

Signify Classified - Internal
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: P1048501

Luminaire Tested: **GALN-SA4A-827-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048501
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-827-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12707 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

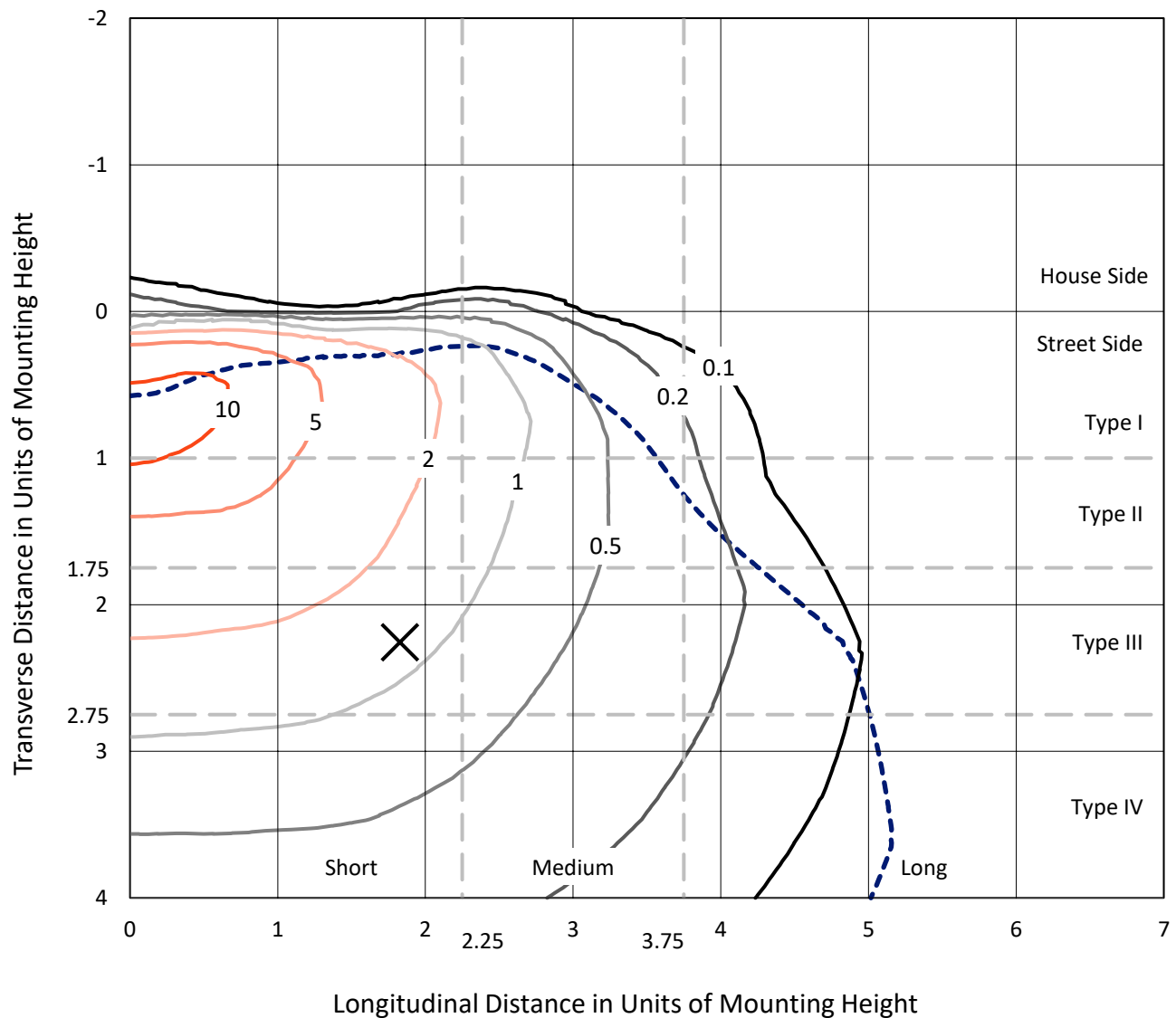


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

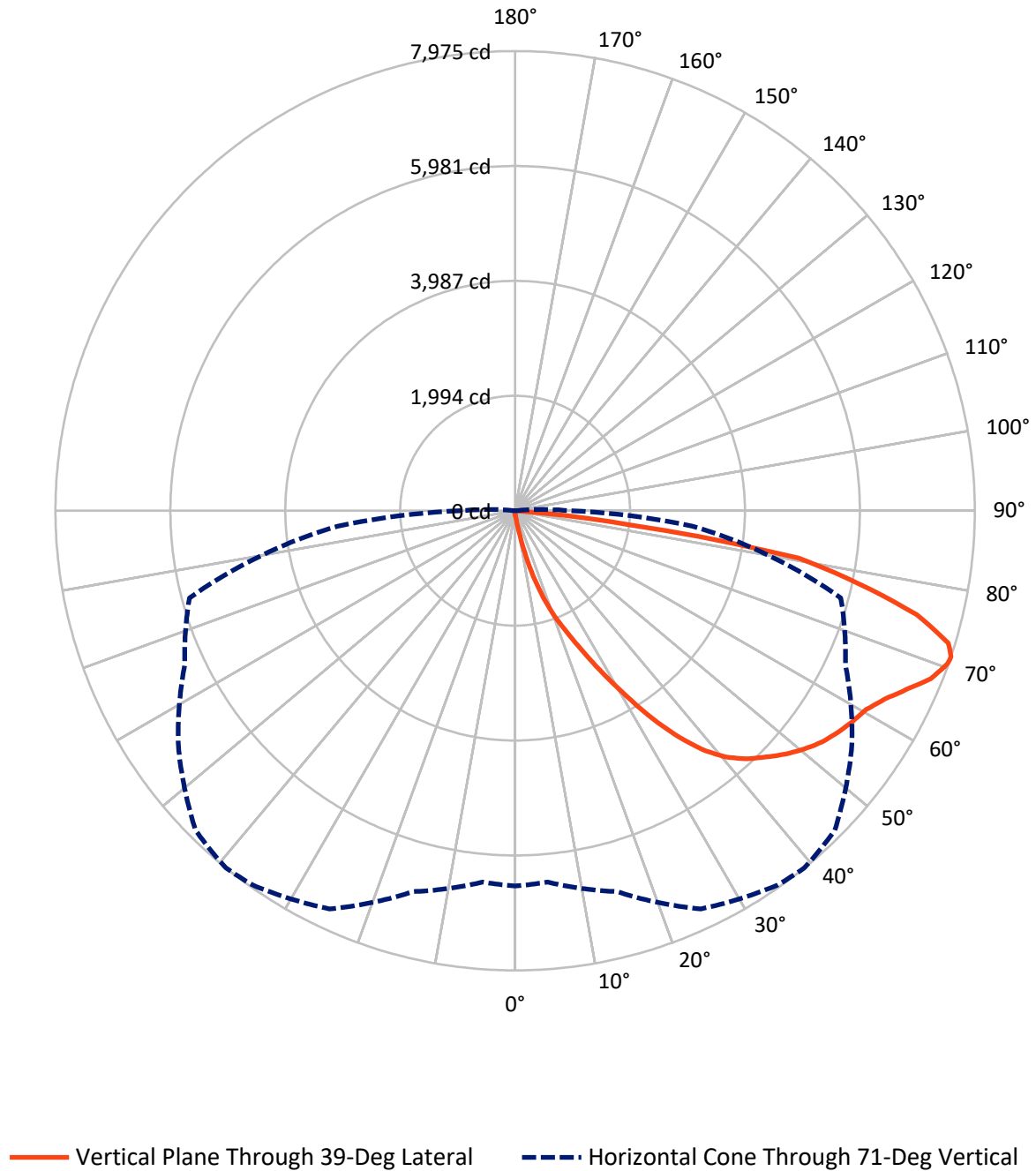


Based on 15 foot mounting height. Maximum calculated value = 13.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.2	0.0	45.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12661.8	0.0	12661.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	12707.0	0.0	12707.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.6	0.1
10°-20°	135.8	1.1
20°-30°	483.7	3.8
30°-40°	1165.7	9.2
40°-50°	1950.8	15.4
50°-60°	2505.6	19.7
60°-70°	3170.9	25.0
70°-80°	2827.0	22.2
80°-90°	457.0	3.6
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°	12707.0	100.0
0°-180°	12707.0	100.0



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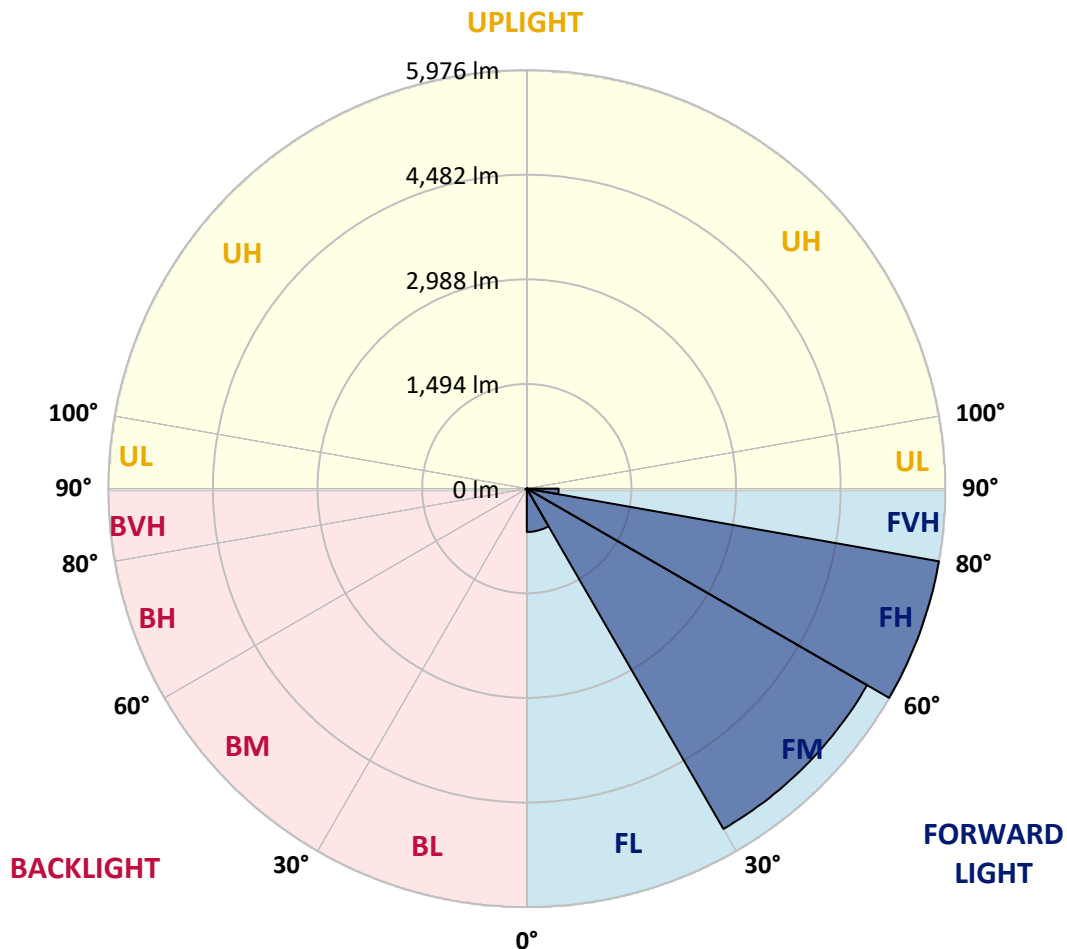
CATALOG NUMBER: GALN-SA4A-827-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	619.2	4.9			
FM	(30°-60°)	5611.6	44.2			
FH	(60°-80°)	5976.1	47.0			G3/7500
FVH	(80°-90°)	454.9	3.6			G3/500
BL	(0°-30°)	10.9	0.1	B0/110		
BM	(30°-60°)	10.4	0.1	B0/220		
BH	(60°-80°)	21.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
2.5°	80.0	80.0	80.0	77.4	77.4	76.6	75.7	75.7	74.0	73.1	71.4
5°	121.3	118.7	112.7	109.2	102.4	98.1	93.8	87.7	81.7	77.4	72.3
7.5°	274.4	280.4	260.6	223.7	185.8	169.5	141.9	114.4	94.6	81.7	73.1
10°	699.3	695.9	628.8	554.8	428.4	377.6	295.9	186.7	122.1	89.5	74.0
12.5°	1189.6	1186.2	1107.1	1006.4	839.5	733.7	578.9	348.4	175.5	101.5	74.0
15°	1601.7	1587.9	1563.0	1463.2	1267.9	1179.3	974.6	615.9	283.9	122.1	75.7
17.5°	1874.4	1862.3	1839.1	1803.0	1679.1	1574.2	1409.9	967.7	459.3	158.3	79.1
20°	2124.7	2116.1	2097.2	2090.3	2010.3	1954.4	1818.4	1372.0	715.7	215.0	84.3
22.5°	2468.8	2450.7	2458.4	2417.1	2338.9	2271.8	2188.3	1795.2	1028.8	309.7	93.8
25°	2890.3	2881.6	2860.1	2830.9	2722.5	2664.0	2535.9	2194.4	1378.9	433.5	104.1
27.5°	3399.5	3390.0	3384.9	3317.8	3193.0	3129.4	2950.5	2571.1	1772.9	607.3	117.8
30°	3986.1	3990.4	3956.9	3870.9	3725.5	3636.0	3452.0	2965.9	2176.3	811.2	132.5
32.5°	4593.4	4584.8	4533.2	4431.7	4301.8	4218.4	3984.4	3398.6	2599.5	1080.4	149.7
35°	5248.0	5231.7	5095.8	4979.7	4868.7	4763.8	4550.4	3901.0	3022.7	1382.3	172.9
37.5°	5908.7	5832.1	5559.4	5412.3	5335.8	5249.8	5051.1	4436.9	3443.4	1719.5	201.3
40°	6407.6	6348.2	6024.8	5753.8	5692.8	5619.6	5471.7	4899.7	3890.7	2081.7	235.7
42.5°	6683.7	6651.0	6360.3	6092.8	5949.1	5884.6	5758.1	5304.0	4332.8	2481.7	285.6
45°	6801.6	6750.8	6556.4	6431.7	6202.9	6096.2	5945.7	5609.3	4794.7	2935.8	355.3
47.5°	6765.4	6736.2	6596.8	6642.4	6476.4	6310.4	6089.3	5843.3	5189.5	3457.1	450.7
50°	6538.3	6513.4	6470.4	6717.3	6696.6	6500.5	6275.1	6028.2	5512.1	3994.7	598.7
52.5°	6106.5	6096.2	6206.3	6658.8	6821.3	6668.2	6454.0	6191.7	5813.2	4556.4	810.3
55°	5550.0	5592.1	5907.0	6567.6	6885.0	6792.1	6612.3	6344.8	6054.9	5058.8	1122.6
57.5°	5321.2	5332.3	5725.4	6503.1	6913.4	6901.3	6766.3	6491.0	6276.8	5460.5	1599.1
60°	5588.7	5571.5	5778.8	6552.1	6970.1	6999.4	6903.1	6626.9	6469.5	5805.4	2233.9
62.5°	6072.1	6062.6	6128.9	6761.1	7136.2	7195.5	7093.2	6725.0	6639.8	6032.5	2958.2
65°	6503.9	6484.1	6607.1	7131.9	7427.8	7469.9	7380.5	6892.7	6714.7	6197.7	3638.6
67.5°	6690.6	6686.3	6884.1	7484.5	7734.0	7779.6	7701.3	7124.1	6697.5	6250.2	3938.8
70°	6605.4	6589.1	6905.6	7634.2	7906.9	7958.5	7882.8	7210.1	6510.8	6084.2	3494.1
71°	6511.7	6467.8	6841.1	7623.9	7931.0	7974.9	7842.4	7131.9	6323.3	5848.5	3090.7
72.5°	6220.9	6228.7	6663.9	7516.4	7873.4	7860.5	7613.6	6851.4	6097.1	5313.4	2482.5
75°	5505.2	5550.8	6090.2	7064.8	7359.0	7194.7	6817.0	6315.5	5642.9	3809.8	1723.8
77.5°	4498.8	4566.8	5159.4	6196.0	6112.5	6096.2	6080.7	5564.6	4818.8	2046.4	1199.1
80°	2147.9	2295.0	3112.2	4423.1	4805.0	4990.0	4873.9	4484.2	3726.4	974.6	716.5
82.5°	140.2	138.5	196.1	371.6	1566.4	2024.9	3217.1	3205.1	2597.8	474.8	292.5
85°	66.2	68.0	74.8	85.2	98.9	108.4	149.7	877.4	1243.0	226.2	63.7
87.5°	38.7	39.6	46.5	59.4	77.4	86.0	102.4	131.6	161.7	124.7	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1048501

CATALOG NUMBER: GALN-SA4A-827-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
2.5°	70.5	69.7	67.1	64.5	61.9	60.2	59.4	60.2	60.2	61.1	61.1
5°	70.5	68.0	63.7	58.5	55.1	51.6	49.9	49.0	49.9	49.9	49.9
7.5°	69.7	65.4	59.4	53.3	49.0	44.7	43.0	42.1	42.1	43.0	43.0
10°	68.0	63.7	55.9	49.0	43.9	38.7	36.1	33.5	33.5	33.5	34.4
12.5°	67.1	61.1	51.6	44.7	37.8	31.8	26.7	24.1	24.9	24.9	24.9
15°	65.4	58.5	49.0	40.4	31.8	24.1	19.8	17.2	18.1	18.9	18.1
17.5°	65.4	57.6	45.6	35.3	24.9	18.1	14.6	12.9	12.9	13.8	13.8
20°	65.4	55.9	43.0	30.1	18.9	13.8	10.3	9.5	9.5	11.2	12.0
22.5°	67.1	55.9	39.6	24.9	15.5	10.3	7.7	6.9	7.7	9.5	10.3
25°	69.7	55.1	36.1	22.4	12.9	7.7	6.0	4.3	5.2	6.9	7.7
27.5°	72.3	54.2	32.7	19.8	10.3	6.0	4.3	3.4	2.6	3.4	3.4
30°	74.8	54.2	29.2	16.3	8.6	4.3	2.6	1.7	0.9	0.0	0.0
32.5°	76.6	52.5	26.7	12.9	6.9	3.4	1.7	0.9	0.0	0.0	0.0
35°	78.3	50.8	23.2	10.3	5.2	2.6	0.9	0.0	0.0	0.0	0.0
37.5°	80.0	48.2	19.8	8.6	4.3	1.7	0.0	0.0	0.0	0.0	0.0
40°	81.7	44.7	16.3	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	83.4	42.1	13.8	6.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	87.7	40.4	11.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	95.5	38.7	10.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	106.7	37.0	9.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	122.1	36.1	8.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	149.7	35.3	7.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	197.0	34.4	7.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	301.9	32.7	7.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	539.3	31.8	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	940.2	32.7	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1347.9	34.4	6.0	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	1153.5	30.1	6.0	3.4	1.7	0.9	0.0	0.0	0.0	0.0	0.0
71°	940.2	26.7	6.0	3.4	1.7	0.9	0.9	0.0	0.0	0.0	0.0
72.5°	604.7	20.6	5.2	3.4	1.7	1.7	0.9	0.0	0.0	0.0	0.0
75°	255.5	17.2	5.2	3.4	2.6	1.7	1.7	0.9	0.0	0.0	0.0
77.5°	109.2	12.9	5.2	4.3	3.4	2.6	2.6	1.7	0.9	0.0	0.0
80°	41.3	10.3	6.0	5.2	4.3	4.3	3.4	1.7	0.9	0.0	0.0
82.5°	18.9	8.6	6.0	5.2	5.2	4.3	3.4	2.6	1.7	0.0	0.0
85°	12.0	7.7	6.0	5.2	5.2	4.3	4.3	2.6	1.7	0.0	0.0
87.5°	9.5	7.7	6.0	6.0	5.2	5.2	3.4	2.6	0.9	0.0	0.0
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

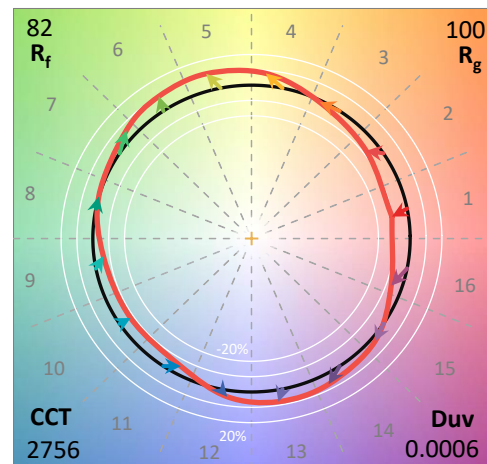
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 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-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

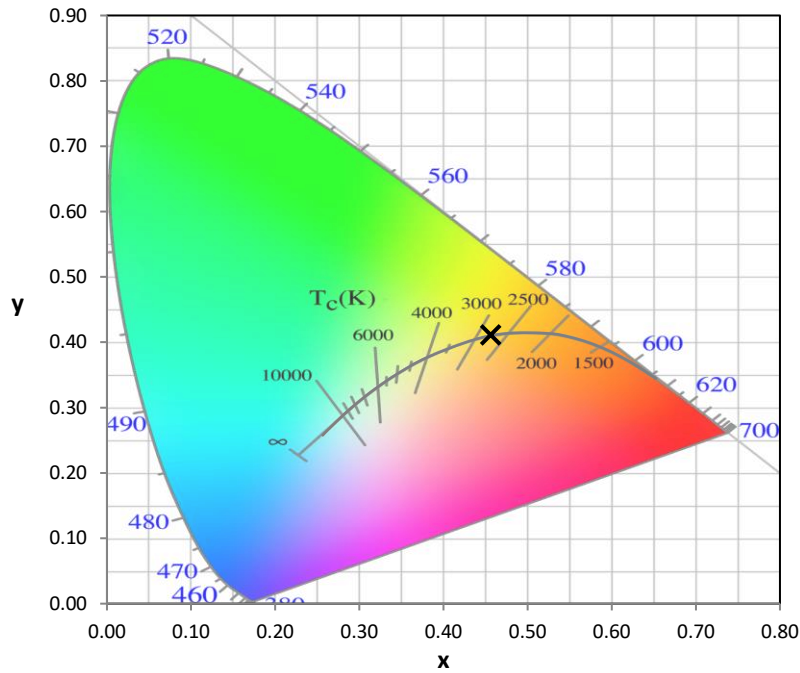
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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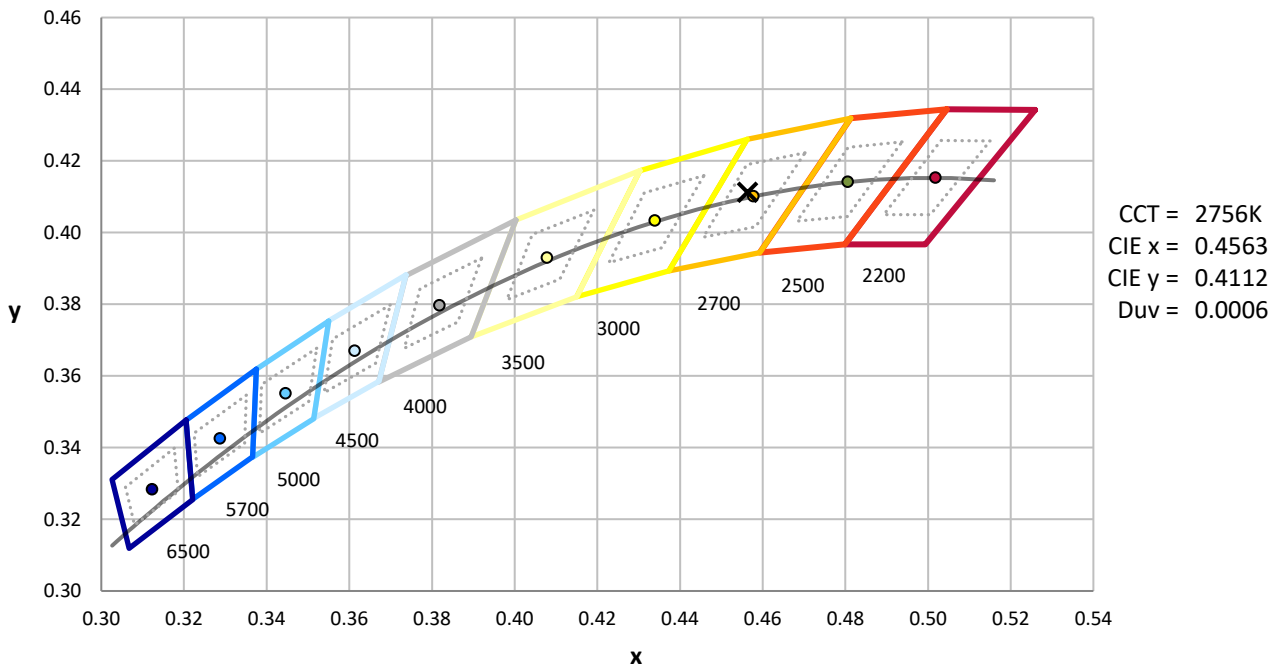
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



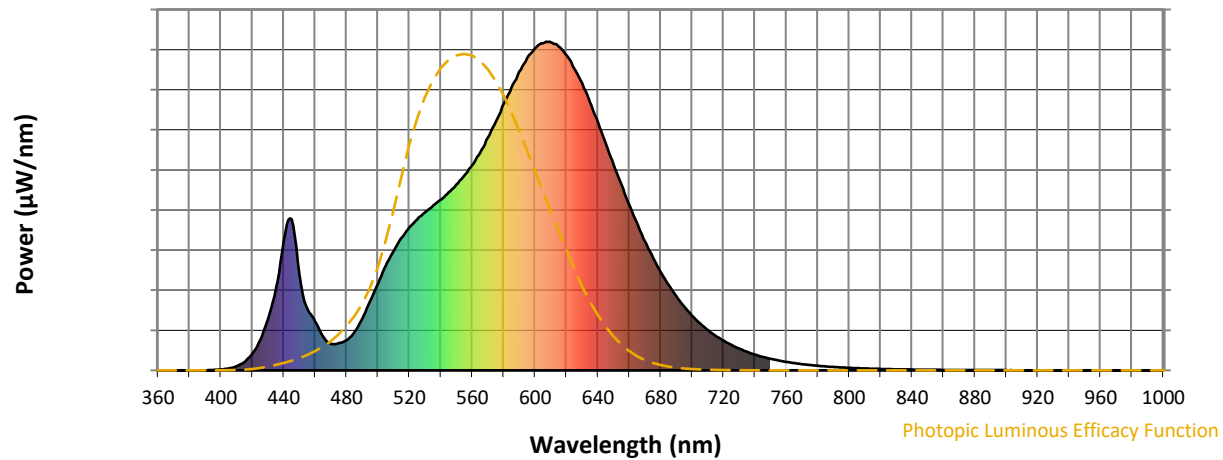
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

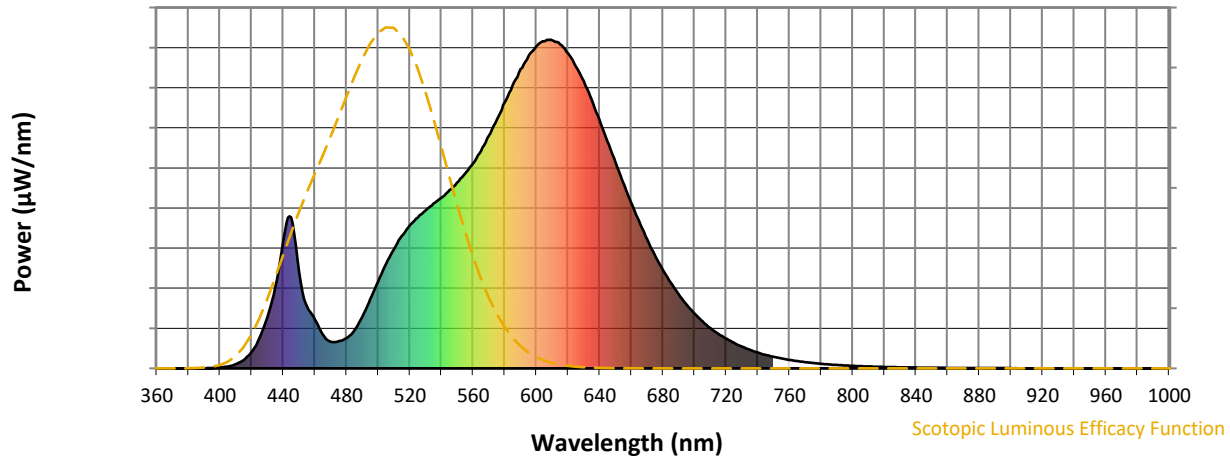


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



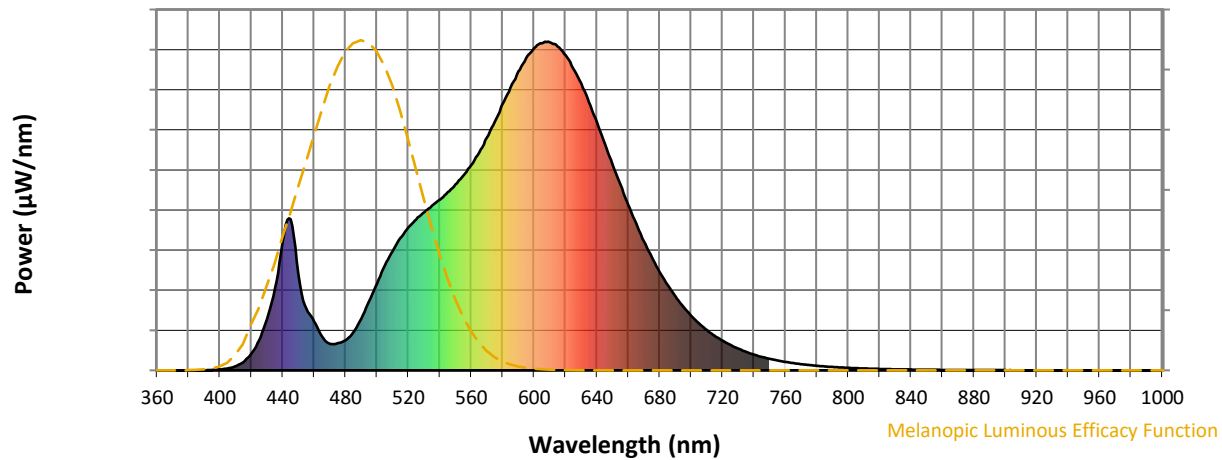
Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.16

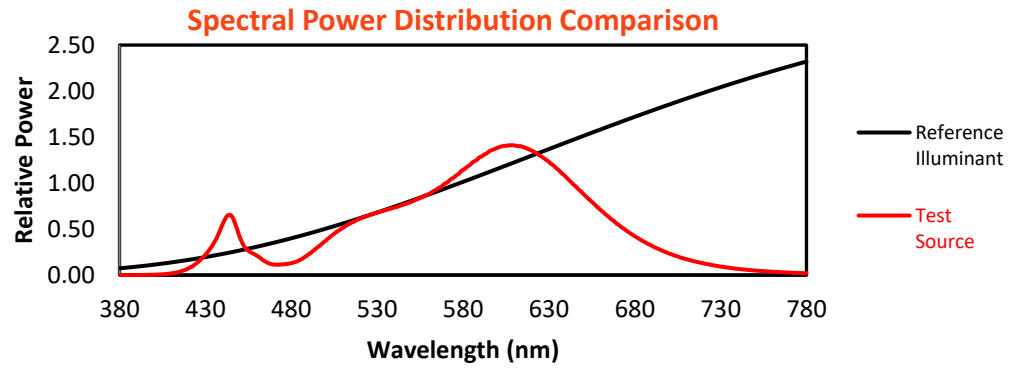
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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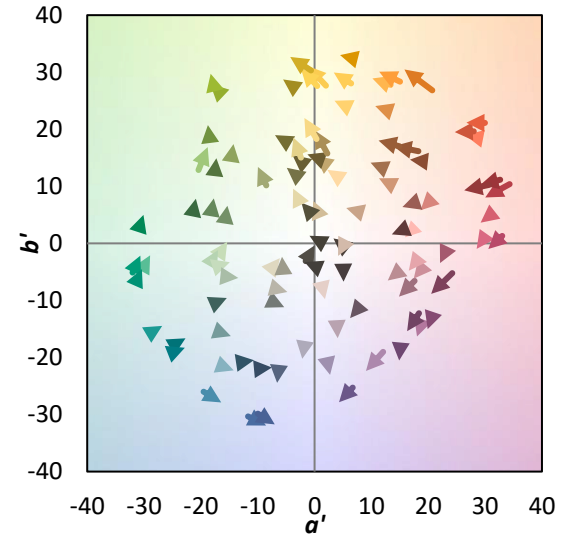
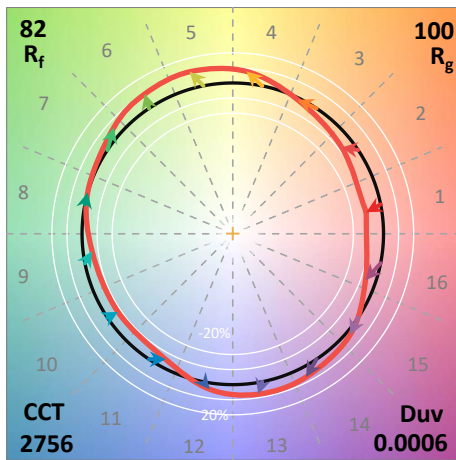
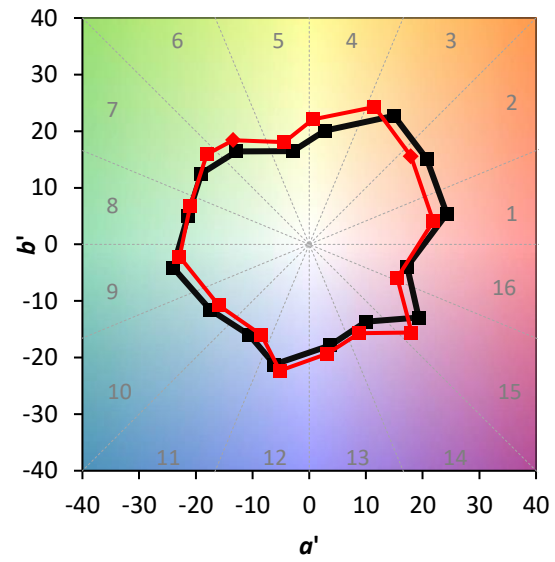
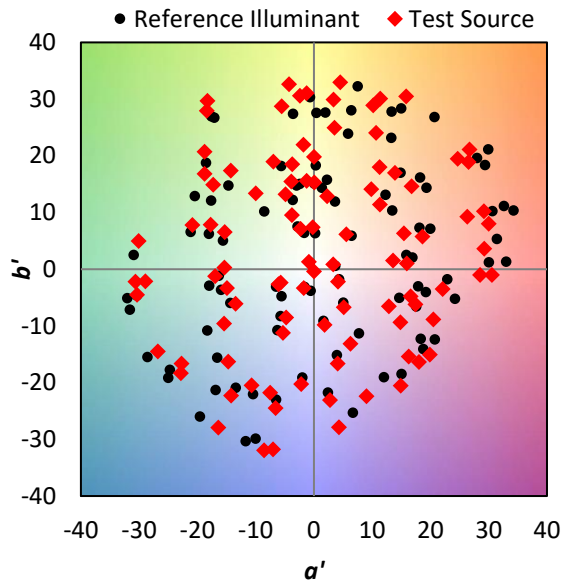
TM-30-18

Summary

$R_f = 82.2$
 $R_g = 99.9$
 $CIE R_a = 82.9$
 $R_9 = 10.8$

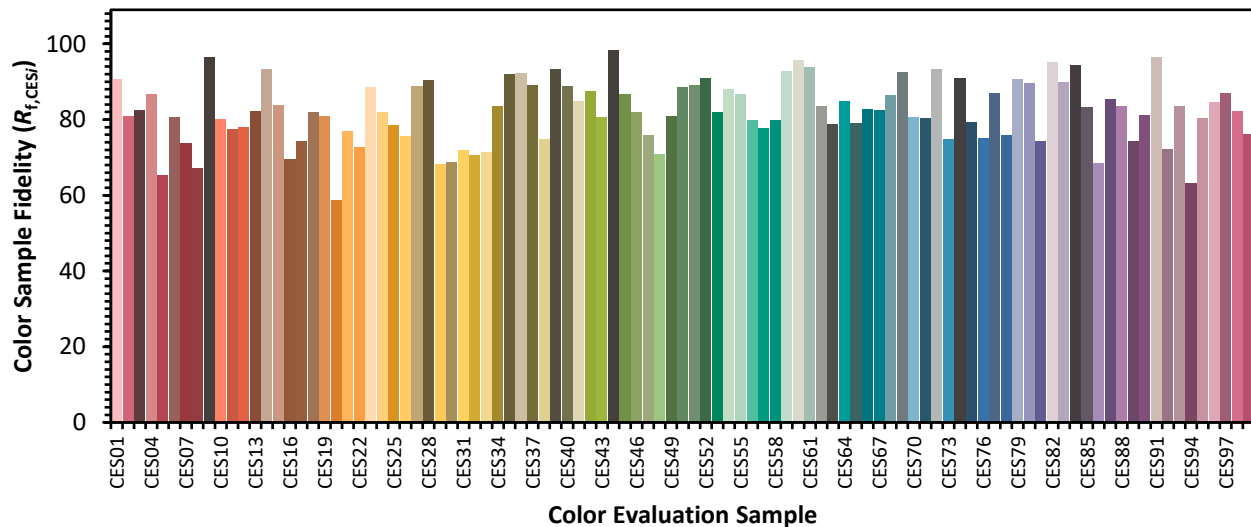


Color Vector Graphics

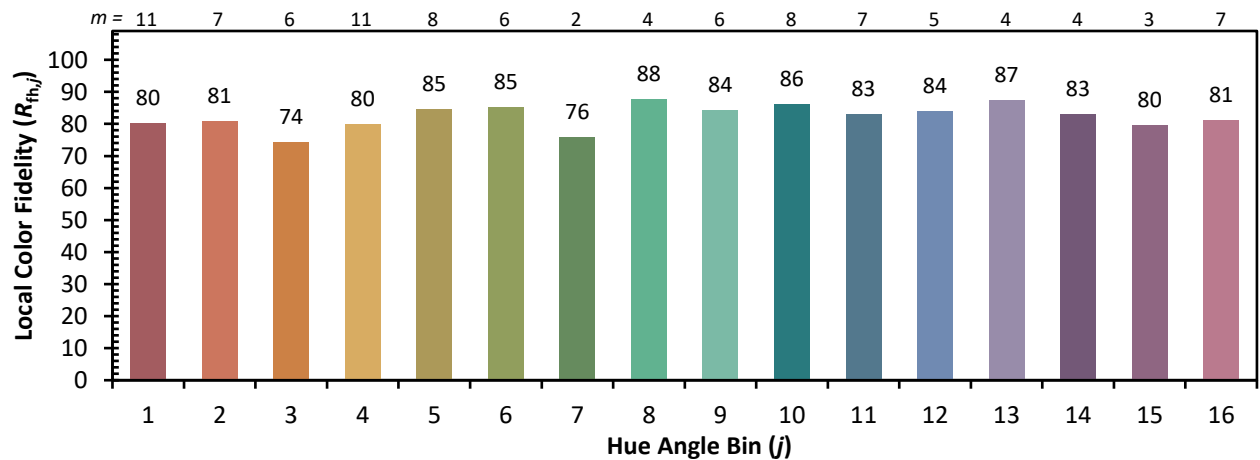
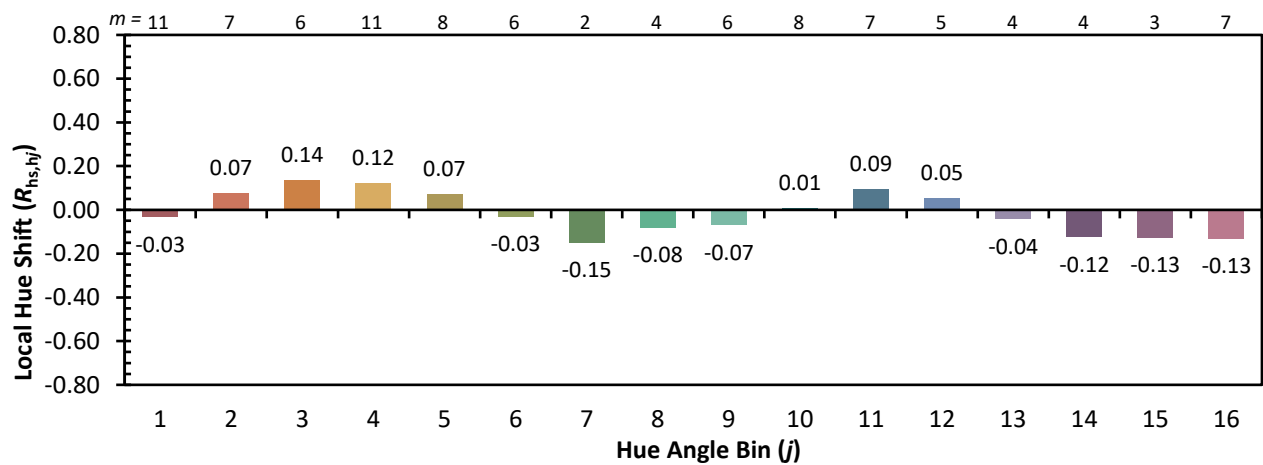
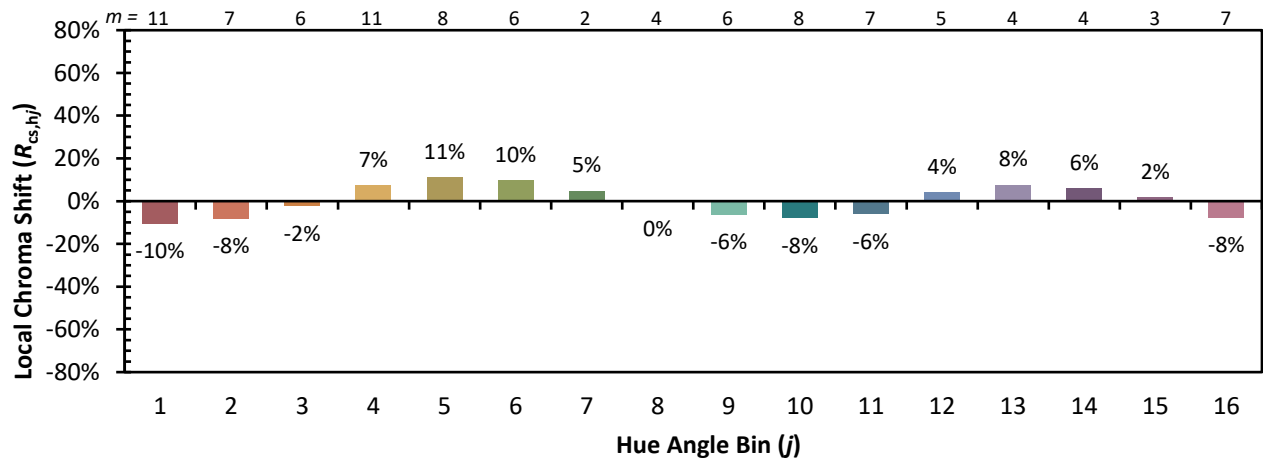


Individual Sample Fidelity Index ($R_{f,i}$)

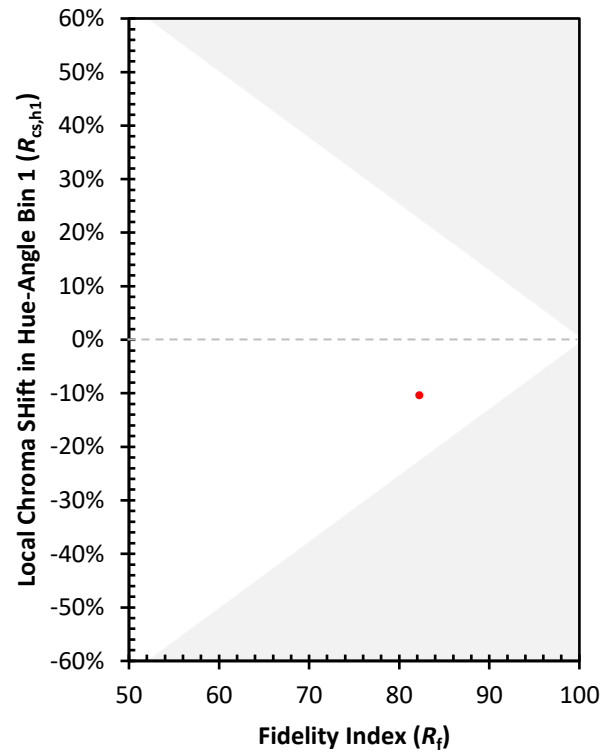
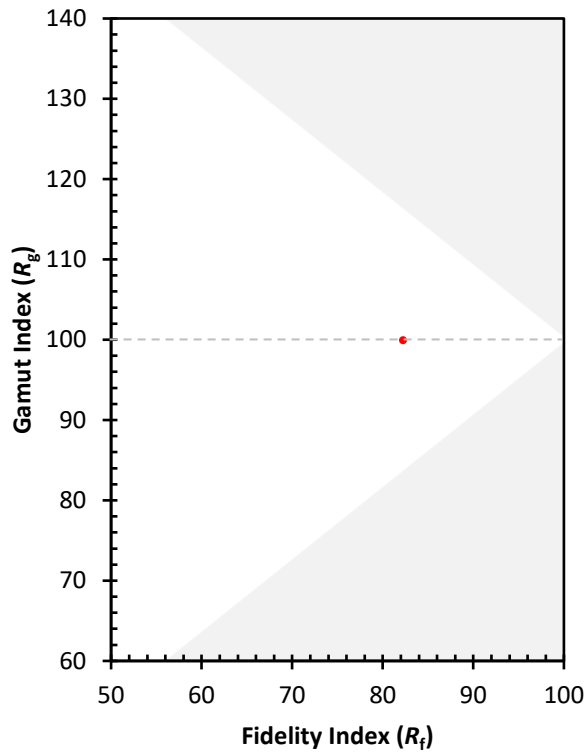
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)