.5°	9.3	9.3
158°	9.3	9.3
158.5°	9.9	9.3
159°	9.9	9.3
159.5°	9.9	9.3
160°	9.9	9.3
160.5°	9.9	9.3
161°	9.9	9.3
161.5°	9.9	9.3
162°	9.9	9.3
162.5°	9.9	9.3
163°	9.9	9.9
163.5°	9.9	9.9
164°	9.9	9.9
164.5°	9.9	9.9
165°	9.9	9.9
165.5°	9.9	10.4
166°	9.9	10.4
166.5°	9.9	9.9
167°	9.9	9.9
167.5°	9.9	10.4
168°	10.4	9.9
168.5°	10.4	9.9
169°	10.4	10.4
169.5°	10.4	10.4
170°	10.4	10.4
170.5°	10.4	10.4
171°	11.0	10.4
171.5°	11.0	10.4
172°	10.4	10.4
172.5°	10.4	10.4
173°	10.4	10.4
173.5°	10.4	10.4
174°	10.4	10.4
174.5°	11.0	10.4
175°	11.0	10.4
175.5°	10.4	10.4
176°	10.4	10.4
176.5°	11.0	10.4
177°	11.0	10.4
177.5°	10.4	9.9
178°	10.4	9.9
178.5°	11.0	9.9
179°	11.0	11.0
179.5°	11.0	11.0

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	11.0	11.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594673
CATALOG NUMBER: FLXB-4860-W-LOW-3000K

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	27.6	29.2	28.0	29.5	29.8	26.6	28.2	27.0	28.5	28.8
	3H	29.1	30.5	29.5	30.8	31.2	27.0	28.4	27.4	28.7	29.1
	4H	29.4	30.7	29.8	31.1	31.4	27.0	28.3	27.4	28.6	29.0
	6H	29.6	30.8	30.0	31.1	31.5	26.9	28.1	27.3	28.5	28.9
	8H	29.6	30.7	30.0	31.1	31.5	26.9	28.0	27.3	28.4	28.8
	12H	29.6	30.7	30.0	31.0	31.5	26.8	27.9	27.3	28.3	28.8
4H	2H	28.0	29.3	28.4	29.6	30.0	27.2	28.5	27.6	28.8	29.2
	3H	29.6	30.7	30.0	31.1	31.5	27.6	28.7	28.0	29.1	29.5
	4H	30.0	30.9	30.4	31.4	31.8	27.6	28.5	28.0	28.9	29.4
	6H	30.2	31.0	30.6	31.4	31.9	27.5	28.4	28.0	28.8	29.3
	8H	30.2	31.0	30.6	31.4	31.9	27.5	28.3	28.0	28.7	29.2
	12H	30.2	30.9	30.7	31.4	31.8	27.5	28.2	27.9	28.6	29.1
8H	4H	29.9	30.7	30.4	31.2	31.6	27.7	28.4	28.1	28.9	29.4
	6H	30.1	30.8	30.6	31.3	31.7	27.6	28.2	28.1	28.7	29.2
	8H	30.1	30.7	30.7	31.2	31.7	27.6	28.1	28.1	28.7	29.1
	12H	30.2	30.7	30.7	31.1	31.7	27.5	28.0	28.1	28.5	29.1
12H	4H	29.9	30.6	30.4	31.1	31.6	27.6	28.3	28.1	28.8	29.3
	6H	30.1	30.7	30.6	31.1	31.7	27.6	28.2	28.1	28.6	29.2
	8H	30.1	30.6	30.6	31.1	31.7	27.6	28.1	28.1	28.6	29.1

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP3-2602-684-1

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-3000K

Data in this report applies to families of products including HLBX-2436*

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

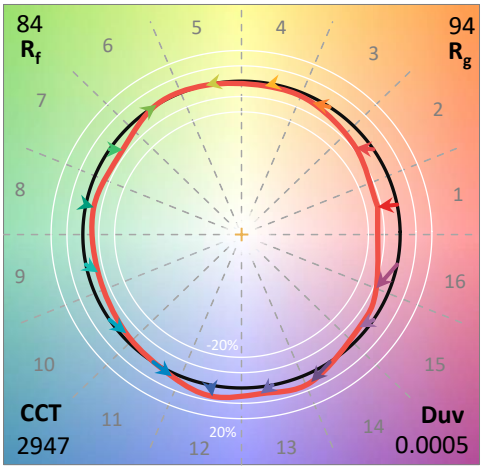
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	02/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**HLBX-2436-W-HI-3000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 3000K CCT settings

Spectral Parameters

CCT (K):	2947
CIE u':	0.2523
CIE v':	0.5232
Duv:	0.0005
CIE x:	0.4415
CIE y:	0.4069
CIE z:	0.1516
Peak Wavelength (nm):	605
Dominant Wavelength (nm):	582
Purity:	54.65632
Rf:	83.6
Rg:	93.7

CRI (Ra):	81.4				
R1:	79.9	R9:	0.7
R2:	91.2	R10:	79.6
R3:	95.4	R11:	77.4
R4:	78.4	R12:	68.4
R5:	79.9	R13:	82.7
R6:	89.4	R14:	98.3
R7:	81.1	R15:	71.7
R8:	55.6		



Test Conditions

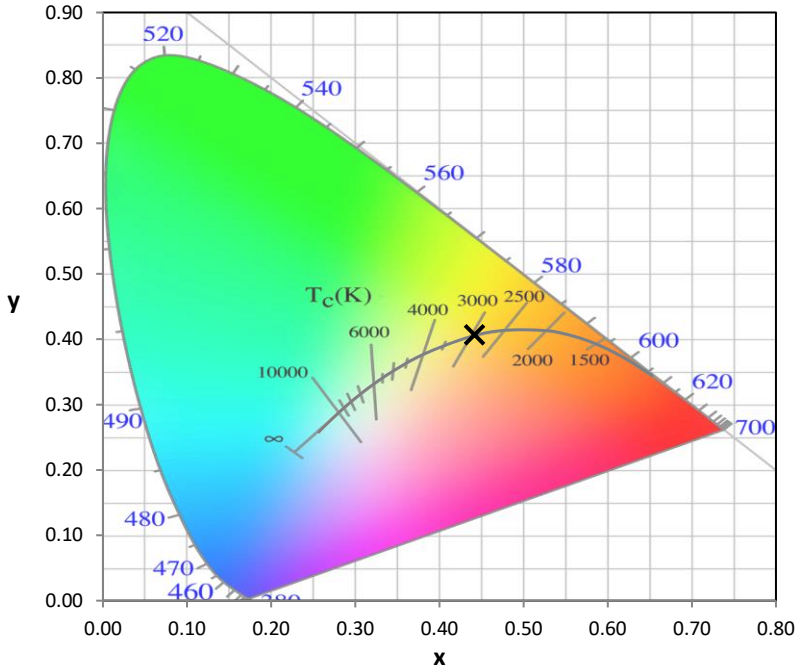
Stabilization Time:	31M
Operation Time:	1H 31M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-1

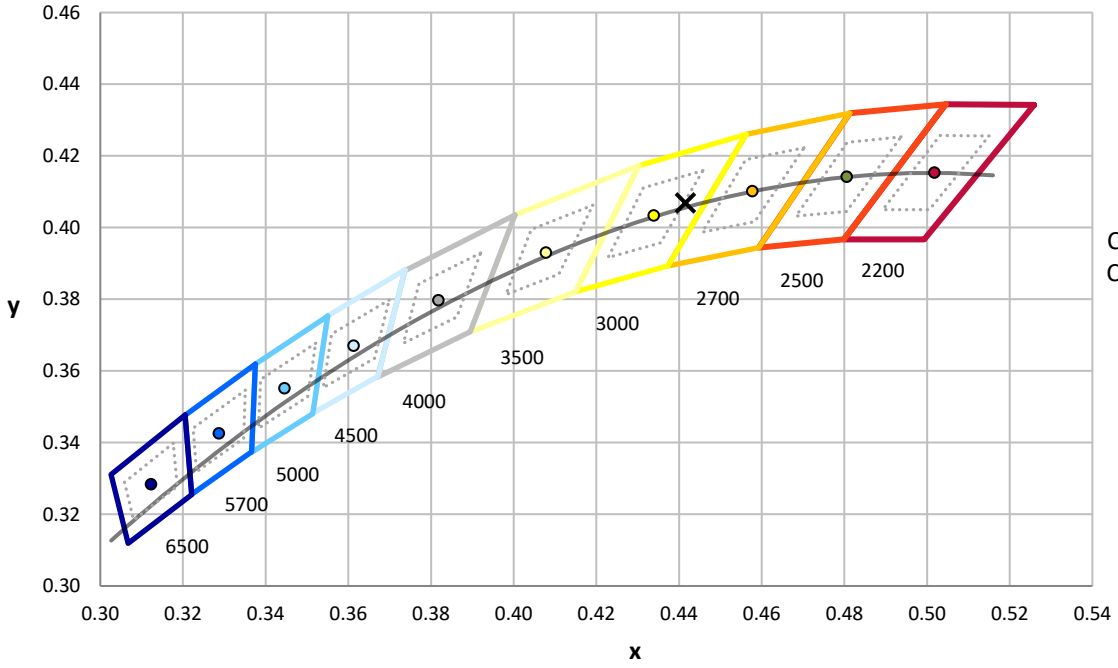
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534	10/20/2025	10/20/2026
Sphere Thermometer	TANDD IN4036E	10/21/2025	10/21/2026

REPORT NUMBER: SP3-2602-684-1

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

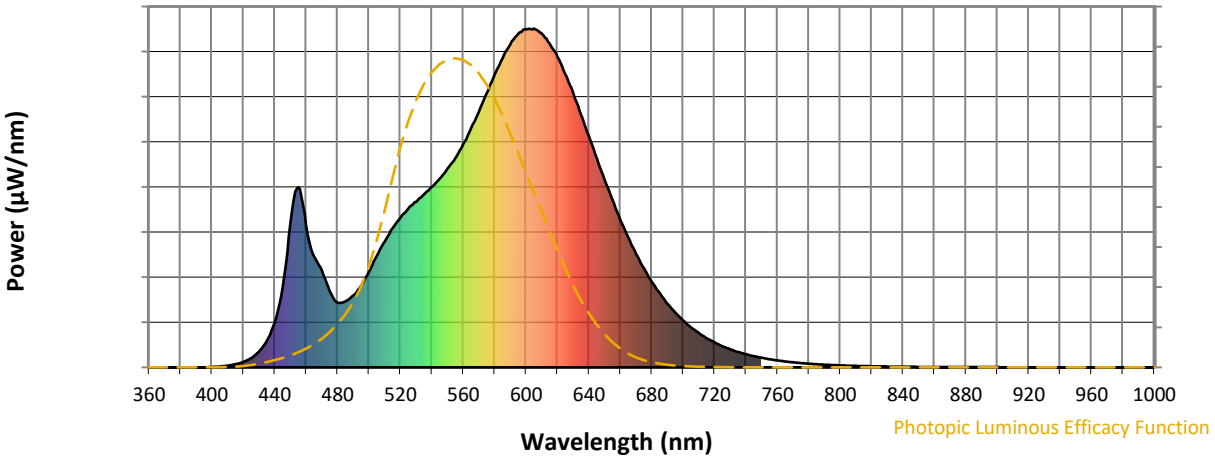


CCT = 2947K
CIE x = 0.4415
CIE y = 0.4069
Duv = 0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-1

Photopic Flux vs. Wavelength

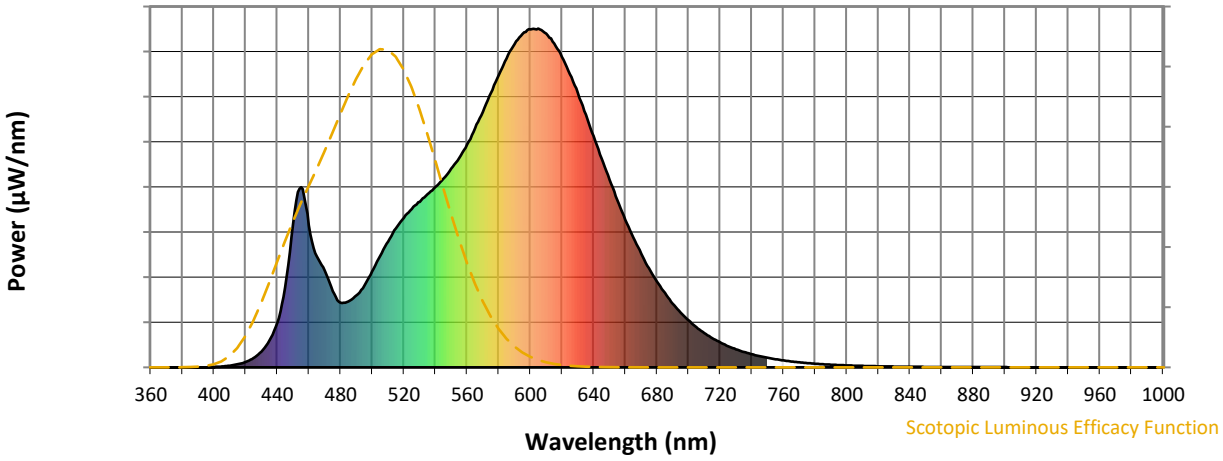


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-1

Scotopic Flux vs. Wavelength

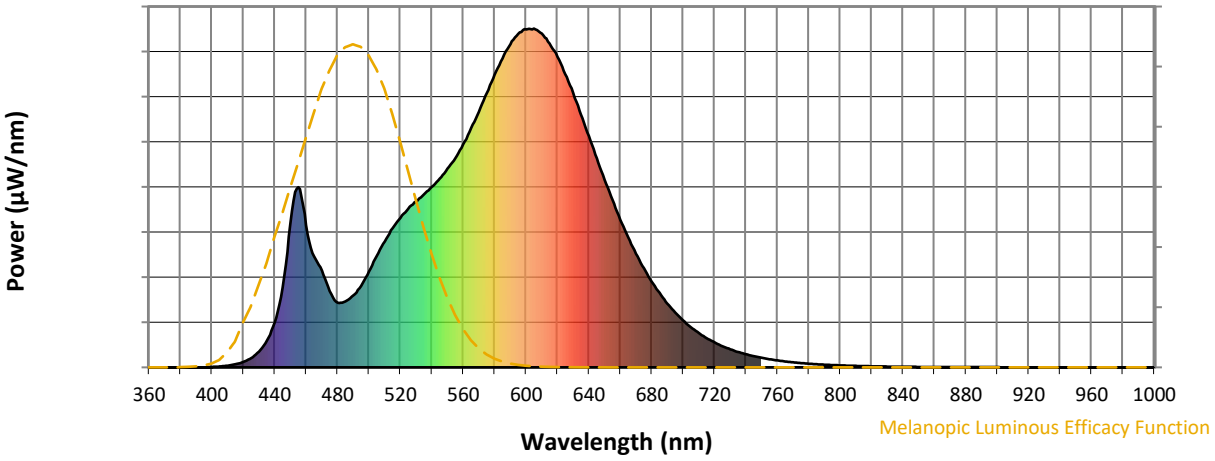


Scotopic Lumens: NR **S/P: 1.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.54**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

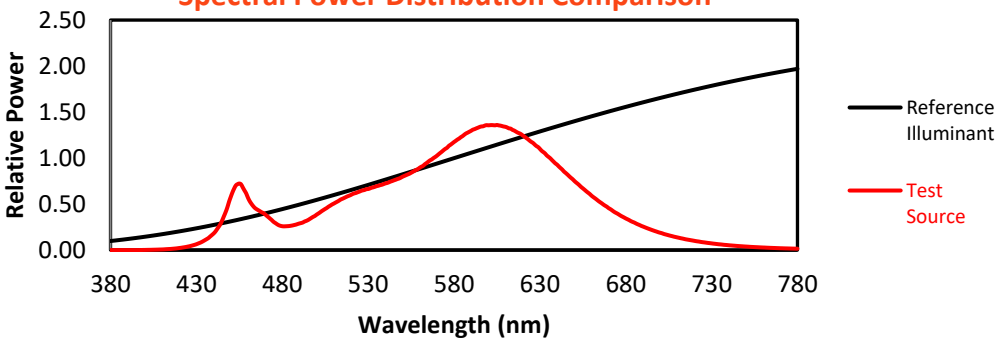
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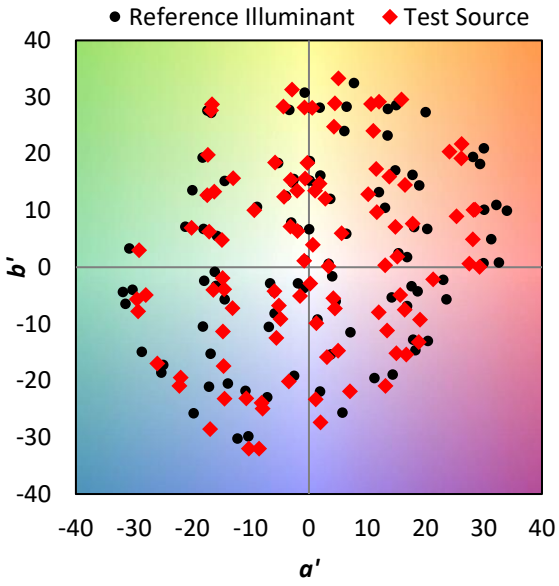
Summary

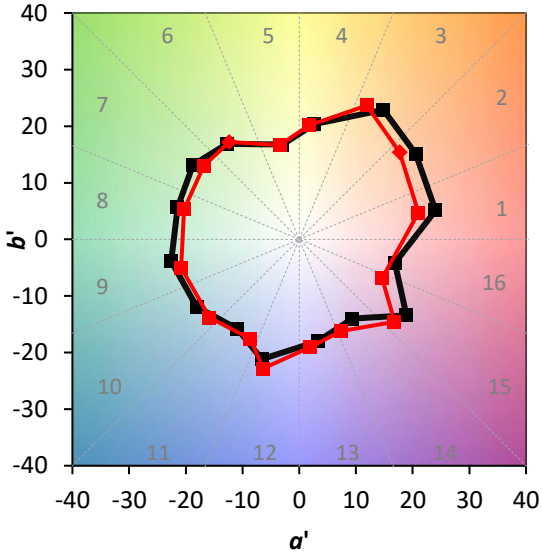
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R_g = 93.7
CIE R_a = 81.4
R_9 = 0.7

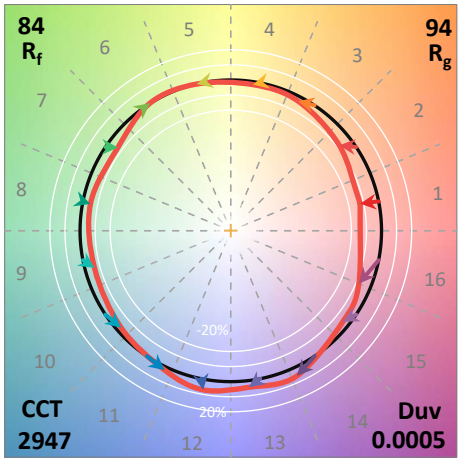
Spectral Power Distribution Comparison

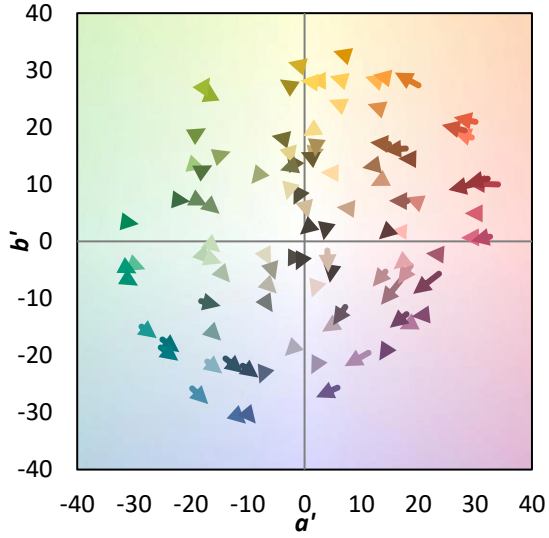


Color Vector Graphics







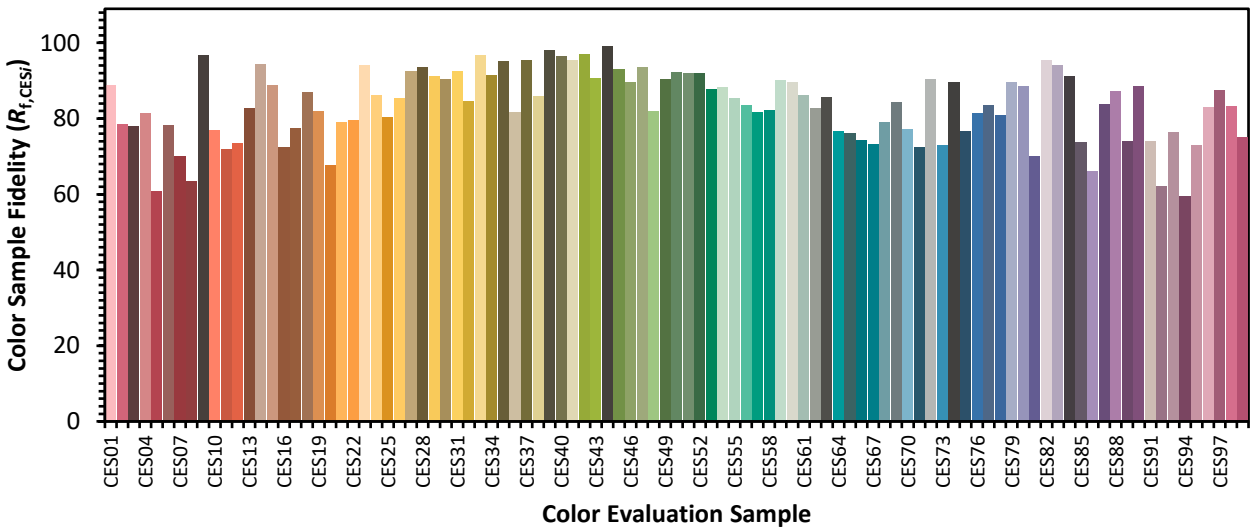


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Individual Sample Fidelity Index ($R_{f,i}$)

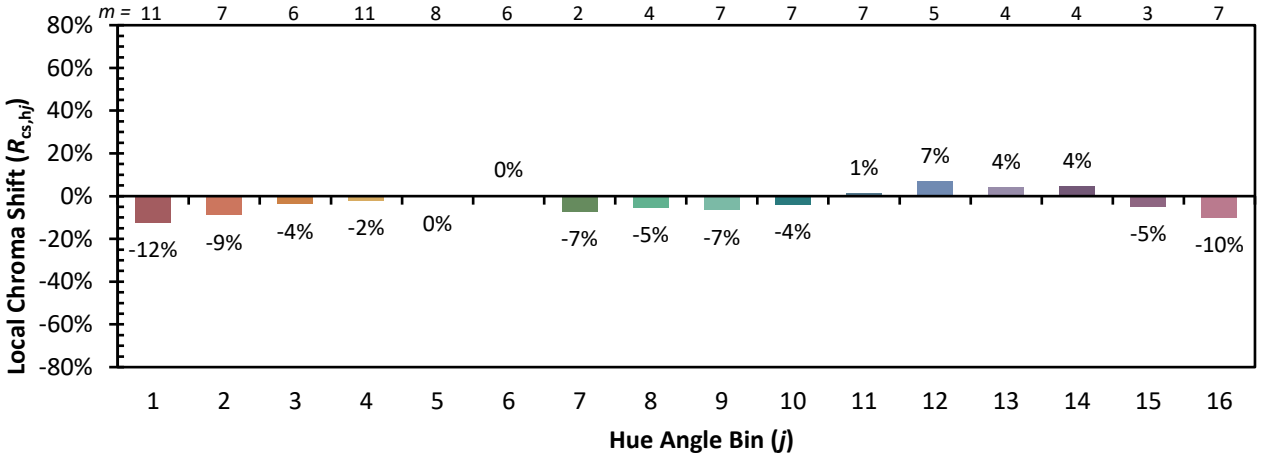
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CES02 = 63	CES27 = 92	CES52 = 92	CES77 = 84
CES03 = 31	CES28 = 94	CES53 = 88	CES78 = 81
CES04 = 71	CES29 = 91	CES54 = 88	CES79 = 90
CES05 = 50	CES30 = 90	CES55 = 85	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 83	CES81 = 70
CES07 = 42	CES32 = 84	CES57 = 82	CES82 = 95
CES08 = 41	CES33 = 97	CES58 = 82	CES83 = 94
CES09 = 29	CES34 = 91	CES59 = 90	CES84 = 91
CES10 = 76	CES35 = 95	CES60 = 90	CES85 = 74
CES11 = 59	CES36 = 82	CES61 = 86	CES86 = 66
CES12 = 65	CES37 = 96	CES62 = 83	CES87 = 84
CES13 = 44	CES38 = 86	CES63 = 86	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 77	CES89 = 74
CES15 = 72	CES40 = 96	CES65 = 76	CES90 = 89
CES16 = 48	CES41 = 95	CES66 = 74	CES91 = 74
CES17 = 50	CES42 = 97	CES67 = 73	CES92 = 62
CES18 = 57	CES43 = 91	CES68 = 79	CES93 = 76
CES19 = 72	CES44 = 99	CES69 = 84	CES94 = 60
CES20 = 67	CES45 = 93	CES70 = 77	CES95 = 73
CES21 = 87	CES46 = 90	CES71 = 73	CES96 = 83
CES22 = 79	CES47 = 93	CES72 = 91	CES97 = 88
CES23 = 92	CES48 = 82	CES73 = 73	CES98 = 83
CES24 = 91	CES49 = 90	CES74 = 90	CES99 = 75
CES25 = 72	CES50 = 92	CES75 = 77	

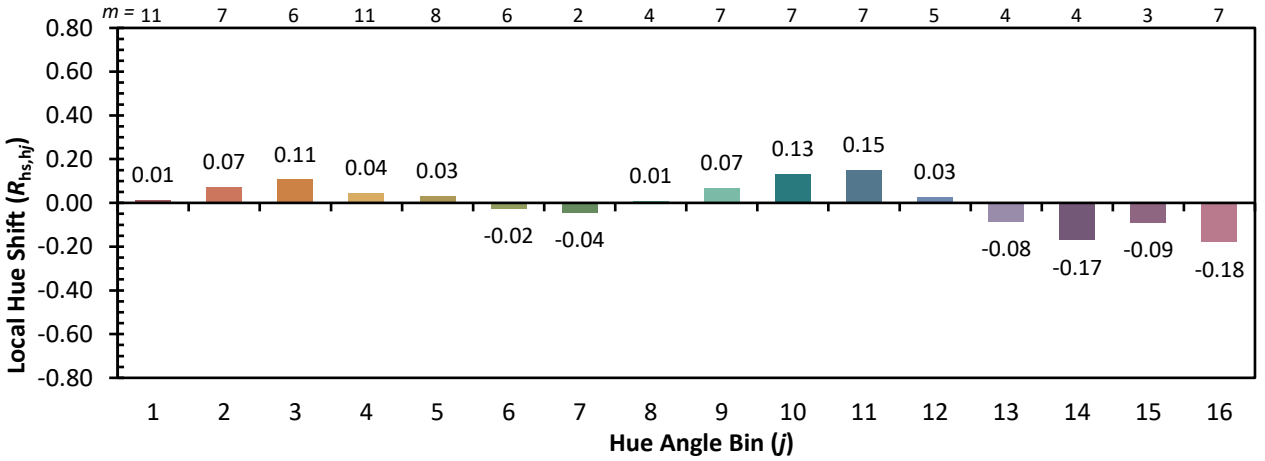


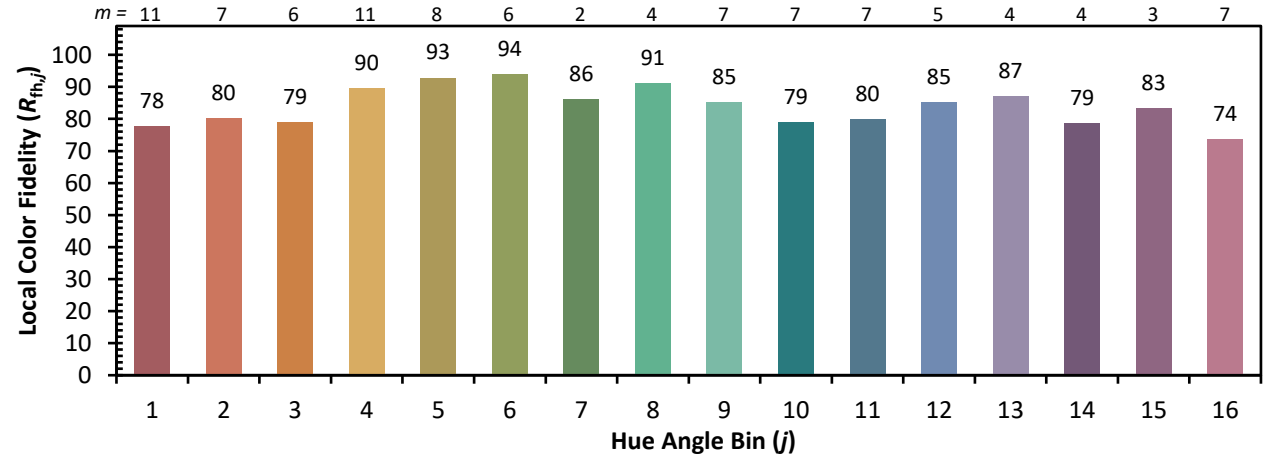
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Color Rendition by Hue-Angle Bin



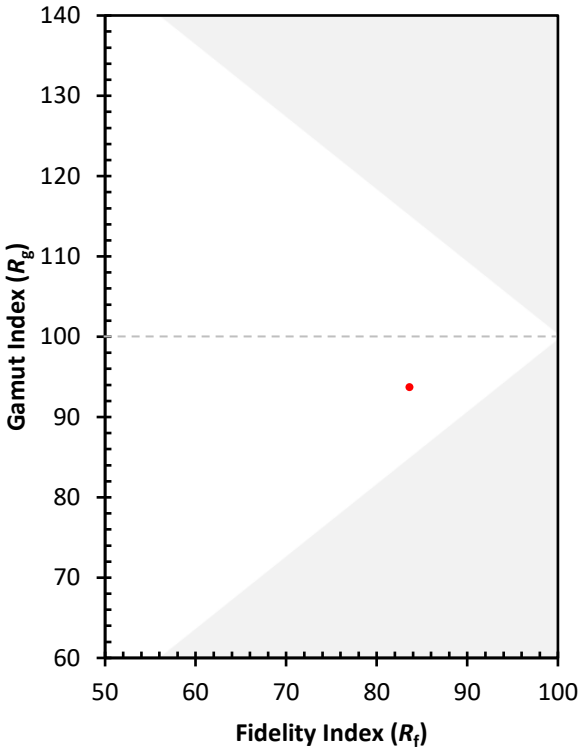


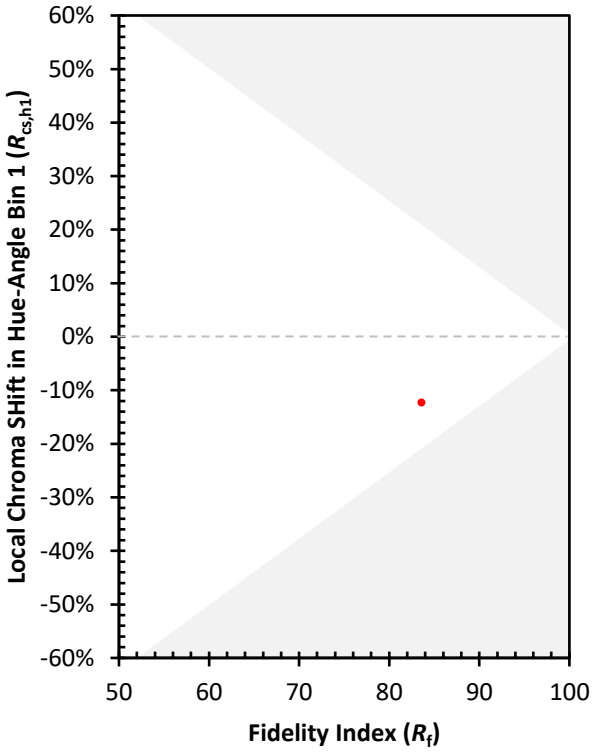


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Measure Comparisons





(END OF REPORT)