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: P1594640

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

Issue Date: 10/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594640
	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-HI-4000K
Description:	4860 FlexBay Linear High bay at M beam, HI lumen, 4000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	60768.0 lumens
Efficiency:	N/A
Efficacy:	164.6 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

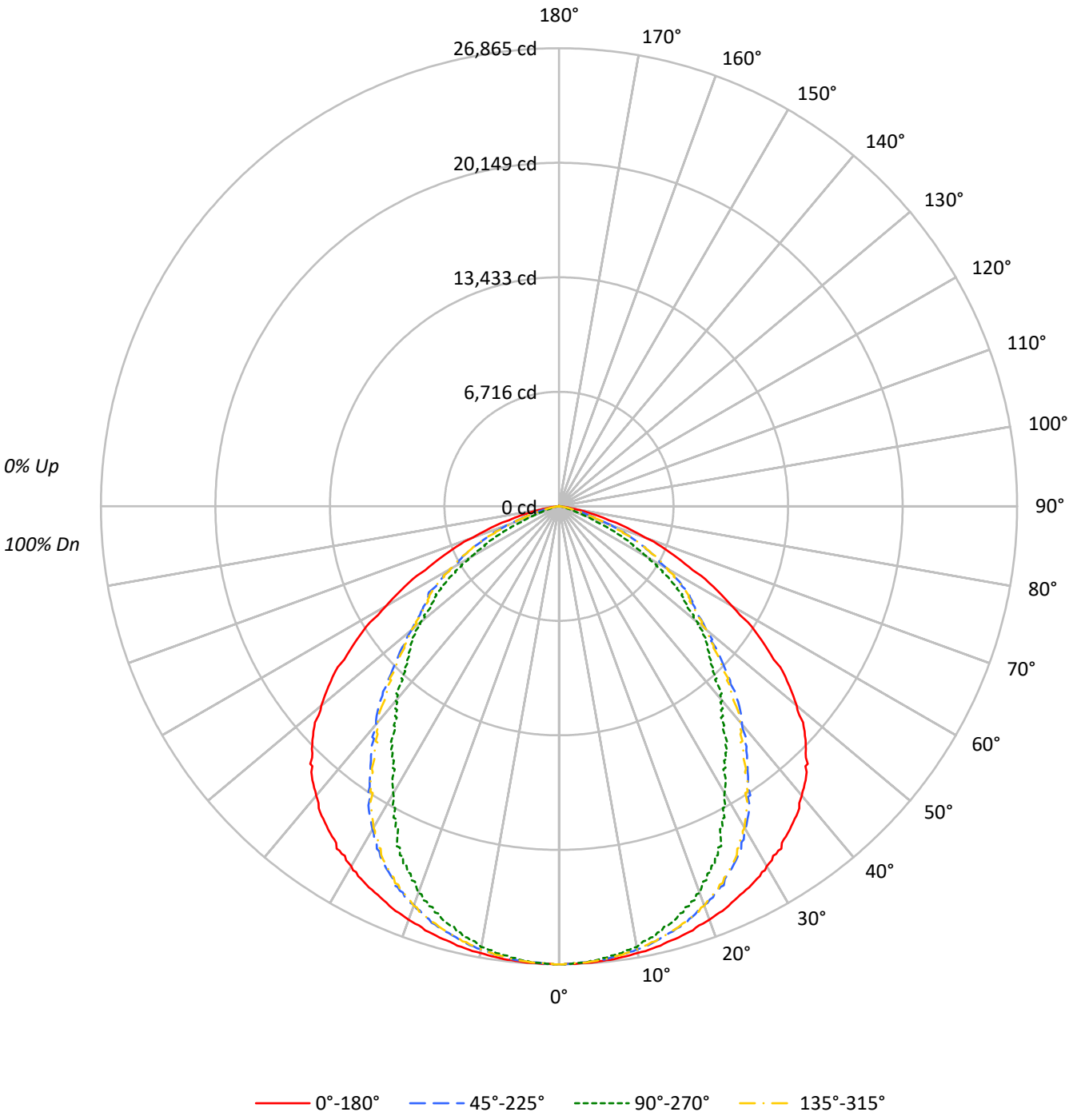
Input Watts (W):	369.2
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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°	130633	130633	130633	130633
5°	130790	130244	130790	130244
10°	131349	129596	131349	129596
15°	132267	127415	132267	127415
20°	133514	124924	133514	124924
25°	134945	118479	134945	118479
30°	136851	109104	136851	109104
35°	138883	100762	138883	100762
40°	140622	94561	140622	94561
45°	140716	85457	140716	85457
50°	137593	80756	137593	80756
55°	128510	71413	128510	71413
60°	114114	59893	114114	59893
65°	96796	41572	96796	41572
70°	76775	23921	76775	23921
75°	53864	10585	53864	10585
80°	29011	6715	29011	6715
85°	13875	4525	13875	4525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46.5°
Luminance: 140904 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2541.1	4.2
10°-20°	7274.2	12.0
20°-30°	10855.6	17.9
30°-40°	12215.3	20.1
40°-50°	11386.2	18.7
50°-60°	9060.1	14.9
60°-70°	5493.6	9.0
70°-80°	1722.8	2.8
80°-90°	182.3	0.3
90°-100°	2.2	0.0
100°-110°	1.2	0.0
110°-120°	2.9	0.0
120°-130°	5.1	0.0
130°-140°	6.5	0.0
140°-150°	6.9	0.0
150°-160°	6.2	0.0
160°-170°	4.3	0.0
170°-180°	1.5	0.0
0°-30°	20671.0	34.0
0°-40°	32886.2	54.1
0°-60°	53332.5	87.8
0°-90°	60731.2	99.9
90°-120°	6.3	0.0
90°-150°	24.8	0.0
90°-180°	37.0	0.1
0°-180°	60768.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	26865	26865	26865	26865	26865	
5°	26795	26683	26795	26683	26795	2552
15°	26274	25310	26274	25310	26274	7428
25°	25152	22082	25152	22082	25152	11622
35°	23396	16974	23396	16974	23396	14650
45°	20462	12427	20462	12427	20462	15769
55°	15159	8424	15159	8424	15159	13559
65°	8413	3613	8413	3613	8413	8476
75°	2867	563	2867	563	2867	3212
85°	249	81	249	81	249	361
90°	12	18	12	18	12	13
95°	1	1	1	1	1	1
105°	2	1	2	1	2	2
115°	5	3	5	3	5	4
125°	8	4	8	4	8	7
135°	10	7	10	7	10	8
145°	12	10	12	10	12	8
155°	14	14	14	14	14	7
165°	15	16	15	16	15	4
175°	16	16	16	16	16	2
180°	17	17	17	17	17	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8
0.5°	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8	26864.8
1°	26847.1	26888.3	26811.3	26843.6	26798.3	26847.1	26847.1	26888.3	26811.3	26843.6	26798.3
1.5°	26838.1	26867.0	26822.3	26843.6	26825.8	26847.1	26838.1	26867.0	26822.3	26843.6	26825.8
2°	26856.0	26859.4	26799.0	26797.6	26788.7	26844.3	26856.0	26859.4	26799.0	26797.6	26788.7
2.5°	26840.9	26859.4	26729.6	26797.6	26788.7	26833.3	26840.9	26859.4	26729.6	26797.6	26788.7
3°	26816.1	26838.8	26735.1	26797.6	26788.7	26816.1	26816.1	26838.8	26735.1	26797.6	26788.7
3.5°	26823.0	26840.2	26735.1	26797.6	26788.7	26816.1	26823.0	26840.2	26735.1	26797.6	26788.7
4°	26823.7	26820.9	26721.3	26724.8	26730.9	26796.2	26823.7	26820.9	26721.3	26724.8	26730.9
4.5°	26820.3	26790.0	26693.2	26724.8	26719.3	26796.2	26820.3	26790.0	26693.2	26724.8	26719.3
5°	26794.8	26791.4	26687.0	26682.9	26692.5	26759.8	26794.8	26791.4	26687.0	26682.9	26692.5
5.5°	26776.3	26793.5	26654.7	26622.4	26643.0	26723.4	26776.3	26793.5	26654.7	26622.4	26643.0
6°	26764.6	26754.3	26654.7	26622.4	26643.7	26723.4	26764.6	26754.3	26654.7	26622.4	26643.7
6.5°	26772.2	26720.6	26577.1	26529.6	26604.5	26686.3	26772.2	26720.6	26577.1	26529.6	26604.5
7°	26759.1	26718.6	26526.9	26529.6	26559.2	26686.3	26759.1	26718.6	26526.9	26529.6	26559.2
7.5°	26729.6	26671.9	26507.0	26471.2	26512.5	26633.4	26729.6	26671.9	26507.0	26471.2	26512.5
8°	26694.5	26671.9	26451.3	26471.2	26512.5	26633.4	26694.5	26671.9	26451.3	26471.2	26512.5
8.5°	26685.6	26621.7	26425.9	26338.7	26406.7	26588.0	26685.6	26621.7	26425.9	26338.7	26406.7
9°	26663.6	26575.7	26341.4	26338.7	26372.3	26588.0	26663.6	26575.7	26341.4	26338.7	26372.3
9.5°	26623.1	26556.4	26341.4	26246.6	26331.1	26509.0	26623.1	26556.4	26341.4	26246.6	26331.1
10°	26601.8	26547.5	26234.9	26246.6	26251.4	26509.0	26601.8	26547.5	26234.9	26246.6	26251.4
10.5°	26579.8	26493.2	26234.9	26116.7	26219.8	26445.8	26579.8	26493.2	26234.9	26116.7	26219.8
11°	26571.6	26434.8	26129.8	25973.8	26162.8	26367.5	26571.6	26434.8	26129.8	25973.8	26162.8
11.5°	26538.6	26418.3	26129.8	25973.8	26092.7	26367.5	26538.6	26418.3	26129.8	25973.8	26092.7
12°	26498.7	26388.8	26005.4	25857.0	25984.1	26287.1	26498.7	26388.8	26005.4	25857.0	25984.1
12.5°	26457.5	26335.2	25923.7	25857.0	25984.1	26287.1	26457.5	26335.2	25923.7	25857.0	25984.1
13°	26447.9	26249.3	25877.0	25653.7	25834.4	26206.1	26447.9	26249.3	25877.0	25653.7	25834.4
13.5°	26382.6	26188.2	25785.6	25653.7	25834.4	26206.1	26382.6	26188.2	25785.6	25653.7	25834.4
14°	26329.0	26147.0	25721.0	25415.3	25709.3	26096.8	26329.0	26147.0	25721.0	25415.3	25709.3
14.5°	26304.3	26115.4	25569.9	25415.3	25604.9	26096.8	26304.3	26115.4	25569.9	25415.3	25604.9
15°	26274.1	26049.4	25569.9	25310.2	25543.8	25989.0	26274.1	26049.4	25569.9	25310.2	25543.8
15.5°	26245.9	25978.6	25416.0	25236.7	25473.7	25922.3	26245.9	25978.6	25416.0	25236.7	25473.7
16°	26195.8	25943.6	25416.0	25108.9	25375.4	25877.0	26195.8	25943.6	25416.0	25108.9	25375.4
16.5°	26147.7	25905.1	25244.2	24906.9	25271.7	25755.4	26147.7	25905.1	25244.2	24906.9	25271.7
17°	26098.9	25829.6	25244.2	24906.9	25205.7	25755.4	26098.9	25829.6	25244.2	24906.9	25205.7
17.5°	26080.3	25708.6	25051.2	24653.4	24995.5	25637.9	26080.3	25708.6	25051.2	24653.4	24995.5
18°	25982.1	25708.6	24934.4	24653.4	24995.5	25637.9	25982.1	25708.6	24934.4	24653.4	24995.5
18.5°	25919.6	25574.0	24843.7	24437.0	24803.8	25496.4	25919.6	25574.0	24843.7	24437.0	24803.8
19°	25888.0	25517.6	24625.9	24437.0	24803.8	25496.4	25888.0	25517.6	24625.9	24437.0	24803.8
19.5°	25847.4	25440.0	24625.9	24141.5	24568.9	25363.8	25847.4	25440.0	24625.9	24141.5	24568.9
20°	25801.4	25347.3	24407.4	24141.5	24470.6	25363.8	25801.4	25347.3	24407.4	24141.5	24470.6
20.5°	25734.1	25289.6	24407.4	23874.3	24347.0	25196.8	25734.1	25289.6	24407.4	23874.3	24347.0
21°	25679.1	25234.6	24174.5	23569.9	24197.2	25036.7	25679.1	25234.6	24174.5	23569.9	24197.2
21.5°	25625.5	25139.1	24174.5	23569.9	24090.0	25036.7	25625.5	25139.1	24174.5	23569.9	24090.0
22°	25589.8	25044.3	23816.6	23227.8	23794.6	24869.1	25589.8	25044.3	23816.6	23227.8	23794.6

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	25533.5	24979.7	23816.6	23227.8	23794.6	24869.1	25533.5	24979.7	23816.6	23227.8	23794.6
23°	25464.1	24800.4	23690.8	22901.4	23526.0	24674.7	25464.1	24800.4	23690.8	22901.4	23526.0
23.5°	25350.7	24800.4	23690.8	22901.4	23526.0	24674.7	25350.7	24800.4	23690.8	22901.4	23526.0
24°	25297.1	24621.1	23218.8	22485.8	23183.1	24486.4	25297.1	24621.1	23218.8	22485.8	23183.1
24.5°	25232.5	24505.7	23073.2	22485.8	23027.9	24486.4	25232.5	24505.7	23073.2	22485.8	23027.9
25°	25151.5	24417.0	22887.7	22082.5	22860.2	24263.1	25151.5	24417.0	22887.7	22082.5	22860.2
25.5°	25091.0	24332.5	22729.7	22082.5	22659.6	24263.1	25091.0	24332.5	22729.7	22082.5	22659.6
26°	25027.1	24211.6	22524.3	21628.4	22483.0	24049.5	25027.1	24211.6	22524.3	21628.4	22483.0
26.5°	24974.2	24083.8	22358.0	21158.4	22301.7	23949.2	24974.2	24083.8	22358.0	21158.4	22301.7
27°	24900.7	23993.1	22152.6	21158.4	22096.2	23815.2	24900.7	23993.1	22152.6	21158.4	22096.2
27.5°	24819.6	23886.0	21745.2	20677.5	21700.5	23567.9	24819.6	23886.0	21745.2	20677.5	21700.5
28°	24735.8	23756.8	21745.2	20677.5	21700.5	23567.9	24735.8	23756.8	21745.2	20677.5	21700.5
28.5°	24686.3	23515.0	21314.4	20136.8	21229.2	23308.2	24686.3	23515.0	21314.4	20136.8	21229.2
29°	24534.5	23370.7	21314.4	20136.8	21229.2	23308.2	24534.5	23370.7	21314.4	20136.8	21229.2
29.5°	24534.5	23245.6	20847.9	19661.4	20779.2	23007.9	24534.5	23245.6	20847.9	19661.4	20779.2
30°	24373.1	23118.5	20617.8	19431.3	20529.8	23007.9	24373.1	23118.5	20617.8	19431.3	20529.8
30.5°	24296.1	22970.8	20347.8	19195.6	20252.9	22709.8	24296.1	22970.8	20347.8	19195.6	20252.9
31°	24226.0	22797.0	20090.8	18973.7	20017.3	22514.6	24226.0	22797.0	20090.8	18973.7	20017.3
31.5°	24038.5	22667.9	19811.9	18692.0	19695.8	22376.6	24038.5	22667.9	19811.9	18692.0	19695.8
32°	24038.5	22516.7	19536.4	18185.0	19417.5	22030.3	24038.5	22516.7	19536.4	18185.0	19417.5
32.5°	23945.0	22349.1	19234.1	18185.0	19102.9	22030.3	23945.0	22349.1	19234.1	18185.0	19102.9
33°	23945.0	22015.2	18639.8	17779.6	18468.7	21638.0	23945.0	22015.2	18639.8	17779.6	18468.7
33.5°	23682.6	22015.2	18639.8	17779.6	18468.7	21638.0	23682.6	22015.2	18639.8	17779.6	18468.7
34°	23570.6	21643.5	18041.4	17440.9	17888.2	21215.5	23570.6	21643.5	18041.4	17440.9	17888.2
34.5°	23492.3	21455.2	17723.3	17440.9	17888.2	21215.5	23492.3	21455.2	17723.3	17440.9	17888.2
35°	23396.1	21250.5	17421.0	16974.4	17289.8	20773.7	23396.1	21250.5	17421.0	16974.4	17289.8
35.5°	23298.5	20994.9	17108.4	16974.4	17028.0	20773.7	23298.5	20994.9	17108.4	16974.4	17028.0
36°	23177.6	20811.5	16814.4	16525.8	16716.1	20261.9	23177.6	20811.5	16814.4	16525.8	16716.1
36.5°	23071.8	20568.3	16511.4	16102.6	16466.7	19725.3	23071.8	20568.3	16511.4	16102.6	16466.7
37°	22961.2	20342.3	16298.4	16102.6	16230.4	19725.3	22961.2	20342.3	16298.4	16102.6	16230.4
37.5°	22872.6	20044.8	16054.5	15614.8	15827.8	19122.8	22872.6	20044.8	16054.5	15614.8	15827.8
38°	22753.0	19828.4	15906.1	15614.8	15827.8	19122.8	22753.0	19828.4	15906.1	15614.8	15827.8
38.5°	22630.1	19261.6	15568.1	15262.4	15656.7	18501.7	22630.1	19261.6	15568.1	15262.4	15656.7
39°	22399.2	19261.6	15568.1	15262.4	15490.5	18501.7	22399.2	19261.6	15568.1	15262.4	15490.5
39.5°	22272.1	18645.3	15234.9	14896.9	15314.6	17861.4	22272.1	18645.3	15234.9	14896.9	15314.6
40°	22153.3	18270.2	15095.4	14896.9	15263.0	17861.4	22153.3	18270.2	15095.4	14896.9	15263.0
40.5°	21998.0	17983.7	15056.9	14548.5	15143.5	17192.2	21998.0	17983.7	15056.9	14548.5	15143.5
41°	21879.8	17625.1	14969.7	14548.5	14950.4	17192.2	21879.8	17625.1	14969.7	14548.5	14950.4
41.5°	21734.2	17287.7	14839.1	14150.1	14847.4	16527.2	21734.2	17287.7	14839.1	14150.1	14847.4
42°	21616.7	16883.7	14743.0	13689.7	14669.5	15888.2	21616.7	16883.7	14743.0	13689.7	14669.5
42.5°	21454.6	16538.9	14556.1	13689.7	14495.0	15888.2	21454.6	16538.9	14556.1	13689.7	14495.0
43°	21304.1	16170.6	14194.7	13228.1	14128.1	15259.6	21304.1	16170.6	14194.7	13228.1	14128.1
43.5°	21001.8	15800.3	14194.7	13228.1	14128.1	15259.6	21001.8	15800.3	14194.7	13228.1	14128.1
44°	21001.8	15130.5	13809.3	12755.4	13689.7	14659.1	21001.8	15130.5	13809.3	12755.4	13689.7
44.5°	20664.5	14815.1	13809.3	12755.4	13689.7	14659.1	20664.5	14815.1	13809.3	12755.4	13689.7

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	20462.5	14488.1	13393.0	12427.0	13214.3	14069.0	20462.5	14488.1	13393.0	12427.0	13214.3
45.5°	20310.0	14207.8	13166.9	12427.0	13000.7	14069.0	20310.0	14207.8	13166.9	12427.0	13000.7
46°	20111.4	13867.0	12949.1	12135.7	12782.2	13515.2	20111.4	13867.0	12949.1	12135.7	12782.2
46.5°	19946.5	13599.1	12722.4	11943.3	12582.9	13304.3	19946.5	13599.1	12722.4	11943.3	12582.9
47°	19721.2	13261.0	12506.7	11901.4	12366.5	12962.2	19721.2	13261.0	12506.7	11901.4	12366.5
47.5°	19528.8	13014.4	12289.6	11634.2	12149.4	12437.3	19528.8	13014.4	12289.6	11634.2	12149.4
48°	19294.5	12672.3	12061.5	11634.2	11953.6	12437.3	19294.5	12672.3	12061.5	11634.2	11953.6
48.5°	19118.7	12161.8	11641.0	11178.7	11544.8	11972.2	19118.7	12161.8	11641.0	11178.7	11544.8
49°	18660.4	12161.8	11641.0	11178.7	11544.8	11972.2	18660.4	12161.8	11641.0	11178.7	11544.8
49.5°	18396.6	11709.7	11450.7	10675.1	11145.0	11559.3	18396.6	11709.7	11450.7	10675.1	11145.0
50°	18188.4	11530.4	11050.2	10675.1	11145.0	11559.3	18188.4	11530.4	11050.2	10675.1	11145.0
50.5°	17924.6	11292.7	10826.2	10184.5	10433.2	11174.5	17924.6	11292.7	10826.2	10184.5	10433.2
51°	17689.6	11105.8	10616.7	10184.5	10433.2	11174.5	17689.6	11105.8	10616.7	10184.5	10433.2
51.5°	17402.5	10898.4	10374.8	9760.6	10187.3	10782.2	17402.5	10898.4	10374.8	9760.6	10187.3
52°	17157.2	10532.8	10126.1	9445.3	10187.3	10417.4	17157.2	10532.8	10126.1	9445.3	10187.3
52.5°	16870.0	10532.8	9885.0	9445.3	9978.4	10417.4	16870.0	10532.8	9885.0	9445.3	9978.4
53°	16626.1	10358.3	9655.5	9168.4	9330.5	10091.1	16626.1	10358.3	9655.5	9168.4	9330.5
53.5°	16326.6	10358.3	9437.7	9168.4	9330.5	10091.1	16326.6	10358.3	9437.7	9168.4	9330.5
54°	16044.9	10194.1	9053.7	8883.3	9108.6	9827.3	16044.9	10194.1	9053.7	8883.3	9108.6
54.5°	15465.0	10194.1	9053.7	8883.3	9108.6	9827.3	15465.0	10194.1	9053.7	8883.3	9108.6
55°	15158.6	10030.6	8822.1	8423.7	8965.0	9588.9	15158.6	10030.6	8822.1	8423.7	8965.0
55.5°	14863.9	9874.0	8706.7	8423.7	8886.7	9588.9	14863.9	9874.0	8706.7	8423.7	8886.7
56°	14543.7	9874.0	8619.5	8036.2	8763.7	9283.8	14543.7	9874.0	8619.5	8036.2	8763.7
56.5°	14244.2	9766.8	8532.9	7808.1	8587.9	9128.6	14244.2	9766.8	8532.9	7808.1	8587.9
57°	13931.6	8852.4	8306.2	7632.9	8393.4	8961.6	13931.6	8852.4	8306.2	7632.9	8393.4
57.5°	13634.8	8746.6	8216.9	7187.7	8248.5	8634.6	13634.8	8746.6	8216.9	7187.7	8248.5
58°	13315.3	8572.8	8072.6	7187.7	7940.7	8634.6	13315.3	8572.8	8072.6	7187.7	7940.7
58.5°	12994.5	8436.0	7571.8	6692.4	7389.0	8384.5	12994.5	8436.0	7571.8	6692.4	7389.0
59°	12370.7	8255.3	7571.8	6692.4	7389.0	8384.5	12370.7	8255.3	7571.8	6692.4	7389.0
59.5°	12060.1	7942.7	7008.4	6158.5	6745.9	8085.7	12060.1	7942.7	7008.4	6158.5	6745.9
60°	11733.8	7797.8	7008.4	6158.5	6745.9	8085.7	11733.8	7797.8	7008.4	6158.5	6745.9
60.5°	11421.2	7625.3	6470.4	5670.1	6287.7	7747.6	11421.2	7625.3	6470.4	5670.1	6287.7
61°	11107.9	7286.6	6193.6	5670.1	6137.9	7747.6	11107.9	7286.6	6193.6	5670.1	6137.9
61.5°	10811.8	7286.6	6073.3	5278.4	6137.9	7481.1	10811.8	7286.6	6073.3	5278.4	6137.9
62°	10494.4	7145.8	5816.4	4930.8	5912.6	7207.6	10494.4	7145.8	5816.4	4930.8	5912.6
62.5°	10199.0	7145.8	5617.8	4930.8	5912.6	7207.6	10199.0	7145.8	5617.8	4930.8	5912.6
63°	9876.7	6814.6	5433.0	4564.6	5245.5	6846.9	9876.7	6814.6	5433.0	4564.6	5245.5
63.5°	9589.6	6814.6	5064.8	4564.6	5044.2	6846.9	9589.6	6814.6	5064.8	4564.6	5044.2
64°	9288.0	6517.2	4816.8	4128.4	4879.3	6501.4	9288.0	6517.2	4816.8	4128.4	4879.3
64.5°	8694.4	6387.3	4816.8	4128.4	4686.9	6501.4	8694.4	6387.3	4816.8	4128.4	4686.9
65°	8412.7	6195.6	4335.2	3613.1	4478.7	6138.6	8412.7	6195.6	4335.2	3613.1	4478.7
65.5°	8120.7	5888.5	4139.4	3613.1	4269.2	6138.6	8120.7	5888.5	4139.4	3613.1	4269.2
66°	7851.4	5888.5	3947.7	3104.0	4004.0	5795.8	7851.4	5888.5	3947.7	3104.0	4004.0
66.5°	7560.8	5504.5	3754.6	3104.0	3532.7	5795.8	7560.8	5504.5	3754.6	3104.0	3532.7
67°	7290.8	5504.5	3516.9	2685.6	3532.7	5427.5	7290.8	5504.5	3516.9	2685.6	3532.7

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	7002.9	5163.0	3306.7	2344.1	3086.8	5013.3	7002.9	5163.0	3306.7	2344.1	3086.8
68°	6743.2	5163.0	3103.3	2344.1	3086.8	5013.3	6743.2	5163.0	3103.3	2344.1	3086.8
68.5°	6464.3	4815.4	2854.6	2011.6	2695.2	4545.4	6464.3	4815.4	2854.6	2011.6	2695.2
69°	6209.4	4649.8	2683.5	2011.6	2448.6	4545.4	6209.4	4649.8	2683.5	2011.6	2448.6
69.5°	5922.9	4454.0	2307.0	1682.5	2248.6	4123.6	5922.9	4454.0	2307.0	1682.5	2248.6
70°	5400.1	4271.3	2307.0	1682.5	2028.1	4123.6	5400.1	4271.3	2307.0	1682.5	2028.1
70.5°	5159.6	4052.1	1960.8	1399.5	1836.4	3774.5	5159.6	4052.1	1960.8	1399.5	1836.4
71°	4888.9	3626.1	1731.3	1399.5	1481.9	3774.5	4888.9	3626.1	1731.3	1399.5	1481.9
71.5°	4656.7	3626.1	1635.8	1182.4	1481.9	3408.4	4656.7	3626.1	1635.8	1182.4	1481.9
72°	4400.4	3210.5	1416.7	1050.5	1194.7	3050.4	4400.4	3210.5	1416.7	1050.5	1194.7
72.5°	4182.6	3210.5	1337.0	1016.1	1194.7	3050.4	4182.6	3210.5	1337.0	1016.1	1194.7
73°	3933.9	2815.4	1159.0	870.5	1023.7	2906.8	3933.9	2815.4	1159.0	870.5	1023.7
73.5°	3721.6	2815.4	1087.6	870.5	946.0	2558.5	3721.6	2815.4	1087.6	870.5	946.0
74°	3475.7	2430.7	889.0	717.9	868.4	2420.4	3475.7	2430.7	889.0	717.9	868.4
74.5°	3051.1	2208.8	889.0	717.9	783.2	2186.1	3051.1	2208.8	889.0	717.9	783.2
75°	2867.0	2050.1	764.0	563.4	703.5	2043.2	2867.0	2050.1	764.0	563.4	703.5
75.5°	2644.4	1725.1	764.0	563.4	652.0	1815.1	2644.4	1725.1	764.0	563.4	652.0
76°	2471.9	1725.1	648.6	440.4	595.0	1699.7	2471.9	1725.1	648.6	440.4	595.0
76.5°	2261.0	1436.6	562.7	440.4	473.4	1495.7	2261.0	1436.6	562.7	440.4	473.4
77°	2107.1	1436.6	516.0	380.6	473.4	1420.1	2107.1	1436.6	516.0	380.6	473.4
77.5°	1909.9	1159.7	459.6	345.6	435.6	1189.9	1909.9	1159.7	459.6	345.6	435.6
78°	1770.5	1020.9	417.7	345.6	384.7	1036.7	1770.5	1020.9	417.7	345.6	384.7
78.5°	1584.3	889.7	377.9	287.9	384.7	1000.3	1584.3	889.7	377.9	287.9	384.7
79°	1465.4	889.7	358.6	287.9	334.6	849.2	1465.4	889.7	358.6	287.9	334.6
79.5°	1293.0	661.6	311.2	239.8	287.9	823.1	1293.0	661.6	311.2	239.8	287.9
80°	1036.0	551.7	311.2	239.8	217.1	680.2	1036.0	551.7	311.2	239.8	217.1
80.5°	954.3	487.8	246.0	193.1	196.5	515.3	954.3	487.8	246.0	193.1	196.5
81°	814.1	364.8	195.8	193.1	188.2	515.3	814.1	364.8	195.8	193.1	188.2
81.5°	749.5	364.8	184.1	161.5	180.7	495.3	749.5	364.8	184.1	161.5	180.7
82°	624.5	285.1	160.1	161.5	150.5	379.9	624.5	285.1	160.1	161.5	150.5
82.5°	573.7	285.1	151.8	140.8	150.5	362.1	573.7	285.1	151.8	140.8	150.5
83°	468.6	220.5	141.5	114.7	120.9	268.6	468.6	220.5	141.5	114.7	120.9
83.5°	431.5	220.5	129.2	114.7	120.9	213.0	431.5	220.5	129.2	114.7	120.9
84°	345.6	166.3	114.7	94.1	103.7	201.3	345.6	166.3	114.7	94.1	103.7
84.5°	318.8	138.8	98.9	94.1	94.1	163.5	318.8	138.8	98.9	94.1	94.1
85°	248.7	120.9	77.6	81.1	83.8	153.2	248.7	120.9	77.6	81.1	83.8
85.5°	175.2	101.7	77.6	81.1	68.0	126.4	175.2	101.7	77.6	81.1	68.0
86°	160.8	85.2	64.6	67.3	49.5	123.0	160.8	85.2	64.6	67.3	49.5
86.5°	120.2	55.6	55.6	67.3	32.3	95.5	120.2	55.6	55.6	67.3	32.3
87°	102.4	55.6	49.5	50.2	32.3	90.7	102.4	55.6	49.5	50.2	32.3
87.5°	73.5	29.5	33.7	32.3	28.2	68.7	73.5	29.5	33.7	32.3	28.2
88°	61.8	29.5	29.5	30.2	28.2	50.2	61.8	29.5	29.5	30.2	28.2
88.5°	41.2	15.1	15.8	19.9	17.9	50.2	41.2	15.1	15.8	19.9	17.9
89°	41.2	15.1	11.0	19.9	11.0	36.4	41.2	15.1	11.0	19.9	11.0
89.5°	26.1	6.2	11.0	18.5	4.8	36.4	26.1	6.2	11.0	18.5	4.8

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	12.4	1.4	11.0	18.5	2.1	21.3	12.4	1.4	11.0	18.5	2.1
90.5°	12.4	1.4	11.0	13.7	0.7	21.3	12.4	1.4	11.0	13.7	0.7
91°	2.7	1.4	11.0	13.7	0.7	10.3	2.7	1.4	11.0	13.7	0.7
91.5°	2.7	1.4	3.4	6.9	0.7	10.3	2.7	1.4	3.4	6.9	0.7
92°	0.7	0.7	0.7	6.9	0.7	6.9	0.7	0.7	0.7	6.9	0.7
92.5°	0.7	0.7	0.7	2.1	0.7	6.9	0.7	0.7	0.7	2.1	0.7
93°	0.7	0.7	0.7	1.4	0.7	1.4	0.7	0.7	0.7	1.4	0.7
93.5°	0.7	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	1.4	0.7
94°	0.7	0.7	0.7	1.4	0.0	0.7	0.7	0.7	0.7	1.4	0.0
94.5°	0.7	0.7	0.7	1.4	0.0	0.7	0.7	0.7	0.7	1.4	0.0
95°	0.7	0.7	0.7	1.4	0.0	0.7	0.7	0.7	0.7	1.4	0.0
95.5°	0.7	0.7	0.7	1.4	0.0	0.7	0.7	0.7	0.7	1.4	0.0
96°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
96.5°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
97°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
97.5°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
98°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
98.5°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
99°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
99.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
100°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
100.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
101°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
101.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
102°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
102.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
103°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
103.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
104°	1.4	0.7	0.7	0.7	0.0	0.7	1.4	0.7	0.7	0.7	0.0
104.5°	1.4	0.7	0.7	0.7	0.7	0.7	1.4	0.7	0.7	0.7	0.7
105°	2.1	1.4	1.4	0.7	0.7	0.7	2.1	1.4	1.4	0.7	0.7
105.5°	2.1	2.1	1.4	0.7	0.7	0.7	2.1	2.1	1.4	0.7	0.7
106°	2.1	2.1	0.7	0.7	0.7	1.4	2.1	2.1	0.7	0.7	0.7
106.5°	2.1	2.1	0.7	0.7	0.7	1.4	2.1	2.1	0.7	0.7	0.7
107°	2.1	2.1	1.4	0.7	0.7	1.4	2.1	2.1	1.4	0.7	0.7
107.5°	2.1	2.1	1.4	0.7	1.4	1.4	2.1	2.1	1.4	0.7	1.4
108°	2.7	2.1	1.4	0.7	1.4	1.4	2.7	2.1	1.4	0.7	1.4
108.5°	2.7	2.1	1.4	1.4	1.4	2.1	2.7	2.1	1.4	1.4	1.4
109°	2.7	2.1	1.4	1.4	1.4	2.1	2.7	2.1	1.4	1.4	1.4
109.5°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
110°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
110.5°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
111°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
111.5°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
112°	3.4	2.7	1.4	1.4	1.4	2.1	3.4	2.7	1.4	1.4	1.4

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Scaled Data Report

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	3.4	2.7	2.1	1.4	1.4	2.7	3.4	2.7	2.1	1.4	1.4
113°	3.4	3.4	2.1	1.4	1.4	2.7	3.4	3.4	2.1	1.4	1.4
113.5°	3.4	3.4	2.1	1.4	1.4	2.7	3.4	3.4	2.1	1.4	1.4
114°	4.1	3.4	2.1	2.7	2.1	2.7	4.1	3.4	2.1	2.7	2.1
114.5°	4.1	3.4	2.7	2.7	2.1	2.7	4.1	3.4	2.7	2.7	2.1
115°	4.8	3.4	2.7	2.7	2.1	2.7	4.8	3.4	2.7	2.7	2.1
115.5°	4.8	3.4	2.7	2.7	2.7	2.7	4.8	3.4	2.7	2.7	2.7
116°	4.8	3.4	2.7	2.7	2.7	3.4	4.8	3.4	2.7	2.7	2.7
116.5°	4.8	4.1	2.7	2.7	2.7	3.4	4.8	4.1	2.7	2.7	2.7
117°	4.8	4.1	3.4	2.7	2.7	4.1	4.8	4.1	3.4	2.7	2.7
117.5°	4.8	4.1	3.4	2.7	2.7	4.1	4.8	4.1	3.4	2.7	2.7
118°	5.5	4.1	3.4	2.7	2.7	4.1	5.5	4.1	3.4	2.7	2.7
118.5°	5.5	4.8	3.4	2.7	2.7	4.1	5.5	4.8	3.4	2.7	2.7
119°	5.5	4.8	3.4	2.7	2.7	4.1	5.5	4.8	3.4	2.7	2.7
119.5°	6.2	4.8	3.4	2.7	3.4	4.1	6.2	4.8	3.4	2.7	3.4
120°	6.2	4.8	3.4	4.1	3.4	4.1	6.2	4.8	3.4	4.1	3.4
120.5°	6.2	4.8	3.4	4.1	3.4	4.1	6.2	4.8	3.4	4.1	3.4
121°	6.2	4.8	4.1	4.1	3.4	4.1	6.2	4.8	4.1	4.1	3.4
121.5°	6.9	4.8	4.1	4.1	3.4	4.8	6.9	4.8	4.1	4.1	3.4
122°	6.9	6.2	4.1	4.1	4.1	4.8	6.9	6.2	4.1	4.1	4.1
122.5°	6.2	6.2	4.8	4.1	4.1	5.5	6.2	6.2	4.8	4.1	4.1
123°	6.2	6.2	4.8	4.1	4.1	5.5	6.2	6.2	4.8	4.1	4.1
123.5°	6.9	6.2	4.8	4.1	4.1	5.5	6.9	6.2	4.8	4.1	4.1
124°	6.9	6.2	4.8	4.1	4.8	5.5	6.9	6.2	4.8	4.1	4.8
124.5°	6.9	6.2	4.8	4.1	4.8	5.5	6.9	6.2	4.8	4.1	4.8
125°	7.6	6.2	4.8	4.1	4.8	5.5	7.6	6.2	4.8	4.1	4.8
125.5°	7.6	6.2	4.8	4.8	4.8	5.5	7.6	6.2	4.8	4.8	4.8
126°	7.6	6.9	5.5	4.8	4.8	6.9	7.6	6.9	5.5	4.8	4.8
126.5°	7.6	6.9	5.5	5.5	4.8	6.9	7.6	6.9	5.5	5.5	4.8
127°	7.6	6.9	6.2	5.5	4.8	6.9	7.6	6.9	6.2	5.5	4.8
127.5°	7.6	7.6	6.2	5.5	5.5	6.9	7.6	7.6	6.2	5.5	5.5
128°	8.2	7.6	6.2	5.5	5.5	6.9	8.2	7.6	6.2	5.5	5.5
128.5°	8.2	7.6	6.2	5.5	6.2	6.9	8.2	7.6	6.2	5.5	6.2
129°	8.2	7.6	6.2	5.5	6.2	6.9	8.2	7.6	6.2	5.5	6.2
129.5°	8.9	7.6	6.2	5.5	6.2	7.6	8.9	7.6	6.2	5.5	6.2
130°	8.9	7.6	6.2	5.5	6.2	7.6	8.9	7.6	6.2	5.5	6.2
130.5°	8.9	8.2	6.2	5.5	6.2	7.6	8.9	8.2	6.2	5.5	6.2
131°	8.9	8.2	6.2	6.9	6.2	7.6	8.9	8.2	6.2	6.9	6.2
131.5°	8.9	8.2	6.2	6.9	6.2	8.2	8.9	8.2	6.2	6.9	6.2
132°	8.9	8.9	6.9	6.9	6.9	8.2	8.9	8.9	6.9	6.9	6.9
132.5°	9.6	8.9	7.6	6.9	7.6	8.2	9.6	8.9	7.6	6.9	7.6
133°	9.6	8.9	7.6	6.9	6.9	8.2	9.6	8.9	7.6	6.9	6.9
133.5°	9.6	8.9	7.6	6.9	6.9	8.2	9.6	8.9	7.6	6.9	6.9
134°	9.6	8.9	7.6	6.9	7.6	8.2	9.6	8.9	7.6	6.9	7.6
134.5°	9.6	8.9	7.6	6.9	7.6	8.2	9.6	8.9	7.6	6.9	7.6

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	9.6	8.9	7.6	6.9	7.6	8.9	9.6	8.9	7.6	6.9	7.6
135.5°	10.3	8.9	7.6	7.6	7.6	8.9	10.3	8.9	7.6	7.6	7.6
136°	10.3	8.9	7.6	8.2	7.6	8.9	10.3	8.9	7.6	8.2	7.6
136.5°	10.3	8.9	8.9	8.2	7.6	8.9	10.3	8.9	8.9	8.2	7.6
137°	10.3	9.6	8.9	8.2	7.6	9.6	10.3	9.6	8.9	8.2	7.6
137.5°	10.3	10.3	8.2	8.2	7.6	9.6	10.3	10.3	8.2	8.2	7.6
138°	10.3	10.3	8.9	8.2	8.2	9.6	10.3	10.3	8.9	8.2	8.2
138.5°	10.3	10.3	8.9	8.2	8.9	9.6	10.3	10.3	8.9	8.2	8.9
139°	11.0	10.3	8.9	8.2	8.9	9.6	11.0	10.3	8.9	8.2	8.9
139.5°	11.0	10.3	8.9	8.2	8.9	10.3	11.0	10.3	8.9	8.2	8.9
140°	11.0	10.3	8.9	8.2	8.9	10.3	11.0	10.3	8.9	8.2	8.9
140.5°	11.0	11.0	8.9	8.9	8.9	10.3	11.0	11.0	8.9	8.9	8.9
141°	11.0	11.0	8.9	9.6	8.9	10.3	11.0	11.0	8.9	9.6	8.9
141.5°	11.7	11.0	9.6	9.6	8.9	10.3	11.7	11.0	9.6	9.6	8.9
142°	11.7	11.0	10.3	9.6	8.9	10.3	11.7	11.0	10.3	9.6	8.9
142.5°	11.7	11.0	10.3	9.6	9.6	11.0	11.7	11.0	10.3	9.6	9.6
143°	11.7	11.7	10.3	9.6	10.3	11.0	11.7	11.7	10.3	9.6	10.3
143.5°	11.7	11.7	10.3	9.6	10.3	11.0	11.7	11.7	10.3	9.6	10.3
144°	11.7	11.7	10.3	9.6	10.3	11.0	11.7	11.7	10.3	9.6	10.3
144.5°	12.4	11.7	10.3	9.6	10.3	11.0	12.4	11.7	10.3	9.6	10.3
145°	12.4	12.4	10.3	10.3	10.3	11.7	12.4	12.4	10.3	10.3	10.3
145.5°	12.4	12.4	10.3	11.0	10.3	11.7	12.4	12.4	10.3	11.0	10.3
146°	13.1	12.4	11.0	11.0	10.3	11.7	13.1	12.4	11.0	11.0	10.3
146.5°	12.4	12.4	11.0	11.0	10.3	11.7	12.4	12.4	11.0	11.0	10.3
147°	12.4	12.4	11.0	11.0	11.0	11.7	12.4	12.4	11.0	11.0	11.0
147.5°	13.1	12.4	11.7	11.0	11.0	11.7	13.1	12.4	11.7	11.0	11.0
148°	13.1	12.4	11.7	11.0	11.0	11.7	13.1	12.4	11.7	11.0	11.0
148.5°	13.1	12.4	11.7	11.0	11.0	11.7	13.1	12.4	11.7	11.0	11.0
149°	13.1	12.4	11.7	11.0	11.0	12.4	13.1	12.4	11.7	11.0	11.0
149.5°	13.1	12.4	11.7	11.0	11.7	12.4	13.1	12.4	11.7	11.0	11.7
150°	13.1	12.4	11.7	11.7	11.7	13.1	13.1	12.4	11.7	11.7	11.7
150.5°	13.1	13.1	11.7	12.4	11.7	13.1	13.1	13.1	11.7	12.4	11.7
151°	13.7	13.1	11.7	12.4	11.7	13.1	13.7	13.1	11.7	12.4	11.7
151.5°	13.7	13.1	12.4	12.4	11.7	13.1	13.7	13.1	12.4	12.4	11.7
152°	13.7	13.1	12.4	12.4	11.7	13.1	13.7	13.1	12.4	12.4	11.7
152.5°	13.7	13.7	12.4	12.4	12.4	13.1	13.7	13.7	12.4	12.4	12.4
153°	14.4	13.7	13.1	12.4	12.4	13.1	14.4	13.7	13.1	12.4	12.4
153.5°	14.4	13.7	13.1	12.4	12.4	13.1	14.4	13.7	13.1	12.4	12.4
154°	14.4	13.7	13.1	12.4	12.4	13.1	14.4	13.7	13.1	12.4	12.4
154.5°	14.4	13.7	13.1	13.7	12.4	13.7	14.4	13.7	13.1	13.7	12.4
155°	14.4	13.7	13.1	13.7	13.1	13.7	14.4	13.7	13.1	13.7	13.1
155.5°	14.4	13.7	13.1	13.7	13.1	13.7	14.4	13.7	13.1	13.7	13.1
156°	14.4	13.7	13.1	13.7	13.1	13.7	14.4	13.7	13.1	13.7	13.1
156.5°	14.4	13.7	13.1	13.7	13.1	13.7	14.4	13.7	13.1	13.7	13.1
157°	14.4	13.7	13.1	13.7	13.1	13.7	14.4	13.7	13.1	13.7	13.1

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TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	14.4	14.4	13.7	13.7	13.1	13.7	14.4	14.4	13.7	13.7	13.1
158°	14.4	14.4	13.7	13.7	13.1	13.7	14.4	14.4	13.7	13.7	13.1
158.5°	14.4	14.4	13.7	13.7	13.1	13.7	14.4	14.4	13.7	13.7	13.1
159°	14.4	14.4	14.4	13.7	13.1	13.7	14.4	14.4	14.4	13.7	13.1
159.5°	14.4	15.1	14.4	13.7	13.1	14.4	14.4	15.1	14.4	13.7	13.1
160°	14.4	15.1	14.4	14.4	13.1	14.4	14.4	15.1	14.4	14.4	13.1
160.5°	14.4	15.1	14.4	15.1	14.4	15.1	14.4	15.1	14.4	15.1	14.4
161°	14.4	15.1	14.4	14.4	14.4	15.1	14.4	15.1	14.4	14.4	14.4
161.5°	14.4	15.1	14.4	14.4	14.4	15.1	14.4	15.1	14.4	14.4	14.4
162°	14.4	15.1	14.4	15.1	14.4	15.1	14.4	15.1	14.4	15.1	14.4
162.5°	14.4	15.1	14.4	15.1	14.4	15.1	14.4	15.1	14.4	15.1	14.4
163°	15.1	15.1	14.4	15.1	14.4	15.1	15.1	15.1	14.4	15.1	14.4
163.5°	15.1	15.1	15.1	15.1	14.4	15.1	15.1	15.1	15.1	15.1	14.4
164°	15.1	15.1	15.1	15.1	14.4	15.1	15.1	15.1	15.1	15.1	14.4
164.5°	15.1	15.1	15.8	15.1	14.4	15.1	15.1	15.1	15.8	15.1	14.4
165°	15.1	15.1	15.8	15.8	15.1	15.1	15.1	15.1	15.8	15.8	15.1
165.5°	15.8	15.1	15.8	15.8	15.1	15.1	15.8	15.1	15.8	15.8	15.1
166°	15.8	15.1	15.8	15.8	15.1	15.1	15.8	15.1	15.8	15.8	15.1
166.5°	15.8	15.1	15.8	15.8	15.1	15.1	15.8	15.1	15.8	15.8	15.1
167°	15.8	15.8	15.8	15.8	15.1	15.1	15.8	15.8	15.8	15.8	15.1
167.5°	15.8	15.8	15.8	15.8	15.1	15.1	15.8	15.8	15.8	15.8	15.1
168°	15.8	15.8	15.8	15.8	15.1	15.1	15.8	15.8	15.8	15.8	15.1
168.5°	15.8	15.8	15.8	15.8	15.1	15.1	15.8	15.8	15.8	15.8	15.1
169°	15.8	15.8	15.8	15.8	15.8	15.1	15.8	15.8	15.8	15.8	15.8
169.5°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
170°	15.8	15.8	15.8	16.5	15.8	15.8	15.8	15.8	15.8	16.5	15.8
170.5°	15.8	16.5	16.5	16.5	15.8	15.1	15.8	16.5	16.5	16.5	15.8
171°	15.8	16.5	16.5	16.5	15.8	15.1	15.8	16.5	16.5	16.5	15.8
171.5°	15.8	16.5	15.8	16.5	15.8	15.8	15.8	16.5	15.8	16.5	15.8
172°	15.8	16.5	15.8	16.5	15.8	16.5	15.8	16.5	15.8	16.5	15.8
172.5°	15.8	16.5	16.5	16.5	15.8	16.5	15.8	16.5	16.5	16.5	15.8
173°	15.8	16.5	16.5	16.5	15.8	16.5	15.8	16.5	16.5	16.5	15.8
173.5°	15.8	16.5	15.8	16.5	15.8	15.8	15.8	16.5	15.8	16.5	15.8
174°	15.8	16.5	16.5	16.5	16.5	15.8	15.8	16.5	16.5	16.5	16.5
174.5°	15.8	16.5	16.5	16.5	16.5	15.8	15.8	16.5	16.5	16.5	16.5
175°	15.8	15.8	16.5	16.5	16.5	16.5	15.8	15.8	16.5	16.5	16.5
175.5°	15.8	15.8	16.5	16.5	16.5	16.5	15.8	15.8	16.5	16.5	16.5
176°	15.8	16.5	16.5	16.5	16.5	16.5	15.8	16.5	16.5	16.5	16.5
176.5°	15.8	16.5	16.5	16.5	16.5	16.5	15.8	16.5	16.5	16.5	16.5
177°	15.8	16.5	16.5	16.5	16.5	16.5	15.8	16.5	16.5	16.5	16.5
177.5°	15.8	16.5	16.5	17.2	16.5	16.5	15.8	16.5	16.5	17.2	16.5
178°	15.8	16.5	16.5	17.9	16.5	16.5	15.8	16.5	16.5	17.9	16.5
178.5°	16.5	16.5	16.5	17.2	16.5	16.5	16.5	16.5	16.5	17.2	16.5
179°	16.5	16.5	16.5	17.2	16.5	16.5	16.5	16.5	16.5	17.2	16.5
179.5°	15.8	16.5	16.5	17.9	16.5	16.5	15.8	16.5	16.5	17.9	16.5

TEST NUMBER: P1594640
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	16.6	*16.6*	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6

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Peachtree City, GA 30269

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TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	26864.8	26864.8
0.5°	26864.8	26864.8
1°	*26847.1*	*26847.1*
1.5°	26847.1	26838.1
2°	26844.3	26856.0
2.5°	26833.3	26840.9
3°	26816.1	26816.1
3.5°	26816.1	26823.0
4°	26796.2	26823.7
4.5°	26796.2	26820.3
5°	26759.8	26794.8
5.5°	26723.4	26776.3
6°	26723.4	26764.6
6.5°	26686.3	26772.2
7°	26686.3	26759.1
7.5°	26633.4	26729.6
8°	26633.4	26694.5
8.5°	26588.0	26685.6
9°	26588.0	26663.6
9.5°	26509.0	26623.1
10°	26509.0	26601.8
10.5°	26445.8	26579.8
11°	26367.5	26571.6
11.5°	26367.5	26538.6
12°	26287.1	26498.7
12.5°	26287.1	26457.5
13°	26206.1	26447.9
13.5°	26206.1	26382.6
14°	26096.8	26329.0
14.5°	26096.8	26304.3
15°	25989.0	26274.1
15.5°	25922.3	26245.9
16°	25877.0	26195.8
16.5°	25755.4	26147.7
17°	25755.4	26098.9
17.5°	25637.9	26080.3
18°	25637.9	25982.1
18.5°	25496.4	25919.6
19°	25496.4	25888.0
19.5°	25363.8	25847.4
20°	25363.8	25801.4
20.5°	25196.8	25734.1
21°	25036.7	25679.1
21.5°	25036.7	25625.5
22°	24869.1	25589.8

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	24869.1	25533.5
23°	24674.7	25464.1
23.5°	24674.7	25350.7
24°	24486.4	25297.1
24.5°	24486.4	25232.5
25°	24263.1	25151.5
25.5°	24263.1	25091.0
26°	24049.5	25027.1
26.5°	23949.2	24974.2
27°	23815.2	24900.7
27.5°	23567.9	24819.6
28°	23567.9	24735.8
28.5°	23308.2	24686.3
29°	23308.2	24534.5
29.5°	23007.9	24534.5
30°	23007.9	24373.1
30.5°	22709.8	24296.1
31°	22514.6	24226.0
31.5°	22376.6	24038.5
32°	22030.3	24038.5
32.5°	22030.3	23945.0
33°	21638.0	23945.0
33.5°	21638.0	23682.6
34°	21215.5	23570.6
34.5°	21215.5	23492.3
35°	20773.7	23396.1
35.5°	20773.7	23298.5
36°	20261.9	23177.6
36.5°	19725.3	23071.8
37°	19725.3	22961.2
37.5°	19122.8	22872.6
38°	19122.8	22753.0
38.5°	18501.7	22630.1
39°	18501.7	22399.2
39.5°	17861.4	22272.1
40°	17861.4	22153.3
40.5°	17192.2	21998.0
41°	17192.2	21879.8
41.5°	16527.2	21734.2
42°	15888.2	21616.7
42.5°	15888.2	21454.6
43°	15259.6	21304.1
43.5°	15259.6	21001.8
44°	14659.1	21001.8
44.5°	14659.1	20664.5

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	14069.0	20462.5
45.5°	14069.0	20310.0
46°	13515.2	20111.4
46.5°	13304.3	19946.5
47°	12962.2	19721.2
47.5°	12437.3	19528.8
48°	12437.3	19294.5
48.5°	11972.2	19118.7
49°	11972.2	18660.4
49.5°	11559.3	18396.6
50°	11559.3	18188.4
50.5°	11174.5	17924.6
51°	11174.5	17689.6
51.5°	10782.2	17402.5
52°	10417.4	17157.2
52.5°	10417.4	16870.0
53°	10091.1	16626.1
53.5°	10091.1	16326.6
54°	9827.3	16044.9
54.5°	9827.3	15465.0
55°	9588.9	15158.6
55.5°	9588.9	14863.9
56°	9283.8	14543.7
56.5°	9128.6	14244.2
57°	8961.6	13931.6
57.5°	8634.6	13634.8
58°	8634.6	13315.3
58.5°	8384.5	12994.5
59°	8384.5	12370.7
59.5°	8085.7	12060.1
60°	8085.7	11733.8
60.5°	7747.6	11421.2
61°	7747.6	11107.9
61.5°	7481.1	10811.8
62°	7207.6	10494.4
62.5°	7207.6	10199.0
63°	6846.9	9876.7
63.5°	6846.9	9589.6
64°	6501.4	9288.0
64.5°	6501.4	8694.4
65°	6138.6	8412.7
65.5°	6138.6	8120.7
66°	5795.8	7851.4
66.5°	5795.8	7560.8
67°	5427.5	7290.8

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	5013.3	7002.9
68°	5013.3	6743.2
68.5°	4545.4	6464.3
69°	4545.4	6209.4
69.5°	4123.6	5922.9
70°	4123.6	5400.1
70.5°	3774.5	5159.6
71°	3774.5	4888.9
71.5°	3408.4	4656.7
72°	3050.4	4400.4
72.5°	3050.4	4182.6
73°	2906.8	3933.9
73.5°	2558.5	3721.6
74°	2420.4	3475.7
74.5°	2186.1	3051.1
75°	2043.2	2867.0
75.5°	1815.1	2644.4
76°	1699.7	2471.9
76.5°	1495.7	2261.0
77°	1420.1	2107.1
77.5°	1189.9	1909.9
78°	1036.7	1770.5
78.5°	1000.3	1584.3
79°	849.2	1465.4
79.5°	823.1	1293.0
80°	680.2	1036.0
80.5°	515.3	954.3
81°	515.3	814.1
81.5°	495.3	749.5
82°	379.9	624.5
82.5°	362.1	573.7
83°	268.6	468.6
83.5°	213.0	431.5
84°	201.3	345.6
84.5°	163.5	318.8
85°	153.2	248.7
85.5°	126.4	175.2
86°	123.0	160.8
86.5°	95.5	120.2
87°	90.7	102.4
87.5°	68.7	73.5
88°	50.2	61.8
88.5°	50.2	41.2
89°	36.4	41.2
89.5°	36.4	26.1

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	21.3	12.4
90.5°	21.3	12.4
91°	10.3	2.7
91.5°	10.3	2.7
92°	6.9	0.7
92.5°	6.9	0.7
93°	1.4	0.7
93.5°	0.7	0.7
94°	0.7	0.7
94.5°	0.7	0.7
95°	0.7	0.7
95.5°	0.7	0.7
96°	0.7	0.7
96.5°	0.7	0.7
97°	0.7	0.7
97.5°	0.7	0.7
98°	0.7	0.7
98.5°	0.7	0.7
99°	0.7	0.7
99.5°	0.7	1.4
100°	0.7	1.4
100.5°	0.7	1.4
101°	0.7	1.4
101.5°	0.7	1.4
102°	0.7	1.4
102.5°	0.7	1.4
103°	0.7	1.4
103.5°	0.7	1.4
104°	0.7	1.4
104.5°	0.7	1.4
105°	0.7	2.1
105.5°	0.7	2.1
106°	1.4	2.1
106.5°	1.4	2.1
107°	1.4	2.1
107.5°	1.4	2.1
108°	1.4	2.7
108.5°	2.1	2.7
109°	2.1	2.7
109.5°	2.1	3.4
110°	2.1	3.4
110.5°	2.1	3.4
111°	2.1	3.4
111.5°	2.1	3.4
112°	2.1	3.4

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

Scaled Data Report

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
112.5°	2.7	3.4
113°	2.7	3.4
113.5°	2.7	3.4
114°	2.7	4.1
114.5°	2.7	4.1
115°	2.7	4.8
115.5°	2.7	4.8
116°	3.4	4.8
116.5°	3.4	4.8
117°	4.1	4.8
117.5°	4.1	4.8
118°	4.1	5.5
118.5°	4.1	5.5
119°	4.1	5.5
119.5°	4.1	6.2
120°	4.1	6.2
120.5°	4.1	6.2
121°	4.1	6.2
121.5°	4.8	6.9
122°	4.8	6.9
122.5°	5.5	6.2
123°	5.5	6.2
123.5°	5.5	6.9
124°	5.5	6.9
124.5°	5.5	6.9
125°	5.5	7.6
125.5°	5.5	7.6
126°	6.9	7.6
126.5°	6.9	7.6
127°	6.9	7.6
127.5°	6.9	7.6
128°	6.9	8.2
128.5°	6.9	8.2
129°	6.9	8.2
129.5°	7.6	8.9
130°	7.6	8.9
130.5°	7.6	8.9
131°	7.6	8.9
131.5°	8.2	8.9
132°	8.2	8.9
132.5°	8.2	9.6
133°	8.2	9.6
133.5°	8.2	9.6
134°	8.2	9.6
134.5°	8.2	9.6

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	8.9	9.6
135.5°	8.9	10.3
136°	8.9	10.3
136.5°	8.9	10.3
137°	9.6	10.3
137.5°	9.6	10.3
138°	9.6	10.3
138.5°	9.6	10.3
139°	9.6	11.0
139.5°	10.3	11.0
140°	10.3	11.0
140.5°	10.3	11.0
141°	10.3	11.0
141.5°	10.3	11.7
142°	10.3	11.7
142.5°	11.0	11.7
143°	11.0	11.7
143.5°	11.0	11.7
144°	11.0	11.7
144.5°	11.0	12.4
145°	11.7	12.4
145.5°	11.7	12.4
146°	11.7	13.1
146.5°	11.7	12.4
147°	11.7	12.4
147.5°	11.7	13.1
148°	11.7	13.1
148.5°	11.7	13.1
149°	12.4	13.1
149.5°	12.4	13.1
150°	13.1	13.1
150.5°	13.1	13.1
151°	13.1	13.7
151.5°	13.1	13.7
152°	13.1	13.7
152.5°	13.1	13.7
153°	13.1	14.4
153.5°	13.1	14.4
154°	13.1	14.4
154.5°	13.7	14.4
155°	13.7	14.4
155.5°	13.7	14.4
156°	13.7	14.4
156.5°	13.7	14.4
157°	13.7	14.4

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
157.5°	13.7	14.4
158°	13.7	14.4
158.5°	13.7	14.4
159°	13.7	14.4
159.5°	14.4	14.4
160°	14.4	14.4
160.5°	15.1	14.4
161°	15.1	14.4
161.5°	15.1	14.4
162°	15.1	14.4
162.5°	15.1	14.4
163°	15.1	15.1
163.5°	15.1	15.1
164°	15.1	15.1
164.5°	15.1	15.1
165°	15.1	15.1
165.5°	15.1	15.8
166°	15.1	15.8
166.5°	15.1	15.8
167°	15.1	15.8
167.5°	15.1	15.8
168°	15.1	15.8
168.5°	15.1	15.8
169°	15.1	15.8
169.5°	15.8	15.8
170°	15.8	15.8
170.5°	15.1	15.8
171°	15.1	15.8
171.5°	15.8	15.8
172°	16.5	15.8
172.5°	16.5	15.8
173°	16.5	15.8
173.5°	15.8	15.8
174°	15.8	15.8
174.5°	15.8	15.8
175°	16.5	15.8
175.5°	16.5	15.8
176°	16.5	15.8
176.5°	16.5	15.8
177°	16.5	15.8
177.5°	16.5	15.8
178°	16.5	15.8
178.5°	16.5	16.5
179°	16.5	16.5
179.5°	16.5	15.8

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	16.6	16.6

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

Scaled Data Report

TEST NUMBER: P1594640
CATALOG NUMBER: FLXB-4860-M-HI-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	28.4	29.9	28.7	30.2	30.5	26.3	27.8	26.6	28.1	28.4
	3H	29.8	31.2	30.2	31.5	31.9	26.7	28.0	27.1	28.4	28.7
	4H	30.2	31.4	30.6	31.8	32.1	26.7	27.9	27.1	28.3	28.7
	6H	30.3	31.4	30.7	31.8	32.2	26.6	27.8	27.0	28.2	28.6
	8H	30.2	31.3	30.7	31.7	32.1	26.6	27.7	27.0	28.1	28.5
	12H	30.2	31.3	30.7	31.7	32.1	26.6	27.6	27.0	28.0	28.4
4H	2H	28.6	29.9	29.0	30.2	30.6	26.8	28.1	27.2	28.4	28.8
	3H	30.2	31.2	30.6	31.6	32.0	27.3	28.3	27.7	28.7	29.1
	4H	30.6	31.5	31.0	31.9	32.3	27.3	28.2	27.7	28.6	29.0
	6H	30.7	31.5	31.2	31.9	32.4	27.2	28.0	27.7	28.5	28.9
	8H	30.7	31.4	31.2	31.9	32.4	27.2	27.9	27.7	28.4	28.9
	12H	30.7	31.3	31.2	31.8	32.3	27.2	27.8	27.6	28.3	28.8
8H	4H	30.5	31.3	31.0	31.7	32.2	27.4	28.1	27.8	28.6	29.0
	6H	30.6	31.3	31.1	31.8	32.2	27.3	27.9	27.8	28.4	28.9
	8H	30.6	31.2	31.2	31.7	32.2	27.3	27.8	27.8	28.3	28.8
	12H	30.6	31.1	31.1	31.6	32.2	27.3	27.7	27.8	28.2	28.8
12H	4H	30.5	31.1	31.0	31.6	32.1	27.4	28.0	27.8	28.5	29.0
	6H	30.6	31.2	31.1	31.6	32.2	27.3	27.9	27.8	28.3	28.9
	8H	30.6	31.1	31.1	31.6	32.2	27.3	27.8	27.8	28.3	28.8

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

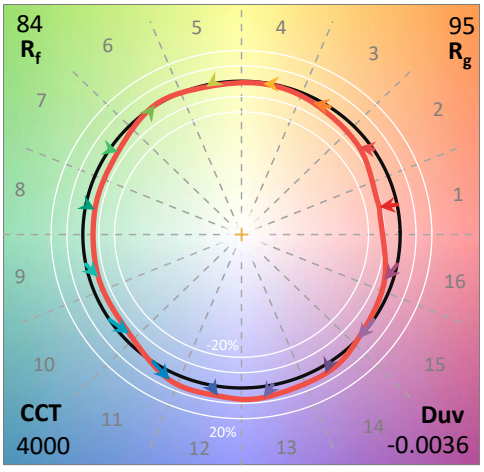
Test Information

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

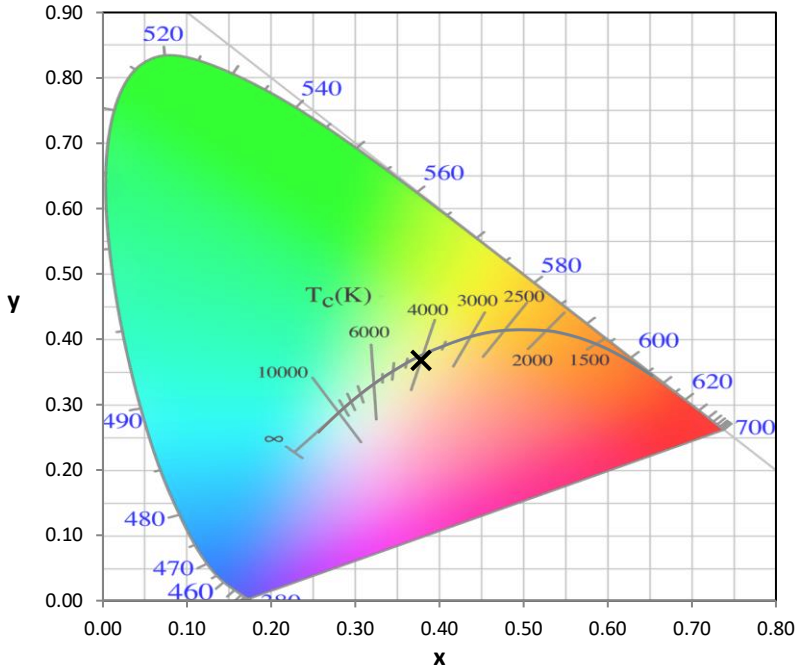
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-3

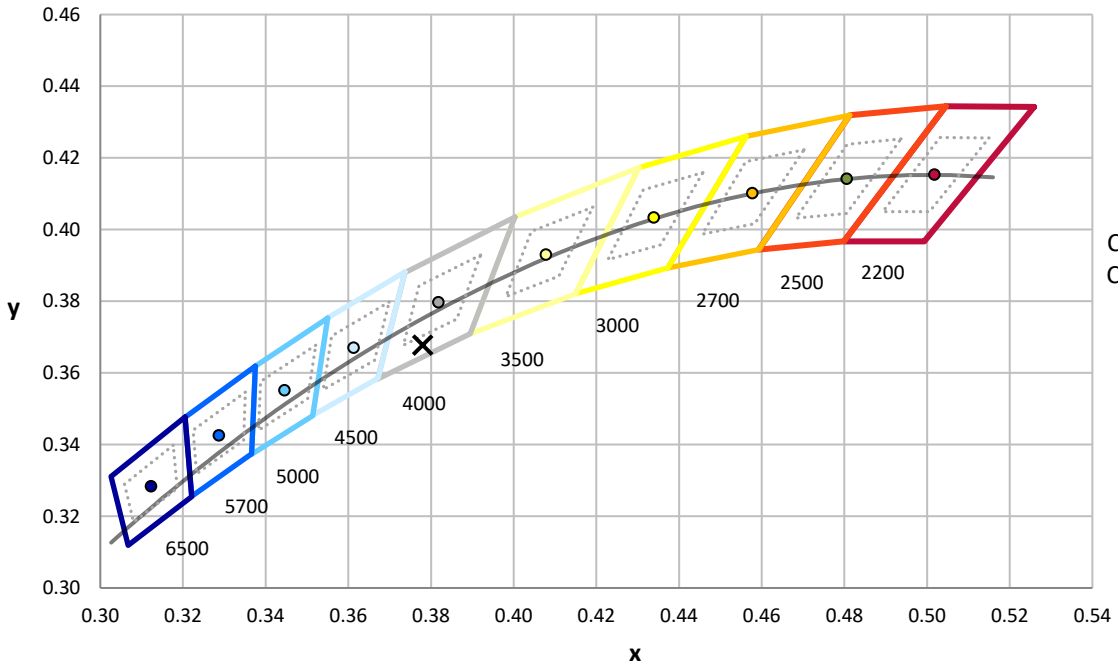
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

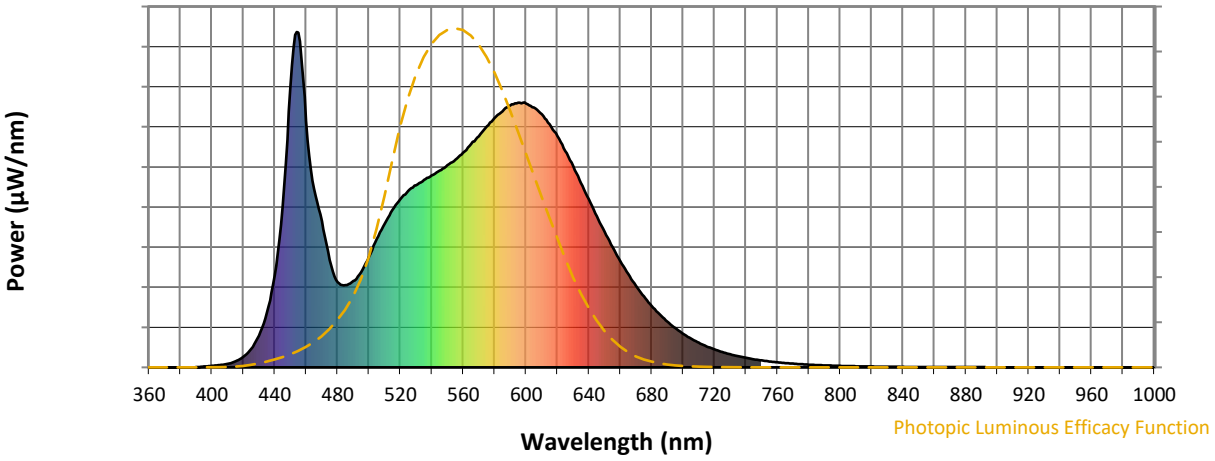


CCT = 4000K
CIE x = 0.3780
CIE y = 0.3677
Duv = -0.0036

Point lies inside the ANSI 4000K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-3

Photopic Flux vs. Wavelength

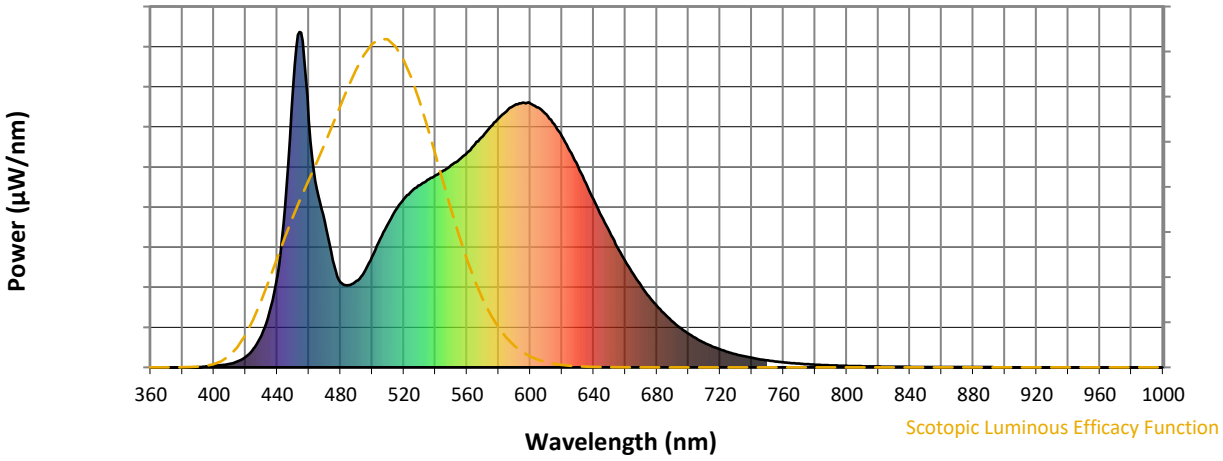


Photopic Lumens: NR

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

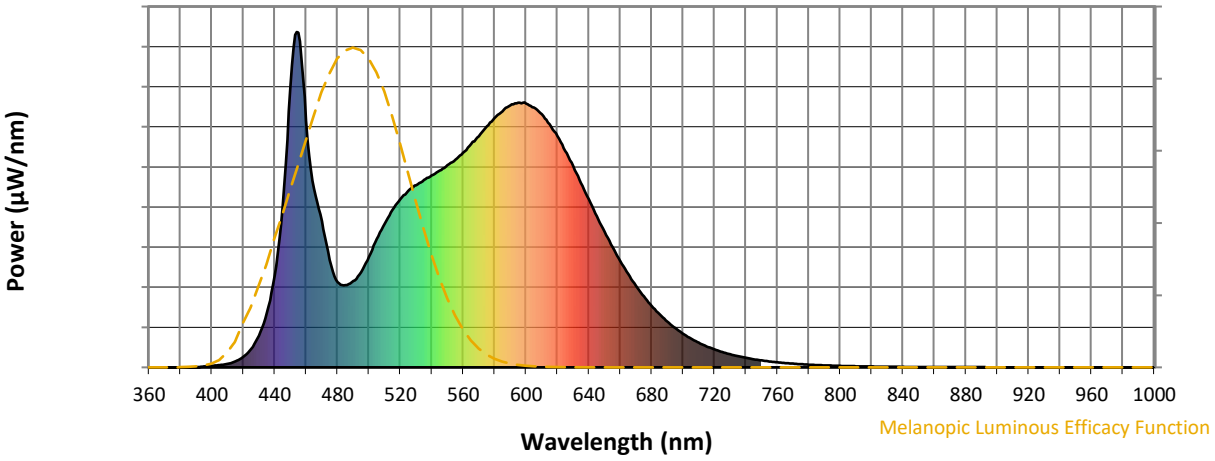


Scotopic Lumens: NR **S/P: 1.73**

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			

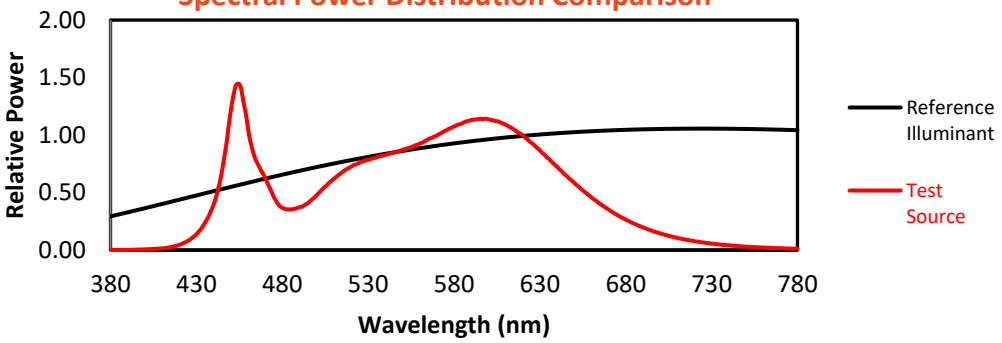
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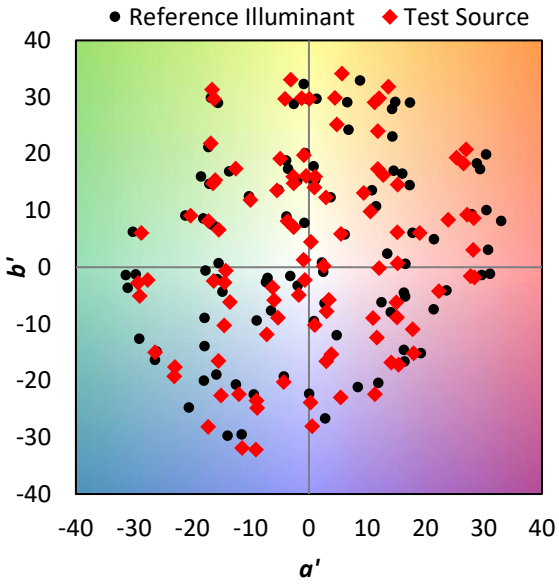
Summary

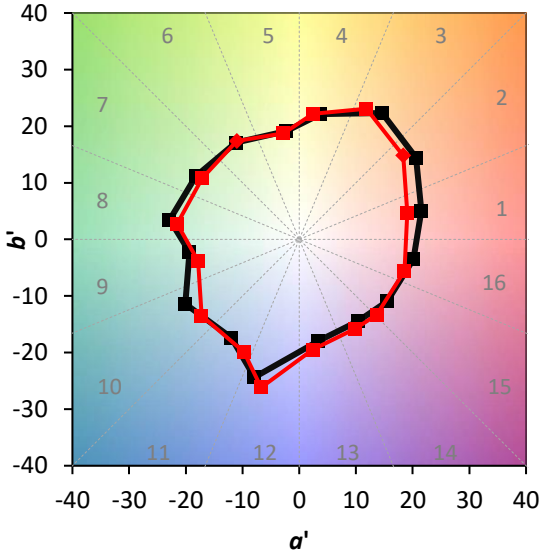
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R_g = 95.3
CIE R_a = 84.8
R_9 = 16.8

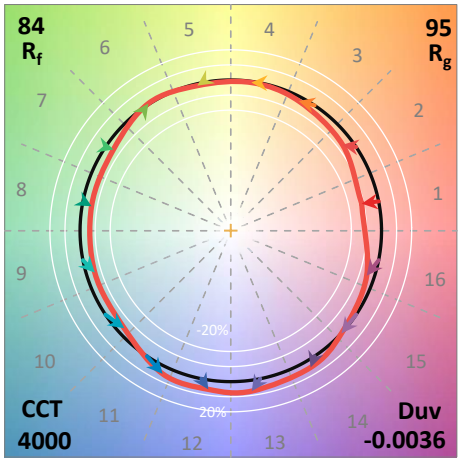
Spectral Power Distribution Comparison

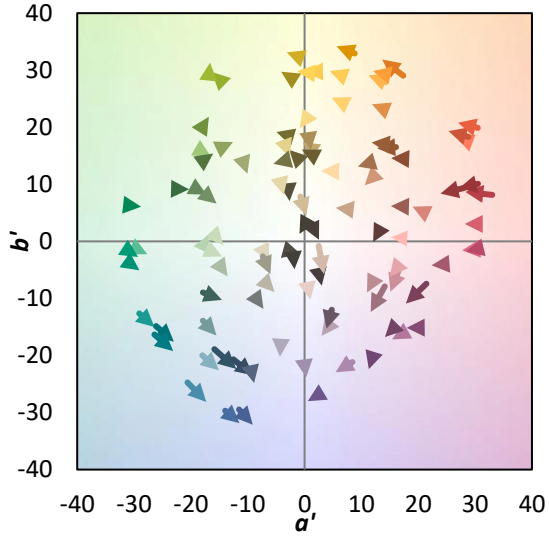


Color Vector Graphics







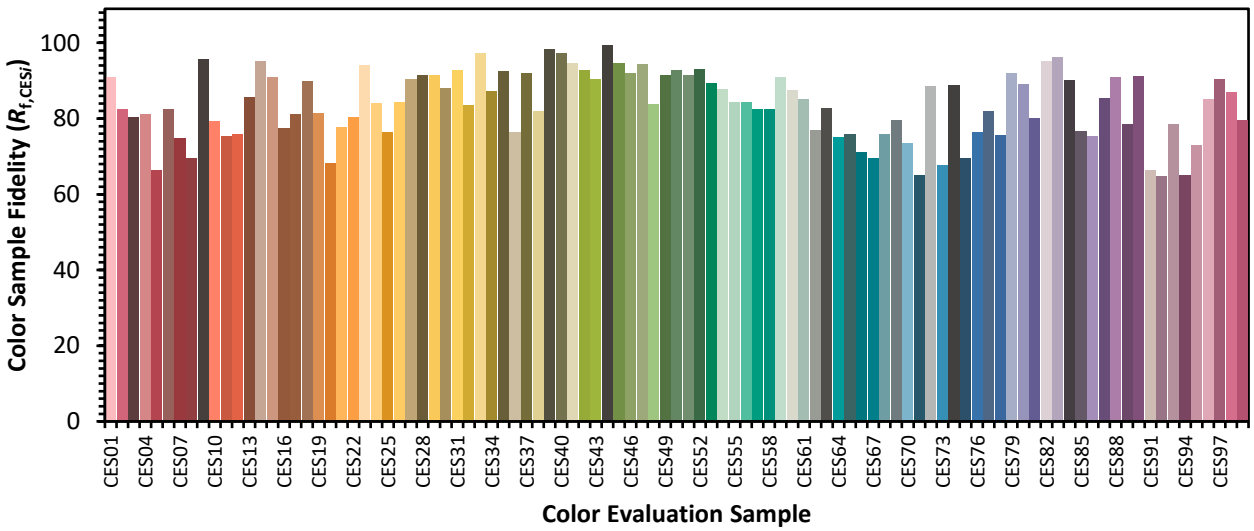


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Individual Sample Fidelity Index ($R_{f,i}$)

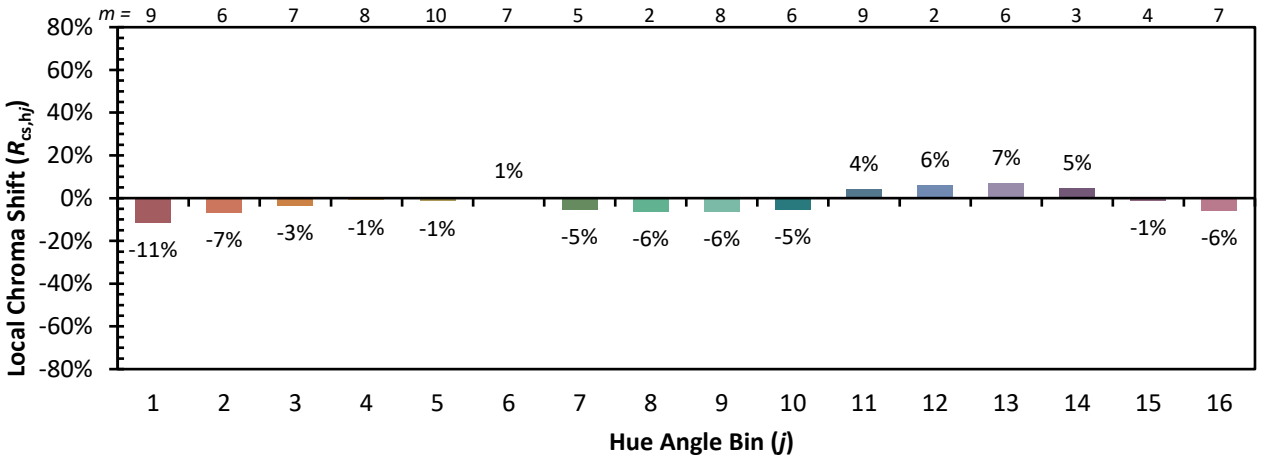
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CES02 = 61	CES27 = 90	CES52 = 93	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 89	CES78 = 76
CES04 = 70	CES29 = 91	CES54 = 88	CES79 = 92
CES05 = 48	CES30 = 88	CES55 = 84	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 84	CES81 = 80
CES07 = 41	CES32 = 84	CES57 = 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	

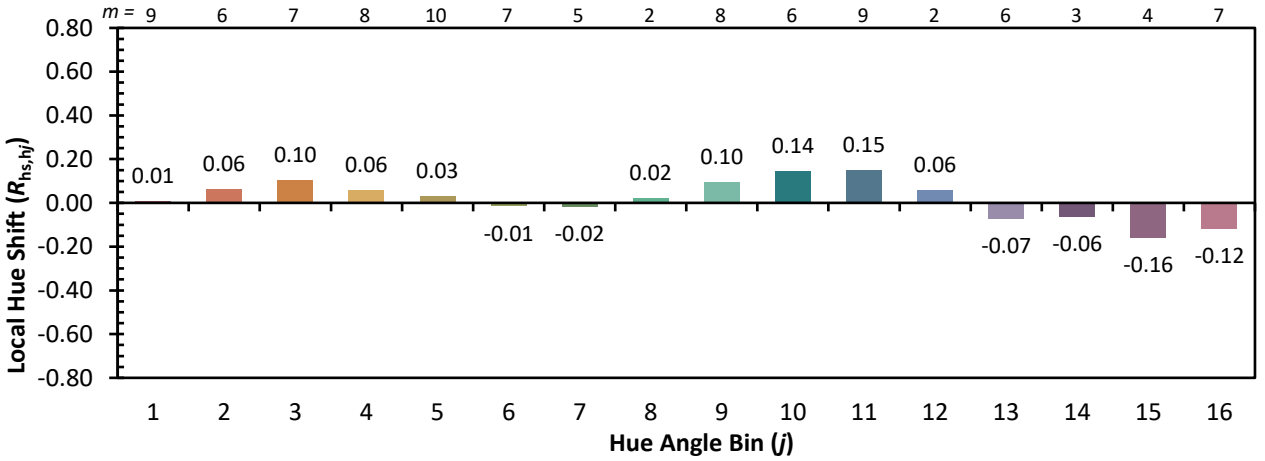


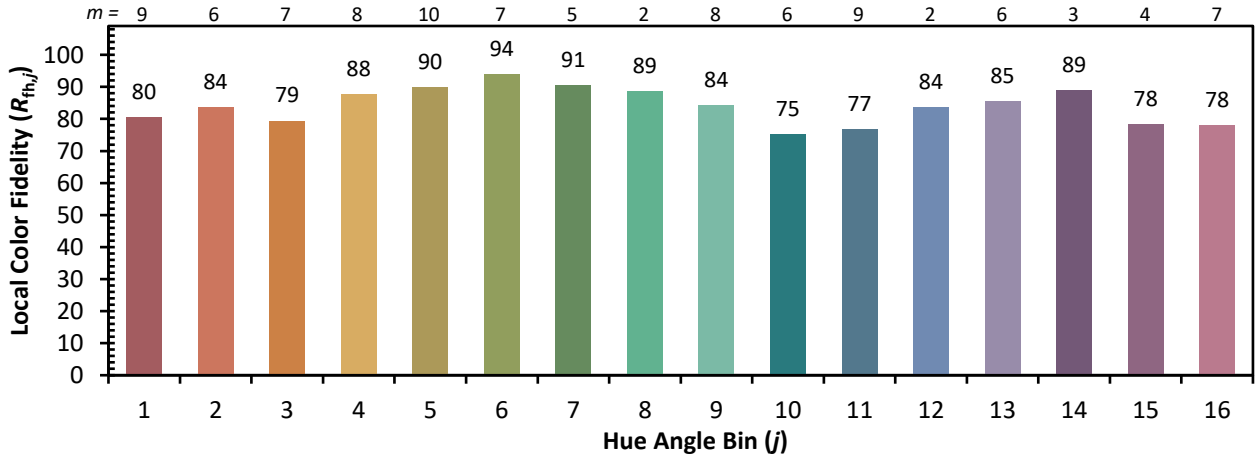
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Color Rendition by Hue-Angle Bin



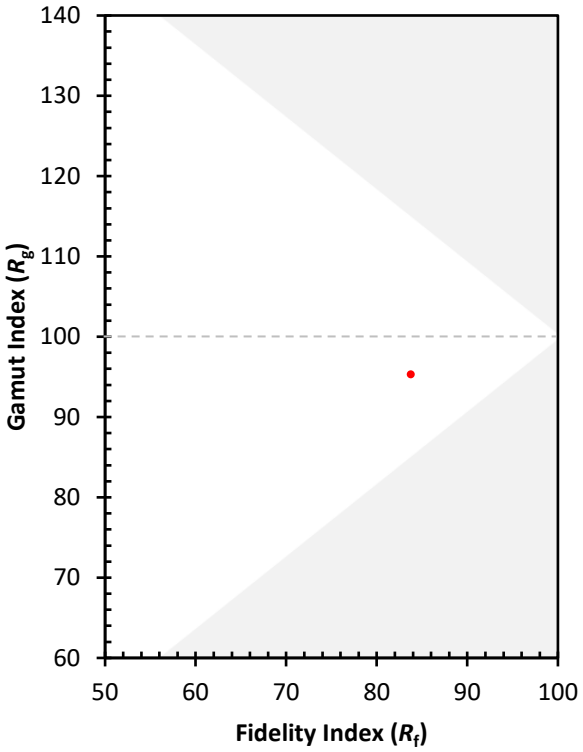


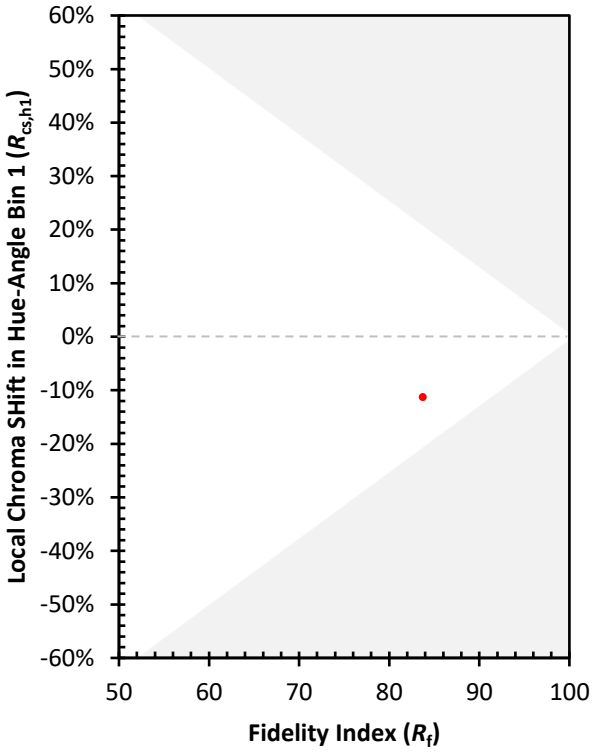


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Measure Comparisons





(END OF REPORT)