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: P1594649

Luminaire Tested: FLXB-4860-M-MED-3500K

Issue Date: 10/2/2026

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594649
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2601781A001)
Test Lab:	INNOVATION CENTER
Issue Date:	10/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	FLXB-4860-M-MED-3500K
Description:	4860 FlexBay Linear High bay at M beam, MED lumen, 3500K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	54911.0 lumens
Efficiency:	N/A
Efficacy:	169.6 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

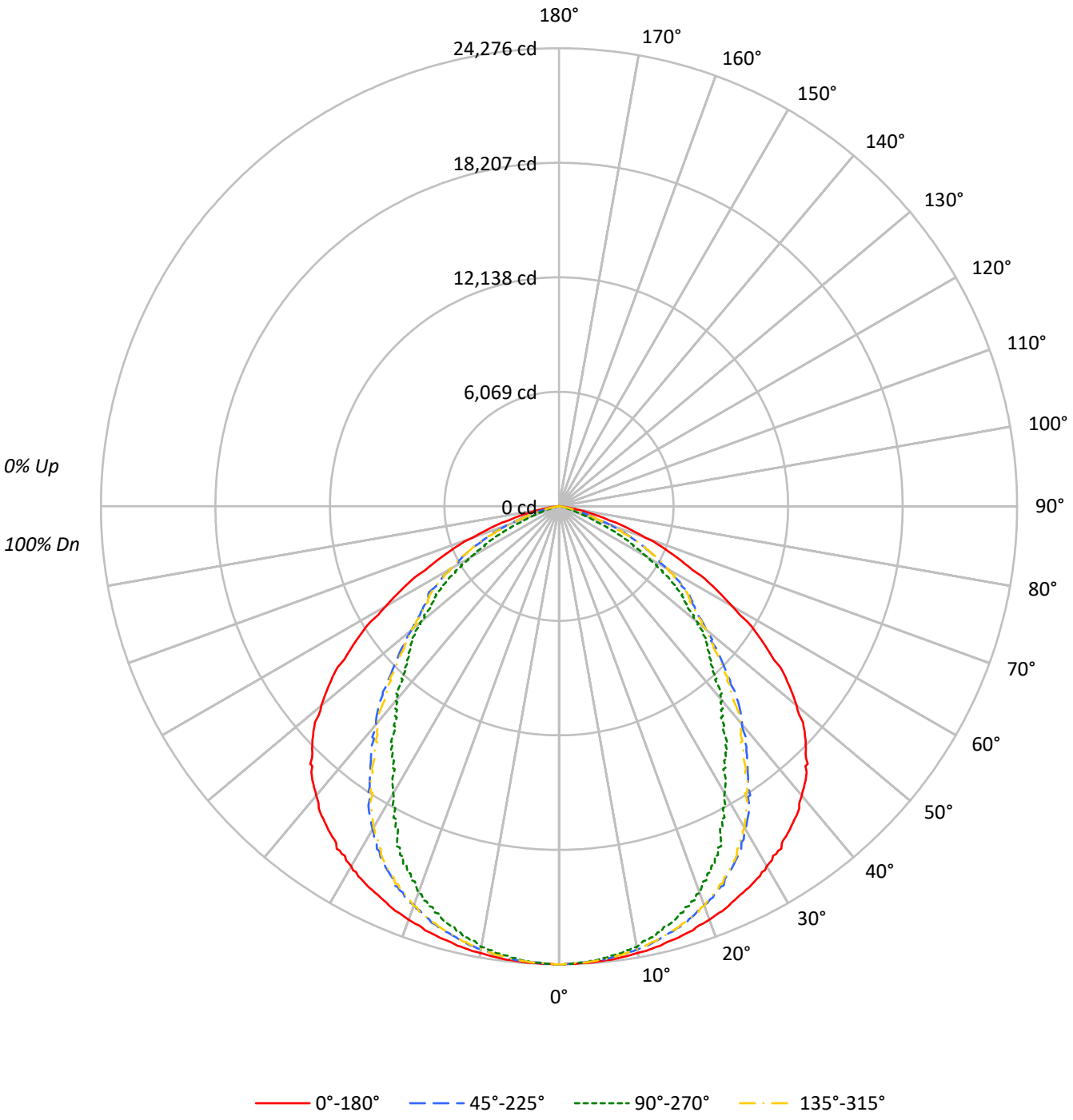
Input Watts (W):	323.7
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

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°	118042	118042	118042	118042
5°	118184	117691	118184	117691
10°	118689	117105	118689	117105
15°	119519	115134	119519	115134
20°	120645	112884	120645	112884
25°	121938	107059	121938	107059
30°	123661	98588	123661	98588
35°	125497	91051	125497	91051
40°	127068	85447	127068	85447
45°	127153	77220	127153	77220
50°	124332	72972	124332	72972
55°	116124	64530	116124	64530
60°	103114	54121	103114	54121
65°	87466	37564	87466	37564
70°	69375	21616	69375	21616
75°	48671	9565	48671	9565
80°	26216	6068	26216	6068
85°	12536	4090	12536	4090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46.5°
Luminance: 127323 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2296.2	4.2
10°-20°	6573.1	12.0
20°-30°	9809.3	17.9
30°-40°	11037.9	20.1
40°-50°	10288.7	18.7
50°-60°	8186.9	14.9
60°-70°	4964.1	9.0
70°-80°	1556.8	2.8
80°-90°	164.7	0.3
90°-100°	2.0	0.0
100°-110°	1.0	0.0
110°-120°	2.7	0.0
120°-130°	4.6	0.0
130°-140°	5.9	0.0
140°-150°	6.3	0.0
150°-160°	5.6	0.0
160°-170°	3.9	0.0
170°-180°	1.4	0.0
0°-30°	18678.6	34.0
0°-40°	29716.5	54.1
0°-60°	48192.1	87.8
0°-90°	54877.7	99.9
90°-120°	5.7	0.0
90°-150°	22.4	0.0
90°-180°	33.0	0.1
0°-180°	54911.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	24276	24276	24276	24276	24276	
5°	24212	24111	24212	24111	24212	2306
15°	23742	22871	23742	22871	23742	6712
25°	22727	19954	22727	19954	22727	10502
35°	21141	15338	21141	15338	21141	13238
45°	18490	11229	18490	11229	18490	14249
55°	13698	7612	13698	7612	13698	12252
65°	7602	3265	7602	3265	7602	7659
75°	2591	509	2591	509	2591	2902
85°	225	73	225	73	225	326
90°	11	17	11	17	11	12
95°	1	1	1	1	1	1
105°	2	1	2	1	2	2
115°	4	2	4	2	4	4
125°	7	4	7	4	7	6
135°	9	6	9	6	9	7
145°	11	9	11	9	11	7
155°	13	12	13	12	13	6
165°	14	14	14	14	14	4
175°	14	15	14	15	14	1
180°	15	15	15	15	15	

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5
0.5°	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5	24275.5
1°	24259.5	24296.7	24227.2	24256.3	24215.4	24259.5	24259.5	24296.7	24227.2	24256.3	24215.4
1.5°	24251.4	24277.5	24237.1	24256.3	24240.2	24259.5	24251.4	24277.5	24237.1	24256.3	24240.2
2°	24267.5	24270.6	24216.0	24214.8	24206.7	24257.0	24267.5	24270.6	24216.0	24214.8	24206.7
2.5°	24253.9	24270.6	24153.3	24214.8	24206.7	24247.0	24253.9	24270.6	24153.3	24214.8	24206.7
3°	24231.5	24252.0	24158.3	24214.8	24206.7	24231.5	24231.5	24252.0	24158.3	24214.8	24206.7
3.5°	24237.7	24253.2	24158.3	24214.8	24206.7	24231.5	24237.7	24253.2	24158.3	24214.8	24206.7
4°	24238.3	24235.9	24145.8	24149.0	24154.5	24213.5	24238.3	24235.9	24145.8	24149.0	24154.5
4.5°	24235.2	24207.9	24120.4	24149.0	24144.0	24213.5	24235.2	24207.9	24120.4	24149.0	24144.0
5°	24212.3	24209.2	24114.8	24111.1	24119.8	24180.6	24212.3	24209.2	24114.8	24111.1	24119.8
5.5°	24195.5	24211.0	24085.6	24056.5	24075.1	24147.7	24195.5	24211.0	24085.6	24056.5	24075.1
6°	24185.0	24175.6	24085.6	24056.5	24075.7	24147.7	24185.0	24175.6	24085.6	24056.5	24075.7
6.5°	24191.8	24145.2	24015.5	23972.6	24040.3	24114.2	24191.8	24145.2	24015.5	23972.6	24040.3
7°	24180.0	24143.4	23970.2	23972.6	23999.3	24114.2	24180.0	24143.4	23970.2	23972.6	23999.3
7.5°	24153.3	24101.2	23952.2	23919.9	23957.1	24066.4	24153.3	24101.2	23952.2	23919.9	23957.1
8°	24121.6	24101.2	23901.9	23919.9	23957.1	24066.4	24121.6	24101.2	23901.9	23919.9	23957.1
8.5°	24113.6	24055.8	23878.9	23800.1	23861.5	24025.4	24113.6	24055.8	23878.9	23800.1	23861.5
9°	24093.7	24014.2	23802.5	23800.1	23830.5	24025.4	24093.7	24014.2	23802.5	23800.1	23830.5
9.5°	24057.1	23996.9	23802.5	23716.9	23793.2	23954.0	24057.1	23996.9	23802.5	23716.9	23793.2
10°	24037.8	23988.8	23706.3	23716.9	23721.2	23954.0	24037.8	23988.8	23706.3	23716.9	23721.2
10.5°	24018.0	23939.7	23706.3	23599.5	23692.7	23896.9	24018.0	23939.7	23706.3	23599.5	23692.7
11°	24010.5	23887.0	23611.3	23470.4	23641.1	23826.1	24010.5	23887.0	23611.3	23470.4	23641.1
11.5°	23980.7	23872.1	23611.3	23470.4	23577.8	23826.1	23980.7	23872.1	23611.3	23470.4	23577.8
12°	23944.7	23845.4	23499.0	23364.9	23479.7	23753.5	23944.7	23845.4	23499.0	23364.9	23479.7
12.5°	23907.5	23796.9	23425.1	23364.9	23479.7	23753.5	23907.5	23796.9	23425.1	23364.9	23479.7
13°	23898.8	23719.3	23382.9	23181.1	23344.4	23680.2	23898.8	23719.3	23382.9	23181.1	23344.4
13.5°	23839.8	23664.1	23300.3	23181.1	23344.4	23680.2	23839.8	23664.1	23300.3	23181.1	23344.4
14°	23791.4	23626.8	23241.9	22965.7	23231.4	23581.5	23791.4	23626.8	23241.9	22965.7	23231.4
14.5°	23769.0	23598.3	23105.4	22965.7	23137.0	23581.5	23769.0	23598.3	23105.4	22965.7	23137.0
15°	23741.7	23538.7	23105.4	22870.7	23081.8	23484.1	23741.7	23538.7	23105.4	22870.7	23081.8
15.5°	23716.2	23474.7	22966.3	22804.3	23018.4	23423.8	23716.2	23474.7	22966.3	22804.3	23018.4
16°	23670.9	23443.1	22966.3	22688.8	22929.7	23382.9	23670.9	23443.1	22966.3	22688.8	22929.7
16.5°	23627.5	23408.3	22811.1	22506.3	22835.9	23273.0	23627.5	23408.3	22811.1	22506.3	22835.9
17°	23583.4	23340.0	22811.1	22506.3	22776.3	23273.0	23583.4	23340.0	22811.1	22506.3	22776.3
17.5°	23566.6	23230.8	22636.7	22277.2	22586.4	23166.8	23566.6	23230.8	22636.7	22277.2	22586.4
18°	23477.8	23230.8	22531.1	22277.2	22586.4	23166.8	23477.8	23230.8	22531.1	22277.2	22586.4
18.5°	23421.4	23109.1	22449.2	22081.7	22413.2	23038.9	23421.4	23109.1	22449.2	22081.7	22413.2
19°	23392.8	23058.2	22252.4	22081.7	22413.2	23038.9	23392.8	23058.2	22252.4	22081.7	22413.2
19.5°	23356.2	22988.0	22252.4	21814.7	22200.8	22919.1	23356.2	22988.0	22252.4	21814.7	22200.8
20°	23314.6	22904.2	22055.0	21814.7	22112.1	22919.1	23314.6	22904.2	22055.0	21814.7	22112.1
20.5°	23253.7	22852.1	22055.0	21573.2	22000.3	22768.3	23253.7	22852.1	22055.0	21573.2	22000.3
21°	23204.1	22802.4	21844.5	21298.2	21865.0	22623.6	23204.1	22802.4	21844.5	21298.2	21865.0
21.5°	23155.6	22716.1	21844.5	21298.2	21768.1	22623.6	23155.6	22716.1	21844.5	21298.2	21768.1
22°	23123.4	22630.4	21521.0	20989.0	21501.2	22472.1	23123.4	22630.4	21521.0	20989.0	21501.2

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	23072.5	22572.1	21521.0	20989.0	21501.2	22472.1	23072.5	22572.1	21521.0	20989.0	21501.2
23°	23009.8	22410.1	21407.4	20694.1	21258.5	22296.4	23009.8	22410.1	21407.4	20694.1	21258.5
23.5°	22907.3	22410.1	21407.4	20694.1	21258.5	22296.4	22907.3	22410.1	21407.4	20694.1	21258.5
24°	22858.9	22248.0	20980.9	20318.5	20948.7	22126.3	22858.9	22248.0	20980.9	20318.5	20948.7
24.5°	22800.5	22143.7	20849.3	20318.5	20808.4	22126.3	22800.5	22143.7	20849.3	20318.5	20808.4
25°	22727.3	22063.6	20681.7	19954.1	20656.9	21924.6	22727.3	22063.6	20681.7	19954.1	20656.9
25.5°	22672.7	21987.3	20538.9	19954.1	20475.6	21924.6	22672.7	21987.3	20538.9	19954.1	20475.6
26°	22614.9	21878.0	20353.3	19543.8	20316.1	21731.5	22614.9	21878.0	20353.3	19543.8	20316.1
26.5°	22567.1	21762.5	20203.1	19119.1	20152.2	21640.9	22567.1	21762.5	20203.1	19119.1	20152.2
27°	22500.7	21680.6	20017.4	19119.1	19966.5	21519.8	22500.7	21680.6	20017.4	19119.1	19966.5
27.5°	22427.4	21583.8	19649.3	18684.6	19609.0	21296.3	22427.4	21583.8	19649.3	18684.6	19609.0
28°	22351.7	21467.0	19649.3	18684.6	19609.0	21296.3	22351.7	21467.0	19649.3	18684.6	19609.0
28.5°	22307.0	21248.5	19260.1	18196.0	19183.1	21061.7	22307.0	21248.5	19260.1	18196.0	19183.1
29°	22169.8	21118.1	19260.1	18196.0	19183.1	21061.7	22169.8	21118.1	19260.1	18196.0	19183.1
29.5°	22169.8	21005.2	18838.5	17766.4	18776.4	20790.4	22169.8	21005.2	18838.5	17766.4	18776.4
30°	22023.9	20890.3	18630.6	17558.4	18551.1	20790.4	22023.9	20890.3	18630.6	17558.4	18551.1
30.5°	21954.4	20756.8	18386.6	17345.5	18300.9	20520.9	21954.4	20756.8	18386.6	17345.5	18300.9
31°	21891.1	20599.8	18154.4	17145.0	18088.0	20344.6	21891.1	20599.8	18154.4	17145.0	18088.0
31.5°	21721.6	20483.1	17902.3	16890.4	17797.4	20219.8	21721.6	20483.1	17902.3	16890.4	17797.4
32°	21721.6	20346.5	17653.4	16432.3	17546.0	19906.9	21721.6	20346.5	17653.4	16432.3	17546.0
32.5°	21637.2	20195.0	17380.2	16432.3	17261.7	19906.9	21637.2	20195.0	17380.2	16432.3	17261.7
33°	21637.2	19893.3	16843.2	16066.0	16688.7	19552.5	21637.2	19893.3	16843.2	16066.0	16688.7
33.5°	21400.0	19893.3	16843.2	16066.0	16688.7	19552.5	21400.0	19893.3	16843.2	16066.0	16688.7
34°	21298.8	19557.4	16302.5	15759.9	16164.1	19170.7	21298.8	19557.4	16302.5	15759.9	16164.1
34.5°	21228.0	19387.3	16015.1	15759.9	16164.1	19170.7	21228.0	19387.3	16015.1	15759.9	16164.1
35°	21141.1	19202.3	15741.9	15338.4	15623.3	18771.5	21141.1	19202.3	15741.9	15338.4	15623.3
35.5°	21053.0	18971.4	15459.4	15338.4	15386.8	18771.5	21053.0	18971.4	15459.4	15338.4	15386.8
36°	20943.7	18805.6	15193.7	14933.0	15105.0	18309.0	20943.7	18805.6	15193.7	14933.0	15105.0
36.5°	20848.1	18585.9	14920.0	14550.6	14879.6	17824.1	20848.1	18585.9	14920.0	14550.6	14879.6
37°	20748.1	18381.6	14727.5	14550.6	14666.1	17824.1	20748.1	18381.6	14727.5	14550.6	14666.1
37.5°	20668.1	18112.8	14507.1	14109.8	14302.3	17279.7	20668.1	18112.8	14507.1	14109.8	14302.3
38°	20560.0	17917.2	14373.0	14109.8	14302.3	17279.7	20560.0	17917.2	14373.0	14109.8	14302.3
38.5°	20448.9	17405.1	14067.6	13791.3	14147.7	16718.5	20448.9	17405.1	14067.6	13791.3	14147.7
39°	20240.3	17405.1	14067.6	13791.3	13997.4	16718.5	20240.3	17405.1	14067.6	13791.3	13997.4
39.5°	20125.5	16848.2	13766.5	13461.1	13838.5	16139.9	20125.5	16848.2	13766.5	13461.1	13838.5
40°	20018.1	16509.2	13640.5	13461.1	13791.9	16139.9	20018.1	16509.2	13640.5	13461.1	13791.9
40.5°	19877.8	16250.4	13605.7	13146.3	13683.9	15535.2	19877.8	16250.4	13605.7	13146.3	13683.9
41°	19771.0	15926.3	13526.9	13146.3	13509.5	15535.2	19771.0	15926.3	13526.9	13146.3	13509.5
41.5°	19639.4	15621.5	13408.9	12786.2	13416.4	14934.2	19639.4	15621.5	13408.9	12786.2	13416.4
42°	19533.2	15256.4	13322.0	12370.3	13255.6	14356.9	19533.2	15256.4	13322.0	12370.3	13255.6
42.5°	19386.7	14944.8	13153.1	12370.3	13097.9	14356.9	19386.7	14944.8	13153.1	12370.3	13097.9
43°	19250.7	14612.0	12826.6	11953.1	12766.4	13788.8	19250.7	14612.0	12826.6	11953.1	12766.4
43.5°	18977.6	14277.4	12826.6	11953.1	12766.4	13788.8	18977.6	14277.4	12826.6	11953.1	12766.4
44°	18977.6	13672.1	12478.3	11526.0	12370.3	13246.3	18977.6	13672.1	12478.3	11526.0	12370.3
44.5°	18672.8	13387.2	12478.3	11526.0	12370.3	13246.3	18672.8	13387.2	12478.3	11526.0	12370.3

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	18490.3	13091.7	12102.1	11229.2	11940.7	12713.0	18490.3	13091.7	12102.1	11229.2	11940.7
45.5°	18352.4	12838.4	11897.9	11229.2	11747.6	12713.0	18352.4	12838.4	11897.9	11229.2	11747.6
46°	18173.0	12530.5	11701.1	10966.0	11550.2	12212.6	18173.0	12530.5	11701.1	10966.0	11550.2
46.5°	18024.0	12288.3	11496.2	10792.2	11370.2	12022.0	18024.0	12288.3	11496.2	10792.2	11370.2
47°	17820.4	11982.9	11301.3	10754.3	11174.6	11712.9	17820.4	11982.9	11301.3	10754.3	11174.6
47.5°	17646.6	11760.0	11105.1	10512.8	10978.4	11238.5	17646.6	11760.0	11105.1	10512.8	10978.4
48°	17434.9	11450.9	10899.0	10512.8	10801.5	11238.5	17434.9	11450.9	10899.0	10512.8	10801.5
48.5°	17275.9	10989.6	10519.0	10101.2	10432.1	10818.3	17275.9	10989.6	10519.0	10101.2	10432.1
49°	16861.9	10989.6	10519.0	10101.2	10432.1	10818.3	16861.9	10989.6	10519.0	10101.2	10432.1
49.5°	16623.5	10581.1	10347.1	9646.2	10070.8	10445.2	16623.5	10581.1	10347.1	9646.2	10070.8
50°	16435.4	10419.1	9985.1	9646.2	10070.8	10445.2	16435.4	10419.1	9985.1	9646.2	10070.8
50.5°	16197.0	10204.3	9782.7	9202.9	9427.6	10097.5	16197.0	10204.3	9782.7	9202.9	9427.6
51°	15984.7	10035.4	9593.4	9202.9	9427.6	10097.5	15984.7	10035.4	9593.4	9202.9	9427.6
51.5°	15725.2	9847.9	9374.9	8819.9	9205.4	9743.0	15725.2	9847.9	9374.9	8819.9	9205.4
52°	15503.5	9517.7	9150.1	8534.9	9205.4	9413.4	15503.5	9517.7	9150.1	8534.9	9205.4
52.5°	15244.0	9517.7	8932.2	8534.9	9016.7	9413.4	15244.0	9517.7	8932.2	8534.9	9016.7
53°	15023.6	9360.0	8724.9	8284.7	8431.2	9118.5	15023.6	9360.0	8724.9	8284.7	8431.2
53.5°	14753.0	9360.0	8528.1	8284.7	8431.2	9118.5	14753.0	9360.0	8528.1	8284.7	8431.2
54°	14498.4	9211.6	8181.1	8027.1	8230.7	8880.1	14498.4	9211.6	8181.1	8027.1	8230.7
54.5°	13974.5	9211.6	8181.1	8027.1	8230.7	8880.1	13974.5	9211.6	8181.1	8027.1	8230.7
55°	13697.6	9063.8	7971.8	7611.8	8101.0	8664.7	13697.6	9063.8	7971.8	7611.8	8101.0
55.5°	13431.3	8922.3	7867.5	7611.8	8030.2	8664.7	13431.3	8922.3	7867.5	7611.8	8030.2
56°	13142.0	8922.3	7788.7	7261.6	7919.1	8389.0	13142.0	8922.3	7788.7	7261.6	7919.1
56.5°	12871.3	8825.5	7710.5	7055.5	7760.1	8248.7	12871.3	8825.5	7710.5	7055.5	7760.1
57°	12588.8	7999.2	7505.6	6897.2	7584.5	8097.9	12588.8	7999.2	7505.6	6897.2	7584.5
57.5°	12320.6	7903.6	7424.9	6494.9	7453.5	7802.4	12320.6	7903.6	7424.9	6494.9	7453.5
58°	12032.0	7746.5	7294.5	6494.9	7175.3	7802.4	12032.0	7746.5	7294.5	6494.9	7175.3
58.5°	11742.0	7622.9	6842.0	6047.3	6676.8	7576.4	11742.0	7622.9	6842.0	6047.3	6676.8
59°	11178.3	7459.7	6842.0	6047.3	6676.8	7576.4	11178.3	7459.7	6842.0	6047.3	6676.8
59.5°	10897.7	7177.2	6332.9	5565.0	6095.7	7306.3	10897.7	7177.2	6332.9	5565.0	6095.7
60°	10602.8	7046.2	6332.9	5565.0	6095.7	7306.3	10602.8	7046.2	6332.9	5565.0	6095.7
60.5°	10320.4	6890.4	5846.8	5123.6	5681.7	7000.9	10320.4	6890.4	5846.8	5123.6	5681.7
61°	10037.3	6584.3	5596.6	5123.6	5546.3	7000.9	10037.3	6584.3	5596.6	5123.6	5546.3
61.5°	9769.7	6584.3	5488.0	4769.7	5546.3	6760.0	9769.7	6584.3	5488.0	4769.7	5546.3
62°	9482.9	6457.1	5255.8	4455.6	5342.7	6512.9	9482.9	6457.1	5255.8	4455.6	5342.7
62.5°	9215.9	6457.1	5076.4	4455.6	5342.7	6512.9	9215.9	6457.1	5076.4	4455.6	5342.7
63°	8924.8	6157.8	4909.4	4124.7	4739.9	6187.0	8924.8	6157.8	4909.4	4124.7	4739.9
63.5°	8665.3	6157.8	4576.6	4124.7	4558.0	6187.0	8665.3	6157.8	4576.6	4124.7	4558.0
64°	8392.8	5889.0	4352.5	3730.5	4409.0	5874.7	8392.8	5889.0	4352.5	3730.5	4409.0
64.5°	7856.4	5771.7	4352.5	3730.5	4235.2	5874.7	7856.4	5771.7	4352.5	3730.5	4235.2
65°	7601.8	5598.5	3917.3	3264.8	4047.1	5547.0	7601.8	5598.5	3917.3	3264.8	4047.1
65.5°	7338.0	5321.0	3740.4	3264.8	3857.7	5547.0	7338.0	5321.0	3740.4	3264.8	3857.7
66°	7094.6	5321.0	3567.2	2804.8	3618.1	5237.2	7094.6	5321.0	3567.2	2804.8	3618.1
66.5°	6832.0	4973.9	3392.7	2804.8	3192.2	5237.2	6832.0	4973.9	3392.7	2804.8	3192.2
67°	6588.1	4973.9	3177.9	2426.8	3192.2	4904.4	6588.1	4973.9	3177.9	2426.8	3192.2

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	6327.9	4665.4	2988.0	2118.2	2789.3	4530.1	6327.9	4665.4	2988.0	2118.2	2789.3
68°	6093.3	4665.4	2804.2	2118.2	2789.3	4530.1	6093.3	4665.4	2804.2	2118.2	2789.3
68.5°	5841.2	4351.3	2579.5	1817.7	2435.4	4107.3	5841.2	4351.3	2579.5	1817.7	2435.4
69°	5610.9	4201.7	2424.9	1817.7	2212.6	4107.3	5610.9	4201.7	2424.9	1817.7	2212.6
69.5°	5352.0	4024.7	2084.7	1520.4	2031.9	3726.1	5352.0	4024.7	2084.7	1520.4	2031.9
70°	4879.6	3859.6	2084.7	1520.4	1832.6	3726.1	4879.6	3859.6	2084.7	1520.4	1832.6
70.5°	4662.3	3661.5	1771.8	1264.6	1659.4	3410.7	4662.3	3661.5	1771.8	1264.6	1659.4
71°	4417.7	3276.6	1564.4	1264.6	1339.1	3410.7	4417.7	3276.6	1564.4	1264.6	1339.1
71.5°	4207.9	3276.6	1478.2	1068.4	1339.1	3079.8	4207.9	3276.6	1478.2	1068.4	1339.1
72°	3976.3	2901.1	1280.1	949.2	1079.6	2756.4	3976.3	2901.1	1280.1	949.2	1079.6
72.5°	3779.5	2901.1	1208.1	918.2	1079.6	2756.4	3779.5	2901.1	1208.1	918.2	1079.6
73°	3554.8	2544.1	1047.3	786.6	925.0	2626.7	3554.8	2544.1	1047.3	786.6	925.0
73.5°	3362.9	2544.1	982.7	786.6	854.9	2311.9	3362.9	2544.1	982.7	786.6	854.9
74°	3140.7	2196.4	803.3	648.7	784.7	2187.1	3140.7	2196.4	803.3	648.7	784.7
74.5°	2757.0	1995.9	803.3	648.7	707.7	1975.4	2757.0	1995.9	803.3	648.7	707.7
75°	2590.6	1852.5	690.3	509.1	635.7	1846.3	2590.6	1852.5	690.3	509.1	635.7
75.5°	2389.5	1558.9	690.3	509.1	589.2	1640.2	2389.5	1558.9	690.3	509.1	589.2
76°	2233.7	1558.9	586.0	397.9	537.6	1535.9	2233.7	1558.9	586.0	397.9	537.6
76.5°	2043.1	1298.1	508.4	397.9	427.7	1351.5	2043.1	1298.1	508.4	397.9	427.7
77°	1904.0	1298.1	466.2	343.9	427.7	1283.2	1904.0	1298.1	466.2	343.9	427.7
77.5°	1725.9	1047.9	415.3	312.3	393.6	1075.2	1725.9	1047.9	415.3	312.3	393.6
78°	1599.8	922.5	377.5	312.3	347.7	936.8	1599.8	922.5	377.5	312.3	347.7
78.5°	1431.6	804.0	341.4	260.1	347.7	903.9	1431.6	804.0	341.4	260.1	347.7
79°	1324.2	804.0	324.1	260.1	302.3	767.3	1324.2	804.0	324.1	260.1	302.3
79.5°	1168.4	597.8	281.2	216.7	260.1	743.7	1168.4	597.8	281.2	216.7	260.1
80°	936.2	498.5	281.2	216.7	196.2	614.6	936.2	498.5	281.2	216.7	196.2
80.5°	862.3	440.8	222.3	174.4	177.6	465.6	862.3	440.8	222.3	174.4	177.6
81°	735.7	329.7	176.9	174.4	170.1	465.6	735.7	329.7	176.9	174.4	170.1
81.5°	677.3	329.7	166.4	145.9	163.3	447.6	677.3	329.7	166.4	145.9	163.3
82°	564.3	257.6	144.6	145.9	136.0	343.3	564.3	257.6	144.6	145.9	136.0
82.5°	518.4	257.6	137.2	127.3	136.0	327.2	518.4	257.6	137.2	127.3	136.0
83°	423.4	199.3	127.9	103.7	109.3	242.7	423.4	199.3	127.9	103.7	109.3
83.5°	389.9	199.3	116.7	103.7	109.3	192.5	389.9	199.3	116.7	103.7	109.3
84°	312.3	150.2	103.7	85.1	93.7	181.9	312.3	150.2	103.7	85.1	93.7
84.5°	288.1	125.4	89.4	85.1	85.1	147.8	288.1	125.4	89.4	85.1	85.1
85°	224.7	109.3	70.2	73.3	75.7	138.4	224.7	109.3	70.2	73.3	75.7
85.5°	158.3	91.9	70.2	73.3	61.5	114.2	158.3	91.9	70.2	73.3	61.5
86°	145.3	77.0	58.4	60.8	44.7	111.1	145.3	77.0	58.4	60.8	44.7
86.5°	108.6	50.3	50.3	60.8	29.2	86.3	108.6	50.3	50.3	60.8	29.2
87°	92.5	50.3	44.7	45.3	29.2	81.9	92.5	50.3	44.7	45.3	29.2
87.5°	66.4	26.7	30.4	29.2	25.5	62.1	66.4	26.7	30.4	29.2	25.5
88°	55.9	26.7	26.7	27.3	25.5	45.3	55.9	26.7	26.7	27.3	25.5
88.5°	37.2	13.7	14.3	18.0	16.1	45.3	37.2	13.7	14.3	18.0	16.1
89°	37.2	13.7	9.9	18.0	9.9	32.9	37.2	13.7	9.9	18.0	9.9
89.5°	23.6	5.6	9.9	16.8	4.3	32.9	23.6	5.6	9.9	16.8	4.3

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	11.2	1.2	9.9	16.8	1.9	19.2	11.2	1.2	9.9	16.8	1.9
90.5°	11.2	1.2	9.9	12.4	0.6	19.2	11.2	1.2	9.9	12.4	0.6
91°	2.5	1.2	9.9	12.4	0.6	9.3	2.5	1.2	9.9	12.4	0.6
91.5°	2.5	1.2	3.1	6.2	0.6	9.3	2.5	1.2	3.1	6.2	0.6
92°	0.6	0.6	0.6	6.2	0.6	6.2	0.6	0.6	0.6	6.2	0.6
92.5°	0.6	0.6	0.6	1.9	0.6	6.2	0.6	0.6	0.6	1.9	0.6
93°	0.6	0.6	0.6	1.2	0.6	1.2	0.6	0.6	0.6	1.2	0.6
93.5°	0.6	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	1.2	0.6
94°	0.6	0.6	0.6	1.2	0.0	0.6	0.6	0.6	0.6	1.2	0.0
94.5°	0.6	0.6	0.6	1.2	0.0	0.6	0.6	0.6	0.6	1.2	0.0
95°	0.6	0.6	0.6	1.2	0.0	0.6	0.6	0.6	0.6	1.2	0.0
95.5°	0.6	0.6	0.6	1.2	0.0	0.6	0.6	0.6	0.6	1.2	0.0
96°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
96.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
97°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
97.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
98°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
98.5°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
99°	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	0.0
99.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
100°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
100.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
101°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
101.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
102°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
102.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
103°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
103.5°	1.2	0.6	0.6	0.0	0.0	0.6	1.2	0.6	0.6	0.0	0.0
104°	1.2	0.6	0.6	0.6	0.0	0.6	1.2	0.6	0.6	0.6	0.0
104.5°	1.2	0.6	0.6	0.6	0.6	0.6	1.2	0.6	0.6	0.6	0.6
105°	1.9	1.2	1.2	0.6	0.6	0.6	1.9	1.2	1.2	0.6	0.6
105.5°	1.9	1.9	1.2	0.6	0.6	0.6	1.9	1.9	1.2	0.6	0.6
106°	1.9	1.9	0.6	0.6	0.6	1.2	1.9	1.9	0.6	0.6	0.6
106.5°	1.9	1.9	0.6	0.6	0.6	1.2	1.9	1.9	0.6	0.6	0.6
107°	1.9	1.9	1.2	0.6	0.6	1.2	1.9	1.9	1.2	0.6	0.6
107.5°	1.9	1.9	1.2	0.6	1.2	1.2	1.9	1.9	1.2	0.6	1.2
108°	2.5	1.9	1.2	0.6	1.2	1.2	2.5	1.9	1.2	0.6	1.2
108.5°	2.5	1.9	1.2	1.2	1.2	1.9	2.5	1.9	1.2	1.2	1.2
109°	2.5	1.9	1.2	1.2	1.2	1.9	2.5	1.9	1.2	1.2	1.2
109.5°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
110°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
110.5°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
111°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
111.5°	3.1	1.9	1.2	1.2	1.2	1.9	3.1	1.9	1.2	1.2	1.2
112°	3.1	2.5	1.2	1.2	1.2	1.9	3.1	2.5	1.2	1.2	1.2

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	3.1	2.5	1.9	1.2	1.2	2.5	3.1	2.5	1.9	1.2	1.2
113°	3.1	3.1	1.9	1.2	1.2	2.5	3.1	3.1	1.9	1.2	1.2
113.5°	3.1	3.1	1.9	1.2	1.2	2.5	3.1	3.1	1.9	1.2	1.2
114°	3.7	3.1	1.9	2.5	1.9	2.5	3.7	3.1	1.9	2.5	1.9
114.5°	3.7	3.1	2.5	2.5	1.9	2.5	3.7	3.1	2.5	2.5	1.9
115°	4.3	3.1	2.5	2.5	1.9	2.5	4.3	3.1	2.5	2.5	1.9
115.5°	4.3	3.1	2.5	2.5	2.5	2.5	4.3	3.1	2.5	2.5	2.5
116°	4.3	3.1	2.5	2.5	2.5	3.1	4.3	3.1	2.5	2.5	2.5
116.5°	4.3	3.7	2.5	2.5	2.5	3.1	4.3	3.7	2.5	2.5	2.5
117°	4.3	3.7	3.1	2.5	2.5	3.7	4.3	3.7	3.1	2.5	2.5
117.5°	4.3	3.7	3.1	2.5	2.5	3.7	4.3	3.7	3.1	2.5	2.5
118°	5.0	3.7	3.1	2.5	2.5	3.7	5.0	3.7	3.1	2.5	2.5
118.5°	5.0	4.3	3.1	2.5	2.5	3.7	5.0	4.3	3.1	2.5	2.5
119°	5.0	4.3	3.1	2.5	2.5	3.7	5.0	4.3	3.1	2.5	2.5
119.5°	5.6	4.3	3.1	2.5	3.1	3.7	5.6	4.3	3.1	2.5	3.1
120°	5.6	4.3	3.1	3.7	3.1	3.7	5.6	4.3	3.1	3.7	3.1
120.5°	5.6	4.3	3.1	3.7	3.1	3.7	5.6	4.3	3.1	3.7	3.1
121°	5.6	4.3	3.7	3.7	3.1	3.7	5.6	4.3	3.7	3.7	3.1
121.5°	6.2	4.3	3.7	3.7	3.1	4.3	6.2	4.3	3.7	3.7	3.1
122°	6.2	5.6	3.7	3.7	3.7	4.3	6.2	5.6	3.7	3.7	3.7
122.5°	5.6	5.6	4.3	3.7	3.7	5.0	5.6	5.6	4.3	3.7	3.7
123°	5.6	5.6	4.3	3.7	3.7	5.0	5.6	5.6	4.3	3.7	3.7
123.5°	6.2	5.6	4.3	3.7	3.7	5.0	6.2	5.6	4.3	3.7	3.7
124°	6.2	5.6	4.3	3.7	4.3	5.0	6.2	5.6	4.3	3.7	4.3
124.5°	6.2	5.6	4.3	3.7	4.3	5.0	6.2	5.6	4.3	3.7	4.3
125°	6.8	5.6	4.3	3.7	4.3	5.0	6.8	5.6	4.3	3.7	4.3
125.5°	6.8	5.6	4.3	4.3	4.3	5.0	6.8	5.6	4.3	4.3	4.3
126°	6.8	6.2	5.0	4.3	4.3	6.2	6.8	6.2	5.0	4.3	4.3
126.5°	6.8	6.2	5.0	5.0	4.3	6.2	6.8	6.2	5.0	5.0	4.3
127°	6.8	6.2	5.6	5.0	4.3	6.2	6.8	6.2	5.6	5.0	4.3
127.5°	6.8	6.8	5.6	5.0	5.0	6.2	6.8	6.8	5.6	5.0	5.0
128°	7.4	6.8	5.6	5.0	5.0	6.2	7.4	6.8	5.6	5.0	5.0
128.5°	7.4	6.8	5.6	5.0	5.6	6.2	7.4	6.8	5.6	5.0	5.6
129°	7.4	6.8	5.6	5.0	5.6	6.2	7.4	6.8	5.6	5.0	5.6
129.5°	8.1	6.8	5.6	5.0	5.6	6.8	8.1	6.8	5.6	5.0	5.6
130°	8.1	6.8	5.6	5.0	5.6	6.8	8.1	6.8	5.6	5.0	5.6
130.5°	8.1	7.4	5.6	5.0	5.6	6.8	8.1	7.4	5.6	5.0	5.6
131°	8.1	7.4	5.6	6.2	5.6	6.8	8.1	7.4	5.6	6.2	5.6
131.5°	8.1	7.4	5.6	6.2	5.6	7.4	8.1	7.4	5.6	6.2	5.6
132°	8.1	8.1	6.2	6.2	6.2	7.4	8.1	8.1	6.2	6.2	6.2
132.5°	8.7	8.1	6.8	6.2	6.8	7.4	8.7	8.1	6.8	6.2	6.8
133°	8.7	8.1	6.8	6.2	6.2	7.4	8.7	8.1	6.8	6.2	6.2
133.5°	8.7	8.1	6.8	6.2	6.2	7.4	8.7	8.1	6.8	6.2	6.2
134°	8.7	8.1	6.8	6.2	6.8	7.4	8.7	8.1	6.8	6.2	6.8
134.5°	8.7	8.1	6.8	6.2	6.8	7.4	8.7	8.1	6.8	6.2	6.8

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	8.7	8.1	6.8	6.2	6.8	8.1	8.7	8.1	6.8	6.2	6.8
135.5°	9.3	8.1	6.8	6.8	6.8	8.1	9.3	8.1	6.8	6.8	6.8
136°	9.3	8.1	6.8	7.4	6.8	8.1	9.3	8.1	6.8	7.4	6.8
136.5°	9.3	8.1	8.1	7.4	6.8	8.1	9.3	8.1	8.1	7.4	6.8
137°	9.3	8.7	8.1	7.4	6.8	8.7	9.3	8.7	8.1	7.4	6.8
137.5°	9.3	9.3	7.4	7.4	6.8	8.7	9.3	9.3	7.4	7.4	6.8
138°	9.3	9.3	8.1	7.4	7.4	8.7	9.3	9.3	8.1	7.4	7.4
138.5°	9.3	9.3	8.1	7.4	8.1	8.7	9.3	9.3	8.1	7.4	8.1
139°	9.9	9.3	8.1	7.4	8.1	8.7	9.9	9.3	8.1	7.4	8.1
139.5°	9.9	9.3	8.1	7.4	8.1	9.3	9.9	9.3	8.1	7.4	8.1
140°	9.9	9.3	8.1	7.4	8.1	9.3	9.9	9.3	8.1	7.4	8.1
140.5°	9.9	9.9	8.1	8.1	8.1	9.3	9.9	9.9	8.1	8.1	8.1
141°	9.9	9.9	8.1	8.7	8.1	9.3	9.9	9.9	8.1	8.7	8.1
141.5°	10.6	9.9	8.7	8.7	8.1	9.3	10.6	9.9	8.7	8.7	8.1
142°	10.6	9.9	9.3	8.7	8.1	9.3	10.6	9.9	9.3	8.7	8.1
142.5°	10.6	9.9	9.3	8.7	8.7	9.9	10.6	9.9	9.3	8.7	8.7
143°	10.6	10.6	9.3	8.7	9.3	9.9	10.6	10.6	9.3	8.7	9.3
143.5°	10.6	10.6	9.3	8.7	9.3	9.9	10.6	10.6	9.3	8.7	9.3
144°	10.6	10.6	9.3	8.7	9.3	9.9	10.6	10.6	9.3	8.7	9.3
144.5°	11.2	10.6	9.3	8.7	9.3	9.9	11.2	10.6	9.3	8.7	9.3
145°	11.2	11.2	9.3	9.3	9.3	10.6	11.2	11.2	9.3	9.3	9.3
145.5°	11.2	11.2	9.3	9.9	9.3	10.6	11.2	11.2	9.3	9.9	9.3
146°	11.8	11.2	9.9	9.9	9.3	10.6	11.8	11.2	9.9	9.9	9.3
146.5°	11.2	11.2	9.9	9.9	9.3	10.6	11.2	11.2	9.9	9.9	9.3
147°	11.2	11.2	9.9	9.9	9.9	10.6	11.2	11.2	9.9	9.9	9.9
147.5°	11.8	11.2	10.6	9.9	9.9	10.6	11.8	11.2	10.6	9.9	9.9
148°	11.8	11.2	10.6	9.9	9.9	10.6	11.8	11.2	10.6	9.9	9.9
148.5°	11.8	11.2	10.6	9.9	9.9	10.6	11.8	11.2	10.6	9.9	9.9
149°	11.8	11.2	10.6	9.9	9.9	11.2	11.8	11.2	10.6	9.9	9.9
149.5°	11.8	11.2	10.6	9.9	10.6	11.2	11.8	11.2	10.6	9.9	10.6
150°	11.8	11.2	10.6	10.6	10.6	11.8	11.8	11.2	10.6	10.6	10.6
150.5°	11.8	11.8	10.6	11.2	10.6	11.8	11.8	11.8	10.6	11.2	10.6
151°	12.4	11.8	10.6	11.2	10.6	11.8	12.4	11.8	10.6	11.2	10.6
151.5°	12.4	11.8	11.2	11.2	10.6	11.8	12.4	11.8	11.2	11.2	10.6
152°	12.4	11.8	11.2	11.2	10.6	11.8	12.4	11.8	11.2	11.2	10.6
152.5°	12.4	12.4	11.2	11.2	11.2	11.8	12.4	12.4	11.2	11.2	11.2
153°	13.0	12.4	11.8	11.2	11.2	11.8	13.0	12.4	11.8	11.2	11.2
153.5°	13.0	12.4	11.8	11.2	11.2	11.8	13.0	12.4	11.8	11.2	11.2
154°	13.0	12.4	11.8	11.2	11.2	11.8	13.0	12.4	11.8	11.2	11.2
154.5°	13.0	12.4	11.8	12.4	11.2	12.4	13.0	12.4	11.8	12.4	11.2
155°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8
155.5°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8
156°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8
156.5°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8
157°	13.0	12.4	11.8	12.4	11.8	12.4	13.0	12.4	11.8	12.4	11.8

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	13.0	13.0	12.4	12.4	11.8	12.4	13.0	13.0	12.4	12.4	11.8
158°	13.0	13.0	12.4	12.4	11.8	12.4	13.0	13.0	12.4	12.4	11.8
158.5°	13.0	13.0	12.4	12.4	11.8	12.4	13.0	13.0	12.4	12.4	11.8
159°	13.0	13.0	13.0	12.4	11.8	12.4	13.0	13.0	13.0	12.4	11.8
159.5°	13.0	13.7	13.0	12.4	11.8	13.0	13.0	13.7	13.0	12.4	11.8
160°	13.0	13.7	13.0	13.0	11.8	13.0	13.0	13.7	13.0	13.0	11.8
160.5°	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0
161°	13.0	13.7	13.0	13.0	13.0	13.7	13.0	13.7	13.0	13.0	13.0
161.5°	13.0	13.7	13.0	13.0	13.0	13.7	13.0	13.7	13.0	13.0	13.0
162°	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0
162.5°	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0	13.7	13.0
163°	13.7	13.7	13.0	13.7	13.0	13.7	13.7	13.7	13.0	13.7	13.0
163.5°	13.7	13.7	13.7	13.7	13.0	13.7	13.7	13.7	13.7	13.7	13.0
164°	13.7	13.7	13.7	13.7	13.0	13.7	13.7	13.7	13.7	13.7	13.0
164.5°	13.7	13.7	14.3	13.7	13.0	13.7	13.7	13.7	14.3	13.7	13.0
165°	13.7	13.7	14.3	14.3	13.7	13.7	13.7	13.7	14.3	14.3	13.7
165.5°	14.3	13.7	14.3	14.3	13.7	13.7	14.3	13.7	14.3	14.3	13.7
166°	14.3	13.7	14.3	14.3	13.7	13.7	14.3	13.7	14.3	14.3	13.7
166.5°	14.3	13.7	14.3	14.3	13.7	13.7	14.3	13.7	14.3	14.3	13.7
167°	14.3	14.3	14.3	14.3	13.7	13.7	14.3	14.3	14.3	14.3	13.7
167.5°	14.3	14.3	14.3	14.3	13.7	13.7	14.3	14.3	14.3	14.3	13.7
168°	14.3	14.3	14.3	14.3	13.7	13.7	14.3	14.3	14.3	14.3	13.7
168.5°	14.3	14.3	14.3	14.3	13.7	13.7	14.3	14.3	14.3	14.3	13.7
169°	14.3	14.3	14.3	14.3	14.3	13.7	14.3	14.3	14.3	14.3	14.3
169.5°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
170°	14.3	14.3	14.3	14.9	14.3	14.3	14.3	14.3	14.3	14.9	14.3
170.5°	14.3	14.9	14.9	14.9	14.3	13.7	14.3	14.9	14.9	14.9	14.3
171°	14.3	14.9	14.9	14.9	14.3	13.7	14.3	14.9	14.9	14.9	14.3
171.5°	14.3	14.9	14.3	14.9	14.3	14.3	14.3	14.9	14.3	14.9	14.3
172°	14.3	14.9	14.3	14.9	14.3	14.9	14.3	14.9	14.3	14.9	14.3
172.5°	14.3	14.9	14.9	14.9	14.3	14.9	14.3	14.9	14.9	14.9	14.3
173°	14.3	14.9	14.9	14.9	14.3	14.9	14.3	14.9	14.9	14.9	14.3
173.5°	14.3	14.9	14.3	14.9	14.3	14.3	14.3	14.9	14.3	14.9	14.3
174°	14.3	14.9	14.9	14.9	14.9	14.3	14.3	14.9	14.9	14.9	14.9
174.5°	14.3	14.9	14.9	14.9	14.9	14.3	14.3	14.9	14.9	14.9	14.9
175°	14.3	14.3	14.9	14.9	14.9	14.9	14.3	14.3	14.9	14.9	14.9
175.5°	14.3	14.3	14.9	14.9	14.9	14.9	14.3	14.3	14.9	14.9	14.9
176°	14.3	14.9	14.9	14.9	14.9	14.9	14.3	14.9	14.9	14.9	14.9
176.5°	14.3	14.9	14.9	14.9	14.9	14.9	14.3	14.9	14.9	14.9	14.9
177°	14.3	14.9	14.9	14.9	14.9	14.9	14.3	14.9	14.9	14.9	14.9
177.5°	14.3	14.9	14.9	15.5	14.9	14.9	14.3	14.9	14.9	15.5	14.9
178°	14.3	14.9	14.9	16.1	14.9	14.9	14.3	14.9	14.9	16.1	14.9
178.5°	14.9	14.9	14.9	15.5	14.9	14.9	14.9	14.9	14.9	15.5	14.9
179°	14.9	14.9	14.9	15.5	14.9	14.9	14.9	14.9	14.9	15.5	14.9
179.5°	14.3	14.9	14.9	16.1	14.9	14.9	14.3	14.9	14.9	16.1	14.9

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

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

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	24275.5	24275.5
0.5°	24275.5	24275.5
1°	*24259.5*	*24259.5*
1.5°	24259.5	24251.4
2°	24257.0	24267.5
2.5°	24247.0	24253.9
3°	24231.5	24231.5
3.5°	24231.5	24237.7
4°	24213.5	24238.3
4.5°	24213.5	24235.2
5°	24180.6	24212.3
5.5°	24147.7	24195.5
6°	24147.7	24185.0
6.5°	24114.2	24191.8
7°	24114.2	24180.0
7.5°	24066.4	24153.3
8°	24066.4	24121.6
8.5°	24025.4	24113.6
9°	24025.4	24093.7
9.5°	23954.0	24057.1
10°	23954.0	24037.8
10.5°	23896.9	24018.0
11°	23826.1	24010.5
11.5°	23826.1	23980.7
12°	23753.5	23944.7
12.5°	23753.5	23907.5
13°	23680.2	23898.8
13.5°	23680.2	23839.8
14°	23581.5	23791.4
14.5°	23581.5	23769.0
15°	23484.1	23741.7
15.5°	23423.8	23716.2
16°	23382.9	23670.9
16.5°	23273.0	23627.5
17°	23273.0	23583.4
17.5°	23166.8	23566.6
18°	23166.8	23477.8
18.5°	23038.9	23421.4
19°	23038.9	23392.8
19.5°	22919.1	23356.2
20°	22919.1	23314.6
20.5°	22768.3	23253.7
21°	22623.6	23204.1
21.5°	22623.6	23155.6
22°	22472.1	23123.4

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	22472.1	23072.5
23°	22296.4	23009.8
23.5°	22296.4	22907.3
24°	22126.3	22858.9
24.5°	22126.3	22800.5
25°	21924.6	22727.3
25.5°	21924.6	22672.7
26°	21731.5	22614.9
26.5°	21640.9	22567.1
27°	21519.8	22500.7
27.5°	21296.3	22427.4
28°	21296.3	22351.7
28.5°	21061.7	22307.0
29°	21061.7	22169.8
29.5°	20790.4	22169.8
30°	20790.4	22023.9
30.5°	20520.9	21954.4
31°	20344.6	21891.1
31.5°	20219.8	21721.6
32°	19906.9	21721.6
32.5°	19906.9	21637.2
33°	19552.5	21637.2
33.5°	19552.5	21400.0
34°	19170.7	21298.8
34.5°	19170.7	21228.0
35°	18771.5	21141.1
35.5°	18771.5	21053.0
36°	18309.0	20943.7
36.5°	17824.1	20848.1
37°	17824.1	20748.1
37.5°	17279.7	20668.1
38°	17279.7	20560.0
38.5°	16718.5	20448.9
39°	16718.5	20240.3
39.5°	16139.9	20125.5
40°	16139.9	20018.1
40.5°	15535.2	19877.8
41°	15535.2	19771.0
41.5°	14934.2	19639.4
42°	14356.9	19533.2
42.5°	14356.9	19386.7
43°	13788.8	19250.7
43.5°	13788.8	18977.6
44°	13246.3	18977.6
44.5°	13246.3	18672.8

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	12713.0	18490.3
45.5°	12713.0	18352.4
46°	12212.6	18173.0
46.5°	12022.0	18024.0
47°	11712.9	17820.4
47.5°	11238.5	17646.6
48°	11238.5	17434.9
48.5°	10818.3	17275.9
49°	10818.3	16861.9
49.5°	10445.2	16623.5
50°	10445.2	16435.4
50.5°	10097.5	16197.0
51°	10097.5	15984.7
51.5°	9743.0	15725.2
52°	9413.4	15503.5
52.5°	9413.4	15244.0
53°	9118.5	15023.6
53.5°	9118.5	14753.0
54°	8880.1	14498.4
54.5°	8880.1	13974.5
55°	8664.7	13697.6
55.5°	8664.7	13431.3
56°	8389.0	13142.0
56.5°	8248.7	12871.3
57°	8097.9	12588.8
57.5°	7802.4	12320.6
58°	7802.4	12032.0
58.5°	7576.4	11742.0
59°	7576.4	11178.3
59.5°	7306.3	10897.7
60°	7306.3	10602.8
60.5°	7000.9	10320.4
61°	7000.9	10037.3
61.5°	6760.0	9769.7
62°	6512.9	9482.9
62.5°	6512.9	9215.9
63°	6187.0	8924.8
63.5°	6187.0	8665.3
64°	5874.7	8392.8
64.5°	5874.7	7856.4
65°	5547.0	7601.8
65.5°	5547.0	7338.0
66°	5237.2	7094.6
66.5°	5237.2	6832.0
67°	4904.4	6588.1

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	4530.1	6327.9
68°	4530.1	6093.3
68.5°	4107.3	5841.2
69°	4107.3	5610.9
69.5°	3726.1	5352.0
70°	3726.1	4879.6
70.5°	3410.7	4662.3
71°	3410.7	4417.7
71.5°	3079.8	4207.9
72°	2756.4	3976.3
72.5°	2756.4	3779.5
73°	2626.7	3554.8
73.5°	2311.9	3362.9
74°	2187.1	3140.7
74.5°	1975.4	2757.0
75°	1846.3	2590.6
75.5°	1640.2	2389.5
76°	1535.9	2233.7
76.5°	1351.5	2043.1
77°	1283.2	1904.0
77.5°	1075.2	1725.9
78°	936.8	1599.8
78.5°	903.9	1431.6
79°	767.3	1324.2
79.5°	743.7	1168.4
80°	614.6	936.2
80.5°	465.6	862.3
81°	465.6	735.7
81.5°	447.6	677.3
82°	343.3	564.3
82.5°	327.2	518.4
83°	242.7	423.4
83.5°	192.5	389.9
84°	181.9	312.3
84.5°	147.8	288.1
85°	138.4	224.7
85.5°	114.2	158.3
86°	111.1	145.3
86.5°	86.3	108.6
87°	81.9	92.5
87.5°	62.1	66.4
88°	45.3	55.9
88.5°	45.3	37.2
89°	32.9	37.2
89.5°	32.9	23.6

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	19.2	11.2
90.5°	19.2	11.2
91°	9.3	2.5
91.5°	9.3	2.5
92°	6.2	0.6
92.5°	6.2	0.6
93°	1.2	0.6
93.5°	0.6	0.6
94°	0.6	0.6
94.5°	0.6	0.6
95°	0.6	0.6
95.5°	0.6	0.6
96°	0.6	0.6
96.5°	0.6	0.6
97°	0.6	0.6
97.5°	0.6	0.6
98°	0.6	0.6
98.5°	0.6	0.6
99°	0.6	0.6
99.5°	0.6	1.2
100°	0.6	1.2
100.5°	0.6	1.2
101°	0.6	1.2
101.5°	0.6	1.2
102°	0.6	1.2
102.5°	0.6	1.2
103°	0.6	1.2
103.5°	0.6	1.2
104°	0.6	1.2
104.5°	0.6	1.2
105°	0.6	1.9
105.5°	0.6	1.9
106°	1.2	1.9
106.5°	1.2	1.9
107°	1.2	1.9
107.5°	1.2	1.9
108°	1.2	2.5
108.5°	1.9	2.5
109°	1.9	2.5
109.5°	1.9	3.1
110°	1.9	3.1
110.5°	1.9	3.1
111°	1.9	3.1
111.5°	1.9	3.1
112°	1.9	3.1

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
112.5°	2.5	3.1
113°	2.5	3.1
113.5°	2.5	3.1
114°	2.5	3.7
114.5°	2.5	3.7
115°	2.5	4.3
115.5°	2.5	4.3
116°	3.1	4.3
116.5°	3.1	4.3
117°	3.7	4.3
117.5°	3.7	4.3
118°	3.7	5.0
118.5°	3.7	5.0
119°	3.7	5.0
119.5°	3.7	5.6
120°	3.7	5.6
120.5°	3.7	5.6
121°	3.7	5.6
121.5°	4.3	6.2
122°	4.3	6.2
122.5°	5.0	5.6
123°	5.0	5.6
123.5°	5.0	6.2
124°	5.0	6.2
124.5°	5.0	6.2
125°	5.0	6.8
125.5°	5.0	6.8
126°	6.2	6.8
126.5°	6.2	6.8
127°	6.2	6.8
127.5°	6.2	6.8
128°	6.2	7.4
128.5°	6.2	7.4
129°	6.2	7.4
129.5°	6.8	8.1
130°	6.8	8.1
130.5°	6.8	8.1
131°	6.8	8.1
131.5°	7.4	8.1
132°	7.4	8.1
132.5°	7.4	8.7
133°	7.4	8.7
133.5°	7.4	8.7
134°	7.4	8.7
134.5°	7.4	8.7

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	15.0	15.0

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

Scaled Data Report

TEST NUMBER: P1594649
CATALOG NUMBER: FLXB-4860-M-MED-3500K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	28.0	29.5	28.4	29.8	30.2	25.9	27.4	26.3	27.7	28.1
	3H	29.5	30.8	29.9	31.2	31.5	26.3	27.7	26.7	28.0	28.4
	4H	29.8	31.1	30.2	31.4	31.8	26.3	27.6	26.7	27.9	28.3
	6H	29.9	31.1	30.3	31.4	31.8	26.3	27.4	26.7	27.8	28.2
	8H	29.9	31.0	30.3	31.4	31.8	26.2	27.3	26.7	27.7	28.1
	12H	29.9	30.9	30.3	31.3	31.7	26.2	27.3	26.6	27.7	28.1
4H	2H	28.2	29.5	28.6	29.9	30.2	26.4	27.7	26.8	28.1	28.4
	3H	29.8	30.9	30.2	31.3	31.7	26.9	27.9	27.3	28.3	28.7
	4H	30.2	31.1	30.6	31.5	32.0	26.9	27.8	27.3	28.2	28.7
	6H	30.3	31.1	30.8	31.6	32.1	26.9	27.7	27.3	28.1	28.6
	8H	30.3	31.1	30.8	31.5	32.0	26.8	27.6	27.3	28.0	28.5
	12H	30.3	31.0	30.8	31.5	31.9	26.8	27.5	27.3	28.0	28.4
8H	4H	30.2	30.9	30.6	31.3	31.8	27.0	27.8	27.5	28.2	28.7
	6H	30.3	30.9	30.8	31.4	31.9	27.0	27.6	27.5	28.1	28.6
	8H	30.3	30.8	30.8	31.4	31.8	26.9	27.5	27.5	28.0	28.5
	12H	30.3	30.8	30.8	31.3	31.8	26.9	27.4	27.4	27.9	28.5
12H	4H	30.1	30.8	30.6	31.3	31.7	27.0	27.7	27.5	28.1	28.6
	6H	30.3	30.8	30.8	31.3	31.8	27.0	27.5	27.5	28.0	28.5
	8H	30.3	30.7	30.8	31.2	31.8	26.9	27.4	27.4	27.9	28.5

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

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP3-2602-684-2

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-3500K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

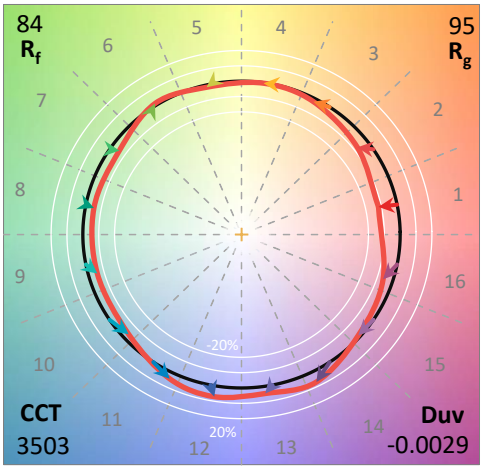
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-2
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-3500K**
Description:	LDS HLBX 2436 W beam, HI lumen, 3500K CCT settings

Spectral Parameters

CCT (K):	3503	CRI (Ra):	83.9		
CIE u':	0.2370	R1:	83.4	R9:	12.0
CIE v':	0.5073	R2:	92.6	R10:	81.6
Duv:	-0.0029	R3:	95.6	R11:	80.4
CIE x:	0.4021	R4:	81.3	R12:	66.4
CIE y:	0.3825	R5:	83.2	R13:	86.1
CIE z:	0.2155	R6:	89.3	R14:	98.5
Peak Wavelength (nm):	599	R7:	83.4	R15:	77.2
Dominant Wavelength (nm):	582	R8:	62.5		
Purity:	35.45926				

Rf:	83.9
Rg:	95.1



Test Conditions

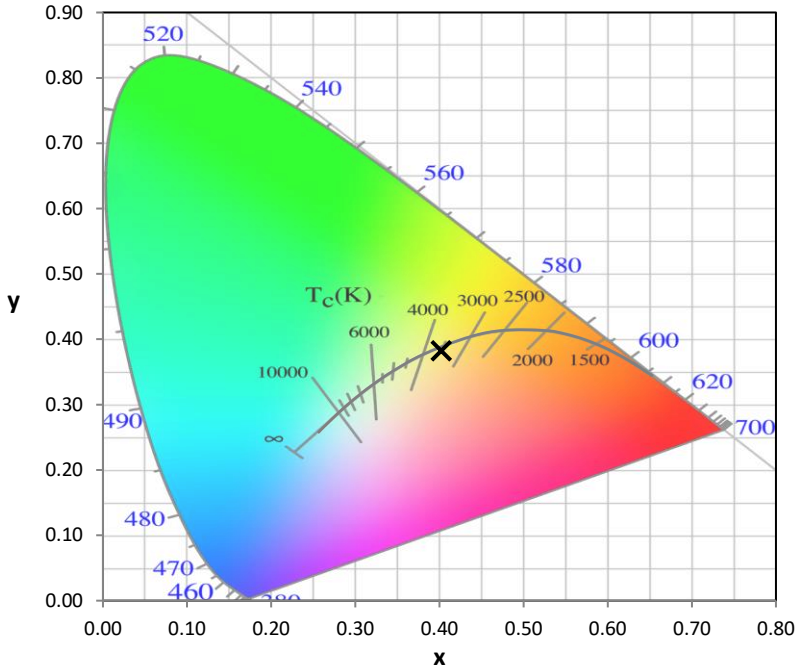
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-2

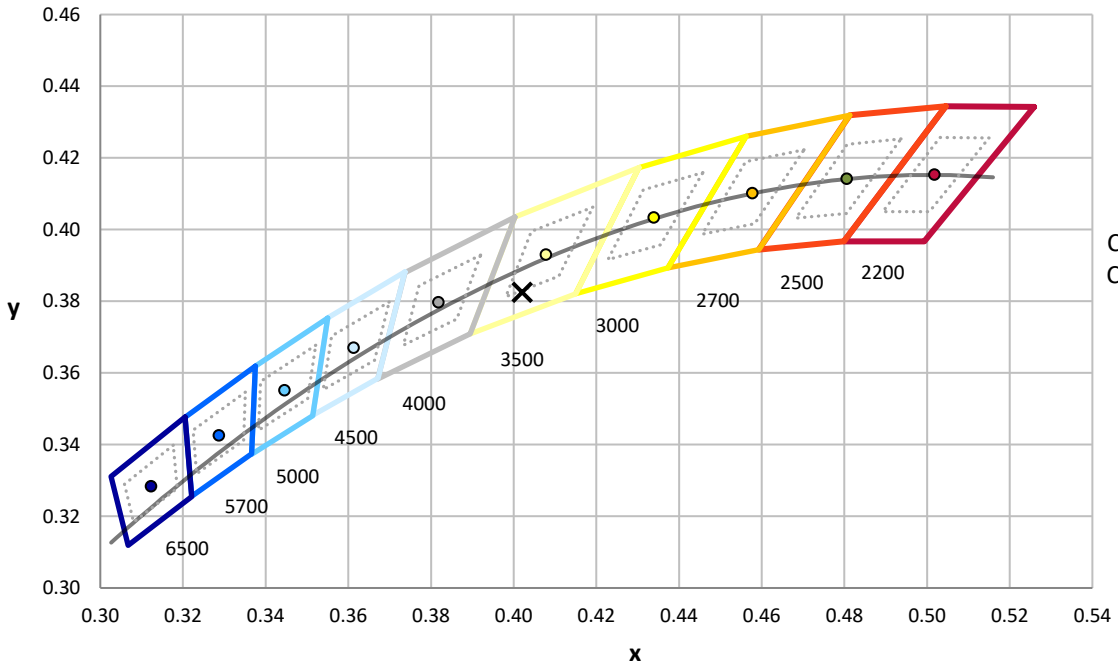
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-2

CIE 1931 Chromaticity Diagram



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

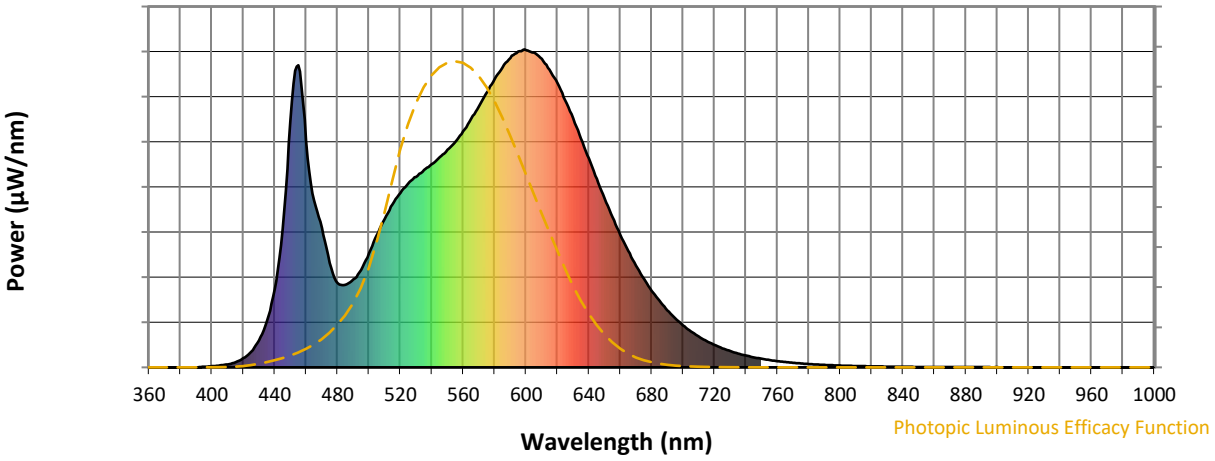


CCT = 3503K
CIE x = 0.4021
CIE y = 0.3825
Duv = -0.0029

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-2

Photopic Flux vs. Wavelength

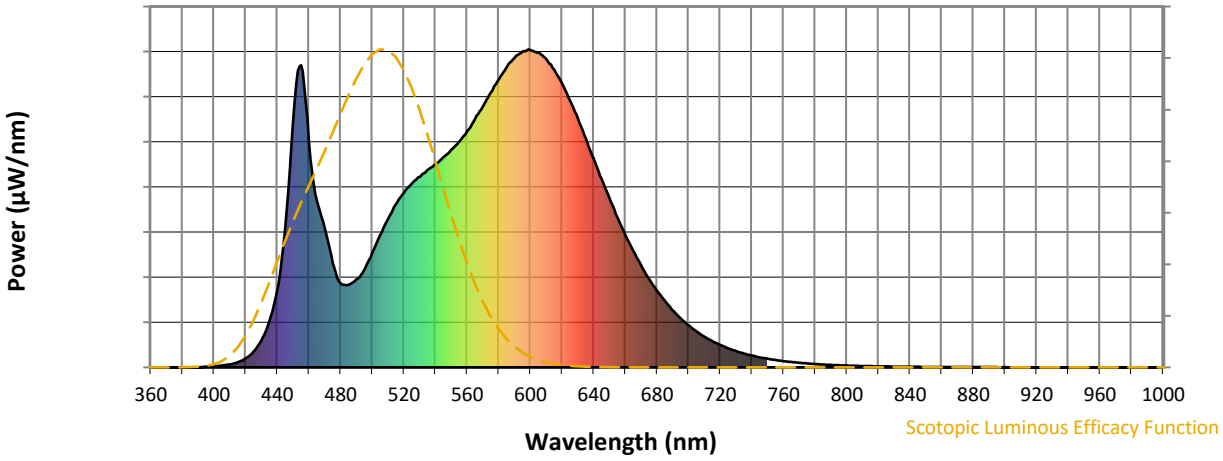


Photopic Lumens: NR

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	277	NR	620	894	NR	750	27	NR	880	1	NR
365	0	NR	495	306	NR	625	839	NR	755	23	NR	885	1	NR
370	0	NR	500	359	NR	630	783	NR	760	20	NR	890	1	NR
375	0	NR	505	416	NR	635	720	NR	765	17	NR	895	1	NR
380	0	NR	510	467	NR	640	657	NR	770	14	NR	900	1	NR
385	0	NR	515	513	NR	645	593	NR	775	12	NR	905	0	NR
390	0	NR	520	549	NR	650	531	NR	780	11	NR	910	0	NR
395	2	NR	525	577	NR	655	472	NR	785	9	NR	915	0	NR
400	4	NR	530	599	NR	660	417	NR	790	8	NR	920	0	NR
405	6	NR	535	621	NR	665	367	NR	795	7	NR	925	0	NR
410	9	NR	540	639	NR	670	320	NR	800	6	NR	930	0	NR
415	16	NR	545	661	NR	675	279	NR	805	5	NR	935	0	NR
420	29	NR	550	684	NR	680	241	NR	810	4	NR	940	0	NR
425	50	NR	555	710	NR	685	210	NR	815	4	NR	945	0	NR
430	84	NR	560	742	NR	690	180	NR	820	3	NR	950	0	NR
435	146	NR	565	782	NR	695	154	NR	825	3	NR	955	0	NR
440	245	NR	570	820	NR	700	132	NR	830	2	NR	960	0	NR
445	435	NR	575	864	NR	705	113	NR	835	2	NR	965	0	NR
450	775	NR	580	906	NR	710	96	NR	840	2	NR	970	0	NR
455	950	NR	585	943	NR	715	82	NR	845	2	NR	975	0	NR
460	714	NR	590	973	NR	720	71	NR	850	1	NR	980	0	NR
465	526	NR	595	993	NR	725	60	NR	855	1	NR	985	0	NR
470	438	NR	600	997	NR	730	51	NR	860	1	NR	990	0	NR
475	328	NR	605	990	NR	735	44	NR	865	1	NR	995	0	NR
480	265	NR	610	970	NR	740	37	NR	870	1	NR	1000	0	NR
485	260	NR	615	936	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-2

Scotopic Flux vs. Wavelength

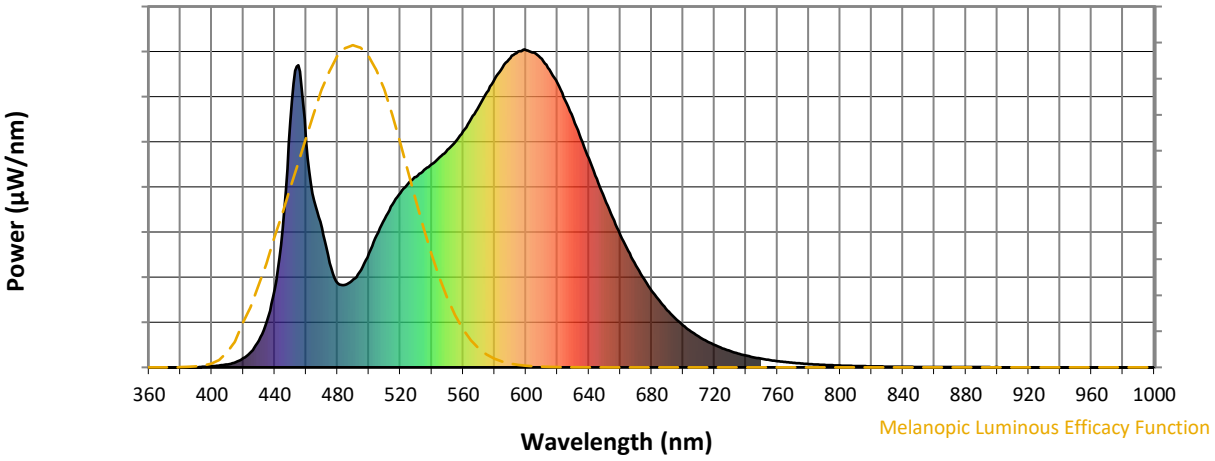


Scotopic Lumens: NR **S/P: 1.56**

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	277	NR	620	894	NR	750	27	NR	880	1	NR
365	0	NR	495	306	NR	625	839	NR	755	23	NR	885	1	NR
370	0	NR	500	359	NR	630	783	NR	760	20	NR	890	1	NR
375	0	NR	505	416	NR	635	720	NR	765	17	NR	895	1	NR
380	0	NR	510	467	NR	640	657	NR	770	14	NR	900	1	NR
385	0	NR	515	513	NR	645	593	NR	775	12	NR	905	0	NR
390	0	NR	520	549	NR	650	531	NR	780	11	NR	910	0	NR
395	2	NR	525	577	NR	655	472	NR	785	9	NR	915	0	NR
400	4	NR	530	599	NR	660	417	NR	790	8	NR	920	0	NR
405	6	NR	535	621	NR	665	367	NR	795	7	NR	925	0	NR
410	9	NR	540	639	NR	670	320	NR	800	6	NR	930	0	NR
415	16	NR	545	661	NR	675	279	NR	805	5	NR	935	0	NR
420	29	NR	550	684	NR	680	241	NR	810	4	NR	940	0	NR
425	50	NR	555	710	NR	685	210	NR	815	4	NR	945	0	NR
430	84	NR	560	742	NR	690	180	NR	820	3	NR	950	0	NR
435	146	NR	565	782	NR	695	154	NR	825	3	NR	955	0	NR
440	245	NR	570	820	NR	700	132	NR	830	2	NR	960	0	NR
445	435	NR	575	864	NR	705	113	NR	835	2	NR	965	0	NR
450	775	NR	580	906	NR	710	96	NR	840	2	NR	970	0	NR
455	950	NR	585	943	NR	715	82	NR	845	2	NR	975	0	NR
460	714	NR	590	973	NR	720	71	NR	850	1	NR	980	0	NR
465	526	NR	595	993	NR	725	60	NR	855	1	NR	985	0	NR
470	438	NR	600	997	NR	730	51	NR	860	1	NR	990	0	NR
475	328	NR	605	990	NR	735	44	NR	865	1	NR	995	0	NR
480	265	NR	610	970	NR	740	37	NR	870	1	NR	1000	0	NR
485	260	NR	615	936	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.19**

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	277	NR	620	894	NR	750	27	NR	880	1	NR
365	0	NR	495	306	NR	625	839	NR	755	23	NR	885	1	NR
370	0	NR	500	359	NR	630	783	NR	760	20	NR	890	1	NR
375	0	NR	505	416	NR	635	720	NR	765	17	NR	895	1	NR
380	0	NR	510	467	NR	640	657	NR	770	14	NR	900	1	NR
385	0	NR	515	513	NR	645	593	NR	775	12	NR	905	0	NR
390	0	NR	520	549	NR	650	531	NR	780	11	NR	910	0	NR
395	2	NR	525	577	NR	655	472	NR	785	9	NR	915	0	NR
400	4	NR	530	599	NR	660	417	NR	790	8	NR	920	0	NR
405	6	NR	535	621	NR	665	367	NR	795	7	NR	925	0	NR
410	9	NR	540	639	NR	670	320	NR	800	6	NR	930	0	NR
415	16	NR	545	661	NR	675	279	NR	805	5	NR	935	0	NR
420	29	NR	550	684	NR	680	241	NR	810	4	NR	940	0	NR
425	50	NR	555	710	NR	685	210	NR	815	4	NR	945	0	NR
430	84	NR	560	742	NR	690	180	NR	820	3	NR	950	0	NR
435	146	NR	565	782	NR	695	154	NR	825	3	NR	955	0	NR
440	245	NR	570	820	NR	700	132	NR	830	2	NR	960	0	NR
445	435	NR	575	864	NR	705	113	NR	835	2	NR	965	0	NR
450	775	NR	580	906	NR	710	96	NR	840	2	NR	970	0	NR
455	950	NR	585	943	NR	715	82	NR	845	2	NR	975	0	NR
460	714	NR	590	973	NR	720	71	NR	850	1	NR	980	0	NR
465	526	NR	595	993	NR	725	60	NR	855	1	NR	985	0	NR
470	438	NR	600	997	NR	730	51	NR	860	1	NR	990	0	NR
475	328	NR	605	990	NR	735	44	NR	865	1	NR	995	0	NR
480	265	NR	610	970	NR	740	37	NR	870	1	NR	1000	0	NR
485	260	NR	615	936	NR	745	32	NR	875	1	NR			

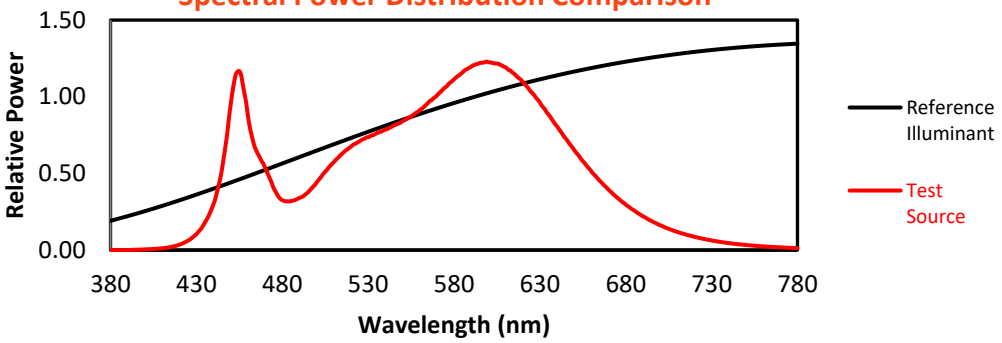
REPORT NUMBER: SP3-2602-684-2

TM-30-18

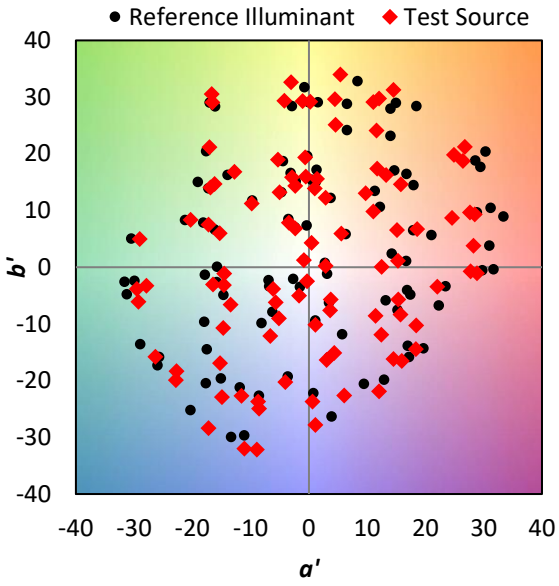
Summary

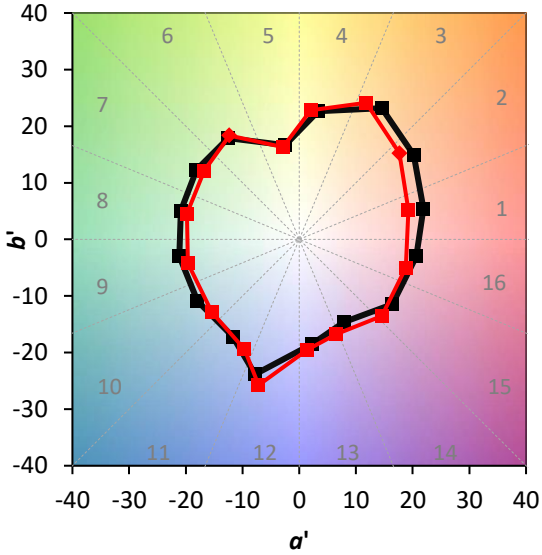
R_f = 83.9
R_g = 95.1
CIE R_a = 83.9
R_9 = 12.0

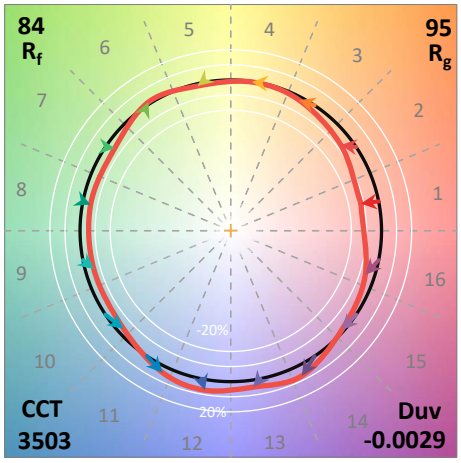
Spectral Power Distribution Comparison

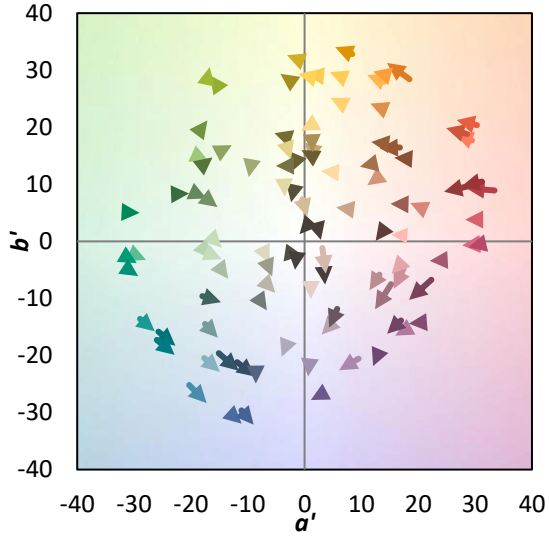


Color Vector Graphics







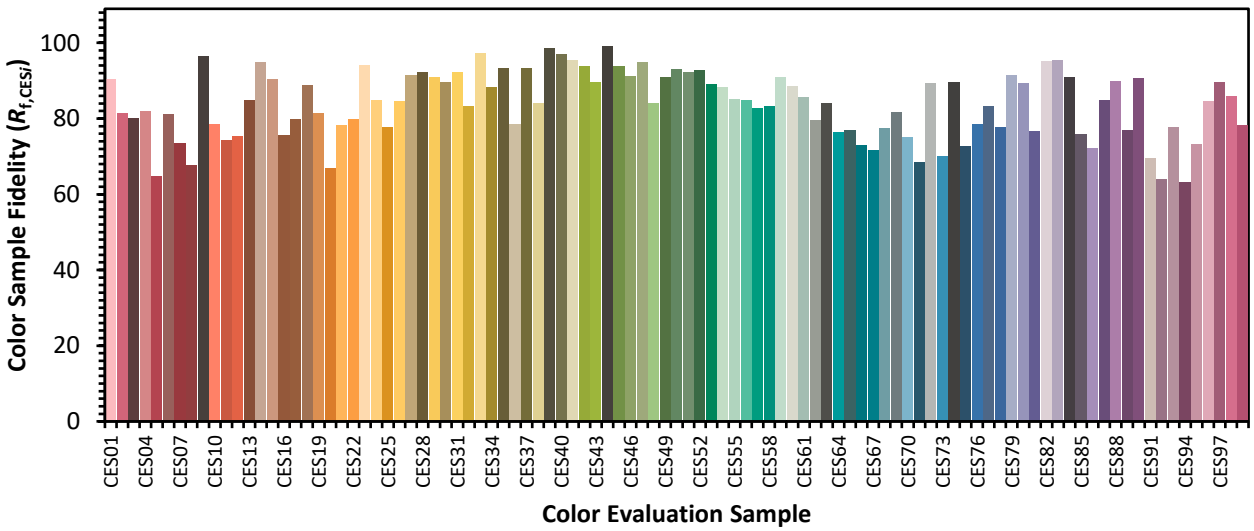


REPORT NUMBER: SP3-2602-684-2

TM-30-18

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

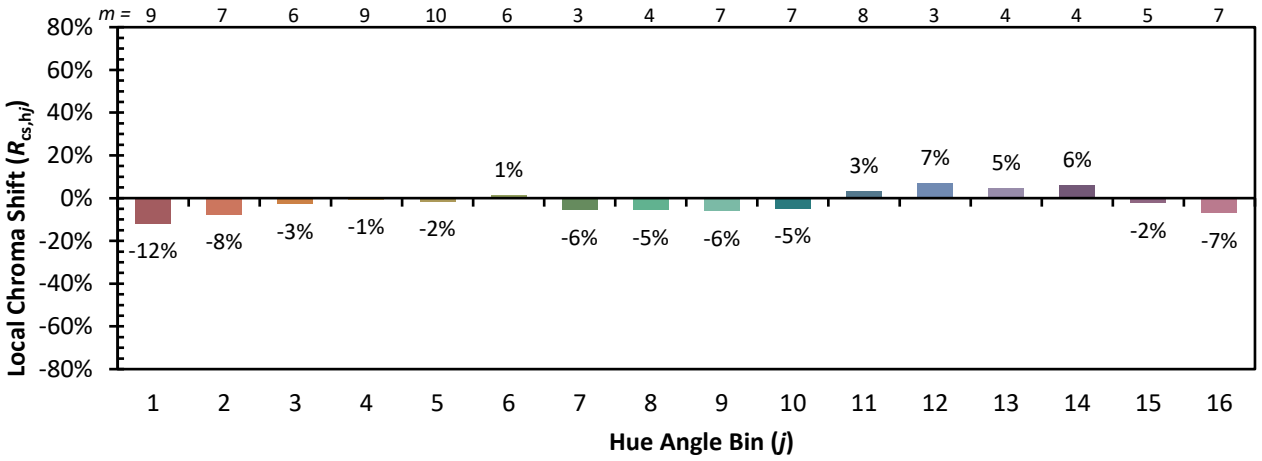
CES01 = 86	CES26 = 84	CES51 = 92	CES76 = 78
CES02 = 62	CES27 = 92	CES52 = 93	CES77 = 83
CES03 = 31	CES28 = 92	CES53 = 89	CES78 = 78
CES04 = 70	CES29 = 91	CES54 = 88	CES79 = 91
CES05 = 49	CES30 = 90	CES55 = 85	CES80 = 89
CES06 = 51	CES31 = 92	CES56 = 85	CES81 = 77
CES07 = 41	CES32 = 83	CES57 = 83	CES82 = 95
CES08 = 40	CES33 = 97	CES58 = 83	CES83 = 95
CES09 = 29	CES34 = 88	CES59 = 91	CES84 = 91
CES10 = 75	CES35 = 93	CES60 = 89	CES85 = 76
CES11 = 58	CES36 = 79	CES61 = 86	CES86 = 72
CES12 = 64	CES37 = 93	CES62 = 80	CES87 = 85
CES13 = 43	CES38 = 84	CES63 = 84	CES88 = 90
CES14 = 74	CES39 = 98	CES64 = 76	CES89 = 77
CES15 = 71	CES40 = 97	CES65 = 77	CES90 = 91
CES16 = 47	CES41 = 95	CES66 = 73	CES91 = 70
CES17 = 50	CES42 = 94	CES67 = 72	CES92 = 64
CES18 = 56	CES43 = 90	CES68 = 77	CES93 = 78
CES19 = 72	CES44 = 99	CES69 = 82	CES94 = 63
CES20 = 66	CES45 = 94	CES70 = 75	CES95 = 73
CES21 = 86	CES46 = 91	CES71 = 68	CES96 = 85
CES22 = 78	CES47 = 95	CES72 = 89	CES97 = 90
CES23 = 92	CES48 = 84	CES73 = 70	CES98 = 86
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 78
CES25 = 72	CES50 = 93	CES75 = 73	

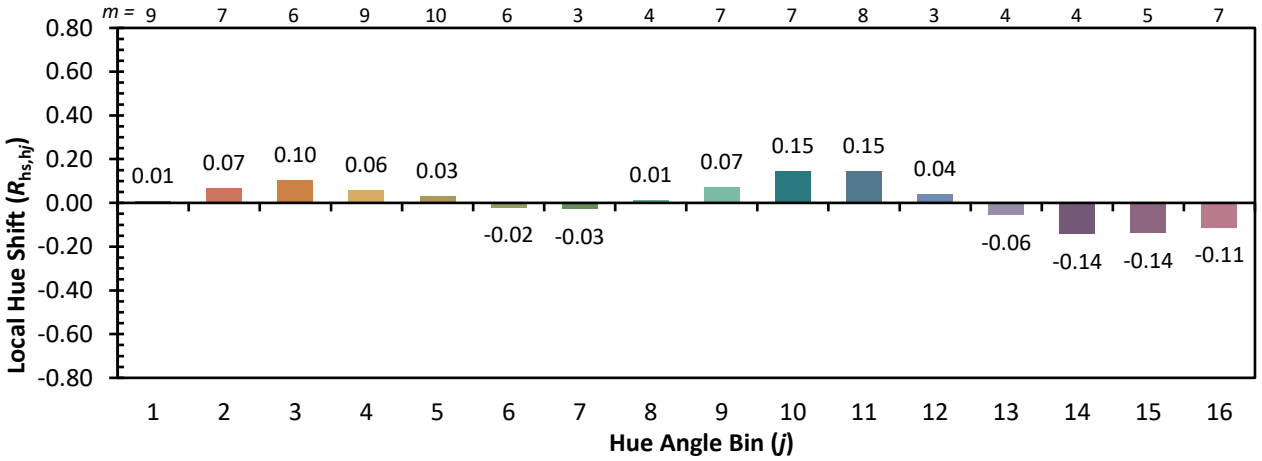


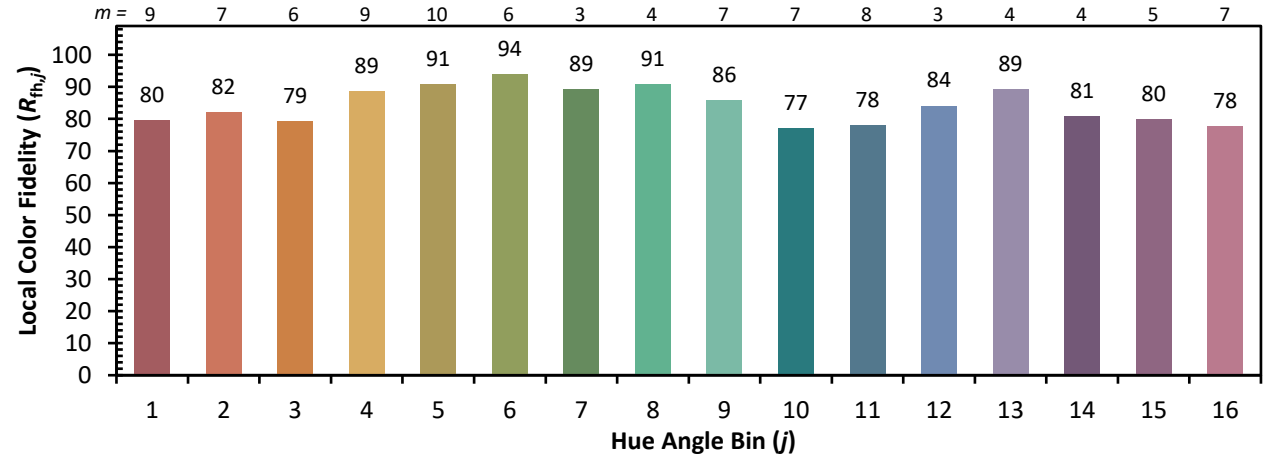
REPORT NUMBER: SP3-2602-684-2

TM-30-18

Color Rendition by Hue-Angle Bin



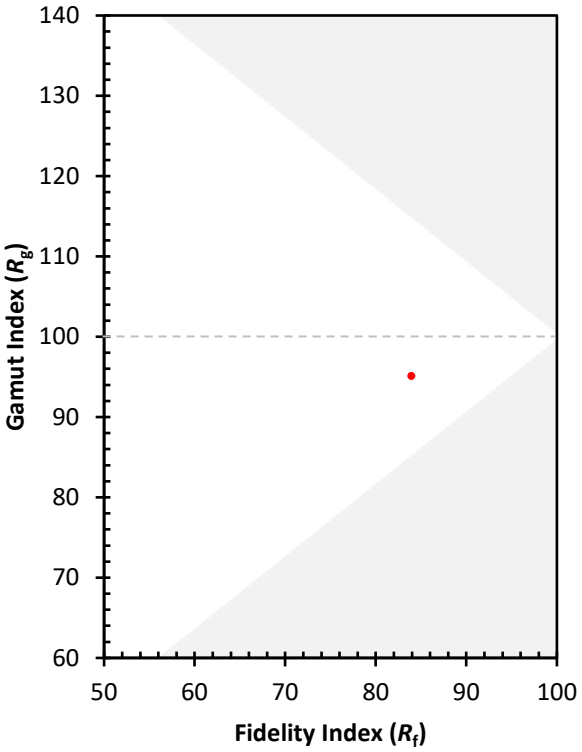


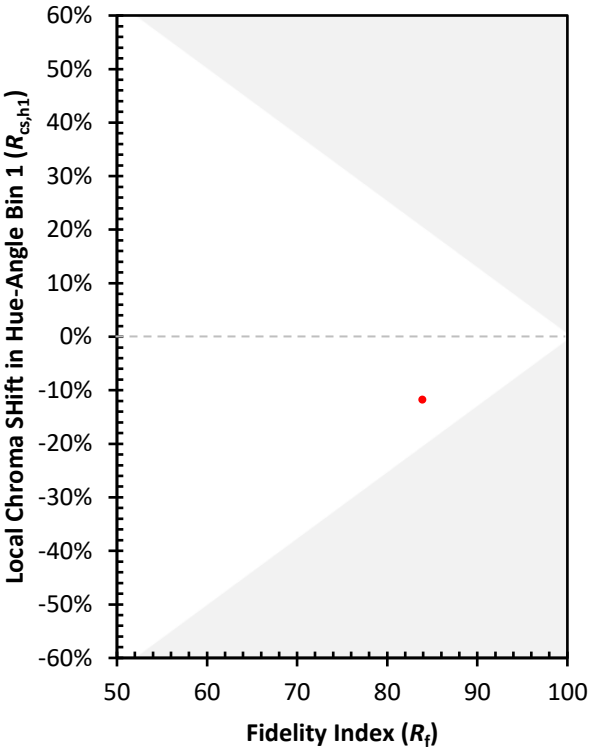


REPORT NUMBER: SP3-2602-684-2

TM-30-18

Measure Comparisons





(END OF REPORT)