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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1366541

Luminaire Tested: **GSS-SB6C-735-U-T3R**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1366541
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-735-U-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 70CRI 3500K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(156) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	43175.4 lumens
Efficiency:	N/A
Efficacy:	143.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B4 - U0 - G5

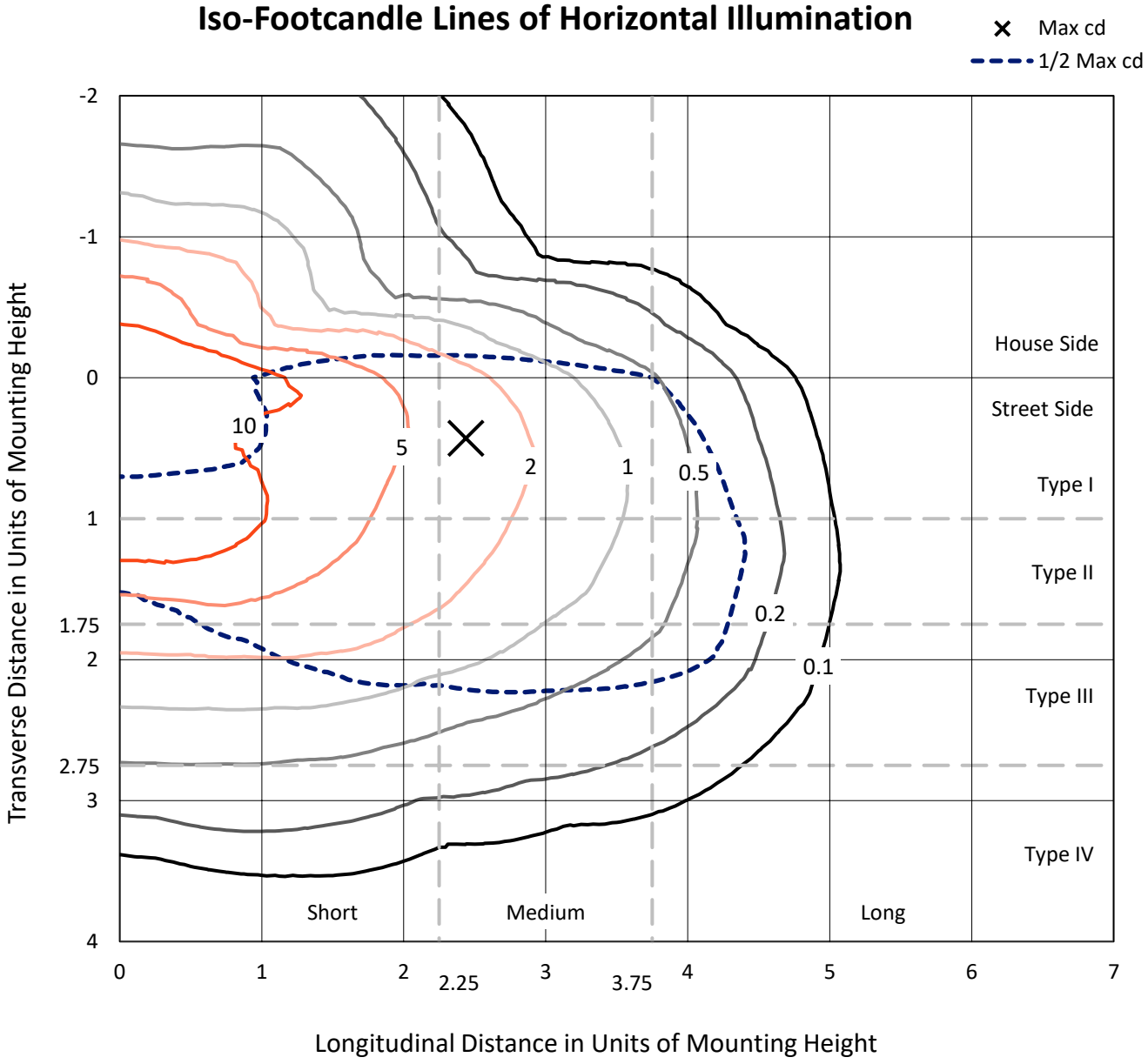
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366541
CATALOG NUMBER: GSS-SB6C-735-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



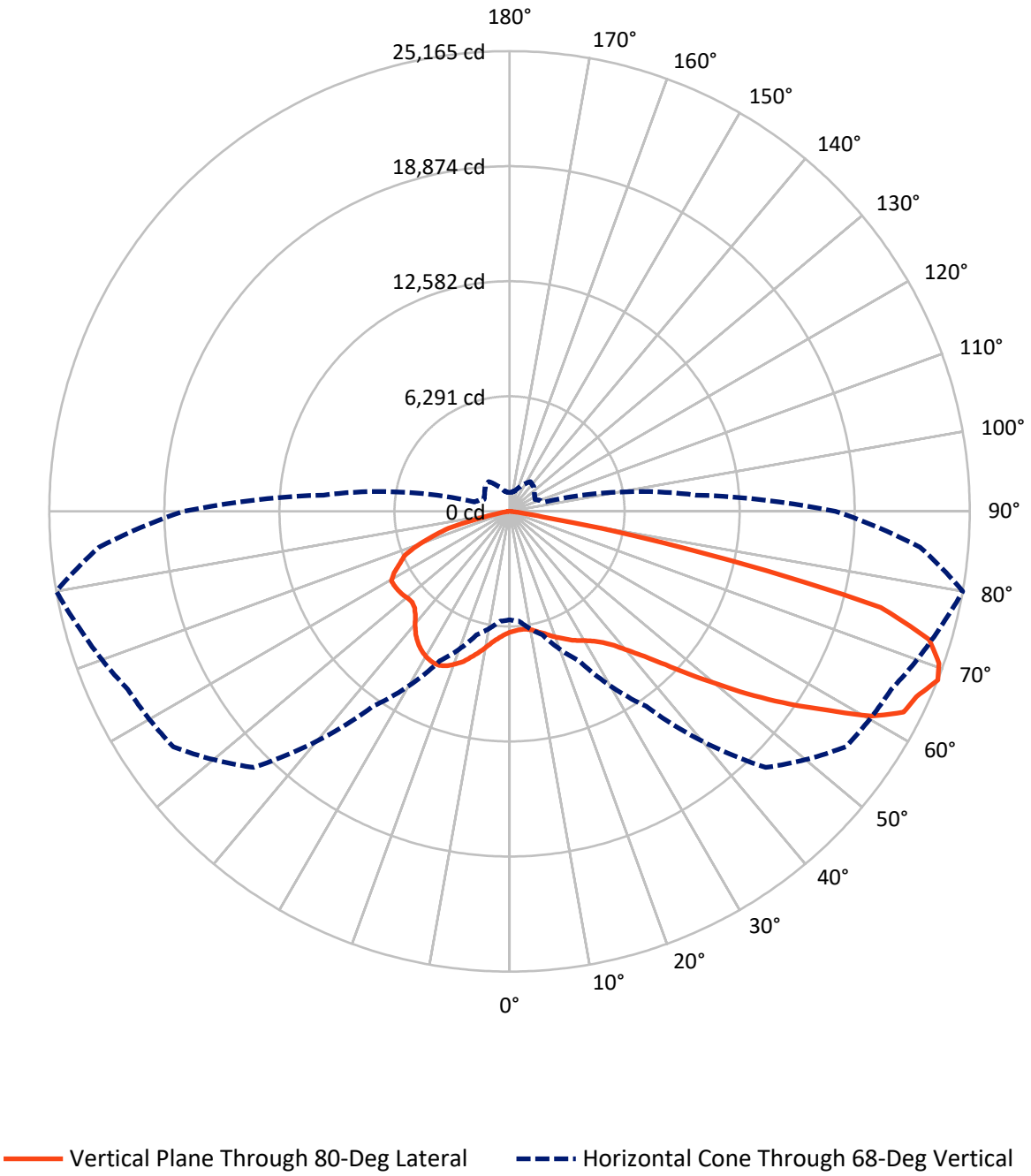
Based on 20 foot mounting height. Maximum calculated value = 18.7 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366541
CATALOG NUMBER: GSS-SB6C-735-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

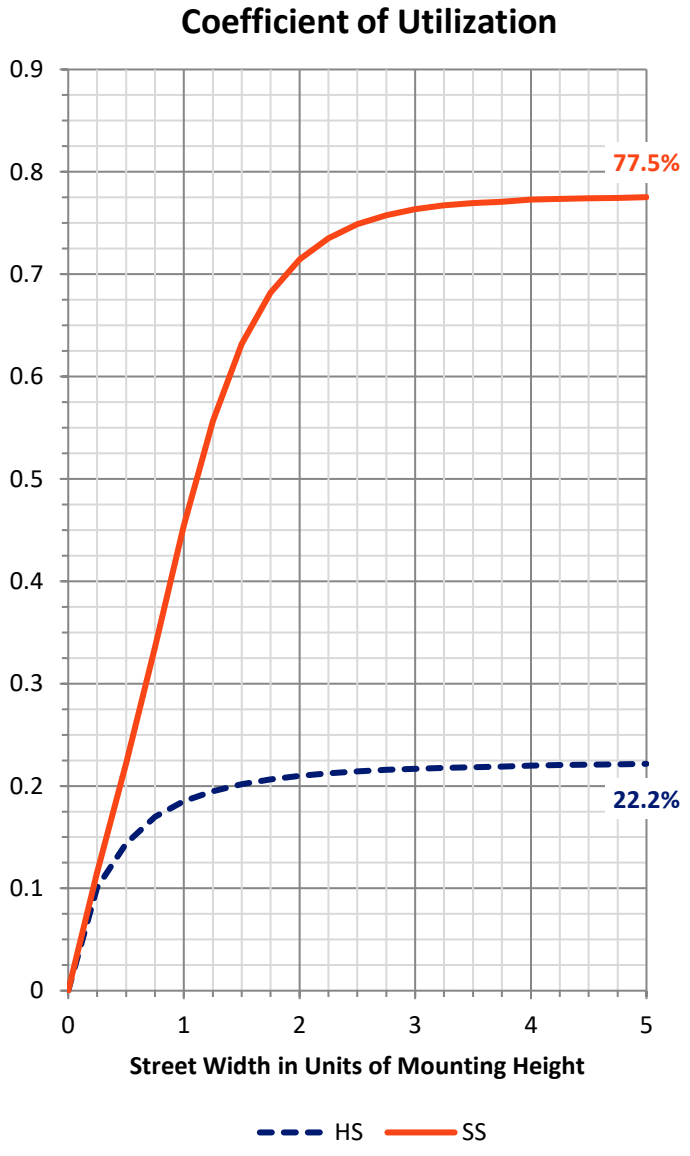
REPORT NUMBER: P1366541
CATALOG NUMBER: GSS-SB6C-735-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9648.0	0.0	9648.0
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	33527.4	0.0	33527.4
	% Fixture	77.7	0.0	77.7
Total	Lumens	43175.4	0.0	43175.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.4	1.5
10°-20°	1822.8	4.2
20°-30°	3005.5	7.0
30°-40°	4614.3	10.7
40°-50°	7124.6	16.5
50°-60°	9840.8	22.8
60°-70°	10085.8	23.4
70°-80°	5712.2	13.2
80°-90°	331.1	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	43175.4	100.0
0°-180°	43175.4	100.0



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

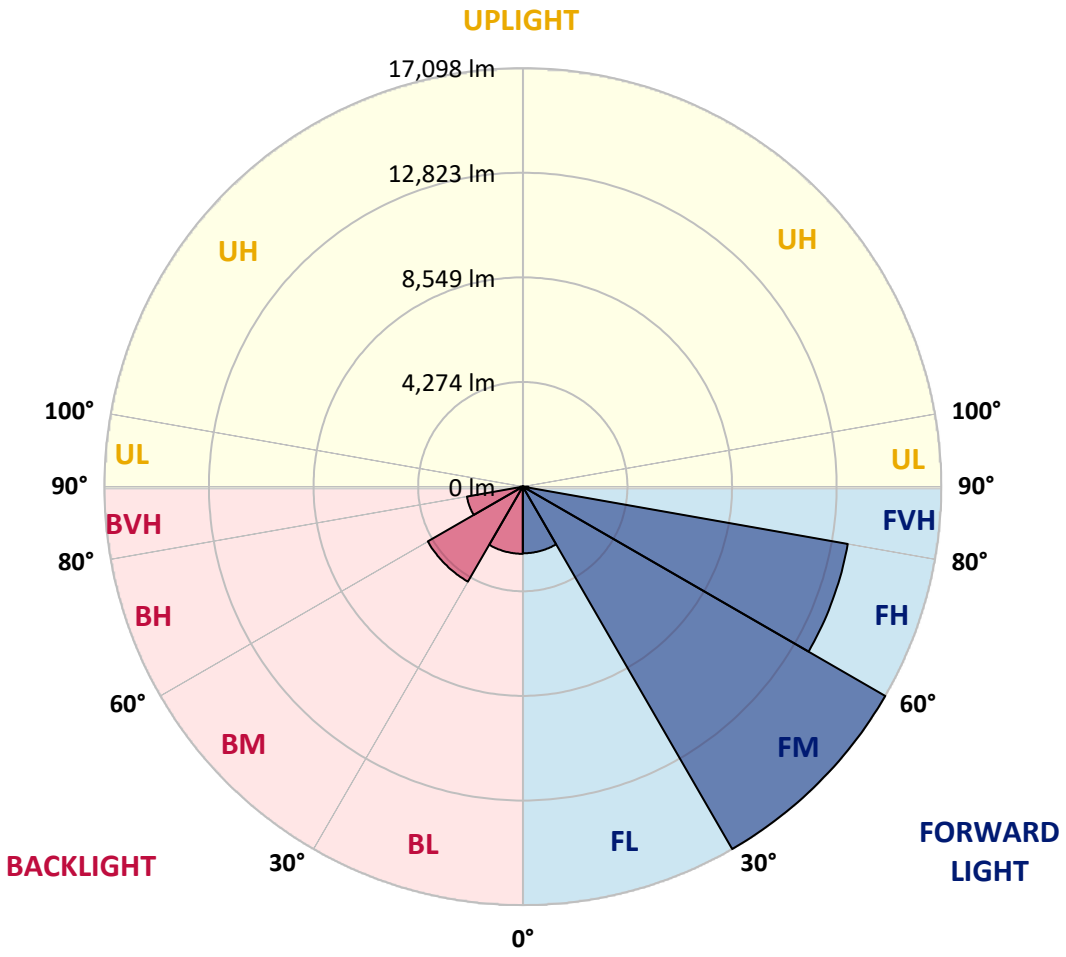
Scaled Data Report

REPORT NUMBER: P1366541
CATALOG NUMBER: GSS-SB6C-735-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2722.0	6.3			
FM	(30°-60°)	17097.8	39.6			
FH	(60°-80°)	13479.3	31.2			G5
FVH	(80°-90°)	228.3	0.5			G3/500
BL	(0°-30°)	2744.7	6.4	B4/5000		
BM	(30°-60°)	4481.8	10.4	B3/5000		
BH	(60°-80°)	2318.7	5.4	B3/2500		G3/2500
BVH	(80°-90°)	102.8	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P1366541
CATALOG NUMBER: GSS-SB6C-735-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	*6595.8*	6595.8
2.5°	6132.6	6112.4	6102.4	6122.5	6152.7	6213.1	6283.6	6334.0	6454.8	*6525.3*	6585.7
5°	5810.3	5800.3	5800.3	5850.6	5901.0	5971.5	6072.2	6162.8	6344.0	*6485.0*	6585.7
7.5°	5427.7	5417.6	5417.6	5528.4	5629.1	5790.2	5951.3	6102.4	6323.9	*6505.2*	6666.3
10°	5024.9	5024.9	5045.0	5186.0	5357.2	5588.8	5860.7	6092.3	6374.3	*6585.7*	6807.3
12.5°	4853.7	4843.6	4853.7	4984.6	5155.8	5468.0	5780.1	6132.6	6475.0	*6746.8*	7008.7
15°	4894.0	4873.8	4853.7	4964.5	5095.4	5407.5	5780.1	6213.1	6646.1	*6908.0*	7270.5
17.5°	5105.4	5095.4	5035.0	5065.2	5155.8	5437.8	5830.5	6334.0	6817.3	*7129.5*	7522.2
20°	5518.3	5488.1	5397.5	5347.1	5357.2	5538.5	5921.1	6495.1	6978.5	*7351.0*	7794.1
22.5°	6203.1	6182.9	6031.9	5830.5	5699.6	5749.9	6082.2	6676.4	7200.0	*7552.4*	8106.3
25°	7109.4	7059.0	6827.4	6505.2	6203.1	6092.3	6283.6	6918.0	7411.5	*7794.1*	8398.3
27.5°	8076.1	8086.1	7874.7	7391.3	6867.7	6495.1	6545.4	7159.7	7653.1	*7995.5*	8650.1
30°	9203.9	9153.6	8921.9	8418.4	7653.1	7028.8	6817.3	7391.3	7874.7	*8196.9*	8952.2
32.5°	10694.2	10704.3	10291.5	9516.1	8559.4	7683.3	7169.8	7633.0	8126.4	*8458.7*	9324.7
35°	12496.8	12456.5	11963.1	11026.6	9727.5	8438.6	7622.9	7945.2	8428.5	*8801.1*	9757.7
37.5°	14108.0	13997.2	13705.2	12808.9	11197.7	9465.7	8237.2	8358.0	8901.8	*9294.5*	10402.2
40°	15547.9	15497.6	15447.2	14762.5	12879.4	10744.6	9042.8	8992.4	9485.9	*9999.4*	11197.7
42.5°	16736.2	16726.1	16746.3	16595.2	14933.7	12345.7	10170.6	9818.2	10311.6	*10835.2*	12134.2
45°	17602.2	17582.1	17793.5	18105.7	16937.6	14259.0	11499.8	10845.3	11358.9	*11953.0*	13322.5
47.5°	18528.6	18538.7	18830.7	19354.4	18891.2	16162.2	13010.3	12124.2	12587.4	*13342.6*	14742.4
50°	18891.2	18891.2	19586.0	20331.2	20462.1	18186.3	14812.8	13644.7	14118.0	*14923.6*	16172.3
52.5°	18105.7	18256.8	19475.2	20874.9	21489.2	20059.3	16716.1	15296.2	15699.0	*16736.2*	17592.1
55°	13715.2	14248.9	18629.3	20613.1	21871.9	21529.5	18609.2	17128.9	17572.0	*18599.1*	19052.3
57.5°	11842.2	11983.2	14611.4	19696.8	21388.5	22325.0	20361.4	19082.5	19485.3	*20492.3*	20572.8
60°	10412.3	10603.6	12214.8	18146.0	20431.9	22244.4	21821.5	20885.0	21448.9	*22727.8*	22113.5
62.5°	8438.6	8640.0	9999.4	14500.7	19173.1	21680.5	22959.4	22586.8	23120.5	*24187.9*	22747.9
65°	7431.6	7502.1	8478.9	11117.2	16857.0	21197.2	23543.5	23311.9	23543.5	*24439.7*	22425.7
67.5°	6193.0	6334.0	7280.5	9435.5	13614.5	20170.0	22677.4	23009.8	24157.7	*25043.9*	22667.4
68°	*5931.2*	*6031.9*	*6998.6*	*9022.6*	*13010.3*	*19797.5*	*22445.8*	*23029.9*	*24399.4*	*25164.7*	*22536.5*
70°	4843.6	4984.6	5840.6	7562.5	10905.7	15850.0	21539.5	23422.6	24570.6	*24913.0*	21821.5
72.5°	2396.6	2648.4	4028.0	5337.1	7874.7	11459.6	18881.1	22919.1	24218.1	*24006.7*	20311.0
75°	845.9	906.3	1883.1	2890.1	3816.5	7421.5	13352.7	20895.1	22204.2	*20965.6*	17028.2
77.5°	604.2	654.5	1067.4	1460.1	1570.9	3725.9	8559.4	13815.9	13131.2	*10170.6*	7753.8
80°	473.3	513.6	795.5	815.7	785.5	1309.1	2920.3	4189.1	2950.5	*1852.9*	1339.3
82.5°	292.0	352.4	594.1	493.4	362.5	412.9	684.8	1127.8	805.6	*513.6*	412.9
85°	110.8	141.0	271.9	191.3	120.8	161.1	231.6	302.1	231.6	*171.2*	151.0
87.5°	10.1	10.1	20.1	20.1	30.2	40.3	60.4	80.6	90.6	*90.6*	90.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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

Scaled Data Report

REPORT NUMBER: P1366541
CATALOG NUMBER: GSS-SB6C-735-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8	6595.8
2.5°	6626.0	6656.2	6787.1	6857.6	6988.5	7089.2	7149.6	7179.8	7210.1	7230.2	7220.1
5°	6696.5	6787.1	7038.9	7230.2	7381.2	7481.9	7532.3	7572.6	7582.6	7602.8	7592.7
7.5°	6827.4	6968.4	7351.0	7572.6	7703.5	7743.8	7703.5	7683.3	7653.1	7622.9	7622.9
10°	7038.9	7260.4	7713.6	7874.7	7884.7	7824.3	7693.4	7542.4	7431.6	7391.3	7371.2
12.5°	7310.8	7622.9	8086.1	8126.4	7995.5	7713.6	7341.0	7028.8	6827.4	6676.4	6666.3
15°	7643.1	8005.6	8408.4	8287.5	7915.0	7320.8	6706.6	6263.5	6031.9	5901.0	5840.6
17.5°	7985.4	8448.7	8700.4	8368.1	7582.6	6615.9	5880.8	5528.4	5316.9	5246.4	5196.1
20°	8368.1	8811.2	8901.8	8247.3	6978.5	5830.5	5165.9	4944.3	4944.3	4924.2	4904.0
22.5°	8760.8	9183.8	9012.6	7915.0	6182.9	5055.1	4652.3	4732.9	4873.8	4914.1	4914.1
25°	9123.3	9506.0	9012.6	7320.8	5236.4	4420.7	4450.9	4642.2	4823.5	4924.2	4924.2
27.5°	9475.8	9707.4	8831.3	6485.0	4380.4	4098.5	4279.7	4511.3	4803.3	4954.4	4964.5
30°	9828.2	9858.4	8509.1	5417.6	3766.1	3866.8	4078.3	4380.4	4702.7	4894.0	4914.1
32.5°	10200.8	9999.4	8055.9	4360.3	3484.2	3645.3	3897.1	4138.7	4390.5	4531.5	4541.5
35°	10623.8	10130.3	7471.9	3544.6	3302.9	3494.3	3685.6	3766.1	3836.6	3917.2	3967.5
37.5°	11087.0	10301.5	6706.6	3131.7	3131.7	3353.3	3464.1	3302.9	3282.8	3272.7	3242.5
40°	11600.5	10482.8	5749.9	2920.3	3000.8	3202.2	3111.6	2920.3	2779.3	2628.2	2638.3
42.5°	12245.0	10714.4	4662.4	2819.6	2910.2	3081.4	2829.6	2598.0	2215.4	2114.7	2134.8
45°	12980.1	11006.4	3796.4	2728.9	2839.7	2970.6	2638.3	2195.2	1953.6	2054.3	2124.8
47.5°	13755.5	11389.1	3172.0	2658.5	2809.5	2839.7	2517.5	2014.0	1852.9	2074.4	2165.0
50°	14671.9	11741.5	2880.0	2588.0	2799.4	2799.4	2306.0	1983.8	1772.3	1963.6	2054.3
52.5°	15598.3	12083.9	2728.9	2507.4	2769.2	2789.4	2255.7	1943.5	1661.5	1722.0	1762.2
55°	16504.6	12275.2	2648.4	2396.6	2739.0	2739.0	2275.8	1873.0	1550.8	1550.8	1570.9
57.5°	17421.0	12406.1	2577.9	2265.7	2638.3	2588.0	2275.8	1822.7	1510.5	1470.2	1490.3
60°	18438.0	12486.7	2507.4	2114.7	2497.3	2406.7	2265.7	1782.4	1460.1	1399.7	1409.8
62.5°	18599.1	11922.8	2376.5	1953.6	2306.0	2255.7	2225.5	1732.0	1379.6	1258.7	1258.7
65°	18025.1	11076.9	2215.4	1752.2	2054.3	2104.6	2144.9	1671.6	1299.0	1158.0	1168.1
67.5°	17964.7	10442.5	2044.2	1570.9	1722.0	1913.3	2044.2	1570.9	1178.2	1057.3	1047.3
68°	*17823.7*	*10210.9*	*1993.8*	*1530.6*	*1661.5*	*1873.0*	*1983.8*	*1530.6*	*1158.0*	*1037.2*	*1037.2*
70°	16917.5	9203.9	1691.7	1349.4	1470.2	1530.6	1742.1	1359.4	1037.2	936.5	946.6
72.5°	15155.2	7502.1	1299.0	1097.6	1178.2	1178.2	1510.5	1258.7	946.6	855.9	855.9
75°	12637.7	5931.2	986.9	866.0	825.7	956.6	1228.5	1137.9	835.8	765.3	735.1
77.5°	5739.9	2557.8	644.5	604.2	614.3	745.2	976.8	976.8	795.5	624.3	553.8
80°	1268.8	795.5	392.7	362.5	362.5	473.3	684.8	704.9	574.0	433.0	372.6
82.5°	422.9	322.2	241.7	221.5	211.5	251.7	422.9	463.2	342.4	251.7	251.7
85°	161.1	151.0	130.9	120.8	100.7	100.7	130.9	211.5	181.3	120.8	120.8
87.5°	80.6	80.6	70.5	50.3	40.3	30.2	20.1	20.1	20.1	30.2	20.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

McGraw-Edison

Report Number: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

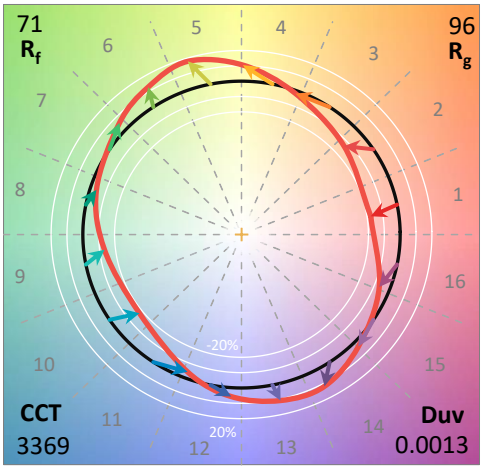
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

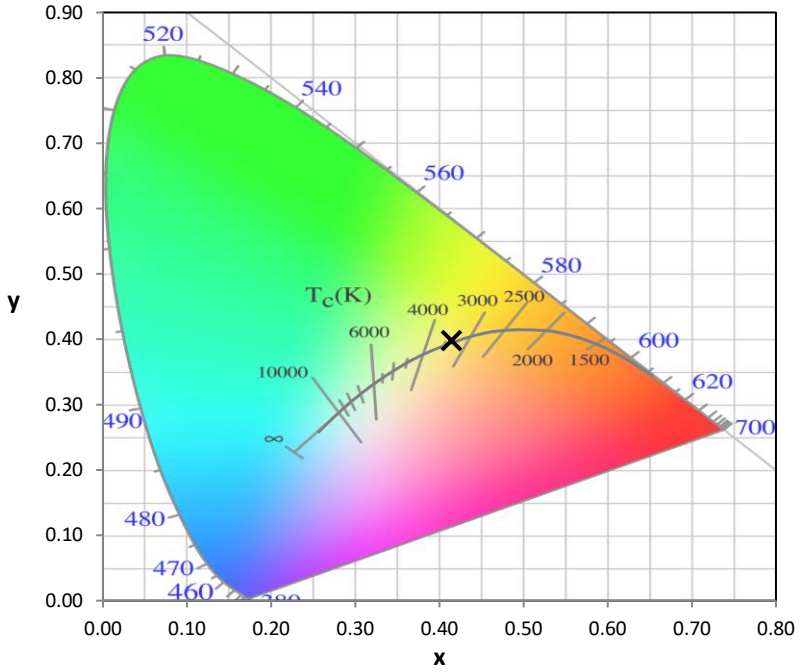
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

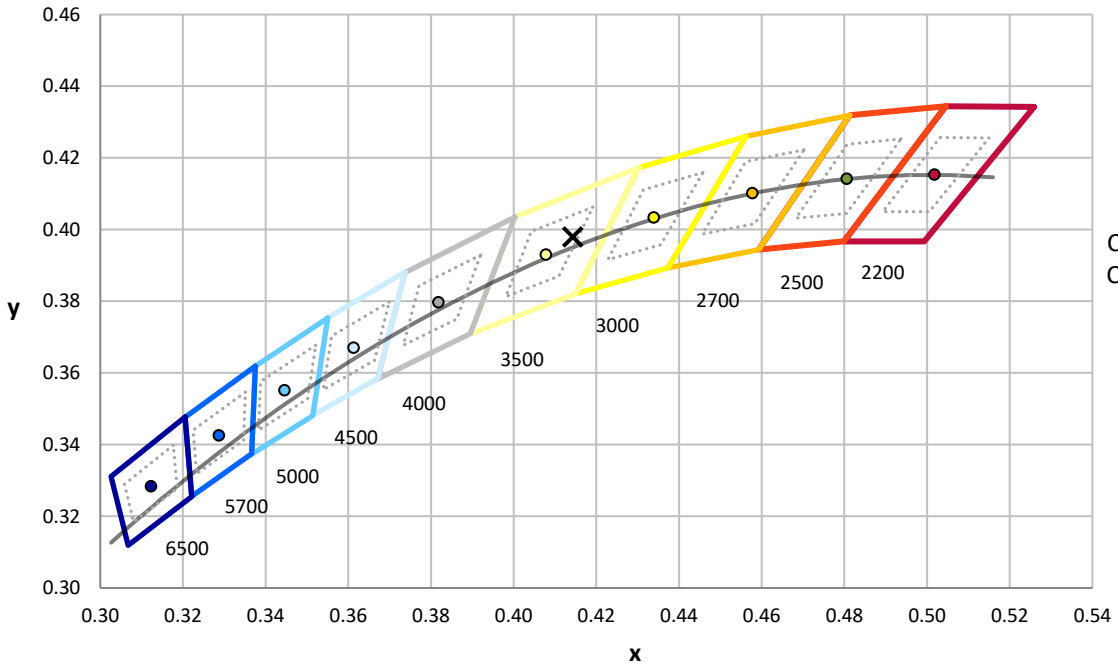
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

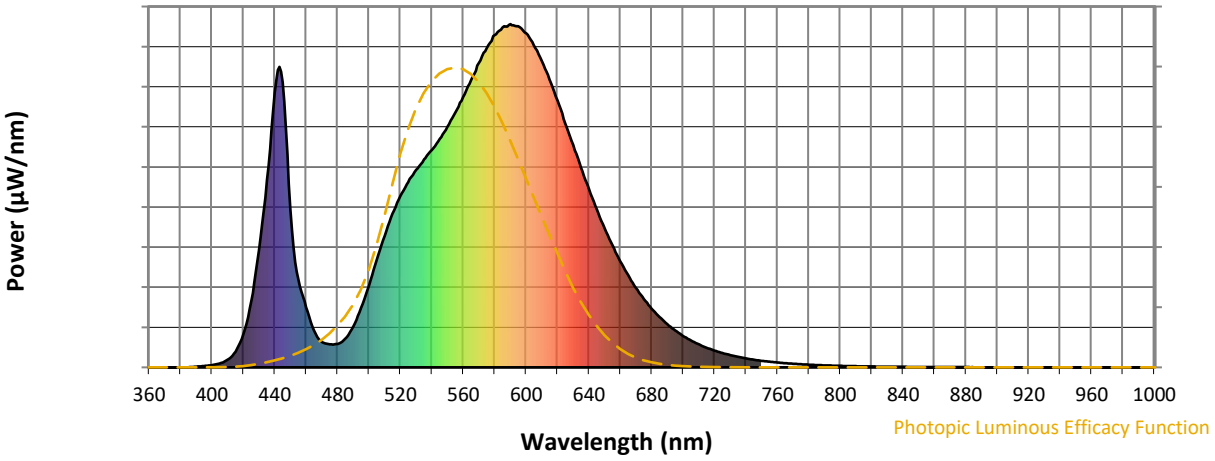


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

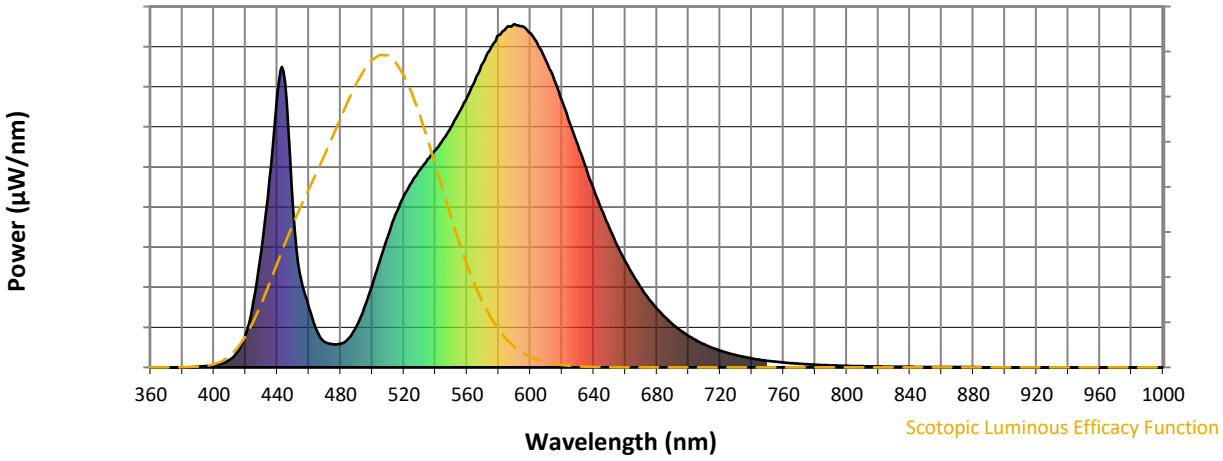


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

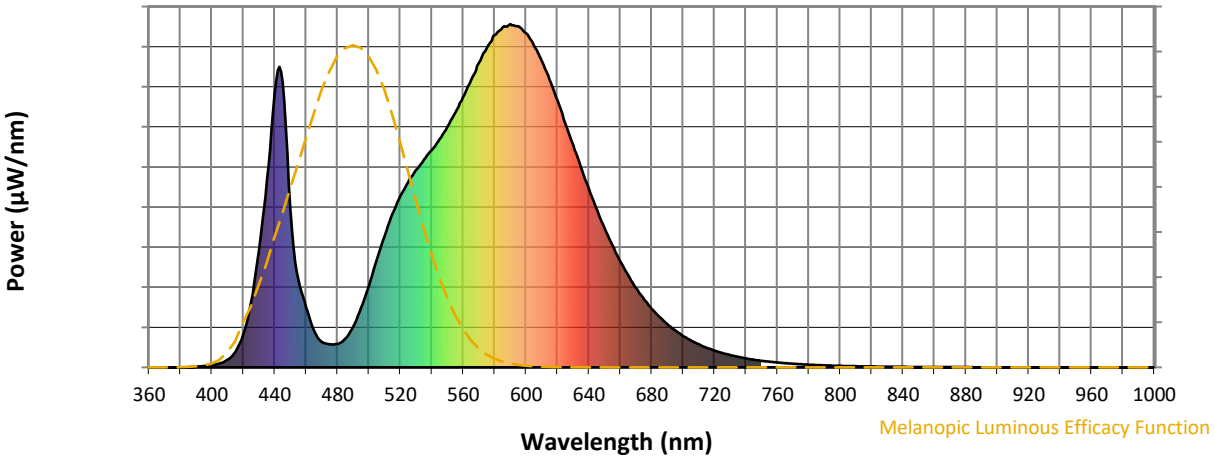


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

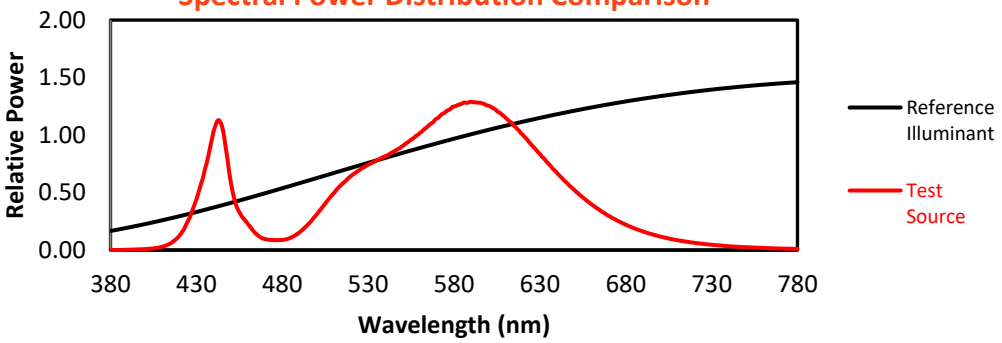
REPORT NUMBER: SP1-2407-184-5

TM-30-18

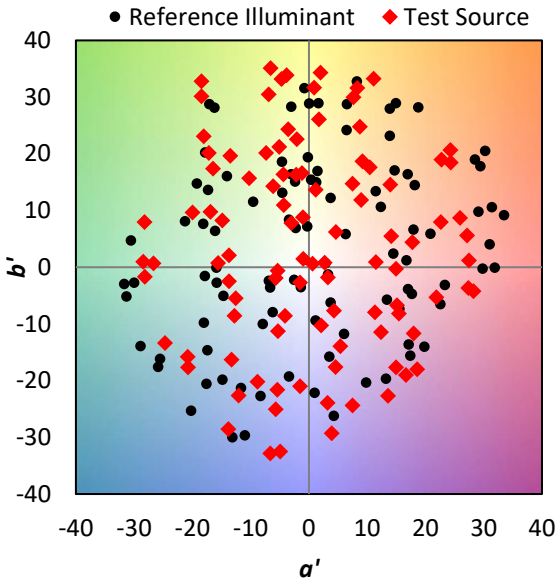
Summary

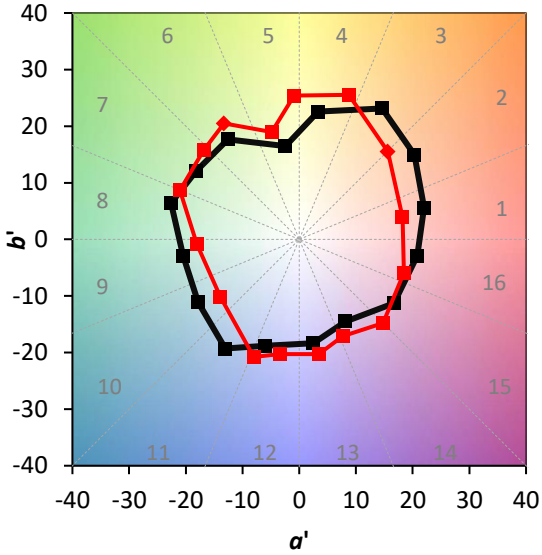
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

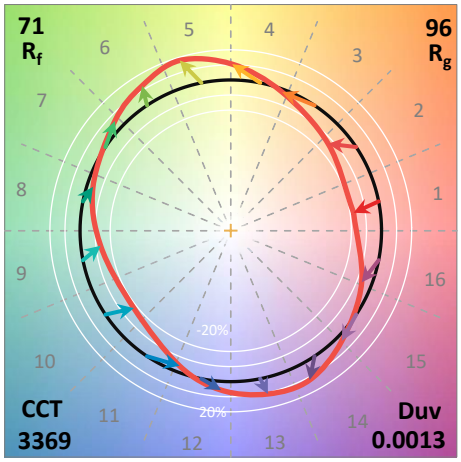
Spectral Power Distribution Comparison

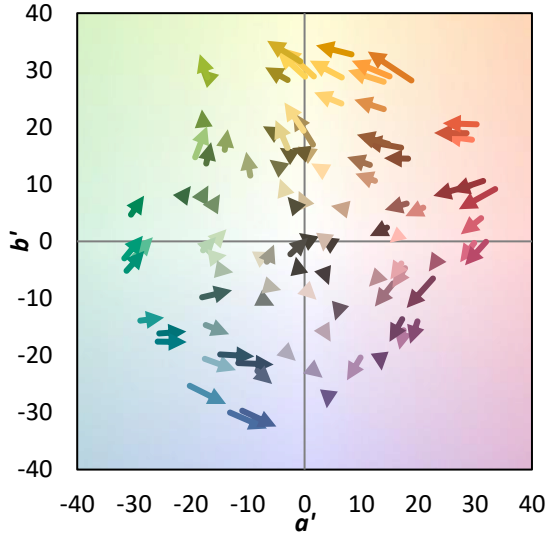


Color Vector Graphics







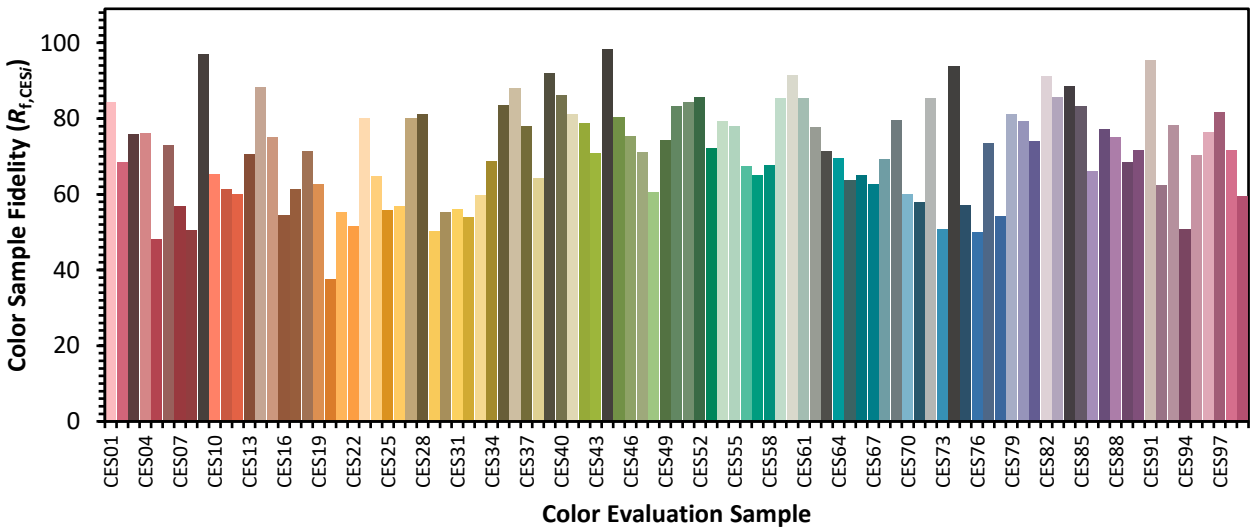


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

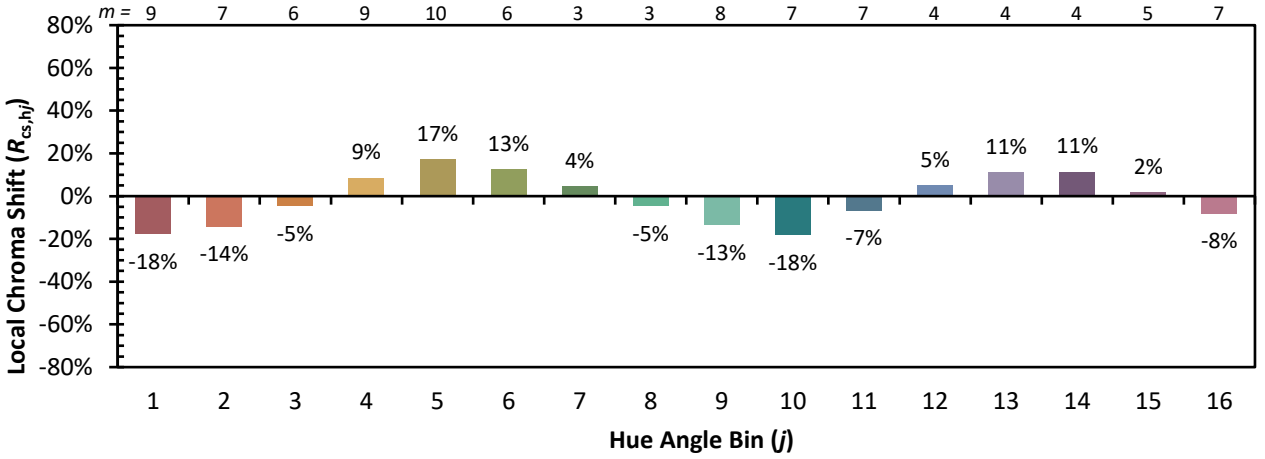
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

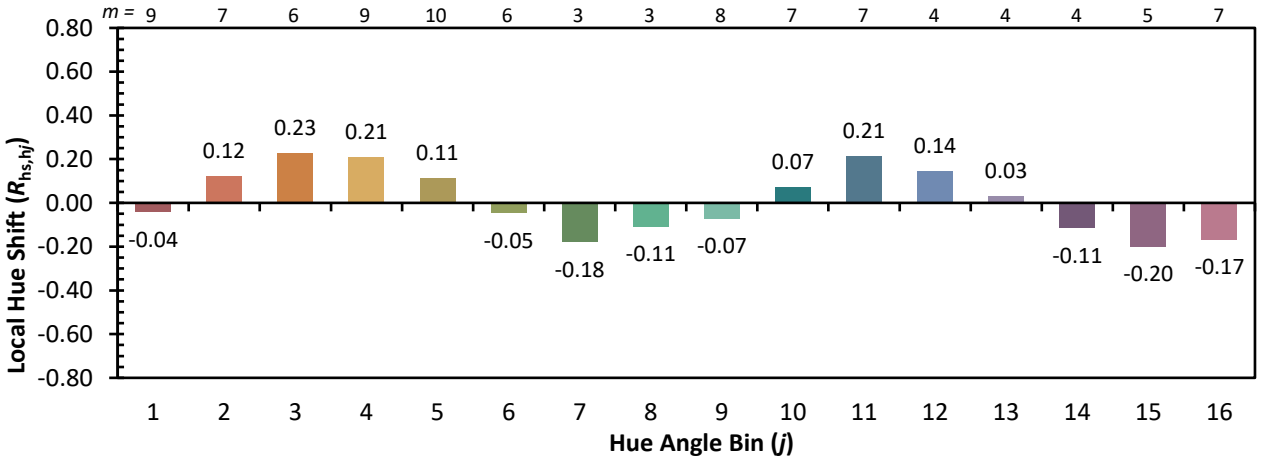


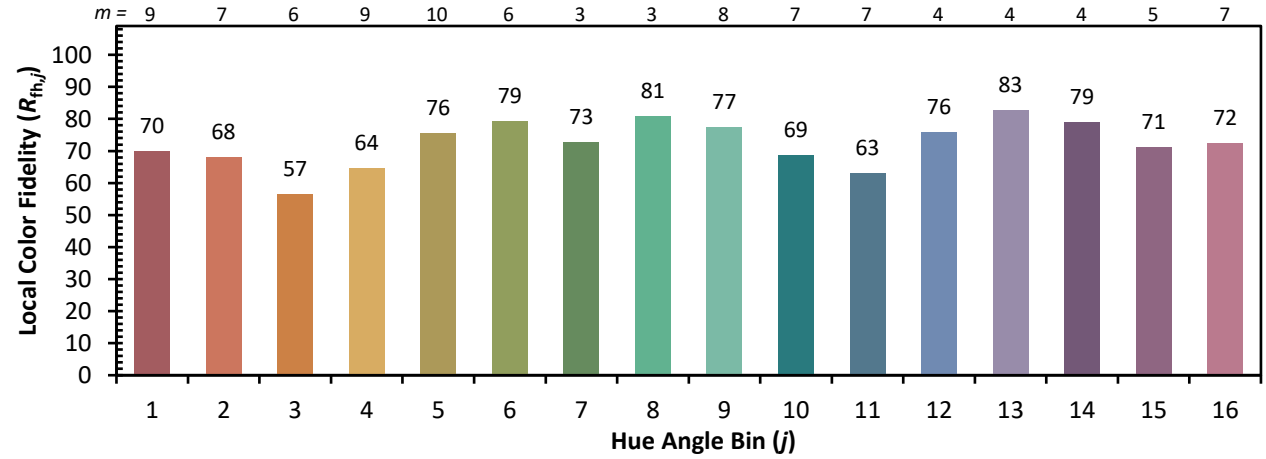
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



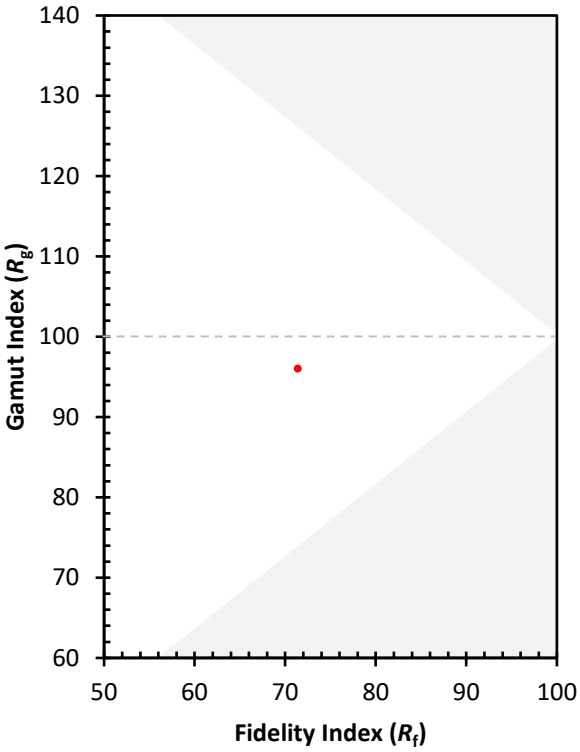


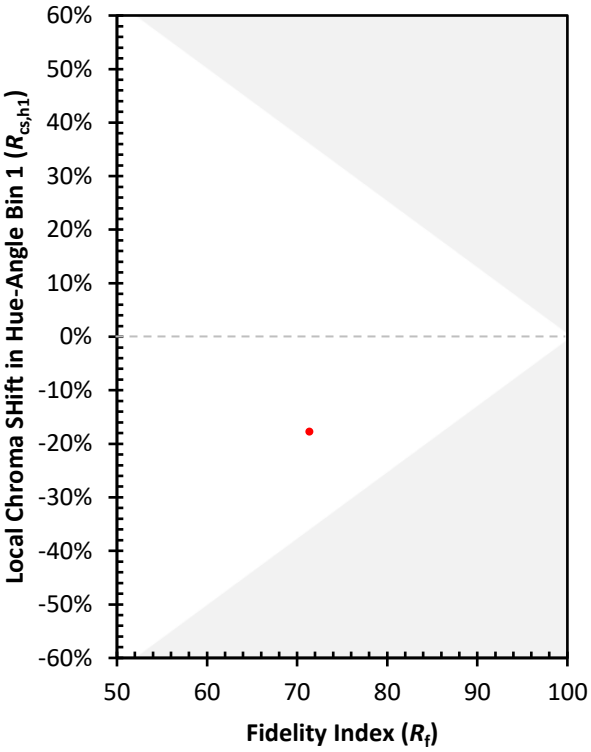


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)