

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: P1048641

Luminaire Tested: **GALN-SA3A-850-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048641
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-850-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10138.9 lumens
Efficiency: N/A
Efficacy: 124.6 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): 81.4
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

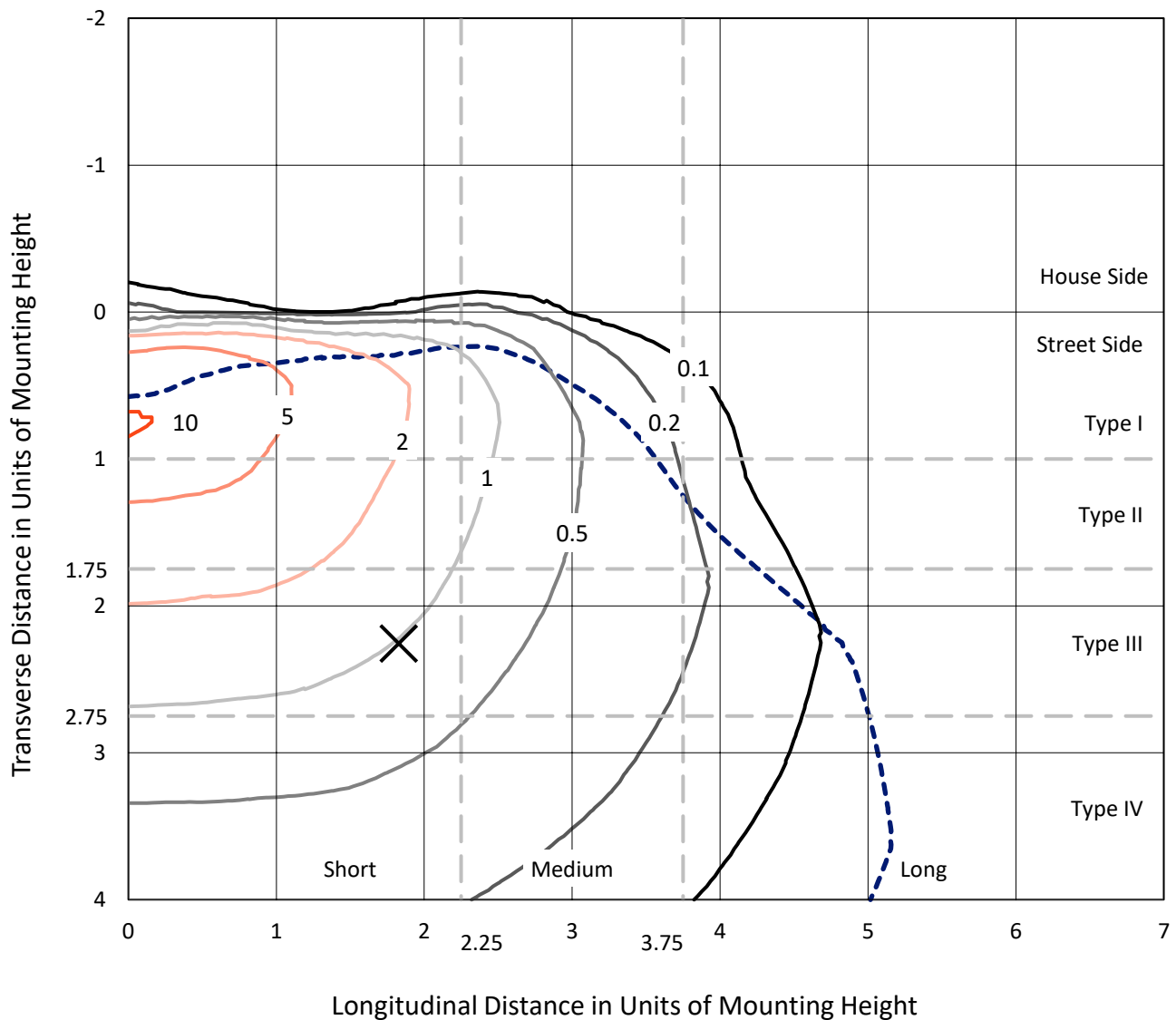


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CATALOG NUMBER: GALN-SA3A-850-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

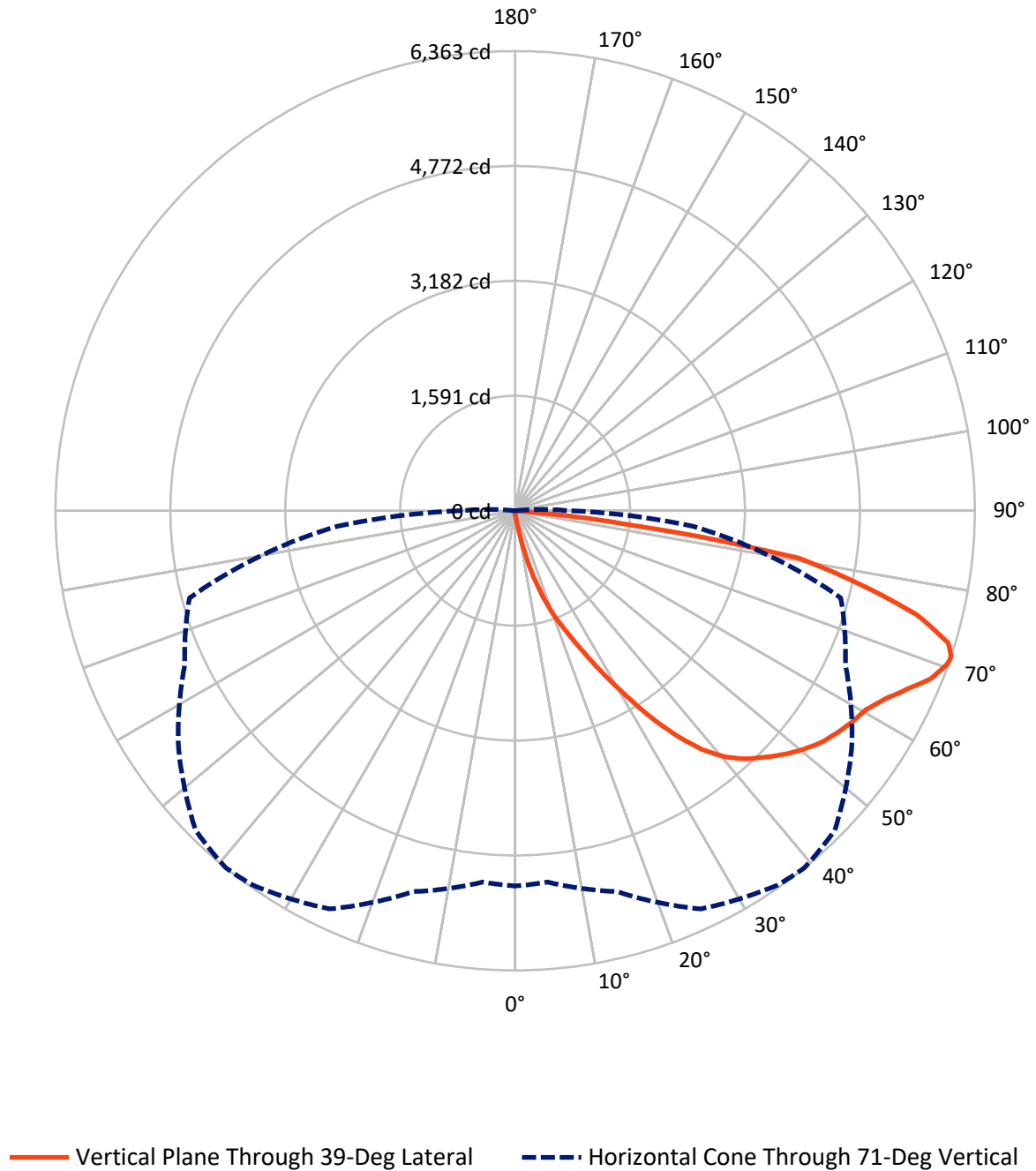


Based on 15 foot mounting height. Maximum calculated value = 10.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.0	0.0	36.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10102.9	0.0	10102.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	10138.9	0.0	10138.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.1
10°-20°	108.4	1.1
20°-30°	385.9	3.8
30°-40°	930.1	9.2
40°-50°	1556.6	15.4
50°-60°	1999.2	19.7
60°-70°	2530.0	25.0
70°-80°	2255.6	22.2
80°-90°	364.6	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°	10138.9	100.0
0°-180°	10138.9	100.0



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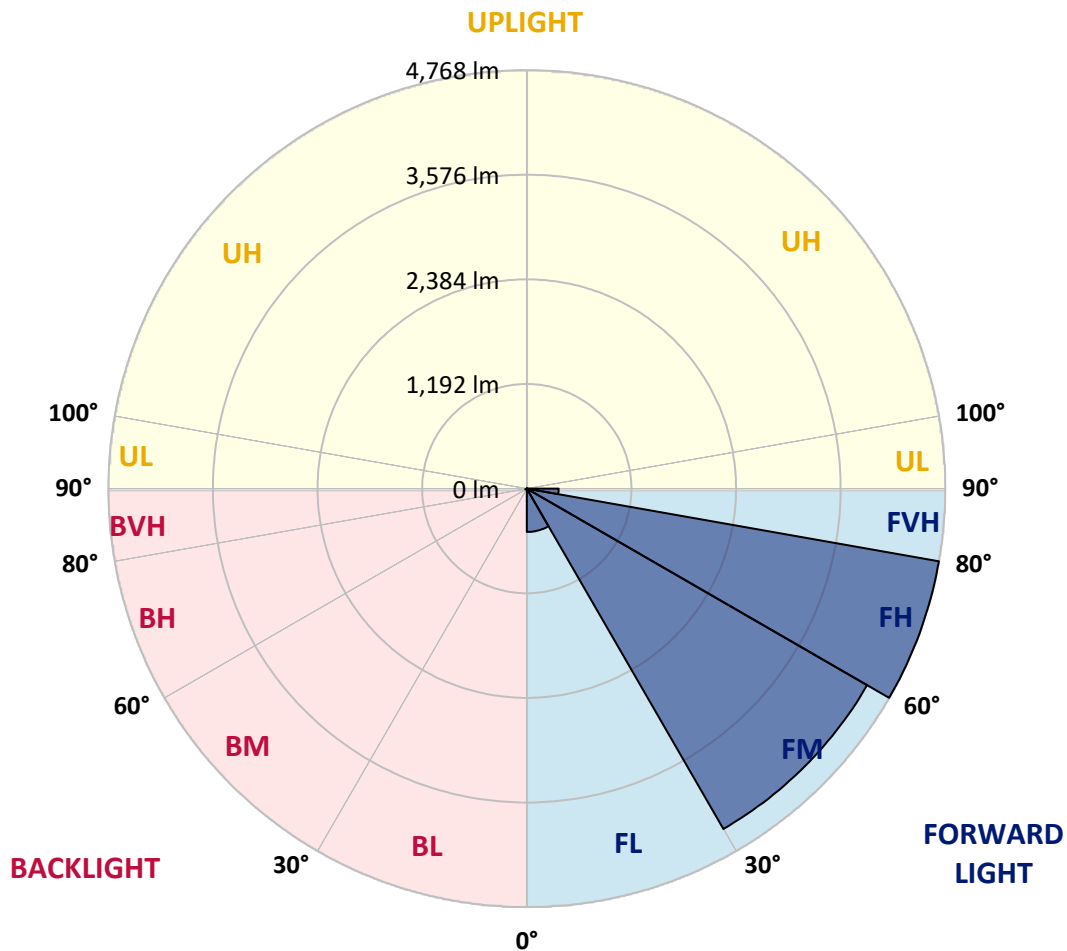
CATALOG NUMBER: GALN-SA3A-850-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	494.0	4.9			
FM	(30°-60°)	4477.5	44.2			
FH	(60°-80°)	4768.3	47.0			G2/5000
FVH	(80°-90°)	363.0	3.6			G3/500
BL	(0°-30°)	8.7	0.1	B0/110		
BM	(30°-60°)	8.3	0.1	B0/220		
BH	(60°-80°)	17.3	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2.5°	63.8	63.8	63.8	61.8	61.8	61.1	60.4	60.4	59.0	58.3	57.0
5°	96.8	94.7	89.9	87.2	81.7	78.2	74.8	70.0	65.2	61.8	57.7
7.5°	218.9	223.7	208.0	178.5	148.3	135.2	113.2	91.3	75.5	65.2	58.3
10°	558.0	555.3	501.7	442.7	341.8	301.3	236.1	148.9	97.5	71.4	59.0
12.5°	949.2	946.5	883.3	803.0	669.9	585.5	461.9	278.0	140.0	81.0	59.0
15°	1278.0	1267.0	1247.1	1167.5	1011.7	941.0	777.6	491.4	226.5	97.5	60.4
17.5°	1495.6	1485.9	1467.4	1438.6	1339.8	1256.0	1124.9	772.1	366.5	126.3	63.1
20°	1695.3	1688.4	1673.3	1667.8	1604.0	1559.4	1450.9	1094.7	571.0	171.6	67.3
22.5°	1969.8	1955.4	1961.6	1928.6	1866.2	1812.6	1746.1	1432.4	820.9	247.1	74.8
25°	2306.1	2299.3	2282.1	2258.8	2172.3	2125.6	2023.4	1750.9	1100.2	345.9	83.0
27.5°	2712.5	2704.9	2700.8	2647.2	2547.7	2496.9	2354.2	2051.5	1414.6	484.6	94.0
30°	3180.5	3184.0	3157.2	3088.6	2972.6	2901.2	2754.3	2366.5	1736.5	647.2	105.7
32.5°	3665.1	3658.2	3617.1	3536.1	3432.4	3365.9	3179.2	2711.8	2074.1	862.1	119.4
35°	4187.4	4174.4	4065.9	3973.3	3884.7	3801.0	3630.8	3112.6	2411.8	1103.0	138.0
37.5°	4714.5	4653.4	4435.9	4318.5	4257.4	4188.8	4030.2	3540.2	2747.5	1372.0	160.6
40°	5112.6	5065.3	4807.2	4591.0	4542.3	4483.9	4365.9	3909.4	3104.4	1661.0	188.1
42.5°	5332.9	5306.9	5074.9	4861.4	4746.8	4695.3	4594.4	4232.0	3457.1	1980.1	227.9
45°	5427.0	5386.5	5231.4	5131.8	4949.3	4864.2	4744.0	4475.7	3825.7	2342.5	283.5
47.5°	5398.1	5374.8	5263.6	5300.0	5167.5	5035.1	4858.7	4662.4	4140.7	2758.4	359.6
50°	5216.9	5197.0	5162.7	5359.7	5343.2	5186.7	5006.9	4809.9	4398.1	3187.4	477.7
52.5°	4872.4	4864.2	4952.0	5313.0	5442.7	5320.6	5149.7	4940.3	4638.3	3635.6	646.5
55°	4428.3	4462.0	4713.2	5240.3	5493.5	5419.4	5276.0	5062.5	4831.2	4036.4	895.7
57.5°	4245.8	4254.7	4568.3	5188.8	5516.2	5506.6	5398.8	5179.2	5008.3	4356.9	1275.9
60°	4459.2	4445.5	4610.9	5227.9	5561.5	5584.8	5508.0	5287.6	5162.0	4632.2	1782.4
62.5°	4844.9	4837.4	4890.2	5394.7	5694.0	5741.3	5659.6	5365.9	5297.9	4813.4	2360.4
65°	5189.5	5173.7	5271.8	5690.5	5926.6	5960.3	5888.9	5499.7	5357.6	4945.1	2903.3
67.5°	5338.4	5335.0	5492.9	5971.9	6171.0	6207.3	6144.9	5684.3	5343.9	4987.0	3142.8
70°	5270.5	5257.4	5510.0	6091.3	6308.9	6350.1	6289.7	5753.0	5195.0	4854.5	2788.0
71°	5195.7	5160.7	5458.5	6083.1	6328.1	6363.1	6257.4	5690.5	5045.4	4666.5	2466.1
72.5°	4963.7	4969.9	5317.1	5997.3	6282.2	6271.9	6074.9	5466.8	4864.8	4239.6	1980.8
75°	4392.6	4429.0	4859.4	5637.0	5871.7	5740.6	5439.3	5039.2	4502.5	3039.8	1375.4
77.5°	3589.6	3643.8	4116.7	4943.8	4877.2	4864.2	4851.8	4440.0	3844.9	1632.8	956.8
80°	1713.8	1831.2	2483.2	3529.2	3833.9	3981.5	3888.9	3577.9	2973.3	777.6	571.7
82.5°	111.9	110.5	156.5	296.5	1249.8	1615.7	2566.9	2557.3	2072.8	378.9	233.4
85°	52.8	54.2	59.7	67.9	78.9	86.5	119.4	700.1	991.8	180.5	50.8
87.5°	30.9	31.6	37.1	47.4	61.8	68.6	81.7	105.0	129.0	99.5	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA3A-850-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2.5°	56.3	55.6	53.5	51.5	49.4	48.0	47.4	48.0	48.0	48.7	48.7
5°	56.3	54.2	50.8	46.7	43.9	41.2	39.8	39.1	39.8	39.8	39.8
7.5°	55.6	52.2	47.4	42.6	39.1	35.7	34.3	33.6	33.6	34.3	34.3
10°	54.2	50.8	44.6	39.1	35.0	30.9	28.8	26.8	26.8	26.8	27.5
12.5°	53.5	48.7	41.2	35.7	30.2	25.4	21.3	19.2	19.9	19.9	19.9
15°	52.2	46.7	39.1	32.3	25.4	19.2	15.8	13.7	14.4	15.1	14.4
17.5°	52.2	46.0	36.4	28.1	19.9	14.4	11.7	10.3	10.3	11.0	11.0
20°	52.2	44.6	34.3	24.0	15.1	11.0	8.2	7.5	7.5	8.9	9.6
22.5°	53.5	44.6	31.6	19.9	12.4	8.2	6.2	5.5	6.2	7.5	8.2
25°	55.6	43.9	28.8	17.8	10.3	6.2	4.8	3.4	4.1	5.5	6.2
27.5°	57.7	43.2	26.1	15.8	8.2	4.8	3.4	2.7	2.1	2.7	2.7
30°	59.7	43.2	23.3	13.0	6.9	3.4	2.1	1.4	0.7	0.0	0.0
32.5°	61.1	41.9	21.3	10.3	5.5	2.7	1.4	0.7	0.0	0.0	0.0
35°	62.5	40.5	18.5	8.2	4.1	2.1	0.7	0.0	0.0	0.0	0.0
37.5°	63.8	38.4	15.8	6.9	3.4	1.4	0.0	0.0	0.0	0.0	0.0
40°	65.2	35.7	13.0	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	66.6	33.6	11.0	4.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	70.0	32.3	8.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	76.2	30.9	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	85.1	29.5	7.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	97.5	28.8	6.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	119.4	28.1	6.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	157.2	27.5	6.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	240.9	26.1	6.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	430.3	25.4	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	750.2	26.1	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1075.5	27.5	4.8	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	920.4	24.0	4.8	2.7	1.4	0.7	0.0	0.0	0.0	0.0	0.0
71°	750.2	21.3	4.8	2.7	1.4	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	482.5	16.5	4.1	2.7	1.4	1.4	0.7	0.0	0.0	0.0	0.0
75°	203.8	13.7	4.1	2.7	2.1	1.4	1.4	0.7	0.0	0.0	0.0
77.5°	87.2	10.3	4.1	3.4	2.7	2.1	2.1	1.4	0.7	0.0	0.0
80°	32.9	8.2	4.8	4.1	3.4	3.4	2.7	1.4	0.7	0.0	0.0
82.5°	15.1	6.9	4.8	4.1	4.1	3.4	2.7	2.1	1.4	0.0	0.0
85°	9.6	6.2	4.8	4.1	4.1	3.4	3.4	2.1	1.4	0.0	0.0
87.5°	7.5	6.2	4.8	4.8	4.1	4.1	2.7	2.1	0.7	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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

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

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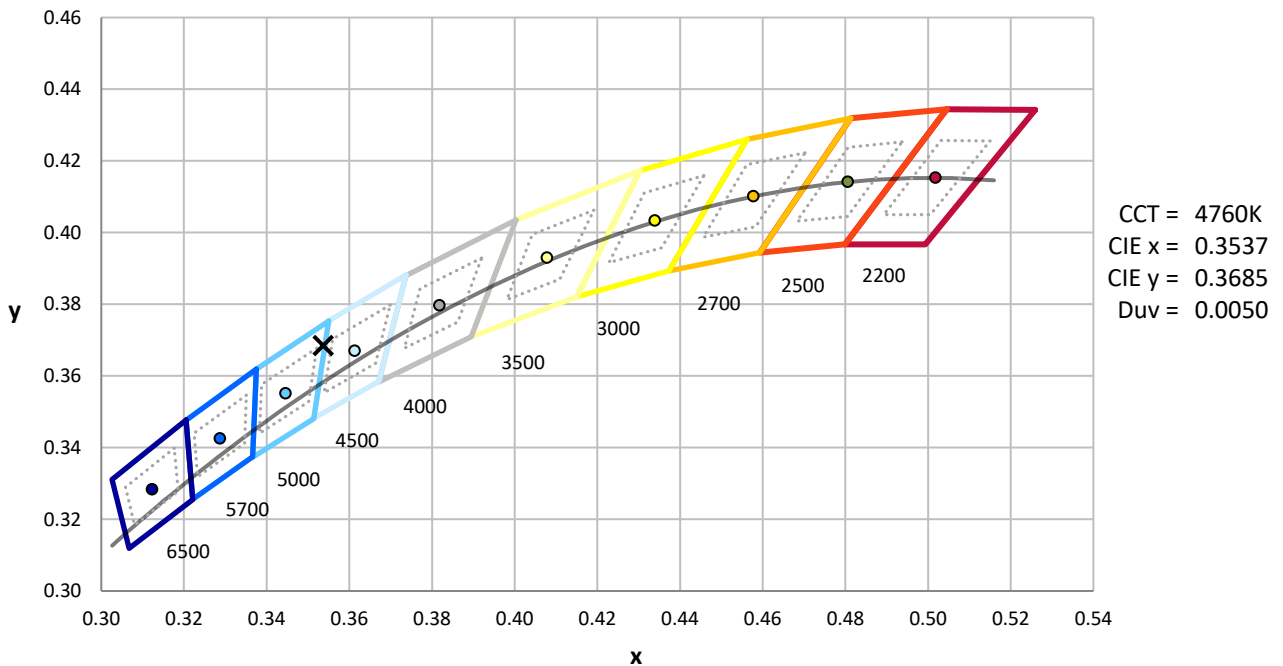
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

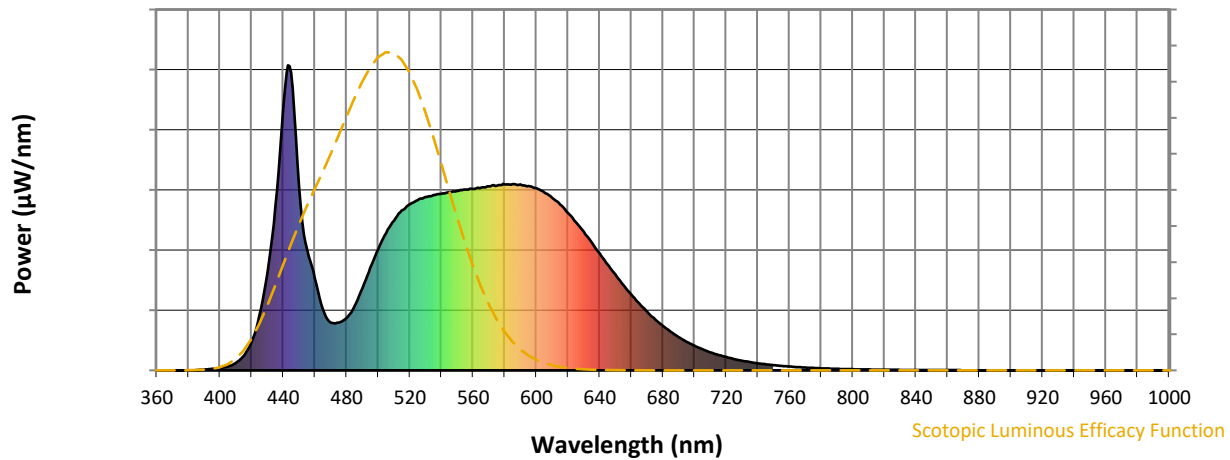


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



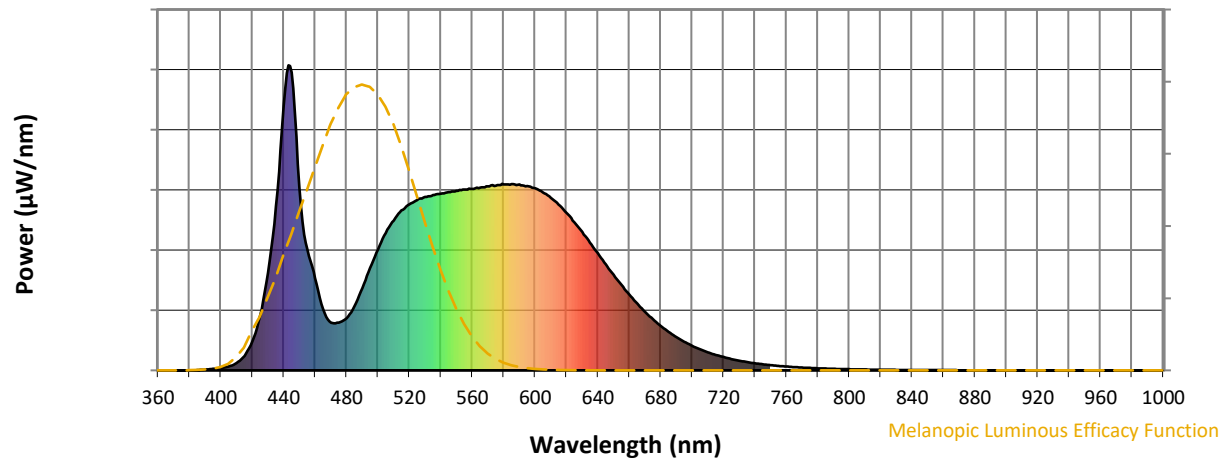
Scotopic Lumens: NR

S/P: 1.83

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

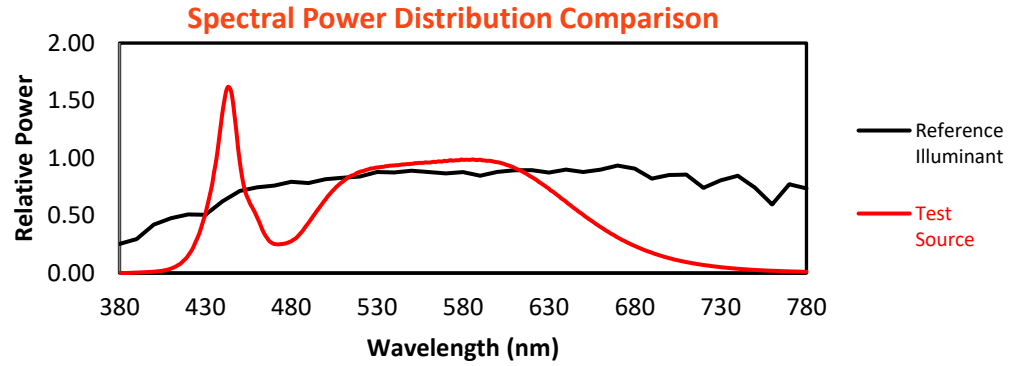
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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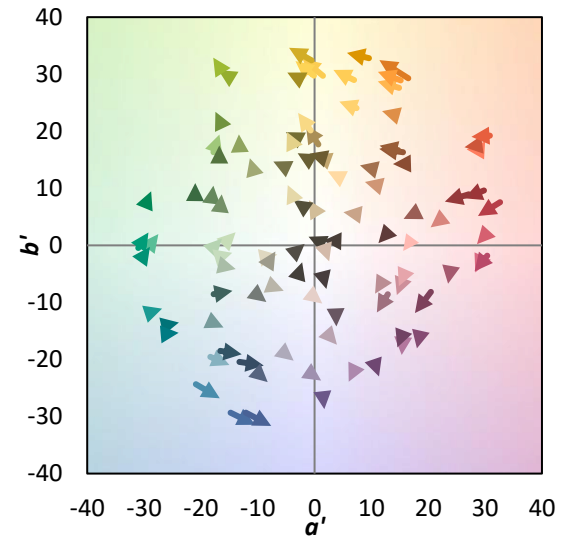
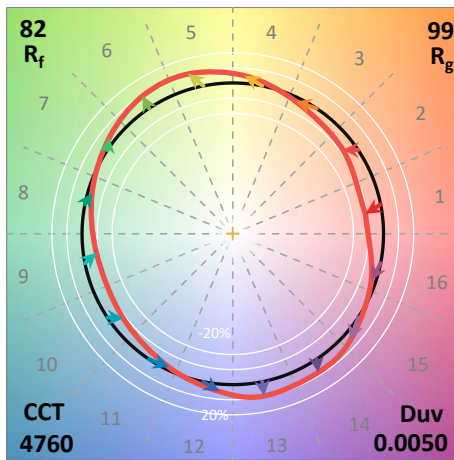
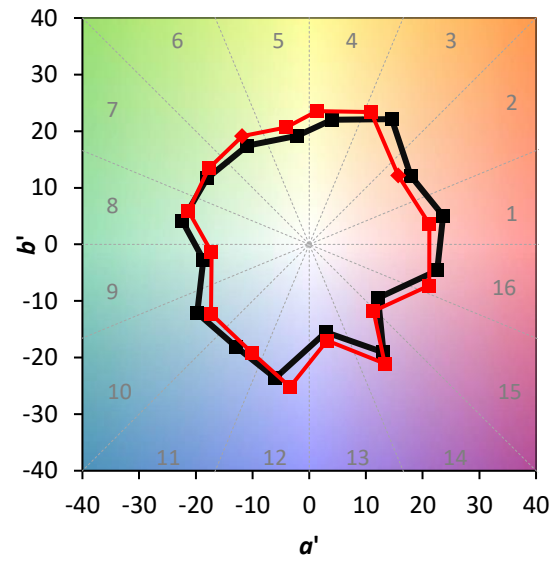
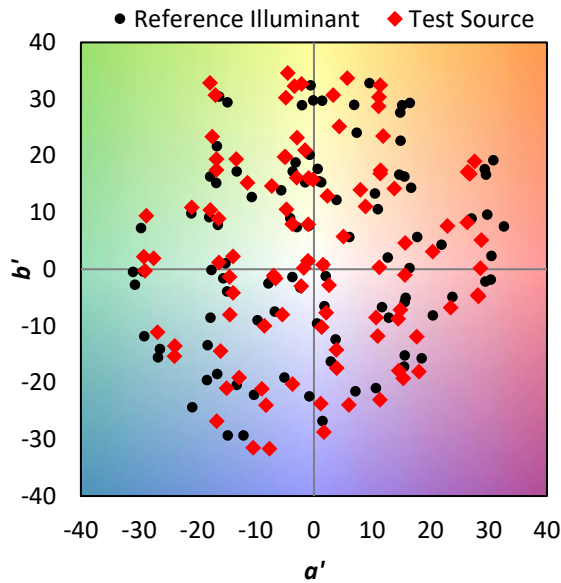
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $\text{CIE } R_a = 81.1$
 $R_9 = 8.7$



Color Vector Graphics

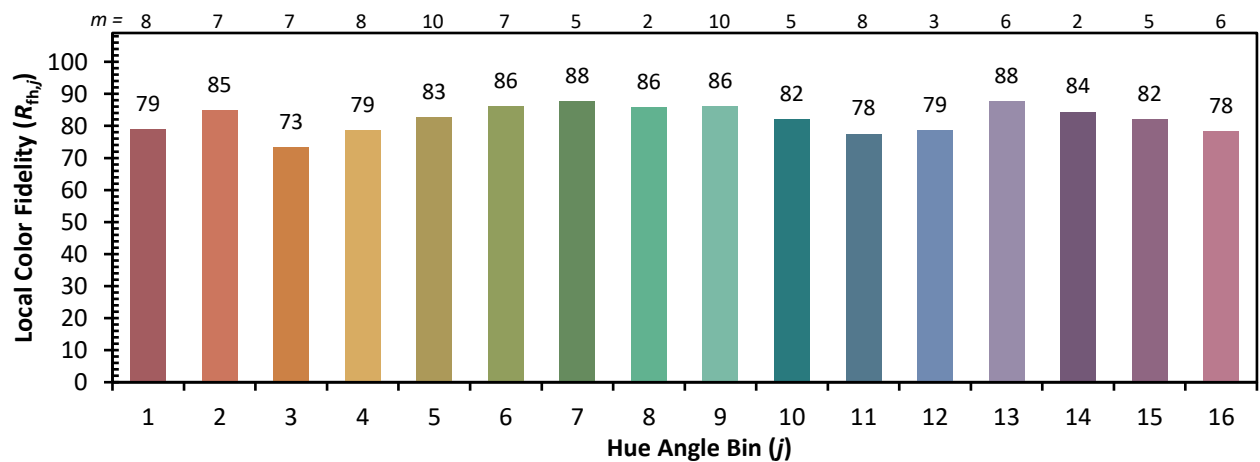
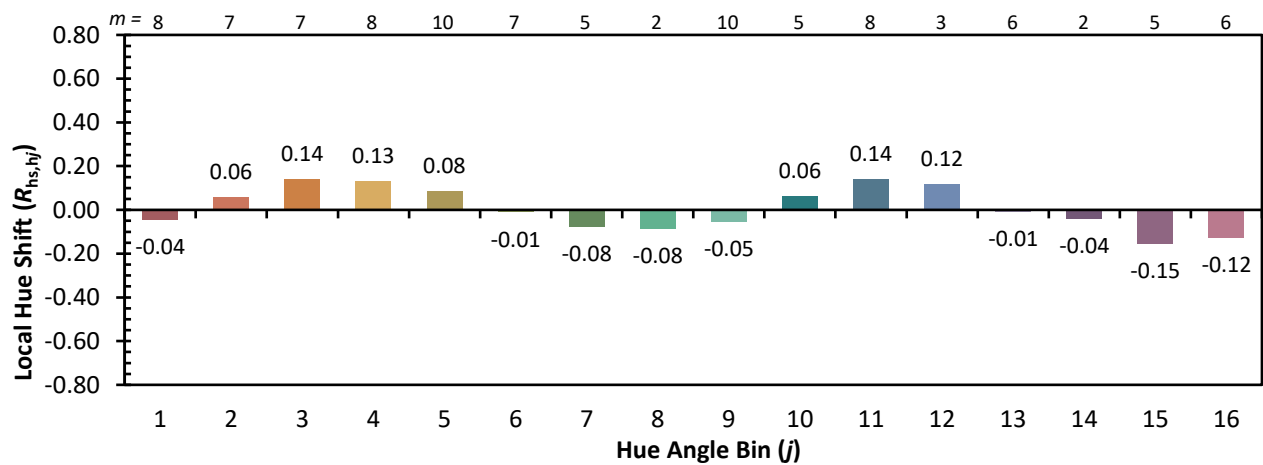


Individual Sample Fidelity Index ($R_{f,i}$)

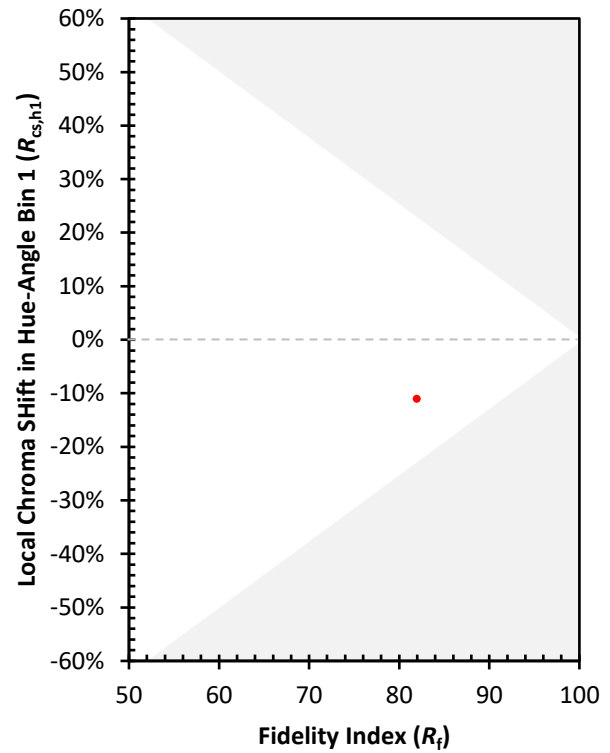
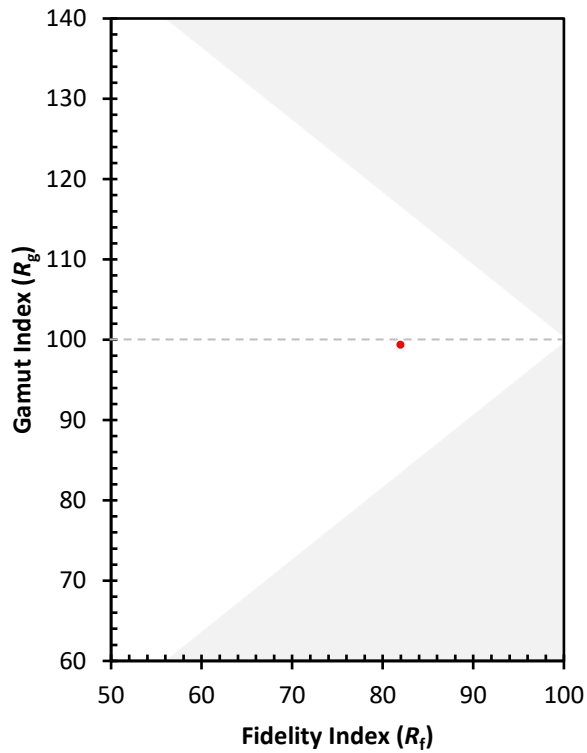
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)