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: P1366534

Luminaire Tested: **GSS-SB4D-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:	P1366534
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-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 238W 70CRI 3500K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(104) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	31859.3 lumens
Efficiency:	N/A
Efficacy:	133.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

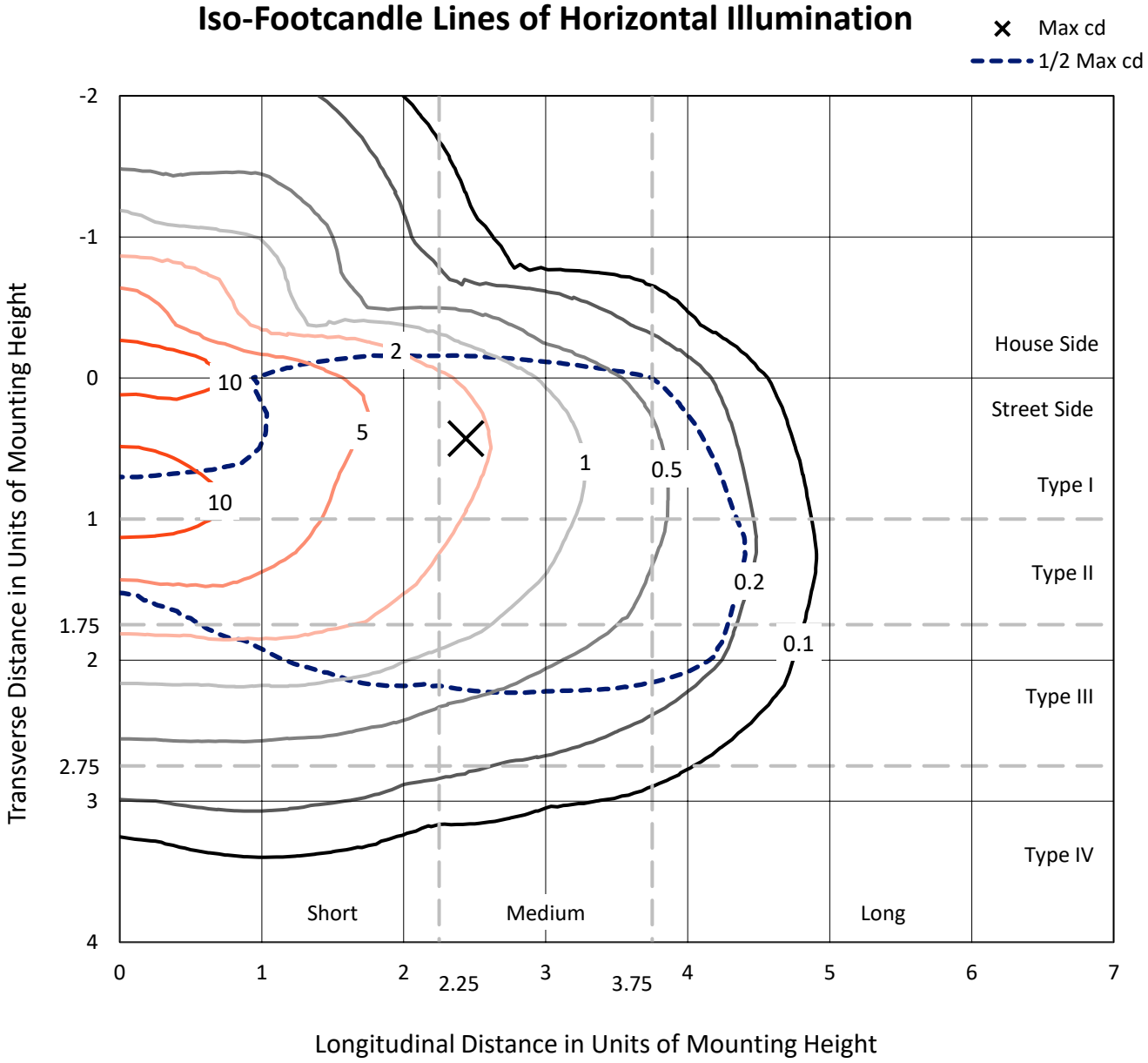
Input Watts (W):	238
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1366534
CATALOG NUMBER: GSS-SB4D-735-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



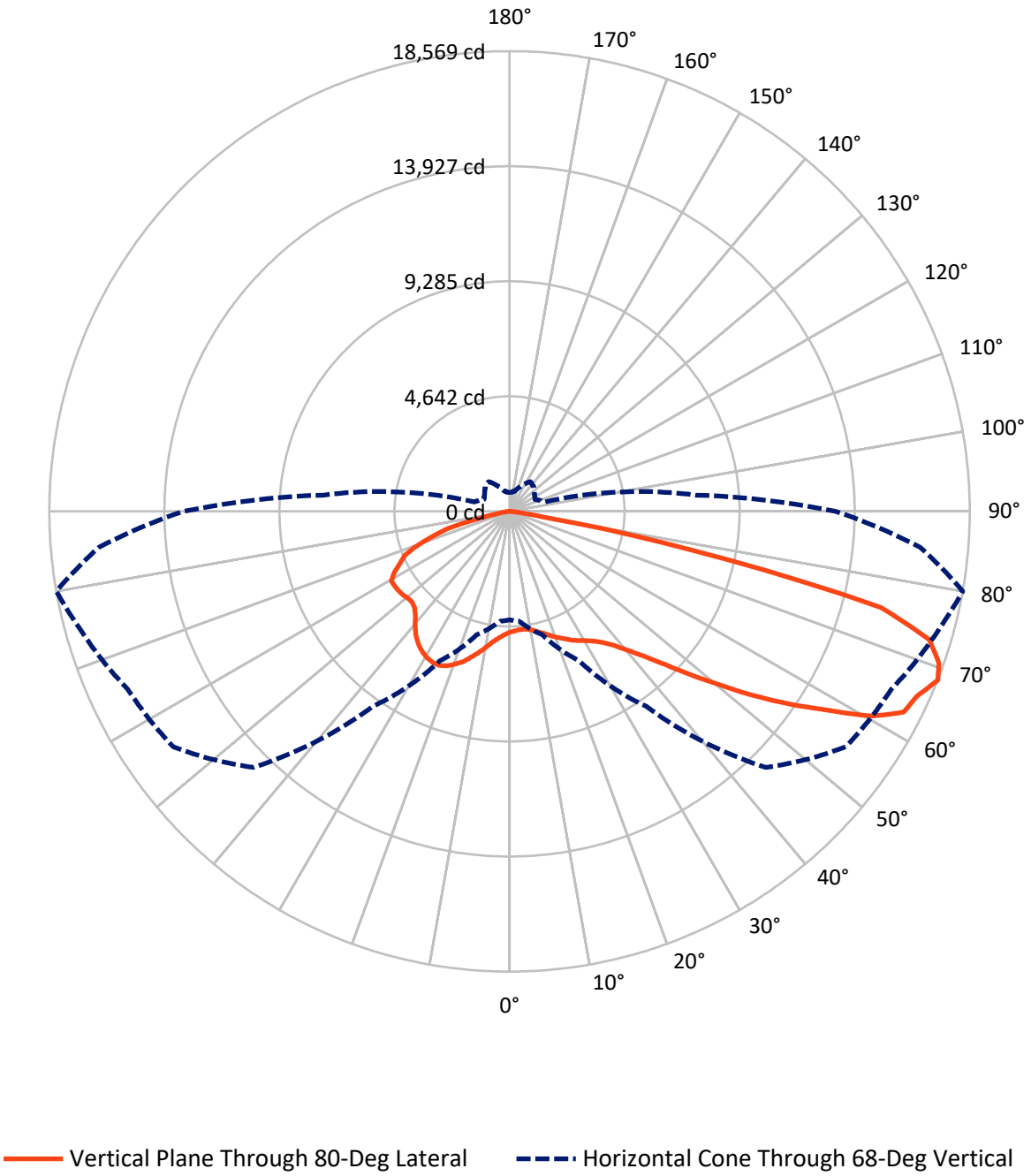
Based on 20 foot mounting height. Maximum calculated value = 13.8 fc
Type III - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1366534
CATALOG NUMBER: GSS-SB4D-735-U-T3R

Luminous Intensity Polar Plot



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

Scaled Data Report

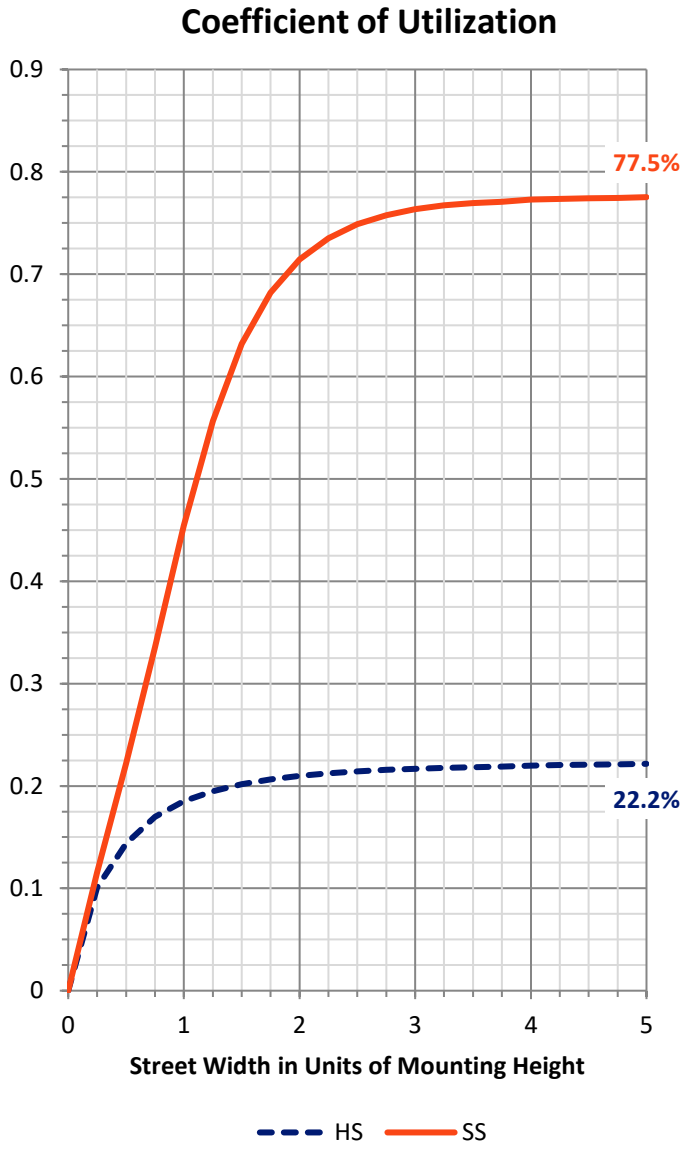
REPORT NUMBER: P1366534
CATALOG NUMBER: GSS-SB4D-735-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7119.3	0.0	7119.3
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	24740.0	0.0	24740.0
	% Fixture	77.7	0.0	77.7
Total	Lumens	31859.3	0.0	31859.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.1	1.5
10°-20°	1345.0	4.2
20°-30°	2217.8	7.0
30°-40°	3404.9	10.7
40°-50°	5257.3	16.5
50°-60°	7261.5	22.8
60°-70°	7442.3	23.4
70°-80°	4215.0	13.2
80°-90°	244.4	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°	31859.3	100.0
0°-180°	31859.3	100.0



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

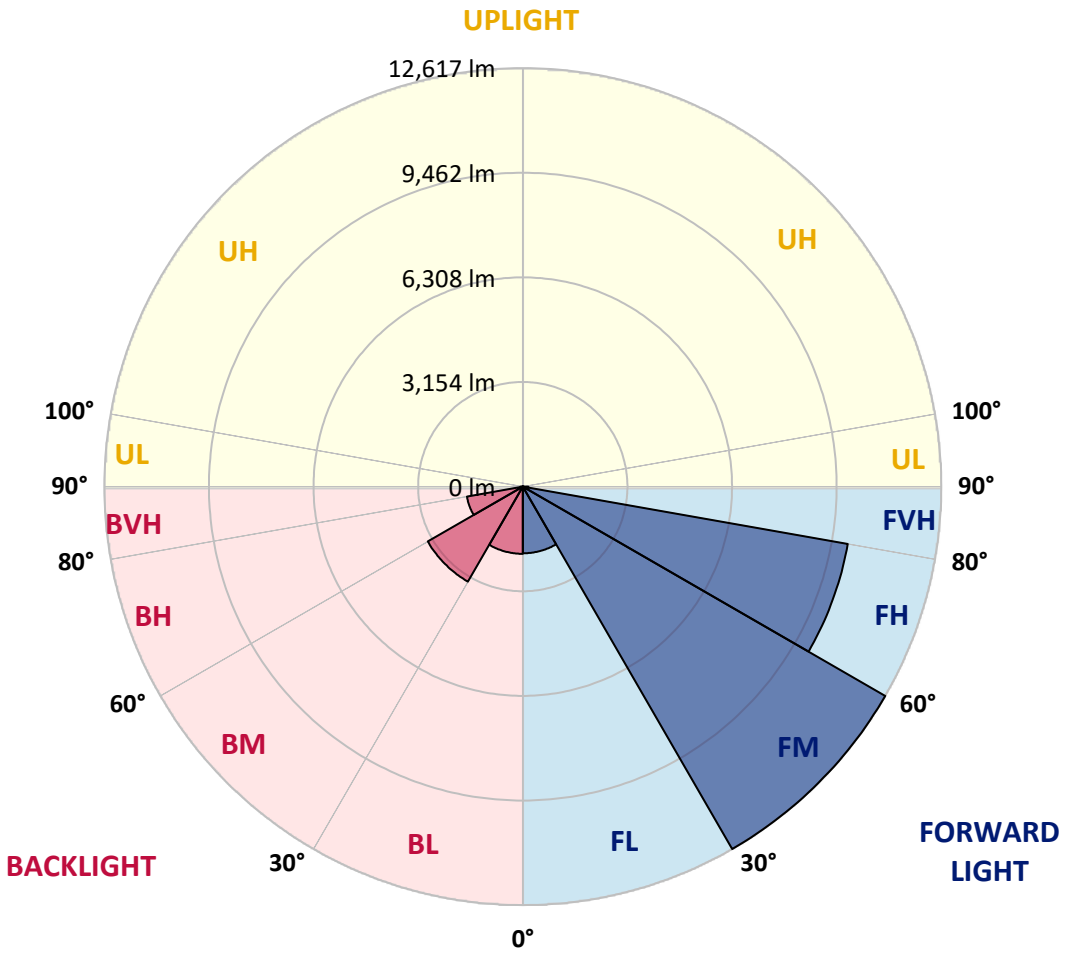
Scaled Data Report

REPORT NUMBER: P1366534
CATALOG NUMBER: GSS-SB4D-735-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2008.6	6.3			
FM	(30°-60°)	12616.5	39.6			
FH	(60°-80°)	9946.4	31.2			G4/12000
FVH	(80°-90°)	168.5	0.5			G2/225
BL	(0°-30°)	2025.3	6.4	B3/2500		
BM	(30°-60°)	3307.2	10.4	B3/5000		
BH	(60°-80°)	1711.0	5.4	B3/2500		G3/2500
BVH	(80°-90°)	75.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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

Scaled Data Report

REPORT NUMBER: P1366534
CATALOG NUMBER: GSS-SB4D-735-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	*4867.1*	4867.1
2.5°	4525.2	4510.4	4503.0	4517.8	4540.1	4584.7	4636.7	4673.9	4763.0	*4815.0*	4859.6
5°	4287.5	4280.0	4280.0	4317.2	4354.3	4406.4	4480.7	4547.5	4681.3	*4785.3*	4859.6
7.5°	4005.1	3997.7	3997.7	4079.4	4153.7	4272.6	4391.5	4503.0	4666.4	*4800.2*	4919.1
10°	3707.9	3707.9	3722.7	3826.8	3953.1	4124.0	4324.6	4495.5	4703.6	*4859.6*	5023.1
12.5°	3581.6	3574.1	3581.6	3678.2	3804.5	4034.8	4265.2	4525.2	4777.9	*4978.5*	5171.7
15°	3611.3	3596.4	3581.6	3663.3	3759.9	3990.2	4265.2	4584.7	4904.2	*5097.4*	5364.9
17.5°	3767.3	3759.9	3715.3	3737.6	3804.5	4012.5	4302.3	4673.9	5030.5	*5260.9*	5550.7
20°	4072.0	4049.7	3982.8	3945.7	3953.1	4086.8	4369.2	4792.8	5149.4	*5424.4*	5751.3
22.5°	4577.3	4562.4	4450.9	4302.3	4205.7	4242.9	4488.1	4926.5	5312.9	*5573.0*	5981.7
25°	5246.0	5208.9	5038.0	4800.2	4577.3	4495.5	4636.7	5104.8	5468.9	*5751.3*	6197.1
27.5°	5959.4	5966.8	5810.7	5454.1	5067.7	4792.8	4829.9	5283.2	5647.3	*5899.9*	6382.9
30°	6791.6	6754.4	6583.5	6212.0	5647.3	5186.6	5030.5	5454.1	5810.7	*6048.5*	6605.8
32.5°	7891.3	7898.8	7594.1	7021.9	6316.0	5669.6	5290.6	5632.4	5996.5	*6241.7*	6880.8
35°	9221.4	9191.7	8827.6	8136.5	7178.0	6226.9	5625.0	5862.8	6219.4	*6494.4*	7200.3
37.5°	10410.3	10328.6	10113.1	9451.8	8262.9	6984.8	6078.3	6167.4	6568.7	*6858.5*	7675.8
40°	11472.9	11435.7	11398.6	10893.3	9503.8	7928.5	6672.7	6635.5	6999.6	*7378.6*	8262.9
42.5°	12349.7	12342.3	12357.1	12245.7	11019.6	9109.9	7504.9	7244.9	7609.0	*7995.4*	8953.9
45°	12988.7	12973.9	13129.9	13360.3	12498.3	10521.8	8485.8	8002.8	8381.7	*8820.2*	9830.7
47.5°	13672.3	13679.8	13895.3	14281.7	13939.8	11926.2	9600.4	8946.5	9288.3	*9845.6*	10878.4
50°	13939.8	13939.8	14452.6	15002.4	15099.0	13419.7	10930.4	10068.5	10417.7	*11012.2*	11933.6
52.5°	13360.3	13471.7	14370.8	15403.7	15857.0	14801.8	12334.8	11287.1	11584.3	*12349.7*	12981.3
55°	10120.5	10514.3	13746.7	15210.5	16139.3	15886.7	13731.8	12639.5	12966.4	*13724.4*	14058.7
57.5°	8738.4	8842.4	10781.8	14534.3	15782.6	16473.7	15024.7	14081.0	14378.3	*15121.3*	15180.8
60°	7683.3	7824.4	9013.3	13390.0	15076.7	16414.2	16102.2	15411.1	15827.2	*16770.9*	16317.6
62.5°	6226.9	6375.5	7378.6	10700.1	14147.9	15998.1	16941.8	16666.9	17060.7	*17848.4*	16785.8
65°	5483.8	5535.8	6256.6	8203.4	12438.9	15641.5	17372.8	17201.9	17372.8	*18034.1*	16548.0
67.5°	4569.8	4673.9	5372.3	6962.5	10046.2	14883.5	16733.8	16979.0	17826.1	*18480.0*	16726.3
68°	*4376.6*	*4450.9*	*5164.3*	*6657.8*	*9600.4*	*14608.6*	*16562.9*	*16993.8*	*18004.4*	*18569.1*	*16629.7*
70°	3574.1	3678.2	4309.8	5580.4	8047.4	11695.8	15894.1	17283.6	18130.7	*18383.4*	16102.2
72.5°	1768.5	1954.3	2972.2	3938.2	5810.7	8456.0	13932.4	16912.1	17870.6	*17714.6*	14987.6
75°	624.2	668.8	1389.5	2132.6	2816.2	5476.4	9853.0	15418.5	16384.5	*15470.6*	12565.2
77.5°	445.8	483.0	787.6	1077.4	1159.2	2749.3	6316.0	10194.8	9689.5	*7504.9*	5721.6
80°	349.2	379.0	587.0	601.9	579.6	966.0	2154.9	3091.1	2177.2	*1367.2*	988.3
82.5°	215.5	260.1	438.4	364.1	267.5	304.7	505.3	832.2	594.4	*379.0*	304.7
85°	81.7	104.0	200.6	141.2	89.2	118.9	170.9	222.9	170.9	*126.3*	111.5
87.5°	7.4	7.4	14.9	14.9	22.3	29.7	44.6	59.4	66.9	*66.9*	66.9
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: P1366534
CATALOG NUMBER: GSS-SB4D-735-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1	4867.1
2.5°	4889.4	4911.6	5008.2	5060.3	5156.9	5231.2	5275.7	5298.0	5320.3	5335.2	5327.8
5°	4941.4	5008.2	5194.0	5335.2	5446.6	5521.0	5558.1	5587.8	5595.3	5610.1	5602.7
7.5°	5038.0	5142.0	5424.4	5587.8	5684.4	5714.1	5684.4	5669.6	5647.3	5625.0	5625.0
10°	5194.0	5357.5	5691.9	5810.7	5818.2	5773.6	5677.0	5565.5	5483.8	5454.1	5439.2
12.5°	5394.6	5625.0	5966.8	5996.5	5899.9	5691.9	5416.9	5186.6	5038.0	4926.5	4919.1
15°	5639.8	5907.3	6204.6	6115.4	5840.5	5402.1	4948.8	4621.8	4450.9	4354.3	4309.8
17.5°	5892.5	6234.3	6420.1	6174.8	5595.3	4881.9	4339.5	4079.4	3923.4	3871.4	3834.2
20°	6174.8	6501.8	6568.7	6085.7	5149.4	4302.3	3811.9	3648.4	3648.4	3633.6	3618.7
22.5°	6464.6	6776.7	6650.4	5840.5	4562.4	3730.2	3432.9	3492.4	3596.4	3626.1	3626.1
25°	6732.1	7014.5	6650.4	5402.1	3863.9	3262.0	3284.3	3425.5	3559.3	3633.6	3633.6
27.5°	6992.2	7163.1	6516.7	4785.3	3232.3	3024.3	3158.0	3328.9	3544.4	3655.9	3663.3
30°	7252.3	7274.6	6278.9	3997.7	2779.1	2853.4	3009.4	3232.3	3470.1	3611.3	3626.1
32.5°	7527.2	7378.6	5944.5	3217.5	2571.0	2689.9	2875.7	3054.0	3239.8	3343.8	3351.2
35°	7839.3	7475.2	5513.5	2615.6	2437.2	2578.4	2719.6	2779.1	2831.1	2890.5	2927.7
37.5°	8181.1	7601.5	4948.8	2310.9	2310.9	2474.4	2556.1	2437.2	2422.4	2415.0	2392.7
40°	8560.1	7735.3	4242.9	2154.9	2214.3	2362.9	2296.1	2154.9	2050.9	1939.4	1946.8
42.5°	9035.6	7906.2	3440.4	2080.6	2147.5	2273.8	2088.0	1917.1	1634.7	1560.4	1575.3
45°	9578.1	8121.7	2801.3	2013.7	2095.4	2192.0	1946.8	1619.9	1441.5	1515.8	1567.9
47.5°	10150.2	8404.0	2340.6	1961.7	2073.1	2095.4	1857.7	1486.1	1367.2	1530.7	1597.6
50°	10826.4	8664.1	2125.2	1909.7	2065.7	2065.7	1701.6	1463.8	1307.8	1449.0	1515.8
52.5°	11510.0	8916.7	2013.7	1850.2	2043.4	2058.3	1664.5	1434.1	1226.1	1270.6	1300.4
55°	12178.8	9057.9	1954.3	1768.5	2021.1	2021.1	1679.3	1382.1	1144.3	1144.3	1159.2
57.5°	12855.0	9154.5	1902.2	1671.9	1946.8	1909.7	1679.3	1344.9	1114.6	1084.9	1099.7
60°	13605.5	9214.0	1850.2	1560.4	1842.8	1775.9	1671.9	1315.2	1077.4	1032.9	1040.3
62.5°	13724.4	8797.9	1753.6	1441.5	1701.6	1664.5	1642.2	1278.1	1018.0	928.8	928.8
65°	13300.8	8173.7	1634.7	1292.9	1515.8	1553.0	1582.7	1233.5	958.6	854.5	862.0
67.5°	13256.2	7705.6	1508.4	1159.2	1270.6	1411.8	1508.4	1159.2	869.4	780.2	772.8
68°	*13152.2*	*7534.7*	*1471.3*	*1129.5*	*1226.1*	*1382.1*	*1463.8*	*1129.5*	*854.5*	*765.4*	*765.4*
70°	12483.4	6791.6	1248.3	995.7	1084.9	1129.5	1285.5	1003.1	765.4	691.0	698.5
72.5°	11183.1	5535.8	958.6	809.9	869.4	869.4	1114.6	928.8	698.5	631.6	631.6
75°	9325.4	4376.6	728.2	639.0	609.3	705.9	906.5	839.7	616.7	564.7	542.4
77.5°	4235.5	1887.4	475.6	445.8	453.3	549.9	720.8	720.8	587.0	460.7	408.7
80°	936.3	587.0	289.8	267.5	267.5	349.2	505.3	520.1	423.5	319.5	274.9
82.5°	312.1	237.8	178.3	163.5	156.0	185.8	312.1	341.8	252.6	185.8	185.8
85°	118.9	111.5	96.6	89.2	74.3	74.3	96.6	156.0	133.8	89.2	89.2
87.5°	59.4	59.4	52.0	37.2	29.7	22.3	14.9	14.9	14.9	22.3	14.9
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

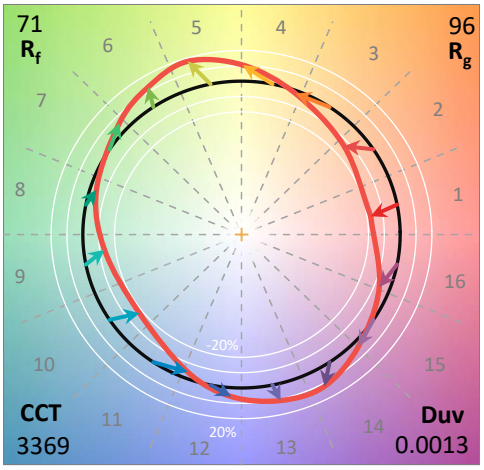
Test Information

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

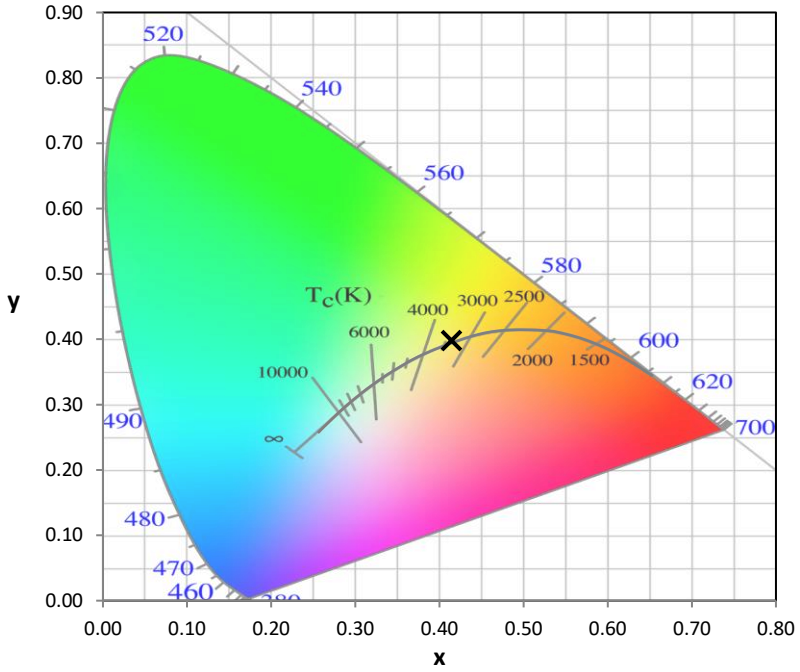
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

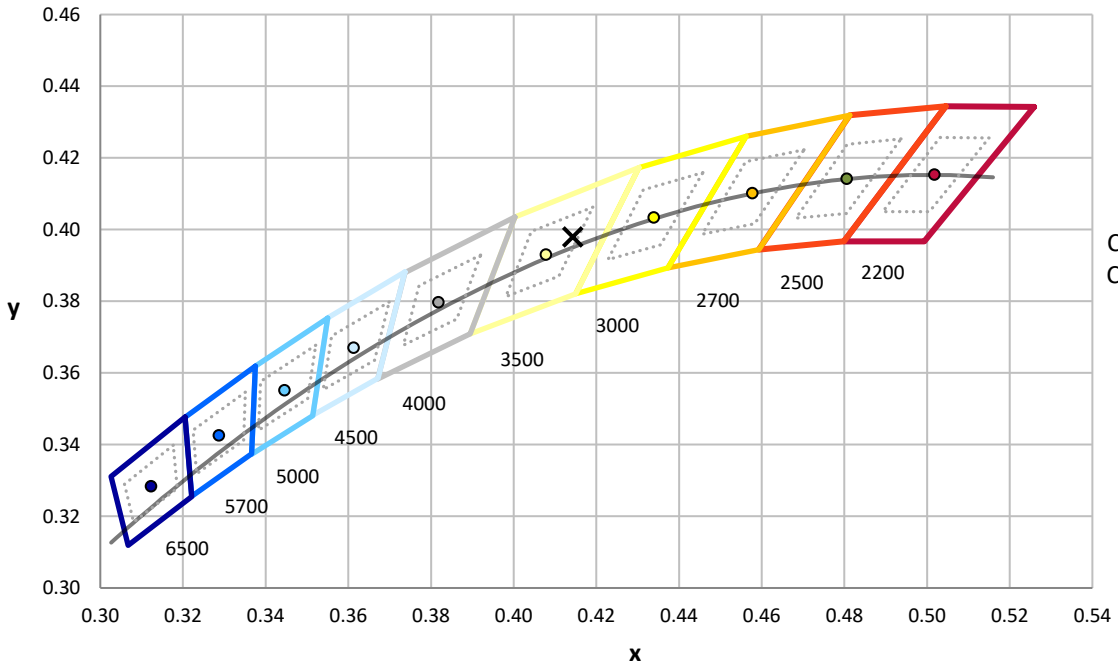
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

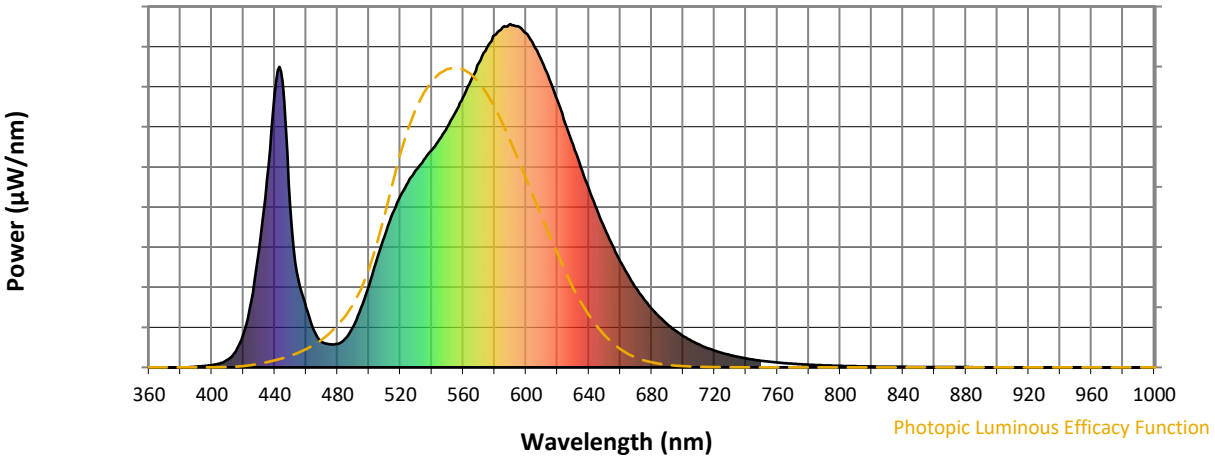


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

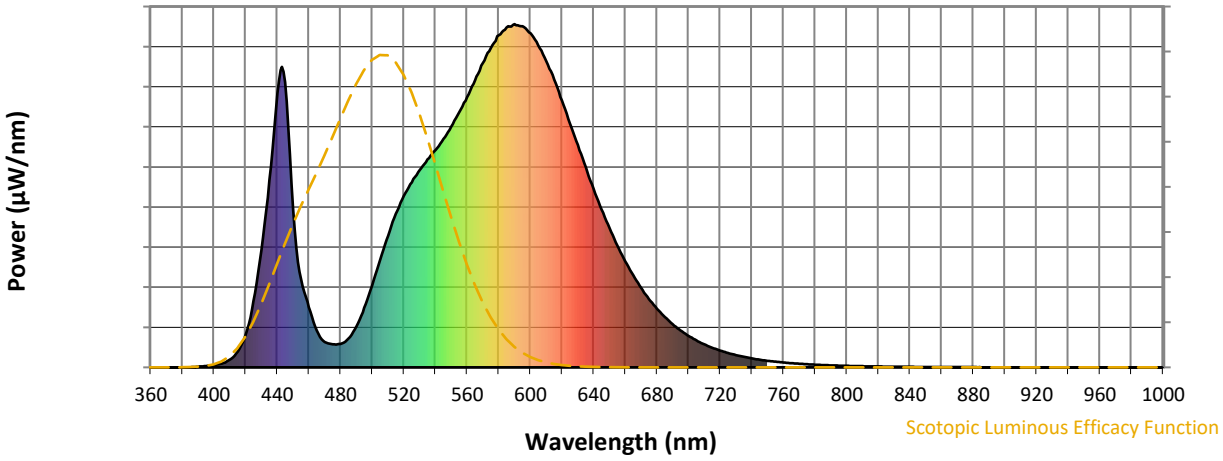


Photopic Lumens: NR

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

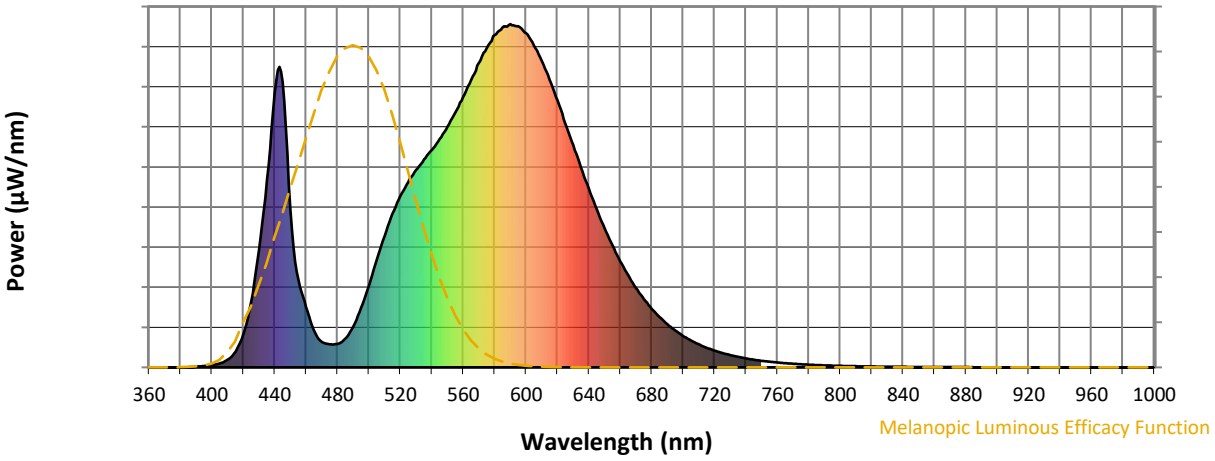


Scotopic Lumens: NR **S/P: 1.29**

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			

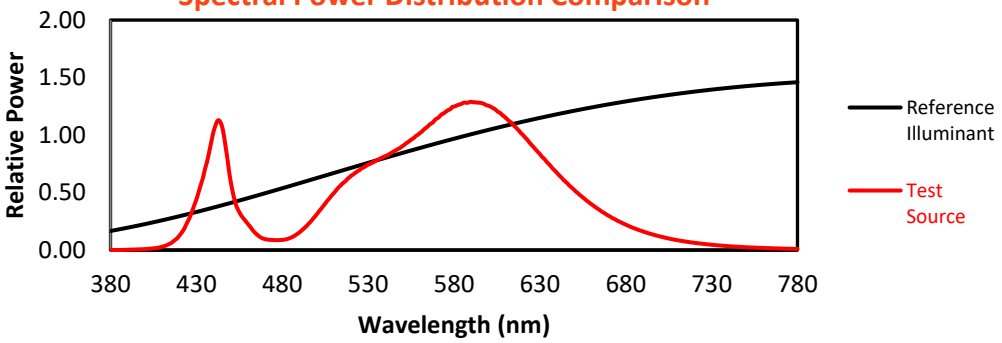
REPORT NUMBER: SP1-2407-184-5

TM-30-18

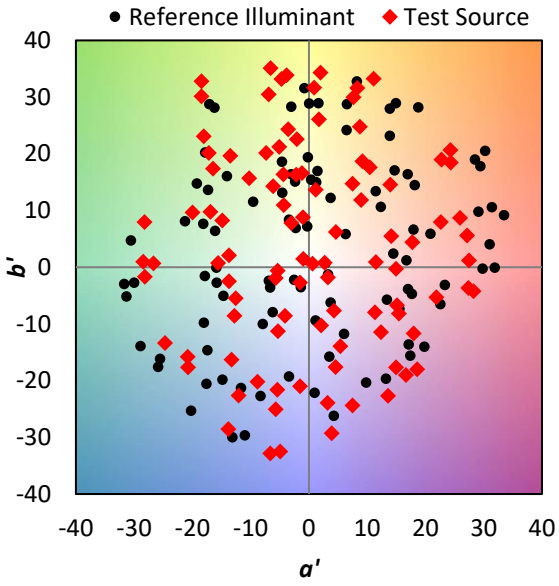
Summary

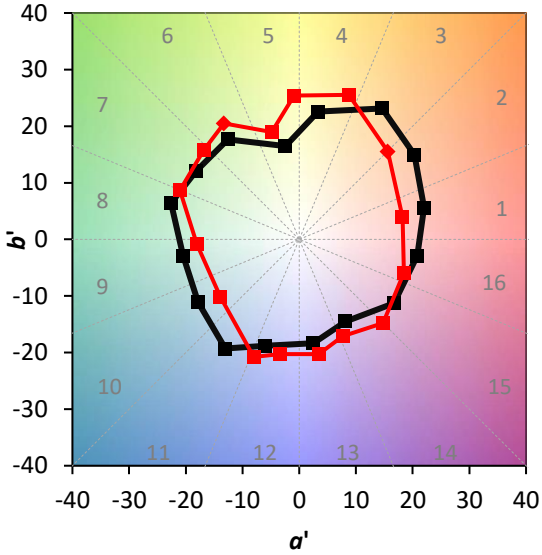
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

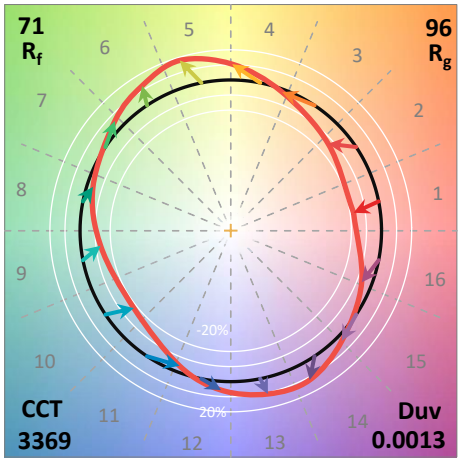
Spectral Power Distribution Comparison

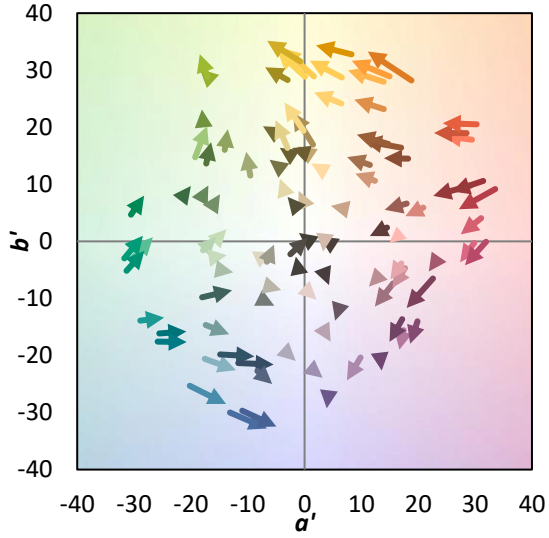


Color Vector Graphics







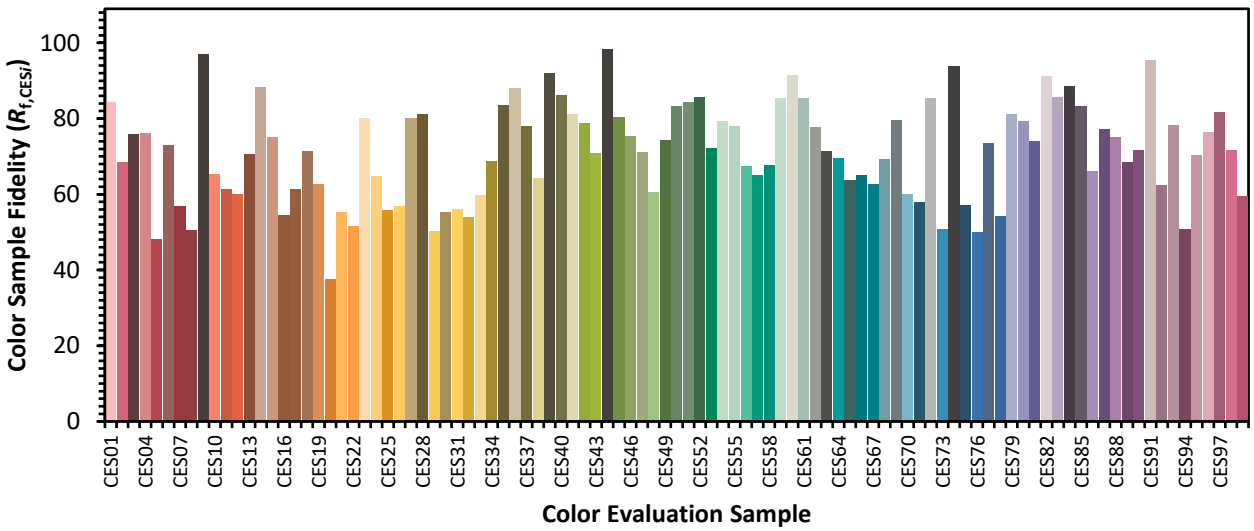


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

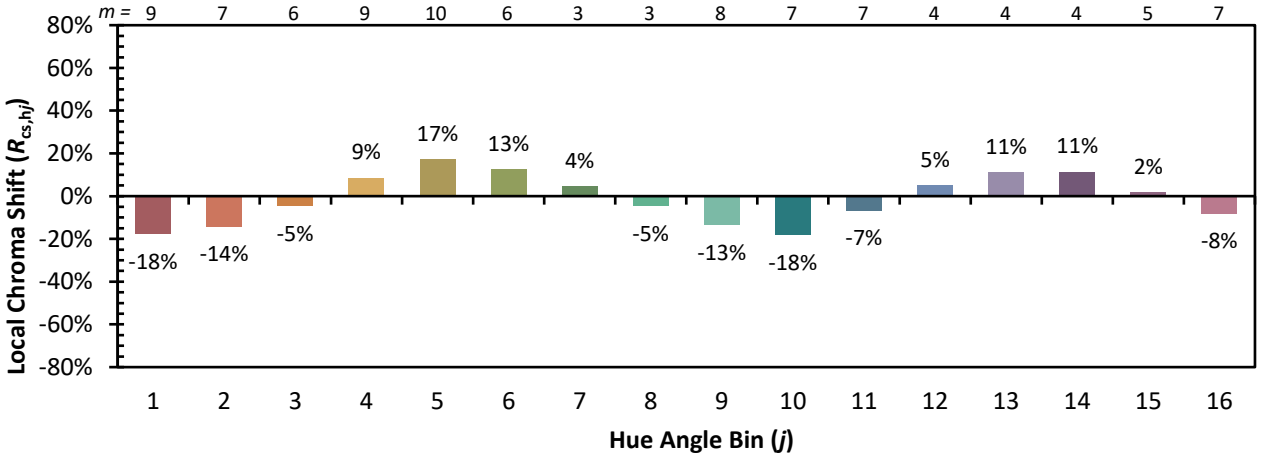
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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

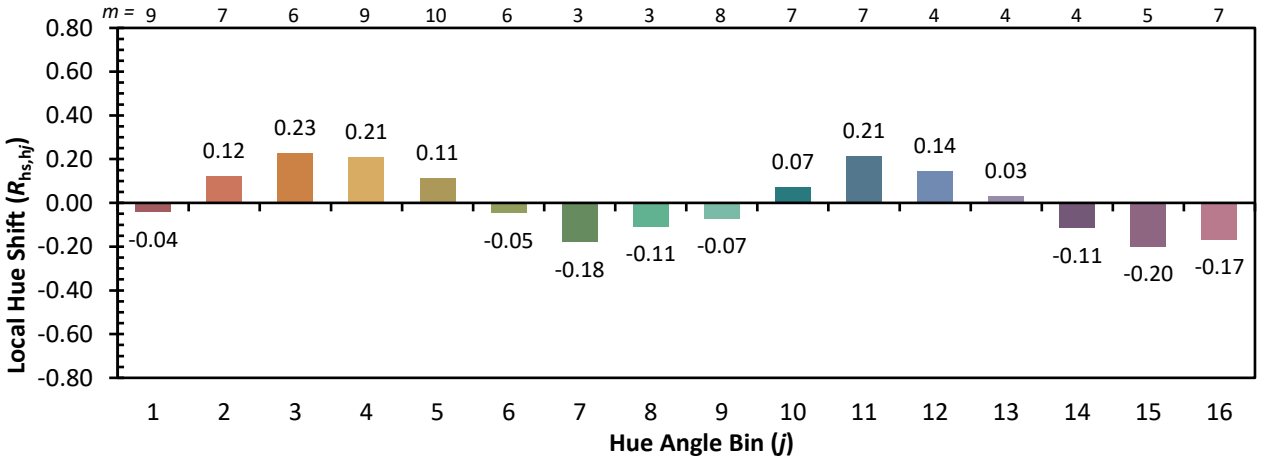


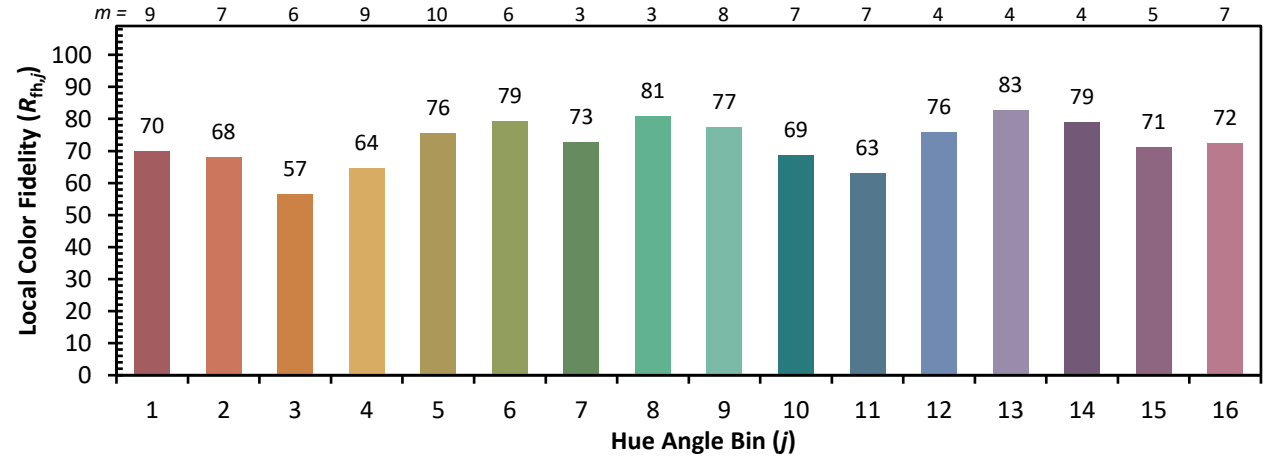
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



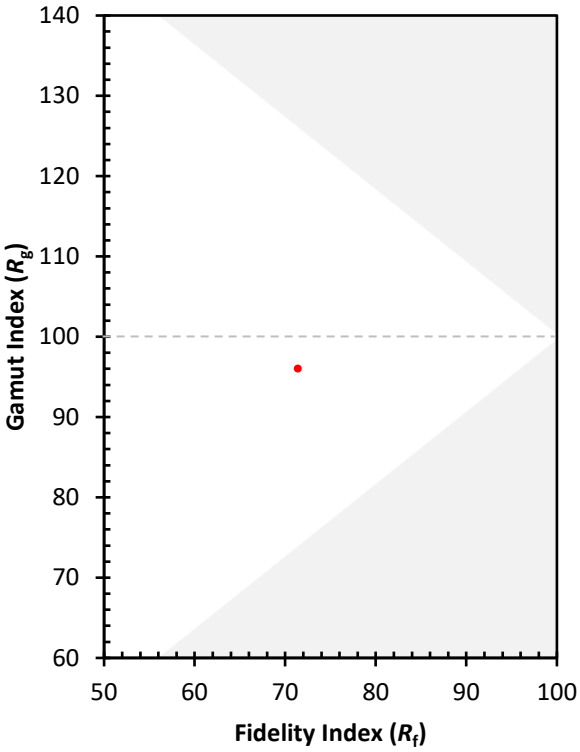


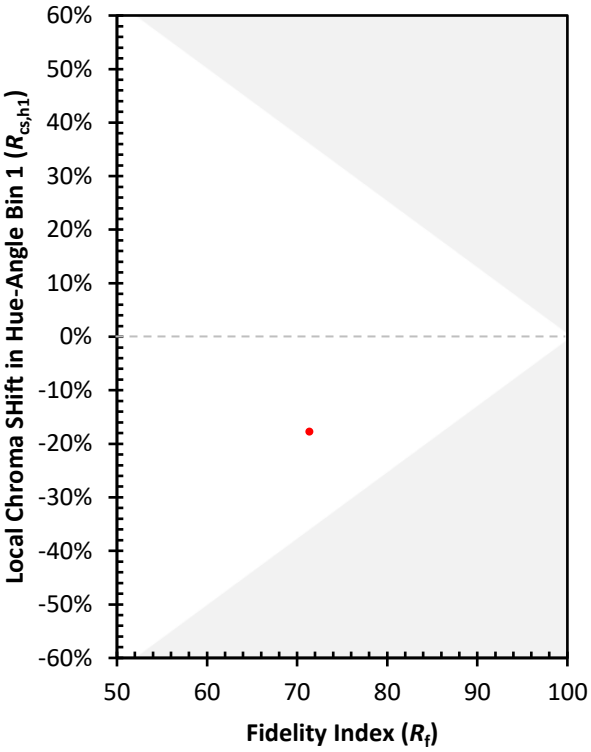


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)