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: P1594642

Luminaire Tested: FLXB-4860-M-HI-5700K

Issue Date: 10/2/2026

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594642
	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-5700K
Description:	4860 FlexBay Linear High bay at M beam, HI lumen, 5700K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	59615.0 lumens
Efficiency:	N/A
Efficacy:	154.1 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

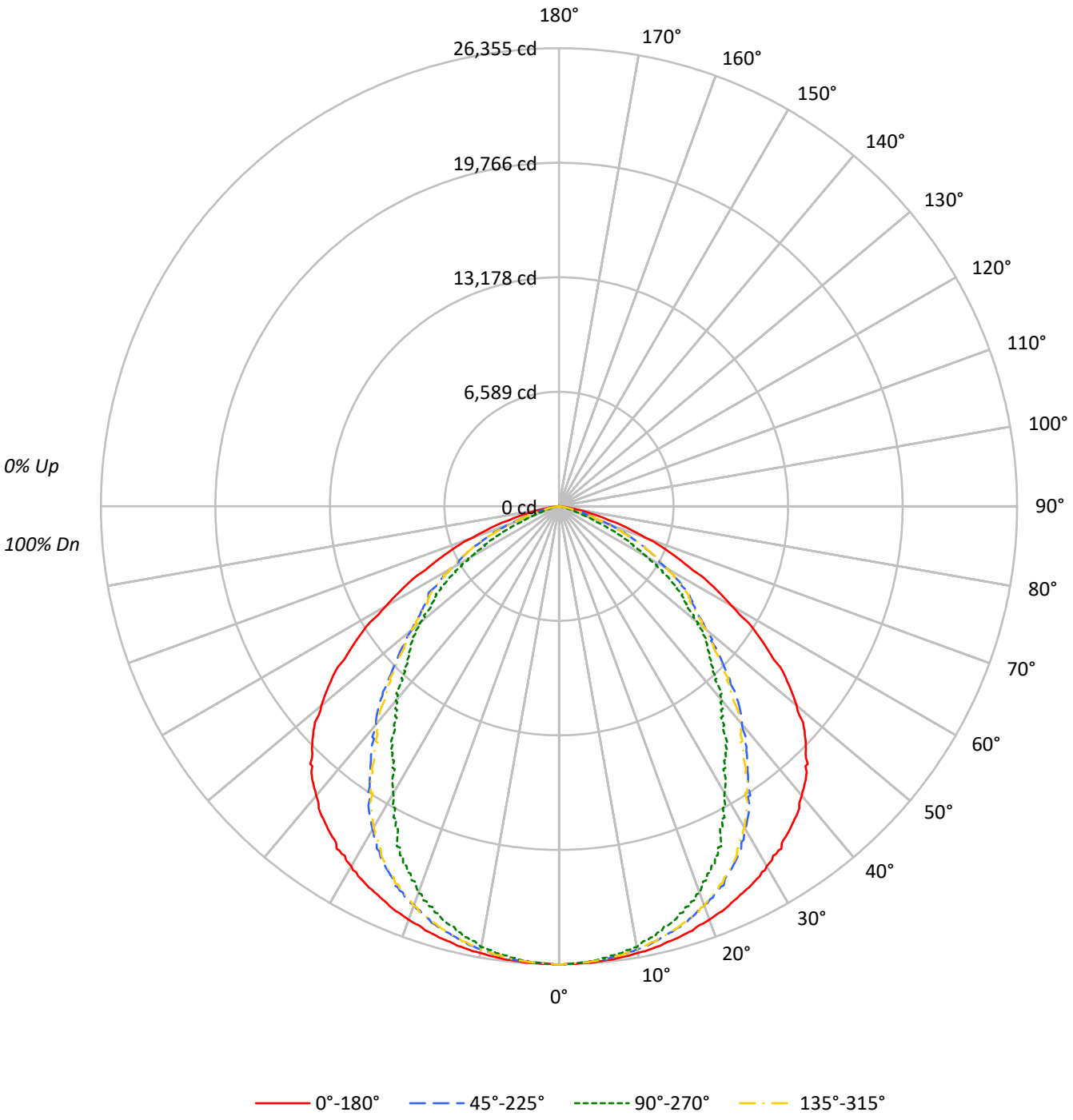
Input Watts (W):	386.9
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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°	128154	128154	128154	128154
5°	128309	127773	128309	127773
10°	128857	127137	128857	127137
15°	129757	124997	129757	124997
20°	130980	122554	130980	122554
25°	132384	116231	132384	116231
30°	134254	107034	134254	107034
35°	136247	98851	136247	98851
40°	137953	92766	137953	92766
45°	138045	83836	138045	83836
50°	134982	79223	134982	79223
55°	126072	70058	126072	70058
60°	111948	58757	111948	58757
65°	94959	40783	94959	40783
70°	75318	23467	75318	23467
75°	52842	10384	52842	10384
80°	28462	6586	28462	6586
85°	13613	4435	13613	4435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46.5°
Luminance: 138231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2492.9	4.2
10°-20°	7136.2	12.0
20°-30°	10649.7	17.9
30°-40°	11983.5	20.1
40°-50°	11170.1	18.7
50°-60°	8888.2	14.9
60°-70°	5389.4	9.0
70°-80°	1690.2	2.8
80°-90°	178.8	0.3
90°-100°	2.2	0.0
100°-110°	1.1	0.0
110°-120°	2.9	0.0
120°-130°	5.0	0.0
130°-140°	6.4	0.0
140°-150°	6.8	0.0
150°-160°	6.1	0.0
160°-170°	4.2	0.0
170°-180°	1.5	0.0
0°-30°	20278.7	34.0
0°-40°	32262.2	54.1
0°-60°	52320.5	87.8
0°-90°	59578.9	99.9
90°-120°	6.2	0.0
90°-150°	24.3	0.0
90°-180°	36.0	0.1
0°-180°	59615.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	26355	26355	26355	26355	26355	
5°	26286	26177	26286	26177	26286	2504
15°	25776	24830	25776	24830	25776	7287
25°	24674	21664	24674	21664	24674	11402
35°	22952	16652	22952	16652	22952	14372
45°	20074	12191	20074	12191	20074	15470
55°	14871	8264	14871	8264	14871	13302
65°	8253	3544	8253	3544	8253	8315
75°	2813	553	2813	553	2813	3151
85°	244	80	244	80	244	354
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°	7	4	7	4	7	6
135°	9	7	9	7	9	7
145°	12	10	12	10	12	8
155°	14	14	14	14	14	6
165°	15	16	15	16	15	4
175°	16	16	16	16	16	1
180°	16	16	16	16	16	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1
0.5°	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1	26355.1
1°	26337.7	26378.1	26302.6	26334.3	26289.8	26337.7	26337.7	26378.1	26302.6	26334.3	26289.8
1.5°	26328.9	26357.2	26313.4	26334.3	26316.8	26337.7	26328.9	26357.2	26313.4	26334.3	26316.8
2°	26346.4	26349.8	26290.5	26289.1	26280.4	26335.0	26346.4	26349.8	26290.5	26289.1	26280.4
2.5°	26331.6	26349.8	26222.4	26289.1	26280.4	26324.2	26331.6	26349.8	26222.4	26289.1	26280.4
3°	26307.3	26329.6	26227.8	26289.1	26280.4	26307.3	26307.3	26329.6	26227.8	26289.1	26280.4
3.5°	26314.1	26330.9	26227.8	26289.1	26280.4	26307.3	26314.1	26330.9	26227.8	26289.1	26280.4
4°	26314.7	26312.1	26214.3	26217.7	26223.8	26287.8	26314.7	26312.1	26214.3	26217.7	26223.8
4.5°	26311.4	26281.7	26186.7	26217.7	26212.3	26287.8	26311.4	26281.7	26186.7	26217.7	26212.3
5°	26286.4	26283.1	26180.6	26176.6	26186.0	26252.1	26286.4	26283.1	26180.6	26176.6	26186.0
5.5°	26268.2	26285.1	26148.9	26117.3	26137.5	26216.3	26268.2	26285.1	26148.9	26117.3	26137.5
6°	26256.8	26246.7	26148.9	26117.3	26138.2	26216.3	26256.8	26246.7	26148.9	26117.3	26138.2
6.5°	26264.2	26213.6	26072.8	26026.3	26099.7	26180.0	26264.2	26213.6	26072.8	26026.3	26099.7
7°	26251.4	26211.6	26023.6	26026.3	26055.3	26180.0	26251.4	26211.6	26023.6	26026.3	26055.3
7.5°	26222.4	26165.8	26004.0	25969.0	26009.4	26128.0	26222.4	26165.8	26004.0	25969.0	26009.4
8°	26188.0	26165.8	25949.4	25969.0	26009.4	26128.0	26188.0	26165.8	25949.4	25969.0	26009.4
8.5°	26179.3	26116.6	25924.5	25838.9	25905.6	26083.6	26179.3	26116.6	25924.5	25838.9	25905.6
9°	26157.7	26071.4	25841.6	25838.9	25871.9	26083.6	26157.7	26071.4	25841.6	25838.9	25871.9
9.5°	26117.9	26052.6	25841.6	25748.6	25831.5	26006.1	26117.9	26052.6	25841.6	25748.6	25831.5
10°	26097.0	26043.8	25737.1	25748.6	25753.3	26006.1	26097.0	26043.8	25737.1	25748.6	25753.3
10.5°	26075.5	25990.6	25737.1	25621.2	25722.3	25944.1	26075.5	25990.6	25737.1	25621.2	25722.3
11°	26067.4	25933.3	25634.0	25481.0	25666.4	25867.2	26067.4	25933.3	25634.0	25481.0	25666.4
11.5°	26035.0	25917.1	25634.0	25481.0	25597.6	25867.2	26035.0	25917.1	25634.0	25481.0	25597.6
12°	25995.9	25888.1	25512.0	25366.4	25491.1	25788.4	25995.9	25888.1	25512.0	25366.4	25491.1
12.5°	25955.5	25835.5	25431.8	25366.4	25491.1	25788.4	25955.5	25835.5	25431.8	25366.4	25491.1
13°	25946.1	25751.3	25386.0	25166.9	25344.2	25708.8	25946.1	25751.3	25386.0	25166.9	25344.2
13.5°	25882.0	25691.3	25296.3	25166.9	25344.2	25708.8	25882.0	25691.3	25296.3	25166.9	25344.2
14°	25829.5	25650.9	25233.0	24933.1	25221.5	25601.7	25829.5	25650.9	25233.0	24933.1	25221.5
14.5°	25805.2	25619.9	25084.7	24933.1	25119.1	25601.7	25805.2	25619.9	25084.7	24933.1	25119.1
15°	25775.5	25555.2	25084.7	24829.9	25059.1	25495.8	25775.5	25555.2	25084.7	24829.9	25059.1
15.5°	25747.9	25485.7	24933.7	24757.8	24990.3	25430.5	25747.9	25485.7	24933.7	24757.8	24990.3
16°	25698.7	25451.4	24933.7	24632.5	24894.0	25386.0	25698.7	25451.4	24933.7	24632.5	24894.0
16.5°	25651.5	25413.6	24765.2	24434.3	24792.2	25266.7	25651.5	25413.6	24765.2	24434.3	24792.2
17°	25603.7	25339.5	24765.2	24434.3	24727.5	25266.7	25603.7	25339.5	24765.2	24434.3	24727.5
17.5°	25585.5	25220.9	24575.8	24185.6	24521.3	25151.4	25585.5	25220.9	24575.8	24185.6	24521.3
18°	25489.1	25220.9	24461.3	24185.6	24521.3	25151.4	25489.1	25220.9	24461.3	24185.6	24521.3
18.5°	25427.8	25088.8	24372.3	23973.3	24333.2	25012.6	25427.8	25088.8	24372.3	23973.3	24333.2
19°	25396.8	25033.5	24158.6	23973.3	24333.2	25012.6	25396.8	25033.5	24158.6	23973.3	24333.2
19.5°	25357.0	24957.3	24158.6	23683.5	24102.7	24882.5	25357.0	24957.3	24158.6	23683.5	24102.7
20°	25311.8	24866.3	23944.3	23683.5	24006.3	24882.5	25311.8	24866.3	23944.3	23683.5	24006.3
20.5°	25245.8	24809.7	23944.3	23421.3	23885.0	24718.7	25245.8	24809.7	23944.3	23421.3	23885.0
21°	25191.9	24755.8	23715.8	23122.7	23738.1	24561.7	25191.9	24755.8	23715.8	23122.7	23738.1
21.5°	25139.3	24662.1	23715.8	23122.7	23632.9	24561.7	25139.3	24662.1	23715.8	23122.7	23632.9
22°	25104.3	24569.1	23364.7	22787.1	23343.1	24397.2	25104.3	24569.1	23364.7	22787.1	23343.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	25049.0	24505.7	23364.7	22787.1	23343.1	24397.2	25049.0	24505.7	23364.7	22787.1	23343.1
23°	24980.9	24329.8	23241.3	22466.9	23079.6	24206.5	24980.9	24329.8	23241.3	22466.9	23079.6
23.5°	24869.7	24329.8	23241.3	22466.9	23079.6	24206.5	24869.7	24329.8	23241.3	22466.9	23079.6
24°	24817.1	24153.9	22778.3	22059.1	22743.3	24021.8	24817.1	24153.9	22778.3	22059.1	22743.3
24.5°	24753.8	24040.7	22635.4	22059.1	22590.9	24021.8	24753.8	24040.7	22635.4	22059.1	22590.9
25°	24674.2	23953.7	22453.4	21663.5	22426.5	23802.8	24674.2	23953.7	22453.4	21663.5	22426.5
25.5°	24614.9	23870.8	22298.4	21663.5	22229.7	23802.8	24614.9	23870.8	22298.4	21663.5	22229.7
26°	24552.3	23752.2	22096.9	21218.0	22056.4	23593.2	24552.3	23752.2	22096.9	21218.0	22056.4
26.5°	24500.4	23626.9	21933.8	20757.0	21878.5	23494.8	24500.4	23626.9	21933.8	20757.0	21878.5
27°	24428.2	23537.9	21732.3	20757.0	21677.0	23363.3	24428.2	23537.9	21732.3	20757.0	21677.0
27.5°	24348.7	23432.7	21332.6	20285.2	21288.8	23120.7	24348.7	23432.7	21332.6	20285.2	21288.8
28°	24266.5	23306.0	21332.6	20285.2	21288.8	23120.7	24266.5	23306.0	21332.6	20285.2	21288.8
28.5°	24218.0	23068.8	20910.0	19754.8	20826.4	22865.9	24218.0	23068.8	20910.0	19754.8	20826.4
29°	24069.0	22927.3	20910.0	19754.8	20826.4	22865.9	24069.0	22927.3	20910.0	19754.8	20826.4
29.5°	24069.0	22804.6	20452.3	19288.4	20385.0	22571.4	24069.0	22804.6	20452.3	19288.4	20385.0
30°	23910.6	22679.9	20226.6	19062.6	20140.3	22571.4	23910.6	22679.9	20226.6	19062.6	20140.3
30.5°	23835.1	22535.0	19961.7	18831.4	19868.7	22278.9	23835.1	22535.0	19961.7	18831.4	19868.7
31°	23766.4	22364.5	19709.6	18613.7	19637.5	22087.5	23766.4	22364.5	19709.6	18613.7	19637.5
31.5°	23582.4	22237.8	19436.0	18337.3	19322.1	21952.0	23582.4	22237.8	19436.0	18337.3	19322.1
32°	23582.4	22089.5	19165.7	17839.9	19049.1	21612.3	23582.4	22089.5	19165.7	17839.9	19049.1
32.5°	23490.7	21925.0	18869.1	17839.9	18740.4	21612.3	23490.7	21925.0	18869.1	17839.9	18740.4
33°	23490.7	21597.5	18286.1	17442.3	18118.3	21227.4	23490.7	21597.5	18286.1	17442.3	18118.3
33.5°	23233.2	21597.5	18286.1	17442.3	18118.3	21227.4	23233.2	21597.5	18286.1	17442.3	18118.3
34°	23123.4	21232.8	17699.1	17110.0	17548.8	20812.9	23123.4	21232.8	17699.1	17110.0	17548.8
34.5°	23046.6	21048.2	17387.0	17110.0	17548.8	20812.9	23046.6	21048.2	17387.0	17110.0	17548.8
35°	22952.2	20847.3	17090.5	16652.4	16961.7	20379.6	22952.2	20847.3	17090.5	16652.4	16961.7
35.5°	22856.5	20596.6	16783.8	16652.4	16704.9	20379.6	22856.5	20596.6	16783.8	16652.4	16704.9
36°	22737.9	20416.6	16495.3	16212.2	16398.9	19877.4	22737.9	20416.6	16495.3	16212.2	16398.9
36.5°	22634.1	20178.0	16198.1	15797.1	16154.3	19351.0	22634.1	20178.0	16198.1	15797.1	16154.3
37°	22525.6	19956.3	15989.2	15797.1	15922.4	19351.0	22525.6	19956.3	15989.2	15797.1	15922.4
37.5°	22438.6	19664.5	15749.9	15318.5	15527.5	18759.9	22438.6	19664.5	15749.9	15318.5	15527.5
38°	22321.3	19452.1	15604.3	15318.5	15527.5	18759.9	22321.3	19452.1	15604.3	15318.5	15527.5
38.5°	22200.7	18896.1	15272.7	14972.8	15359.6	18150.7	22200.7	18896.1	15272.7	14972.8	15359.6
39°	21974.2	18896.1	15272.7	14972.8	15196.5	18150.7	21974.2	18896.1	15272.7	14972.8	15196.5
39.5°	21849.5	18291.5	14945.8	14614.2	15024.0	17522.5	21849.5	18291.5	14945.8	14614.2	15024.0
40°	21732.9	17923.5	14809.0	14614.2	14973.4	17522.5	21732.9	17923.5	14809.0	14614.2	14973.4
40.5°	21580.6	17642.5	14771.2	14272.5	14856.2	16866.0	21580.6	17642.5	14771.2	14272.5	14856.2
41°	21464.7	17290.6	14685.7	14272.5	14666.8	16866.0	21464.7	17290.6	14685.7	14272.5	14666.8
41.5°	21321.8	16959.7	14557.6	13881.6	14565.7	16213.6	21321.8	16959.7	14557.6	13881.6	14565.7
42°	21206.5	16563.4	14463.2	13430.0	14391.1	15586.8	21206.5	16563.4	14463.2	13430.0	14391.1
42.5°	21047.5	16225.1	14279.9	13430.0	14219.9	15586.8	21047.5	16225.1	14279.9	13430.0	14219.9
43°	20899.9	15863.8	13925.4	12977.1	13860.0	14970.1	20899.9	15863.8	13925.4	12977.1	13860.0
43.5°	20603.3	15500.5	13925.4	12977.1	13860.0	14970.1	20603.3	15500.5	13925.4	12977.1	13860.0
44°	20603.3	14843.4	13547.3	12513.4	13430.0	14381.0	20603.3	14843.4	13547.3	12513.4	13430.0
44.5°	20272.4	14534.0	13547.3	12513.4	13430.0	14381.0	20272.4	14534.0	13547.3	12513.4	13430.0

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

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	20074.2	14213.2	13138.8	12191.2	12963.6	13802.1	20074.2	14213.2	13138.8	12191.2	12963.6
45.5°	19924.6	13938.2	12917.1	12191.2	12754.0	13802.1	19924.6	13938.2	12917.1	12191.2	12754.0
46°	19729.8	13603.9	12703.4	11905.4	12539.7	13258.8	19729.8	13603.9	12703.4	11905.4	12539.7
46.5°	19568.1	13341.0	12481.0	11716.7	12344.2	13051.9	19568.1	13341.0	12481.0	11716.7	12344.2
47°	19347.0	13009.4	12269.4	11675.6	12131.9	12716.2	19347.0	13009.4	12269.4	11675.6	12131.9
47.5°	19158.3	12767.5	12056.4	11413.4	11918.9	12201.3	19158.3	12767.5	12056.4	11413.4	11918.9
48°	18928.4	12431.8	11832.6	11413.4	11726.8	12201.3	18928.4	12431.8	11832.6	11413.4	11726.8
48.5°	18755.9	11931.0	11420.2	10966.6	11325.8	11745.0	18755.9	11931.0	11420.2	10966.6	11325.8
49°	18306.4	11931.0	11420.2	10966.6	11325.8	11745.0	18306.4	11931.0	11420.2	10966.6	11325.8
49.5°	18047.5	11487.6	11233.5	10472.5	10933.5	11339.9	18047.5	11487.6	11233.5	10472.5	10933.5
50°	17843.3	11311.6	10840.5	10472.5	10933.5	11339.9	17843.3	11311.6	10840.5	10472.5	10933.5
50.5°	17584.5	11078.4	10620.8	9991.3	10235.3	10962.5	17584.5	11078.4	10620.8	9991.3	10235.3
51°	17354.0	10895.1	10415.2	9991.3	10235.3	10962.5	17354.0	10895.1	10415.2	9991.3	10235.3
51.5°	17072.3	10691.6	10178.0	9575.4	9994.0	10577.7	17072.3	10691.6	10178.0	9575.4	9994.0
52°	16831.6	10333.0	9934.0	9266.1	9994.0	10219.8	16831.6	10333.0	9934.0	9266.1	9994.0
52.5°	16549.9	10333.0	9697.4	9266.1	9789.1	10219.8	16549.9	10333.0	9697.4	9266.1	9789.1
53°	16310.7	10161.8	9472.3	8994.4	9153.5	9899.6	16310.7	10161.8	9472.3	8994.4	9153.5
53.5°	16016.8	10161.8	9258.7	8994.4	9153.5	9899.6	16016.8	10161.8	9258.7	8994.4	9153.5
54°	15740.5	10000.7	8881.9	8714.7	8935.8	9640.8	15740.5	10000.7	8881.9	8714.7	8935.8
54.5°	15171.6	10000.7	8881.9	8714.7	8935.8	9640.8	15171.6	10000.7	8881.9	8714.7	8935.8
55°	14871.0	9840.3	8654.8	8263.8	8794.9	9406.9	14871.0	9840.3	8654.8	8263.8	8794.9
55.5°	14581.9	9686.6	8541.5	8263.8	8718.1	9406.9	14581.9	9686.6	8541.5	8263.8	8718.1
56°	14267.8	9686.6	8455.9	7883.7	8597.5	9107.7	14267.8	9686.6	8455.9	7883.7	8597.5
56.5°	13973.9	9581.5	8371.0	7659.9	8424.9	8955.4	13973.9	9581.5	8371.0	7659.9	8424.9
57°	13667.3	8684.4	8148.6	7488.1	8234.2	8791.6	13667.3	8684.4	8148.6	7488.1	8234.2
57.5°	13376.1	8580.6	8061.0	7051.3	8092.0	8470.8	13376.1	8580.6	8061.0	7051.3	8092.0
58°	13062.7	8410.1	7919.4	7051.3	7790.0	8470.8	13062.7	8410.1	7919.4	7051.3	7790.0
58.5°	12747.9	8276.0	7428.1	6565.4	7248.8	8225.4	12747.9	8276.0	7428.1	6565.4	7248.8
59°	12135.9	8098.7	7428.1	6565.4	7248.8	8225.4	12135.9	8098.7	7428.1	6565.4	7248.8
59.5°	11831.3	7792.0	6875.4	6041.7	6617.9	7932.2	11831.3	7792.0	6875.4	6041.7	6617.9
60°	11511.1	7649.8	6875.4	6041.7	6617.9	7932.2	11511.1	7649.8	6875.4	6041.7	6617.9
60.5°	11204.5	7480.7	6347.7	5562.5	6168.4	7600.6	11204.5	7480.7	6347.7	5562.5	6168.4
61°	10897.1	7148.4	6076.1	5562.5	6021.5	7600.6	10897.1	7148.4	6076.1	5562.5	6021.5
61.5°	10606.6	7148.4	5958.1	5178.3	6021.5	7339.1	10606.6	7148.4	5958.1	5178.3	6021.5
62°	10295.3	7010.2	5706.0	4837.3	5800.4	7070.9	10295.3	7010.2	5706.0	4837.3	5800.4
62.5°	10005.4	7010.2	5511.2	4837.3	5800.4	7070.9	10005.4	7010.2	5511.2	4837.3	5800.4
63°	9689.3	6685.3	5329.9	4478.0	5145.9	6717.0	9689.3	6685.3	5329.9	4478.0	5145.9
63.5°	9407.6	6685.3	4968.7	4478.0	4948.5	6717.0	9407.6	6685.3	4968.7	4478.0	4948.5
64°	9111.7	6393.5	4725.4	4050.0	4786.7	6378.0	9111.7	6393.5	4725.4	4050.0	4786.7
64.5°	8529.4	6266.1	4725.4	4050.0	4598.0	6378.0	8529.4	6266.1	4725.4	4050.0	4598.0
65°	8253.1	6078.1	4252.9	3544.5	4393.8	6022.1	8253.1	6078.1	4252.9	3544.5	4393.8
65.5°	7966.6	5776.8	4060.8	3544.5	4188.2	6022.1	7966.6	5776.8	4060.8	3544.5	4188.2
66°	7702.4	5776.8	3872.8	3045.1	3928.0	5685.8	7702.4	5776.8	3872.8	3045.1	3928.0
66.5°	7417.3	5400.0	3683.4	3045.1	3465.7	5685.8	7417.3	5400.0	3683.4	3045.1	3465.7
67°	7152.4	5400.0	3450.2	2634.6	3465.7	5324.6	7152.4	5400.0	3450.2	2634.6	3465.7

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

Scaled Data Report

TEST NUMBER: P1594642
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	6870.0	5065.1	3243.9	2299.7	3028.3	4918.1	6870.0	5065.1	3243.9	2299.7	3028.3
68°	6615.3	5065.1	3044.4	2299.7	3028.3	4918.1	6615.3	5065.1	3044.4	2299.7	3028.3
68.5°	6341.6	4724.0	2800.4	1973.5	2644.1	4459.1	6341.6	4724.0	2800.4	1973.5	2644.1
69°	6091.6	4561.6	2632.6	1973.5	2402.1	4459.1	6091.6	4561.6	2632.6	1973.5	2402.1
69.5°	5810.5	4369.5	2263.3	1650.6	2206.0	4045.3	5810.5	4369.5	2263.3	1650.6	2206.0
70°	5297.6	4190.2	2263.3	1650.6	1989.6	4045.3	5297.6	4190.2	2263.3	1650.6	1989.6
70.5°	5061.7	3975.2	1923.6	1372.9	1801.6	3702.9	5061.7	3975.2	1923.6	1372.9	1801.6
71°	4796.1	3557.3	1698.5	1372.9	1453.8	3702.9	4796.1	3557.3	1698.5	1372.9	1453.8
71.5°	4568.3	3557.3	1604.8	1159.9	1453.8	3343.7	4568.3	3557.3	1604.8	1159.9	1453.8
72°	4316.9	3149.6	1389.8	1030.5	1172.1	2992.5	4316.9	3149.6	1389.8	1030.5	1172.1
72.5°	4103.3	3149.6	1311.6	996.8	1172.1	2992.5	4103.3	3149.6	1311.6	996.8	1172.1
73°	3859.3	2762.0	1137.0	854.0	1004.3	2851.7	3859.3	2762.0	1137.0	854.0	1004.3
73.5°	3651.0	2762.0	1066.9	854.0	928.1	2510.0	3651.0	2762.0	1066.9	854.0	928.1
74°	3409.7	2384.6	872.1	704.3	851.9	2374.5	3409.7	2384.6	872.1	704.3	851.9
74.5°	2993.2	2166.9	872.1	704.3	768.4	2144.6	2993.2	2166.9	872.1	704.3	768.4
75°	2812.6	2011.2	749.5	552.7	690.2	2004.5	2812.6	2011.2	749.5	552.7	690.2
75.5°	2594.2	1692.4	749.5	552.7	639.6	1780.7	2594.2	1692.4	749.5	552.7	639.6
76°	2425.0	1692.4	636.3	432.0	583.7	1667.5	2425.0	1692.4	636.3	432.0	583.7
76.5°	2218.1	1409.3	552.0	432.0	464.4	1467.3	2218.1	1409.3	552.0	432.0	464.4
77°	2067.1	1409.3	506.2	373.4	464.4	1393.1	2067.1	1409.3	506.2	373.4	464.4
77.5°	1873.7	1137.7	450.9	339.0	427.3	1167.4	1873.7	1137.7	450.9	339.0	427.3
78°	1736.9	1001.6	409.8	339.0	377.4	1017.1	1736.9	1001.6	409.8	339.0	377.4
78.5°	1554.2	872.8	370.7	282.4	377.4	981.3	1554.2	872.8	370.7	282.4	377.4
79°	1437.6	872.8	351.8	282.4	328.2	833.1	1437.6	872.8	351.8	282.4	328.2
79.5°	1268.5	649.1	305.3	235.2	282.4	807.4	1268.5	649.1	305.3	235.2	282.4
80°	1016.4	541.2	305.3	235.2	213.0	667.3	1016.4	541.2	305.3	235.2	213.0
80.5°	936.2	478.5	241.3	189.4	192.8	505.5	936.2	478.5	241.3	189.4	192.8
81°	798.7	357.9	192.1	189.4	184.7	505.5	798.7	357.9	192.1	189.4	184.7
81.5°	735.3	357.9	180.6	158.4	177.3	485.9	735.3	357.9	180.6	158.4	177.3
82°	612.7	279.7	157.0	158.4	147.6	372.7	612.7	279.7	157.0	158.4	147.6
82.5°	562.8	279.7	149.0	138.2	147.6	355.2	562.8	279.7	149.0	138.2	147.6
83°	459.7	216.4	138.8	112.6	118.6	263.5	459.7	216.4	138.8	112.6	118.6
83.5°	423.3	216.4	126.7	112.6	118.6	208.9	423.3	216.4	126.7	112.6	118.6
84°	339.0	163.1	112.6	92.3	101.8	197.5	339.0	163.1	112.6	92.3	101.8
84.5°	312.7	136.1	97.1	92.3	92.3	160.4	312.7	136.1	97.1	92.3	92.3
85°	244.0	118.6	76.2	79.5	82.2	150.3	244.0	118.6	76.2	79.5	82.2
85.5°	171.9	99.8	76.2	79.5	66.7	124.0	171.9	99.8	76.2	79.5	66.7
86°	157.7	83.6	63.4	66.1	48.5	120.6	157.7	83.6	63.4	66.1	48.5
86.5°	117.9	54.6	54.6	66.1	31.7	93.7	117.9	54.6	54.6	66.1	31.7
87°	100.4	54.6	48.5	49.2	31.7	89.0	100.4	54.6	48.5	49.2	31.7
87.5°	72.1	29.0	33.0	31.7	27.6	67.4	72.1	29.0	33.0	31.7	27.6
88°	60.7	29.0	29.0	29.7	27.6	49.2	60.7	29.0	29.0	29.7	27.6
88.5°	40.4	14.8	15.5	19.5	17.5	49.2	40.4	14.8	15.5	19.5	17.5
89°	40.4	14.8	10.8	19.5	10.8	35.7	40.4	14.8	10.8	19.5	10.8
89.5°	25.6	6.1	10.8	18.2	4.7	35.7	25.6	6.1	10.8	18.2	4.7

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	12.1	1.3	10.8	18.2	2.0	20.9	12.1	1.3	10.8	18.2	2.0
90.5°	12.1	1.3	10.8	13.5	0.7	20.9	12.1	1.3	10.8	13.5	0.7
91°	2.7	1.3	10.8	13.5	0.7	10.1	2.7	1.3	10.8	13.5	0.7
91.5°	2.7	1.3	3.4	6.7	0.7	10.1	2.7	1.3	3.4	6.7	0.7
92°	0.7	0.7	0.7	6.7	0.7	6.7	0.7	0.7	0.7	6.7	0.7
92.5°	0.7	0.7	0.7	2.0	0.7	6.7	0.7	0.7	0.7	2.0	0.7
93°	0.7	0.7	0.7	1.3	0.7	1.3	0.7	0.7	0.7	1.3	0.7
93.5°	0.7	0.7	0.7	1.3	0.7	0.7	0.7	0.7	0.7	1.3	0.7
94°	0.7	0.7	0.7	1.3	0.0	0.7	0.7	0.7	0.7	1.3	0.0
94.5°	0.7	0.7	0.7	1.3	0.0	0.7	0.7	0.7	0.7	1.3	0.0
95°	0.7	0.7	0.7	1.3	0.0	0.7	0.7	0.7	0.7	1.3	0.0
95.5°	0.7	0.7	0.7	1.3	0.0	0.7	0.7	0.7	0.7	1.3	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°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
100°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
100.5°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
101°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
101.5°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
102°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
102.5°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
103°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
103.5°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
104°	1.3	0.7	0.7	0.7	0.0	0.7	1.3	0.7	0.7	0.7	0.0
104.5°	1.3	0.7	0.7	0.7	0.7	0.7	1.3	0.7	0.7	0.7	0.7
105°	2.0	1.3	1.3	0.7	0.7	0.7	2.0	1.3	1.3	0.7	0.7
105.5°	2.0	2.0	1.3	0.7	0.7	0.7	2.0	2.0	1.3	0.7	0.7
106°	2.0	2.0	0.7	0.7	0.7	1.3	2.0	2.0	0.7	0.7	0.7
106.5°	2.0	2.0	0.7	0.7	0.7	1.3	2.0	2.0	0.7	0.7	0.7
107°	2.0	2.0	1.3	0.7	0.7	1.3	2.0	2.0	1.3	0.7	0.7
107.5°	2.0	2.0	1.3	0.7	1.3	1.3	2.0	2.0	1.3	0.7	1.3
108°	2.7	2.0	1.3	0.7	1.3	1.3	2.7	2.0	1.3	0.7	1.3
108.5°	2.7	2.0	1.3	1.3	1.3	2.0	2.7	2.0	1.3	1.3	1.3
109°	2.7	2.0	1.3	1.3	1.3	2.0	2.7	2.0	1.3	1.3	1.3
109.5°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
110°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
110.5°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
111°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
111.5°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
112°	3.4	2.7	1.3	1.3	1.3	2.0	3.4	2.7	1.3	1.3	1.3

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Scaled Data Report

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	3.4	2.7	2.0	1.3	1.3	2.7	3.4	2.7	2.0	1.3	1.3
113°	3.4	3.4	2.0	1.3	1.3	2.7	3.4	3.4	2.0	1.3	1.3
113.5°	3.4	3.4	2.0	1.3	1.3	2.7	3.4	3.4	2.0	1.3	1.3
114°	4.0	3.4	2.0	2.7	2.0	2.7	4.0	3.4	2.0	2.7	2.0
114.5°	4.0	3.4	2.7	2.7	2.0	2.7	4.0	3.4	2.7	2.7	2.0
115°	4.7	3.4	2.7	2.7	2.0	2.7	4.7	3.4	2.7	2.7	2.0
115.5°	4.7	3.4	2.7	2.7	2.7	2.7	4.7	3.4	2.7	2.7	2.7
116°	4.7	3.4	2.7	2.7	2.7	3.4	4.7	3.4	2.7	2.7	2.7
116.5°	4.7	4.0	2.7	2.7	2.7	3.4	4.7	4.0	2.7	2.7	2.7
117°	4.7	4.0	3.4	2.7	2.7	4.0	4.7	4.0	3.4	2.7	2.7
117.5°	4.7	4.0	3.4	2.7	2.7	4.0	4.7	4.0	3.4	2.7	2.7
118°	5.4	4.0	3.4	2.7	2.7	4.0	5.4	4.0	3.4	2.7	2.7
118.5°	5.4	4.7	3.4	2.7	2.7	4.0	5.4	4.7	3.4	2.7	2.7
119°	5.4	4.7	3.4	2.7	2.7	4.0	5.4	4.7	3.4	2.7	2.7
119.5°	6.1	4.7	3.4	2.7	3.4	4.0	6.1	4.7	3.4	2.7	3.4
120°	6.1	4.7	3.4	4.0	3.4	4.0	6.1	4.7	3.4	4.0	3.4
120.5°	6.1	4.7	3.4	4.0	3.4	4.0	6.1	4.7	3.4	4.0	3.4
121°	6.1	4.7	4.0	4.0	3.4	4.0	6.1	4.7	4.0	4.0	3.4
121.5°	6.7	4.7	4.0	4.0	3.4	4.7	6.7	4.7	4.0	4.0	3.4
122°	6.7	6.1	4.0	4.0	4.0	4.7	6.7	6.1	4.0	4.0	4.0
122.5°	6.1	6.1	4.7	4.0	4.0	5.4	6.1	6.1	4.7	4.0	4.0
123°	6.1	6.1	4.7	4.0	4.0	5.4	6.1	6.1	4.7	4.0	4.0
123.5°	6.7	6.1	4.7	4.0	4.0	5.4	6.7	6.1	4.7	4.0	4.0
124°	6.7	6.1	4.7	4.0	4.7	5.4	6.7	6.1	4.7	4.0	4.7
124.5°	6.7	6.1	4.7	4.0	4.7	5.4	6.7	6.1	4.7	4.0	4.7
125°	7.4	6.1	4.7	4.0	4.7	5.4	7.4	6.1	4.7	4.0	4.7
125.5°	7.4	6.1	4.7	4.7	4.7	5.4	7.4	6.1	4.7	4.7	4.7
126°	7.4	6.7	5.4	4.7	4.7	6.7	7.4	6.7	5.4	4.7	4.7
126.5°	7.4	6.7	5.4	5.4	4.7	6.7	7.4	6.7	5.4	5.4	4.7
127°	7.4	6.7	6.1	5.4	4.7	6.7	7.4	6.7	6.1	5.4	4.7
127.5°	7.4	7.4	6.1	5.4	5.4	6.7	7.4	7.4	6.1	5.4	5.4
128°	8.1	7.4	6.1	5.4	5.4	6.7	8.1	7.4	6.1	5.4	5.4
128.5°	8.1	7.4	6.1	5.4	6.1	6.7	8.1	7.4	6.1	5.4	6.1
129°	8.1	7.4	6.1	5.4	6.1	6.7	8.1	7.4	6.1	5.4	6.1
129.5°	8.8	7.4	6.1	5.4	6.1	7.4	8.8	7.4	6.1	5.4	6.1
130°	8.8	7.4	6.1	5.4	6.1	7.4	8.8	7.4	6.1	5.4	6.1
130.5°	8.8	8.1	6.1	5.4	6.1	7.4	8.8	8.1	6.1	5.4	6.1
131°	8.8	8.1	6.1	6.7	6.1	7.4	8.8	8.1	6.1	6.7	6.1
131.5°	8.8	8.1	6.1	6.7	6.1	8.1	8.8	8.1	6.1	6.7	6.1
132°	8.8	8.8	6.7	6.7	6.7	8.1	8.8	8.8	6.7	6.7	6.7
132.5°	9.4	8.8	7.4	6.7	7.4	8.1	9.4	8.8	7.4	6.7	7.4
133°	9.4	8.8	7.4	6.7	6.7	8.1	9.4	8.8	7.4	6.7	6.7
133.5°	9.4	8.8	7.4	6.7	6.7	8.1	9.4	8.8	7.4	6.7	6.7
134°	9.4	8.8	7.4	6.7	7.4	8.1	9.4	8.8	7.4	6.7	7.4
134.5°	9.4	8.8	7.4	6.7	7.4	8.1	9.4	8.8	7.4	6.7	7.4

Cooper Lighting Solutions Photometric Lab
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TEST NUMBER: P1594642
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	9.4	8.8	7.4	6.7	7.4	8.8	9.4	8.8	7.4	6.7	7.4
135.5°	10.1	8.8	7.4	7.4	7.4	8.8	10.1	8.8	7.4	7.4	7.4
136°	10.1	8.8	7.4	8.1	7.4	8.8	10.1	8.8	7.4	8.1	7.4
136.5°	10.1	8.8	8.8	8.1	7.4	8.8	10.1	8.8	8.8	8.1	7.4
137°	10.1	9.4	8.8	8.1	7.4	9.4	10.1	9.4	8.8	8.1	7.4
137.5°	10.1	10.1	8.1	8.1	7.4	9.4	10.1	10.1	8.1	8.1	7.4
138°	10.1	10.1	8.8	8.1	8.1	9.4	10.1	10.1	8.8	8.1	8.1
138.5°	10.1	10.1	8.8	8.1	8.8	9.4	10.1	10.1	8.8	8.1	8.8
139°	10.8	10.1	8.8	8.1	8.8	9.4	10.8	10.1	8.8	8.1	8.8
139.5°	10.8	10.1	8.8	8.1	8.8	10.1	10.8	10.1	8.8	8.1	8.8
140°	10.8	10.1	8.8	8.1	8.8	10.1	10.8	10.1	8.8	8.1	8.8
140.5°	10.8	10.8	8.8	8.8	8.8	10.1	10.8	10.8	8.8	8.8	8.8
141°	10.8	10.8	8.8	9.4	8.8	10.1	10.8	10.8	8.8	9.4	8.8
141.5°	11.5	10.8	9.4	9.4	8.8	10.1	11.5	10.8	9.4	9.4	8.8
142°	11.5	10.8	10.1	9.4	8.8	10.1	11.5	10.8	10.1	9.4	8.8
142.5°	11.5	10.8	10.1	9.4	9.4	10.8	11.5	10.8	10.1	9.4	9.4
143°	11.5	11.5	10.1	9.4	10.1	10.8	11.5	11.5	10.1	9.4	10.1
143.5°	11.5	11.5	10.1	9.4	10.1	10.8	11.5	11.5	10.1	9.4	10.1
144°	11.5	11.5	10.1	9.4	10.1	10.8	11.5	11.5	10.1	9.4	10.1
144.5°	12.1	11.5	10.1	9.4	10.1	10.8	12.1	11.5	10.1	9.4	10.1
145°	12.1	12.1	10.1	10.1	10.1	11.5	12.1	12.1	10.1	10.1	10.1
145.5°	12.1	12.1	10.1	10.8	10.1	11.5	12.1	12.1	10.1	10.8	10.1
146°	12.8	12.1	10.8	10.8	10.1	11.5	12.8	12.1	10.8	10.8	10.1
146.5°	12.1	12.1	10.8	10.8	10.1	11.5	12.1	12.1	10.8	10.8	10.1
147°	12.1	12.1	10.8	10.8	10.8	11.5	12.1	12.1	10.8	10.8	10.8
147.5°	12.8	12.1	11.5	10.8	10.8	11.5	12.8	12.1	11.5	10.8	10.8
148°	12.8	12.1	11.5	10.8	10.8	11.5	12.8	12.1	11.5	10.8	10.8
148.5°	12.8	12.1	11.5	10.8	10.8	11.5	12.8	12.1	11.5	10.8	10.8
149°	12.8	12.1	11.5	10.8	10.8	12.1	12.8	12.1	11.5	10.8	10.8
149.5°	12.8	12.1	11.5	10.8	11.5	12.1	12.8	12.1	11.5	10.8	11.5
150°	12.8	12.1	11.5	11.5	11.5	12.8	12.8	12.1	11.5	11.5	11.5
150.5°	12.8	12.8	11.5	12.1	11.5	12.8	12.8	12.8	11.5	12.1	11.5
151°	13.5	12.8	11.5	12.1	11.5	12.8	13.5	12.8	11.5	12.1	11.5
151.5°	13.5	12.8	12.1	12.1	11.5	12.8	13.5	12.8	12.1	12.1	11.5
152°	13.5	12.8	12.1	12.1	11.5	12.8	13.5	12.8	12.1	12.1	11.5
152.5°	13.5	13.5	12.1	12.1	12.1	12.8	13.5	13.5	12.1	12.1	12.1
153°	14.2	13.5	12.8	12.1	12.1	12.8	14.2	13.5	12.8	12.1	12.1
153.5°	14.2	13.5	12.8	12.1	12.1	12.8	14.2	13.5	12.8	12.1	12.1
154°	14.2	13.5	12.8	12.1	12.1	12.8	14.2	13.5	12.8	12.1	12.1
154.5°	14.2	13.5	12.8	13.5	12.1	13.5	14.2	13.5	12.8	13.5	12.1
155°	14.2	13.5	12.8	13.5	12.8	13.5	14.2	13.5	12.8	13.5	12.8
155.5°	14.2	13.5	12.8	13.5	12.8	13.5	14.2	13.5	12.8	13.5	12.8
156°	14.2	13.5	12.8	13.5	12.8	13.5	14.2	13.5	12.8	13.5	12.8
156.5°	14.2	13.5	12.8	13.5	12.8	13.5	14.2	13.5	12.8	13.5	12.8
157°	14.2	13.5	12.8	13.5	12.8	13.5	14.2	13.5	12.8	13.5	12.8

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TEST NUMBER: P1594642
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	14.2	14.2	13.5	13.5	12.8	13.5	14.2	14.2	13.5	13.5	12.8
158°	14.2	14.2	13.5	13.5	12.8	13.5	14.2	14.2	13.5	13.5	12.8
158.5°	14.2	14.2	13.5	13.5	12.8	13.5	14.2	14.2	13.5	13.5	12.8
159°	14.2	14.2	14.2	13.5	12.8	13.5	14.2	14.2	14.2	13.5	12.8
159.5°	14.2	14.8	14.2	13.5	12.8	14.2	14.2	14.8	14.2	13.5	12.8
160°	14.2	14.8	14.2	14.2	12.8	14.2	14.2	14.8	14.2	14.2	12.8
160.5°	14.2	14.8	14.2	14.8	14.2	14.8	14.2	14.8	14.2	14.8	14.2
161°	14.2	14.8	14.2	14.2	14.2	14.8	14.2	14.8	14.2	14.2	14.2
161.5°	14.2	14.8	14.2	14.2	14.2	14.8	14.2	14.8	14.2	14.2	14.2
162°	14.2	14.8	14.2	14.8	14.2	14.8	14.2	14.8	14.2	14.8	14.2
162.5°	14.2	14.8	14.2	14.8	14.2	14.8	14.2	14.8	14.2	14.8	14.2
163°	14.8	14.8	14.2	14.8	14.2	14.8	14.8	14.8	14.2	14.8	14.2
163.5°	14.8	14.8	14.8	14.8	14.2	14.8	14.8	14.8	14.8	14.8	14.2
164°	14.8	14.8	14.8	14.8	14.2	14.8	14.8	14.8	14.8	14.8	14.2
164.5°	14.8	14.8	15.5	14.8	14.2	14.8	14.8	14.8	15.5	14.8	14.2
165°	14.8	14.8	15.5	15.5	14.8	14.8	14.8	14.8	15.5	15.5	14.8
165.5°	15.5	14.8	15.5	15.5	14.8	14.8	15.5	14.8	15.5	15.5	14.8
166°	15.5	14.8	15.5	15.5	14.8	14.8	15.5	14.8	15.5	15.5	14.8
166.5°	15.5	14.8	15.5	15.5	14.8	14.8	15.5	14.8	15.5	15.5	14.8
167°	15.5	15.5	15.5	15.5	14.8	14.8	15.5	15.5	15.5	15.5	14.8
167.5°	15.5	15.5	15.5	15.5	14.8	14.8	15.5	15.5	15.5	15.5	14.8
168°	15.5	15.5	15.5	15.5	14.8	14.8	15.5	15.5	15.5	15.5	14.8
168.5°	15.5	15.5	15.5	15.5	14.8	14.8	15.5	15.5	15.5	15.5	14.8
169°	15.5	15.5	15.5	15.5	15.5	14.8	15.5	15.5	15.5	15.5	15.5
169.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
170°	15.5	15.5	15.5	16.2	15.5	15.5	15.5	15.5	15.5	16.2	15.5
170.5°	15.5	16.2	16.2	16.2	15.5	14.8	15.5	16.2	16.2	16.2	15.5
171°	15.5	16.2	16.2	16.2	15.5	14.8	15.5	16.2	16.2	16.2	15.5
171.5°	15.5	16.2	15.5	16.2	15.5	15.5	15.5	16.2	15.5	16.2	15.5
172°	15.5	16.2	15.5	16.2	15.5	16.2	15.5	16.2	15.5	16.2	15.5
172.5°	15.5	16.2	16.2	16.2	15.5	16.2	15.5	16.2	16.2	16.2	15.5
173°	15.5	16.2	16.2	16.2	15.5	16.2	15.5	16.2	16.2	16.2	15.5
173.5°	15.5	16.2	15.5	16.2	15.5	15.5	15.5	16.2	15.5	16.2	15.5
174°	15.5	16.2	16.2	16.2	16.2	15.5	15.5	16.2	16.2	16.2	16.2
174.5°	15.5	16.2	16.2	16.2	16.2	15.5	15.5	16.2	16.2	16.2	16.2
175°	15.5	15.5	16.2	16.2	16.2	16.2	15.5	15.5	16.2	16.2	16.2
175.5°	15.5	15.5	16.2	16.2	16.2	16.2	15.5	15.5	16.2	16.2	16.2
176°	15.5	16.2	16.2	16.2	16.2	16.2	15.5	16.2	16.2	16.2	16.2
176.5°	15.5	16.2	16.2	16.2	16.2	16.2	15.5	16.2	16.2	16.2	16.2
177°	15.5	16.2	16.2	16.2	16.2	16.2	15.5	16.2	16.2	16.2	16.2
177.5°	15.5	16.2	16.2	16.8	16.2	16.2	15.5	16.2	16.2	16.8	16.2
178°	15.5	16.2	16.2	17.5	16.2	16.2	15.5	16.2	16.2	17.5	16.2
178.5°	16.2	16.2	16.2	16.8	16.2	16.2	16.2	16.2	16.2	16.8	16.2
179°	16.2	16.2	16.2	16.8	16.2	16.2	16.2	16.2	16.2	16.8	16.2
179.5°	15.5	16.2	16.2	17.5	16.2	16.2	15.5	16.2	16.2	17.5	16.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	16.3	*16.3*	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3

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TEST NUMBER: P1594642
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CANDELA DISTRIBUTION (continued):

	330°	360°
0°	26355.1	26355.1
0.5°	26355.1	26355.1
1°	*26337.7*	*26337.7*
1.5°	26337.7	26328.9
2°	26335.0	26346.4
2.5°	26324.2	26331.6
3°	26307.3	26307.3
3.5°	26307.3	26314.1
4°	26287.8	26314.7
4.5°	26287.8	26311.4
5°	26252.1	26286.4
5.5°	26216.3	26268.2
6°	26216.3	26256.8
6.5°	26180.0	26264.2
7°	26180.0	26251.4
7.5°	26128.0	26222.4
8°	26128.0	26188.0
8.5°	26083.6	26179.3
9°	26083.6	26157.7
9.5°	26006.1	26117.9
10°	26006.1	26097.0
10.5°	25944.1	26075.5
11°	25867.2	26067.4
11.5°	25867.2	26035.0
12°	25788.4	25995.9
12.5°	25788.4	25955.5
13°	25708.8	25946.1
13.5°	25708.8	25882.0
14°	25601.7	25829.5
14.5°	25601.7	25805.2
15°	25495.8	25775.5
15.5°	25430.5	25747.9
16°	25386.0	25698.7
16.5°	25266.7	25651.5
17°	25266.7	25603.7
17.5°	25151.4	25585.5
18°	25151.4	25489.1
18.5°	25012.6	25427.8
19°	25012.6	25396.8
19.5°	24882.5	25357.0
20°	24882.5	25311.8
20.5°	24718.7	25245.8
21°	24561.7	25191.9
21.5°	24561.7	25139.3
22°	24397.2	25104.3

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	24397.2	25049.0
23°	24206.5	24980.9
23.5°	24206.5	24869.7
24°	24021.8	24817.1
24.5°	24021.8	24753.8
25°	23802.8	24674.2
25.5°	23802.8	24614.9
26°	23593.2	24552.3
26.5°	23494.8	24500.4
27°	23363.3	24428.2
27.5°	23120.7	24348.7
28°	23120.7	24266.5
28.5°	22865.9	24218.0
29°	22865.9	24069.0
29.5°	22571.4	24069.0
30°	22571.4	23910.6
30.5°	22278.9	23835.1
31°	22087.5	23766.4
31.5°	21952.0	23582.4
32°	21612.3	23582.4
32.5°	21612.3	23490.7
33°	21227.4	23490.7
33.5°	21227.4	23233.2
34°	20812.9	23123.4
34.5°	20812.9	23046.6
35°	20379.6	22952.2
35.5°	20379.6	22856.5
36°	19877.4	22737.9
36.5°	19351.0	22634.1
37°	19351.0	22525.6
37.5°	18759.9	22438.6
38°	18759.9	22321.3
38.5°	18150.7	22200.7
39°	18150.7	21974.2
39.5°	17522.5	21849.5
40°	17522.5	21732.9
40.5°	16866.0	21580.6
41°	16866.0	21464.7
41.5°	16213.6	21321.8
42°	15586.8	21206.5
42.5°	15586.8	21047.5
43°	14970.1	20899.9
43.5°	14970.1	20603.3
44°	14381.0	20603.3
44.5°	14381.0	20272.4

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	13802.1	20074.2
45.5°	13802.1	19924.6
46°	13258.8	19729.8
46.5°	13051.9	19568.1
47°	12716.2	19347.0
47.5°	12201.3	19158.3
48°	12201.3	18928.4
48.5°	11745.0	18755.9
49°	11745.0	18306.4
49.5°	11339.9	18047.5
50°	11339.9	17843.3
50.5°	10962.5	17584.5
51°	10962.5	17354.0
51.5°	10577.7	17072.3
52°	10219.8	16831.6
52.5°	10219.8	16549.9
53°	9899.6	16310.7
53.5°	9899.6	16016.8
54°	9640.8	15740.5
54.5°	9640.8	15171.6
55°	9406.9	14871.0
55.5°	9406.9	14581.9
56°	9107.7	14267.8
56.5°	8955.4	13973.9
57°	8791.6	13667.3
57.5°	8470.8	13376.1
58°	8470.8	13062.7
58.5°	8225.4	12747.9
59°	8225.4	12135.9
59.5°	7932.2	11831.3
60°	7932.2	11511.1
60.5°	7600.6	11204.5
61°	7600.6	10897.1
61.5°	7339.1	10606.6
62°	7070.9	10295.3
62.5°	7070.9	10005.4
63°	6717.0	9689.3
63.5°	6717.0	9407.6
64°	6378.0	9111.7
64.5°	6378.0	8529.4
65°	6022.1	8253.1
65.5°	6022.1	7966.6
66°	5685.8	7702.4
66.5°	5685.8	7417.3
67°	5324.6	7152.4

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	4918.1	6870.0
68°	4918.1	6615.3
68.5°	4459.1	6341.6
69°	4459.1	6091.6
69.5°	4045.3	5810.5
70°	4045.3	5297.6
70.5°	3702.9	5061.7
71°	3702.9	4796.1
71.5°	3343.7	4568.3
72°	2992.5	4316.9
72.5°	2992.5	4103.3
73°	2851.7	3859.3
73.5°	2510.0	3651.0
74°	2374.5	3409.7
74.5°	2144.6	2993.2
75°	2004.5	2812.6
75.5°	1780.7	2594.2
76°	1667.5	2425.0
76.5°	1467.3	2218.1
77°	1393.1	2067.1
77.5°	1167.4	1873.7
78°	1017.1	1736.9
78.5°	981.3	1554.2
79°	833.1	1437.6
79.5°	807.4	1268.5
80°	667.3	1016.4
80.5°	505.5	936.2
81°	505.5	798.7
81.5°	485.9	735.3
82°	372.7	612.7
82.5°	355.2	562.8
83°	263.5	459.7
83.5°	208.9	423.3
84°	197.5	339.0
84.5°	160.4	312.7
85°	150.3	244.0
85.5°	124.0	171.9
86°	120.6	157.7
86.5°	93.7	117.9
87°	89.0	100.4
87.5°	67.4	72.1
88°	49.2	60.7
88.5°	49.2	40.4
89°	35.7	40.4
89.5°	35.7	25.6

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

Scaled Data Report

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	20.9	12.1
90.5°	20.9	12.1
91°	10.1	2.7
91.5°	10.1	2.7
92°	6.7	0.7
92.5°	6.7	0.7
93°	1.3	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	1.3
100°	0.7	1.3
100.5°	0.7	1.3
101°	0.7	1.3
101.5°	0.7	1.3
102°	0.7	1.3
102.5°	0.7	1.3
103°	0.7	1.3
103.5°	0.7	1.3
104°	0.7	1.3
104.5°	0.7	1.3
105°	0.7	2.0
105.5°	0.7	2.0
106°	1.3	2.0
106.5°	1.3	2.0
107°	1.3	2.0
107.5°	1.3	2.0
108°	1.3	2.7
108.5°	2.0	2.7
109°	2.0	2.7
109.5°	2.0	3.4
110°	2.0	3.4
110.5°	2.0	3.4
111°	2.0	3.4
111.5°	2.0	3.4
112°	2.0	3.4

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

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	4.0
114.5°	2.7	4.0
115°	2.7	4.7
115.5°	2.7	4.7
116°	3.4	4.7
116.5°	3.4	4.7
117°	4.0	4.7
117.5°	4.0	4.7
118°	4.0	5.4
118.5°	4.0	5.4
119°	4.0	5.4
119.5°	4.0	6.1
120°	4.0	6.1
120.5°	4.0	6.1
121°	4.0	6.1
121.5°	4.7	6.7
122°	4.7	6.7
122.5°	5.4	6.1
123°	5.4	6.1
123.5°	5.4	6.7
124°	5.4	6.7
124.5°	5.4	6.7
125°	5.4	7.4
125.5°	5.4	7.4
126°	6.7	7.4
126.5°	6.7	7.4
127°	6.7	7.4
127.5°	6.7	7.4
128°	6.7	8.1
128.5°	6.7	8.1
129°	6.7	8.1
129.5°	7.4	8.8
130°	7.4	8.8
130.5°	7.4	8.8
131°	7.4	8.8
131.5°	8.1	8.8
132°	8.1	8.8
132.5°	8.1	9.4
133°	8.1	9.4
133.5°	8.1	9.4
134°	8.1	9.4
134.5°	8.1	9.4

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	8.8	9.4
135.5°	8.8	10.1
136°	8.8	10.1
136.5°	8.8	10.1
137°	9.4	10.1
137.5°	9.4	10.1
138°	9.4	10.1
138.5°	9.4	10.1
139°	9.4	10.8
139.5°	10.1	10.8
140°	10.1	10.8
140.5°	10.1	10.8
141°	10.1	10.8
141.5°	10.1	11.5
142°	10.1	11.5
142.5°	10.8	11.5
143°	10.8	11.5
143.5°	10.8	11.5
144°	10.8	11.5
144.5°	10.8	12.1
145°	11.5	12.1
145.5°	11.5	12.1
146°	11.5	12.8
146.5°	11.5	12.1
147°	11.5	12.1
147.5°	11.5	12.8
148°	11.5	12.8
148.5°	11.5	12.8
149°	12.1	12.8
149.5°	12.1	12.8
150°	12.8	12.8
150.5°	12.8	12.8
151°	12.8	13.5
151.5°	12.8	13.5
152°	12.8	13.5
152.5°	12.8	13.5
153°	12.8	14.2
153.5°	12.8	14.2
154°	12.8	14.2
154.5°	13.5	14.2
155°	13.5	14.2
155.5°	13.5	14.2
156°	13.5	14.2
156.5°	13.5	14.2
157°	13.5	14.2

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

Scaled Data Report

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
157.5°	13.5	14.2
158°	13.5	14.2
158.5°	13.5	14.2
159°	13.5	14.2
159.5°	14.2	14.2
160°	14.2	14.2
160.5°	14.8	14.2
161°	14.8	14.2
161.5°	14.8	14.2
162°	14.8	14.2
162.5°	14.8	14.2
163°	14.8	14.8
163.5°	14.8	14.8
164°	14.8	14.8
164.5°	14.8	14.8
165°	14.8	14.8
165.5°	14.8	15.5
166°	14.8	15.5
166.5°	14.8	15.5
167°	14.8	15.5
167.5°	14.8	15.5
168°	14.8	15.5
168.5°	14.8	15.5
169°	14.8	15.5
169.5°	15.5	15.5
170°	15.5	15.5
170.5°	14.8	15.5
171°	14.8	15.5
171.5°	15.5	15.5
172°	16.2	15.5
172.5°	16.2	15.5
173°	16.2	15.5
173.5°	15.5	15.5
174°	15.5	15.5
174.5°	15.5	15.5
175°	16.2	15.5
175.5°	16.2	15.5
176°	16.2	15.5
176.5°	16.2	15.5
177°	16.2	15.5
177.5°	16.2	15.5
178°	16.2	15.5
178.5°	16.2	16.2
179°	16.2	16.2
179.5°	16.2	15.5

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	16.3	16.3

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

Scaled Data Report

TEST NUMBER: P1594642
CATALOG NUMBER: FLXB-4860-M-HI-5700K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	28.3	29.8	28.7	30.1	30.4	26.2	27.7	26.6	28.0	28.3
	3H	29.8	31.1	30.1	31.4	31.8	26.6	28.0	27.0	28.3	28.7
	4H	30.1	31.3	30.5	31.7	32.1	26.6	27.9	27.0	28.2	28.6
	6H	30.2	31.3	30.6	31.7	32.1	26.6	27.7	27.0	28.1	28.5
	8H	30.2	31.3	30.6	31.7	32.1	26.5	27.6	27.0	28.0	28.4
	12H	30.2	31.2	30.6	31.6	32.0	26.5	27.6	26.9	27.9	28.4
4H	2H	28.5	29.8	28.9	30.1	30.5	26.7	28.0	27.1	28.3	28.7
	3H	30.1	31.1	30.5	31.6	32.0	27.2	28.2	27.6	28.6	29.0
	4H	30.5	31.4	30.9	31.8	32.3	27.2	28.1	27.6	28.5	29.0
	6H	30.6	31.4	31.1	31.9	32.3	27.2	28.0	27.6	28.4	28.9
	8H	30.6	31.4	31.1	31.8	32.3	27.1	27.9	27.6	28.3	28.8
	12H	30.6	31.3	31.1	31.8	32.2	27.1	27.8	27.6	28.2	28.7
8H	4H	30.4	31.2	30.9	31.6	32.1	27.3	28.1	27.8	28.5	29.0
	6H	30.6	31.2	31.1	31.7	32.2	27.3	27.9	27.8	28.4	28.8
	8H	30.6	31.1	31.1	31.6	32.1	27.2	27.8	27.7	28.3	28.8
	12H	30.6	31.1	31.1	31.5	32.1	27.2	27.7	27.7	28.2	28.7
12H	4H	30.4	31.1	30.9	31.6	32.0	27.3	28.0	27.8	28.4	28.9
	6H	30.5	31.1	31.1	31.6	32.1	27.2	27.8	27.8	28.3	28.8
	8H	30.5	31.0	31.1	31.5	32.1	27.2	27.7	27.7	28.2	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: SP3-2602-684-5

Test Date: 02/20/2026

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

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

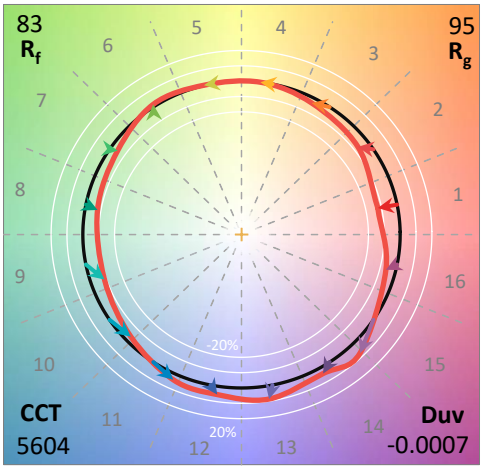
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	02/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**HLBX-2436-W-HI-5700K**
Description:	LDS HLBX 2436 W beam, HI lumen, 5700K CCT settings

Spectral Parameters

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

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



Test Conditions

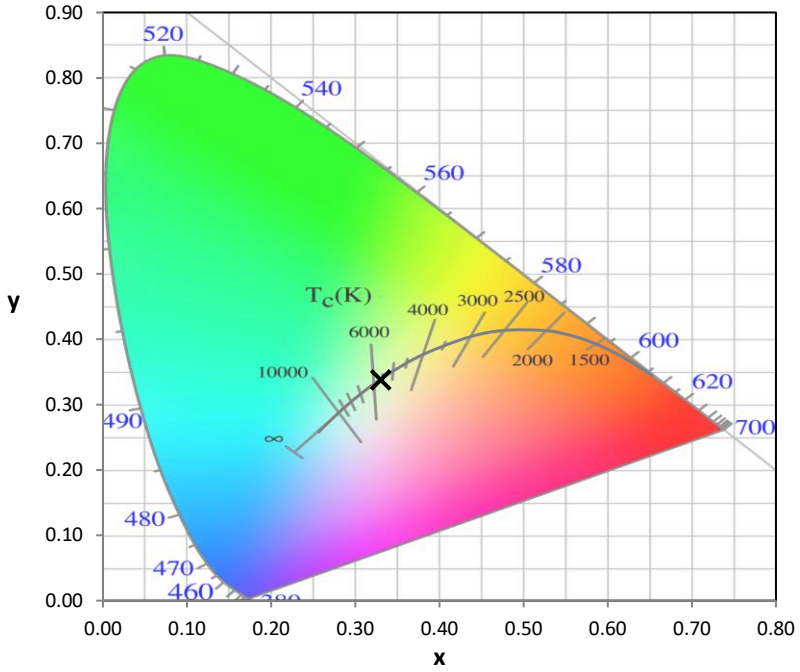
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-5

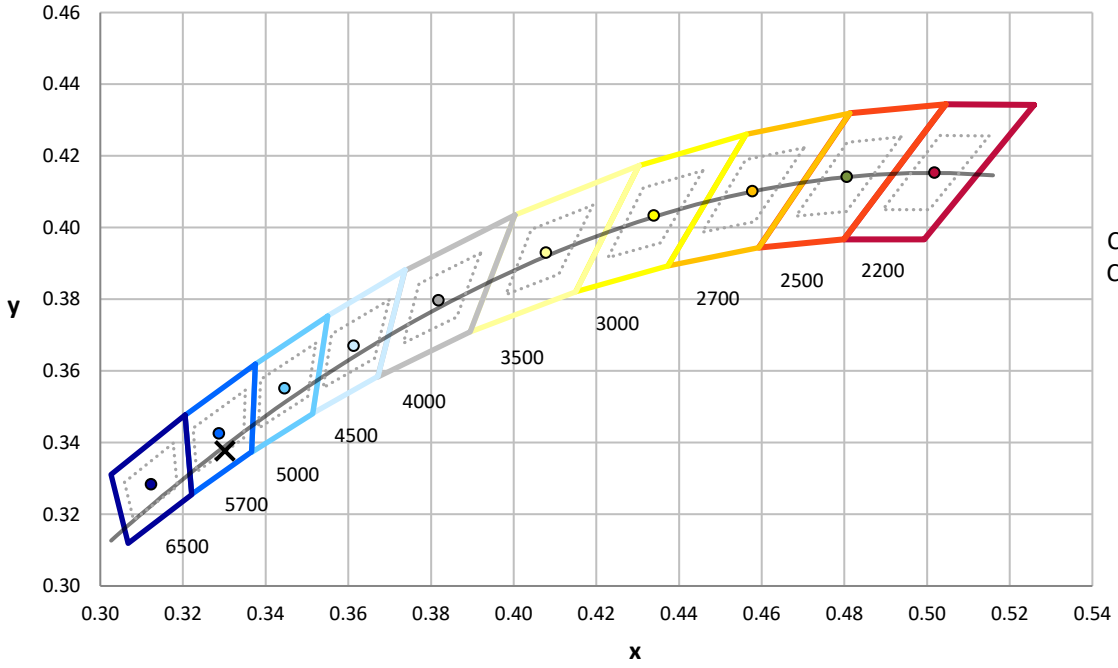
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-5

CIE 1931 Chromaticity Diagram



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

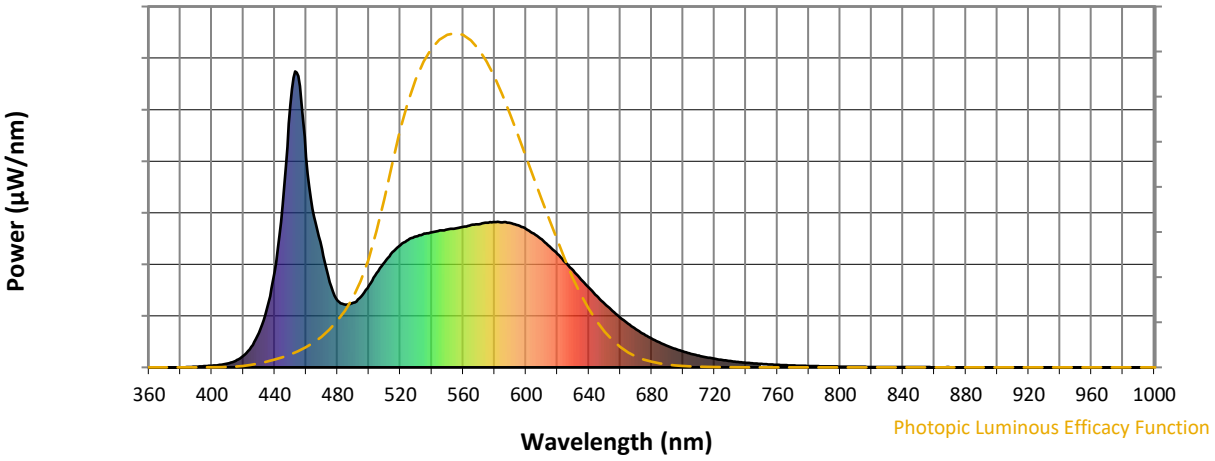


CCT = 5604K
CIE x = 0.3301
CIE y = 0.3376
Duv = -0.0007

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-5

Photopic Flux vs. Wavelength

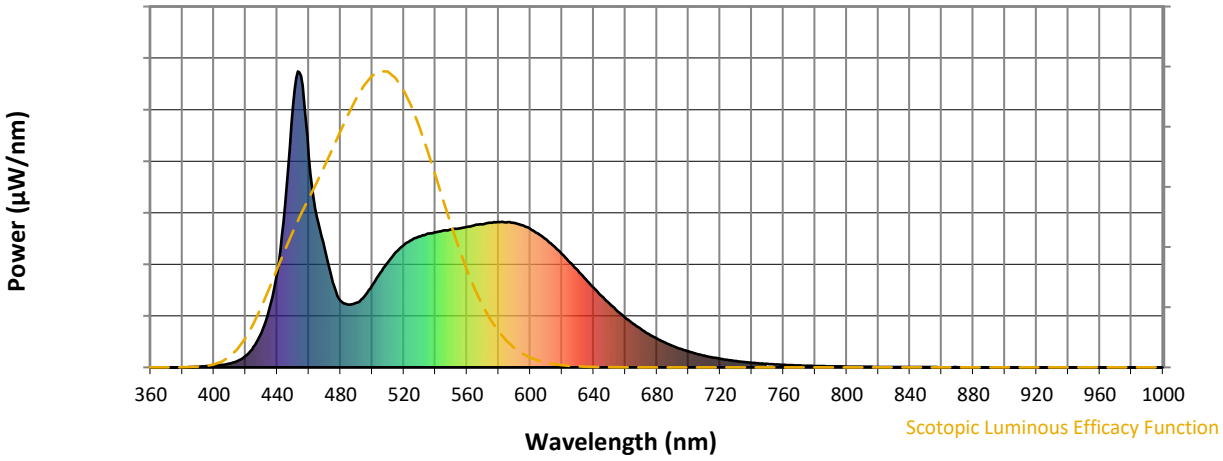


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP3-2602-684-5

Scotopic Flux vs. Wavelength

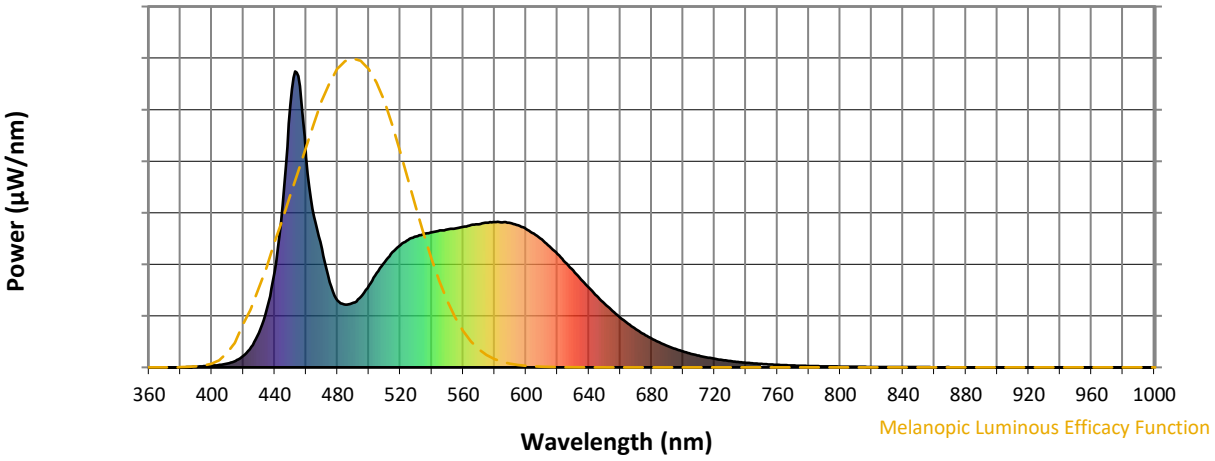


Scotopic Lumens: NR **S/P: 2.09**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

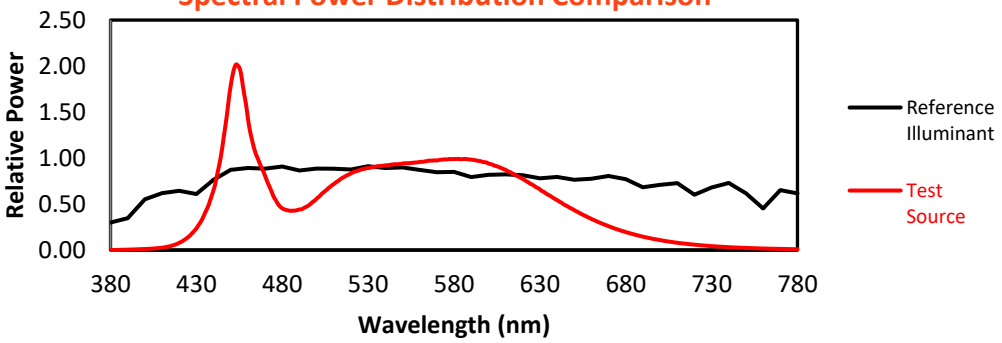
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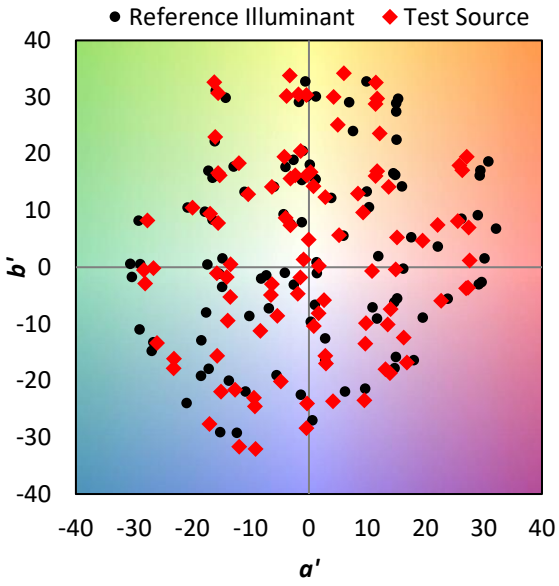
Summary

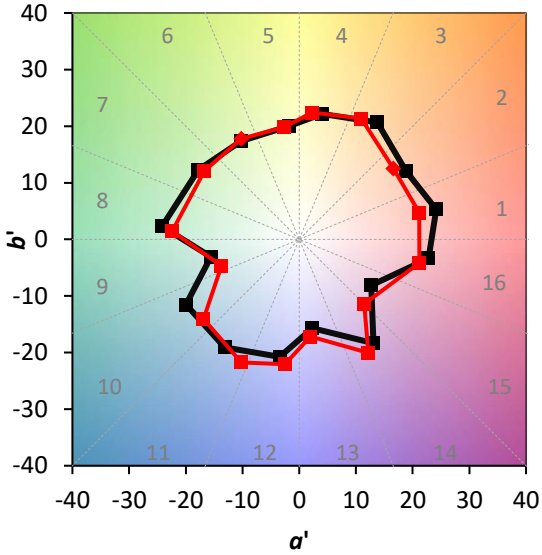
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R_g = 95.3
CIE R_a = 84.2
R_9 = 14.9

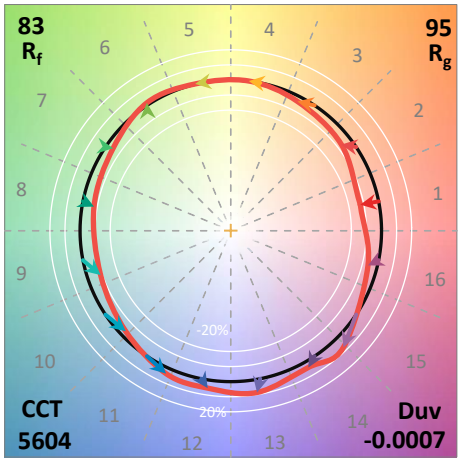
Spectral Power Distribution Comparison

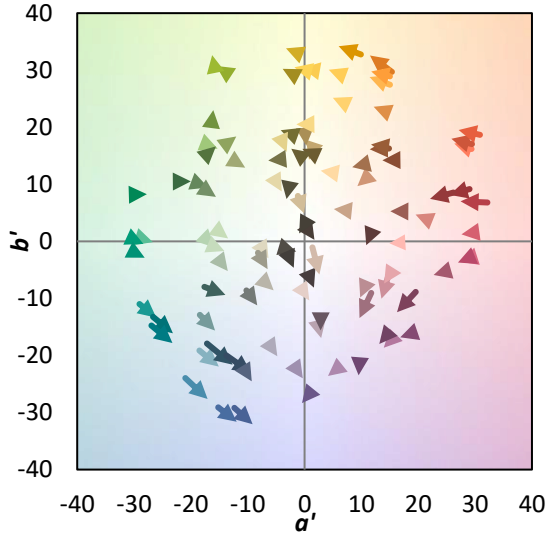


Color Vector Graphics







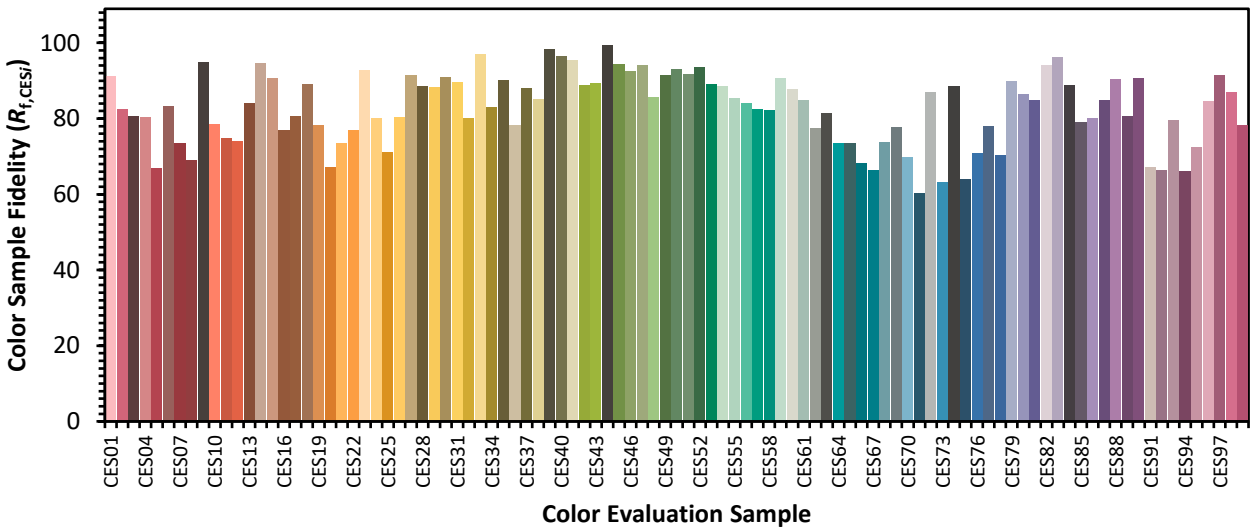


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Individual Sample Fidelity Index ($R_{f,i}$)

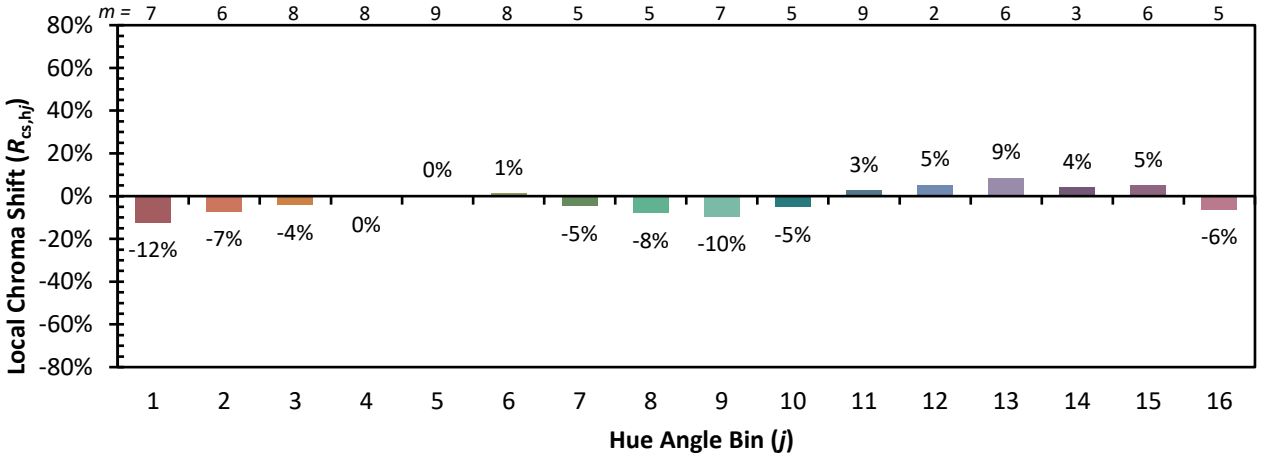
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 71
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 78
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 70
CES04 = 69	CES29 = 88	CES54 = 88	CES79 = 90
CES05 = 46	CES30 = 91	CES55 = 85	CES80 = 87
CES06 = 50	CES31 = 90	CES56 = 84	CES81 = 85
CES07 = 39	CES32 = 80	CES57 = 82	CES82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

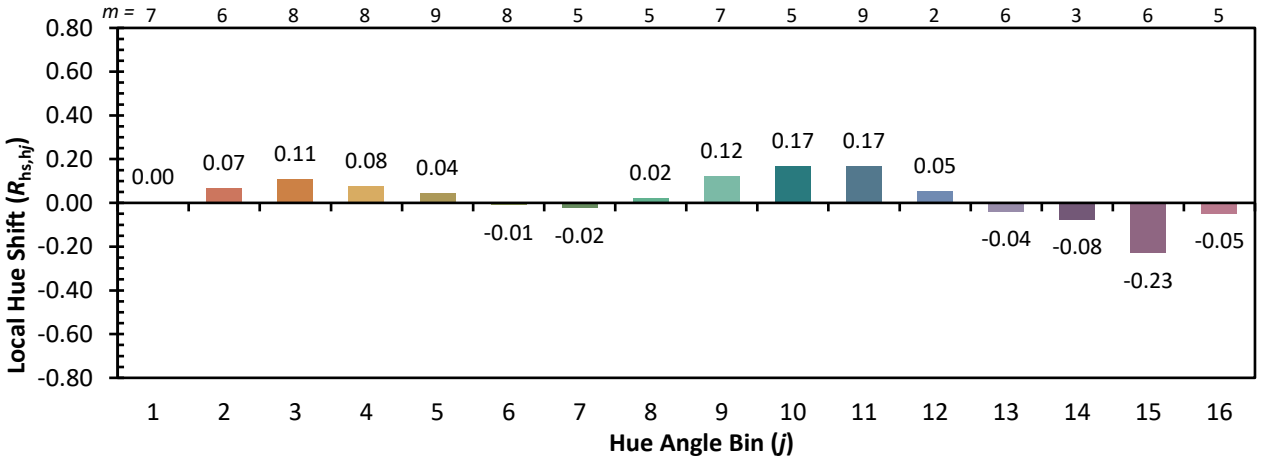


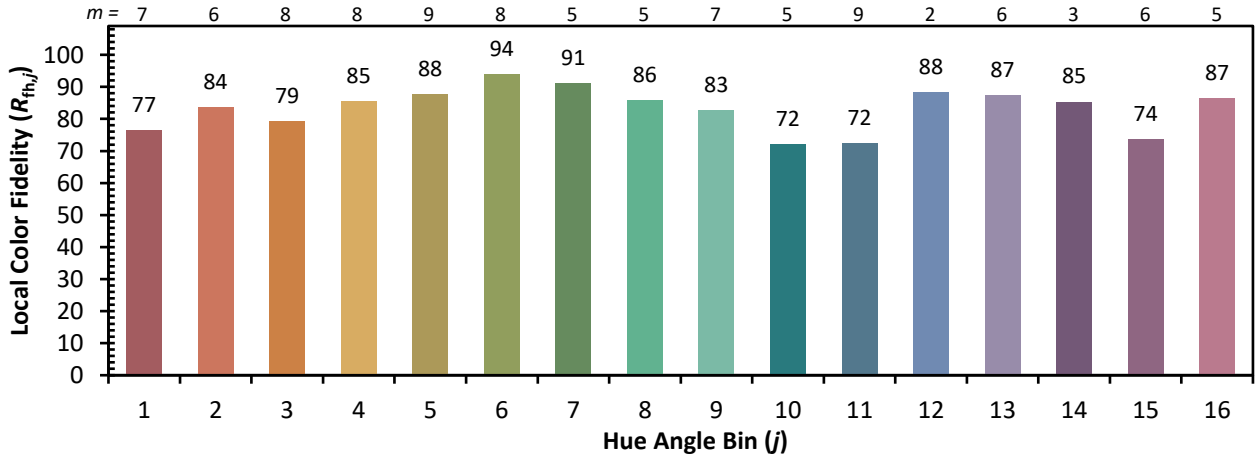
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Color Rendition by Hue-Angle Bin



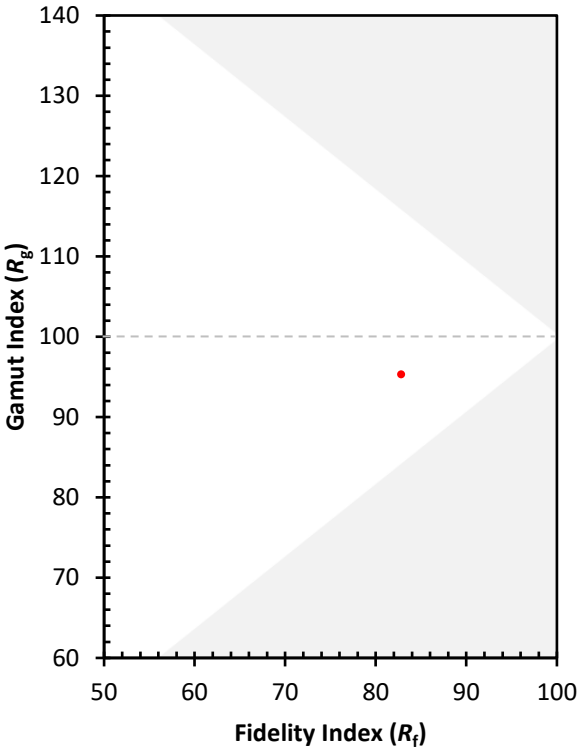


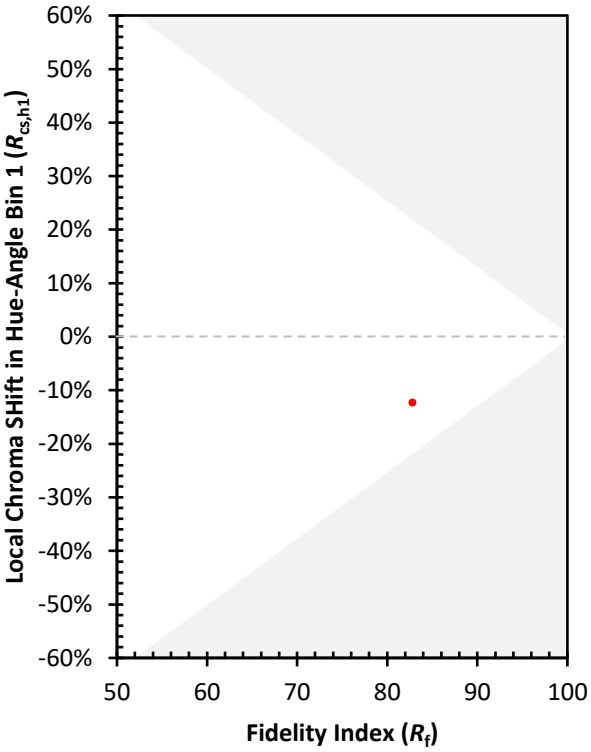


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Measure Comparisons





(END OF REPORT)