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: P1594645

Luminaire Tested: FLXB-4860-M-LOW-4000K

Issue Date: 10/2/2026

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594645
	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-M-LOW-4000K
Description:	4860 FlexBay Linear High bay at M beam, LOW lumen, 4000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	49298.0 lumens
Efficiency:	N/A
Efficacy:	169.9 lumens/watt
Spacing Criteria (0/90/45):	1.35 / 1.11 / 1.24
Luminous Opening:	Rectangular (W 1.04' x L: 2.12' x H: 0')
CIE Type:	Direct

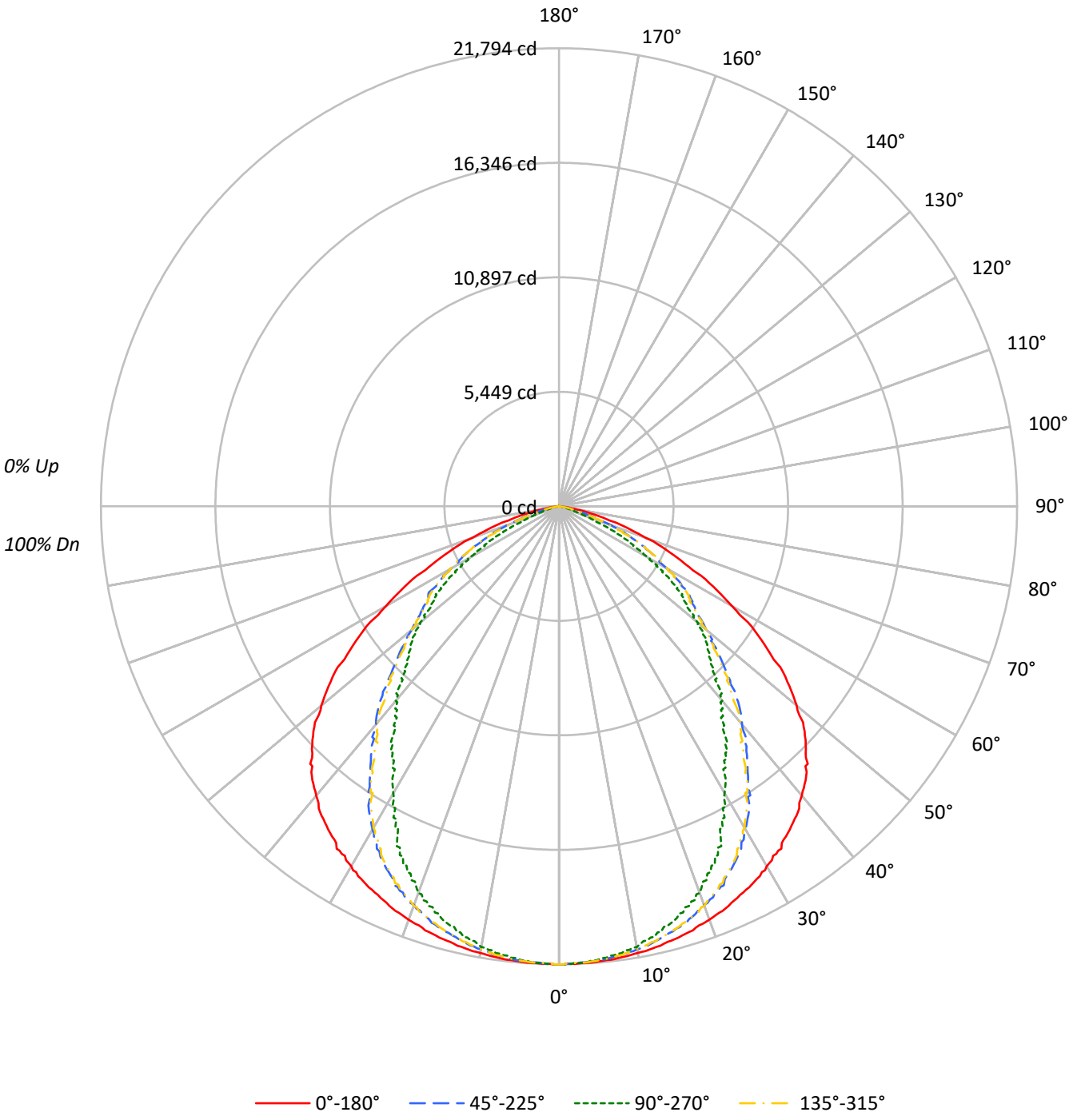
Input Watts (W):	290.1
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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	111	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	89	83	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	105976	105976	105976	105976
5°	106104	105660	106104	105660
10°	106557	105134	106557	105134
15°	107302	103365	107302	103365
20°	108313	101345	108313	101345
25°	109474	96116	109474	96116
30°	111020	88510	111020	88510
35°	112669	81744	112669	81744
40°	114079	76712	114079	76712
45°	114156	69327	114156	69327
50°	111622	65512	111622	65512
55°	104254	57934	104254	57934
60°	92574	48588	92574	48588
65°	78525	33725	78525	33725
70°	62283	19407	62283	19407
75°	43696	8586	43696	8586
80°	23536	5447	23536	5447
85°	11259	3671	11259	3671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46.5°
Luminance: 114308 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2061.5	4.2
10°-20°	5901.2	12.0
20°-30°	8806.6	17.9
30°-40°	9909.6	20.1
40°-50°	9237.0	18.7
50°-60°	7350.0	14.9
60°-70°	4456.7	9.0
70°-80°	1397.7	2.8
80°-90°	147.9	0.3
90°-100°	1.8	0.0
100°-110°	0.9	0.0
110°-120°	2.4	0.0
120°-130°	4.1	0.0
130°-140°	5.3	0.0
140°-150°	5.6	0.0
150°-160°	5.0	0.0
160°-170°	3.5	0.0
170°-180°	1.3	0.0
0°-30°	16769.3	34.0
0°-40°	26678.9	54.1
0°-60°	43265.9	87.8
0°-90°	49268.1	99.9
90°-120°	5.2	0.0
90°-150°	20.2	0.0
90°-180°	30.0	0.1
0°-180°	49298.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	21794	21794	21794	21794	21794	
5°	21737	21646	21737	21646	21737	2070
15°	21315	20533	21315	20533	21315	6026
25°	20404	17914	20404	17914	20404	9429
35°	18980	13770	18980	13770	18980	11885
45°	16600	10081	16600	10081	16600	12793
55°	12297	6834	12297	6834	12297	11000
65°	6825	2931	6825	2931	6825	6876
75°	2326	457	2326	457	2326	2606
85°	202	66	202	66	202	293
90°	10	15	10	15	10	11
95°	1	1	1	1	1	1
105°	2	1	2	1	2	2
115°	4	2	4	2	4	4
125°	6	3	6	3	6	5
135°	8	6	8	6	8	6
145°	10	8	10	8	10	6
155°	12	11	12	11	12	5
165°	12	13	12	13	12	3
175°	13	13	13	13	13	1
180°	14	14	14	14	14	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1
0.5°	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1	21794.1
1°	21779.7	21813.1	21750.7	21776.9	21740.1	21779.7	21779.7	21813.1	21750.7	21776.9	21740.1
1.5°	21772.4	21795.8	21759.6	21776.9	21762.4	21779.7	21772.4	21795.8	21759.6	21776.9	21762.4
2°	21786.9	21789.7	21740.6	21739.5	21732.3	21777.4	21786.9	21789.7	21740.6	21739.5	21732.3
2.5°	21774.6	21789.7	21684.3	21739.5	21732.3	21768.5	21774.6	21789.7	21684.3	21739.5	21732.3
3°	21754.6	21773.0	21688.8	21739.5	21732.3	21754.6	21754.6	21773.0	21688.8	21739.5	21732.3
3.5°	21760.1	21774.1	21688.8	21739.5	21732.3	21754.6	21760.1	21774.1	21688.8	21739.5	21732.3
4°	21760.7	21758.5	21677.7	21680.4	21685.5	21738.4	21760.7	21758.5	21677.7	21680.4	21685.5
4.5°	21757.9	21733.4	21654.8	21680.4	21676.0	21738.4	21757.9	21733.4	21654.8	21680.4	21676.0
5°	21737.3	21734.5	21649.8	21646.4	21654.3	21708.9	21737.3	21734.5	21649.8	21646.4	21654.3
5.5°	21722.2	21736.2	21623.6	21597.4	21614.1	21679.3	21722.2	21736.2	21623.6	21597.4	21614.1
6°	21712.8	21704.4	21623.6	21597.4	21614.7	21679.3	21712.8	21704.4	21623.6	21597.4	21614.7
6.5°	21718.9	21677.1	21560.6	21522.2	21582.9	21649.2	21718.9	21677.1	21560.6	21522.2	21582.9
7°	21708.3	21675.4	21519.9	21522.2	21546.1	21649.2	21708.3	21675.4	21519.9	21522.2	21546.1
7.5°	21684.3	21637.5	21503.8	21474.8	21508.2	21606.3	21684.3	21637.5	21503.8	21474.8	21508.2
8°	21655.9	21637.5	21458.6	21474.8	21508.2	21606.3	21655.9	21637.5	21458.6	21474.8	21508.2
8.5°	21648.7	21596.8	21438.0	21367.2	21422.4	21569.5	21648.7	21596.8	21438.0	21367.2	21422.4
9°	21630.8	21559.5	21369.4	21367.2	21394.5	21569.5	21630.8	21559.5	21369.4	21367.2	21394.5
9.5°	21598.0	21543.9	21369.4	21292.5	21361.1	21505.4	21598.0	21543.9	21369.4	21292.5	21361.1
10°	21580.7	21536.7	21283.0	21292.5	21296.4	21505.4	21580.7	21536.7	21283.0	21292.5	21296.4
10.5°	21562.8	21492.6	21283.0	21187.2	21270.8	21454.2	21562.8	21492.6	21283.0	21187.2	21270.8
11°	21556.2	21445.2	21197.8	21071.3	21224.5	21390.6	21556.2	21445.2	21197.8	21071.3	21224.5
11.5°	21529.4	21431.9	21197.8	21071.3	21167.7	21390.6	21529.4	21431.9	21197.8	21071.3	21167.7
12°	21497.1	21407.9	21096.9	20976.5	21079.6	21325.4	21497.1	21407.9	21096.9	20976.5	21079.6
12.5°	21463.6	21364.4	21030.6	20976.5	21079.6	21325.4	21463.6	21364.4	21030.6	20976.5	21079.6
13°	21455.8	21294.8	20992.7	20811.5	20958.1	21259.6	21455.8	21294.8	20992.7	20811.5	20958.1
13.5°	21402.9	21245.2	20918.5	20811.5	20958.1	21259.6	21402.9	21245.2	20918.5	20811.5	20958.1
14°	21359.4	21211.7	20866.2	20618.1	20856.7	21171.0	21359.4	21211.7	20866.2	20618.1	20856.7
14.5°	21339.3	21186.1	20743.5	20618.1	20772.0	21171.0	21339.3	21186.1	20743.5	20618.1	20772.0
15°	21314.8	21132.6	20743.5	20532.9	20722.4	21083.5	21314.8	21132.6	20743.5	20532.9	20722.4
15.5°	21292.0	21075.2	20618.7	20473.2	20665.5	21029.5	21292.0	21075.2	20618.7	20473.2	20665.5
16°	21251.3	21046.7	20618.7	20369.5	20585.8	20992.7	21251.3	21046.7	20618.7	20369.5	20585.8
16.5°	21212.3	21015.5	20479.4	20205.7	20501.6	20894.0	21212.3	21015.5	20479.4	20205.7	20501.6
17°	21172.7	20954.2	20479.4	20205.7	20448.1	20894.0	21172.7	20954.2	20479.4	20205.7	20448.1
17.5°	21157.7	20856.1	20322.7	20000.0	20277.6	20798.7	21157.7	20856.1	20322.7	20000.0	20277.6
18°	21077.9	20856.1	20228.0	20000.0	20277.6	20798.7	21077.9	20856.1	20228.0	20000.0	20277.6
18.5°	21027.2	20746.9	20154.4	19824.5	20122.1	20683.9	21027.2	20746.9	20154.4	19824.5	20122.1
19°	21001.6	20701.2	19977.7	19824.5	20122.1	20683.9	21001.6	20701.2	19977.7	19824.5	20122.1
19.5°	20968.7	20638.2	19977.7	19584.8	19931.5	20576.3	20968.7	20638.2	19977.7	19584.8	19931.5
20°	20931.4	20563.0	19800.5	19584.8	19851.8	20576.3	20931.4	20563.0	19800.5	19584.8	19851.8
20.5°	20876.7	20516.1	19800.5	19368.0	19751.5	20440.9	20876.7	20516.1	19800.5	19368.0	19751.5
21°	20832.2	20471.6	19611.6	19121.1	19629.9	20311.0	20832.2	20471.6	19611.6	19121.1	19629.9
21.5°	20788.7	20394.1	19611.6	19121.1	19543.0	20311.0	20788.7	20394.1	19611.6	19121.1	19543.0
22°	20759.7	20317.2	19321.2	18843.5	19303.3	20175.0	20759.7	20317.2	19321.2	18843.5	19303.3

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	20714.0	20264.8	19321.2	18843.5	19303.3	20175.0	20714.0	20264.8	19321.2	18843.5	19303.3
23°	20657.7	20119.3	19219.2	18578.8	19085.4	20017.3	20657.7	20119.3	19219.2	18578.8	19085.4
23.5°	20565.7	20119.3	19219.2	18578.8	19085.4	20017.3	20565.7	20119.3	19219.2	18578.8	19085.4
24°	20522.3	19973.8	18836.3	18241.6	18807.3	19864.6	20522.3	19973.8	18836.3	18241.6	18807.3
24.5°	20469.9	19880.2	18718.1	18241.6	18681.3	19864.6	20469.9	19880.2	18718.1	18241.6	18681.3
25°	20404.1	19808.3	18567.6	17914.4	18545.3	19683.4	20404.1	19808.3	18567.6	17914.4	18545.3
25.5°	20355.1	19739.7	18439.4	17914.4	18382.6	19683.4	20355.1	19739.7	18439.4	17914.4	18382.6
26°	20303.2	19641.7	18272.8	17546.0	18239.3	19510.1	20303.2	19641.7	18272.8	17546.0	18239.3
26.5°	20260.3	19538.0	18137.9	17164.8	18092.2	19428.7	20260.3	19538.0	18137.9	17164.8	18092.2
27°	20200.7	19464.4	17971.3	17164.8	17925.6	19320.1	20200.7	19464.4	17971.3	17164.8	17925.6
27.5°	20134.9	19377.5	17640.8	16774.6	17604.5	19119.4	20134.9	19377.5	17640.8	16774.6	17604.5
28°	20066.9	19272.7	17640.8	16774.6	17604.5	19119.4	20066.9	19272.7	17640.8	16774.6	17604.5
28.5°	20026.8	19076.5	17291.3	16336.0	17222.2	18908.7	20026.8	19076.5	17291.3	16336.0	17222.2
29°	19903.6	18959.4	17291.3	16336.0	17222.2	18908.7	19903.6	18959.4	17291.3	16336.0	17222.2
29.5°	19903.6	18858.0	16912.9	15950.3	16857.1	18665.2	19903.6	18858.0	16912.9	15950.3	16857.1
30°	19772.6	18754.9	16726.1	15763.6	16654.8	18665.2	19772.6	18754.9	16726.1	15763.6	16654.8
30.5°	19710.2	18635.1	16507.1	15572.4	16430.2	18423.3	19710.2	18635.1	16507.1	15572.4	16430.2
31°	19653.4	18494.1	16298.6	15392.4	16239.0	18265.0	19653.4	18494.1	16298.6	15392.4	16239.0
31.5°	19501.2	18389.3	16072.4	15163.9	15978.2	18153.0	19501.2	18389.3	16072.4	15163.9	15978.2
32°	19501.2	18266.7	15848.9	14752.6	15752.4	17872.1	19501.2	18266.7	15848.9	14752.6	15752.4
32.5°	19425.4	18130.7	15603.6	14752.6	15497.2	17872.1	19425.4	18130.7	15603.6	14752.6	15497.2
33°	19425.4	17859.8	15121.5	14423.7	14982.7	17553.8	19425.4	17859.8	15121.5	14423.7	14982.7
33.5°	19212.5	17859.8	15121.5	14423.7	14982.7	17553.8	19212.5	17859.8	15121.5	14423.7	14982.7
34°	19121.6	17558.3	14636.1	14148.9	14511.8	17211.0	19121.6	17558.3	14636.1	14148.9	14511.8
34.5°	19058.1	17405.5	14378.0	14148.9	14511.8	17211.0	19058.1	17405.5	14378.0	14148.9	14511.8
35°	18980.1	17239.5	14132.8	13770.5	14026.3	16852.7	18980.1	17239.5	14132.8	13770.5	14026.3
35.5°	18900.9	17032.1	13879.2	13770.5	13814.0	16852.7	18900.9	17032.1	13879.2	13770.5	13814.0
36°	18802.8	16883.3	13640.6	13406.5	13560.9	16437.4	18802.8	16883.3	13640.6	13406.5	13560.9
36.5°	18717.0	16686.0	13394.8	13063.2	13358.6	16002.1	18717.0	16686.0	13394.8	13063.2	13358.6
37°	18627.3	16502.6	13222.1	13063.2	13166.9	16002.1	18627.3	16502.6	13222.1	13063.2	13166.9
37.5°	18555.4	16261.3	13024.2	12667.5	12840.3	15513.3	18555.4	16261.3	13024.2	12667.5	12840.3
38°	18458.4	16085.7	12903.8	12667.5	12840.3	15513.3	18458.4	16085.7	12903.8	12667.5	12840.3
38.5°	18358.6	15625.9	12629.6	12381.6	12701.5	15009.5	18358.6	15625.9	12629.6	12381.6	12701.5
39°	18171.4	15625.9	12629.6	12381.6	12566.6	15009.5	18171.4	15625.9	12629.6	12381.6	12566.6
39.5°	18068.2	15126.0	12359.3	12085.1	12423.9	14490.0	18068.2	15126.0	12359.3	12085.1	12423.9
40°	17971.8	14821.7	12246.1	12085.1	12382.1	14490.0	17971.8	14821.7	12246.1	12085.1	12382.1
40.5°	17845.9	14589.2	12214.9	11802.5	12285.2	13947.2	17845.9	14589.2	12214.9	11802.5	12285.2
41°	17750.0	14298.3	12144.2	11802.5	12128.5	13947.2	17750.0	14298.3	12144.2	11802.5	12128.5
41.5°	17631.8	14024.7	12038.2	11479.2	12044.9	13407.7	17631.8	14024.7	12038.2	11479.2	12044.9
42°	17536.5	13696.9	11960.2	11105.8	11900.6	12889.3	17536.5	13696.9	11960.2	11105.8	11900.6
42.5°	17405.0	13417.1	11808.6	11105.8	11759.0	12889.3	17405.0	13417.1	11808.6	11105.8	11759.0
43°	17282.9	13118.4	11515.5	10731.3	11461.4	12379.4	17282.9	13118.4	11515.5	10731.3	11461.4
43.5°	17037.7	12818.0	11515.5	10731.3	11461.4	12379.4	17037.7	12818.0	11515.5	10731.3	11461.4
44°	17037.7	12274.6	11202.8	10347.8	11105.8	11892.2	17037.7	12274.6	11202.8	10347.8	11105.8
44.5°	16764.0	12018.7	11202.8	10347.8	11105.8	11892.2	16764.0	12018.7	11202.8	10347.8	11105.8

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

Scaled Data Report

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	16600.2	11753.4	10865.0	10081.4	10720.1	11413.5	16600.2	11753.4	10865.0	10081.4	10720.1
45.5°	16476.4	11526.0	10681.7	10081.4	10546.8	11413.5	16476.4	11526.0	10681.7	10081.4	10546.8
46°	16315.4	11249.6	10505.0	9845.1	10369.5	10964.2	16315.4	11249.6	10505.0	9845.1	10369.5
46.5°	16181.6	11032.2	10321.1	9689.0	10207.9	10793.1	16181.6	11032.2	10321.1	9689.0	10207.9
47°	15998.8	10758.0	10146.0	9655.0	10032.3	10515.6	15998.8	10758.0	10146.0	9655.0	10032.3
47.5°	15842.7	10557.9	9969.9	9438.2	9856.2	10089.7	15842.7	10557.9	9969.9	9438.2	9856.2
48°	15652.7	10280.4	9784.9	9438.2	9697.4	10089.7	15652.7	10280.4	9784.9	9438.2	9697.4
48.5°	15510.0	9866.3	9443.8	9068.7	9365.7	9712.4	15510.0	9866.3	9443.8	9068.7	9365.7
49°	15138.2	9866.3	9443.8	9068.7	9365.7	9712.4	15138.2	9866.3	9443.8	9068.7	9365.7
49.5°	14924.2	9499.5	9289.4	8660.1	9041.4	9377.4	14924.2	9499.5	9289.4	8660.1	9041.4
50°	14755.3	9354.0	8964.5	8660.1	9041.4	9377.4	14755.3	9354.0	8964.5	8660.1	9041.4
50.5°	14541.3	9161.2	8782.8	8262.2	8463.9	9065.3	14541.3	9161.2	8782.8	8262.2	8463.9
51°	14350.7	9009.6	8612.8	8262.2	8463.9	9065.3	14350.7	9009.6	8612.8	8262.2	8463.9
51.5°	14117.7	8841.3	8416.6	7918.3	8264.4	8747.1	14117.7	8841.3	8416.6	7918.3	8264.4
52°	13918.8	8544.8	8214.8	7662.5	8264.4	8451.1	13918.8	8544.8	8214.8	7662.5	8264.4
52.5°	13685.8	8544.8	8019.2	7662.5	8095.0	8451.1	13685.8	8544.8	8019.2	7662.5	8095.0
53°	13487.9	8403.2	7833.0	7437.9	7569.4	8186.4	13487.9	8403.2	7833.0	7437.9	7569.4
53.5°	13244.9	8403.2	7656.3	7437.9	7569.4	8186.4	13244.9	8403.2	7656.3	7437.9	7569.4
54°	13016.4	8270.0	7344.8	7206.6	7389.4	7972.4	13016.4	8270.0	7344.8	7206.6	7389.4
54.5°	12546.0	8270.0	7344.8	7206.6	7389.4	7972.4	12546.0	8270.0	7344.8	7206.6	7389.4
55°	12297.4	8137.3	7157.0	6833.7	7272.9	7779.0	12297.4	8137.3	7157.0	6833.7	7272.9
55.5°	12058.3	8010.3	7063.3	6833.7	7209.4	7779.0	12058.3	8010.3	7063.3	6833.7	7209.4
56°	11798.6	8010.3	6992.5	6519.3	7109.6	7531.5	11798.6	8010.3	6992.5	6519.3	7109.6
56.5°	11555.6	7923.3	6922.3	6334.3	6966.9	7405.5	11555.6	7923.3	6922.3	6334.3	6966.9
57°	11302.0	7181.5	6738.4	6192.2	6809.2	7270.1	11302.0	7181.5	6738.4	6192.2	6809.2
57.5°	11061.2	7095.7	6665.9	5831.0	6691.6	7004.8	11061.2	7095.7	6665.9	5831.0	6691.6
58°	10802.0	6954.6	6548.9	5831.0	6441.9	7004.8	10802.0	6954.6	6548.9	5831.0	6441.9
58.5°	10541.8	6843.7	6142.6	5429.2	5994.3	6801.9	10541.8	6843.7	6142.6	5429.2	5994.3
59°	10035.7	6697.1	6142.6	5429.2	5994.3	6801.9	10035.7	6697.1	6142.6	5429.2	5994.3
59.5°	9783.8	6443.5	5685.6	4996.1	5472.6	6559.5	9783.8	6443.5	5685.6	4996.1	5472.6
60°	9519.0	6325.9	5685.6	4996.1	5472.6	6559.5	9519.0	6325.9	5685.6	4996.1	5472.6
60.5°	9265.4	6186.1	5249.1	4599.8	5100.9	6285.3	9265.4	6186.1	5249.1	4599.8	5100.9
61°	9011.3	5911.3	5024.5	4599.8	4979.4	6285.3	9011.3	5911.3	5024.5	4599.8	4979.4
61.5°	8771.0	5911.3	4927.0	4282.1	4979.4	6069.0	8771.0	5911.3	4927.0	4282.1	4979.4
62°	8513.6	5797.0	4718.5	4000.1	4796.6	5847.2	8513.6	5797.0	4718.5	4000.1	4796.6
62.5°	8273.9	5797.0	4557.5	4000.1	4796.6	5847.2	8273.9	5797.0	4557.5	4000.1	4796.6
63°	8012.5	5528.4	4407.5	3703.0	4255.4	5554.6	8012.5	5528.4	4407.5	3703.0	4255.4
63.5°	7779.5	5528.4	4108.8	3703.0	4092.1	5554.6	7779.5	5528.4	4108.8	3703.0	4092.1
64°	7534.8	5287.0	3907.6	3349.1	3958.3	5274.2	7534.8	5287.0	3907.6	3349.1	3958.3
64.5°	7053.3	5181.7	3907.6	3349.1	3802.3	5274.2	7053.3	5181.7	3907.6	3349.1	3802.3
65°	6824.8	5026.2	3516.9	2931.1	3633.4	4979.9	6824.8	5026.2	3516.9	2931.1	3633.4
65.5°	6587.9	4777.1	3358.0	2931.1	3463.4	4979.9	6587.9	4777.1	3358.0	2931.1	3463.4
66°	6369.4	4777.1	3202.5	2518.1	3248.2	4701.8	6369.4	4777.1	3202.5	2518.1	3248.2
66.5°	6133.7	4465.5	3045.9	2518.1	2865.9	4701.8	6133.7	4465.5	3045.9	2518.1	2865.9
67°	5914.6	4465.5	2853.1	2178.7	2865.9	4403.1	5914.6	4465.5	2853.1	2178.7	2865.9

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Scaled Data Report

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	5681.1	4188.5	2682.5	1901.7	2504.2	4067.0	5681.1	4188.5	2682.5	1901.7	2504.2
68°	5470.4	4188.5	2517.6	1901.7	2504.2	4067.0	5470.4	4188.5	2517.6	1901.7	2504.2
68.5°	5244.1	3906.5	2315.8	1631.9	2186.5	3687.4	5244.1	3906.5	2315.8	1631.9	2186.5
69°	5037.3	3772.2	2177.0	1631.9	1986.4	3687.4	5037.3	3772.2	2177.0	1631.9	1986.4
69.5°	4804.9	3613.3	1871.6	1365.0	1824.2	3345.2	4804.9	3613.3	1871.6	1365.0	1824.2
70°	4380.8	3465.1	1871.6	1365.0	1645.3	3345.2	4380.8	3465.1	1871.6	1365.0	1645.3
70.5°	4185.7	3287.3	1590.7	1135.3	1489.8	3062.1	4185.7	3287.3	1590.7	1135.3	1489.8
71°	3966.1	2941.7	1404.5	1135.3	1202.2	3062.1	3966.1	2941.7	1404.5	1135.3	1202.2
71.5°	3777.7	2941.7	1327.1	959.2	1202.2	2765.0	3777.7	2941.7	1327.1	959.2	1202.2
72°	3569.8	2604.5	1149.3	852.2	969.2	2474.6	3569.8	2604.5	1149.3	852.2	969.2
72.5°	3393.2	2604.5	1084.6	824.3	969.2	2474.6	3393.2	2604.5	1084.6	824.3	969.2
73°	3191.4	2284.0	940.3	706.2	830.5	2358.2	3191.4	2284.0	940.3	706.2	830.5
73.5°	3019.2	2284.0	882.3	706.2	767.5	2075.6	3019.2	2284.0	882.3	706.2	767.5
74°	2819.6	1971.9	721.2	582.4	704.5	1963.6	2819.6	1971.9	721.2	582.4	704.5
74.5°	2475.2	1791.9	721.2	582.4	635.4	1773.5	2475.2	1791.9	721.2	582.4	635.4
75°	2325.8	1663.1	619.8	457.0	570.7	1657.6	2325.8	1663.1	619.8	457.0	570.7
75.5°	2145.2	1399.5	619.8	457.0	528.9	1472.5	2145.2	1399.5	619.8	457.0	528.9
76°	2005.4	1399.5	526.1	357.3	482.7	1378.9	2005.4	1399.5	526.1	357.3	482.7
76.5°	1834.2	1165.4	456.5	357.3	384.0	1213.4	1834.2	1165.4	456.5	357.3	384.0
77°	1709.4	1165.4	418.6	308.8	384.0	1152.0	1709.4	1165.4	418.6	308.8	384.0
77.5°	1549.4	940.8	372.9	280.3	353.4	965.3	1549.4	940.8	372.9	280.3	353.4
78°	1436.3	828.2	338.9	280.3	312.1	841.0	1436.3	828.2	338.9	280.3	312.1
78.5°	1285.3	721.8	306.5	233.5	312.1	811.5	1285.3	721.8	306.5	233.5	312.1
79°	1188.8	721.8	290.9	233.5	271.4	688.9	1188.8	721.8	290.9	233.5	271.4
79.5°	1048.9	536.7	252.5	194.5	233.5	667.7	1048.9	536.7	252.5	194.5	233.5
80°	840.5	447.6	252.5	194.5	176.1	551.8	840.5	447.6	252.5	194.5	176.1
80.5°	774.2	395.7	199.5	156.6	159.4	418.0	774.2	395.7	199.5	156.6	159.4
81°	660.5	296.0	158.8	156.6	152.7	418.0	660.5	296.0	158.8	156.6	152.7
81.5°	608.1	296.0	149.4	131.0	146.6	401.9	608.1	296.0	149.4	131.0	146.6
82°	506.6	231.3	129.9	131.0	122.1	308.2	506.6	231.3	129.9	131.0	122.1
82.5°	465.4	231.3	123.2	114.3	122.1	293.7	465.4	231.3	123.2	114.3	122.1
83°	380.1	178.9	114.8	93.1	98.1	217.9	380.1	178.9	114.8	93.1	98.1
83.5°	350.0	178.9	104.8	93.1	98.1	172.8	350.0	178.9	104.8	93.1	98.1
84°	280.3	134.9	93.1	76.4	84.2	163.3	280.3	134.9	93.1	76.4	84.2
84.5°	258.6	112.6	80.3	76.4	76.4	132.6	258.6	112.6	80.3	76.4	76.4
85°	201.8	98.1	63.0	65.8	68.0	124.3	201.8	98.1	63.0	65.8	68.0
85.5°	142.1	82.5	63.0	65.8	55.2	102.6	142.1	82.5	63.0	65.8	55.2
86°	130.4	69.1	52.4	54.6	40.1	99.8	130.4	69.1	52.4	54.6	40.1
86.5°	97.5	45.1	45.1	54.6	26.2	77.5	97.5	45.1	45.1	54.6	26.2
87°	83.0	45.1	40.1	40.7	26.2	73.6	83.0	45.1	40.1	40.7	26.2
87.5°	59.6	24.0	27.3	26.2	22.9	55.7	59.6	24.0	27.3	26.2	22.9
88°	50.2	24.0	24.0	24.5	22.9	40.7	50.2	24.0	24.0	24.5	22.9
88.5°	33.4	12.3	12.8	16.2	14.5	40.7	33.4	12.3	12.8	16.2	14.5
89°	33.4	12.3	8.9	16.2	8.9	29.5	33.4	12.3	8.9	16.2	8.9
89.5°	21.2	5.0	8.9	15.0	3.9	29.5	21.2	5.0	8.9	15.0	3.9

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	10.0	1.1	8.9	15.0	1.7	17.3	10.0	1.1	8.9	15.0	1.7
90.5°	10.0	1.1	8.9	11.1	0.6	17.3	10.0	1.1	8.9	11.1	0.6
91°	2.2	1.1	8.9	11.1	0.6	8.4	2.2	1.1	8.9	11.1	0.6
91.5°	2.2	1.1	2.8	5.6	0.6	8.4	2.2	1.1	2.8	5.6	0.6
92°	0.6	0.6	0.6	5.6	0.6	5.6	0.6	0.6	0.6	5.6	0.6
92.5°	0.6	0.6	0.6	1.7	0.6	5.6	0.6	0.6	0.6	1.7	0.6
93°	0.6	0.6	0.6	1.1	0.6	1.1	0.6	0.6	0.6	1.1	0.6
93.5°	0.6	0.6	0.6	1.1	0.6	0.6	0.6	0.6	0.6	1.1	0.6
94°	0.6	0.6	0.6	1.1	0.0	0.6	0.6	0.6	0.6	1.1	0.0
94.5°	0.6	0.6	0.6	1.1	0.0	0.6	0.6	0.6	0.6	1.1	0.0
95°	0.6	0.6	0.6	1.1	0.0	0.6	0.6	0.6	0.6	1.1	0.0
95.5°	0.6	0.6	0.6	1.1	0.0	0.6	0.6	0.6	0.6	1.1	0.0
96°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
96.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
97°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
97.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
98°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
98.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
99°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
99.5°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
100°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
100.5°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
101°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
101.5°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
102°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
102.5°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
103°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
103.5°	1.1	0.6	0.6	0.0	0.0	0.6	1.1	0.6	0.6	0.0	0.0
104°	1.1	0.6	0.6	0.6	0.0	0.6	1.1	0.6	0.6	0.6	0.0
104.5°	1.1	0.6	0.6	0.6	0.6	0.6	1.1	0.6	0.6	0.6	0.6
105°	1.7	1.1	1.1	0.6	0.6	0.6	1.7	1.1	1.1	0.6	0.6
105.5°	1.7	1.7	1.1	0.6	0.6	0.6	1.7	1.7	1.1	0.6	0.6
106°	1.7	1.7	0.6	0.6	0.6	1.1	1.7	1.7	0.6	0.6	0.6
106.5°	1.7	1.7	0.6	0.6	0.6	1.1	1.7	1.7	0.6	0.6	0.6
107°	1.7	1.7	1.1	0.6	0.6	1.1	1.7	1.7	1.1	0.6	0.6
107.5°	1.7	1.7	1.1	0.6	1.1	1.1	1.7	1.7	1.1	0.6	1.1
108°	2.2	1.7	1.1	0.6	1.1	1.1	2.2	1.7	1.1	0.6	1.1
108.5°	2.2	1.7	1.1	1.1	1.1	1.7	2.2	1.7	1.1	1.1	1.1
109°	2.2	1.7	1.1	1.1	1.1	1.7	2.2	1.7	1.1	1.1	1.1
109.5°	2.8	1.7	1.1	1.1	1.1	1.7	2.8	1.7	1.1	1.1	1.1
110°	2.8	1.7	1.1	1.1	1.1	1.7	2.8	1.7	1.1	1.1	1.1
110.5°	2.8	1.7	1.1	1.1	1.1	1.7	2.8	1.7	1.1	1.1	1.1
111°	2.8	1.7	1.1	1.1	1.1	1.7	2.8	1.7	1.1	1.1	1.1
111.5°	2.8	1.7	1.1	1.1	1.1	1.7	2.8	1.7	1.1	1.1	1.1
112°	2.8	2.2	1.1	1.1	1.1	1.7	2.8	2.2	1.1	1.1	1.1

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Scaled Data Report

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	2.8	2.2	1.7	1.1	1.1	2.2	2.8	2.2	1.7	1.1	1.1
113°	2.8	2.8	1.7	1.1	1.1	2.2	2.8	2.8	1.7	1.1	1.1
113.5°	2.8	2.8	1.7	1.1	1.1	2.2	2.8	2.8	1.7	1.1	1.1
114°	3.3	2.8	1.7	2.2	1.7	2.2	3.3	2.8	1.7	2.2	1.7
114.5°	3.3	2.8	2.2	2.2	1.7	2.2	3.3	2.8	2.2	2.2	1.7
115°	3.9	2.8	2.2	2.2	1.7	2.2	3.9	2.8	2.2	2.2	1.7
115.5°	3.9	2.8	2.2	2.2	2.2	2.2	3.9	2.8	2.2	2.2	2.2
116°	3.9	2.8	2.2	2.2	2.2	2.8	3.9	2.8	2.2	2.2	2.2
116.5°	3.9	3.3	2.2	2.2	2.2	2.8	3.9	3.3	2.2	2.2	2.2
117°	3.9	3.3	2.8	2.2	2.2	3.3	3.9	3.3	2.8	2.2	2.2
117.5°	3.9	3.3	2.8	2.2	2.2	3.3	3.9	3.3	2.8	2.2	2.2
118°	4.5	3.3	2.8	2.2	2.2	3.3	4.5	3.3	2.8	2.2	2.2
118.5°	4.5	3.9	2.8	2.2	2.2	3.3	4.5	3.9	2.8	2.2	2.2
119°	4.5	3.9	2.8	2.2	2.2	3.3	4.5	3.9	2.8	2.2	2.2
119.5°	5.0	3.9	2.8	2.2	2.8	3.3	5.0	3.9	2.8	2.2	2.8
120°	5.0	3.9	2.8	3.3	2.8	3.3	5.0	3.9	2.8	3.3	2.8
120.5°	5.0	3.9	2.8	3.3	2.8	3.3	5.0	3.9	2.8	3.3	2.8
121°	5.0	3.9	3.3	3.3	2.8	3.3	5.0	3.9	3.3	3.3	2.8
121.5°	5.6	3.9	3.3	3.3	2.8	3.9	5.6	3.9	3.3	3.3	2.8
122°	5.6	5.0	3.3	3.3	3.3	3.9	5.6	5.0	3.3	3.3	3.3
122.5°	5.0	5.0	3.9	3.3	3.3	4.5	5.0	5.0	3.9	3.3	3.3
123°	5.0	5.0	3.9	3.3	3.3	4.5	5.0	5.0	3.9	3.3	3.3
123.5°	5.6	5.0	3.9	3.3	3.3	4.5	5.6	5.0	3.9	3.3	3.3
124°	5.6	5.0	3.9	3.3	3.9	4.5	5.6	5.0	3.9	3.3	3.9
124.5°	5.6	5.0	3.9	3.3	3.9	4.5	5.6	5.0	3.9	3.3	3.9
125°	6.1	5.0	3.9	3.3	3.9	4.5	6.1	5.0	3.9	3.3	3.9
125.5°	6.1	5.0	3.9	3.9	3.9	4.5	6.1	5.0	3.9	3.9	3.9
126°	6.1	5.6	4.5	3.9	3.9	5.6	6.1	5.6	4.5	3.9	3.9
126.5°	6.1	5.6	4.5	4.5	3.9	5.6	6.1	5.6	4.5	4.5	3.9
127°	6.1	5.6	5.0	4.5	3.9	5.6	6.1	5.6	5.0	4.5	3.9
127.5°	6.1	6.1	5.0	4.5	4.5	5.6	6.1	6.1	5.0	4.5	4.5
128°	6.7	6.1	5.0	4.5	4.5	5.6	6.7	6.1	5.0	4.5	4.5
128.5°	6.7	6.1	5.0	4.5	5.0	5.6	6.7	6.1	5.0	4.5	5.0
129°	6.7	6.1	5.0	4.5	5.0	5.6	6.7	6.1	5.0	4.5	5.0
129.5°	7.2	6.1	5.0	4.5	5.0	6.1	7.2	6.1	5.0	4.5	5.0
130°	7.2	6.1	5.0	4.5	5.0	6.1	7.2	6.1	5.0	4.5	5.0
130.5°	7.2	6.7	5.0	4.5	5.0	6.1	7.2	6.7	5.0	4.5	5.0
131°	7.2	6.7	5.0	5.6	5.0	6.1	7.2	6.7	5.0	5.6	5.0
131.5°	7.2	6.7	5.0	5.6	5.0	6.7	7.2	6.7	5.0	5.6	5.0
132°	7.2	7.2	5.6	5.6	5.6	6.7	7.2	7.2	5.6	5.6	5.6
132.5°	7.8	7.2	6.1	5.6	6.1	6.7	7.8	7.2	6.1	5.6	6.1
133°	7.8	7.2	6.1	5.6	5.6	6.7	7.8	7.2	6.1	5.6	5.6
133.5°	7.8	7.2	6.1	5.6	5.6	6.7	7.8	7.2	6.1	5.6	5.6
134°	7.8	7.2	6.1	5.6	6.1	6.7	7.8	7.2	6.1	5.6	6.1
134.5°	7.8	7.2	6.1	5.6	6.1	6.7	7.8	7.2	6.1	5.6	6.1

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1121 Highway 74 South
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TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	7.8	7.2	6.1	5.6	6.1	7.2	7.8	7.2	6.1	5.6	6.1
135.5°	8.4	7.2	6.1	6.1	6.1	7.2	8.4	7.2	6.1	6.1	6.1
136°	8.4	7.2	6.1	6.7	6.1	7.2	8.4	7.2	6.1	6.7	6.1
136.5°	8.4	7.2	7.2	6.7	6.1	7.2	8.4	7.2	7.2	6.7	6.1
137°	8.4	7.8	7.2	6.7	6.1	7.8	8.4	7.8	7.2	6.7	6.1
137.5°	8.4	8.4	6.7	6.7	6.1	7.8	8.4	8.4	6.7	6.7	6.1
138°	8.4	8.4	7.2	6.7	6.7	7.8	8.4	8.4	7.2	6.7	6.7
138.5°	8.4	8.4	7.2	6.7	7.2	7.8	8.4	8.4	7.2	6.7	7.2
139°	8.9	8.4	7.2	6.7	7.2	7.8	8.9	8.4	7.2	6.7	7.2
139.5°	8.9	8.4	7.2	6.7	7.2	8.4	8.9	8.4	7.2	6.7	7.2
140°	8.9	8.4	7.2	6.7	7.2	8.4	8.9	8.4	7.2	6.7	7.2
140.5°	8.9	8.9	7.2	7.2	7.2	8.4	8.9	8.9	7.2	7.2	7.2
141°	8.9	8.9	7.2	7.8	7.2	8.4	8.9	8.9	7.2	7.8	7.2
141.5°	9.5	8.9	7.8	7.8	7.2	8.4	9.5	8.9	7.8	7.8	7.2
142°	9.5	8.9	8.4	7.8	7.2	8.4	9.5	8.9	8.4	7.8	7.2
142.5°	9.5	8.9	8.4	7.8	7.8	8.9	9.5	8.9	8.4	7.8	7.8
143°	9.5	9.5	8.4	7.8	8.4	8.9	9.5	9.5	8.4	7.8	8.4
143.5°	9.5	9.5	8.4	7.8	8.4	8.9	9.5	9.5	8.4	7.8	8.4
144°	9.5	9.5	8.4	7.8	8.4	8.9	9.5	9.5	8.4	7.8	8.4
144.5°	10.0	9.5	8.4	7.8	8.4	8.9	10.0	9.5	8.4	7.8	8.4
145°	10.0	10.0	8.4	8.4	8.4	9.5	10.0	10.0	8.4	8.4	8.4
145.5°	10.0	10.0	8.4	8.9	8.4	9.5	10.0	10.0	8.4	8.9	8.4
146°	10.6	10.0	8.9	8.9	8.4	9.5	10.6	10.0	8.9	8.9	8.4
146.5°	10.0	10.0	8.9	8.9	8.4	9.5	10.0	10.0	8.9	8.9	8.4
147°	10.0	10.0	8.9	8.9	8.9	9.5	10.0	10.0	8.9	8.9	8.9
147.5°	10.6	10.0	9.5	8.9	8.9	9.5	10.6	10.0	9.5	8.9	8.9
148°	10.6	10.0	9.5	8.9	8.9	9.5	10.6	10.0	9.5	8.9	8.9
148.5°	10.6	10.0	9.5	8.9	8.9	9.5	10.6	10.0	9.5	8.9	8.9
149°	10.6	10.0	9.5	8.9	8.9	10.0	10.6	10.0	9.5	8.9	8.9
149.5°	10.6	10.0	9.5	8.9	9.5	10.0	10.6	10.0	9.5	8.9	9.5
150°	10.6	10.0	9.5	9.5	9.5	10.6	10.6	10.0	9.5	9.5	9.5
150.5°	10.6	10.6	9.5	10.0	9.5	10.6	10.6	10.6	9.5	10.0	9.5
151°	11.1	10.6	9.5	10.0	9.5	10.6	11.1	10.6	9.5	10.0	9.5
151.5°	11.1	10.6	10.0	10.0	9.5	10.6	11.1	10.6	10.0	10.0	9.5
152°	11.1	10.6	10.0	10.0	9.5	10.6	11.1	10.6	10.0	10.0	9.5
152.5°	11.1	11.1	10.0	10.0	10.0	10.6	11.1	11.1	10.0	10.0	10.0
153°	11.7	11.1	10.6	10.0	10.0	10.6	11.7	11.1	10.6	10.0	10.0
153.5°	11.7	11.1	10.6	10.0	10.0	10.6	11.7	11.1	10.6	10.0	10.0
154°	11.7	11.1	10.6	10.0	10.0	10.6	11.7	11.1	10.6	10.0	10.0
154.5°	11.7	11.1	10.6	11.1	10.0	11.1	11.7	11.1	10.6	11.1	10.0
155°	11.7	11.1	10.6	11.1	10.6	11.1	11.7	11.1	10.6	11.1	10.6
155.5°	11.7	11.1	10.6	11.1	10.6	11.1	11.7	11.1	10.6	11.1	10.6
156°	11.7	11.1	10.6	11.1	10.6	11.1	11.7	11.1	10.6	11.1	10.6
156.5°	11.7	11.1	10.6	11.1	10.6	11.1	11.7	11.1	10.6	11.1	10.6
157°	11.7	11.1	10.6	11.1	10.6	11.1	11.7	11.1	10.6	11.1	10.6

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TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	11.7	11.7	11.1	11.1	10.6	11.1	11.7	11.7	11.1	11.1	10.6
158°	11.7	11.7	11.1	11.1	10.6	11.1	11.7	11.7	11.1	11.1	10.6
158.5°	11.7	11.7	11.1	11.1	10.6	11.1	11.7	11.7	11.1	11.1	10.6
159°	11.7	11.7	11.7	11.1	10.6	11.1	11.7	11.7	11.7	11.1	10.6
159.5°	11.7	12.3	11.7	11.1	10.6	11.7	11.7	12.3	11.7	11.1	10.6
160°	11.7	12.3	11.7	11.7	10.6	11.7	11.7	12.3	11.7	11.7	10.6
160.5°	11.7	12.3	11.7	12.3	11.7	12.3	11.7	12.3	11.7	12.3	11.7
161°	11.7	12.3	11.7	11.7	11.7	12.3	11.7	12.3	11.7	11.7	11.7
161.5°	11.7	12.3	11.7	11.7	11.7	12.3	11.7	12.3	11.7	11.7	11.7
162°	11.7	12.3	11.7	12.3	11.7	12.3	11.7	12.3	11.7	12.3	11.7
162.5°	11.7	12.3	11.7	12.3	11.7	12.3	11.7	12.3	11.7	12.3	11.7
163°	12.3	12.3	11.7	12.3	11.7	12.3	12.3	12.3	11.7	12.3	11.7
163.5°	12.3	12.3	12.3	12.3	11.7	12.3	12.3	12.3	12.3	12.3	11.7
164°	12.3	12.3	12.3	12.3	11.7	12.3	12.3	12.3	12.3	12.3	11.7
164.5°	12.3	12.3	12.8	12.3	11.7	12.3	12.3	12.3	12.8	12.3	11.7
165°	12.3	12.3	12.8	12.8	12.3	12.3	12.3	12.3	12.8	12.8	12.3
165.5°	12.8	12.3	12.8	12.8	12.3	12.3	12.8	12.3	12.8	12.8	12.3
166°	12.8	12.3	12.8	12.8	12.3	12.3	12.8	12.3	12.8	12.8	12.3
166.5°	12.8	12.3	12.8	12.8	12.3	12.3	12.8	12.3	12.8	12.8	12.3
167°	12.8	12.8	12.8	12.8	12.3	12.3	12.8	12.8	12.8	12.8	12.3
167.5°	12.8	12.8	12.8	12.8	12.3	12.3	12.8	12.8	12.8	12.8	12.3
168°	12.8	12.8	12.8	12.8	12.3	12.3	12.8	12.8	12.8	12.8	12.3
168.5°	12.8	12.8	12.8	12.8	12.3	12.3	12.8	12.8	12.8	12.8	12.3
169°	12.8	12.8	12.8	12.8	12.8	12.3	12.8	12.8	12.8	12.8	12.8
169.5°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
170°	12.8	12.8	12.8	13.4	12.8	12.8	12.8	12.8	12.8	13.4	12.8
170.5°	12.8	13.4	13.4	13.4	12.8	12.3	12.8	13.4	13.4	13.4	12.8
171°	12.8	13.4	13.4	13.4	12.8	12.3	12.8	13.4	13.4	13.4	12.8
171.5°	12.8	13.4	12.8	13.4	12.8	12.8	12.8	13.4	12.8	13.4	12.8
172°	12.8	13.4	12.8	13.4	12.8	13.4	12.8	13.4	12.8	13.4	12.8
172.5°	12.8	13.4	13.4	13.4	12.8	13.4	12.8	13.4	13.4	13.4	12.8
173°	12.8	13.4	13.4	13.4	12.8	13.4	12.8	13.4	13.4	13.4	12.8
173.5°	12.8	13.4	12.8	13.4	12.8	12.8	12.8	13.4	12.8	13.4	12.8
174°	12.8	13.4	13.4	13.4	13.4	12.8	12.8	13.4	13.4	13.4	13.4
174.5°	12.8	13.4	13.4	13.4	13.4	12.8	12.8	13.4	13.4	13.4	13.4
175°	12.8	12.8	13.4	13.4	13.4	13.4	12.8	12.8	13.4	13.4	13.4
175.5°	12.8	12.8	13.4	13.4	13.4	13.4	12.8	12.8	13.4	13.4	13.4
176°	12.8	13.4	13.4	13.4	13.4	13.4	12.8	13.4	13.4	13.4	13.4
176.5°	12.8	13.4	13.4	13.4	13.4	13.4	12.8	13.4	13.4	13.4	13.4
177°	12.8	13.4	13.4	13.4	13.4	13.4	12.8	13.4	13.4	13.4	13.4
177.5°	12.8	13.4	13.4	13.9	13.4	13.4	12.8	13.4	13.4	13.9	13.4
178°	12.8	13.4	13.4	14.5	13.4	13.4	12.8	13.4	13.4	14.5	13.4
178.5°	13.4	13.4	13.4	13.9	13.4	13.4	13.4	13.4	13.4	13.9	13.4
179°	13.4	13.4	13.4	13.9	13.4	13.4	13.4	13.4	13.4	13.9	13.4
179.5°	12.8	13.4	13.4	14.5	13.4	13.4	12.8	13.4	13.4	14.5	13.4

TEST NUMBER: P1594645
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	13.5	*13.5*	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5

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TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	21794.1	21794.1
0.5°	21794.1	21794.1
1°	*21779.7*	*21779.7*
1.5°	21779.7	21772.4
2°	21777.4	21786.9
2.5°	21768.5	21774.6
3°	21754.6	21754.6
3.5°	21754.6	21760.1
4°	21738.4	21760.7
4.5°	21738.4	21757.9
5°	21708.9	21737.3
5.5°	21679.3	21722.2
6°	21679.3	21712.8
6.5°	21649.2	21718.9
7°	21649.2	21708.3
7.5°	21606.3	21684.3
8°	21606.3	21655.9
8.5°	21569.5	21648.7
9°	21569.5	21630.8
9.5°	21505.4	21598.0
10°	21505.4	21580.7
10.5°	21454.2	21562.8
11°	21390.6	21556.2
11.5°	21390.6	21529.4
12°	21325.4	21497.1
12.5°	21325.4	21463.6
13°	21259.6	21455.8
13.5°	21259.6	21402.9
14°	21171.0	21359.4
14.5°	21171.0	21339.3
15°	21083.5	21314.8
15.5°	21029.5	21292.0
16°	20992.7	21251.3
16.5°	20894.0	21212.3
17°	20894.0	21172.7
17.5°	20798.7	21157.7
18°	20798.7	21077.9
18.5°	20683.9	21027.2
19°	20683.9	21001.6
19.5°	20576.3	20968.7
20°	20576.3	20931.4
20.5°	20440.9	20876.7
21°	20311.0	20832.2
21.5°	20311.0	20788.7
22°	20175.0	20759.7

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	20175.0	20714.0
23°	20017.3	20657.7
23.5°	20017.3	20565.7
24°	19864.6	20522.3
24.5°	19864.6	20469.9
25°	19683.4	20404.1
25.5°	19683.4	20355.1
26°	19510.1	20303.2
26.5°	19428.7	20260.3
27°	19320.1	20200.7
27.5°	19119.4	20134.9
28°	19119.4	20066.9
28.5°	18908.7	20026.8
29°	18908.7	19903.6
29.5°	18665.2	19903.6
30°	18665.2	19772.6
30.5°	18423.3	19710.2
31°	18265.0	19653.4
31.5°	18153.0	19501.2
32°	17872.1	19501.2
32.5°	17872.1	19425.4
33°	17553.8	19425.4
33.5°	17553.8	19212.5
34°	17211.0	19121.6
34.5°	17211.0	19058.1
35°	16852.7	18980.1
35.5°	16852.7	18900.9
36°	16437.4	18802.8
36.5°	16002.1	18717.0
37°	16002.1	18627.3
37.5°	15513.3	18555.4
38°	15513.3	18458.4
38.5°	15009.5	18358.6
39°	15009.5	18171.4
39.5°	14490.0	18068.2
40°	14490.0	17971.8
40.5°	13947.2	17845.9
41°	13947.2	17750.0
41.5°	13407.7	17631.8
42°	12889.3	17536.5
42.5°	12889.3	17405.0
43°	12379.4	17282.9
43.5°	12379.4	17037.7
44°	11892.2	17037.7
44.5°	11892.2	16764.0

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	11413.5	16600.2
45.5°	11413.5	16476.4
46°	10964.2	16315.4
46.5°	10793.1	16181.6
47°	10515.6	15998.8
47.5°	10089.7	15842.7
48°	10089.7	15652.7
48.5°	9712.4	15510.0
49°	9712.4	15138.2
49.5°	9377.4	14924.2
50°	9377.4	14755.3
50.5°	9065.3	14541.3
51°	9065.3	14350.7
51.5°	8747.1	14117.7
52°	8451.1	13918.8
52.5°	8451.1	13685.8
53°	8186.4	13487.9
53.5°	8186.4	13244.9
54°	7972.4	13016.4
54.5°	7972.4	12546.0
55°	7779.0	12297.4
55.5°	7779.0	12058.3
56°	7531.5	11798.6
56.5°	7405.5	11555.6
57°	7270.1	11302.0
57.5°	7004.8	11061.2
58°	7004.8	10802.0
58.5°	6801.9	10541.8
59°	6801.9	10035.7
59.5°	6559.5	9783.8
60°	6559.5	9519.0
60.5°	6285.3	9265.4
61°	6285.3	9011.3
61.5°	6069.0	8771.0
62°	5847.2	8513.6
62.5°	5847.2	8273.9
63°	5554.6	8012.5
63.5°	5554.6	7779.5
64°	5274.2	7534.8
64.5°	5274.2	7053.3
65°	4979.9	6824.8
65.5°	4979.9	6587.9
66°	4701.8	6369.4
66.5°	4701.8	6133.7
67°	4403.1	5914.6

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	4067.0	5681.1
68°	4067.0	5470.4
68.5°	3687.4	5244.1
69°	3687.4	5037.3
69.5°	3345.2	4804.9
70°	3345.2	4380.8
70.5°	3062.1	4185.7
71°	3062.1	3966.1
71.5°	2765.0	3777.7
72°	2474.6	3569.8
72.5°	2474.6	3393.2
73°	2358.2	3191.4
73.5°	2075.6	3019.2
74°	1963.6	2819.6
74.5°	1773.5	2475.2
75°	1657.6	2325.8
75.5°	1472.5	2145.2
76°	1378.9	2005.4
76.5°	1213.4	1834.2
77°	1152.0	1709.4
77.5°	965.3	1549.4
78°	841.0	1436.3
78.5°	811.5	1285.3
79°	688.9	1188.8
79.5°	667.7	1048.9
80°	551.8	840.5
80.5°	418.0	774.2
81°	418.0	660.5
81.5°	401.9	608.1
82°	308.2	506.6
82.5°	293.7	465.4
83°	217.9	380.1
83.5°	172.8	350.0
84°	163.3	280.3
84.5°	132.6	258.6
85°	124.3	201.8
85.5°	102.6	142.1
86°	99.8	130.4
86.5°	77.5	97.5
87°	73.6	83.0
87.5°	55.7	59.6
88°	40.7	50.2
88.5°	40.7	33.4
89°	29.5	33.4
89.5°	29.5	21.2

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	17.3	10.0
90.5°	17.3	10.0
91°	8.4	2.2
91.5°	8.4	2.2
92°	5.6	0.6
92.5°	5.6	0.6
93°	1.1	0.6
93.5°	0.6	0.6
94°	0.6	0.6
94.5°	0.6	0.6
95°	0.6	0.6
95.5°	0.6	0.6
96°	0.6	0.6
96.5°	0.6	0.6
97°	0.6	0.6
97.5°	0.6	0.6
98°	0.6	0.6
98.5°	0.6	0.6
99°	0.6	0.6
99.5°	0.6	1.1
100°	0.6	1.1
100.5°	0.6	1.1
101°	0.6	1.1
101.5°	0.6	1.1
102°	0.6	1.1
102.5°	0.6	1.1
103°	0.6	1.1
103.5°	0.6	1.1
104°	0.6	1.1
104.5°	0.6	1.1
105°	0.6	1.7
105.5°	0.6	1.7
106°	1.1	1.7
106.5°	1.1	1.7
107°	1.1	1.7
107.5°	1.1	1.7
108°	1.1	2.2
108.5°	1.7	2.2
109°	1.7	2.2
109.5°	1.7	2.8
110°	1.7	2.8
110.5°	1.7	2.8
111°	1.7	2.8
111.5°	1.7	2.8
112°	1.7	2.8

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

Scaled Data Report

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
112.5°	2.2	2.8
113°	2.2	2.8
113.5°	2.2	2.8
114°	2.2	3.3
114.5°	2.2	3.3
115°	2.2	3.9
115.5°	2.2	3.9
116°	2.8	3.9
116.5°	2.8	3.9
117°	3.3	3.9
117.5°	3.3	3.9
118°	3.3	4.5
118.5°	3.3	4.5
119°	3.3	4.5
119.5°	3.3	5.0
120°	3.3	5.0
120.5°	3.3	5.0
121°	3.3	5.0
121.5°	3.9	5.6
122°	3.9	5.6
122.5°	4.5	5.0
123°	4.5	5.0
123.5°	4.5	5.6
124°	4.5	5.6
124.5°	4.5	5.6
125°	4.5	6.1
125.5°	4.5	6.1
126°	5.6	6.1
126.5°	5.6	6.1
127°	5.6	6.1
127.5°	5.6	6.1
128°	5.6	6.7
128.5°	5.6	6.7
129°	5.6	6.7
129.5°	6.1	7.2
130°	6.1	7.2
130.5°	6.1	7.2
131°	6.1	7.2
131.5°	6.7	7.2
132°	6.7	7.2
132.5°	6.7	7.8
133°	6.7	7.8
133.5°	6.7	7.8
134°	6.7	7.8
134.5°	6.7	7.8

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	7.2	7.8
135.5°	7.2	8.4
136°	7.2	8.4
136.5°	7.2	8.4
137°	7.8	8.4
137.5°	7.8	8.4
138°	7.8	8.4
138.5°	7.8	8.4
139°	7.8	8.9
139.5°	8.4	8.9
140°	8.4	8.9
140.5°	8.4	8.9
141°	8.4	8.9
141.5°	8.4	9.5
142°	8.4	9.5
142.5°	8.9	9.5
143°	8.9	9.5
143.5°	8.9	9.5
144°	8.9	9.5
144.5°	8.9	10.0
145°	9.5	10.0
145.5°	9.5	10.0
146°	9.5	10.6
146.5°	9.5	10.0
147°	9.5	10.0
147.5°	9.5	10.6
148°	9.5	10.6
148.5°	9.5	10.6
149°	10.0	10.6
149.5°	10.0	10.6
150°	10.6	10.6
150.5°	10.6	10.6
151°	10.6	11.1
151.5°	10.6	11.1
152°	10.6	11.1
152.5°	10.6	11.1
153°	10.6	11.7
153.5°	10.6	11.7
154°	10.6	11.7
154.5°	11.1	11.7
155°	11.1	11.7
155.5°	11.1	11.7
156°	11.1	11.7
156.5°	11.1	11.7
157°	11.1	11.7

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
157.5°	11.1	11.7
158°	11.1	11.7
158.5°	11.1	11.7
159°	11.1	11.7
159.5°	11.7	11.7
160°	11.7	11.7
160.5°	12.3	11.7
161°	12.3	11.7
161.5°	12.3	11.7
162°	12.3	11.7
162.5°	12.3	11.7
163°	12.3	12.3
163.5°	12.3	12.3
164°	12.3	12.3
164.5°	12.3	12.3
165°	12.3	12.3
165.5°	12.3	12.8
166°	12.3	12.8
166.5°	12.3	12.8
167°	12.3	12.8
167.5°	12.3	12.8
168°	12.3	12.8
168.5°	12.3	12.8
169°	12.3	12.8
169.5°	12.8	12.8
170°	12.8	12.8
170.5°	12.3	12.8
171°	12.3	12.8
171.5°	12.8	12.8
172°	13.4	12.8
172.5°	13.4	12.8
173°	13.4	12.8
173.5°	12.8	12.8
174°	12.8	12.8
174.5°	12.8	12.8
175°	13.4	12.8
175.5°	13.4	12.8
176°	13.4	12.8
176.5°	13.4	12.8
177°	13.4	12.8
177.5°	13.4	12.8
178°	13.4	12.8
178.5°	13.4	13.4
179°	13.4	13.4
179.5°	13.4	12.8

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	13.5	13.5

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

Scaled Data Report

TEST NUMBER: P1594645
CATALOG NUMBER: FLXB-4860-M-LOW-4000K

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	27.7	29.2	28.0	29.5	29.8	25.5	27.1	25.9	27.4	27.7
	3H	29.1	30.4	29.5	30.8	31.1	26.0	27.3	26.3	27.6	28.0
	4H	29.4	30.7	29.8	31.0	31.4	25.9	27.2	26.3	27.6	27.9
	6H	29.5	30.7	29.9	31.1	31.4	25.9	27.1	26.3	27.4	27.8
	8H	29.5	30.6	29.9	31.0	31.4	25.9	27.0	26.3	27.4	27.8
	12H	29.5	30.6	29.9	30.9	31.4	25.8	26.9	26.3	27.3	27.7
4H	2H	27.9	29.1	28.3	29.5	29.9	26.1	27.3	26.5	27.7	28.1
	3H	29.5	30.5	29.9	30.9	31.3	26.5	27.6	26.9	28.0	28.4
	4H	29.8	30.8	30.3	31.2	31.6	26.5	27.5	27.0	27.9	28.3
	6H	30.0	30.8	30.4	31.2	31.7	26.5	27.3	27.0	27.7	28.2
	8H	30.0	30.7	30.4	31.2	31.6	26.5	27.2	26.9	27.7	28.1
	12H	29.9	30.6	30.4	31.1	31.6	26.4	27.1	26.9	27.6	28.1
8H	4H	29.8	30.5	30.2	31.0	31.4	26.6	27.4	27.1	27.8	28.3
	6H	29.9	30.5	30.4	31.0	31.5	26.6	27.2	27.1	27.7	28.2
	8H	29.9	30.5	30.4	31.0	31.5	26.6	27.1	27.1	27.6	28.1
	12H	29.9	30.4	30.4	30.9	31.5	26.5	27.0	27.0	27.5	28.1
12H	4H	29.7	30.4	30.2	30.9	31.4	26.6	27.3	27.1	27.8	28.2
	6H	29.9	30.4	30.4	30.9	31.4	26.6	27.1	27.1	27.6	28.1
	8H	29.9	30.4	30.4	30.9	31.4	26.6	27.0	27.1	27.5	28.1

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: SP3-2602-684-3

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-4000K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

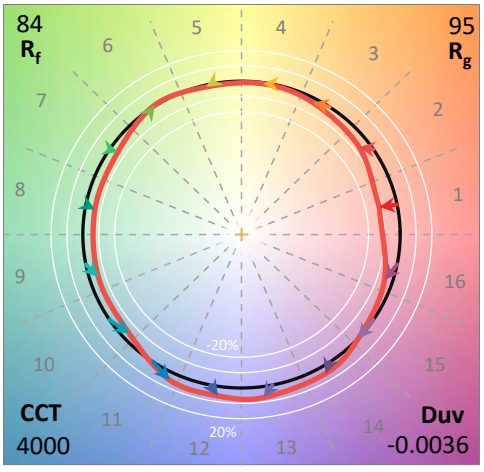
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-3
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-4000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 4000K CCT settings

Spectral Parameters

CCT (K):	4000
CIE u':	0.2271
CIE v':	0.4972
Duv:	-0.0036
CIE x:	0.3780
CIE y:	0.3677
CIE z:	0.2543
Peak Wavelength (nm):	454
Dominant Wavelength (nm):	581
Purity:	23.78071
Rf:	83.8
Rg:	95.3

CRI (Ra):	84.8
R1:	84.5
R2:	92.5
R3:	95.4
R4:	82.5
R5:	84.0
R6:	87.9
R7:	85.2
R8:	66.3
R9:	16.8
R10:	80.6
R11:	81.5
R12:	62.9
R13:	87.1
R14:	98.1
R15:	79.5



Test Conditions

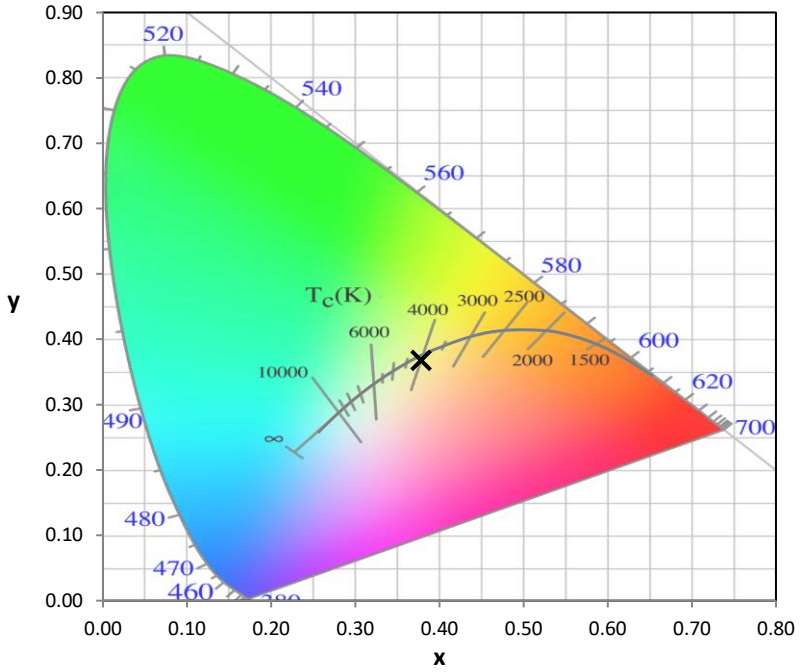
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-3

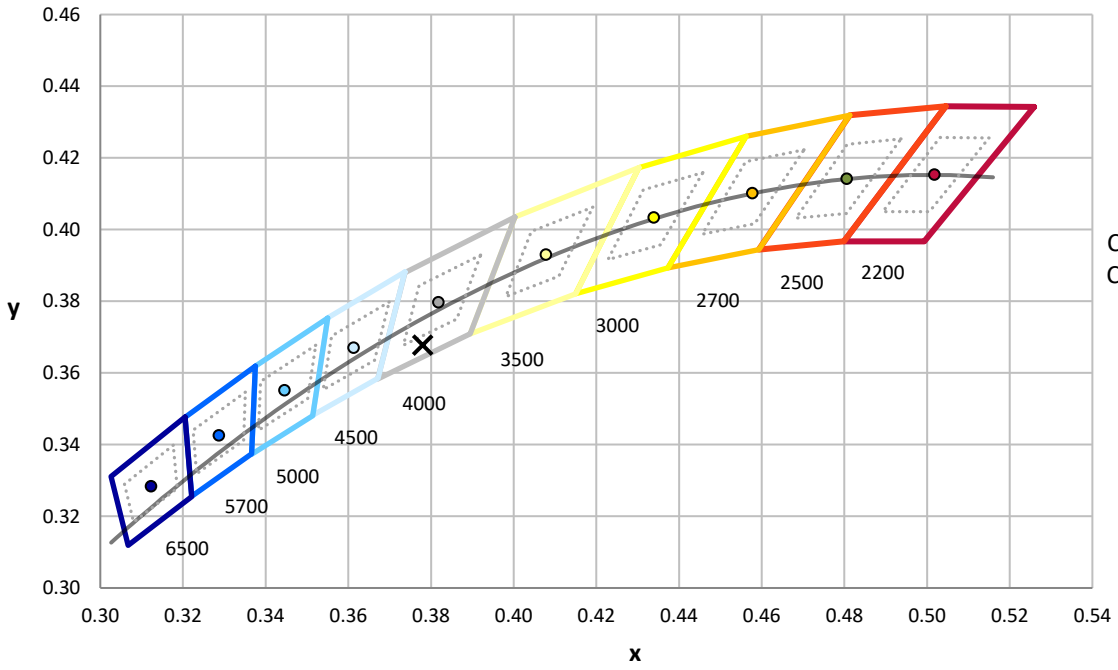
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-3

CIE 1931 Chromaticity Diagram



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

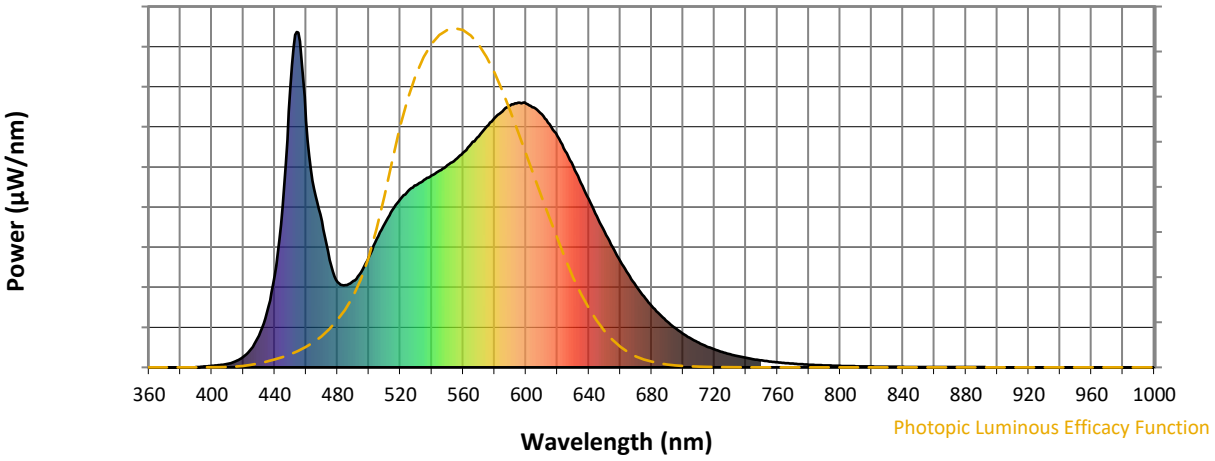


CCT = 4000K
CIE x = 0.3780
CIE y = 0.3677
Duv = -0.0036

Point lies inside the ANSI 4000K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-3

Photopic Flux vs. Wavelength

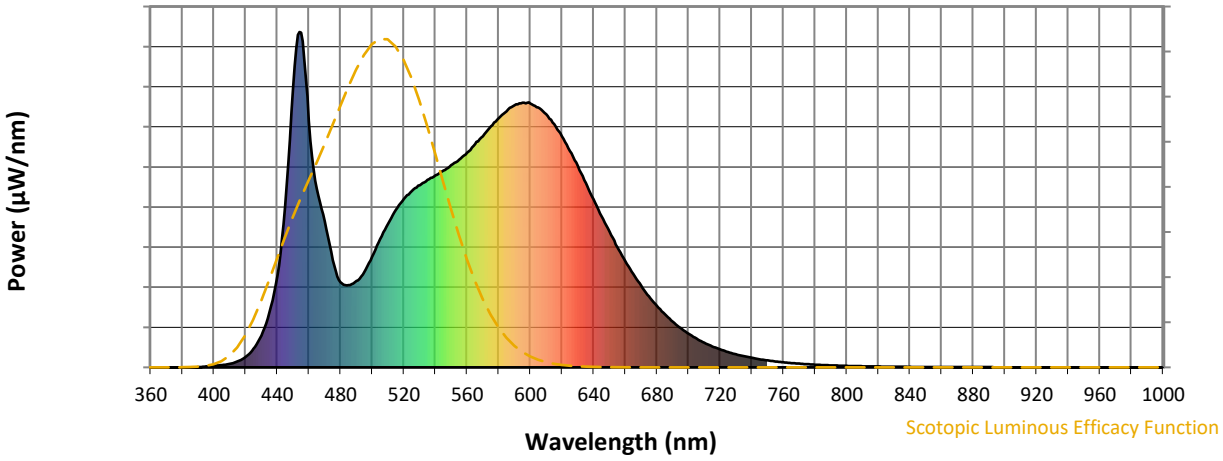


Photopic Lumens: NR

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	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-3

Scotopic Flux vs. Wavelength

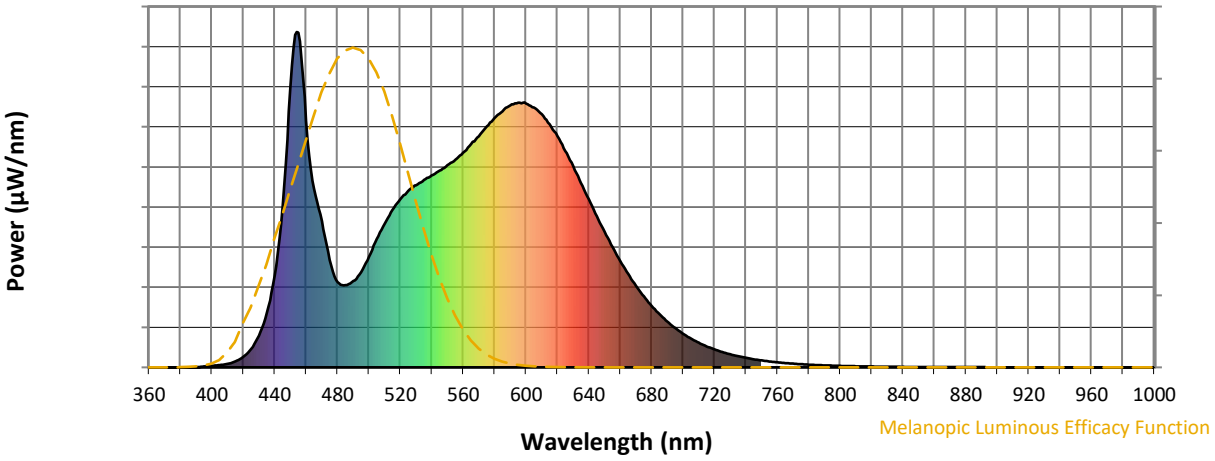


Scotopic Lumens: NR **S/P: 1.73**

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	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.62**

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	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

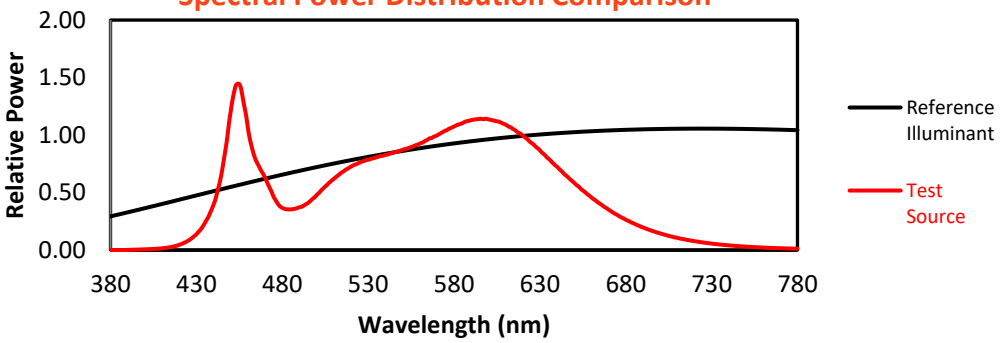
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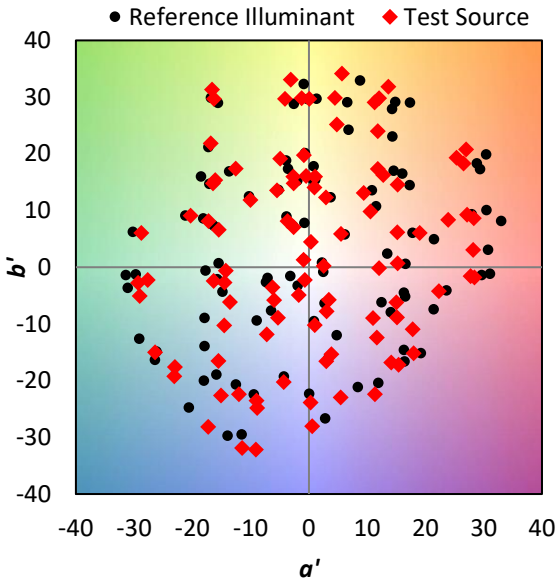
Summary

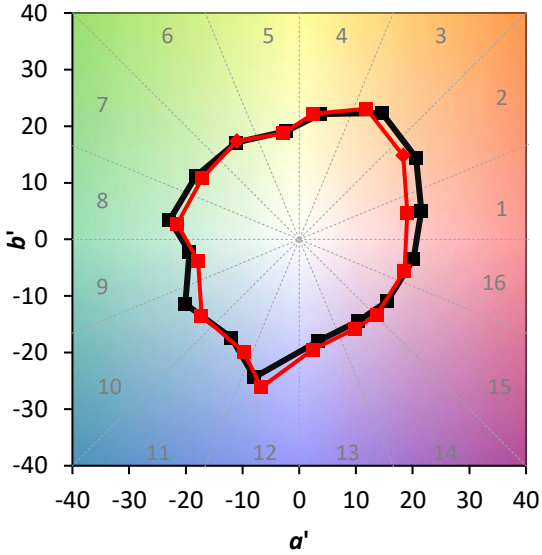
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R_g = 95.3
CIE R_a = 84.8
R_9 = 16.8

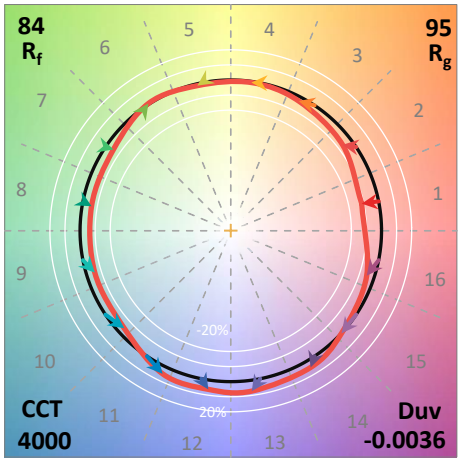
Spectral Power Distribution Comparison

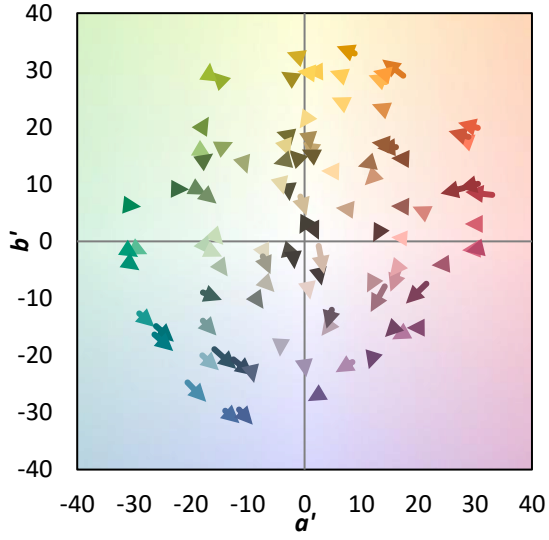


Color Vector Graphics







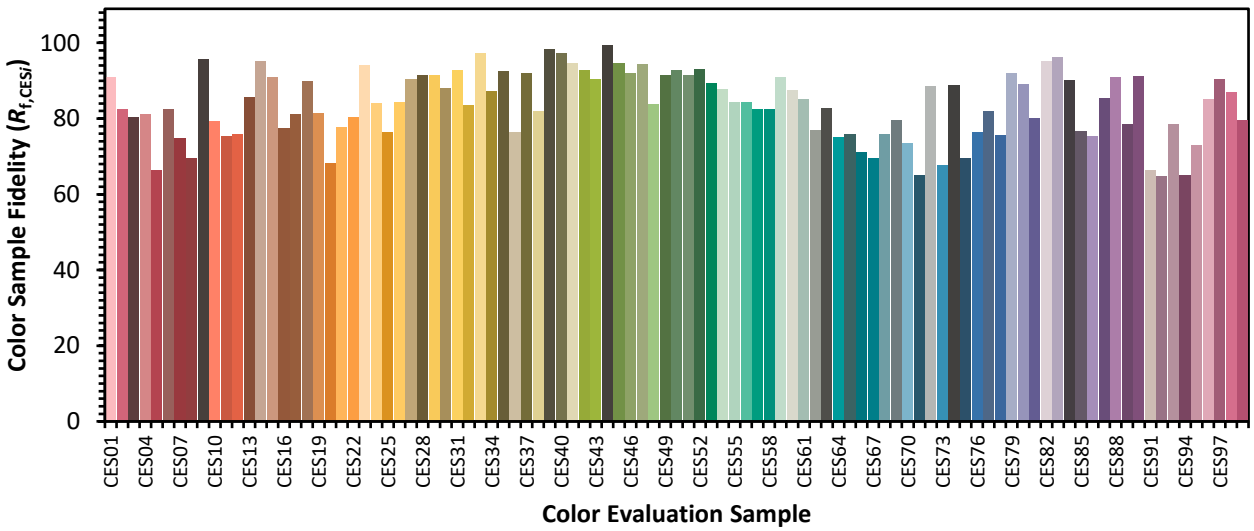


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Individual Sample Fidelity Index ($R_{f,i}$)

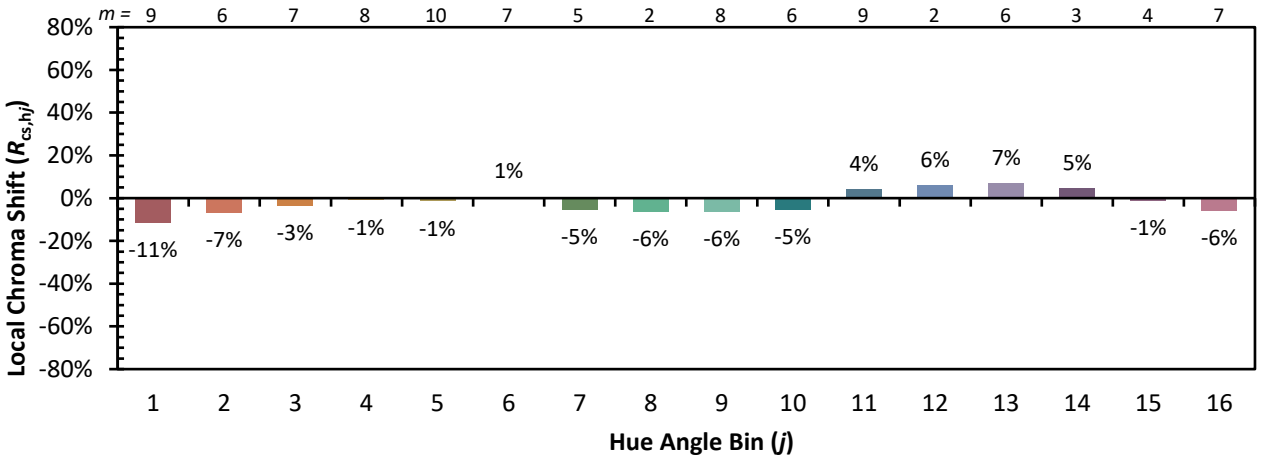
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CES02 = 61	CES27 = 90	CES52 = 93	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 89	CES78 = 76
CES04 = 70	CES29 = 91	CES54 = 88	CES79 = 92
CES05 = 48	CES30 = 88	CES55 = 84	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 84	CES81 = 80
CES07 = 41	CES32 = 84	CES57 = 82	CES82 = 95
CES08 = 40	CES33 = 97	CES58 = 82	CES83 = 96
CES09 = 29	CES34 = 87	CES59 = 91	CES84 = 90
CES10 = 74	CES35 = 93	CES60 = 88	CES85 = 77
CES11 = 57	CES36 = 76	CES61 = 85	CES86 = 75
CES12 = 63	CES37 = 92	CES62 = 77	CES87 = 85
CES13 = 43	CES38 = 82	CES63 = 83	CES88 = 91
CES14 = 74	CES39 = 98	CES64 = 75	CES89 = 79
CES15 = 71	CES40 = 97	CES65 = 76	CES90 = 91
CES16 = 47	CES41 = 95	CES66 = 71	CES91 = 66
CES17 = 49	CES42 = 93	CES67 = 70	CES92 = 65
CES18 = 56	CES43 = 90	CES68 = 76	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 65
CES20 = 65	CES45 = 95	CES70 = 73	CES95 = 73
CES21 = 86	CES46 = 92	CES71 = 65	CES96 = 85
CES22 = 78	CES47 = 94	CES72 = 88	CES97 = 90
CES23 = 91	CES48 = 84	CES73 = 68	CES98 = 87
CES24 = 90	CES49 = 91	CES74 = 89	CES99 = 80
CES25 = 71	CES50 = 93	CES75 = 70	

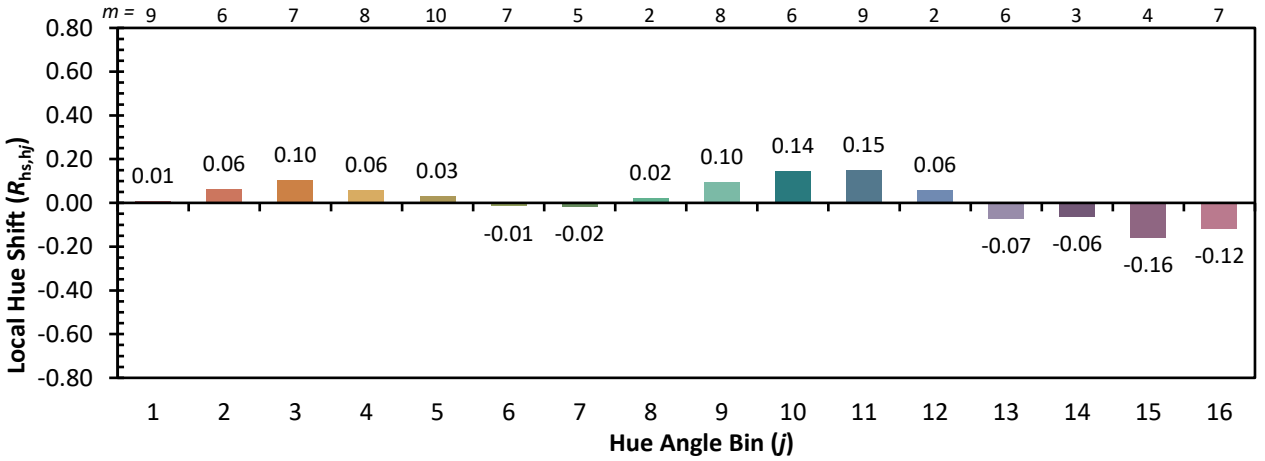


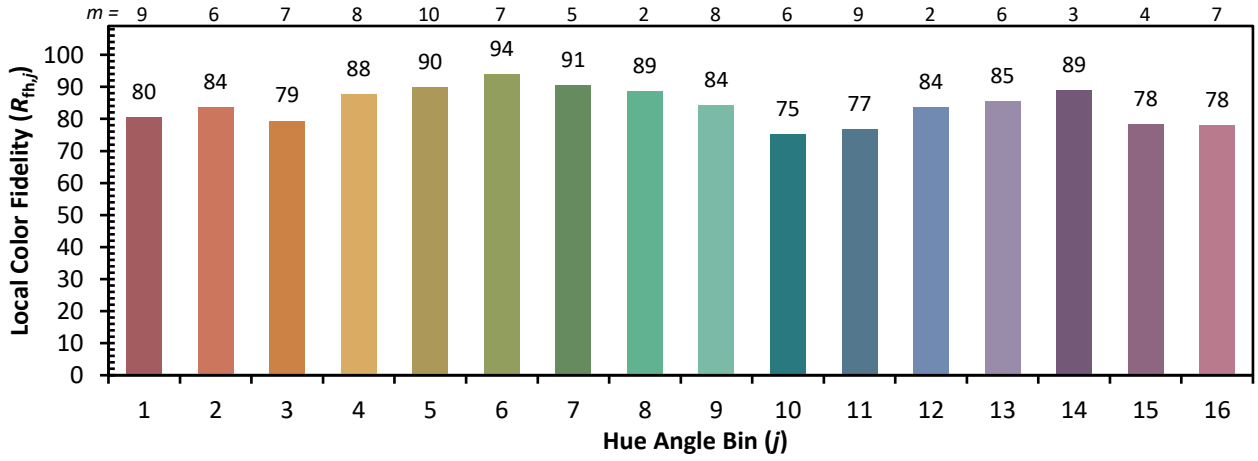
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Color Rendition by Hue-Angle Bin



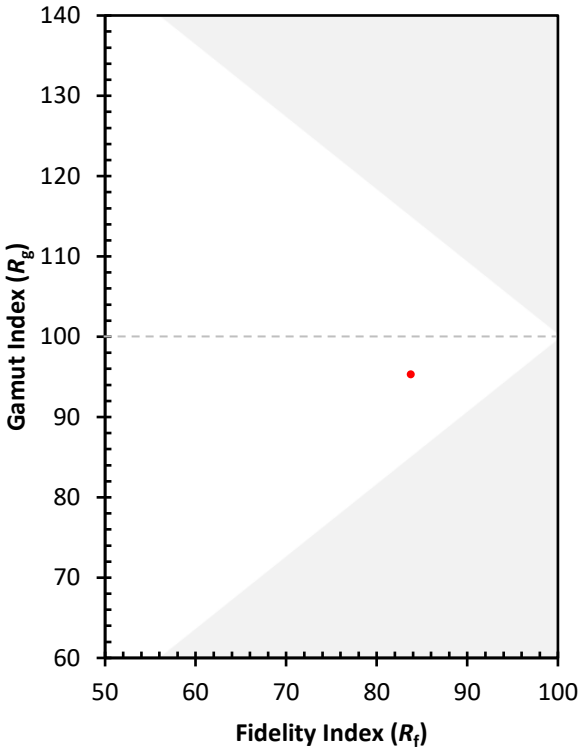


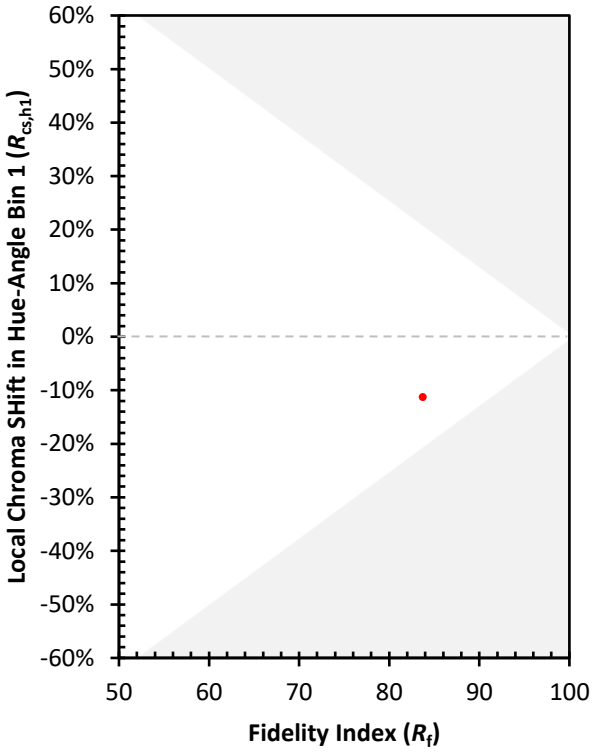


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Measure Comparisons





(END OF REPORT)