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: P1594650

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

Issue Date: 10/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594650
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2601781A001)
Test Lab:	INNOVATION CENTER
Issue Date:	10/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	FLXB-4860-M-MED-4000K
Description:	4860 FlexBay Linear High bay at M beam, MED lumen, 4000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	54951.9 lumens
Efficiency:	N/A
Efficacy:	167.6 lumens/watt
Spacing Criteria (0/90/45):	1.35 / 1.11 / 1.24
Luminous Opening:	Rectangular (W 1.04' x L: 2.12' x H: 0')
CIE Type:	Direct

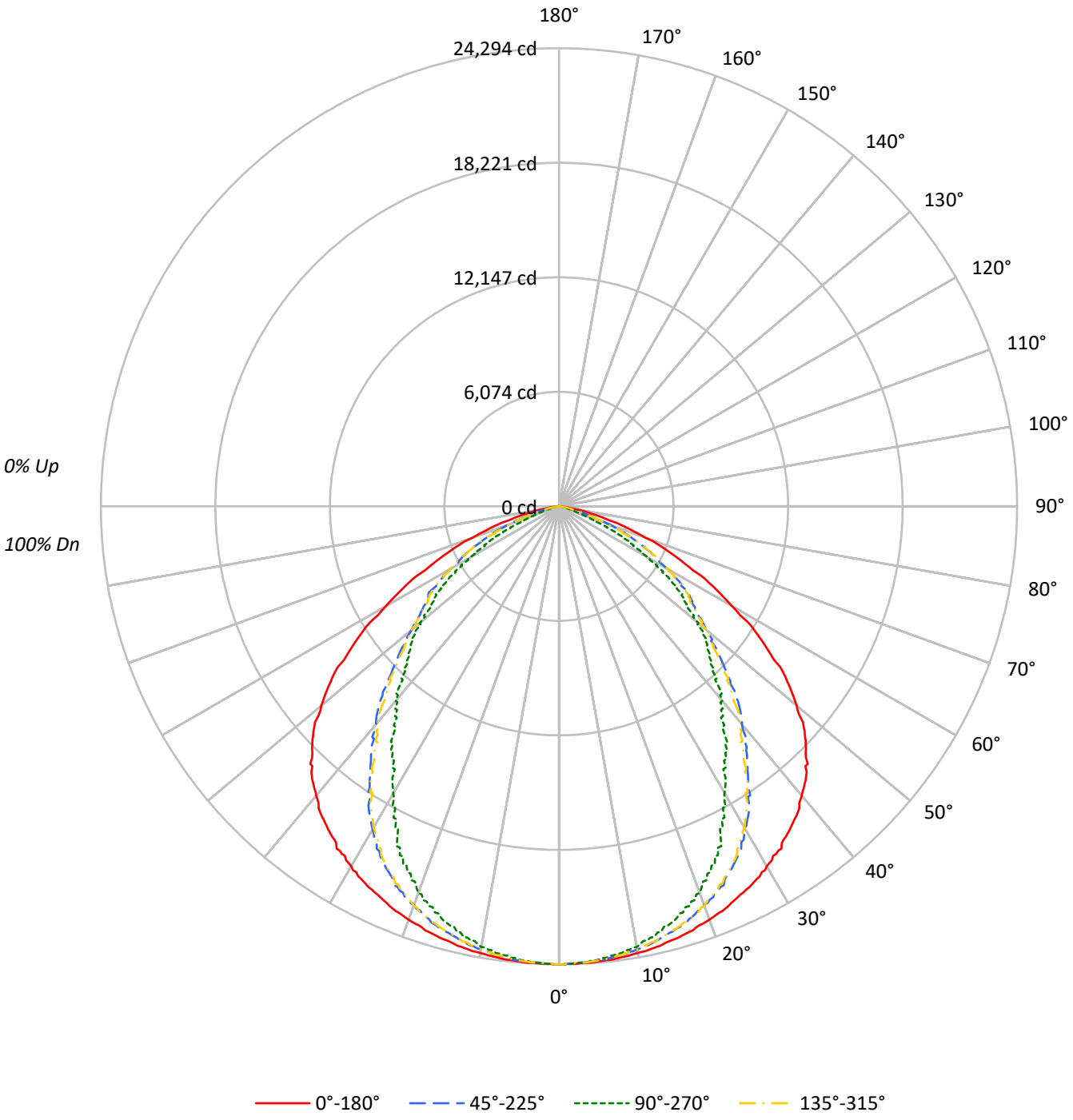
Input Watts (W):	327.8
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	89	83	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	118130	118130	118130	118130
5°	118273	117778	118273	117778
10°	118778	117192	118778	117192
15°	119608	115220	119608	115220
20°	120735	112968	120735	112968
25°	122030	107139	122030	107139
30°	123754	98661	123754	98661
35°	125590	91119	125590	91119
40°	127163	85510	127163	85510
45°	127248	77278	127248	77278
50°	124424	73027	124424	73027
55°	116210	64579	116210	64579
60°	103192	54161	103192	54161
65°	87531	37593	87531	37593
70°	69426	21632	69426	21632
75°	48709	9570	48709	9570
80°	26236	6071	26236	6071
85°	12548	4090	12548	4090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46.5°
Luminance: 127419 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2297.9	4.2
10°-20°	6578.0	12.0
20°-30°	9816.7	17.9
30°-40°	11046.2	20.1
40°-50°	10296.4	18.7
50°-60°	8193.0	14.9
60°-70°	4967.8	9.0
70°-80°	1558.0	2.8
80°-90°	164.8	0.3
90°-100°	2.0	0.0
100°-110°	1.0	0.0
110°-120°	2.7	0.0
120°-130°	4.6	0.0
130°-140°	5.9	0.0
140°-150°	6.3	0.0
150°-160°	5.6	0.0
160°-170°	3.9	0.0
170°-180°	1.4	0.0
0°-30°	18692.6	34.0
0°-40°	29738.7	54.1
0°-60°	48228.1	87.8
0°-90°	54918.7	99.9
90°-120°	5.7	0.0
90°-150°	22.4	0.0
90°-180°	33.0	0.1
0°-180°	54951.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	24294	24294	24294	24294	24294	
5°	24230	24129	24230	24129	24230	2308
15°	23759	22888	23759	22888	23759	6717
25°	22744	19969	22744	19969	22744	10510
35°	21157	15350	21157	15350	21157	13248
45°	18504	11238	18504	11238	18504	14260
55°	13708	7618	13708	7618	13708	12261
65°	7608	3267	7608	3267	7608	7665
75°	2593	509	2593	509	2593	2904
85°	225	73	225	73	225	326
90°	11	17	11	17	11	12
95°	1	1	1	1	1	1
105°	2	1	2	1	2	2
115°	4	2	4	2	4	4
125°	7	4	7	4	7	6
135°	9	6	9	6	9	7
145°	11	9	11	9	11	7
155°	13	12	13	12	13	6
165°	14	14	14	14	14	4
175°	14	15	14	15	14	1
180°	15	15	15	15	15	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6
0.5°	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6	24293.6
1°	24277.6	24314.8	24245.3	24274.5	24233.5	24277.6	24277.6	24314.8	24245.3	24274.5	24233.5
1.5°	24269.5	24295.6	24255.2	24274.5	24258.3	24277.6	24269.5	24295.6	24255.2	24274.5	24258.3
2°	24285.6	24288.7	24234.1	24232.8	24224.8	24275.1	24285.6	24288.7	24234.1	24232.8	24224.8
2.5°	24272.0	24288.7	24171.3	24232.8	24224.8	24265.1	24272.0	24288.7	24171.3	24232.8	24224.8
3°	24249.6	24270.1	24176.3	24232.8	24224.8	24249.6	24249.6	24270.1	24176.3	24232.8	24224.8
3.5°	24255.8	24271.4	24176.3	24232.8	24224.8	24249.6	24255.8	24271.4	24176.3	24232.8	24224.8
4°	24256.4	24254.0	24163.9	24167.0	24172.6	24231.6	24256.4	24254.0	24163.9	24167.0	24172.6
4.5°	24253.3	24226.0	24138.4	24167.0	24162.0	24231.6	24253.3	24226.0	24138.4	24167.0	24162.0
5°	24230.4	24227.2	24132.8	24129.1	24137.8	24198.7	24230.4	24227.2	24132.8	24129.1	24137.8
5.5°	24213.6	24229.1	24103.6	24074.4	24093.0	24165.7	24213.6	24229.1	24103.6	24074.4	24093.0
6°	24203.0	24193.7	24103.6	24074.4	24093.7	24165.7	24203.0	24193.7	24103.6	24074.4	24093.7
6.5°	24209.8	24163.3	24033.4	23990.5	24058.3	24132.2	24209.8	24163.3	24033.4	23990.5	24058.3
7°	24198.0	24161.4	23988.0	23990.5	24017.2	24132.2	24198.0	24161.4	23988.0	23990.5	24017.2
7.5°	24171.3	24119.1	23970.0	23937.7	23975.0	24084.3	24171.3	24119.1	23970.0	23937.7	23975.0
8°	24139.6	24119.1	23919.7	23937.7	23975.0	24084.3	24139.6	24119.1	23919.7	23937.7	23975.0
8.5°	24131.6	24073.8	23896.7	23817.8	23879.3	24043.3	24131.6	24073.8	23896.7	23817.8	23879.3
9°	24111.7	24032.2	23820.3	23817.8	23848.3	24043.3	24111.7	24032.2	23820.3	23817.8	23848.3
9.5°	24075.0	24014.8	23820.3	23734.6	23811.0	23971.9	24075.0	24014.8	23820.3	23734.6	23811.0
10°	24055.8	24006.7	23724.0	23734.6	23738.9	23971.9	24055.8	24006.7	23724.0	23734.6	23738.9
10.5°	24035.9	23957.6	23724.0	23617.2	23710.3	23914.7	24035.9	23957.6	23724.0	23617.2	23710.3
11°	24028.4	23904.8	23629.0	23487.9	23658.8	23843.9	24028.4	23904.8	23629.0	23487.9	23658.8
11.5°	23998.6	23889.9	23629.0	23487.9	23595.4	23843.9	23998.6	23889.9	23629.0	23487.9	23595.4
12°	23962.6	23863.2	23516.5	23382.3	23497.2	23771.2	23962.6	23863.2	23516.5	23382.3	23497.2
12.5°	23925.3	23814.7	23442.6	23382.3	23497.2	23771.2	23925.3	23814.7	23442.6	23382.3	23497.2
13°	23916.6	23737.1	23400.3	23198.4	23361.8	23697.9	23916.6	23737.1	23400.3	23198.4	23361.8
13.5°	23857.6	23681.8	23317.7	23198.4	23361.8	23697.9	23857.6	23681.8	23317.7	23198.4	23361.8
14°	23809.1	23644.5	23259.3	22982.8	23248.7	23599.1	23809.1	23644.5	23259.3	22982.8	23248.7
14.5°	23786.8	23615.9	23122.6	22982.8	23154.3	23599.1	23786.8	23615.9	23122.6	22982.8	23154.3
15°	23759.4	23556.3	23122.6	22887.8	23099.0	23501.6	23759.4	23556.3	23122.6	22887.8	23099.0
15.5°	23734.0	23492.3	22983.5	22821.3	23035.6	23441.3	23734.0	23492.3	22983.5	22821.3	23035.6
16°	23688.6	23460.6	22983.5	22705.7	22946.8	23400.3	23688.6	23460.6	22983.5	22705.7	22946.8
16.5°	23645.1	23425.8	22828.1	22523.1	22853.0	23290.4	23645.1	23425.8	22828.1	22523.1	22853.0
17°	23601.0	23357.5	22828.1	22523.1	22793.3	23290.4	23601.0	23357.5	22828.1	22523.1	22793.3
17.5°	23584.2	23248.1	22653.6	22293.8	22603.2	23184.1	23584.2	23248.1	22653.6	22293.8	22603.2
18°	23495.4	23248.1	22547.9	22293.8	22603.2	23184.1	23495.4	23248.1	22547.9	22293.8	22603.2
18.5°	23438.8	23126.3	22465.9	22098.1	22429.9	23056.1	23438.8	23126.3	22465.9	22098.1	22429.9
19°	23410.3	23075.4	22269.0	22098.1	22429.9	23056.1	23410.3	23075.4	22269.0	22098.1	22429.9
19.5°	23373.6	23005.2	22269.0	21831.0	22217.4	22936.2	23373.6	23005.2	22269.0	21831.0	22217.4
20°	23332.0	22921.3	22071.4	21831.0	22128.6	22936.2	23332.0	22921.3	22071.4	21831.0	22128.6
20.5°	23271.1	22869.1	22071.4	21589.3	22016.8	22785.3	23271.1	22869.1	22071.4	21589.3	22016.8
21°	23221.4	22819.4	21860.8	21314.1	21881.3	22640.5	23221.4	22819.4	21860.8	21314.1	21881.3
21.5°	23172.9	22733.1	21860.8	21314.1	21784.4	22640.5	23172.9	22733.1	21860.8	21314.1	21784.4
22°	23140.6	22647.3	21537.1	21004.7	21517.2	22488.9	23140.6	22647.3	21537.1	21004.7	21517.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	23089.7	22588.9	21537.1	21004.7	21517.2	22488.9	23089.7	22588.9	21537.1	21004.7	21517.2
23°	23026.9	22426.8	21423.4	20709.6	21274.3	22313.1	23026.9	22426.8	21423.4	20709.6	21274.3
23.5°	22924.4	22426.8	21423.4	20709.6	21274.3	22313.1	22924.4	22426.8	21423.4	20709.6	21274.3
24°	22876.0	22264.6	20996.6	20333.7	20964.3	22142.9	22876.0	22264.6	20996.6	20333.7	20964.3
24.5°	22817.6	22160.3	20864.9	20333.7	20823.9	22142.9	22817.6	22160.3	20864.9	20333.7	20823.9
25°	22744.3	22080.1	20697.2	19969.0	20672.3	21940.9	22744.3	22080.1	20697.2	19969.0	20672.3
25.5°	22689.6	22003.7	20554.3	19969.0	20490.9	21940.9	22689.6	22003.7	20554.3	19969.0	20490.9
26°	22631.8	21894.4	20368.5	19558.4	20331.2	21747.7	22631.8	21894.4	20368.5	19558.4	20331.2
26.5°	22584.0	21778.8	20218.2	19133.4	20167.2	21657.0	22584.0	21778.8	20218.2	19133.4	20167.2
27°	22517.5	21696.8	20032.4	19133.4	19981.4	21535.9	22517.5	21696.8	20032.4	19133.4	19981.4
27.5°	22444.2	21599.9	19664.0	18698.5	19623.6	21312.2	22444.2	21599.9	19664.0	18698.5	19623.6
28°	22368.4	21483.1	19664.0	18698.5	19623.6	21312.2	22368.4	21483.1	19664.0	18698.5	19623.6
28.5°	22323.7	21264.4	19274.4	18209.6	19197.4	21077.4	22323.7	21264.4	19274.4	18209.6	19197.4
29°	22186.4	21133.9	19274.4	18209.6	19197.4	21077.4	22186.4	21133.9	19274.4	18209.6	19197.4
29.5°	22186.4	21020.8	18852.6	17779.6	18790.5	20805.9	22186.4	21020.8	18852.6	17779.6	18790.5
30°	22040.4	20905.9	18644.5	17571.5	18564.9	20805.9	22040.4	20905.9	18644.5	17571.5	18564.9
30.5°	21970.8	20772.3	18400.3	17358.4	18314.6	20536.3	21970.8	20772.3	18400.3	17358.4	18314.6
31°	21907.4	20615.1	18167.9	17157.8	18101.5	20359.8	21907.4	20615.1	18167.9	17157.8	18101.5
31.5°	21737.8	20498.4	17915.7	16903.0	17810.7	20234.9	21737.8	20498.4	17915.7	16903.0	17810.7
32°	21737.8	20361.7	17666.6	16444.5	17559.1	19921.8	21737.8	20361.7	17666.6	16444.5	17559.1
32.5°	21653.3	20210.1	17393.2	16444.5	17274.6	19921.8	21653.3	20210.1	17393.2	16444.5	17274.6
33°	21653.3	19908.1	16855.8	16078.0	16701.1	19567.1	21653.3	19908.1	16855.8	16078.0	16701.1
33.5°	21416.0	19908.1	16855.8	16078.0	16701.1	19567.1	21416.0	19908.1	16855.8	16078.0	16701.1
34°	21314.7	19572.0	16314.7	15771.7	16176.1	19185.0	21314.7	19572.0	16314.7	15771.7	16176.1
34.5°	21243.9	19401.8	16027.0	15771.7	16176.1	19185.0	21243.9	19401.8	16027.0	15771.7	16176.1
35°	21156.9	19216.7	15753.7	15349.8	15635.0	18785.5	21156.9	19216.7	15753.7	15349.8	15635.0
35.5°	21068.7	18985.5	15471.0	15349.8	15398.3	18785.5	21068.7	18985.5	15471.0	15349.8	15398.3
36°	20959.3	18819.7	15205.1	14944.2	15116.2	18322.6	20959.3	18819.7	15205.1	14944.2	15116.2
36.5°	20863.7	18599.7	14931.1	14561.4	14890.7	17837.4	20863.7	18599.7	14931.1	14561.4	14890.7
37°	20763.6	18395.3	14738.5	14561.4	14677.0	17837.4	20763.6	18395.3	14738.5	14561.4	14677.0
37.5°	20683.5	18126.3	14518.0	14120.3	14312.9	17292.6	20683.5	18126.3	14518.0	14120.3	14312.9
38°	20575.4	17930.6	14383.8	14120.3	14312.9	17292.6	20575.4	17930.6	14383.8	14120.3	14312.9
38.5°	20464.2	17418.1	14078.1	13801.6	14158.2	16730.9	20464.2	17418.1	14078.1	13801.6	14158.2
39°	20255.4	17418.1	14078.1	13801.6	14007.9	16730.9	20255.4	17418.1	14078.1	13801.6	14007.9
39.5°	20140.5	16860.8	13776.8	13471.1	13848.8	16151.9	20140.5	16860.8	13776.8	13471.1	13848.8
40°	20033.0	16521.6	13650.7	13471.1	13802.2	16151.9	20033.0	16521.6	13650.7	13471.1	13802.2
40.5°	19892.6	16262.5	13615.9	13156.1	13694.2	15546.8	19892.6	16262.5	13615.9	13156.1	13694.2
41°	19785.7	15938.2	13537.0	13156.1	13519.6	15546.8	19785.7	15938.2	13537.0	13156.1	13519.6
41.5°	19654.0	15633.1	13418.9	12795.8	13426.4	14945.4	19654.0	15633.1	13418.9	12795.8	13426.4
42°	19547.8	15267.8	13331.9	12379.5	13265.5	14367.6	19547.8	15267.8	13331.9	12379.5	13265.5
42.5°	19401.2	14956.0	13163.0	12379.5	13107.7	14367.6	19401.2	14956.0	13163.0	12379.5	13107.7
43°	19265.1	14623.0	12836.2	11962.0	12775.9	13799.1	19265.1	14623.0	12836.2	11962.0	12775.9
43.5°	18991.8	14288.1	12836.2	11962.0	12775.9	13799.1	18991.8	14288.1	12836.2	11962.0	12775.9
44°	18991.8	13682.3	12487.6	11534.6	12379.5	13256.1	18991.8	13682.3	12487.6	11534.6	12379.5
44.5°	18686.7	13397.2	12487.6	11534.6	12379.5	13256.1	18686.7	13397.2	12487.6	11534.6	12379.5

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	18504.1	13101.5	12111.1	11237.6	11949.6	12722.5	18504.1	13101.5	12111.1	11237.6	11949.6
45.5°	18366.1	12848.0	11906.7	11237.6	11756.4	12722.5	18366.1	12848.0	11906.7	11237.6	11756.4
46°	18186.6	12539.8	11709.8	10974.2	11558.8	12221.7	18186.6	12539.8	11709.8	10974.2	11558.8
46.5°	18037.5	12297.5	11504.8	10800.2	11378.7	12031.0	18037.5	12297.5	11504.8	10800.2	11378.7
47°	17833.7	11991.9	11309.7	10762.4	11183.0	11721.6	17833.7	11991.9	11309.7	10762.4	11183.0
47.5°	17659.7	11768.8	11113.4	10520.7	10986.6	11246.9	17659.7	11768.8	11113.4	10520.7	10986.6
48°	17447.9	11459.4	10907.1	10520.7	10809.6	11246.9	17447.9	11459.4	10907.1	10520.7	10809.6
48.5°	17288.8	10997.8	10526.9	10108.8	10439.9	10826.3	17288.8	10997.8	10526.9	10108.8	10439.9
49°	16874.5	10997.8	10526.9	10108.8	10439.9	10826.3	16874.5	10997.8	10526.9	10108.8	10439.9
49.5°	16635.9	10589.0	10354.8	9653.4	10078.3	10453.0	16635.9	10589.0	10354.8	9653.4	10078.3
50°	16447.6	10426.9	9992.6	9653.4	10078.3	10453.0	16447.6	10426.9	9992.6	9653.4	10078.3
50.5°	16209.1	10211.9	9790.1	9209.8	9434.7	10105.0	16209.1	10211.9	9790.1	9209.8	9434.7
51°	15996.6	10042.9	9600.6	9209.8	9434.7	10105.0	15996.6	10042.9	9600.6	9209.8	9434.7
51.5°	15736.9	9855.3	9381.9	8826.5	9212.3	9750.3	15736.9	9855.3	9381.9	8826.5	9212.3
52°	15515.1	9524.8	9157.0	8541.3	9212.3	9420.4	15515.1	9524.8	9157.0	8541.3	9212.3
52.5°	15255.4	9524.8	8938.9	8541.3	9023.4	9420.4	15255.4	9524.8	8938.9	8541.3	9023.4
53°	15034.9	9367.0	8731.4	8290.9	8437.5	9125.3	15034.9	9367.0	8731.4	8290.9	8437.5
53.5°	14764.0	9367.0	8534.5	8290.9	8437.5	9125.3	14764.0	9367.0	8534.5	8290.9	8437.5
54°	14509.3	9218.5	8187.2	8033.1	8236.9	8886.7	14509.3	9218.5	8187.2	8033.1	8236.9
54.5°	13984.9	9218.5	8187.2	8033.1	8236.9	8886.7	13984.9	9218.5	8187.2	8033.1	8236.9
55°	13707.8	9070.6	7977.8	7617.5	8107.0	8671.1	13707.8	9070.6	7977.8	7617.5	8107.0
55.5°	13441.3	8929.0	7873.4	7617.5	8036.2	8671.1	13441.3	8929.0	7873.4	7617.5	8036.2
56°	13151.8	8929.0	7794.5	7267.1	7925.0	8395.3	13151.8	8929.0	7794.5	7267.1	7925.0
56.5°	12880.9	8832.0	7716.2	7060.8	7765.9	8254.9	12880.9	8832.0	7716.2	7060.8	7765.9
57°	12598.2	8005.1	7511.2	6902.4	7590.1	8103.9	12598.2	8005.1	7511.2	6902.4	7590.1
57.5°	12329.8	7909.5	7430.5	6499.8	7459.0	7808.2	12329.8	7909.5	7430.5	6499.8	7459.0
58°	12040.9	7752.3	7300.0	6499.8	7180.7	7808.2	12040.9	7752.3	7300.0	6499.8	7180.7
58.5°	11750.8	7628.6	6847.1	6051.8	6681.8	7582.0	11750.8	7628.6	6847.1	6051.8	6681.8
59°	11186.7	7465.2	6847.1	6051.8	6681.8	7582.0	11186.7	7465.2	6847.1	6051.8	6681.8
59.5°	10905.9	7182.6	6337.6	5569.1	6100.3	7311.8	10905.9	7182.6	6337.6	5569.1	6100.3
60°	10610.8	7051.5	6337.6	5569.1	6100.3	7311.8	10610.8	7051.5	6337.6	5569.1	6100.3
60.5°	10328.1	6895.5	5851.2	5127.4	5685.9	7006.1	10328.1	6895.5	5851.2	5127.4	5685.9
61°	10044.8	6589.2	5600.8	5127.4	5550.5	7006.1	10044.8	6589.2	5600.8	5127.4	5550.5
61.5°	9777.0	6589.2	5492.1	4773.3	5550.5	6765.1	9777.0	6589.2	5492.1	4773.3	5550.5
62°	9490.0	6461.9	5259.7	4458.9	5346.7	6517.8	9490.0	6461.9	5259.7	4458.9	5346.7
62.5°	9222.8	6461.9	5080.2	4458.9	5346.7	6517.8	9222.8	6461.9	5080.2	4458.9	5346.7
63°	8931.5	6162.4	4913.0	4127.8	4743.4	6191.6	8931.5	6162.4	4913.0	4127.8	4743.4
63.5°	8671.8	6162.4	4580.0	4127.8	4561.4	6191.6	8671.8	6162.4	4580.0	4127.8	4561.4
64°	8399.0	5893.4	4355.8	3733.2	4412.3	5879.1	8399.0	5893.4	4355.8	3733.2	4412.3
64.5°	7862.2	5776.0	4355.8	3733.2	4238.3	5879.1	7862.2	5776.0	4355.8	3733.2	4238.3
65°	7607.5	5602.7	3920.2	3267.3	4050.1	5551.1	7607.5	5602.7	3920.2	3267.3	4050.1
65.5°	7343.5	5324.9	3743.2	3267.3	3860.6	5551.1	7343.5	5324.9	3743.2	3267.3	3860.6
66°	7099.9	5324.9	3569.8	2806.9	3620.8	5241.1	7099.9	5324.9	3569.8	2806.9	3620.8
66.5°	6837.1	4977.7	3395.3	2806.9	3194.6	5241.1	6837.1	4977.7	3395.3	2806.9	3194.6
67°	6593.0	4977.7	3180.3	2428.6	3194.6	4908.1	6593.0	4977.7	3180.3	2428.6	3194.6

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	6332.7	4668.9	2990.2	2119.8	2791.4	4533.4	6332.7	4668.9	2990.2	2119.8	2791.4
68°	6097.8	4668.9	2806.3	2119.8	2791.4	4533.4	6097.8	4668.9	2806.3	2119.8	2791.4
68.5°	5845.6	4354.5	2581.4	1819.1	2437.3	4110.4	5845.6	4354.5	2581.4	1819.1	2437.3
69°	5615.1	4204.8	2426.7	1819.1	2214.2	4110.4	5615.1	4204.8	2426.7	1819.1	2214.2
69.5°	5356.0	4027.7	2086.2	1521.5	2033.4	3728.9	5356.0	4027.7	2086.2	1521.5	2033.4
70°	4883.2	3862.5	2086.2	1521.5	1834.0	3728.9	4883.2	3862.5	2086.2	1521.5	1834.0
70.5°	4665.8	3664.3	1773.1	1265.5	1660.7	3413.3	4665.8	3664.3	1773.1	1265.5	1660.7
71°	4421.0	3279.1	1565.6	1265.5	1340.1	3413.3	4421.0	3279.1	1565.6	1265.5	1340.1
71.5°	4211.0	3279.1	1479.3	1069.2	1340.1	3082.1	4211.0	3279.1	1479.3	1069.2	1340.1
72°	3979.3	2903.2	1281.1	949.9	1080.4	2758.5	3979.3	2903.2	1281.1	949.9	1080.4
72.5°	3782.3	2903.2	1209.0	918.9	1080.4	2758.5	3782.3	2903.2	1209.0	918.9	1080.4
73°	3557.4	2546.0	1048.1	787.2	925.7	2628.6	3557.4	2546.0	1048.1	787.2	925.7
73.5°	3365.4	2546.0	983.5	787.2	855.5	2313.6	3365.4	2546.0	983.5	787.2	855.5
74°	3143.0	2198.1	803.9	649.2	785.3	2188.8	3143.0	2198.1	803.9	649.2	785.3
74.5°	2759.1	1997.4	803.9	649.2	708.3	1976.9	2759.1	1997.4	803.9	649.2	708.3
75°	2592.6	1853.9	690.9	509.4	636.2	1847.7	2592.6	1853.9	690.9	509.4	636.2
75.5°	2391.3	1560.0	690.9	509.4	589.6	1641.4	2391.3	1560.0	690.9	509.4	589.6
76°	2235.3	1560.0	586.5	398.2	538.0	1537.0	2235.3	1560.0	586.5	398.2	538.0
76.5°	2044.6	1299.1	508.8	398.2	428.1	1352.5	2044.6	1299.1	508.8	398.2	428.1
77°	1905.5	1299.1	466.6	344.2	428.1	1284.2	1905.5	1299.1	466.6	344.2	428.1
77.5°	1727.1	1048.7	415.6	312.5	393.9	1076.0	1727.1	1048.7	415.6	312.5	393.9
78°	1601.0	923.2	377.7	312.5	347.9	937.5	1601.0	923.2	377.7	312.5	347.9
78.5°	1432.7	804.6	341.7	260.3	347.9	904.6	1432.7	804.6	341.7	260.3	347.9
79°	1325.2	804.6	324.3	260.3	302.6	767.9	1325.2	804.6	324.3	260.3	302.6
79.5°	1169.2	598.3	281.4	216.8	260.3	744.3	1169.2	598.3	281.4	216.8	260.3
80°	936.9	498.9	281.4	216.8	196.3	615.1	936.9	498.9	281.4	216.8	196.3
80.5°	863.0	441.1	222.4	174.6	177.7	466.0	863.0	441.1	222.4	174.6	177.7
81°	736.2	329.9	177.1	174.6	170.2	466.0	736.2	329.9	177.1	174.6	170.2
81.5°	677.8	329.9	166.5	146.0	163.4	447.9	677.8	329.9	166.5	146.0	163.4
82°	564.7	257.8	144.8	146.0	136.1	343.6	564.7	257.8	144.8	146.0	136.1
82.5°	518.8	257.8	137.3	127.4	136.1	327.4	518.8	257.8	137.3	127.4	136.1
83°	423.7	199.4	128.0	103.8	109.3	242.9	423.7	199.4	128.0	103.8	109.3
83.5°	390.2	199.4	116.8	103.8	109.3	192.6	390.2	199.4	116.8	103.8	109.3
84°	312.5	150.3	103.8	85.1	93.8	182.0	312.5	150.3	103.8	85.1	93.8
84.5°	288.3	125.5	89.5	85.1	85.1	147.9	288.3	125.5	89.5	85.1	85.1
85°	224.9	109.3	70.2	73.3	75.8	138.5	224.9	109.3	70.2	73.3	75.8
85.5°	158.4	91.9	70.2	73.3	61.5	114.3	158.4	91.9	70.2	73.3	61.5
86°	145.4	77.0	58.4	60.9	44.7	111.2	145.4	77.0	58.4	60.9	44.7
86.5°	108.7	50.3	50.3	60.9	29.2	86.4	108.7	50.3	50.3	60.9	29.2
87°	92.6	50.3	44.7	45.4	29.2	82.0	92.6	50.3	44.7	45.4	29.2
87.5°	66.5	26.7	30.4	29.2	25.5	62.1	66.5	26.7	30.4	29.2	25.5
88°	55.9	26.7	26.7	27.3	25.5	45.4	55.9	26.7	26.7	27.3	25.5
88.5°	37.3	13.7	14.3	18.0	16.2	45.4	37.3	13.7	14.3	18.0	16.2
89°	37.3	13.7	9.9	18.0	9.9	32.9	37.3	13.7	9.9	18.0	9.9
89.5°	23.6	5.6	9.9	16.8	4.3	32.9	23.6	5.6	9.9	16.8	4.3

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TEST NUMBER: P1594650
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	11.2	1.2	9.9	16.8	1.9	19.3	11.2	1.2	9.9	16.8	1.9
90.5°	11.2	1.2	9.9	12.4	0.6	19.3	11.2	1.2	9.9	12.4	0.6
91°	2.5	1.2	9.9	12.4	0.6	9.3	2.5	1.2	9.9	12.4	0.6
91.5°	2.5	1.2	3.1	6.2	0.6	9.3	2.5	1.2	3.1	6.2	0.6
92°	0.6	0.6	0.6	6.2	0.6	6.2	0.6	0.6	0.6	6.2	0.6
92.5°	0.6	0.6	0.6	1.9	0.6	6.2	0.6	0.6	0.6	1.9	0.6
93°	0.6	0.6	0.6	1.2	0.6	1.2	0.6	0.6	0.6	1.2	0.6
93.5°	0.6	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	1.2	0.6
94°	0.6	0.6	0.6	1.2	0.0	0.6	0.6	0.6	0.6	1.2	0.0
94.5°	0.6	0.6	0.6	1.2	0.0	0.6	0.6	0.6	0.6	1.2	0.0
95°	0.6	0.6	0.6	1.2	0.0	0.6	0.6	0.6	0.6	1.2	0.0
95.5°	0.6	0.6	0.6	1.2	0.0	0.6	0.6	0.6	0.6	1.2	0.0
96°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
96.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
97°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
97.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
98°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
98.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
99°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
99.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
100°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
100.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
101°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
101.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
102°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
102.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
103°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
103.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
104°	1.2	0.6	0.6	0.6	0.0	0.6	1.2	0.6	0.6	0.6	0.0
104.5°	1.2	0.6	0.6	0.6	0.6	0.6	1.2	0.6	0.6	0.6	0.6
105°	1.9	1.2	1.2	0.6	0.6	0.6	1.9	1.2	1.2	0.6	0.6
105.5°	1.9	1.9	1.2	0.6	0.6	0.6	1.9	1.9	1.2	0.6	0.6
106°	1.9	1.9	0.6	0.6	0.6	1.2	1.9	1.9	0.6	0.6	0.6
106.5°	1.9	1.9	0.6	0.6	0.6	1.2	1.9	1.9	0.6	0.6	0.6
107°	1.9	1.9	1.2	0.6	0.6	1.2	1.9	1.9	1.2	0.6	0.6
107.5°	1.9	1.9	1.2	0.6	1.2	1.2	1.9	1.9	1.2	0.6	1.2
108°	2.5	1.9	1.2	0.6	1.2	1.2	2.5	1.9	1.2	0.6	1.2
108.5°	2.5	1.9	1.2	1.2	1.2	1.9	2.5	1.9	1.2	1.2	1.2
109°	2.5	1.9	1.2	1.2	1.2	1.9	2.5	1.9	1.2	1.2	1.2
109.5°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
110°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
110.5°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
111°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
111.5°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
112°	3.1	2.5	1.2	1.2	1.2	1.9	3.1	2.5	1.2	1.2	1.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	3.1	2.5	1.9	1.2	1.2	2.5	3.1	2.5	1.9	1.2	1.2
113°	3.1	3.1	1.9	1.2	1.2	2.5	3.1	3.1	1.9	1.2	1.2
113.5°	3.1	3.1	1.9	1.2	1.2	2.5	3.1	3.1	1.9	1.2	1.2
114°	3.7	3.1	1.9	2.5	1.9	2.5	3.7	3.1	1.9	2.5	1.9
114.5°	3.7	3.1	2.5	2.5	1.9	2.5	3.7	3.1	2.5	2.5	1.9
115°	4.3	3.1	2.5	2.5	1.9	2.5	4.3	3.1	2.5	2.5	1.9
115.5°	4.3	3.1	2.5	2.5	2.5	2.5	4.3	3.1	2.5	2.5	2.5
116°	4.3	3.1	2.5	2.5	2.5	3.1	4.3	3.1	2.5	2.5	2.5
116.5°	4.3	3.7	2.5	2.5	2.5	3.1	4.3	3.7	2.5	2.5	2.5
117°	4.3	3.7	3.1	2.5	2.5	3.7	4.3	3.7	3.1	2.5	2.5
117.5°	4.3	3.7	3.1	2.5	2.5	3.7	4.3	3.7	3.1	2.5	2.5
118°	5.0	3.7	3.1	2.5	2.5	3.7	5.0	3.7	3.1	2.5	2.5
118.5°	5.0	4.3	3.1	2.5	2.5	3.7	5.0	4.3	3.1	2.5	2.5
119°	5.0	4.3	3.1	2.5	2.5	3.7	5.0	4.3	3.1	2.5	2.5
119.5°	5.6	4.3	3.1	2.5	3.1	3.7	5.6	4.3	3.1	2.5	3.1
120°	5.6	4.3	3.1	3.7	3.1	3.7	5.6	4.3	3.1	3.7	3.1
120.5°	5.6	4.3	3.1	3.7	3.1	3.7	5.6	4.3	3.1	3.7	3.1
121°	5.6	4.3	3.7	3.7	3.1	3.7	5.6	4.3	3.7	3.7	3.1
121.5°	6.2	4.3	3.7	3.7	3.1	4.3	6.2	4.3	3.7	3.7	3.1
122°	6.2	5.6	3.7	3.7	3.7	4.3	6.2	5.6	3.7	3.7	3.7
122.5°	5.6	5.6	4.3	3.7	3.7	5.0	5.6	5.6	4.3	3.7	3.7
123°	5.6	5.6	4.3	3.7	3.7	5.0	5.6	5.6	4.3	3.7	3.7
123.5°	6.2	5.6	4.3	3.7	3.7	5.0	6.2	5.6	4.3	3.7	3.7
124°	6.2	5.6	4.3	3.7	4.3	5.0	6.2	5.6	4.3	3.7	4.3
124.5°	6.2	5.6	4.3	3.7	4.3	5.0	6.2	5.6	4.3	3.7	4.3
125°	6.8	5.6	4.3	3.7	4.3	5.0	6.8	5.6	4.3	3.7	4.3
125.5°	6.8	5.6	4.3	4.3	4.3	5.0	6.8	5.6	4.3	4.3	4.3
126°	6.8	6.2	5.0	4.3	4.3	6.2	6.8	6.2	5.0	4.3	4.3
126.5°	6.8	6.2	5.0	5.0	4.3	6.2	6.8	6.2	5.0	5.0	4.3
127°	6.8	6.2	5.6	5.0	4.3	6.2	6.8	6.2	5.6	5.0	4.3
127.5°	6.8	6.8	5.6	5.0	5.0	6.2	6.8	6.8	5.6	5.0	5.0
128°	7.5	6.8	5.6	5.0	5.0	6.2	7.5	6.8	5.6	5.0	5.0
128.5°	7.5	6.8	5.6	5.0	5.6	6.2	7.5	6.8	5.6	5.0	5.6
129°	7.5	6.8	5.6	5.0	5.6	6.2	7.5	6.8	5.6	5.0	5.6
129.5°	8.1	6.8	5.6	5.0	5.6	6.8	8.1	6.8	5.6	5.0	5.6
130°	8.1	6.8	5.6	5.0	5.6	6.8	8.1	6.8	5.6	5.0	5.6
130.5°	8.1	7.5	5.6	5.0	5.6	6.8	8.1	7.5	5.6	5.0	5.6
131°	8.1	7.5	5.6	6.2	5.6	6.8	8.1	7.5	5.6	6.2	5.6
131.5°	8.1	7.5	5.6	6.2	5.6	7.5	8.1	7.5	5.6	6.2	5.6
132°	8.1	8.1	6.2	6.2	6.2	7.5	8.1	8.1	6.2	6.2	6.2
132.5°	8.7	8.1	6.8	6.2	6.8	7.5	8.7	8.1	6.8	6.2	6.8
133°	8.7	8.1	6.8	6.2	6.2	7.5	8.7	8.1	6.8	6.2	6.2
133.5°	8.7	8.1	6.8	6.2	6.2	7.5	8.7	8.1	6.8	6.2	6.2
134°	8.7	8.1	6.8	6.2	6.8	7.5	8.7	8.1	6.8	6.2	6.8
134.5°	8.7	8.1	6.8	6.2	6.8	7.5	8.7	8.1	6.8	6.2	6.8

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

Scaled Data Report

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	8.7	8.1	6.8	6.2	6.8	8.1	8.7	8.1	6.8	6.2	6.8
135.5°	9.3	8.1	6.8	6.8	6.8	8.1	9.3	8.1	6.8	6.8	6.8
136°	9.3	8.1	6.8	7.5	6.8	8.1	9.3	8.1	6.8	7.5	6.8
136.5°	9.3	8.1	8.1	7.5	6.8	8.1	9.3	8.1	8.1	7.5	6.8
137°	9.3	8.7	8.1	7.5	6.8	8.7	9.3	8.7	8.1	7.5	6.8
137.5°	9.3	9.3	7.5	7.5	6.8	8.7	9.3	9.3	7.5	7.5	6.8
138°	9.3	9.3	8.1	7.5	7.5	8.7	9.3	9.3	8.1	7.5	7.5
138.5°	9.3	9.3	8.1	7.5	8.1	8.7	9.3	9.3	8.1	7.5	8.1
139°	9.9	9.3	8.1	7.5	8.1	8.7	9.9	9.3	8.1	7.5	8.1
139.5°	9.9	9.3	8.1	7.5	8.1	9.3	9.9	9.3	8.1	7.5	8.1
140°	9.9	9.3	8.1	7.5	8.1	9.3	9.9	9.3	8.1	7.5	8.1
140.5°	9.9	9.9	8.1	8.1	8.1	9.3	9.9	9.9	8.1	8.1	8.1
141°	9.9	9.9	8.1	8.7	8.1	9.3	9.9	9.9	8.1	8.7	8.1
141.5°	10.6	9.9	8.7	8.7	8.1	9.3	10.6	9.9	8.7	8.7	8.1
142°	10.6	9.9	9.3	8.7	8.1	9.3	10.6	9.9	9.3	8.7	8.1
142.5°	10.6	9.9	9.3	8.7	8.7	9.9	10.6	9.9	9.3	8.7	8.7
143°	10.6	10.6	9.3	8.7	9.3	9.9	10.6	10.6	9.3	8.7	9.3
143.5°	10.6	10.6	9.3	8.7	9.3	9.9	10.6	10.6	9.3	8.7	9.3
144°	10.6	10.6	9.3	8.7	9.3	9.9	10.6	10.6	9.3	8.7	9.3
144.5°	11.2	10.6	9.3	8.7	9.3	9.9	11.2	10.6	9.3	8.7	9.3
145°	11.2	11.2	9.3	9.3	9.3	10.6	11.2	11.2	9.3	9.3	9.3
145.5°	11.2	11.2	9.3	9.9	9.3	10.6	11.2	11.2	9.3	9.9	9.3
146°	11.8	11.2	9.9	9.9	9.3	10.6	11.8	11.2	9.9	9.9	9.3
146.5°	11.2	11.2	9.9	9.9	9.3	10.6	11.2	11.2	9.9	9.9	9.3
147°	11.2	11.2	9.9	9.9	9.9	10.6	11.2	11.2	9.9	9.9	9.9
147.5°	11.8	11.2	10.6	9.9	9.9	10.6	11.8	11.2	10.6	9.9	9.9
148°	11.8	11.2	10.6	9.9	9.9	10.6	11.8	11.2	10.6	9.9	9.9
148.5°	11.8	11.2	10.6	9.9	9.9	10.6	11.8	11.2	10.6	9.9	9.9
149°	11.8	11.2	10.6	9.9	9.9	11.2	11.8	11.2	10.6	9.9	9.9
149.5°	11.8	11.2	10.6	9.9	10.6	11.2	11.8	11.2	10.6	9.9	10.6
150°	11.8	11.2	10.6	10.6	10.6	11.8	11.8	11.2	10.6	10.6	10.6
150.5°	11.8	11.8	10.6	11.2	10.6	11.8	11.8	11.8	10.6	11.2	10.6
151°	12.4	11.8	10.6	11.2	10.6	11.8	12.4	11.8	10.6	11.2	10.6
151.5°	12.4	11.8	11.2	11.2	10.6	11.8	12.4	11.8	11.2	11.2	10.6
152°	12.4	11.8	11.2	11.2	10.6	11.8	12.4	11.8	11.2	11.2	10.6
152.5°	12.4	12.4	11.2	11.2	11.2	11.8	12.4	12.4	11.2	11.2	11.2
153°	13.0	12.4	11.8	11.2	11.2	11.8	13.0	12.4	11.8	11.2	11.2
153.5°	13.0	12.4	11.8	11.2	11.2	11.8	13.0	12.4	11.8	11.2	11.2
154°	13.0	12.4	11.8	11.2	11.2	11.8	13.0	12.4	11.8	11.2	11.2
154.5°	13.0	12.4	11.8	12.4	11.2	12.4	13.0	12.4	11.8	12.4	11.2
155°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8
155.5°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8
156°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8
156.5°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8
157°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	13.0	13.0	12.4	12.4	11.8	12.4	13.0	13.0	12.4	12.4	11.8
158°	13.0	13.0	12.4	12.4	11.8	12.4	13.0	13.0	12.4	12.4	11.8
158.5°	13.0	13.0	12.4	12.4	11.8	12.4	13.0	13.0	12.4	12.4	11.8
159°	13.0	13.0	13.0	12.4	11.8	12.4	13.0	13.0	13.0	12.4	11.8
159.5°	13.0	13.7	13.0	12.4	11.8	13.0	13.0	13.7	13.0	12.4	11.8
160°	13.0	13.7	13.0	13.0	11.8	13.0	13.0	13.7	13.0	13.0	11.8
160.5°	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0
161°	13.0	13.7	13.0	13.0	13.0	13.7	13.0	13.7	13.0	13.0	13.0
161.5°	13.0	13.7	13.0	13.0	13.0	13.7	13.0	13.7	13.0	13.0	13.0
162°	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0
162.5°	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0
163°	13.7	13.7	13.0	13.7	13.0	13.7	13.7	13.7	13.0	13.7	13.0
163.5°	13.7	13.7	13.7	13.7	13.0	13.7	13.7	13.7	13.7	13.7	13.0
164°	13.7	13.7	13.7	13.7	13.0	13.7	13.7	13.7	13.7	13.7	13.0
164.5°	13.7	13.7	14.3	13.7	13.0	13.7	13.7	13.7	14.3	13.7	13.0
165°	13.7	13.7	14.3	14.3	13.7	13.7	13.7	13.7	14.3	14.3	13.7
165.5°	14.3	13.7	14.3	14.3	13.7	13.7	14.3	13.7	14.3	14.3	13.7
166°	14.3	13.7	14.3	14.3	13.7	13.7	14.3	13.7	14.3	14.3	13.7
166.5°	14.3	13.7	14.3	14.3	13.7	13.7	14.3	13.7	14.3	14.3	13.7
167°	14.3	14.3	14.3	14.3	13.7	13.7	14.3	14.3	14.3	14.3	13.7
167.5°	14.3	14.3	14.3	14.3	13.7	13.7	14.3	14.3	14.3	14.3	13.7
168°	14.3	14.3	14.3	14.3	13.7	13.7	14.3	14.3	14.3	14.3	13.7
168.5°	14.3	14.3	14.3	14.3	13.7	13.7	14.3	14.3	14.3	14.3	13.7
169°	14.3	14.3	14.3	14.3	14.3	13.7	14.3	14.3	14.3	14.3	14.3
169.5°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
170°	14.3	14.3	14.3	14.9	14.3	14.3	14.3	14.3	14.3	14.9	14.3
170.5°	14.3	14.9	14.9	14.9	14.3	13.7	14.3	14.9	14.9	14.9	14.3
171°	14.3	14.9	14.9	14.9	14.3	13.7	14.3	14.9	14.9	14.9	14.3
171.5°	14.3	14.9	14.3	14.9	14.3	14.3	14.3	14.9	14.3	14.9	14.3
172°	14.3	14.9	14.3	14.9	14.3	14.9	14.3	14.9	14.3	14.9	14.3
172.5°	14.3	14.9	14.9	14.9	14.3	14.9	14.3	14.9	14.9	14.9	14.3
173°	14.3	14.9	14.9	14.9	14.3	14.9	14.3	14.9	14.9	14.9	14.3
173.5°	14.3	14.9	14.3	14.9	14.3	14.3	14.3	14.9	14.3	14.9	14.3
174°	14.3	14.9	14.9	14.9	14.9	14.3	14.3	14.9	14.9	14.9	14.9
174.5°	14.3	14.9	14.9	14.9	14.9	14.3	14.3	14.9	14.9	14.9	14.9
175°	14.3	14.3	14.9	14.9	14.9	14.9	14.3	14.3	14.9	14.9	14.9
175.5°	14.3	14.3	14.9	14.9	14.9	14.9	14.3	14.3	14.9	14.9	14.9
176°	14.3	14.9	14.9	14.9	14.9	14.9	14.3	14.9	14.9	14.9	14.9
176.5°	14.3	14.9	14.9	14.9	14.9	14.9	14.3	14.9	14.9	14.9	14.9
177°	14.3	14.9	14.9	14.9	14.9	14.9	14.3	14.9	14.9	14.9	14.9
177.5°	14.3	14.9	14.9	15.5	14.9	14.9	14.3	14.9	14.9	15.5	14.9
178°	14.3	14.9	14.9	16.2	14.9	14.9	14.3	14.9	14.9	16.2	14.9
178.5°	14.9	14.9	14.9	15.5	14.9	14.9	14.9	14.9	14.9	15.5	14.9
179°	14.9	14.9	14.9	15.5	14.9	14.9	14.9	14.9	14.9	15.5	14.9
179.5°	14.3	14.9	14.9	16.2	14.9	14.9	14.3	14.9	14.9	16.2	14.9

TEST NUMBER: P1594650
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	15.0	*15.0*	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0

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

Scaled Data Report

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	24293.6	24293.6
0.5°	24293.6	24293.6
1°	*24277.6*	*24277.6*
1.5°	24277.6	24269.5
2°	24275.1	24285.6
2.5°	24265.1	24272.0
3°	24249.6	24249.6
3.5°	24249.6	24255.8
4°	24231.6	24256.4
4.5°	24231.6	24253.3
5°	24198.7	24230.4
5.5°	24165.7	24213.6
6°	24165.7	24203.0
6.5°	24132.2	24209.8
7°	24132.2	24198.0
7.5°	24084.3	24171.3
8°	24084.3	24139.6
8.5°	24043.3	24131.6
9°	24043.3	24111.7
9.5°	23971.9	24075.0
10°	23971.9	24055.8
10.5°	23914.7	24035.9
11°	23843.9	24028.4
11.5°	23843.9	23998.6
12°	23771.2	23962.6
12.5°	23771.2	23925.3
13°	23697.9	23916.6
13.5°	23697.9	23857.6
14°	23599.1	23809.1
14.5°	23599.1	23786.8
15°	23501.6	23759.4
15.5°	23441.3	23734.0
16°	23400.3	23688.6
16.5°	23290.4	23645.1
17°	23290.4	23601.0
17.5°	23184.1	23584.2
18°	23184.1	23495.4
18.5°	23056.1	23438.8
19°	23056.1	23410.3
19.5°	22936.2	23373.6
20°	22936.2	23332.0
20.5°	22785.3	23271.1
21°	22640.5	23221.4
21.5°	22640.5	23172.9
22°	22488.9	23140.6

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Scaled Data Report

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	22488.9	23089.7
23°	22313.1	23026.9
23.5°	22313.1	22924.4
24°	22142.9	22876.0
24.5°	22142.9	22817.6
25°	21940.9	22744.3
25.5°	21940.9	22689.6
26°	21747.7	22631.8
26.5°	21657.0	22584.0
27°	21535.9	22517.5
27.5°	21312.2	22444.2
28°	21312.2	22368.4
28.5°	21077.4	22323.7
29°	21077.4	22186.4
29.5°	20805.9	22186.4
30°	20805.9	22040.4
30.5°	20536.3	21970.8
31°	20359.8	21907.4
31.5°	20234.9	21737.8
32°	19921.8	21737.8
32.5°	19921.8	21653.3
33°	19567.1	21653.3
33.5°	19567.1	21416.0
34°	19185.0	21314.7
34.5°	19185.0	21243.9
35°	18785.5	21156.9
35.5°	18785.5	21068.7
36°	18322.6	20959.3
36.5°	17837.4	20863.7
37°	17837.4	20763.6
37.5°	17292.6	20683.5
38°	17292.6	20575.4
38.5°	16730.9	20464.2
39°	16730.9	20255.4
39.5°	16151.9	20140.5
40°	16151.9	20033.0
40.5°	15546.8	19892.6
41°	15546.8	19785.7
41.5°	14945.4	19654.0
42°	14367.6	19547.8
42.5°	14367.6	19401.2
43°	13799.1	19265.1
43.5°	13799.1	18991.8
44°	13256.1	18991.8
44.5°	13256.1	18686.7

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

Scaled Data Report

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	12722.5	18504.1
45.5°	12722.5	18366.1
46°	12221.7	18186.6
46.5°	12031.0	18037.5
47°	11721.6	17833.7
47.5°	11246.9	17659.7
48°	11246.9	17447.9
48.5°	10826.3	17288.8
49°	10826.3	16874.5
49.5°	10453.0	16635.9
50°	10453.0	16447.6
50.5°	10105.0	16209.1
51°	10105.0	15996.6
51.5°	9750.3	15736.9
52°	9420.4	15515.1
52.5°	9420.4	15255.4
53°	9125.3	15034.9
53.5°	9125.3	14764.0
54°	8886.7	14509.3
54.5°	8886.7	13984.9
55°	8671.1	13707.8
55.5°	8671.1	13441.3
56°	8395.3	13151.8
56.5°	8254.9	12880.9
57°	8103.9	12598.2
57.5°	7808.2	12329.8
58°	7808.2	12040.9
58.5°	7582.0	11750.8
59°	7582.0	11186.7
59.5°	7311.8	10905.9
60°	7311.8	10610.8
60.5°	7006.1	10328.1
61°	7006.1	10044.8
61.5°	6765.1	9777.0
62°	6517.8	9490.0
62.5°	6517.8	9222.8
63°	6191.6	8931.5
63.5°	6191.6	8671.8
64°	5879.1	8399.0
64.5°	5879.1	7862.2
65°	5551.1	7607.5
65.5°	5551.1	7343.5
66°	5241.1	7099.9
66.5°	5241.1	6837.1
67°	4908.1	6593.0

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

Scaled Data Report

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	4533.4	6332.7
68°	4533.4	6097.8
68.5°	4110.4	5845.6
69°	4110.4	5615.1
69.5°	3728.9	5356.0
70°	3728.9	4883.2
70.5°	3413.3	4665.8
71°	3413.3	4421.0
71.5°	3082.1	4211.0
72°	2758.5	3979.3
72.5°	2758.5	3782.3
73°	2628.6	3557.4
73.5°	2313.6	3365.4
74°	2188.8	3143.0
74.5°	1976.9	2759.1
75°	1847.7	2592.6
75.5°	1641.4	2391.3
76°	1537.0	2235.3
76.5°	1352.5	2044.6
77°	1284.2	1905.5
77.5°	1076.0	1727.1
78°	937.5	1601.0
78.5°	904.6	1432.7
79°	767.9	1325.2
79.5°	744.3	1169.2
80°	615.1	936.9
80.5°	466.0	863.0
81°	466.0	736.2
81.5°	447.9	677.8
82°	343.6	564.7
82.5°	327.4	518.8
83°	242.9	423.7
83.5°	192.6	390.2
84°	182.0	312.5
84.5°	147.9	288.3
85°	138.5	224.9
85.5°	114.3	158.4
86°	111.2	145.4
86.5°	86.4	108.7
87°	82.0	92.6
87.5°	62.1	66.5
88°	45.4	55.9
88.5°	45.4	37.3
89°	32.9	37.3
89.5°	32.9	23.6

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	19.3	11.2
90.5°	19.3	11.2
91°	9.3	2.5
91.5°	9.3	2.5
92°	6.2	0.6
92.5°	6.2	0.6
93°	1.2	0.6
93.5°	0.6	0.6
94°	0.6	0.6
94.5°	0.6	0.6
95°	0.6	0.6
95.5°	0.6	0.6
96°	0.6	0.6
96.5°	0.6	0.6
97°	0.6	0.6
97.5°	0.6	0.6
98°	0.6	0.6
98.5°	0.6	0.6
99°	0.6	0.6
99.5°	0.6	1.2
100°	0.6	1.2
100.5°	0.6	1.2
101°	0.6	1.2
101.5°	0.6	1.2
102°	0.6	1.2
102.5°	0.6	1.2
103°	0.6	1.2
103.5°	0.6	1.2
104°	0.6	1.2
104.5°	0.6	1.2
105°	0.6	1.9
105.5°	0.6	1.9
106°	1.2	1.9
106.5°	1.2	1.9
107°	1.2	1.9
107.5°	1.2	1.9
108°	1.2	2.5
108.5°	1.9	2.5
109°	1.9	2.5
109.5°	1.9	3.1
110°	1.9	3.1
110.5°	1.9	3.1
111°	1.9	3.1
111.5°	1.9	3.1
112°	1.9	3.1

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
112.5°	2.5	3.1
113°	2.5	3.1
113.5°	2.5	3.1
114°	2.5	3.7
114.5°	2.5	3.7
115°	2.5	4.3
115.5°	2.5	4.3
116°	3.1	4.3
116.5°	3.1	4.3
117°	3.7	4.3
117.5°	3.7	4.3
118°	3.7	5.0
118.5°	3.7	5.0
119°	3.7	5.0
119.5°	3.7	5.6
120°	3.7	5.6
120.5°	3.7	5.6
121°	3.7	5.6
121.5°	4.3	6.2
122°	4.3	6.2
122.5°	5.0	5.6
123°	5.0	5.6
123.5°	5.0	6.2
124°	5.0	6.2
124.5°	5.0	6.2
125°	5.0	6.8
125.5°	5.0	6.8
126°	6.2	6.8
126.5°	6.2	6.8
127°	6.2	6.8
127.5°	6.2	6.8
128°	6.2	7.5
128.5°	6.2	7.5
129°	6.2	7.5
129.5°	6.8	8.1
130°	6.8	8.1
130.5°	6.8	8.1
131°	6.8	8.1
131.5°	7.5	8.1
132°	7.5	8.1
132.5°	7.5	8.7
133°	7.5	8.7
133.5°	7.5	8.7
134°	7.5	8.7
134.5°	7.5	8.7

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	8.1	8.7
135.5°	8.1	9.3
136°	8.1	9.3
136.5°	8.1	9.3
137°	8.7	9.3
137.5°	8.7	9.3
138°	8.7	9.3
138.5°	8.7	9.3
139°	8.7	9.9
139.5°	9.3	9.9
140°	9.3	9.9
140.5°	9.3	9.9
141°	9.3	9.9
141.5°	9.3	10.6
142°	9.3	10.6
142.5°	9.9	10.6
143°	9.9	10.6
143.5°	9.9	10.6
144°	9.9	10.6
144.5°	9.9	11.2
145°	10.6	11.2
145.5°	10.6	11.2
146°	10.6	11.8
146.5°	10.6	11.2
147°	10.6	11.2
147.5°	10.6	11.8
148°	10.6	11.8
148.5°	10.6	11.8
149°	11.2	11.8
149.5°	11.2	11.8
150°	11.8	11.8
150.5°	11.8	11.8
151°	11.8	12.4
151.5°	11.8	12.4
152°	11.8	12.4
152.5°	11.8	12.4
153°	11.8	13.0
153.5°	11.8	13.0
154°	11.8	13.0
154.5°	12.4	13.0
155°	12.4	13.0
155.5°	12.4	13.0
156°	12.4	13.0
156.5°	12.4	13.0
157°	12.4	13.0

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
157.5°	12.4	13.0
158°	12.4	13.0
158.5°	12.4	13.0
159°	12.4	13.0
159.5°	13.0	13.0
160°	13.0	13.0
160.5°	13.7	13.0
161°	13.7	13.0
161.5°	13.7	13.0
162°	13.7	13.0
162.5°	13.7	13.0
163°	13.7	13.7
163.5°	13.7	13.7
164°	13.7	13.7
164.5°	13.7	13.7
165°	13.7	13.7
165.5°	13.7	14.3
166°	13.7	14.3
166.5°	13.7	14.3
167°	13.7	14.3
167.5°	13.7	14.3
168°	13.7	14.3
168.5°	13.7	14.3
169°	13.7	14.3
169.5°	14.3	14.3
170°	14.3	14.3
170.5°	13.7	14.3
171°	13.7	14.3
171.5°	14.3	14.3
172°	14.9	14.3
172.5°	14.9	14.3
173°	14.9	14.3
173.5°	14.3	14.3
174°	14.3	14.3
174.5°	14.3	14.3
175°	14.9	14.3
175.5°	14.9	14.3
176°	14.9	14.3
176.5°	14.9	14.3
177°	14.9	14.3
177.5°	14.9	14.3
178°	14.9	14.3
178.5°	14.9	14.9
179°	14.9	14.9
179.5°	14.9	14.3

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	15.0	15.0

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

Scaled Data Report

TEST NUMBER: P1594650
CATALOG NUMBER: FLXB-4860-M-MED-4000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	28.0	29.5	28.4	29.9	30.2	25.9	27.4	26.3	27.7	28.1
	3H	29.5	30.8	29.9	31.2	31.5	26.3	27.7	26.7	28.0	28.4
	4H	29.8	31.1	30.2	31.4	31.8	26.3	27.6	26.7	27.9	28.3
	6H	29.9	31.1	30.3	31.4	31.8	26.3	27.4	26.7	27.8	28.2
	8H	29.9	31.0	30.3	31.4	31.8	26.2	27.4	26.7	27.7	28.1
	12H	29.9	30.9	30.3	31.3	31.7	26.2	27.3	26.7	27.7	28.1
4H	2H	28.2	29.5	28.6	29.9	30.2	26.4	27.7	26.9	28.1	28.4
	3H	29.8	30.9	30.2	31.3	31.7	26.9	27.9	27.3	28.3	28.7
	4H	30.2	31.1	30.6	31.5	32.0	26.9	27.8	27.3	28.3	28.7
	6H	30.3	31.1	30.8	31.6	32.1	26.9	27.7	27.3	28.1	28.6
	8H	30.3	31.1	30.8	31.5	32.0	26.8	27.6	27.3	28.0	28.5
	12H	30.3	31.0	30.8	31.5	31.9	26.8	27.5	27.3	28.0	28.4
8H	4H	30.2	30.9	30.6	31.3	31.8	27.0	27.8	27.5	28.2	28.7
	6H	30.3	30.9	30.8	31.4	31.9	27.0	27.6	27.5	28.1	28.6
	8H	30.3	30.8	30.8	31.4	31.8	26.9	27.5	27.5	28.0	28.5
	12H	30.3	30.8	30.8	31.3	31.8	26.9	27.4	27.4	27.9	28.5
12H	4H	30.1	30.8	30.6	31.3	31.7	27.0	27.7	27.5	28.1	28.6
	6H	30.3	30.8	30.8	31.3	31.8	27.0	27.5	27.5	28.0	28.5
	8H	30.3	30.7	30.8	31.2	31.8	26.9	27.4	27.4	27.9	28.5

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

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP3-2602-684-3

Test Date: 02/20/2026

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

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

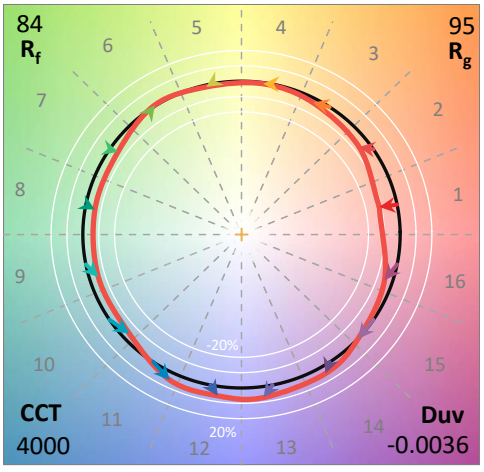
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	02/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**HLBX-2436-W-HI-4000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 4000K CCT settings

Spectral Parameters

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

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



Test Conditions

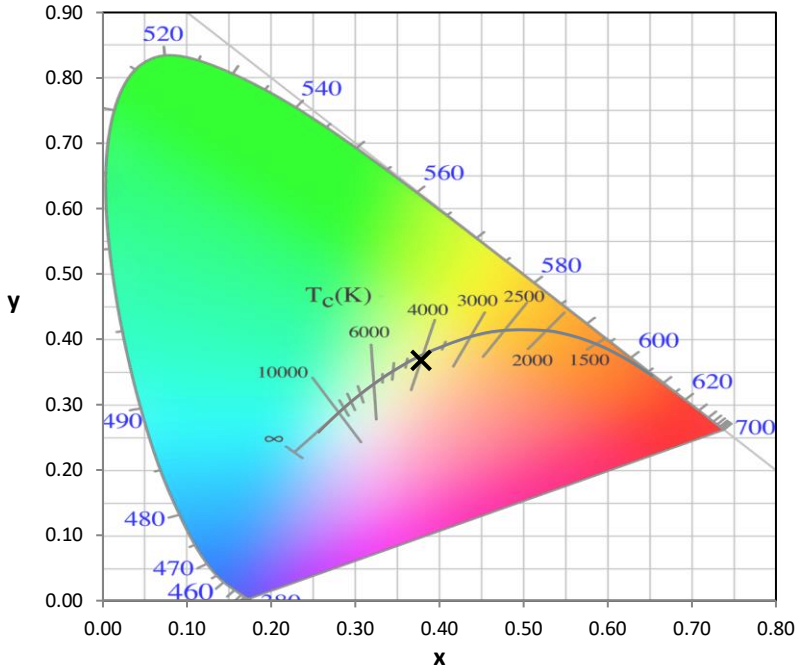
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-3

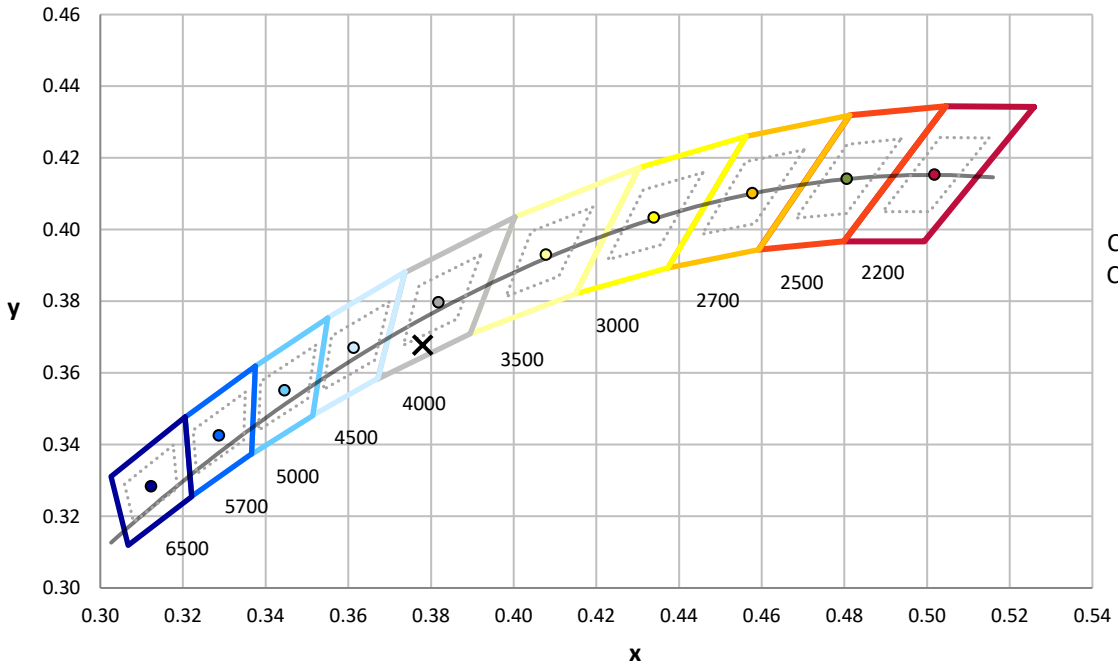
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-3

CIE 1931 Chromaticity Diagram



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

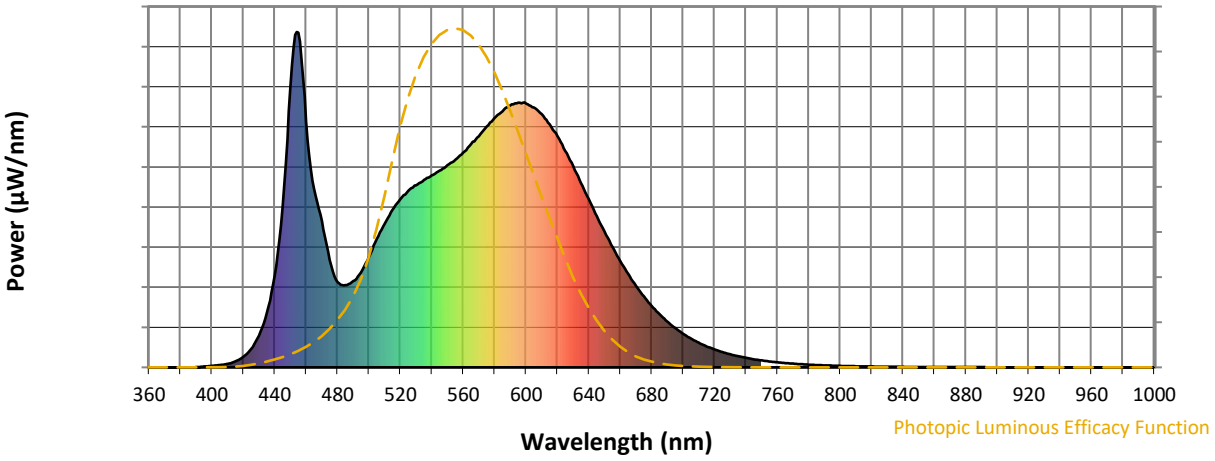


CCT = 4000K
CIE x = 0.3780
CIE y = 0.3677
Duv = -0.0036

Point lies inside the ANSI 4000K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-3

Photopic Flux vs. Wavelength

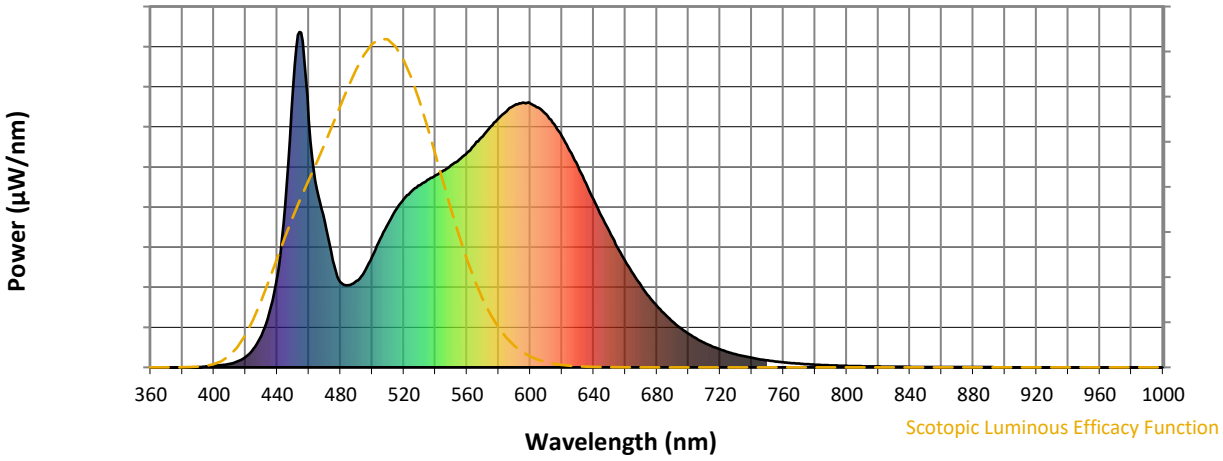


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-3

Scotopic Flux vs. Wavelength

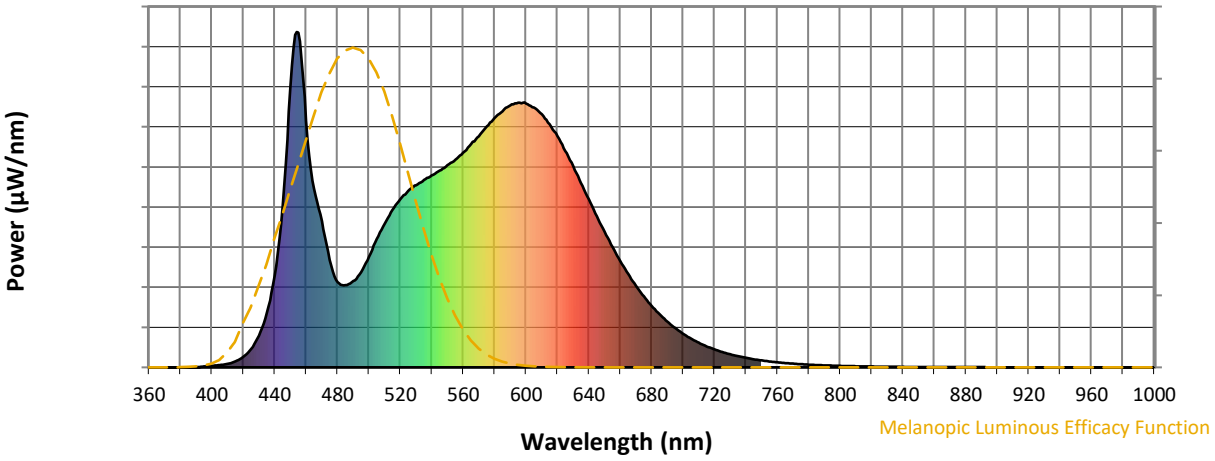


Scotopic Lumens: NR **S/P: 1.73**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

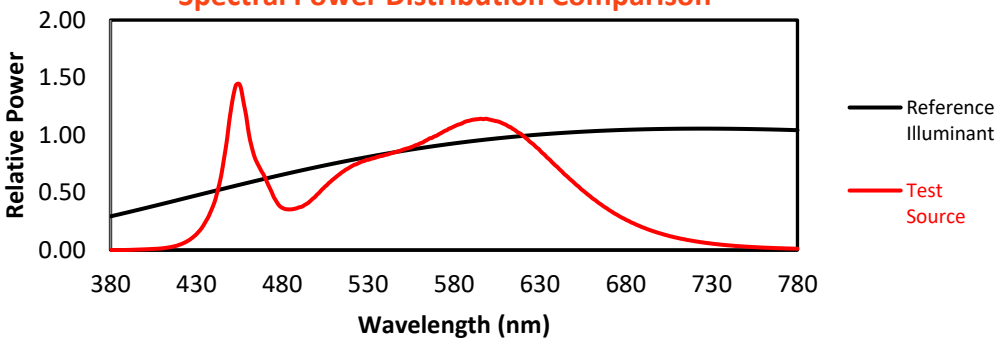
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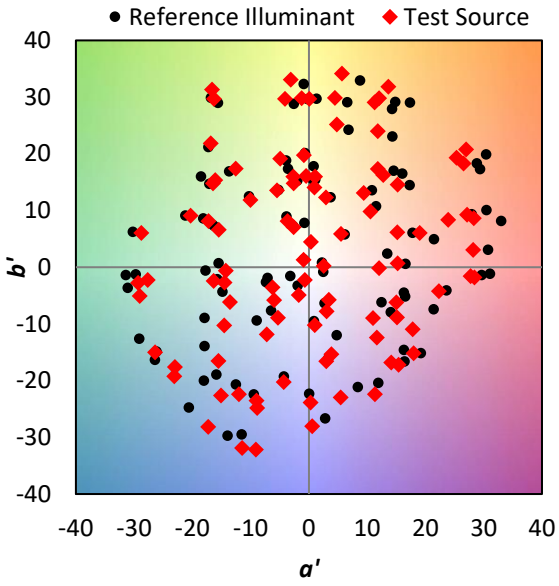
Summary

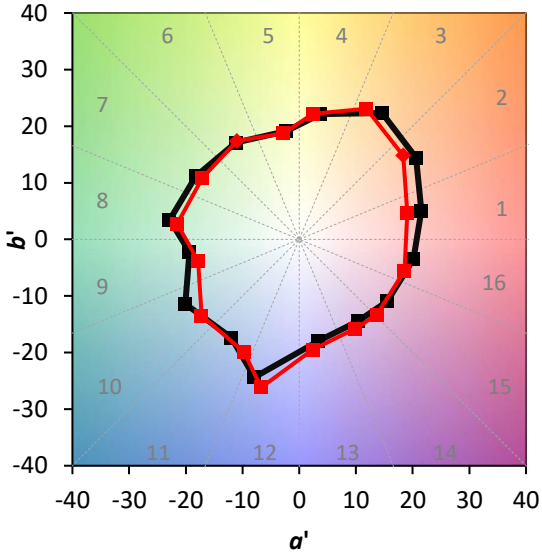
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R_g = 95.3
CIE R_a = 84.8
R_9 = 16.8

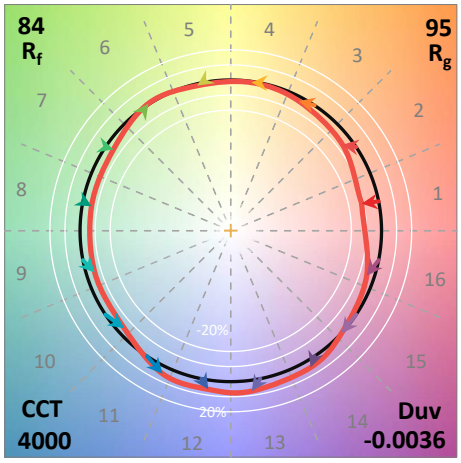
Spectral Power Distribution Comparison

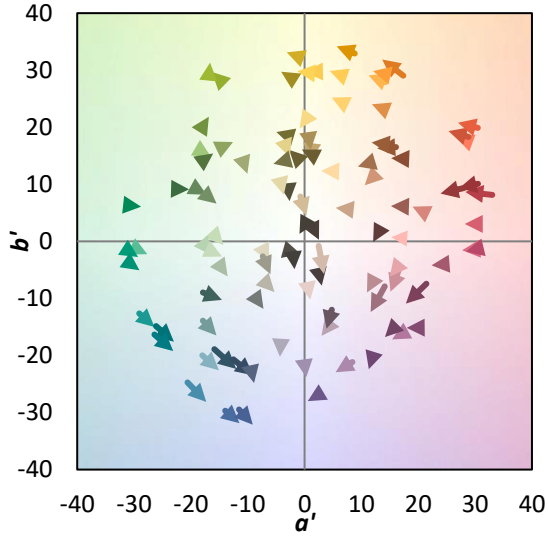


Color Vector Graphics







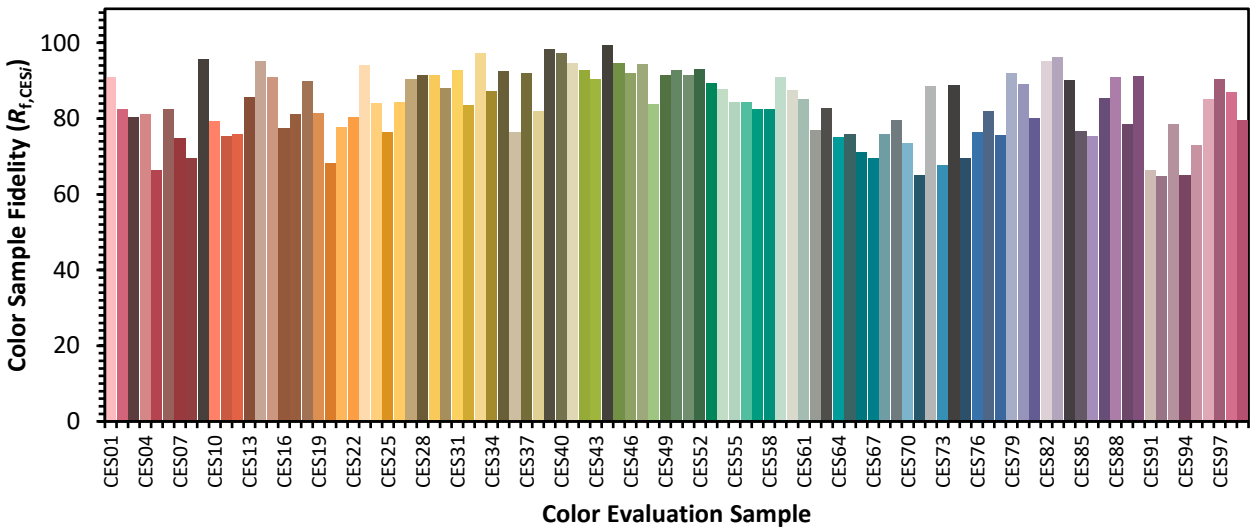


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Individual Sample Fidelity Index ($R_{f,i}$)

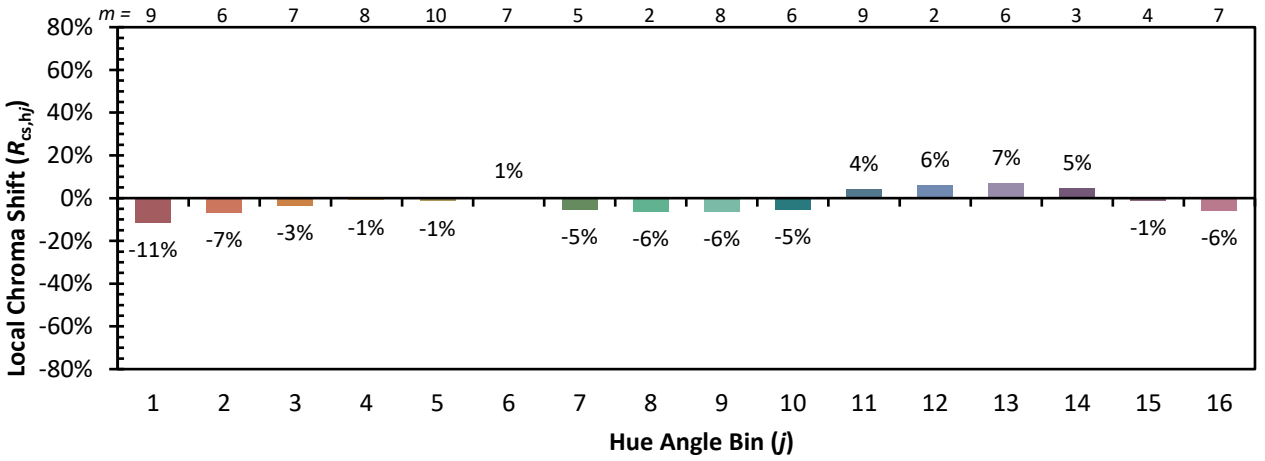
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CES02 = 61	CES27 = 90	CES52 = 93	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 89	CES78 = 76
CES04 = 70	CES29 = 91	CES54 = 88	CES79 = 92
CES05 = 48	CES30 = 88	CES55 = 84	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 84	CES81 = 80
CES07 = 41	CES32 = 84	CES57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

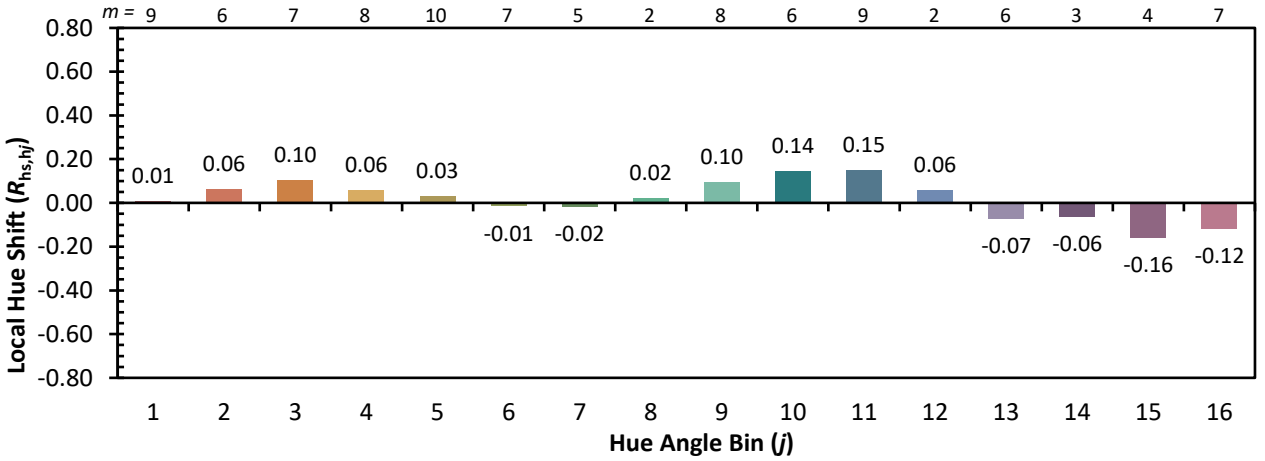


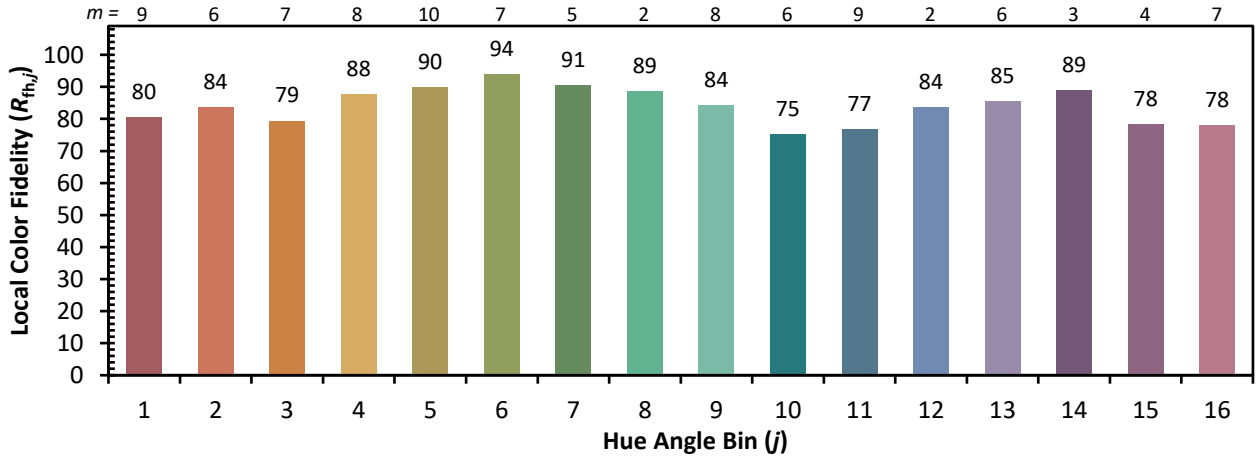
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Color Rendition by Hue-Angle Bin



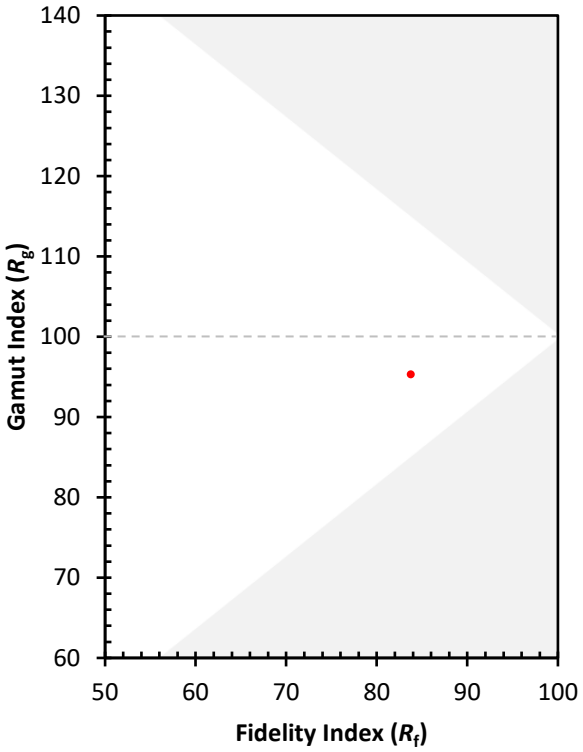


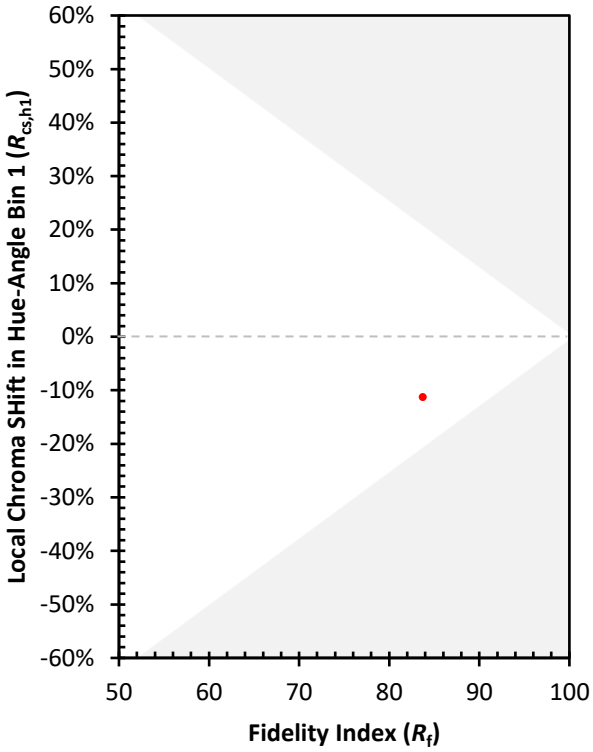


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Measure Comparisons





(END OF REPORT)