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: P1594626

Luminaire Tested: FLXB-2436-W-HI-5000K

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:	P1594626
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2601783A001)
Test Lab:	INNOVATION CENTER
Issue Date:	10/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	FLXB-2436-W-HI-5000K
Description:	2436 FlexBay Linear High bay at W beam, HI lumen, 5000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36392.0 lumens
Efficiency:	N/A
Efficacy:	154.8 lumens/watt
Spacing Criteria (0/90/45):	1.28 / 1.36 / 1.42
Luminous Opening:	Rectangular (W 1.04' x L: 1.48' x H: 0')
CIE Type:	Direct

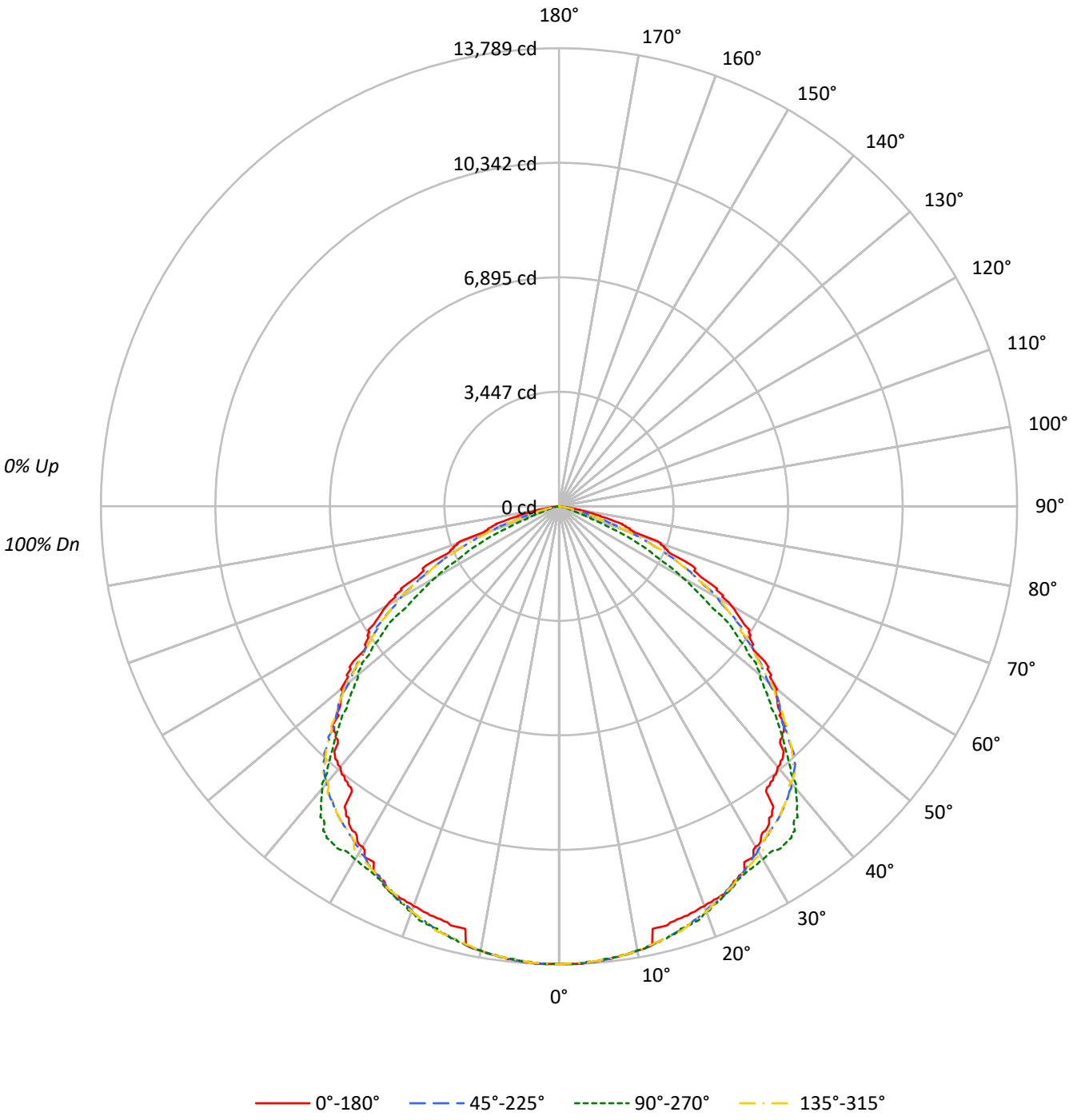
Input Watts (W):	235.1
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

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	94	92	92	90	89	87
2	101	94	87	82	99	92	86	81	88	84	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	59	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41
7	67	54	45	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	39	35	45	39	35	33
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	96247	96247	96247	96247
5°	96326	96307	96326	96307
10°	96327	96309	96327	96309
15°	93739	96536	93739	96536
20°	95220	96641	95220	96641
25°	95924	96755	95924	96755
30°	95445	98993	95445	98993
35°	95397	104003	95397	104003
40°	93379	101063	93379	101063
45°	94623	92538	94623	92538
50°	93036	85934	93036	85934
55°	86139	77222	86139	77222
60°	83753	60172	83753	60172
65°	74535	43171	74535	43171
70°	66677	19411	66677	19411
75°	46822	6407	46822	6407
80°	25782	5057	25782	5057
85°	9915	2805	9915	2805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 120°
Vertical Angle: 45°
Luminance: 98261 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1306.1	3.6
10°-20°	3753.1	10.3
20°-30°	5773.1	15.9
30°-40°	7198.0	19.8
40°-50°	7425.9	20.4
50°-60°	6086.0	16.7
60°-70°	3713.4	10.2
70°-80°	1048.6	2.9
80°-90°	87.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	10832.3	29.8
0°-40°	18030.4	49.5
0°-60°	31542.3	86.7
0°-90°	36392.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36392.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	13778	13778	13778	13778	13778	
5°	13737	13734	13737	13734	13737	1306
15°	12962	13348	12962	13348	12962	3694
25°	12445	12553	12445	12553	12445	5740
35°	11187	12196	11187	12196	11187	6918
45°	9578	9367	9578	9367	9578	7312
55°	7073	6341	7073	6341	7073	6427
65°	4509	2612	4509	2612	4509	4438
75°	1735	237	1735	237	1735	1807
85°	124	35	124	35	124	198
90°	1	3	1	3	1	

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0
0.5°	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0	13778.0
1°	13776.5	13794.4	13783.1	13778.6	13763.9	13770.5	13776.5	13794.4	13783.1	13778.6	13763.9
1.5°	13781.1	13788.3	13777.9	13785.8	13774.5	13765.9	13781.1	13788.3	13777.9	13785.8	13774.5
2°	13781.1	13788.3	13762.6	13785.8	13762.6	13765.9	13781.1	13788.3	13762.6	13785.8	13762.6
2.5°	13785.1	13788.3	13764.6	13770.5	13762.6	13763.2	13785.1	13788.3	13764.6	13770.5	13762.6
3°	13785.1	13788.3	13750.0	13770.5	13759.4	13763.2	13785.1	13788.3	13750.0	13770.5	13759.4
3.5°	13751.3	13778.6	13746.8	13743.4	13759.4	13748.1	13751.3	13778.6	13746.8	13743.4	13759.4
4°	13756.7	13778.6	13742.7	13743.4	13744.1	13748.1	13756.7	13778.6	13742.7	13743.4	13744.1
4.5°	13750.0	13740.7	13717.6	13753.3	13723.5	13750.0	13750.0	13740.7	13717.6	13753.3	13723.5
5°	13736.8	13746.1	13725.6	13734.2	13723.5	13742.7	13736.8	13746.1	13725.6	13734.2	13723.5
5.5°	13717.6	13754.0	13717.6	13701.8	13695.8	13720.3	13717.6	13754.0	13717.6	13701.8	13695.8
6°	13715.0	13732.1	13699.8	13695.1	13695.8	13709.7	13715.0	13732.1	13699.8	13695.1	13695.8
6.5°	13715.0	13701.2	13699.8	13695.1	13695.8	13709.7	13715.0	13701.2	13699.8	13695.1	13695.8
7°	13675.3	13698.5	13665.3	13675.9	13695.8	13666.7	13675.3	13698.5	13665.3	13675.9	13695.8
7.5°	13675.3	13698.5	13665.3	13663.4	13670.0	13666.7	13675.3	13698.5	13665.3	13663.4	13670.0
8°	13648.2	13659.4	13658.1	13645.5	13670.0	13635.0	13648.2	13659.4	13658.1	13645.5	13670.0
8.5°	13648.2	13659.4	13612.5	13645.5	13633.0	13635.0	13648.2	13659.4	13612.5	13645.5	13633.0
9°	13630.3	13621.1	13612.5	13625.1	13633.0	13615.2	13630.3	13621.1	13612.5	13625.1	13633.0
9.5°	13605.3	13609.8	13582.0	13625.1	13605.3	13615.2	13605.3	13609.8	13582.0	13625.1	13605.3
10°	13580.0	13597.2	13582.0	13577.5	13572.8	13573.5	13580.0	13597.2	13582.0	13577.5	13572.8
10.5°	13571.5	13597.2	13535.1	13572.1	13568.2	13560.9	13571.5	13597.2	13535.1	13572.1	13568.2
11°	13558.8	13537.8	13535.1	13562.2	13527.9	13537.8	13558.8	13537.8	13535.1	13562.2	13527.9
11.5°	13535.7	13515.3	13504.0	13502.6	13492.7	13488.8	13535.7	13515.3	13504.0	13502.6	13492.7
12°	13497.4	13515.3	13474.2	13502.6	13484.8	13488.8	13497.4	13515.3	13474.2	13502.6	13484.8
12.5°	13027.1	13461.7	13459.7	13461.1	13462.9	13415.4	13027.1	13461.7	13459.7	13461.1	13462.9
13°	13027.1	13461.7	13414.8	13461.1	13462.9	13415.4	13027.1	13461.7	13414.8	13461.1	13462.9
13.5°	13027.1	13414.8	13400.8	13402.8	13406.7	13399.5	13027.1	13414.8	13400.8	13402.8	13406.7
14°	13027.1	13414.8	13385.0	13402.8	13382.3	13399.5	13027.1	13414.8	13385.0	13402.8	13382.3
14.5°	13027.1	13369.7	13348.5	13348.5	13345.3	13351.9	13027.1	13369.7	13348.5	13348.5	13345.3
15°	12961.7	13336.7	13300.4	13348.5	13345.3	13351.9	12961.7	13336.7	13300.4	13348.5	13345.3
15.5°	12961.7	13294.3	13294.3	13305.6	13295.7	13329.3	12961.7	13294.3	13294.3	13305.6	13295.7
16°	12931.9	13279.2	13269.3	13234.1	13295.7	13329.3	12931.9	13279.2	13269.3	13234.1	13295.7
16.5°	12931.9	13264.6	13234.1	13234.1	13225.5	13295.0	12931.9	13264.6	13234.1	13234.1	13225.5
17°	12906.2	13176.0	13203.8	13198.4	13199.1	13250.7	12906.2	13176.0	13203.8	13198.4	13199.1
17.5°	12906.2	13176.0	13179.3	13198.4	13172.7	13137.7	12906.2	13176.0	13179.3	13198.4	13172.7
18°	12871.0	13109.1	13099.3	13158.7	13129.6	13112.4	12871.0	13109.1	13099.3	13158.7	13129.6
18.5°	12871.0	13109.1	13069.5	13158.7	13095.3	13085.4	12871.0	13109.1	13069.5	13158.7	13095.3
19°	12834.0	13049.7	13038.4	13121.0	13070.2	13029.8	12834.0	13049.7	13038.4	13121.0	13070.2
19.5°	12808.9	13049.7	12997.4	13027.8	13020.6	13006.6	12808.9	13049.7	12997.4	13027.8	13020.6
20°	12808.9	12954.5	12963.0	13000.1	12949.1	12976.2	12808.9	12954.5	12963.0	13000.1	12949.1
20.5°	12764.0	12927.9	12858.5	12969.6	12949.1	12928.5	12764.0	12927.9	12858.5	12969.6	12949.1
21°	12764.0	12893.5	12819.5	12879.1	12873.7	12843.2	12764.0	12893.5	12819.5	12879.1	12873.7
21.5°	12729.5	12847.9	12819.5	12851.8	12873.7	12803.5	12729.5	12847.9	12819.5	12851.8	12873.7
22°	12729.5	12797.0	12790.4	12838.7	12795.6	12762.6	12729.5	12797.0	12790.4	12838.7	12795.6

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	12689.8	12720.2	12790.4	12782.5	12757.9	12659.4	12689.8	12720.2	12790.4	12782.5	12757.9
23°	12689.8	12720.2	12761.3	12726.3	12709.7	12623.7	12689.8	12720.2	12761.3	12726.3	12709.7
23.5°	12642.2	12629.0	12613.1	12685.2	12673.3	12623.7	12642.2	12629.0	12613.1	12685.2	12673.3
24°	12642.2	12579.4	12613.1	12655.5	12630.4	12584.0	12642.2	12579.4	12613.1	12655.5	12630.4
24.5°	12561.6	12521.9	12528.5	12609.2	12576.1	12584.0	12561.6	12521.9	12528.5	12609.2	12576.1
25°	12445.2	12482.9	12528.5	12553.0	12537.0	12466.3	12445.2	12482.9	12528.5	12553.0	12537.0
25.5°	12445.2	12482.9	12445.8	12469.6	12447.2	12404.8	12445.2	12482.9	12445.8	12469.6	12447.2
26°	12365.1	12355.2	12445.8	12446.5	12447.2	12404.8	12365.1	12355.2	12445.8	12446.5	12447.2
26.5°	12365.1	12355.2	12351.9	12414.0	12369.1	12362.5	12365.1	12355.2	12351.9	12414.0	12369.1
27°	12305.0	12267.8	12351.9	12387.6	12320.8	12297.6	12305.0	12267.8	12351.9	12387.6	12320.8
27.5°	12072.1	12222.9	12269.2	12340.7	12266.0	12297.6	12072.1	12222.9	12269.2	12340.7	12266.0
28°	12072.1	12160.1	12269.2	12351.3	12224.9	12236.2	12072.1	12160.1	12269.2	12351.3	12224.9
28.5°	12072.1	12099.9	12162.1	12319.5	12178.6	12236.2	12072.1	12099.9	12162.1	12319.5	12178.6
29°	12072.1	12047.7	12079.4	12316.8	12114.4	12189.9	12072.1	12047.7	12079.4	12316.8	12114.4
29.5°	11884.9	11998.1	12079.4	12278.4	12078.7	12189.9	11884.9	11998.1	12079.4	12278.4	12078.7
30°	11832.7	11945.1	12000.7	12272.5	12048.3	12113.2	11832.7	11945.1	12000.7	12272.5	12048.3
30.5°	11832.7	11820.8	12000.7	12250.0	12006.0	12113.2	11832.7	11820.8	12000.7	12250.0	12006.0
31°	11777.9	11820.8	11925.9	12215.0	11930.0	12063.5	11777.9	11820.8	11925.9	12215.0	11930.0
31.5°	11641.6	11704.4	11925.9	12203.7	11930.0	11663.5	11641.6	11704.4	11925.9	12203.7	11930.0
32°	11574.1	11646.1	11859.1	12203.0	11854.6	11663.5	11574.1	11646.1	11859.1	12203.0	11854.6
32.5°	11574.1	11583.4	11859.1	12259.9	11818.8	11552.9	11574.1	11583.4	11859.1	12259.9	11818.8
33°	11522.5	11512.5	11797.7	12269.2	11816.2	11552.9	11522.5	11512.5	11797.7	12269.2	11816.2
33.5°	11461.0	11463.0	11773.8	12238.2	11778.5	11426.6	11461.0	11463.0	11773.8	12238.2	11778.5
34°	11310.3	11425.9	11748.8	12219.7	11761.9	11426.6	11310.3	11425.9	11748.8	12219.7	11761.9
34.5°	11310.3	11367.8	11702.5	12185.9	11736.8	11308.9	11310.3	11367.8	11702.5	12185.9	11736.8
35°	11186.6	11295.0	11702.5	12195.8	11715.6	11308.9	11186.6	11295.0	11702.5	12195.8	11715.6
35.5°	11115.8	11230.9	11665.3	12076.0	11681.3	11181.3	11115.8	11230.9	11665.3	12076.0	11681.3
36°	10601.3	11106.5	11665.3	12080.7	11681.3	11119.7	10601.3	11106.5	11665.3	12080.7	11681.3
36.5°	10528.4	11106.5	11565.5	11876.3	11614.5	10989.4	10528.4	11106.5	11565.5	11876.3	11614.5
37°	10528.4	10977.5	11565.5	11775.8	11614.5	10929.9	10528.4	10977.5	11565.5	11775.8	11614.5
37.5°	10462.3	10902.8	11492.2	11800.9	11484.1	10929.9	10462.3	10902.8	11492.2	11800.9	11484.1
38°	10462.3	10847.9	11492.2	11618.4	11484.1	10796.3	10462.3	10847.9	11492.2	11618.4	11484.1
38.5°	10383.6	10783.1	11423.3	11522.5	11485.5	10796.3	10383.6	10783.1	11423.3	11522.5	11485.5
39°	10383.6	10717.7	11336.0	11369.0	11485.5	10662.0	10383.6	10717.7	11336.0	11369.0	11485.5
39.5°	10314.9	10644.8	11336.0	11227.5	11136.3	10662.0	10314.9	10644.8	11336.0	11227.5	11136.3
40°	10240.1	10578.7	11154.8	11082.7	11136.3	10527.8	10240.1	10578.7	11154.8	11082.7	11136.3
40.5°	10240.1	10472.9	11154.8	10982.2	11136.3	10527.8	10240.1	10472.9	11154.8	10982.2	11136.3
41°	10161.4	10472.9	11025.8	10634.3	11136.3	10376.3	10161.4	10472.9	11025.8	10634.3	11136.3
41.5°	10161.4	10308.9	11025.8	10518.5	11136.3	10315.6	10161.4	10308.9	11025.8	10518.5	11136.3
42°	10082.0	10308.9	10886.3	10320.8	10916.1	10226.9	10082.0	10308.9	10886.3	10320.8	10916.1
42.5°	10006.0	10160.8	10886.3	10180.0	10707.1	10059.5	10006.0	10160.8	10886.3	10180.0	10707.1
43°	9752.0	10076.8	10567.5	9998.1	10551.0	10059.5	9752.0	10076.8	10567.5	9998.1	10551.0
43.5°	9676.6	9969.0	10567.5	9847.9	10464.3	9891.6	9676.6	9969.0	10567.5	9847.9	10464.3
44°	9676.6	9882.3	10233.5	9701.1	10268.0	9891.6	9676.6	9882.3	10233.5	9701.1	10268.0
44.5°	9578.1	9787.8	9942.5	9523.1	10123.1	9688.5	9578.1	9787.8	9942.5	9523.1	10123.1

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	9578.1	*9711.7*	9942.5	9367.1	9946.4	9623.1	9578.1	9711.7	9942.5	9367.1	9946.4
45.5°	9494.7	*9711.7*	9279.8	9213.0	9683.3	9493.5	9494.7	9711.7	9279.8	9213.0	9683.3
46°	9494.7	*9379.6*	9279.8	9070.9	9683.3	9403.5	9494.7	9379.6	9279.8	9070.9	9683.3
46.5°	9139.0	*9379.6*	9148.9	8786.3	9382.9	9283.7	9139.0	9379.6	9148.9	8786.3	9382.9
47°	9139.0	*9149.4*	9148.9	8705.1	9382.9	9056.9	9139.0	9149.4	9148.9	8705.1	9382.9
47.5°	8944.5	*9035.0*	8988.8	8532.4	9078.7	9056.9	8944.5	9035.0	8988.8	8532.4	9078.7
48°	8851.9	*8906.8*	8988.8	8420.7	8937.3	8834.0	8851.9	8906.8	8988.8	8420.7	8937.3
48.5°	8769.2	*8769.9*	8855.2	8248.8	8795.6	8834.0	8769.2	8769.9	8855.2	8248.8	8795.6
49°	8662.0	*8648.8*	8734.2	8128.3	8657.4	8594.6	8662.0	8648.8	8734.2	8128.3	8657.4
49.5°	8560.9	*8523.8*	8349.2	7963.0	8485.5	8594.6	8560.9	8523.8	8349.2	7963.0	8485.5
50°	8560.9	*8256.0*	8197.8	7907.4	8360.5	8342.6	8560.9	8256.0	8197.8	7907.4	8360.5
50.5°	8375.7	*8135.5*	8010.7	7819.5	8158.1	8342.6	8375.7	8135.5	8010.7	7819.5	8158.1
51°	8164.7	*8135.5*	7871.0	7630.9	7801.6	8089.3	8164.7	8135.5	7871.0	7630.9	7801.6
51.5°	8164.7	*7903.5*	7725.5	7589.4	7801.6	7961.7	8164.7	7903.5	7725.5	7589.4	7801.6
52°	7951.8	*7903.5*	7553.6	7264.6	7468.9	7837.4	7951.8	7903.5	7553.6	7264.6	7468.9
52.5°	7951.8	*7650.8*	7410.0	7121.1	7468.9	7599.8	7951.8	7650.8	7410.0	7121.1	7468.9
53°	7752.1	*7525.1*	7231.5	7012.6	7156.8	7599.8	7752.1	7525.1	7231.5	7012.6	7156.8
53.5°	7287.0	*7422.7*	7121.7	6764.6	6988.7	7357.2	7287.0	7422.7	7121.7	6764.6	6988.7
54°	7176.0	*7315.5*	6958.4	6629.0	6874.3	7357.2	7176.0	7315.5	6958.4	6629.0	6874.3
54.5°	7176.0	*7193.1*	6775.2	6458.4	6728.3	7119.8	7176.0	7193.1	6775.2	6458.4	6728.3
55°	7072.8	*7068.8*	6543.0	6340.6	6696.5	7119.8	7072.8	7068.8	6543.0	6340.6	6696.5
55.5°	6956.4	*6954.4*	6543.0	6172.0	6463.6	6775.2	6956.4	6954.4	6543.0	6172.0	6463.6
56°	6956.4	*6746.7*	6416.0	5906.2	6463.6	6775.2	6956.4	6746.7	6416.0	5906.2	6463.6
56.5°	6845.9	*6746.7*	6416.0	5534.3	6258.0	6681.3	6845.9	6746.7	6416.0	5534.3	6258.0
57°	6845.9	*6557.5*	6190.5	5352.5	6258.0	6603.9	6845.9	6557.5	6190.5	5352.5	6258.0
57.5°	6613.8	*6557.5*	5990.8	5175.3	5975.5	6432.0	6613.8	6557.5	5990.8	5175.3	5975.5
58°	6482.8	*6383.7*	5778.5	4992.1	5826.1	6304.3	6482.8	6383.7	5778.5	4992.1	5826.1
58.5°	6361.1	*6303.6*	5512.6	4824.8	5625.7	6214.9	6361.1	6303.6	5512.6	4824.8	5625.7
59°	6238.8	*6153.5*	5294.9	4648.8	5531.1	6091.3	6238.8	6153.5	5294.9	4648.8	5531.1
59.5°	6127.6	*6058.9*	5125.0	4492.7	5299.0	6011.3	6127.6	6058.9	5125.0	4492.7	5299.0
60°	5994.7	*5930.6*	5078.7	4306.9	5134.9	5902.8	5994.7	5930.6	5078.7	4306.9	5134.9
60.5°	5868.4	*5835.3*	4923.3	4142.2	4949.8	5826.1	5868.4	5835.3	4923.3	4142.2	4949.8
61°	5622.3	*5759.3*	4677.9	3973.0	4545.7	5709.0	5622.3	5759.3	4677.9	3973.0	4545.7
61.5°	5622.3	*5436.6*	4490.2	3816.1	4545.7	5618.5	5622.3	5436.6	4490.2	3816.1	4545.7
62°	5365.7	*5436.6*	4261.9	3496.1	4158.7	5342.0	5365.7	5436.6	4261.9	3496.1	4158.7
62.5°	5365.7	*5320.1*	4088.0	3353.1	4158.7	5221.6	5365.7	5320.1	4088.0	3353.1	4158.7
63°	5103.1	*5121.8*	3888.3	3210.9	3797.0	5103.8	5103.1	5121.8	3888.3	3210.9	3797.0
63.5°	4768.5	*5121.8*	3746.0	3086.6	3629.7	5004.7	4768.5	5121.8	3746.0	3086.6	3629.7
64°	4641.6	*4884.9*	3560.9	2969.0	3465.0	4958.4	4641.6	4884.9	3560.9	2969.0	3465.0
64.5°	4509.3	*4884.9*	3259.2	2792.3	3271.9	4785.1	4509.3	4884.9	3259.2	2792.3	3271.9
65°	4509.3	*4667.3*	3127.0	2611.8	3127.0	4714.3	4509.3	4667.3	3127.0	2611.8	3127.0
65.5°	4509.3	*4667.3*	2930.0	2459.7	2942.4	4588.6	4509.3	4667.3	2930.0	2459.7	2942.4
66°	4383.6	*4351.2*	2761.9	2300.9	2622.4	4412.7	4383.6	4351.2	2761.9	2300.9	2622.4
66.5°	4122.4	*4237.4*	2580.0	2091.9	2487.5	4301.6	4122.4	4237.4	2580.0	2091.9	2487.5
67°	3664.7	*4099.8*	2427.2	1917.9	2487.5	4193.2	3664.7	4099.8	2427.2	1917.9	2487.5

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	3531.8	3829.4	2246.0	1568.1	2150.8	3841.9	3531.8	3829.4	2246.0	1568.1	2150.8
68°	3531.8	3829.4	2103.8	1434.5	2150.8	3670.6	3531.8	3829.4	2103.8	1434.5	2150.8
68.5°	3400.8	3484.8	1928.5	1275.2	1867.1	3520.5	3400.8	3484.8	1928.5	1275.2	1867.1
69°	3400.8	3484.8	1816.1	1017.2	1726.8	3340.6	3400.8	3484.8	1816.1	1017.2	1726.8
69.5°	3264.6	3093.3	1690.4	1017.2	1587.3	3183.2	3264.6	3093.3	1690.4	1017.2	1587.3
70°	3264.6	3093.3	1440.4	950.4	1441.8	3006.0	3264.6	3093.3	1440.4	950.4	1441.8
70.5°	3139.6	2721.0	1378.3	815.5	1331.4	2862.5	3139.6	2721.0	1378.3	815.5	1331.4
71°	2366.5	2721.0	1233.5	744.0	927.9	2486.8	2366.5	2721.0	1233.5	744.0	927.9
71.5°	2366.5	2375.1	1168.7	638.2	927.9	2486.8	2366.5	2375.1	1168.7	638.2	927.9
72°	2234.8	2199.1	1006.6	512.5	775.8	2167.3	2234.8	2199.1	1006.6	512.5	775.8
72.5°	2234.8	2035.7	949.1	494.0	775.8	1934.6	2234.8	2035.7	949.1	494.0	775.8
73°	2097.9	1880.2	791.6	411.4	640.9	1760.6	2097.9	1880.2	791.6	411.4	640.9
73.5°	2097.9	1718.2	750.7	385.6	576.1	1760.6	2097.9	1718.2	750.7	385.6	576.1
74°	1973.6	1424.6	612.4	308.2	515.9	1597.9	1973.6	1424.6	612.4	308.2	515.9
74.5°	1973.6	1424.6	586.0	289.1	486.1	1597.9	1973.6	1424.6	586.0	289.1	486.1
75°	1734.8	1173.9	481.5	237.4	445.0	1336.0	1734.8	1173.9	481.5	237.4	445.0
75.5°	1617.1	1173.9	428.6	219.6	383.0	1250.6	1617.1	1173.9	428.6	219.6	383.0
76°	1490.7	947.8	398.1	209.0	355.8	1091.3	1490.7	947.8	398.1	209.0	355.8
76.5°	1278.4	853.9	338.0	193.1	287.0	1008.7	1278.4	853.9	338.0	193.1	287.0
77°	1278.4	749.4	313.5	174.6	287.0	864.5	1278.4	749.4	313.5	174.6	287.0
77.5°	1066.7	662.1	253.9	140.8	229.5	674.5	1066.7	662.1	253.9	140.8	229.5
78°	1066.7	572.1	245.3	131.6	229.5	641.6	1066.7	572.1	245.3	131.6	229.5
78.5°	873.0	394.2	207.6	131.6	179.9	530.5	873.0	394.2	207.6	131.6	179.9
79°	802.9	394.2	203.8	131.6	143.5	512.5	802.9	394.2	203.8	131.6	143.5
79.5°	705.0	247.3	179.2	131.6	134.9	326.1	705.0	247.3	179.2	131.6	134.9
80°	640.9	247.3	147.5	125.7	106.5	315.5	640.9	247.3	147.5	125.7	106.5
80.5°	640.9	171.3	142.2	82.0	102.5	315.5	640.9	171.3	142.2	82.0	102.5
81°	457.0	171.3	84.6	78.1	91.9	303.5	457.0	171.3	84.6	78.1	91.9
81.5°	380.3	130.2	80.1	75.4	84.6	303.5	380.3	130.2	80.1	75.4	84.6
82°	343.9	118.4	80.1	72.0	74.1	163.4	343.9	118.4	80.1	72.0	74.1
82.5°	278.5	101.1	75.4	68.1	74.1	120.3	278.5	101.1	75.4	68.1	74.1
83°	250.0	90.0	75.4	55.5	61.6	114.4	250.0	90.0	75.4	55.5	61.6
83.5°	197.0	80.8	56.9	46.3	61.6	84.0	197.0	80.8	56.9	46.3	61.6
84°	177.8	59.5	56.9	42.4	49.6	84.0	177.8	59.5	56.9	42.4	49.6
84.5°	123.7	59.5	46.9	39.0	45.6	62.2	123.7	59.5	46.9	39.0	45.6
85°	123.7	44.3	39.7	35.0	38.4	62.2	123.7	44.3	39.7	35.0	38.4
85.5°	82.6	44.3	38.4	34.4	31.8	46.9	82.6	44.3	38.4	34.4	31.8
86°	82.6	34.4	30.5	27.8	27.8	46.9	82.6	34.4	30.5	27.8	27.8
86.5°	52.3	27.8	30.5	25.1	19.8	33.7	52.3	27.8	30.5	25.1	19.8
87°	36.4	22.5	21.9	17.8	19.8	33.7	36.4	22.5	21.9	17.8	19.8
87.5°	32.5	17.2	21.9	11.3	11.9	24.4	32.5	17.2	21.9	11.3	11.9
88°	21.2	10.6	14.5	9.9	11.9	19.2	21.2	10.6	14.5	9.9	11.9
88.5°	19.2	9.9	14.5	8.6	8.6	19.2	19.2	9.9	14.5	8.6	8.6
89°	9.9	7.2	8.6	8.6	5.9	13.9	9.9	7.2	8.6	8.6	5.9
89.5°	9.9	4.7	8.6	6.6	5.9	13.9	9.9	4.7	8.6	6.6	5.9

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.3	*3.3*	5.2	3.3	2.0	13.9	1.3	3.3	5.2	3.3	2.0

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	13778.0	13778.0
0.5°	13778.0	13778.0
1°	*13770.5*	*13776.5*
1.5°	13765.9	13781.1
2°	13765.9	13781.1
2.5°	13763.2	13785.1
3°	13763.2	13785.1
3.5°	13748.1	13751.3
4°	13748.1	13756.7
4.5°	13750.0	13750.0
5°	13742.7	13736.8
5.5°	13720.3	13717.6
6°	13709.7	13715.0
6.5°	13709.7	13715.0
7°	13666.7	13675.3
7.5°	13666.7	13675.3
8°	13635.0	13648.2
8.5°	13635.0	13648.2
9°	13615.2	13630.3
9.5°	13615.2	13605.3
10°	13573.5	13580.0
10.5°	13560.9	13571.5
11°	13537.8	13558.8
11.5°	13488.8	13535.7
12°	13488.8	13497.4
12.5°	13415.4	13027.1
13°	13415.4	13027.1
13.5°	13399.5	13027.1
14°	13399.5	13027.1
14.5°	13351.9	13027.1
15°	13351.9	12961.7
15.5°	13329.3	12961.7
16°	13329.3	12931.9
16.5°	13295.0	12931.9
17°	13250.7	12906.2
17.5°	13137.7	12906.2
18°	13112.4	12871.0
18.5°	13085.4	12871.0
19°	13029.8	12834.0
19.5°	13006.6	12808.9
20°	12976.2	12808.9
20.5°	12928.5	12764.0
21°	12843.2	12764.0
21.5°	12803.5	12729.5
22°	12762.6	12729.5

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	12659.4	12689.8
23°	12623.7	12689.8
23.5°	12623.7	12642.2
24°	12584.0	12642.2
24.5°	12584.0	12561.6
25°	12466.3	12445.2
25.5°	12404.8	12445.2
26°	12404.8	12365.1
26.5°	12362.5	12365.1
27°	12297.6	12305.0
27.5°	12297.6	12072.1
28°	12236.2	12072.1
28.5°	12236.2	12072.1
29°	12189.9	12072.1
29.5°	12189.9	11884.9
30°	12113.2	11832.7
30.5°	12113.2	11832.7
31°	12063.5	11777.9
31.5°	11663.5	11641.6
32°	11663.5	11574.1
32.5°	11552.9	11574.1
33°	11552.9	11522.5
33.5°	11426.6	11461.0
34°	11426.6	11310.3
34.5°	11308.9	11310.3
35°	11308.9	11186.6
35.5°	11181.3	11115.8
36°	11119.7	10601.3
36.5°	10989.4	10528.4
37°	10929.9	10528.4
37.5°	10929.9	10462.3
38°	10796.3	10462.3
38.5°	10796.3	10383.6
39°	10662.0	10383.6
39.5°	10662.0	10314.9
40°	10527.8	10240.1
40.5°	10527.8	10240.1
41°	10376.3	10161.4
41.5°	10315.6	10161.4
42°	10226.9	10082.0
42.5°	10059.5	10006.0
43°	10059.5	9752.0
43.5°	9891.6	9676.6
44°	9891.6	9676.6
44.5°	9688.5	9578.1

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	9623.1	9578.1
45.5°	9493.5	9494.7
46°	9403.5	9494.7
46.5°	9283.7	9139.0
47°	9056.9	9139.0
47.5°	9056.9	8944.5
48°	8834.0	8851.9
48.5°	8834.0	8769.2
49°	8594.6	8662.0
49.5°	8594.6	8560.9
50°	8342.6	8560.9
50.5°	8342.6	8375.7
51°	8089.3	8164.7
51.5°	7961.7	8164.7
52°	7837.4	7951.8
52.5°	7599.8	7951.8
53°	7599.8	7752.1
53.5°	7357.2	7287.0
54°	7357.2	7176.0
54.5°	7119.8	7176.0
55°	7119.8	7072.8
55.5°	6775.2	6956.4
56°	6775.2	6956.4
56.5°	6681.3	6845.9
57°	6603.9	6845.9
57.5°	6432.0	6613.8
58°	6304.3	6482.8
58.5°	6214.9	6361.1
59°	6091.3	6238.8
59.5°	6011.3	6127.6
60°	5902.8	5994.7
60.5°	5826.1	5868.4
61°	5709.0	5622.3
61.5°	5618.5	5622.3
62°	5342.0	5365.7
62.5°	5221.6	5365.7
63°	5103.8	5103.1
63.5°	5004.7	4768.5
64°	4958.4	4641.6
64.5°	4785.1	4509.3
65°	4714.3	4509.3
65.5°	4588.6	4509.3
66°	4412.7	4383.6
66.5°	4301.6	4122.4
67°	4193.2	3664.7

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	3841.9	3531.8
68°	3670.6	3531.8
68.5°	3520.5	3400.8
69°	3340.6	3400.8
69.5°	3183.2	3264.6
70°	3006.0	3264.6
70.5°	2862.5	3139.6
71°	2486.8	2366.5
71.5°	2486.8	2366.5
72°	2167.3	2234.8
72.5°	1934.6	2234.8
73°	1760.6	2097.9
73.5°	1760.6	2097.9
74°	1597.9	1973.6
74.5°	1597.9	1973.6
75°	1336.0	1734.8
75.5°	1250.6	1617.1
76°	1091.3	1490.7
76.5°	1008.7	1278.4
77°	864.5	1278.4
77.5°	674.5	1066.7
78°	641.6	1066.7
78.5°	530.5	873.0
79°	512.5	802.9
79.5°	326.1	705.0
80°	315.5	640.9
80.5°	315.5	640.9
81°	303.5	457.0
81.5°	303.5	380.3
82°	163.4	343.9
82.5°	120.3	278.5
83°	114.4	250.0
83.5°	84.0	197.0
84°	84.0	177.8
84.5°	62.2	123.7
85°	62.2	123.7
85.5°	46.9	82.6
86°	46.9	82.6
86.5°	33.7	52.3
87°	33.7	36.4
87.5°	24.4	32.5
88°	19.2	21.2
88.5°	19.2	19.2
89°	13.9	9.9
89.5°	13.9	9.9

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	13.9	1.3

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

Scaled Data Report

TEST NUMBER: P1594626
CATALOG NUMBER: FLXB-2436-W-HI-5000K

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	28.0	29.5	28.3	29.9	30.2	27.0	28.5	27.3	28.8	29.2
	3H	29.4	30.8	29.7	31.1	31.4	27.3	28.7	27.7	29.0	29.4
	4H	29.7	31.0	30.1	31.3	31.7	27.2	28.6	27.6	28.9	29.3
	6H	29.8	31.0	30.2	31.3	31.7	27.2	28.4	27.6	28.8	29.2
	8H	29.8	30.9	30.2	31.3	31.7	27.2	28.3	27.6	28.7	29.1
	12H	29.7	30.8	30.2	31.2	31.6	27.1	28.2	27.6	28.6	29.0
4H	2H	28.4	29.7	28.8	30.0	30.4	27.5	28.8	27.9	29.2	29.6
	3H	29.9	31.0	30.3	31.4	31.8	27.9	29.0	28.3	29.4	29.8
	4H	30.3	31.2	30.7	31.7	32.1	27.9	28.8	28.3	29.2	29.7
	6H	30.4	31.2	30.8	31.7	32.1	27.8	28.7	28.3	29.1	29.6
	8H	30.4	31.2	30.8	31.6	32.1	27.8	28.6	28.2	29.0	29.5
	12H	30.4	31.0	30.8	31.5	32.0	27.8	28.4	28.2	28.9	29.4
8H	4H	30.2	31.0	30.7	31.5	31.9	28.0	28.7	28.4	29.2	29.6
	6H	30.3	31.0	30.8	31.5	32.0	27.9	28.5	28.4	29.0	29.5
	8H	30.3	30.9	30.8	31.4	31.9	27.9	28.4	28.4	28.9	29.4
	12H	30.3	30.8	30.8	31.3	31.9	27.8	28.3	28.3	28.8	29.4
12H	4H	30.2	30.9	30.7	31.4	31.9	27.9	28.6	28.4	29.1	29.6
	6H	30.3	30.9	30.8	31.3	31.9	27.9	28.4	28.4	28.9	29.4
	8H	30.3	30.8	30.8	31.3	31.9	27.8	28.3	28.3	28.8	29.4

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: SP3-2602-684-4

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-5000K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

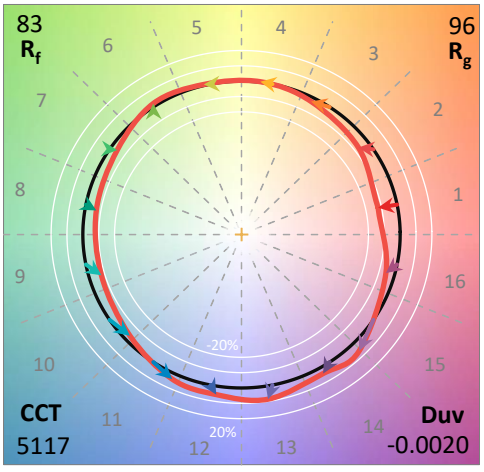
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-4
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-5000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 5000K CCT settings

Spectral Parameters

CCT (K):	5117	CRI (Ra):	84.6		
CIE u':	0.2117	R1:	84.3	R9:	16.1
CIE v':	0.4808	R2:	90.8	R10:	76.0
Duv:	-0.0020	R3:	92.9	R11:	82.6
CIE x:	0.3416	R4:	83.6	R12:	61.4
CIE y:	0.3449	R5:	84.0	R13:	86.4
CIE z:	0.3135	R6:	84.9	R14:	96.3
Peak Wavelength (nm):	454	R7:	86.7	R15:	80.3
Dominant Wavelength (nm):	574	R8:	69.3		
Purity:	5.96999				

Rf:	83.2
Rg:	95.8



Test Conditions

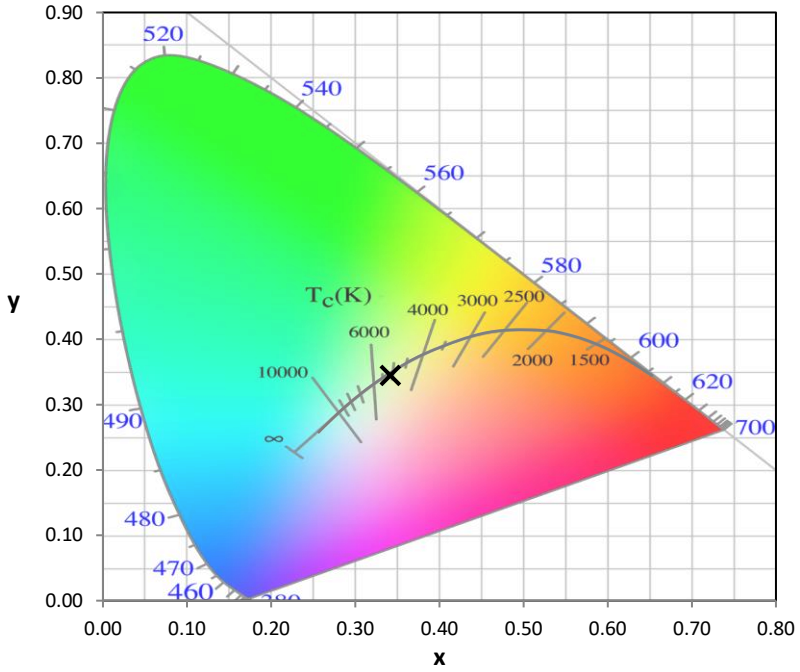
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-4

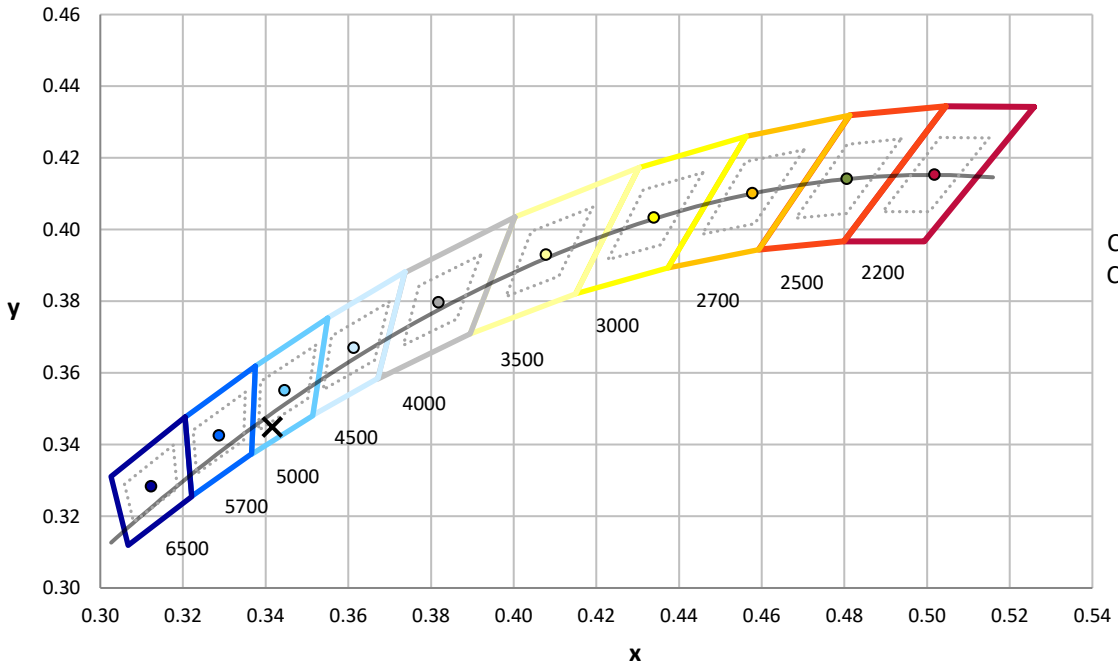
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-4

CIE 1931 Chromaticity Diagram



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

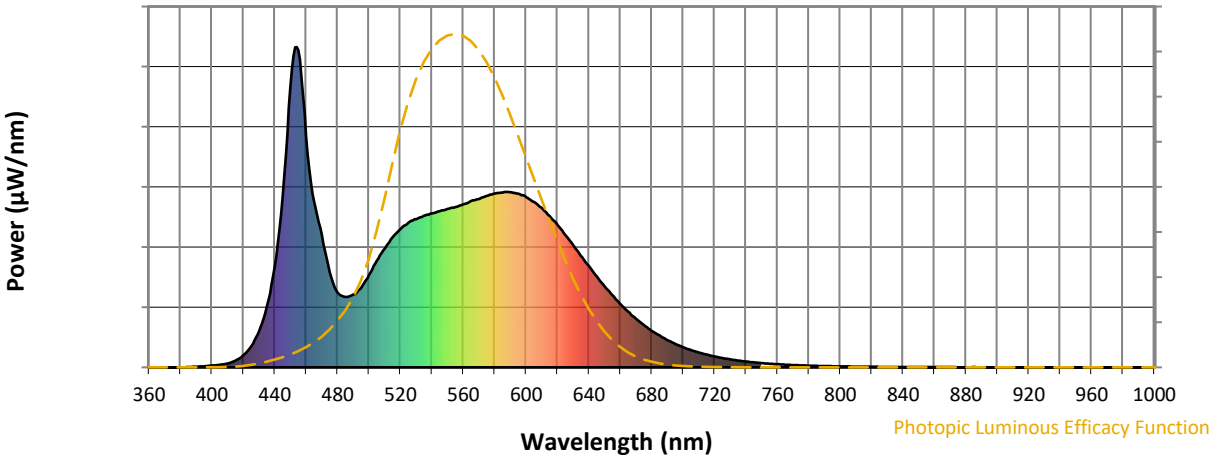


CCT = 5117K
CIE x = 0.3416
CIE y = 0.3449
Duv = -0.0020

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-4

Photopic Flux vs. Wavelength

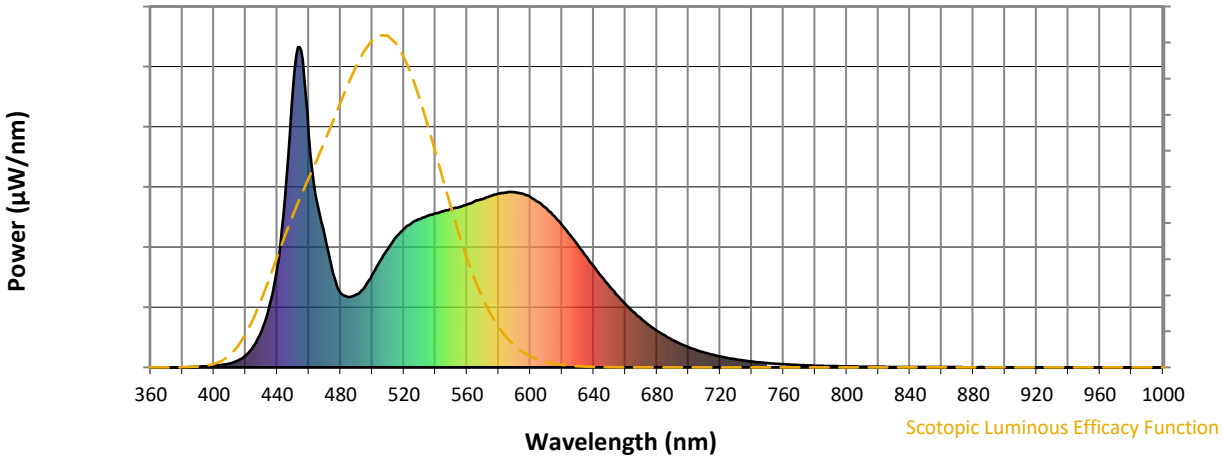


Photopic Lumens: NR

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	228	NR	620	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-4

Scotopic Flux vs. Wavelength

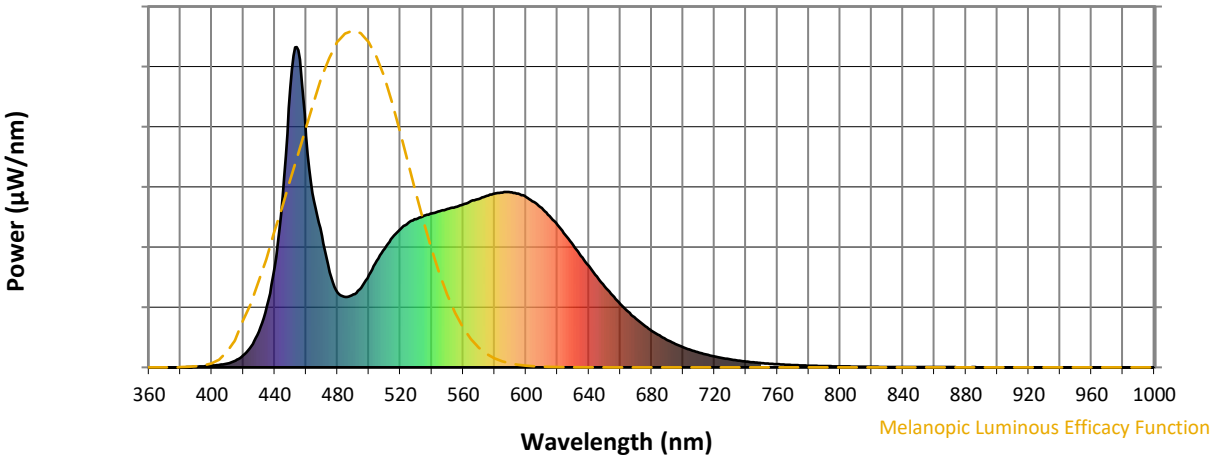


Scotopic Lumens: NR **S/P: 2**

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	228	NR	620	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.33**

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	228	NR	620	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

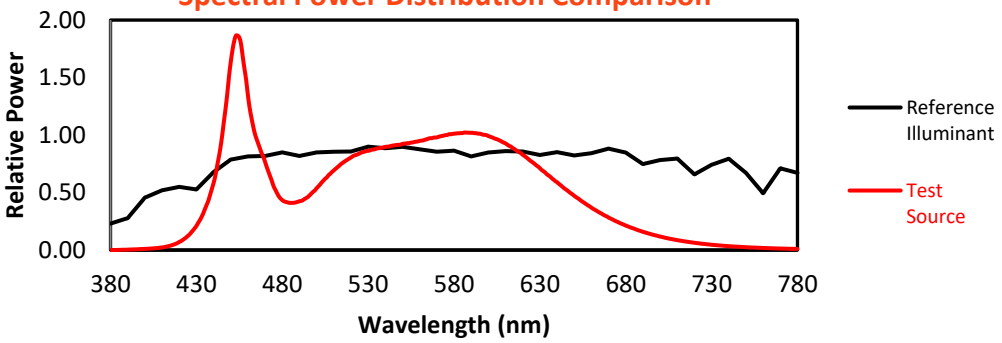
REPORT NUMBER: SP3-2602-684-4

TM-30-18

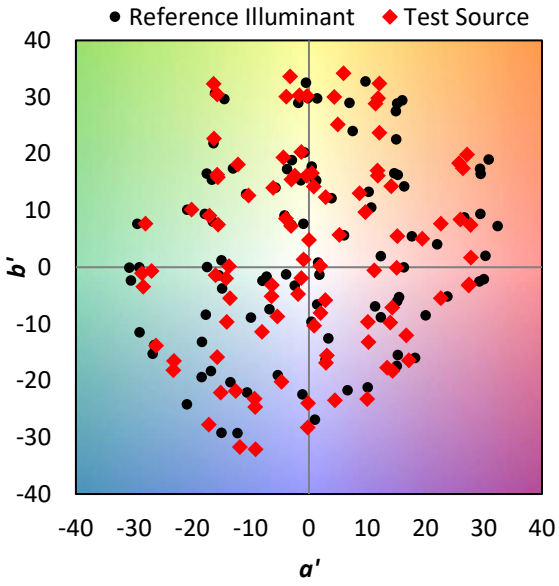
Summary

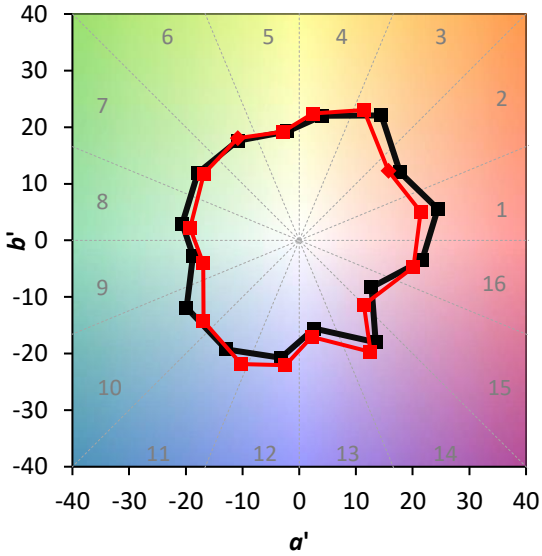
R_f = 83.2
R_g = 95.8
CIE R_a = 84.6
R_9 = 16.1

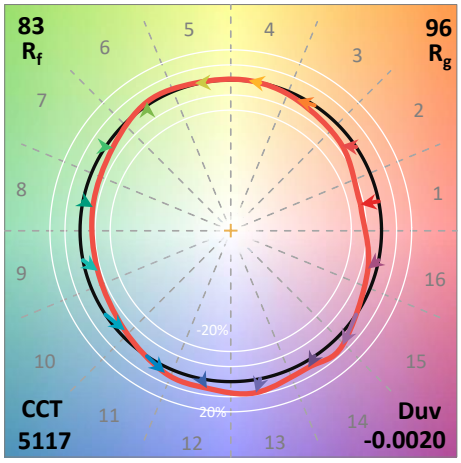
Spectral Power Distribution Comparison

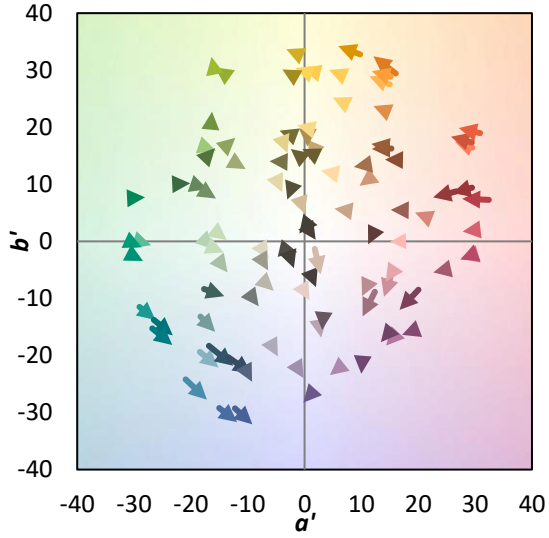


Color Vector Graphics







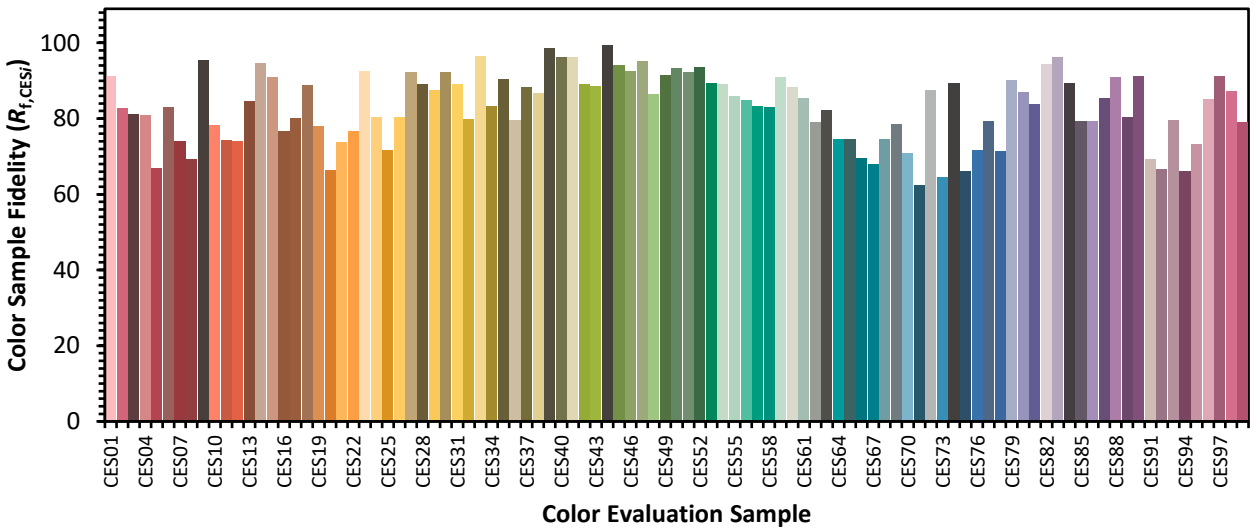


REPORT NUMBER: SP3-2602-684-4

TM-30-18

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

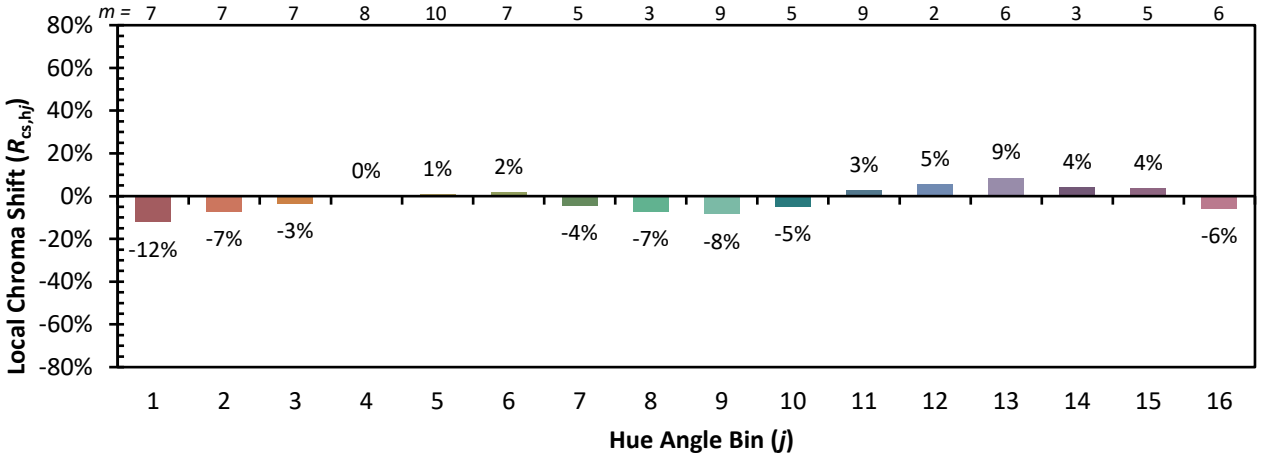
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 72
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 79
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 71
CES04 = 69	CES29 = 88	CES54 = 89	CES79 = 90
CES05 = 47	CES30 = 92	CES55 = 86	CES80 = 87
CES06 = 50	CES31 = 89	CES56 = 85	CES81 = 84
CES07 = 40	CES32 = 80	CES57 = 83	CES82 = 94
CES08 = 39	CES33 = 96	CES58 = 83	CES83 = 96
CES09 = 29	CES34 = 83	CES59 = 91	CES84 = 89
CES10 = 73	CES35 = 90	CES60 = 88	CES85 = 79
CES11 = 56	CES36 = 80	CES61 = 85	CES86 = 79
CES12 = 62	CES37 = 88	CES62 = 79	CES87 = 85
CES13 = 42	CES38 = 87	CES63 = 82	CES88 = 91
CES14 = 74	CES39 = 99	CES64 = 75	CES89 = 80
CES15 = 71	CES40 = 96	CES65 = 75	CES90 = 91
CES16 = 46	CES41 = 96	CES66 = 70	CES91 = 69
CES17 = 49	CES42 = 89	CES67 = 68	CES92 = 67
CES18 = 56	CES43 = 89	CES68 = 75	CES93 = 80
CES19 = 71	CES44 = 99	CES69 = 79	CES94 = 66
CES20 = 64	CES45 = 94	CES70 = 71	CES95 = 73
CES21 = 85	CES46 = 92	CES71 = 62	CES96 = 85
CES22 = 77	CES47 = 95	CES72 = 88	CES97 = 91
CES23 = 91	CES48 = 87	CES73 = 65	CES98 = 87
CES24 = 90	CES49 = 91	CES74 = 89	CES99 = 79
CES25 = 71	CES50 = 93	CES75 = 66	

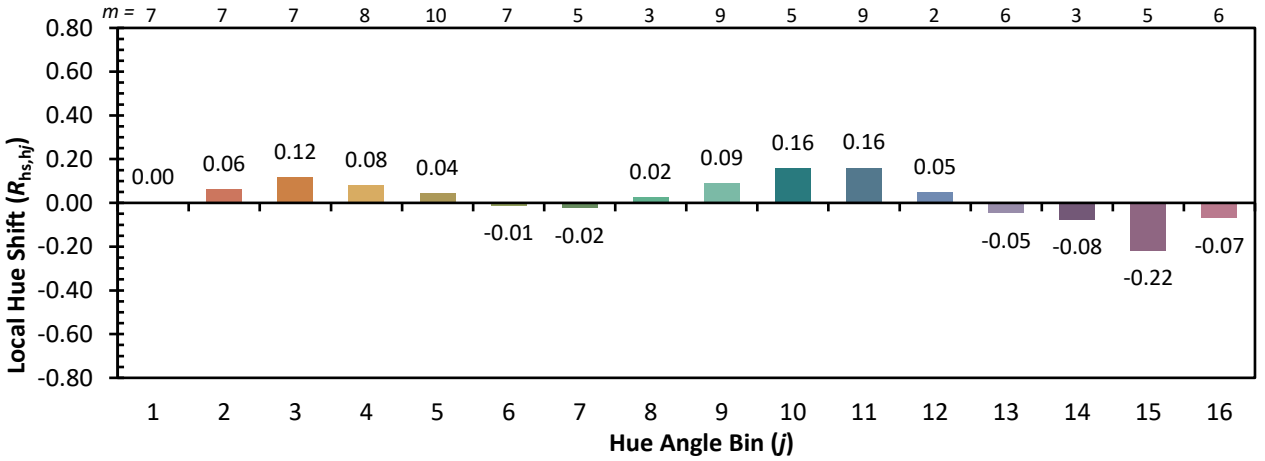


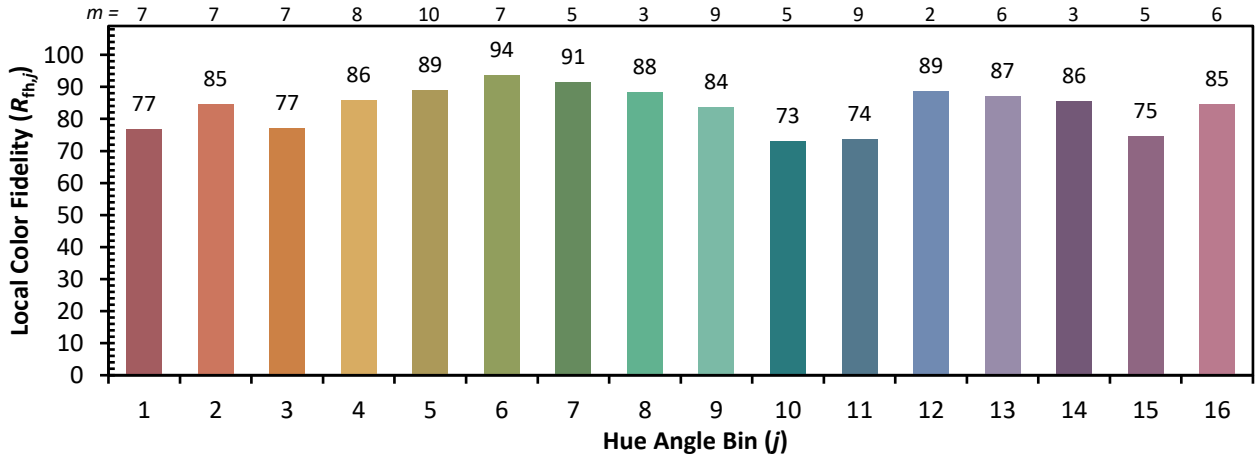
REPORT NUMBER: SP3-2602-684-4

TM-30-18

Color Rendition by Hue-Angle Bin



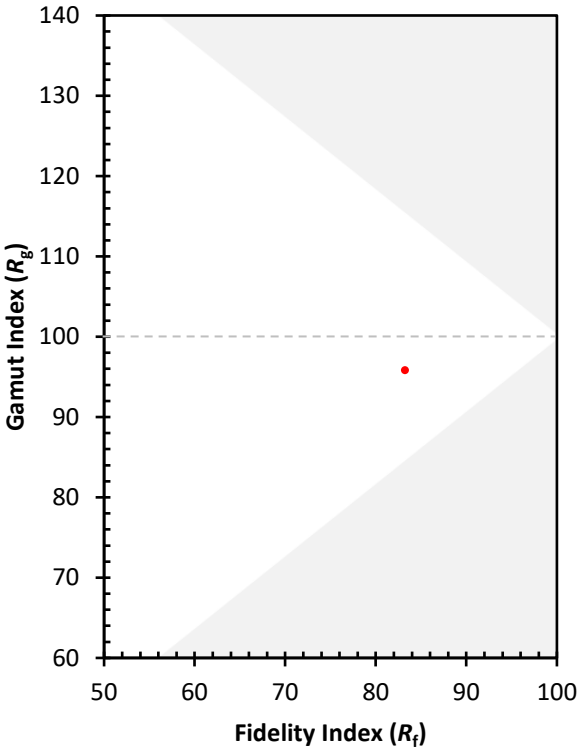


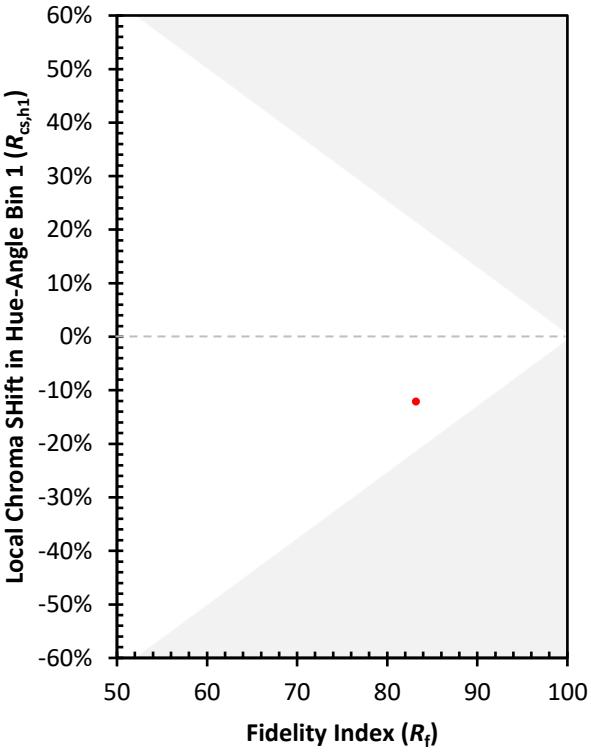


REPORT NUMBER: SP3-2602-684-4

TM-30-18

Measure Comparisons





(END OF REPORT)