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: P1594677

Luminaire Tested: FLXB-4860-W-LOW-5700K

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:	P1594677
	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-5700K
Description:	4860 FlexBay Linear High bay at W beam, LOW lumen, 5700K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	48276.0 lumens
Efficiency:	N/A
Efficacy:	158.5 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

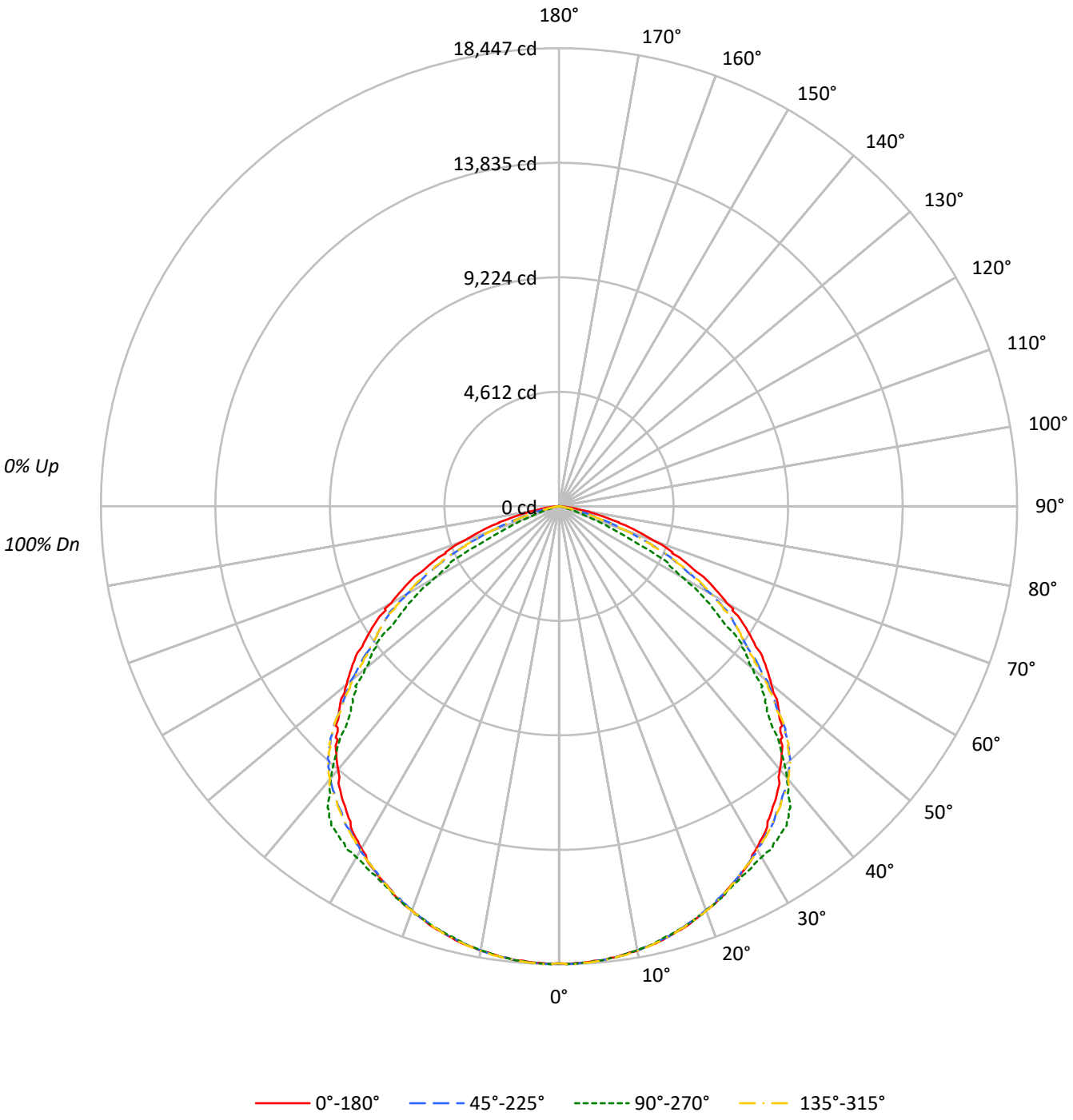
Input Watts (W):	304.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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°	89529	89529	89529	89529
5°	89640	89651	89640	89651
10°	89711	89673	89711	89673
15°	89724	89537	89724	89537
20°	89600	89598	89600	89598
25°	89609	89925	89609	89925
30°	89328	91606	89328	91606
35°	88759	93932	88759	93932
40°	87794	90690	87794	90690
45°	86685	82042	86685	82042
50°	84491	77075	84491	77075
55°	81311	68181	81311	68181
60°	75950	56483	75950	56483
65°	68531	38103	68531	38103
70°	58230	18015	58230	18015
75°	47046	7423	47046	7423
80°	31046	4156	31046	4156
85°	19750	3599	19750	3599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
Vertical Angle: 45.5°
Luminance: 90111 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1747.2	3.6
10°-20°	5029.1	10.4
20°-30°	7710.5	16.0
30°-40°	9547.2	19.8
40°-50°	9751.6	20.2
50°-60°	7957.7	16.5
60°-70°	4876.9	10.1
70°-80°	1466.1	3.0
80°-90°	161.4	0.3
90°-100°	2.2	0.0
100°-110°	0.9	0.0
110°-120°	2.6	0.0
120°-130°	4.2	0.0
130°-140°	5.1	0.0
140°-150°	5.1	0.0
150°-160°	4.3	0.0
160°-170°	2.9	0.0
170°-180°	1.0	0.0
0°-30°	14486.8	30.0
0°-40°	24034.0	49.8
0°-60°	41743.3	86.5
0°-90°	48247.6	99.9
90°-120°	5.7	0.0
90°-150°	20.1	0.0
90°-180°	28.0	0.1
0°-180°	48276.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	18412	18412	18412	18412	18412	
5°	18364	18367	18364	18367	18364	1746
15°	17823	17786	17823	17786	17823	5033
25°	16702	16761	16702	16761	16702	7702
35°	14952	15824	14952	15824	14952	9359
45°	12606	11930	12606	11930	12606	9731
55°	9591	8042	9591	8042	9591	8585
65°	5956	3312	5956	3312	5956	5946
75°	2504	395	2504	395	2504	2614
85°	354	64	354	64	354	411
90°	43	12	43	12	43	29
95°	1	0	1	0	1	1
105°	1	1	1	1	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°	11	11	11	11	11	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°	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7
0.5°	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7	18411.7
1°	18431.1	18432.8	18441.1	18445.0	18441.7	18452.3	18431.1	18432.8	18441.1	18445.0	18441.7
1.5°	18424.5	18422.8	18441.1	18425.0	18436.7	18441.1	18424.5	18422.8	18441.1	18425.0	18436.7
2°	18405.0	18422.8	18410.6	18426.7	18436.7	18456.1	18405.0	18422.8	18410.6	18426.7	18436.7
2.5°	18400.6	18416.1	18410.6	18428.4	18426.7	18456.1	18400.6	18416.1	18410.6	18428.4	18426.7
3°	18406.7	18416.1	18420.6	18400.6	18426.7	18416.7	18406.7	18416.1	18420.6	18400.6	18426.7
3.5°	18393.9	18397.2	18420.6	18408.9	18411.7	18419.5	18393.9	18397.2	18420.6	18408.9	18411.7
4°	18382.2	18392.8	18383.9	18392.2	18411.7	18421.1	18382.2	18392.8	18383.9	18392.2	18411.7
4.5°	18353.3	18373.3	18383.9	18373.3	18387.8	18401.1	18353.3	18373.3	18383.9	18373.3	18387.8
5°	18364.4	18367.2	18368.9	18366.7	18387.8	18391.7	18364.4	18367.2	18368.9	18366.7	18387.8
5.5°	18356.7	18356.1	18360.0	18367.2	18361.7	18376.7	18356.7	18356.1	18360.0	18367.2	18361.7
6°	18340.0	18345.6	18345.6	18337.2	18332.8	18360.0	18340.0	18345.6	18345.6	18337.2	18332.8
6.5°	18304.4	18323.9	18298.9	18322.2	18332.8	18347.8	18304.4	18323.9	18298.9	18322.2	18332.8
7°	18307.2	18291.7	18298.9	18312.2	18297.8	18345.6	18307.2	18291.7	18298.9	18312.2	18297.8
7.5°	18286.7	18291.7	18281.6	18295.5	18297.8	18286.1	18286.7	18291.7	18281.6	18295.5	18297.8
8°	18247.8	18255.0	18281.6	18252.8	18260.5	18286.1	18247.8	18255.0	18281.6	18252.8	18260.5
8.5°	18231.1	18255.0	18219.4	18227.7	18260.5	18271.6	18231.1	18255.0	18219.4	18227.7	18260.5
9°	18192.2	18215.5	18219.4	18196.1	18215.0	18236.6	18192.2	18215.5	18219.4	18196.1	18215.0
9.5°	18190.0	18196.6	18189.4	18168.8	18215.0	18209.4	18190.0	18196.6	18189.4	18168.8	18215.0
10°	18168.8	18165.5	18162.7	18161.1	18161.6	18188.8	18168.8	18165.5	18162.7	18161.1	18161.6
10.5°	18140.5	18144.4	18130.5	18119.4	18107.7	18166.1	18140.5	18144.4	18130.5	18119.4	18107.7
11°	18091.0	18112.2	18063.8	18087.1	18107.7	18137.2	18091.0	18112.2	18063.8	18087.1	18107.7
11.5°	18083.3	18089.9	18063.8	18067.1	18044.9	18117.7	18083.3	18089.9	18063.8	18067.1	18044.9
12°	18056.0	18053.8	18013.2	18043.2	18044.9	18077.1	18056.0	18053.8	18013.2	18043.2	18044.9
12.5°	18031.0	17989.9	18013.2	17994.3	17980.4	18034.9	18031.0	17989.9	18013.2	17994.3	17980.4
13°	17983.8	17989.9	17922.6	17939.3	17980.4	17996.0	17983.8	17989.9	17922.6	17939.3	17980.4
13.5°	17961.5	17922.1	17922.6	17895.4	17907.1	17996.0	17961.5	17922.1	17922.6	17895.4	17907.1
14°	17897.6	17922.1	17870.4	17853.7	17907.1	17900.4	17897.6	17922.1	17870.4	17853.7	17907.1
14.5°	17861.0	17847.6	17870.4	17831.5	17834.8	17869.9	17861.0	17847.6	17870.4	17831.5	17834.8
15°	17823.2	17813.7	17781.5	17785.9	17834.8	17838.7	17823.2	17813.7	17781.5	17785.9	17834.8
15.5°	17763.2	17771.5	17732.0	17739.3	17755.9	17793.2	17763.2	17771.5	17732.0	17739.3	17755.9
16°	17744.3	17734.3	17703.7	17708.7	17674.8	17756.5	17744.3	17734.3	17703.7	17708.7	17674.8
16.5°	17706.5	17684.8	17630.9	17679.2	17674.8	17705.9	17706.5	17684.8	17630.9	17679.2	17674.8
17°	17665.9	17595.3	17630.9	17621.5	17593.7	17654.8	17665.9	17595.3	17630.9	17621.5	17593.7
17.5°	17604.8	17595.3	17522.5	17584.2	17593.7	17585.9	17604.8	17595.3	17522.5	17584.2	17593.7
18°	17522.0	17506.4	17522.5	17551.4	17504.2	17585.9	17522.0	17506.4	17522.5	17551.4	17504.2
18.5°	17487.5	17506.4	17453.6	17452.0	17462.0	17463.6	17487.5	17506.4	17453.6	17452.0	17462.0
19°	17434.7	17407.5	17453.6	17421.9	17412.5	17423.6	17434.7	17407.5	17453.6	17421.9	17412.5
19.5°	17386.4	17365.3	17345.3	17421.9	17412.5	17385.3	17386.4	17365.3	17345.3	17421.9	17412.5
20°	17315.2	17306.4	17290.8	17314.7	17310.8	17325.3	17315.2	17306.4	17290.8	17314.7	17310.8
20.5°	17284.7	17255.8	17256.3	17269.7	17310.8	17270.2	17284.7	17255.8	17256.3	17269.7	17310.8
21°	17234.1	17199.1	17157.4	17235.8	17211.3	17214.7	17234.1	17199.1	17157.4	17235.8	17211.3
21.5°	17178.5	17148.5	17157.4	17174.6	17108.5	17156.3	17178.5	17148.5	17157.4	17174.6	17108.5
22°	17101.8	17083.0	17040.2	17120.7	17108.5	17103.0	17101.8	17083.0	17040.2	17120.7	17108.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	17064.1	16971.8	17040.2	17082.4	16999.0	*17057.4*	17064.1	16971.8	17040.2	17082.4	16999.0
23°	17002.9	16971.8	16944.0	17028.5	16999.0	*16912.9*	17002.9	16971.8	16944.0	17028.5	16999.0
23.5°	16881.8	16855.1	16944.0	16921.2	16890.1	*16912.9*	16881.8	16855.1	16944.0	16921.2	16890.1
24°	16827.3	16855.1	16809.5	16877.3	16890.1	*16814.5*	16827.3	16855.1	16809.5	16877.3	16890.1
24.5°	16746.2	16730.1	16809.5	16812.3	16770.1	*16739.5*	16746.2	16730.1	16809.5	16812.3	16770.1
25°	16701.7	16667.3	16707.3	16760.6	16770.1	*16668.4*	16701.7	16667.3	16707.3	16760.6	16770.1
25.5°	16637.3	16595.6	16646.2	16717.8	16653.4	*16607.3*	16637.3	16595.6	16646.2	16717.8	16653.4
26°	16570.0	16528.9	16577.8	16661.2	16530.0	*16543.9*	16570.0	16528.9	16577.8	16661.2	16530.0
26.5°	16481.7	16459.4	16455.0	16599.5	16530.0	*16472.2*	16481.7	16459.4	16455.0	16599.5	16530.0
27°	16431.1	16395.0	16455.0	16583.4	16407.7	*16411.6*	16431.1	16395.0	16455.0	16583.4	16407.7
27.5°	16361.6	16323.3	16347.2	16532.2	16407.7	*16250.5*	16361.6	16323.3	16347.2	16532.2	16407.7
28°	16294.4	16178.8	16347.2	16497.2	16298.3	*16250.5*	16294.4	16178.8	16347.2	16497.2	16298.3
28.5°	16206.0	16178.8	16199.3	16427.8	16298.3	*16126.6*	16206.0	16178.8	16199.3	16427.8	16298.3
29°	16053.2	16033.2	16199.3	16380.0	16183.8	*16126.6*	16053.2	16033.2	16199.3	16380.0	16183.8
29.5°	15991.0	16033.2	16103.2	16345.5	16183.8	*15954.8*	15991.0	16033.2	16103.2	16345.5	16183.8
30°	15909.3	15877.6	16103.2	16314.9	16074.3	*15816.5*	15909.3	15877.6	16103.2	16314.9	16074.3
30.5°	15830.4	15801.5	15970.4	16287.2	16074.3	*15816.5*	15830.4	15801.5	15970.4	16287.2	16074.3
31°	15727.5	15724.2	15970.4	16242.1	15962.6	*15732.0*	15727.5	15724.2	15970.4	16242.1	15962.6
31.5°	15664.2	15644.2	15859.8	16245.5	15850.4	*15657.0*	15664.2	15644.2	15859.8	16245.5	15850.4
32°	15581.9	15563.6	15760.3	16217.7	15850.4	*15570.8*	15581.9	15563.6	15760.3	16217.7	15850.4
32.5°	15496.9	15393.0	15760.3	16086.5	15757.6	*15484.1*	15496.9	15393.0	15760.3	16086.5	15757.6
33°	15392.4	15393.0	15644.7	16086.5	15757.6	*15335.8*	15392.4	15393.0	15644.7	16086.5	15757.6
33.5°	15221.3	15311.9	15644.7	16005.4	15637.5	*15335.8*	15221.3	15311.9	15644.7	16005.4	15637.5
34°	15141.8	15231.8	15573.6	15936.5	15637.5	*15142.9*	15141.8	15231.8	15573.6	15936.5	15637.5
34.5°	15044.0	15052.3	15573.6	15884.8	15510.3	*15064.0*	15044.0	15052.3	15573.6	15884.8	15510.3
35°	14952.3	14970.1	15433.6	15823.7	15510.3	*14988.4*	14952.3	14970.1	15433.6	15823.7	15510.3
35.5°	14838.9	14880.1	15320.8	15789.8	15393.0	*14893.4*	14838.9	14880.1	15320.8	15789.8	15393.0
36°	14760.6	14791.1	15280.7	15623.6	15337.4	*14803.9*	14760.6	14791.1	15280.7	15623.6	15337.4
36.5°	14666.7	14708.3	15217.4	15563.0	15269.1	*14718.3*	14666.7	14708.3	15217.4	15563.0	15269.1
37°	14567.2	14617.8	15131.8	15359.7	15110.1	*14630.0*	14567.2	14617.8	15131.8	15359.7	15110.1
37.5°	14448.8	14534.4	14989.5	15306.3	15110.1	*14547.7*	14448.8	14534.4	14989.5	15306.3	15110.1
38°	14363.8	14360.5	14989.5	15100.1	15040.7	*14471.6*	14363.8	14360.5	14989.5	15100.1	15040.7
38.5°	14259.9	14360.5	14878.4	14788.4	15040.7	*14247.6*	14259.9	14360.5	14878.4	14788.4	15040.7
39°	14050.4	14168.7	14878.4	14686.1	14904.0	*14247.6*	14050.4	14168.7	14878.4	14686.1	14904.0
39.5°	13950.9	14168.7	14705.6	14472.7	14904.0	*14176.0*	13950.9	14168.7	14705.6	14472.7	14904.0
40°	13830.9	13983.1	14705.6	14287.1	14617.2	*14087.6*	13830.9	13983.1	14705.6	14287.1	14617.2
40.5°	13738.6	13888.6	14567.7	14082.6	14617.2	*13894.2*	13738.6	13888.6	14567.7	14082.6	14617.2
41°	13630.2	13784.2	14399.4	13862.0	14387.7	*13894.2*	13630.2	13784.2	14399.4	13862.0	14387.7
41.5°	13521.9	13694.2	14338.8	13657.5	14129.8	*13716.4*	13521.9	13694.2	14338.8	13657.5	14129.8
42°	13392.9	13580.2	14078.7	13395.2	14129.8	*13716.4*	13392.9	13580.2	14078.7	13395.2	14129.8
42.5°	13297.9	13492.4	14078.7	13214.0	13799.2	*13520.2*	13297.9	13492.4	14078.7	13214.0	13799.2
43°	13185.1	13370.7	13775.8	12994.5	13799.2	*13407.9*	13185.1	13370.7	13775.8	12994.5	13799.2
43.5°	12947.8	13135.1	13775.8	12788.3	13433.5	*13292.9*	12947.8	13135.1	13775.8	12788.3	13433.5
44°	12947.8	13135.1	13365.2	12365.4	13433.5	*13196.2*	12947.8	13135.1	13365.2	12365.4	13433.5
44.5°	12711.1	12872.8	13365.2	12144.2	13055.1	*13055.1*	12711.1	12872.8	13365.2	12144.2	13055.1

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	12605.5	12773.9	12988.9	11930.3	13055.1	*12749.4*	12605.5	12773.9	12988.9	11930.3	13055.1
45.5°	12605.5	12592.1	12988.9	11736.9	12665.5	*12749.4*	12605.5	12592.1	12988.9	11736.9	12665.5
46°	12359.9	12479.9	12554.9	11642.4	12665.5	*12433.8*	12359.9	12479.9	12554.9	11642.4	12665.5
46.5°	12220.4	12285.4	12342.1	11435.7	12204.3	*12433.8*	12220.4	12285.4	12342.1	11435.7	12204.3
47°	12112.0	12155.9	11903.0	11364.0	11773.6	*12074.2*	12112.0	12155.9	11903.0	11364.0	11773.6
47.5°	11982.0	11972.5	11687.4	11164.5	11773.6	*11898.0*	11982.0	11972.5	11687.4	11164.5	11773.6
48°	11856.9	11658.0	11687.4	10943.3	11363.4	*11710.8*	11856.9	11658.0	11687.4	10943.3	11363.4
48.5°	11706.3	11658.0	11261.7	10943.3	11363.4	*11535.2*	11706.3	11658.0	11261.7	10943.3	11363.4
49°	11442.4	11352.3	11261.7	10604.3	10944.4	*11352.3*	11442.4	11352.3	11261.7	10604.3	10944.4
49.5°	11320.1	11352.3	10868.8	10343.1	10944.4	*11147.3*	11320.1	11352.3	10868.8	10343.1	10944.4
50°	11168.9	11027.2	10868.8	10188.6	10496.5	*10977.2*	11168.9	11027.2	10868.8	10188.6	10496.5
50.5°	11040.6	10850.0	10440.4	9904.1	10496.5	*10633.8*	11040.6	10850.0	10440.4	9904.1	10496.5
51°	10878.8	10693.2	10187.0	9864.7	10069.7	*10633.8*	10878.8	10693.2	10187.0	9864.7	10069.7
51.5°	10757.7	10507.1	9977.5	9643.5	9833.0	*10294.8*	10757.7	10507.1	9977.5	9643.5	9833.0
52°	10608.8	10348.7	9756.3	9575.1	9629.0	*10294.8*	10608.8	10348.7	9756.3	9575.1	9629.0
52.5°	10474.3	10162.0	9502.9	9263.9	9261.7	*9972.5*	10474.3	10162.0	9502.9	9263.9	9261.7
53°	10310.3	10001.4	9068.3	9218.9	9261.7	*9972.5*	10310.3	10001.4	9068.3	9218.9	9261.7
53.5°	10184.8	9663.5	9068.3	8967.7	8989.4	*9652.9*	10184.8	9663.5	9068.3	8967.7	8989.4
54°	10033.0	9663.5	8732.6	8726.5	8989.4	*9484.5*	10033.0	9663.5	8732.6	8726.5	8989.4
54.5°	9732.4	9324.5	8732.6	8239.7	8692.6	*9332.8*	9732.4	9324.5	8732.6	8239.7	8692.6
55°	9591.2	9324.5	8509.8	8042.4	8692.6	*9180.0*	9591.2	9324.5	8509.8	8042.4	8692.6
55.5°	9421.7	9019.4	8509.8	7812.9	8433.1	*9042.2*	9421.7	9019.4	8509.8	7812.9	8433.1
56°	9282.8	8851.0	8309.2	7642.3	8433.1	*8785.4*	9282.8	8851.0	8309.2	7642.3	8433.1
56.5°	9118.9	8748.2	8112.5	7417.2	8187.5	*8785.4*	9118.9	8748.2	8112.5	7417.2	8187.5
57°	8965.5	8585.9	8020.2	7295.5	7819.6	*8570.9*	8965.5	8585.9	8020.2	7295.5	7819.6
57.5°	8786.0	8469.2	7781.2	6986.0	7819.6	*8570.9*	8786.0	8469.2	7781.2	6986.0	7819.6
58°	8638.7	8305.3	7781.2	6818.7	7309.4	*8287.5*	8638.7	8305.3	7781.2	6818.7	7309.4
58.5°	8471.5	8162.5	7281.6	6569.8	7309.4	*8139.7*	8471.5	8162.5	7281.6	6569.8	7309.4
59°	8139.7	7843.5	7281.6	6378.6	6864.3	*7982.4*	8139.7	7843.5	7281.6	6378.6	6864.3
59.5°	8139.7	7843.5	6672.6	5969.0	6864.3	*7917.4*	8139.7	7843.5	6672.6	5969.0	6864.3
60°	7809.6	7527.8	6672.6	5807.9	6394.7	*7756.2*	7809.6	7527.8	6672.6	5807.9	6394.7
60.5°	7654.5	7360.0	6161.3	5502.2	6394.7	*7558.4*	7654.5	7360.0	6161.3	5502.2	6394.7
61°	7482.3	7221.1	6161.3	5385.0	5879.6	*7558.4*	7482.3	7221.1	6161.3	5385.0	5879.6
61.5°	7320.0	7054.4	5765.1	5101.0	5879.6	*7285.5*	7320.0	7054.4	5765.1	5101.0	5879.6
62°	7139.4	6936.5	5556.1	4996.0	5447.2	*7285.5*	7139.4	6936.5	5556.1	4996.0	5447.2
62.5°	6982.1	6774.3	5325.5	4996.0	5099.9	*6957.7*	6982.1	6774.3	5325.5	4996.0	5099.9
63°	6811.0	6622.0	4973.7	4798.7	5099.9	*6957.7*	6811.0	6622.0	4973.7	4798.7	5099.9
63.5°	6641.5	6297.5	4973.7	4330.8	4683.1	*6599.8*	6641.5	6297.5	4973.7	4330.8	4683.1
64°	6464.7	6297.5	4585.3	4070.7	4683.1	*6454.2*	6464.7	6297.5	4585.3	4070.7	4683.1
64.5°	6127.4	6040.7	4398.6	3535.0	4245.7	*6266.3*	6127.4	6040.7	4398.6	3535.0	4245.7
65°	5956.2	6040.7	4110.7	3311.6	4245.7	*6133.0*	5956.2	6040.7	4110.7	3311.6	4245.7
65.5°	5789.0	5683.9	4110.7	3025.9	3837.3	*5926.2*	5789.0	5683.9	4110.7	3025.9	3837.3
66°	5615.0	5532.8	3717.2	2807.5	3837.3	*5547.2*	5615.0	5532.8	3717.2	2807.5	3837.3
66.5°	5442.2	5322.7	3486.1	2553.0	3422.7	*5547.2*	5442.2	5322.7	3486.1	2553.0	3422.7
67°	5274.4	5144.3	3288.8	2376.8	3024.8	*5117.7*	5274.4	5144.3	3288.8	2376.8	3024.8

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	4934.8	4943.2	3081.5	2162.3	3024.8	5117.7	4934.8	4943.2	3081.5	2162.3	3024.8
68°	4934.8	4817.6	2861.4	2031.7	2590.8	4709.8	4934.8	4817.6	2861.4	2031.7	2590.8
68.5°	4763.1	4604.7	2444.6	1812.8	2590.8	4709.8	4763.1	4604.7	2444.6	1812.8	2590.8
69°	4594.7	4201.3	2444.6	1716.1	2209.0	4320.8	4594.7	4201.3	2444.6	1716.1	2209.0
69.5°	4430.2	4201.3	2096.7	1425.4	2209.0	4111.2	4430.2	4201.3	2096.7	1425.4	2209.0
70°	4095.7	3810.0	2096.7	1267.1	1862.8	3876.2	4095.7	3810.0	2096.7	1267.1	1862.8
70.5°	3916.2	3613.9	1717.2	1156.5	1862.8	3408.8	3916.2	3613.9	1717.2	1156.5	1862.8
71°	3751.1	3408.8	1717.2	1020.3	1521.6	3408.8	3751.1	3408.8	1717.2	1020.3	1521.6
71.5°	3573.3	3228.2	1377.6	940.3	1521.6	2963.7	3573.3	3228.2	1377.6	940.3	1521.6
72°	3426.0	3038.1	1303.2	830.8	1227.0	2963.7	3426.0	3038.1	1303.2	830.8	1227.0
72.5°	3249.9	2857.5	1109.2	789.1	982.5	2561.9	3249.9	2857.5	1109.2	789.1	982.5
73°	3103.2	2689.1	879.2	675.2	982.5	2561.9	3103.2	2689.1	879.2	675.2	982.5
73.5°	2936.4	2481.9	879.2	646.3	785.8	2180.7	2936.4	2481.9	879.2	646.3	785.8
74°	2800.8	2342.4	721.3	537.9	785.8	1984.5	2800.8	2342.4	721.3	537.9	785.8
74.5°	2504.1	1998.9	721.3	507.9	670.8	1842.8	2504.1	1998.9	721.3	507.9	670.8
75°	2504.1	1998.9	618.5	395.1	670.8	1676.1	2504.1	1998.9	618.5	395.1	670.8
75.5°	2220.1	1675.0	618.5	349.0	566.8	1540.5	2220.1	1675.0	618.5	349.0	566.8
76°	2055.1	1478.8	505.2	320.1	566.8	1391.5	2055.1	1478.8	505.2	320.1	566.8
76.5°	1951.1	1351.0	505.2	295.6	447.9	1258.2	1951.1	1351.0	505.2	295.6	447.9
77°	1787.8	1185.9	405.7	281.8	447.9	979.7	1787.8	1185.9	405.7	281.8	447.9
77.5°	1698.3	1075.3	366.2	245.1	355.1	979.7	1698.3	1075.3	366.2	245.1	355.1
78°	1539.9	934.7	331.2	239.5	299.0	724.1	1539.9	934.7	331.2	239.5	299.0
78.5°	1468.2	866.9	274.0	209.5	299.0	724.1	1468.2	866.9	274.0	209.5	299.0
79°	1313.7	684.7	274.0	204.5	260.1	515.7	1313.7	684.7	274.0	204.5	260.1
79.5°	1255.4	684.7	231.2	175.6	260.1	410.7	1255.4	684.7	231.2	175.6	260.1
80°	1108.7	527.9	231.2	148.4	210.6	364.0	1108.7	527.9	231.2	148.4	210.6
80.5°	923.1	527.9	175.1	138.4	210.6	292.9	923.1	527.9	175.1	138.4	210.6
81°	888.6	386.2	175.1	132.8	153.4	264.5	888.6	386.2	175.1	132.8	153.4
81.5°	753.0	288.4	138.9	126.7	153.4	201.7	753.0	288.4	138.9	126.7	153.4
82°	728.6	269.0	131.2	122.8	128.4	201.7	728.6	269.0	131.2	122.8	128.4
82.5°	607.4	202.8	122.3	115.0	113.9	160.0	607.4	202.8	122.3	115.0	113.9
83°	590.2	188.4	106.7	105.6	113.9	160.0	590.2	188.4	106.7	105.6	113.9
83.5°	478.5	149.5	106.7	92.3	92.3	127.8	478.5	149.5	106.7	92.3	92.3
84°	466.8	138.9	81.7	83.4	92.3	127.8	466.8	138.9	81.7	83.4	92.3
84.5°	369.6	107.8	81.7	72.8	68.4	100.0	369.6	107.8	81.7	72.8	68.4
85°	354.0	107.8	61.1	64.5	68.4	85.6	354.0	107.8	61.1	64.5	68.4
85.5°	257.9	78.9	61.1	56.7	58.4	76.7	257.9	78.9	61.1	56.7	58.4
86°	189.5	78.9	52.2	53.9	58.4	55.6	189.5	78.9	52.2	53.9	58.4
86.5°	189.5	55.6	52.2	40.0	48.3	55.6	189.5	55.6	52.2	40.0	48.3
87°	135.6	44.5	37.2	34.5	48.3	36.1	135.6	44.5	37.2	34.5	48.3
87.5°	135.6	40.0	31.7	22.2	30.6	36.1	135.6	40.0	31.7	22.2	30.6
88°	94.5	30.6	18.3	17.2	16.1	21.1	94.5	30.6	18.3	17.2	16.1
88.5°	94.5	29.5	13.9	15.6	16.1	21.1	94.5	29.5	13.9	15.6	16.1
89°	64.5	18.9	13.9	15.0	13.9	7.8	64.5	18.9	13.9	15.0	13.9
89.5°	64.5	18.9	10.6	12.2	13.9	5.0	64.5	18.9	10.6	12.2	13.9

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	43.3	8.3	10.6	12.2	10.0	5.0	43.3	8.3	10.6	12.2	10.0
90.5°	28.3	8.3	4.4	6.7	10.0	0.6	28.3	8.3	4.4	6.7	10.0
91°	28.3	5.6	4.4	1.7	3.9	0.6	28.3	5.6	4.4	1.7	3.9
91.5°	16.7	1.1	0.6	1.7	3.9	0.6	16.7	1.1	0.6	1.7	3.9
92°	16.7	0.6	0.6	0.6	0.6	0.6	16.7	0.6	0.6	0.6	0.6
92.5°	7.2	0.6	0.6	0.6	0.6	0.6	7.2	0.6	0.6	0.6	0.6
93°	7.2	0.6	0.6	0.6	0.6	0.6	7.2	0.6	0.6	0.6	0.6
93.5°	1.1	0.6	0.6	0.6	0.6	0.6	1.1	0.6	0.6	0.6	0.6
94°	1.1	0.6	0.6	0.0	0.6	0.6	1.1	0.6	0.6	0.0	0.6
94.5°	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6	0.0	0.0
95°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
95.5°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
96°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
96.5°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
97°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
97.5°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
98°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
98.5°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
99°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
99.5°	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0
100°	1.1	0.6	0.0	0.0	0.0	0.6	1.1	0.6	0.0	0.0	0.0
100.5°	1.1	0.6	0.0	0.0	0.0	0.6	1.1	0.6	0.0	0.0	0.0
101°	1.1	0.6	0.0	0.0	0.0	0.6	1.1	0.6	0.0	0.0	0.0
101.5°	1.1	0.6	0.0	0.0	0.0	0.6	1.1	0.6	0.0	0.0	0.0
102°	1.1	0.6	0.0	0.6	0.0	0.6	1.1	0.6	0.0	0.6	0.0
102.5°	1.1	0.6	0.0	0.6	0.0	0.6	1.1	0.6	0.0	0.6	0.0
103°	1.1	0.6	0.0	0.6	0.0	0.6	1.1	0.6	0.0	0.6	0.0
103.5°	1.1	0.6	0.0	0.6	0.0	0.6	1.1	0.6	0.0	0.6	0.0
104°	1.1	0.6	1.1	0.6	0.0	0.6	1.1	0.6	1.1	0.6	0.0
104.5°	1.1	1.1	1.1	0.6	0.6	0.6	1.1	1.1	1.1	0.6	0.6
105°	1.1	1.1	1.1	0.6	0.6	1.1	1.1	1.1	1.1	0.6	0.6
105.5°	1.7	1.7	1.1	0.6	0.6	1.1	1.7	1.7	1.1	0.6	0.6
106°	1.7	1.7	1.1	0.6	0.6	1.1	1.7	1.7	1.1	0.6	0.6
106.5°	1.7	1.7	1.1	0.6	1.1	1.1	1.7	1.7	1.1	0.6	1.1
107°	1.7	1.7	1.1	0.6	1.1	1.7	1.7	1.7	1.1	0.6	1.1
107.5°	1.7	1.7	1.1	0.6	1.1	1.7	1.7	1.7	1.1	0.6	1.1
108°	1.7	1.7	1.1	0.6	1.1	1.7	1.7	1.7	1.1	0.6	1.1
108.5°	1.7	1.7	1.1	0.6	1.1	1.7	1.7	1.7	1.1	0.6	1.1
109°	1.7	1.7	1.1	0.6	1.1	1.7	1.7	1.7	1.1	0.6	1.1
109.5°	1.7	1.7	1.1	0.6	1.1	1.7	1.7	1.7	1.1	0.6	1.1
110°	1.7	2.2	1.1	1.1	1.7	1.7	1.7	2.2	1.1	1.1	1.7
110.5°	2.2	2.2	1.7	1.1	1.7	1.7	2.2	2.2	1.7	1.1	1.7
111°	2.2	2.2	1.7	1.7	1.7	1.7	2.2	2.2	1.7	1.7	1.7
111.5°	2.8	2.2	1.7	1.7	1.7	1.7	2.8	2.2	1.7	1.7	1.7
112°	2.8	2.8	1.7	1.7	1.7	1.7	2.8	2.8	1.7	1.7	1.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	2.8	2.8	2.2	1.7	1.7	2.8	2.8	2.8	2.2	1.7	1.7
113°	2.8	2.8	2.2	1.7	1.7	2.8	2.8	2.8	2.2	1.7	1.7
113.5°	2.8	2.8	2.2	1.7	1.7	2.8	2.8	2.8	2.2	1.7	1.7
114°	2.8	2.8	2.2	1.7	2.2	2.8	2.8	2.8	2.2	1.7	2.2
114.5°	2.8	2.8	2.2	1.7	2.8	2.8	2.8	2.8	2.2	1.7	2.8
115°	2.8	2.8	2.8	1.7	2.8	2.8	2.8	2.8	2.8	1.7	2.8
115.5°	3.3	2.8	2.8	2.2	2.8	2.8	3.3	2.8	2.8	2.2	2.8
116°	3.3	2.8	2.8	2.2	2.8	2.8	3.3	2.8	2.8	2.2	2.8
116.5°	3.3	3.3	2.8	2.8	2.8	2.8	3.3	3.3	2.8	2.8	2.8
117°	3.3	3.3	2.8	2.8	2.8	2.8	3.3	3.3	2.8	2.8	2.8
117.5°	3.3	3.3	2.8	2.8	2.8	2.8	3.3	3.3	2.8	2.8	2.8
118°	3.3	3.3	2.8	2.8	2.8	3.9	3.3	3.3	2.8	2.8	2.8
118.5°	3.3	3.3	2.8	2.8	2.8	3.9	3.3	3.3	2.8	2.8	2.8
119°	3.9	3.9	2.8	2.8	2.8	3.9	3.9	3.9	2.8	2.8	2.8
119.5°	3.9	3.9	3.9	2.8	2.8	3.9	3.9	3.9	3.9	2.8	2.8
120°	3.9	3.9	3.9	3.3	3.9	3.9	3.9	3.9	3.9	3.3	3.9
120.5°	3.9	3.9	3.9	3.3	3.9	3.9	3.9	3.9	3.9	3.3	3.9
121°	3.9	4.4	3.9	3.3	3.9	3.9	3.9	4.4	3.9	3.3	3.9
121.5°	4.4	4.4	3.9	3.3	3.9	3.9	4.4	4.4	3.9	3.3	3.9
122°	4.4	4.4	3.9	3.9	3.9	3.9	4.4	4.4	3.9	3.9	3.9
122.5°	4.4	4.4	3.9	3.9	3.9	3.9	4.4	4.4	3.9	3.9	3.9
123°	4.4	4.4	3.9	3.9	3.9	3.9	4.4	4.4	3.9	3.9	3.9
123.5°	4.4	4.4	3.9	3.9	3.9	5.0	4.4	4.4	3.9	3.9	3.9
124°	4.4	4.4	4.4	3.9	4.4	5.0	4.4	4.4	4.4	3.9	4.4
124.5°	5.0	5.0	5.0	3.9	5.0	5.0	5.0	5.0	5.0	3.9	5.0
125°	5.0	5.0	5.0	3.9	5.0	5.0	5.0	5.0	5.0	3.9	5.0
125.5°	5.0	5.0	5.0	4.4	5.0	5.0	5.0	5.0	5.0	4.4	5.0
126°	5.0	5.0	5.0	4.4	5.0	5.0	5.0	5.0	5.0	4.4	5.0
126.5°	5.0	5.6	5.0	5.0	5.0	5.0	5.0	5.6	5.0	5.0	5.0
127°	5.0	5.6	5.0	5.0	5.0	5.0	5.0	5.6	5.0	5.0	5.0
127.5°	5.0	5.6	5.0	5.0	5.0	5.0	5.0	5.6	5.0	5.0	5.0
128°	5.6	5.6	5.0	5.0	5.0	5.6	5.6	5.6	5.0	5.0	5.0
128.5°	5.6	5.6	5.6	5.0	5.0	5.6	5.6	5.6	5.6	5.0	5.0
129°	5.6	5.6	6.1	5.6	5.6	6.1	5.6	5.6	6.1	5.6	5.6
129.5°	5.6	5.6	6.1	5.6	5.6	6.1	5.6	5.6	6.1	5.6	5.6
130°	5.6	6.1	6.1	5.6	6.1	6.1	5.6	6.1	6.1	5.6	6.1
130.5°	5.6	6.1	6.1	5.6	6.1	6.1	5.6	6.1	6.1	5.6	6.1
131°	6.1	6.1	6.1	5.6	6.1	6.1	6.1	6.1	6.1	5.6	6.1
131.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
132°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
132.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
133°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
133.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
134°	6.1	6.7	6.7	6.1	6.1	6.1	6.1	6.7	6.7	6.1	6.1
134.5°	6.7	6.7	6.7	6.7	6.1	6.7	6.7	6.7	6.7	6.7	6.1

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	6.7	6.7	6.7	6.7	6.1	6.7	6.7	6.7	6.7	6.7	6.1
135.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
136°	6.7	6.7	7.2	6.7	6.7	7.2	6.7	6.7	7.2	6.7	6.7
136.5°	6.7	7.2	7.2	6.7	7.2	7.2	6.7	7.2	7.2	6.7	7.2
137°	6.7	7.2	7.2	7.2	7.2	7.2	6.7	7.2	7.2	7.2	7.2
137.5°	6.7	7.2	7.2	6.7	7.2	7.2	6.7	7.2	7.2	6.7	7.2
138°	7.2	7.2	7.2	6.7	7.2	7.2	7.2	7.2	7.2	6.7	7.2
138.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
139°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
139.5°	7.2	7.8	7.2	7.2	7.2	7.2	7.2	7.8	7.2	7.2	7.2
140°	7.2	7.8	7.2	7.2	7.2	7.2	7.2	7.8	7.2	7.2	7.2
140.5°	7.2	7.8	7.2	7.2	7.2	7.2	7.2	7.8	7.2	7.2	7.2
141°	7.8	7.8	7.2	7.8	7.2	7.2	7.8	7.8	7.2	7.8	7.2
141.5°	7.8	7.8	7.8	7.8	7.2	7.2	7.8	7.8	7.8	7.8	7.2
142°	7.8	7.8	7.8	7.8	7.2	7.8	7.8	7.8	7.8	7.8	7.2
142.5°	7.8	7.8	8.3	7.8	7.2	7.8	7.8	7.8	8.3	7.8	7.2
143°	7.8	7.8	8.3	7.8	8.3	7.8	7.8	7.8	8.3	7.8	8.3
143.5°	7.8	7.8	8.3	7.8	8.3	8.3	7.8	7.8	8.3	7.8	8.3
144°	7.8	7.8	8.3	8.3	8.3	8.3	7.8	7.8	8.3	8.3	8.3
144.5°	7.8	8.3	8.3	8.3	8.3	8.3	7.8	8.3	8.3	8.3	8.3
145°	7.8	8.3	8.3	8.3	8.3	8.3	7.8	8.3	8.3	8.3	8.3
145.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
146°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
146.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
147°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
147.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
148°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
148.5°	8.3	8.9	8.3	8.3	8.3	8.3	8.3	8.9	8.3	8.3	8.3
149°	8.3	8.9	8.9	8.3	8.3	8.3	8.3	8.9	8.9	8.3	8.3
149.5°	8.3	8.9	9.4	8.3	8.3	8.3	8.3	8.9	9.4	8.3	8.3
150°	8.3	8.9	8.9	8.9	8.9	8.3	8.3	8.9	8.9	8.9	8.9
150.5°	8.3	8.9	8.9	8.9	8.9	8.3	8.3	8.9	8.9	8.9	8.9
151°	8.9	8.9	8.9	8.9	9.4	8.9	8.9	8.9	8.9	8.9	9.4
151.5°	8.9	8.9	9.4	8.9	9.4	9.4	8.9	8.9	9.4	8.9	9.4
152°	8.9	9.4	9.4	9.4	9.4	9.4	8.9	9.4	9.4	9.4	9.4
152.5°	8.9	9.4	9.4	9.4	9.4	9.4	8.9	9.4	9.4	9.4	9.4
153°	8.9	9.4	9.4	9.4	9.4	9.4	8.9	9.4	9.4	9.4	9.4
153.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
154°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
154.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
155°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
155.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
156°	9.4	10.0	9.4	9.4	9.4	9.4	9.4	10.0	9.4	9.4	9.4
156.5°	9.4	9.4	9.4	10.0	9.4	9.4	9.4	9.4	9.4	10.0	9.4
157°	9.4	9.4	9.4	10.0	9.4	9.4	9.4	9.4	9.4	10.0	9.4

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	9.4	10.0	9.4	10.0	9.4	9.4	9.4	10.0	9.4	10.0	9.4
158°	9.4	10.0	10.0	10.0	9.4	9.4	9.4	10.0	10.0	10.0	9.4
158.5°	9.4	10.0	10.0	10.0	10.0	10.0	9.4	10.0	10.0	10.0	10.0
159°	9.4	10.0	10.0	10.0	10.0	10.0	9.4	10.0	10.0	10.0	10.0
159.5°	9.4	10.0	10.0	10.0	10.0	10.0	9.4	10.0	10.0	10.0	10.0
160°	9.4	10.0	10.0	10.0	10.0	10.0	9.4	10.0	10.0	10.0	10.0
160.5°	9.4	10.0	10.0	10.0	10.0	10.0	9.4	10.0	10.0	10.0	10.0
161°	9.4	10.0	10.0	10.0	10.0	10.0	9.4	10.0	10.0	10.0	10.0
161.5°	9.4	10.0	10.0	10.0	10.0	10.0	9.4	10.0	10.0	10.0	10.0
162°	9.4	10.0	10.0	10.0	10.0	10.0	9.4	10.0	10.0	10.0	10.0
162.5°	9.4	10.0	10.6	10.0	10.0	10.0	9.4	10.0	10.6	10.0	10.0
163°	10.0	10.6	10.6	10.0	10.0	10.0	10.0	10.6	10.6	10.0	10.0
163.5°	10.0	10.0	10.6	10.6	10.0	10.0	10.0	10.0	10.6	10.6	10.0
164°	10.0	10.0	10.6	11.1	10.0	10.0	10.0	10.0	10.6	11.1	10.0
164.5°	10.0	10.0	10.6	10.6	10.0	10.0	10.0	10.0	10.6	10.6	10.0
165°	10.0	10.0	10.6	10.0	10.6	10.0	10.0	10.0	10.6	10.0	10.6
165.5°	10.6	10.6	10.6	10.6	10.6	10.0	10.6	10.6	10.6	10.6	10.6
166°	10.6	10.6	10.6	11.1	10.6	10.0	10.6	10.6	10.6	11.1	10.6
166.5°	10.0	10.6	10.6	10.6	10.6	10.0	10.0	10.6	10.6	10.6	10.6
167°	10.0	10.6	10.6	10.6	10.6	10.0	10.0	10.6	10.6	10.6	10.6
167.5°	10.6	10.6	10.6	11.1	11.1	10.0	10.6	10.6	10.6	11.1	11.1
168°	10.0	10.6	10.6	11.1	11.1	10.6	10.0	10.6	10.6	11.1	11.1
168.5°	10.0	11.1	10.6	11.1	10.6	10.6	10.0	11.1	10.6	11.1	10.6
169°	10.6	11.1	11.1	11.1	10.6	10.6	10.6	11.1	11.1	11.1	10.6
169.5°	10.6	11.1	11.1	11.1	11.1	10.6	10.6	11.1	11.1	11.1	11.1
170°	10.6	11.1	10.6	11.1	10.6	10.6	10.6	11.1	10.6	11.1	10.6
170.5°	10.6	11.1	10.6	11.1	10.6	10.6	10.6	11.1	10.6	11.1	10.6
171°	10.6	11.1	11.1	11.1	11.1	11.1	10.6	11.1	11.1	11.1	11.1
171.5°	10.6	11.1	11.1	11.1	11.1	11.1	10.6	11.1	11.1	11.1	11.1
172°	10.6	11.1	11.1	11.1	11.1	10.6	10.6	11.1	11.1	11.1	11.1
172.5°	10.6	11.1	11.1	11.1	11.1	10.6	10.6	11.1	11.1	11.1	11.1
173°	10.6	11.1	11.1	11.1	11.1	10.6	10.6	11.1	11.1	11.1	11.1
173.5°	10.6	11.1	11.1	11.1	11.1	10.6	10.6	11.1	11.1	11.1	11.1
174°	10.6	11.1	11.1	11.1	11.1	10.6	10.6	11.1	11.1	11.1	11.1
174.5°	10.6	11.1	11.1	11.1	11.1	11.1	10.6	11.1	11.1	11.1	11.1
175°	10.6	10.6	11.1	11.1	11.1	11.1	10.6	10.6	11.1	11.1	11.1
175.5°	10.6	10.6	11.1	11.1	11.1	10.6	10.6	10.6	11.1	11.1	11.1
176°	10.6	11.1	11.1	11.1	11.1	10.6	10.6	11.1	11.1	11.1	11.1
176.5°	10.6	11.1	11.1	11.1	11.1	11.1	10.6	11.1	11.1	11.1	11.1
177°	10.6	11.1	11.1	11.1	11.1	11.1	10.6	11.1	11.1	11.1	11.1
177.5°	10.0	11.1	11.1	11.1	11.1	10.6	10.0	11.1	11.1	11.1	11.1
178°	10.0	11.1	11.1	11.1	11.1	10.6	10.0	11.1	11.1	11.1	11.1
178.5°	10.0	11.1	11.1	11.1	11.1	11.1	10.0	11.1	11.1	11.1	11.1
179°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
179.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	11.1	11.1	11.1	11.1	11.1	*11.1*	11.1	11.1	11.1	11.1	11.1

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	18411.7	18411.7
0.5°	18411.7	18411.7
1°	18452.3	18431.1
1.5°	18441.1	18424.5
2°	*18456.1*	*18405.0*
2.5°	18456.1	18400.6
3°	18416.7	18406.7
3.5°	18419.5	18393.9
4°	18421.1	18382.2
4.5°	18401.1	18353.3
5°	18391.7	18364.4
5.5°	18376.7	18356.7
6°	18360.0	18340.0
6.5°	18347.8	18304.4
7°	18345.6	18307.2
7.5°	18286.1	18286.7
8°	18286.1	18247.8
8.5°	18271.6	18231.1
9°	18236.6	18192.2
9.5°	18209.4	18190.0
10°	18188.8	18168.8
10.5°	18166.1	18140.5
11°	18137.2	18091.0
11.5°	18117.7	18083.3
12°	18077.1	18056.0
12.5°	18034.9	18031.0
13°	17996.0	17983.8
13.5°	17996.0	17961.5
14°	17900.4	17897.6
14.5°	17869.9	17861.0
15°	17838.7	17823.2
15.5°	17793.2	17763.2
16°	17756.5	17744.3
16.5°	17705.9	17706.5
17°	17654.8	17665.9
17.5°	17585.9	17604.8
18°	17585.9	17522.0
18.5°	17463.6	17487.5
19°	17423.6	17434.7
19.5°	17385.3	17386.4
20°	17325.3	17315.2
20.5°	17270.2	17284.7
21°	17214.7	17234.1
21.5°	17156.3	17178.5
22°	17103.0	17101.8

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	17057.4	17064.1
23°	16912.9	17002.9
23.5°	16912.9	16881.8
24°	16814.5	16827.3
24.5°	16739.5	16746.2
25°	16668.4	16701.7
25.5°	16607.3	16637.3
26°	16543.9	16570.0
26.5°	16472.2	16481.7
27°	16411.6	16431.1
27.5°	16250.5	16361.6
28°	16250.5	16294.4
28.5°	16126.6	16206.0
29°	16126.6	16053.2
29.5°	15954.8	15991.0
30°	15816.5	15909.3
30.5°	15816.5	15830.4
31°	15732.0	15727.5
31.5°	15657.0	15664.2
32°	15570.8	15581.9
32.5°	15484.1	15496.9
33°	15335.8	15392.4
33.5°	15335.8	15221.3
34°	15142.9	15141.8
34.5°	15064.0	15044.0
35°	14988.4	14952.3
35.5°	14893.4	14838.9
36°	14803.9	14760.6
36.5°	14718.3	14666.7
37°	14630.0	14567.2
37.5°	14547.7	14448.8
38°	14471.6	14363.8
38.5°	14247.6	14259.9
39°	14247.6	14050.4
39.5°	14176.0	13950.9
40°	14087.6	13830.9
40.5°	13894.2	13738.6
41°	13894.2	13630.2
41.5°	13716.4	13521.9
42°	13716.4	13392.9
42.5°	13520.2	13297.9
43°	13407.9	13185.1
43.5°	13292.9	12947.8
44°	13196.2	12947.8
44.5°	13055.1	12711.1

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	12749.4	12605.5
45.5°	12749.4	12605.5
46°	12433.8	12359.9
46.5°	12433.8	12220.4
47°	12074.2	12112.0
47.5°	11898.0	11982.0
48°	11710.8	11856.9
48.5°	11535.2	11706.3
49°	11352.3	11442.4
49.5°	11147.3	11320.1
50°	10977.2	11168.9
50.5°	10633.8	11040.6
51°	10633.8	10878.8
51.5°	10294.8	10757.7
52°	10294.8	10608.8
52.5°	9972.5	10474.3
53°	9972.5	10310.3
53.5°	9652.9	10184.8
54°	9484.5	10033.0
54.5°	9332.8	9732.4
55°	9180.0	9591.2
55.5°	9042.2	9421.7
56°	8785.4	9282.8
56.5°	8785.4	9118.9
57°	8570.9	8965.5
57.5°	8570.9	8786.0
58°	8287.5	8638.7
58.5°	8139.7	8471.5
59°	7982.4	8139.7
59.5°	7917.4	8139.7
60°	7756.2	7809.6
60.5°	7558.4	7654.5
61°	7558.4	7482.3
61.5°	7285.5	7320.0
62°	7285.5	7139.4
62.5°	6957.7	6982.1
63°	6957.7	6811.0
63.5°	6599.8	6641.5
64°	6454.2	6464.7
64.5°	6266.3	6127.4
65°	6133.0	5956.2
65.5°	5926.2	5789.0
66°	5547.2	5615.0
66.5°	5547.2	5442.2
67°	5117.7	5274.4

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	5117.7	4934.8
68°	4709.8	4934.8
68.5°	4709.8	4763.1
69°	4320.8	4594.7
69.5°	4111.2	4430.2
70°	3876.2	4095.7
70.5°	3408.8	3916.2
71°	3408.8	3751.1
71.5°	2963.7	3573.3
72°	2963.7	3426.0
72.5°	2561.9	3249.9
73°	2561.9	3103.2
73.5°	2180.7	2936.4
74°	1984.5	2800.8
74.5°	1842.8	2504.1
75°	1676.1	2504.1
75.5°	1540.5	2220.1
76°	1391.5	2055.1
76.5°	1258.2	1951.1
77°	979.7	1787.8
77.5°	979.7	1698.3
78°	724.1	1539.9
78.5°	724.1	1468.2
79°	515.7	1313.7
79.5°	410.7	1255.4
80°	364.0	1108.7
80.5°	292.9	923.1
81°	264.5	888.6
81.5°	201.7	753.0
82°	201.7	728.6
82.5°	160.0	607.4
83°	160.0	590.2
83.5°	127.8	478.5
84°	127.8	466.8
84.5°	100.0	369.6
85°	85.6	354.0
85.5°	76.7	257.9
86°	55.6	189.5
86.5°	55.6	189.5
87°	36.1	135.6
87.5°	36.1	135.6
88°	21.1	94.5
88.5°	21.1	94.5
89°	7.8	64.5
89.5°	5.0	64.5

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	5.0	43.3
90.5°	0.6	28.3
91°	0.6	28.3
91.5°	0.6	16.7
92°	0.6	16.7
92.5°	0.6	7.2
93°	0.6	7.2
93.5°	0.6	1.1
94°	0.6	1.1
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	0.6
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°	1.1	1.1
105.5°	1.1	1.7
106°	1.1	1.7
106.5°	1.1	1.7
107°	1.7	1.7
107.5°	1.7	1.7
108°	1.7	1.7
108.5°	1.7	1.7
109°	1.7	1.7
109.5°	1.7	1.7
110°	1.7	1.7
110.5°	1.7	2.2
111°	1.7	2.2
111.5°	1.7	2.8
112°	1.7	2.8

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
112.5°	2.8	2.8
113°	2.8	2.8
113.5°	2.8	2.8
114°	2.8	2.8
114.5°	2.8	2.8
115°	2.8	2.8
115.5°	2.8	3.3
116°	2.8	3.3
116.5°	2.8	3.3
117°	2.8	3.3
117.5°	2.8	3.3
118°	3.9	3.3
118.5°	3.9	3.3
119°	3.9	3.9
119.5°	3.9	3.9
120°	3.9	3.9
120.5°	3.9	3.9
121°	3.9	3.9
121.5°	3.9	4.4
122°	3.9	4.4
122.5°	3.9	4.4
123°	3.9	4.4
123.5°	5.0	4.4
124°	5.0	4.4
124.5°	5.0	5.0
125°	5.0	5.0
125.5°	5.0	5.0
126°	5.0	5.0
126.5°	5.0	5.0
127°	5.0	5.0
127.5°	5.0	5.0
128°	5.6	5.6
128.5°	5.6	5.6
129°	6.1	5.6
129.5°	6.1	5.6
130°	6.1	5.6
130.5°	6.1	5.6
131°	6.1	6.1
131.5°	6.1	6.1
132°	6.1	6.1
132.5°	6.1	6.1
133°	6.1	6.1
133.5°	6.1	6.1
134°	6.1	6.1
134.5°	6.7	6.7

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	6.7	6.7
135.5°	6.7	6.7
136°	7.2	6.7
136.5°	7.2	6.7
137°	7.2	6.7
137.5°	7.2	6.7
138°	7.2	7.2
138.5°	7.2	7.2
139°	7.2	7.2
139.5°	7.2	7.2
140°	7.2	7.2
140.5°	7.2	7.2
141°	7.2	7.8
141.5°	7.2	7.8
142°	7.8	7.8
142.5°	7.8	7.8
143°	7.8	7.8
143.5°	8.3	7.8
144°	8.3	7.8
144.5°	8.3	7.8
145°	8.3	7.8
145.5°	8.3	8.3
146°	8.3	8.3
146.5°	8.3	8.3
147°	8.3	8.3
147.5°	8.3	8.3
148°	8.3	8.3
148.5°	8.3	8.3
149°	8.3	8.3
149.5°	8.3	8.3
150°	8.3	8.3
150.5°	8.3	8.3
151°	8.9	8.9
151.5°	9.4	8.9
152°	9.4	8.9
152.5°	9.4	8.9
153°	9.4	8.9
153.5°	9.4	9.4
154°	9.4	9.4
154.5°	9.4	9.4
155°	9.4	9.4
155.5°	9.4	9.4
156°	9.4	9.4
156.5°	9.4	9.4
157°	9.4	9.4

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
157.5°	9.4	9.4
158°	9.4	9.4
158.5°	10.0	9.4
159°	10.0	9.4
159.5°	10.0	9.4
160°	10.0	9.4
160.5°	10.0	9.4
161°	10.0	9.4
161.5°	10.0	9.4
162°	10.0	9.4
162.5°	10.0	9.4
163°	10.0	10.0
163.5°	10.0	10.0
164°	10.0	10.0
164.5°	10.0	10.0
165°	10.0	10.0
165.5°	10.0	10.6
166°	10.0	10.6
166.5°	10.0	10.0
167°	10.0	10.0
167.5°	10.0	10.6
168°	10.6	10.0
168.5°	10.6	10.0
169°	10.6	10.6
169.5°	10.6	10.6
170°	10.6	10.6
170.5°	10.6	10.6
171°	11.1	10.6
171.5°	11.1	10.6
172°	10.6	10.6
172.5°	10.6	10.6
173°	10.6	10.6
173.5°	10.6	10.6
174°	10.6	10.6
174.5°	11.1	10.6
175°	11.1	10.6
175.5°	10.6	10.6
176°	10.6	10.6
176.5°	11.1	10.6
177°	11.1	10.6
177.5°	10.6	10.0
178°	10.6	10.0
178.5°	11.1	10.0
179°	11.1	11.1
179.5°	11.1	11.1

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	11.1	11.1

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

Scaled Data Report

TEST NUMBER: P1594677
CATALOG NUMBER: FLXB-4860-W-LOW-5700K

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	29.9	26.7	28.2	27.0	28.5	28.9
	3H	29.1	30.5	29.5	30.8	31.2	27.0	28.4	27.4	28.7	29.1
	4H	29.5	30.8	29.9	31.1	31.5	27.0	28.3	27.4	28.7	29.0
	6H	29.6	30.8	30.0	31.2	31.6	27.0	28.2	27.4	28.5	28.9
	8H	29.6	30.8	30.0	31.2	31.6	26.9	28.1	27.3	28.5	28.9
	12H	29.6	30.7	30.0	31.1	31.5	26.9	28.0	27.3	28.4	28.8
4H	2H	28.0	29.3	28.4	29.7	30.1	27.2	28.5	27.6	28.9	29.2
	3H	29.6	30.7	30.1	31.1	31.5	27.6	28.7	28.0	29.1	29.5
	4H	30.0	31.0	30.5	31.4	31.9	27.6	28.6	28.0	29.0	29.4
	6H	30.2	31.0	30.7	31.5	32.0	27.6	28.4	28.0	28.9	29.3
	8H	30.2	31.0	30.7	31.4	31.9	27.5	28.3	28.0	28.8	29.2
	12H	30.2	30.9	30.7	31.4	31.9	27.5	28.2	28.0	28.7	29.2
8H	4H	30.0	30.8	30.5	31.2	31.7	27.7	28.5	28.2	28.9	29.4
	6H	30.2	30.8	30.7	31.3	31.8	27.7	28.3	28.2	28.8	29.3
	8H	30.2	30.8	30.7	31.3	31.8	27.6	28.2	28.1	28.7	29.2
	12H	30.2	30.7	30.7	31.2	31.8	27.6	28.1	28.1	28.6	29.2
12H	4H	30.0	30.7	30.5	31.1	31.6	27.7	28.4	28.2	28.9	29.3
	6H	30.1	30.7	30.7	31.2	31.7	27.6	28.2	28.2	28.7	29.2
	8H	30.2	30.7	30.7	31.2	31.7	27.6	28.1	28.1	28.6	29.2

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: SP3-2602-684-5

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-5700K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

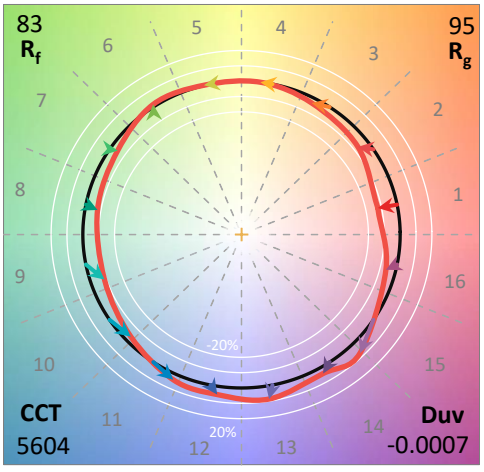
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-5
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-5700K**
Description:	LDS HLBX 2436 W beam, HI lumen, 5700K CCT settings

Spectral Parameters

CCT (K):	5604
CIE u':	0.2066
CIE v':	0.4754
Duv:	-0.0007
CIE x:	0.3301
CIE y:	0.3376
CIE z:	0.3322
Peak Wavelength (nm):	453
Dominant Wavelength (nm):	510
Purity:	1.011411
Rf:	82.8
Rg:	95.3

CRI (Ra):	84.2				
R1:	83.7	R9:	14.9
R2:	89.9	R10:	73.8
R3:	91.8	R11:	82.3
R4:	83.5	R12:	58.7
R5:	83.4	R13:	85.8
R6:	83.6	R14:	95.6
R7:	87.5	R15:	79.8
R8:	70.3		



Test Conditions

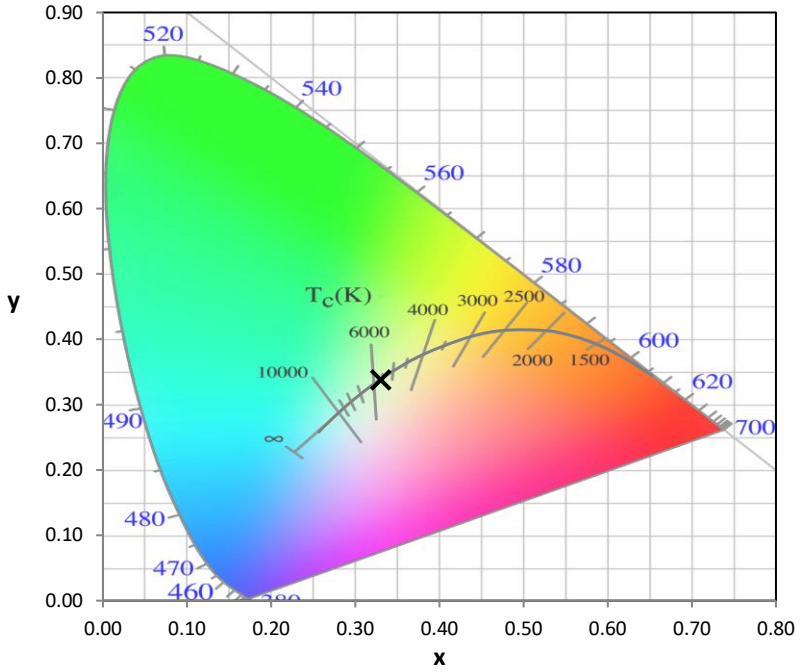
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-5

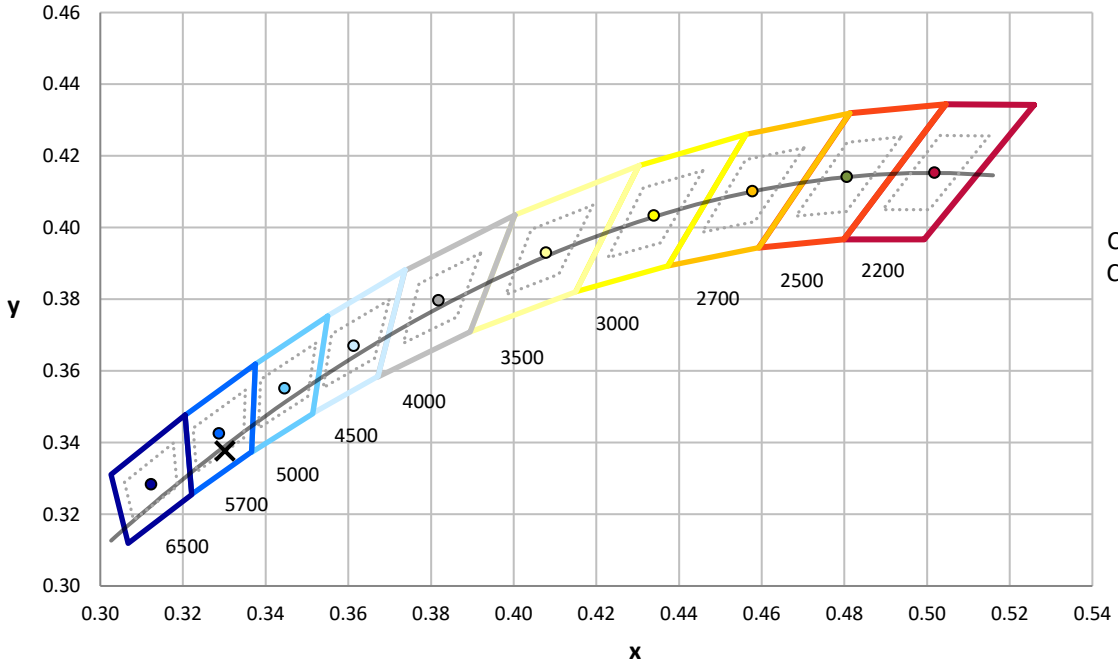
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-5

CIE 1931 Chromaticity Diagram



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

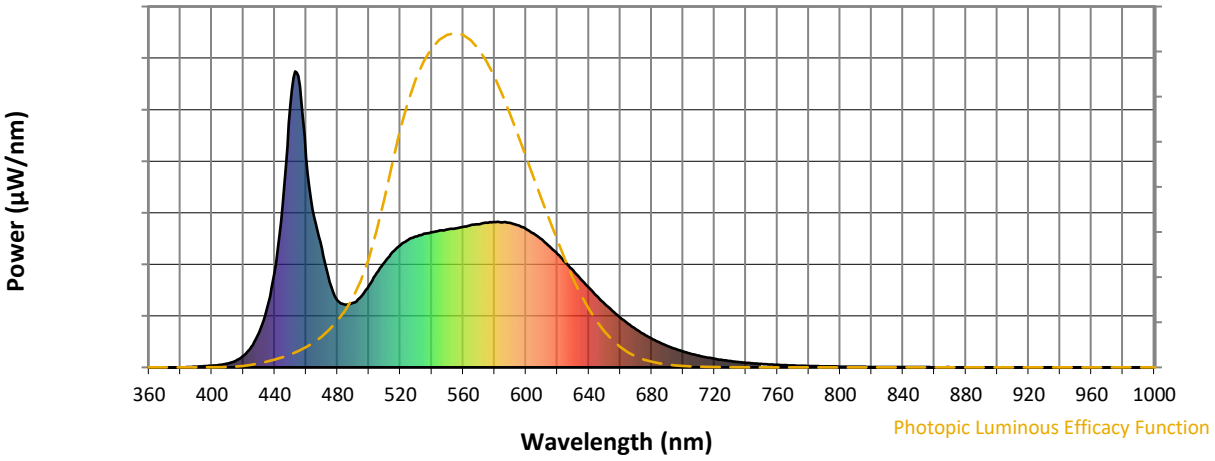


CCT = 5604K
CIE x = 0.3301
CIE y = 0.3376
Duv = -0.0007

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-5

Photopic Flux vs. Wavelength

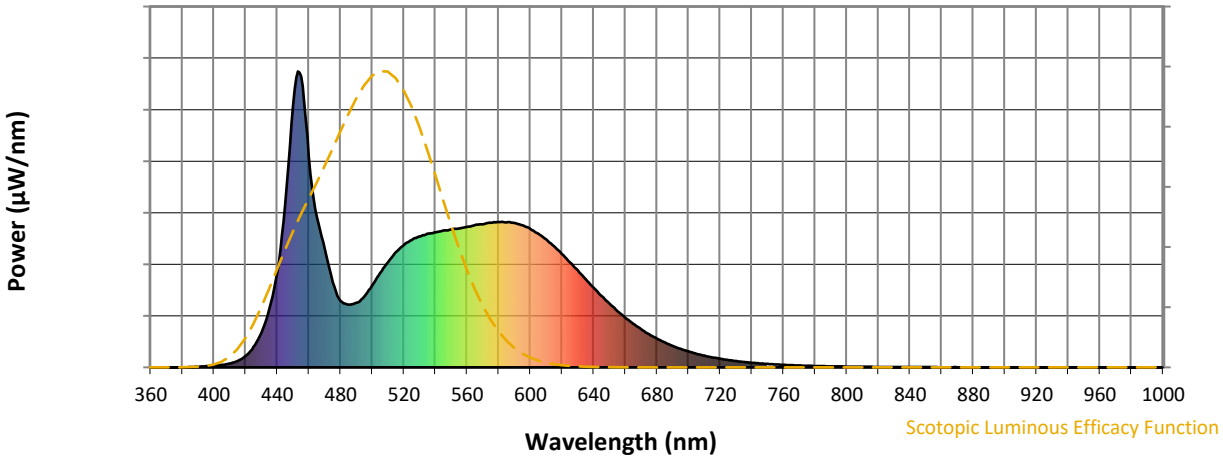


Photopic Lumens: NR

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	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP3-2602-684-5

Scotopic Flux vs. Wavelength

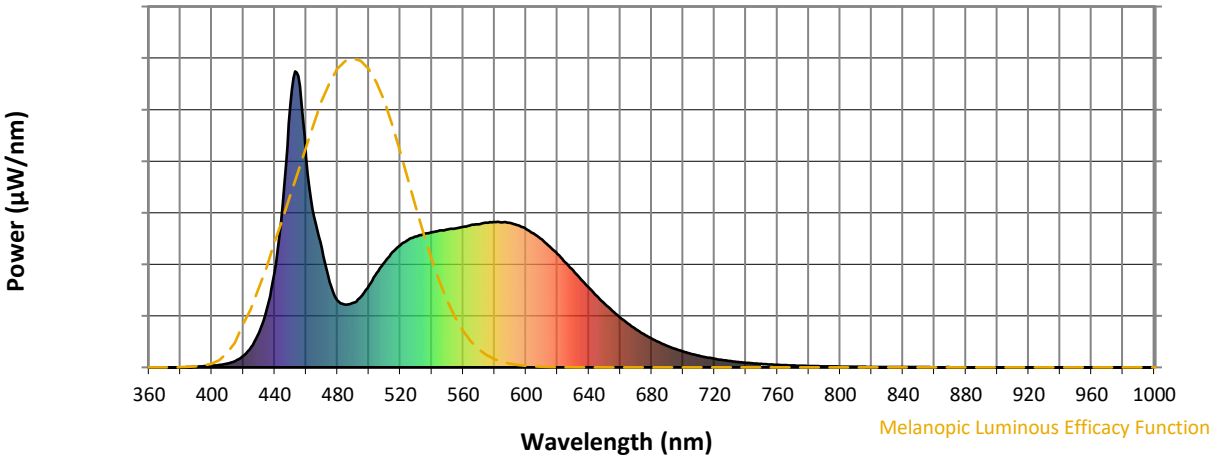


Scotopic Lumens: NR **S/P: 2.09**

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	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP3-2602-684-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.57**

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	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

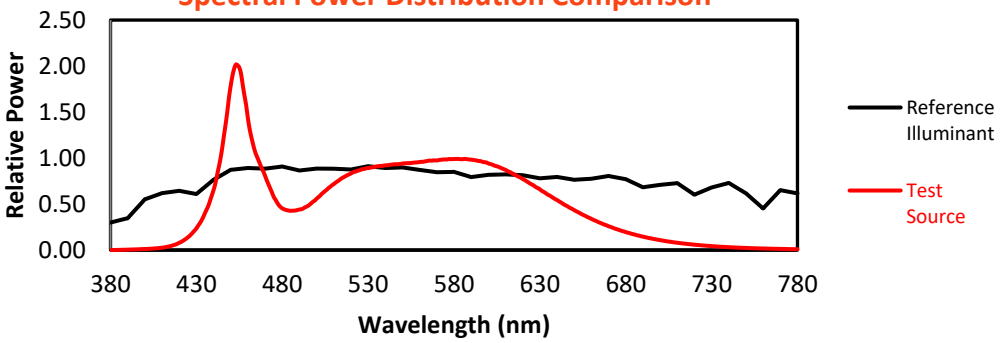
REPORT NUMBER: SP3-2602-684-5

TM-30-18

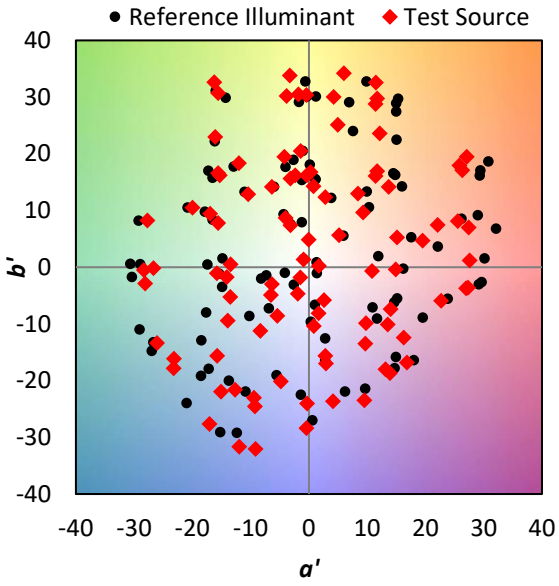
Summary

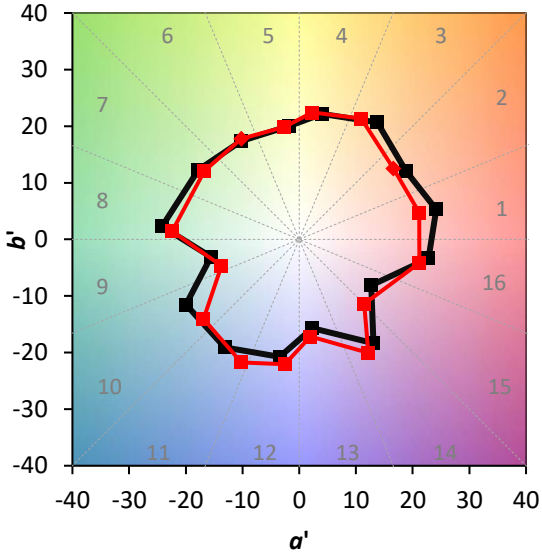
R_f = 82.8
R_g = 95.3
CIE R_a = 84.2
R_9 = 14.9

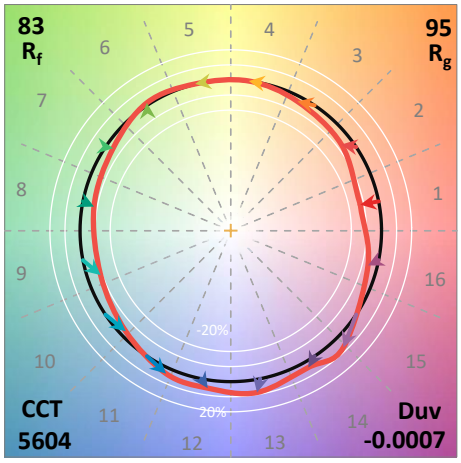
Spectral Power Distribution Comparison

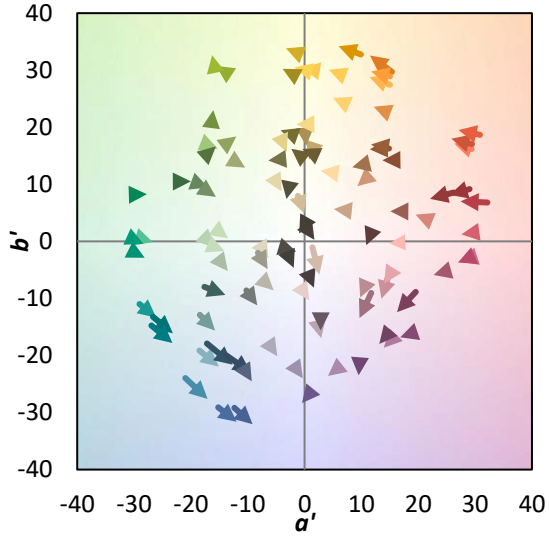


Color Vector Graphics







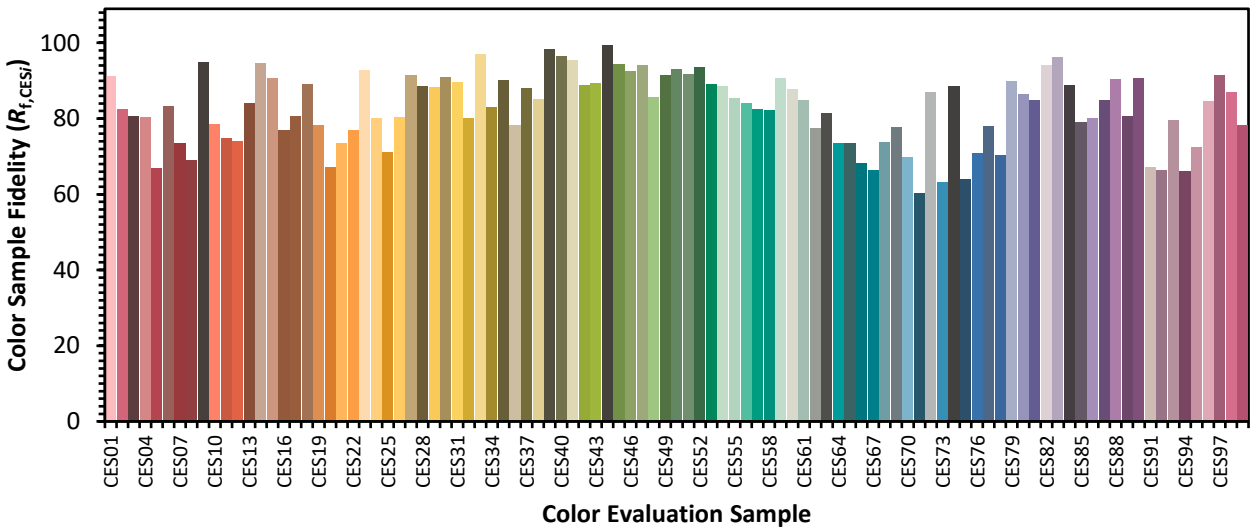


REPORT NUMBER: SP3-2602-684-5

TM-30-18

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

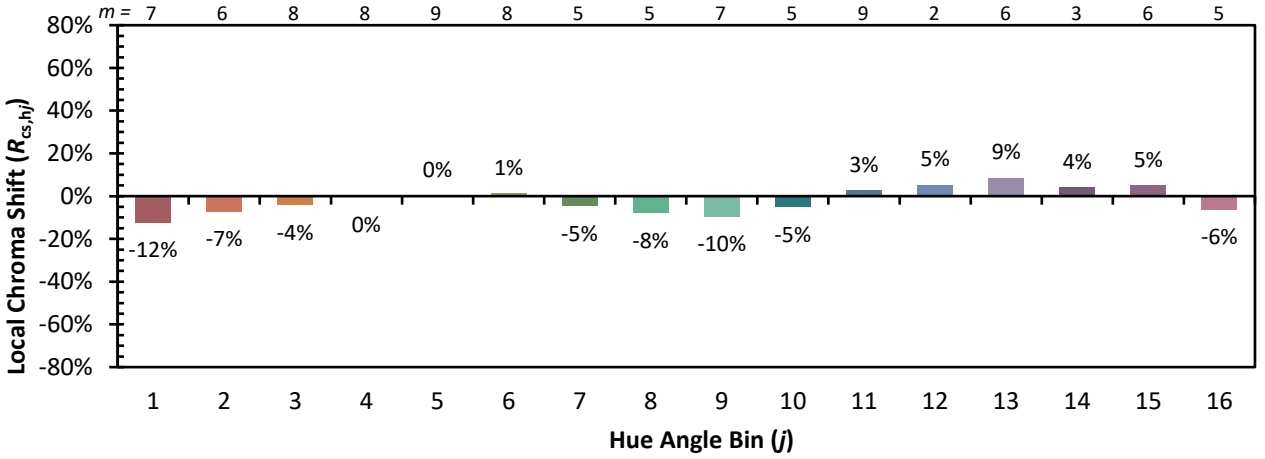
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 71
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 78
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 70
CES04 = 69	CES29 = 88	CES54 = 88	CES79 = 90
CES05 = 46	CES30 = 91	CES55 = 85	CES80 = 87
CES06 = 50	CES31 = 90	CES56 = 84	CES81 = 85
CES07 = 39	CES32 = 80	CES57 = 82	CES82 = 94
CES08 = 38	CES33 = 97	CES58 = 82	CES83 = 96
CES09 = 29	CES34 = 83	CES59 = 91	CES84 = 89
CES10 = 73	CES35 = 90	CES60 = 88	CES85 = 79
CES11 = 56	CES36 = 78	CES61 = 85	CES86 = 80
CES12 = 61	CES37 = 88	CES62 = 78	CES87 = 85
CES13 = 42	CES38 = 85	CES63 = 82	CES88 = 90
CES14 = 74	CES39 = 98	CES64 = 74	CES89 = 81
CES15 = 70	CES40 = 96	CES65 = 73	CES90 = 91
CES16 = 46	CES41 = 95	CES66 = 68	CES91 = 67
CES17 = 48	CES42 = 89	CES67 = 66	CES92 = 66
CES18 = 55	CES43 = 89	CES68 = 74	CES93 = 79
CES19 = 70	CES44 = 99	CES69 = 78	CES94 = 66
CES20 = 64	CES45 = 94	CES70 = 70	CES95 = 72
CES21 = 85	CES46 = 92	CES71 = 60	CES96 = 85
CES22 = 77	CES47 = 94	CES72 = 87	CES97 = 92
CES23 = 91	CES48 = 86	CES73 = 63	CES98 = 87
CES24 = 90	CES49 = 91	CES74 = 89	CES99 = 78
CES25 = 71	CES50 = 93	CES75 = 64	

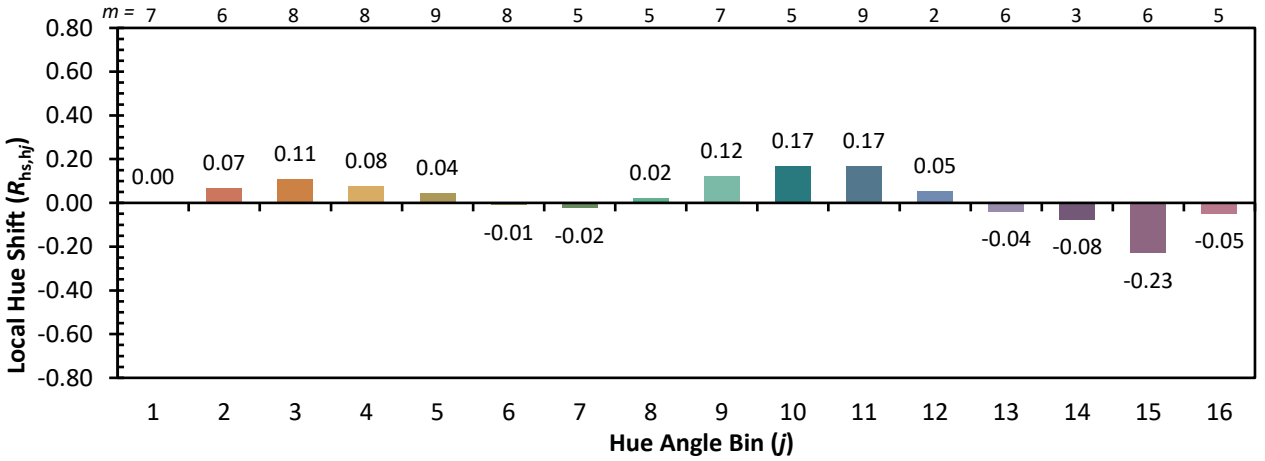


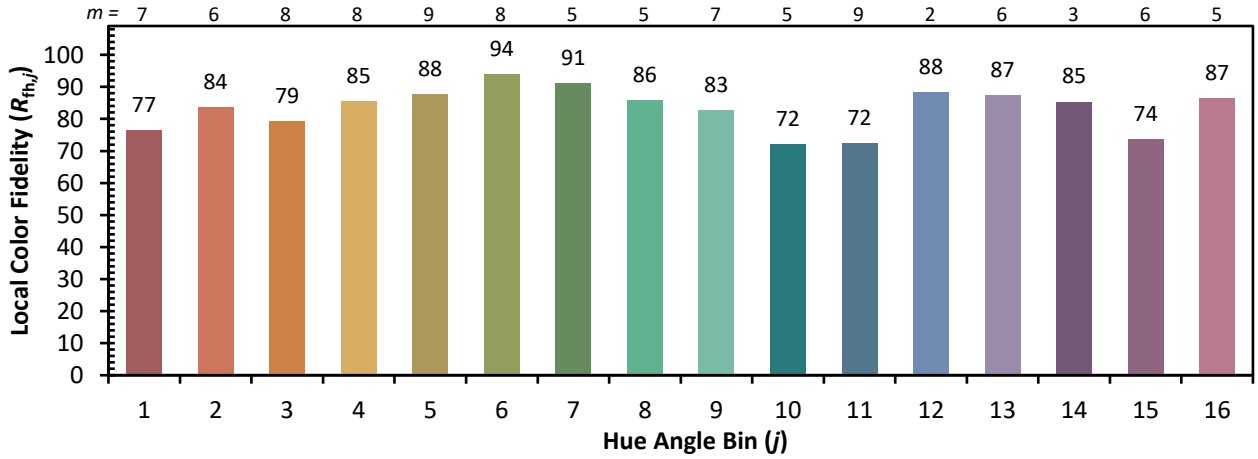
REPORT NUMBER: SP3-2602-684-5

TM-30-18

Color Rendition by Hue-Angle Bin



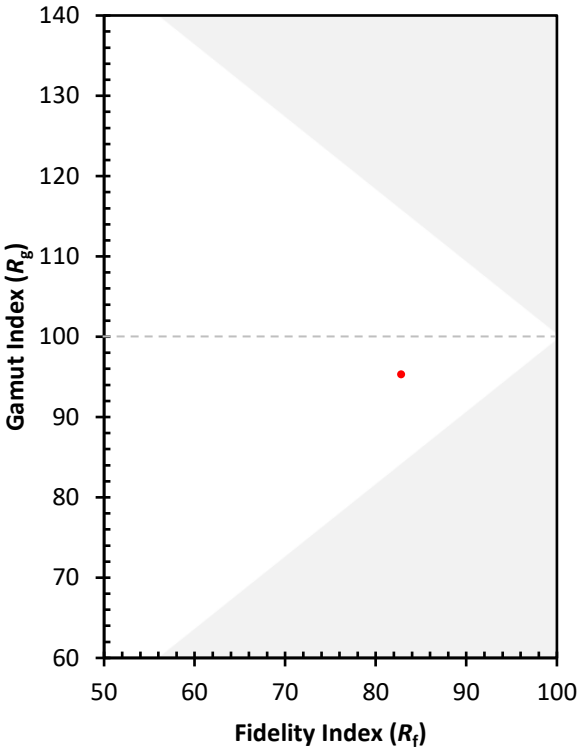


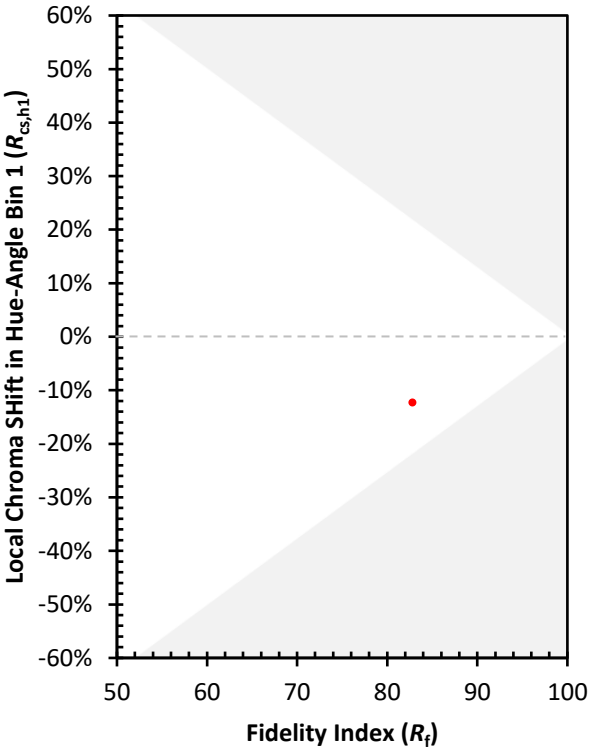


REPORT NUMBER: SP3-2602-684-5

TM-30-18

Measure Comparisons





(END OF REPORT)