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: P1365766

Luminaire Tested: **GSS-SB4D-735-U-T2R**

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:	P1365766
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4D-735-U-T2R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 238W 70CRI 3500K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(104) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32145.1 lumens
Efficiency:	N/A
Efficacy:	135.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

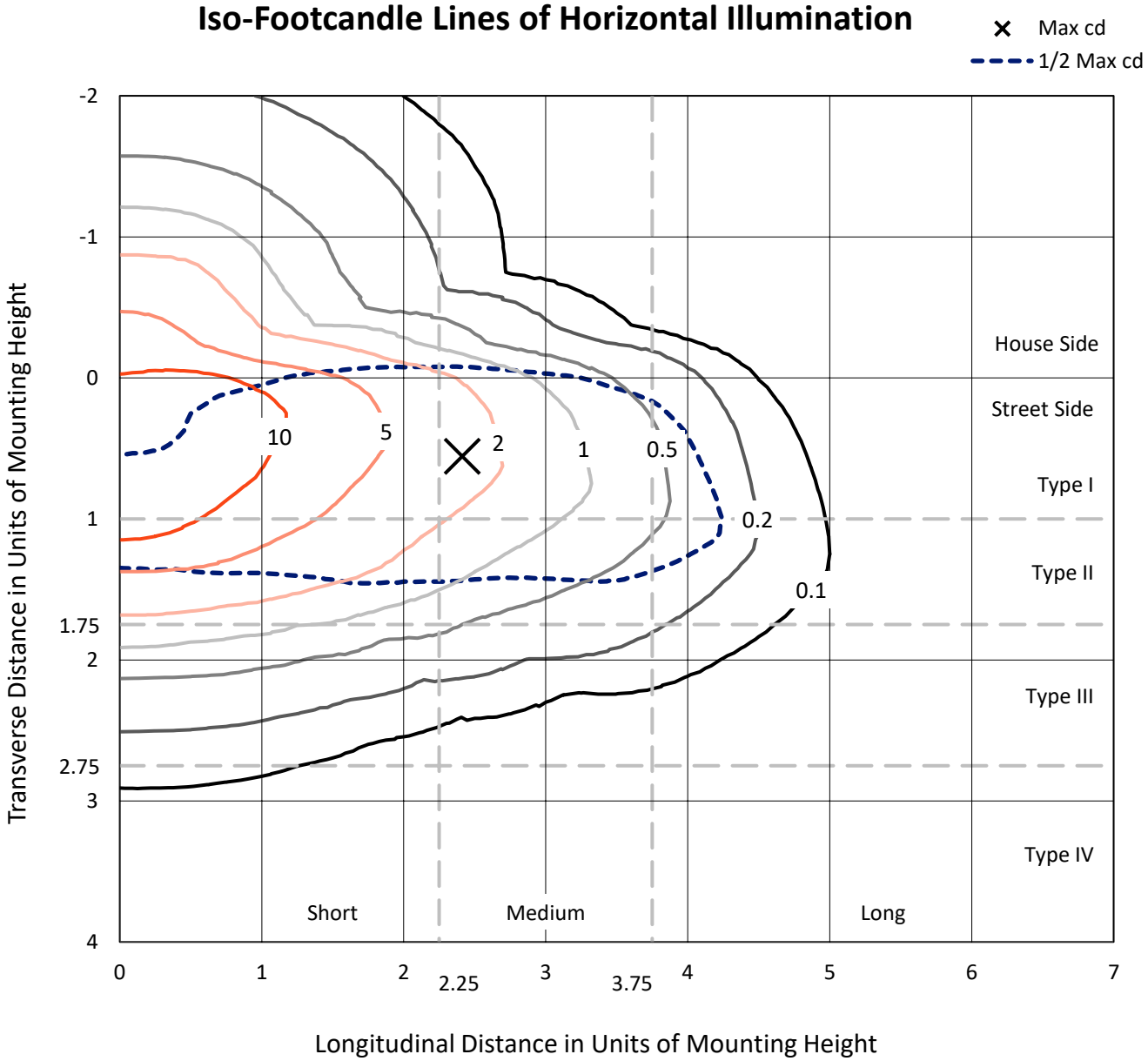
Input Watts (W):	238
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365766
CATALOG NUMBER: GSS-SB4D-735-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



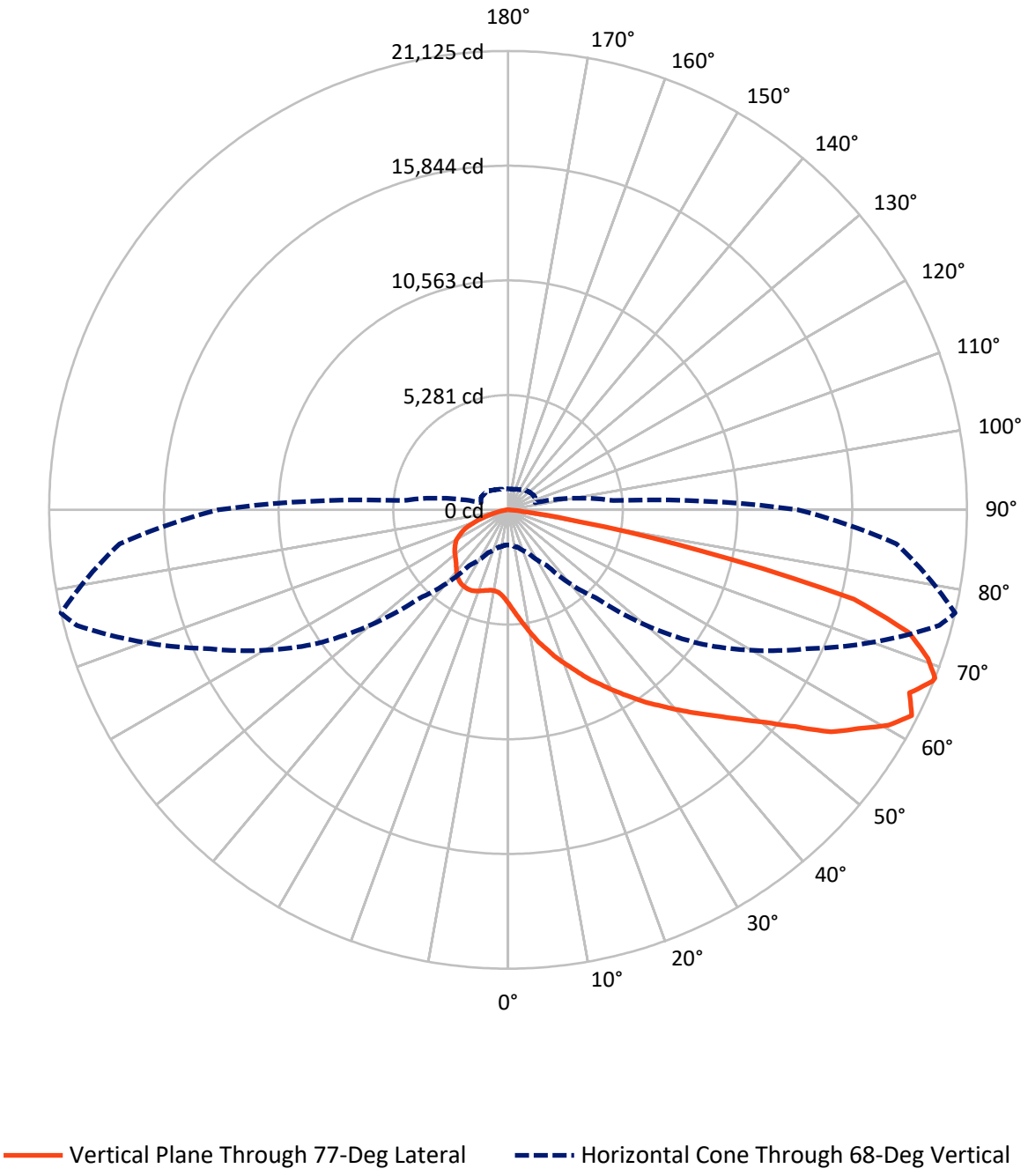
Based on 20 foot mounting height. Maximum calculated value = 18.8 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1365766
CATALOG NUMBER: GSS-SB4D-735-U-T2R

Luminous Intensity Polar Plot



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

Scaled Data Report

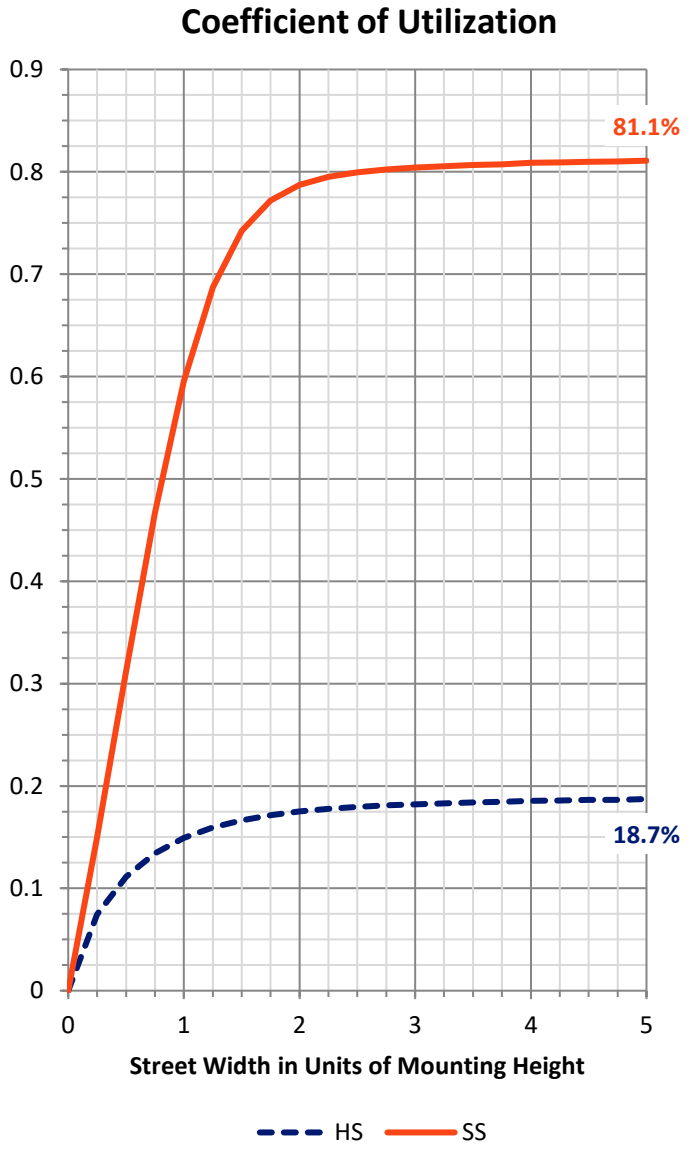
REPORT NUMBER: P1365766
CATALOG NUMBER: GSS-SB4D-735-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6068.1	0.0	6068.1
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	26077.0	0.0	26077.0
	% Fixture	81.1	0.0	81.1
Total	Lumens	32145.1	0.0	32145.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.6	1.4
10°-20°	1558.1	4.8
20°-30°	2848.0	8.9
30°-40°	4614.8	14.4
40°-50°	6347.3	19.7
50°-60°	7116.8	22.1
60°-70°	5998.1	18.7
70°-80°	2972.8	9.2
80°-90°	245.5	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°	32145.1	100.0
0°-180°	32145.1	100.0



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

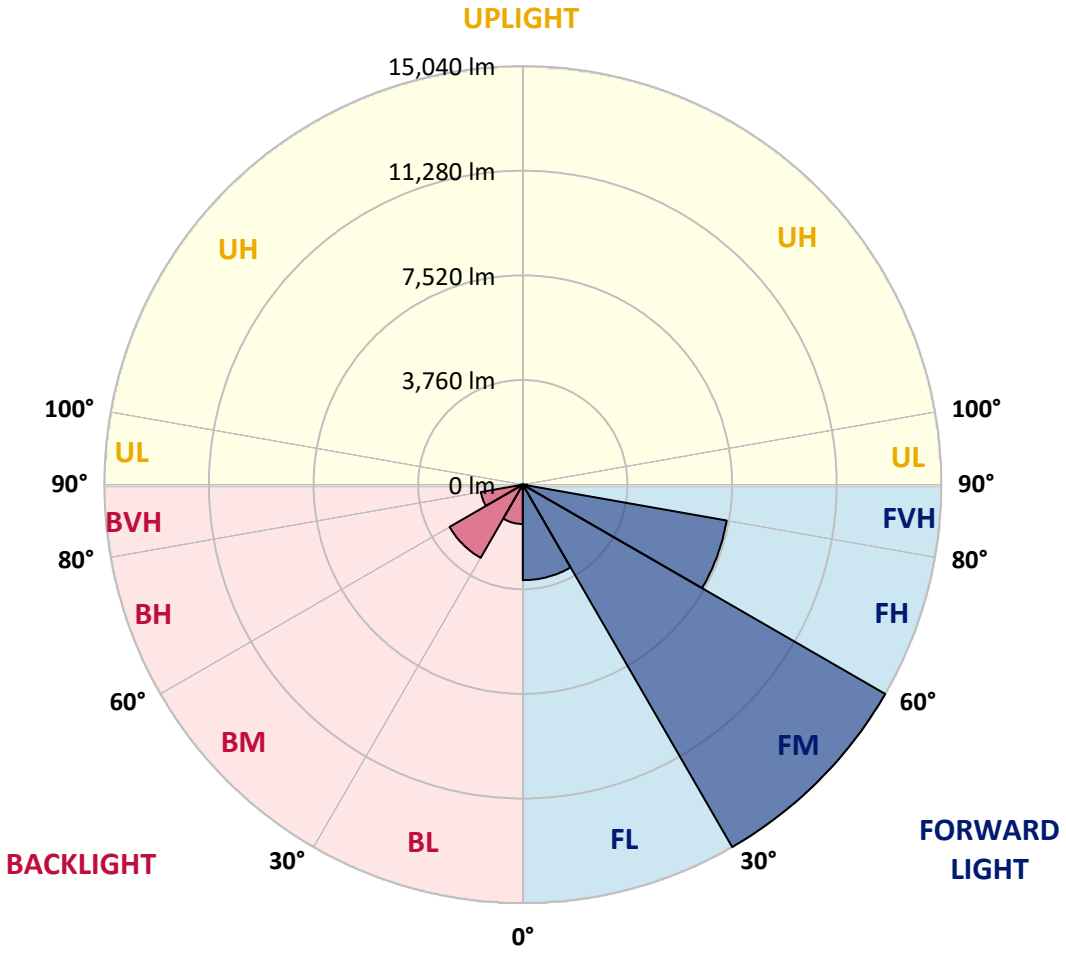
Scaled Data Report

REPORT NUMBER: P1365766
CATALOG NUMBER: GSS-SB4D-735-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3434.9	10.7			
FM	(30°-60°)	15040.5	46.8			
FH	(60°-80°)	7440.3	23.1			G3/7500
FVH	(80°-90°)	161.4	0.5			G2/225
BL	(0°-30°)	1414.8	4.4	B3/2500		
BM	(30°-60°)	3038.5	9.5	B3/5000		
BH	(60°-80°)	1530.7	4.8	B3/2500		G3/2500
BVH	(80°-90°)	84.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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

Scaled Data Report

REPORT NUMBER: P1365766
CATALOG NUMBER: GSS-SB4D-735-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	*4324.6*	4324.6
2.5°	5394.7	5364.9	5342.7	5268.3	5223.8	5104.9	5008.3	4844.8	4636.7	*4621.9*	4458.4
5°	6219.5	6182.3	6152.6	6048.6	6004.0	5795.9	5610.2	5320.4	5023.1	*4971.1*	4644.2
7.5°	6888.2	6843.6	6813.9	6717.3	6628.2	6464.7	6226.9	5877.7	5446.7	*5350.1*	4919.1
10°	7356.4	7356.4	7348.9	7289.5	7237.5	7081.4	6806.5	6397.8	5885.1	*5773.6*	5208.9
12.5°	7720.5	7698.2	7727.9	7765.0	7772.5	7683.3	7430.7	6970.0	6353.2	*6241.8*	5513.6
15°	7750.2	7757.6	7869.1	8017.7	8203.5	8233.2	8025.1	7542.1	6806.5	*6657.9*	5870.2
17.5°	7601.6	7638.7	7794.8	8040.0	8396.7	8612.1	8567.6	8136.6	7296.9	*7140.9*	6197.2
20°	7557.0	7601.6	7757.6	8062.3	8485.8	8842.5	8976.2	8664.2	7787.3	*7571.9*	6553.8
22.5°	7824.5	7839.4	7950.8	8203.5	8612.1	9020.8	9318.1	9169.4	8307.5	*8069.7*	6962.5
25°	8552.7	8537.8	8530.4	8589.9	8894.5	9251.2	9615.3	9645.0	8849.9	*8612.1*	7348.9
27.5°	9763.9	9823.3	9652.4	9325.5	9355.2	9630.1	9912.5	10068.6	9377.5	*9117.4*	7735.3
30°	11272.3	11264.9	10960.2	10432.7	10031.4	10128.0	10284.0	10469.8	9905.1	*9667.3*	8166.3
32.5°	12557.8	12528.1	12201.2	11591.8	10960.2	10752.2	10811.6	10848.8	10514.4	*10246.9*	8604.7
35°	13382.6	13390.1	13078.0	12550.4	11844.5	11502.7	11354.1	11264.9	11123.7	*10863.6*	9124.9
37.5°	14207.4	14162.9	13769.0	13144.9	12557.8	12275.5	12104.6	11725.6	11688.4	*11458.1*	9585.6
40°	14824.2	14779.6	14378.3	13665.0	13130.0	12899.6	12832.8	12260.6	12320.0	*12119.4*	10098.3
42.5°	15106.5	15114.0	14749.9	14103.4	13553.5	13442.1	13575.8	12877.3	12988.8	*12803.0*	10655.6
45°	15114.0	15076.8	14824.2	14311.5	13895.4	13806.2	14170.3	13575.8	13717.0	*13546.1*	11302.0
47.5°	14705.3	14705.3	14601.3	14296.6	14073.7	14081.1	14668.1	14281.7	14534.4	*14408.1*	12052.5
50°	13813.6	13887.9	13932.5	13991.9	13984.5	14274.3	15069.4	15017.4	15411.2	*15374.1*	12892.2
52.5°	11094.0	11406.1	12528.1	13248.9	13709.6	14252.0	15507.8	15775.3	16518.4	*16585.3*	14103.4
55°	8849.9	8924.2	9867.9	11725.6	13092.8	14066.3	15663.8	16629.8	17937.6	*18041.7*	15210.6
57.5°	7185.5	7363.8	7936.0	9711.9	11747.9	13650.1	15767.9	17090.5	18836.7	*19007.7*	16124.6
60°	5312.9	5417.0	5966.8	7438.1	9838.2	12676.7	15827.3	17514.1	19884.5	*20129.7*	17313.5
62.5°	3908.5	3916.0	4265.2	5194.0	7765.0	11079.1	15366.6	17855.9	20575.5	*20857.9*	17692.4
65°	2526.4	2556.2	2905.4	3707.9	5246.1	9080.3	14304.0	16518.4	19899.3	*20315.4*	17462.1
67.5°	1701.6	1753.6	1961.7	2363.0	3514.7	6479.5	11160.9	15292.3	20523.5	*21073.4*	18019.4
68°	*1619.9*	*1627.3*	*1790.8*	*2177.2*	*3128.3*	*5736.5*	*10729.9*	*15136.3*	*20553.2*	*21125.4*	*17952.5*
70°	1285.5	1300.4	1404.4	1612.5	2125.2	3514.7	8664.2	13828.5	20003.4	*20508.6*	16979.1
72.5°	980.8	1003.1	1070.0	1151.8	1382.1	2154.9	5067.7	11264.9	18554.4	*19275.2*	15374.1
75°	832.2	839.7	891.7	921.4	906.5	1307.8	2845.9	8812.8	15782.7	*16444.1*	12624.7
77.5°	653.9	676.2	750.5	765.4	691.1	906.5	1493.6	5030.6	9266.0	*9050.6*	6078.3
80°	468.1	483.0	542.4	512.7	542.4	624.2	705.9	1805.7	3856.5	*3366.1*	1426.7
82.5°	163.5	185.8	371.5	356.7	356.7	282.4	319.5	787.7	1003.1	*876.8*	356.7
85°	29.7	37.2	104.0	148.6	133.8	104.0	133.8	245.2	200.6	*170.9*	104.0
87.5°	7.4	7.4	14.9	14.9	14.9	22.3	37.2	52.0	59.4	*59.4*	59.4
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: P1365766
CATALOG NUMBER: GSS-SB4D-735-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6	4324.6
2.5°	4369.2	4257.8	4042.3	3849.1	3693.0	3544.4	3425.5	3343.8	3284.4	3254.6	3254.6
5°	4465.8	4228.1	3834.2	3485.0	3217.5	3039.1	2927.7	2860.8	2853.4	2845.9	2845.9
7.5°	4614.4	4280.1	3693.0	3254.6	3024.3	2927.7	2898.0	2890.5	2890.5	2905.4	2905.4
10°	4815.1	4369.2	3633.6	3172.9	3046.6	3016.9	3002.0	3024.3	3031.7	3039.1	3046.6
12.5°	5052.9	4480.7	3603.9	3210.0	3135.7	3120.9	3128.3	3120.9	3143.2	3158.0	3150.6
15°	5283.2	4621.9	3633.6	3284.4	3224.9	3217.5	3195.2	3210.0	3202.6	3195.2	3195.2
17.5°	5543.3	4785.4	3663.3	3343.8	3284.4	3254.6	3224.9	3210.0	3180.3	3172.9	3165.5
20°	5825.6	4948.8	3715.3	3395.8	3299.2	3232.3	3180.3	3120.9	3076.3	3054.0	3054.0
22.5°	6115.4	5119.7	3759.9	3403.2	3269.5	3150.6	3061.4	2987.1	2920.3	2875.7	2853.4
25°	6412.7	5290.6	3774.8	3373.5	3180.3	3039.1	2920.3	2831.1	2741.9	2697.3	2682.5
27.5°	6717.3	5439.2	3752.5	3299.2	3061.4	2905.4	2771.6	2675.0	2600.7	2548.7	2548.7
30°	7014.6	5580.4	3693.0	3195.2	2935.1	2779.1	2645.3	2556.2	2489.3	2444.7	2437.3
32.5°	7356.4	5721.6	3618.7	3061.4	2808.8	2667.6	2533.9	2452.1	2392.7	2370.4	2377.8
35°	7698.2	5847.9	3499.8	2935.1	2675.0	2556.2	2429.8	2363.0	2340.7	2325.8	2318.4
37.5°	8032.6	5937.1	3343.8	2779.1	2563.6	2422.4	2363.0	2296.1	2236.6	2162.3	2154.9
40°	8374.4	6011.4	3143.2	2623.0	2437.3	2325.8	2296.1	2206.9	2065.7	1939.4	1939.4
42.5°	8768.2	6085.7	2927.7	2474.4	2281.2	2229.2	2221.8	2080.6	1872.5	1783.4	1775.9
45°	9236.3	6137.7	2734.5	2333.2	2117.7	2095.4	2154.9	1969.1	1798.2	1723.9	1731.3
47.5°	9778.8	6256.6	2563.6	2177.2	1961.7	1998.8	2006.3	1865.1	1731.3	1642.2	1642.2
50°	10477.2	6464.7	2385.2	1976.6	1850.2	1932.0	1865.1	1761.1	1619.9	1567.9	1560.4
52.5°	11406.1	6635.6	2236.6	1813.1	1775.9	1857.7	1768.5	1657.0	1538.1	1463.8	1456.4
55°	12112.0	6643.0	2095.4	1686.8	1723.9	1709.1	1671.9	1553.0	1463.8	1374.7	1374.7
57.5°	12869.9	6598.4	1969.1	1612.5	1671.9	1605.0	1575.3	1449.0	1359.8	1292.9	1278.1
60°	13687.3	6516.7	1835.4	1560.4	1627.3	1530.7	1463.8	1359.8	1285.5	1233.5	1233.5
62.5°	13828.5	6122.9	1671.9	1545.6	1575.3	1456.4	1352.4	1270.6	1196.3	1166.6	1166.6
65°	13568.4	5706.8	1486.1	1471.3	1493.6	1367.2	1248.4	1174.0	1114.6	1084.9	1077.4
67.5°	13575.8	5030.6	1337.5	1382.1	1345.0	1263.2	1144.3	1077.4	1003.1	980.8	980.8
68°	*13338.1*	*4867.1*	*1285.5*	*1367.2*	*1315.2*	*1233.5*	*1114.6*	*1040.3*	*973.4*	*966.0*	*966.0*
70°	12223.4	3945.7	1099.7	1263.2	1226.1	1129.5	980.8	943.7	899.1	891.7	899.1
72.5°	10677.9	2912.8	884.2	1062.6	1092.3	876.8	862.0	847.1	795.1	795.1	787.7
75°	8352.1	2125.2	668.8	839.7	809.9	802.5	735.6	728.2	683.6	676.2	661.3
77.5°	3789.6	1084.9	453.3	557.3	646.5	713.3	616.7	594.5	564.7	564.7	557.3
80°	1062.6	557.3	304.7	319.5	393.8	579.6	483.0	438.4	460.7	445.8	386.4
82.5°	326.9	230.4	185.8	200.6	185.8	334.4	356.7	274.9	245.2	260.1	274.9
85°	111.5	104.0	89.2	96.6	81.7	133.8	156.0	104.0	111.5	111.5	96.6
87.5°	59.4	59.4	44.6	37.2	29.7	22.3	14.9	14.9	7.4	7.4	7.4
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

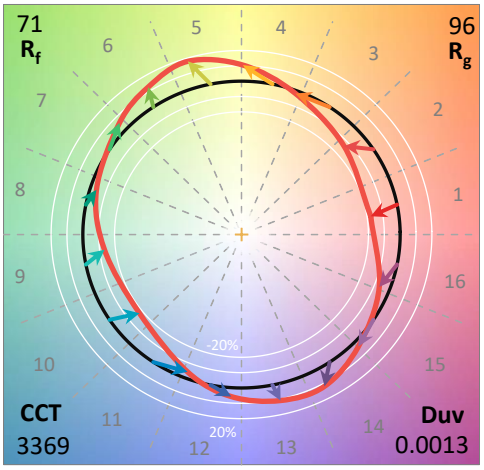
Test Information

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

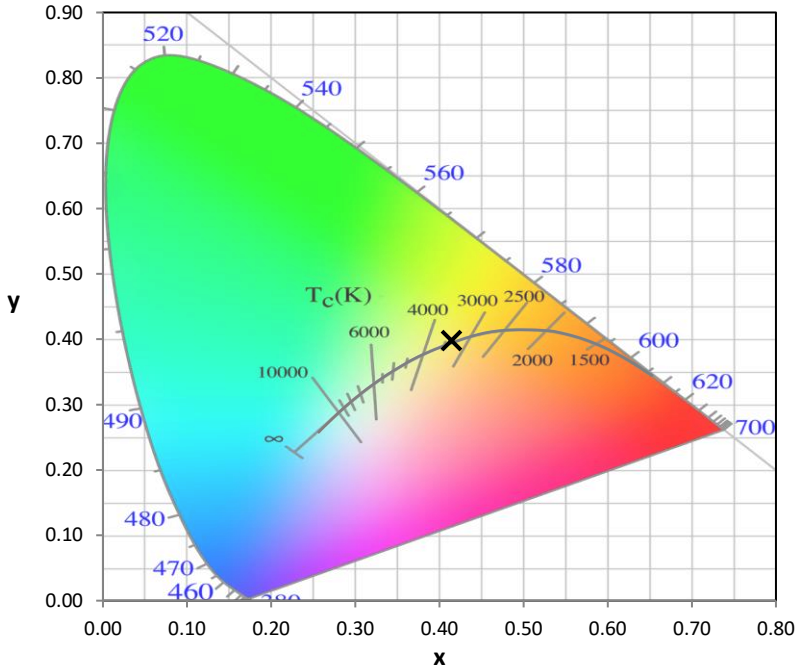
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

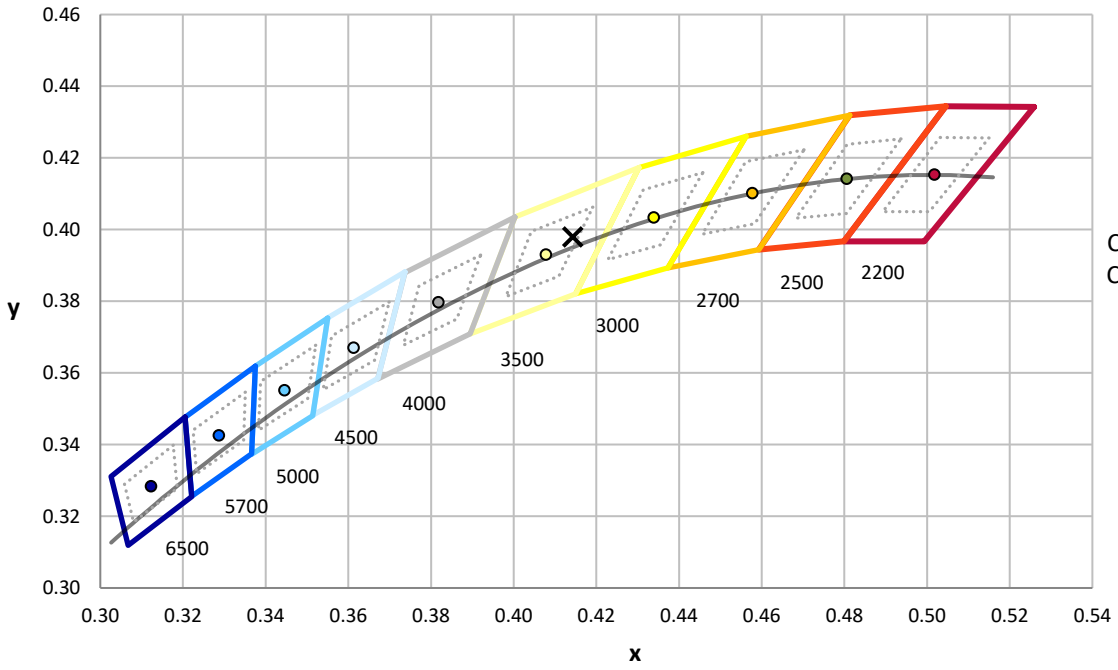
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

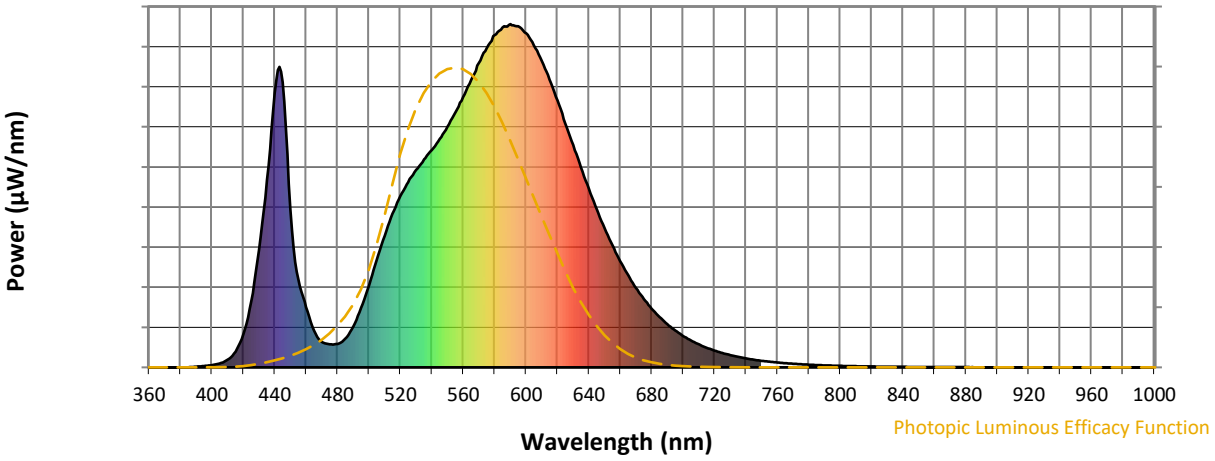


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

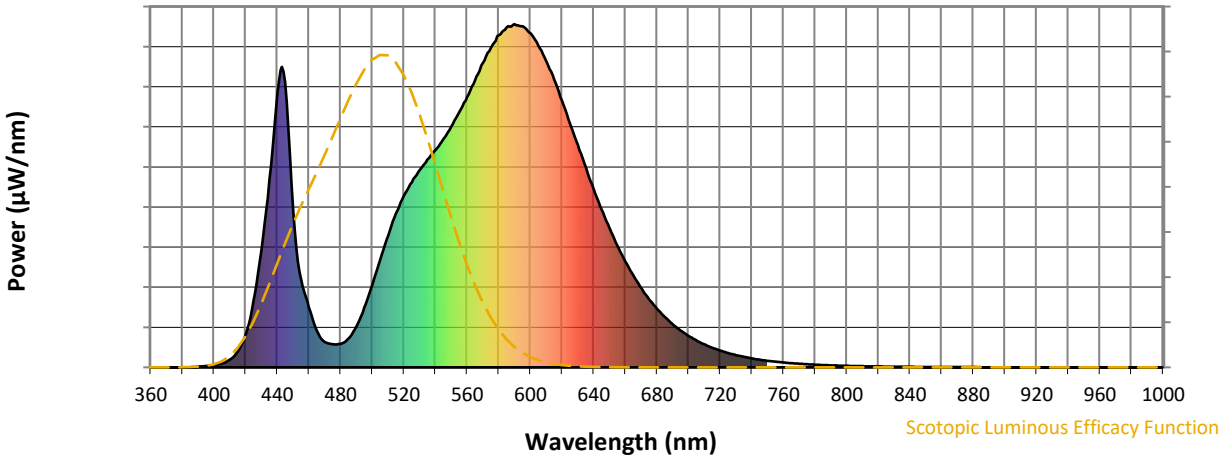


Photopic Lumens: NR

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

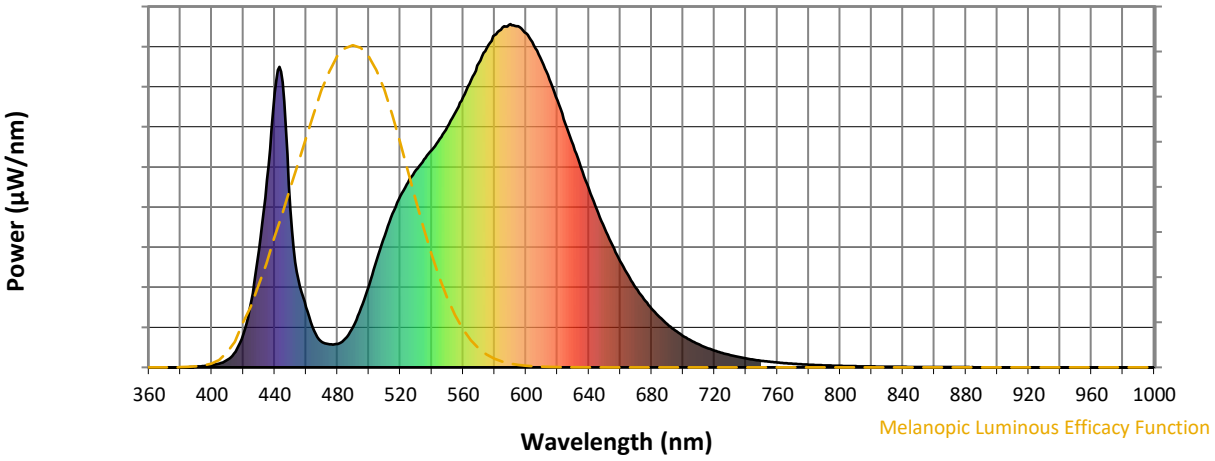


Scotopic Lumens: NR **S/P: 1.29**

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			

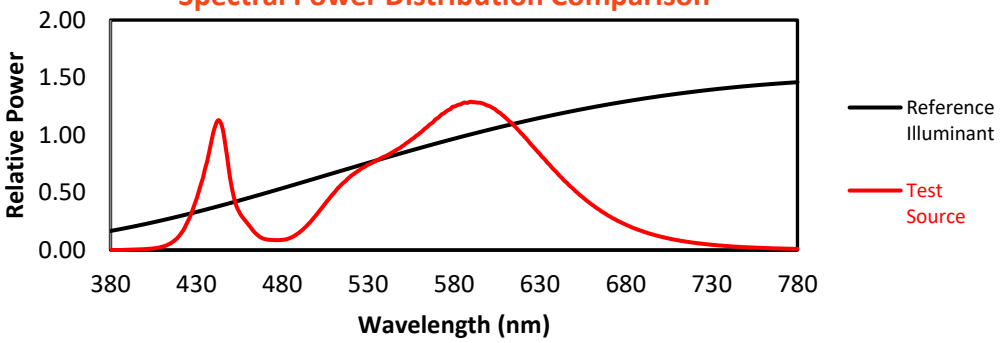
REPORT NUMBER: SP1-2407-184-5

TM-30-18

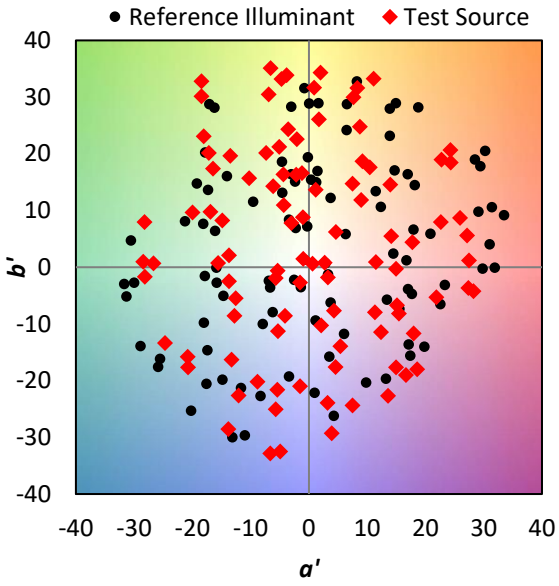
Summary

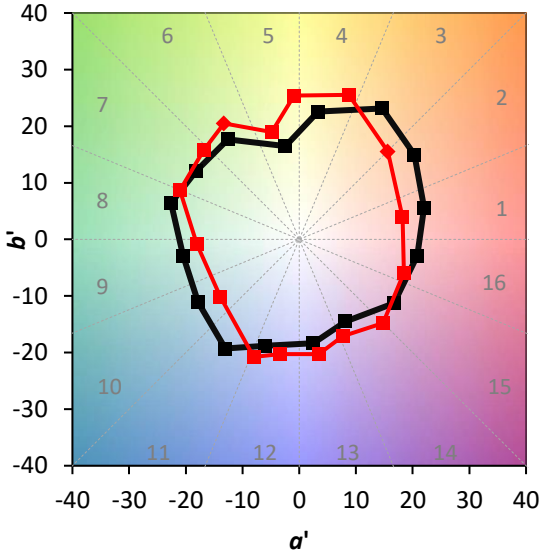
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

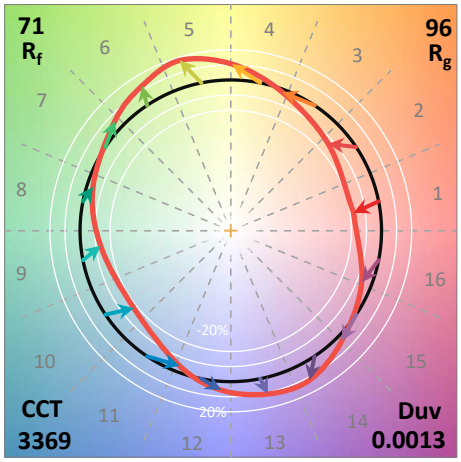
Spectral Power Distribution Comparison

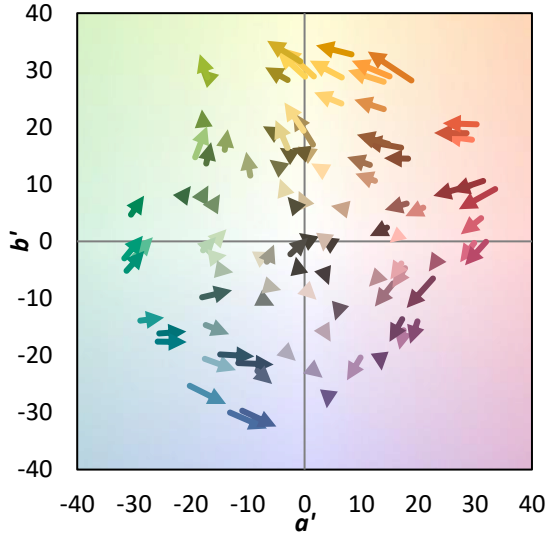


Color Vector Graphics







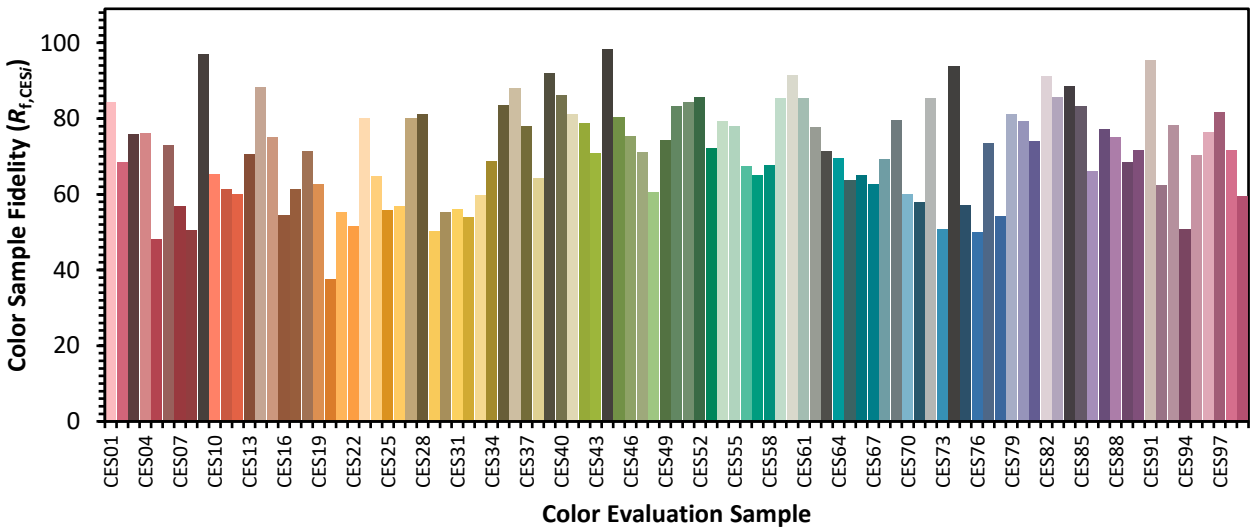


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

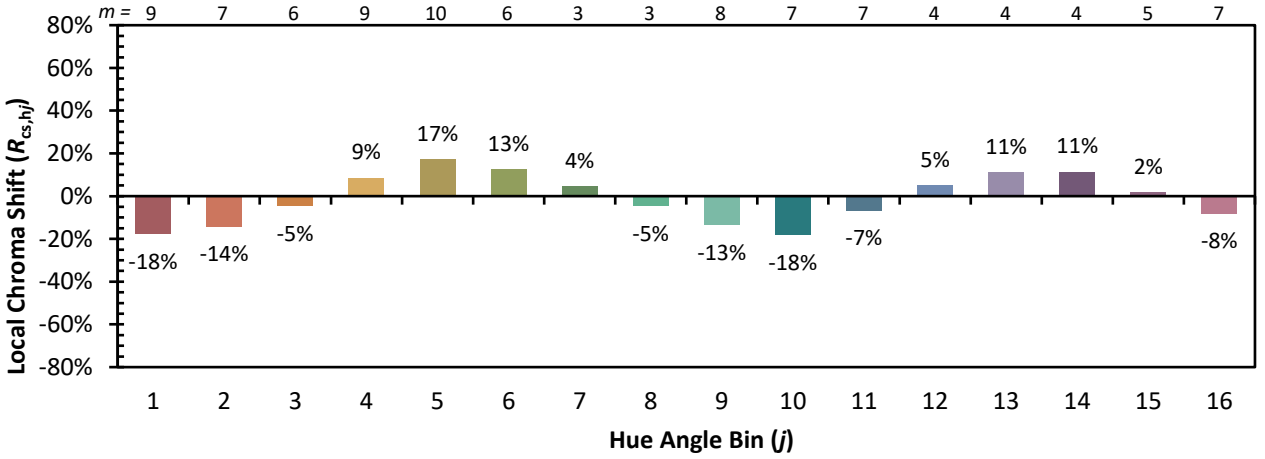
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	

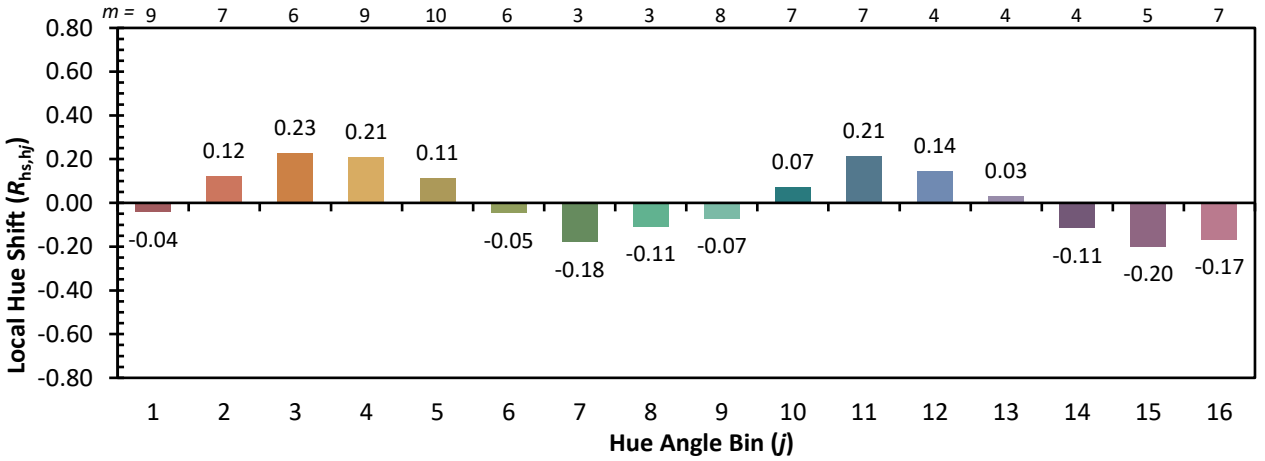


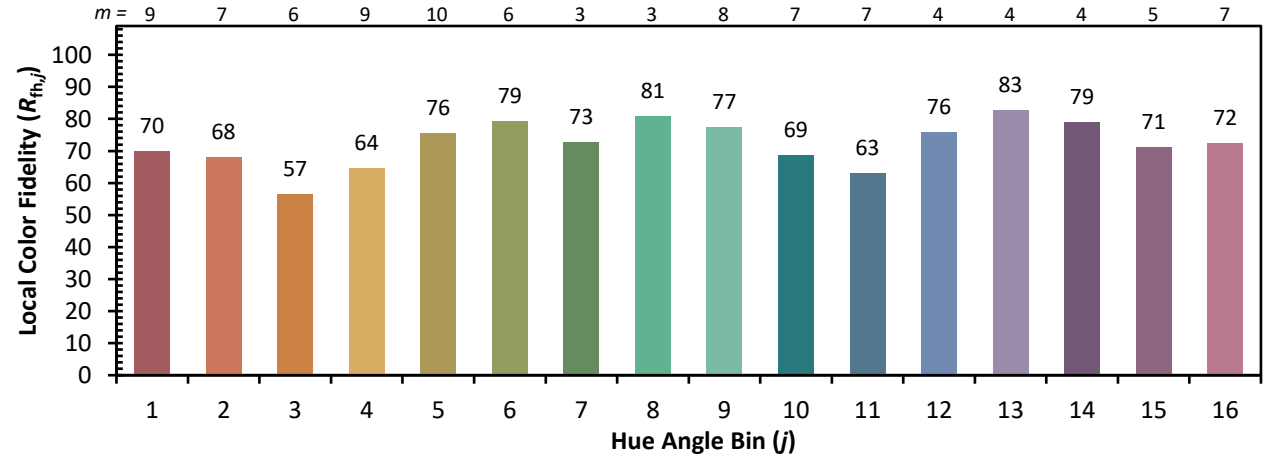
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



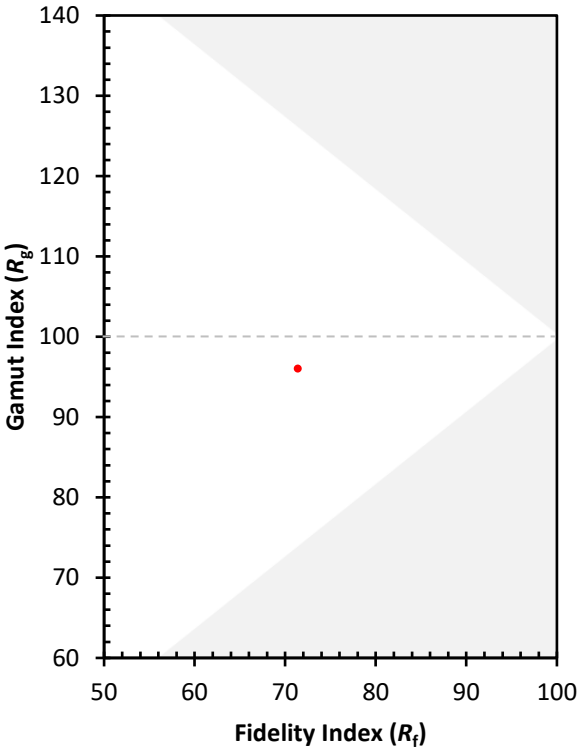


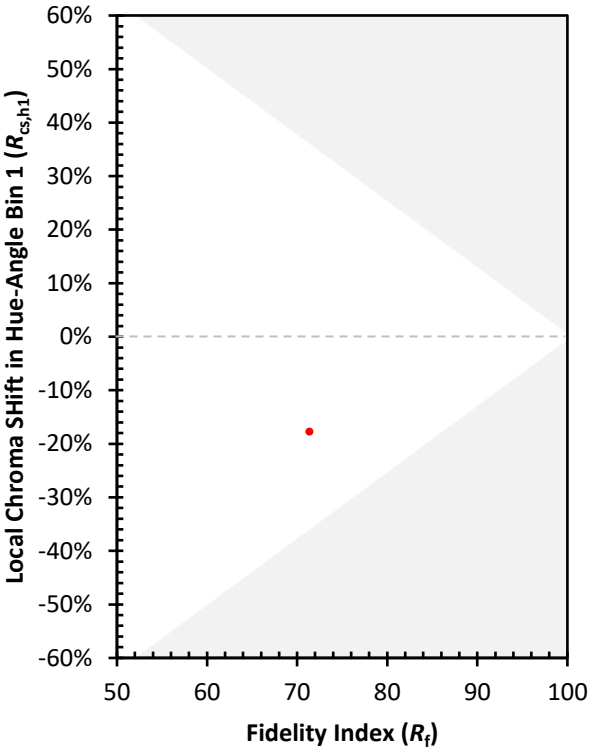


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)