

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: P1048611

Luminaire Tested: **GALN-SA4C-840-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048611
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-840-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20771.3 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 190.4
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

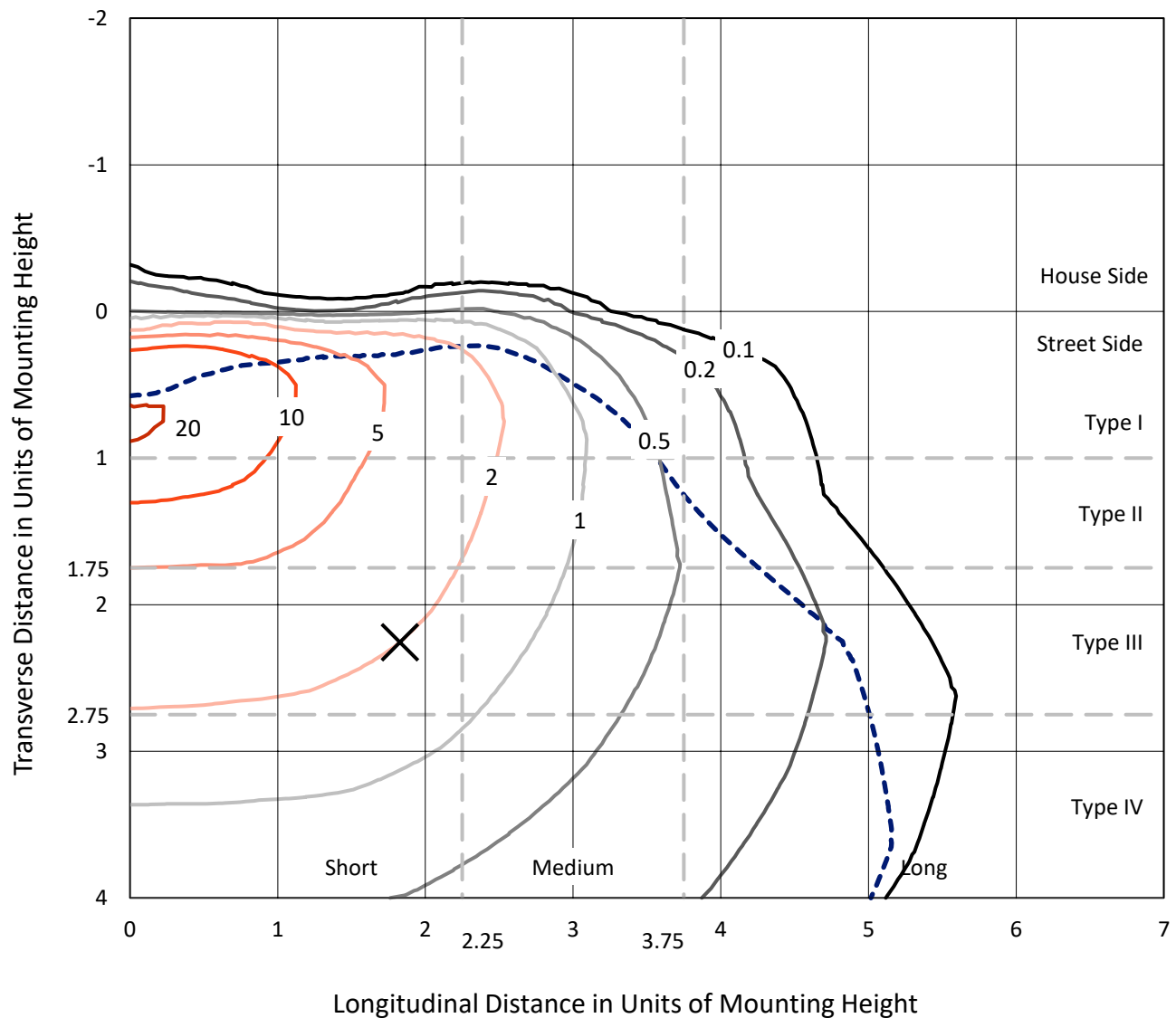


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

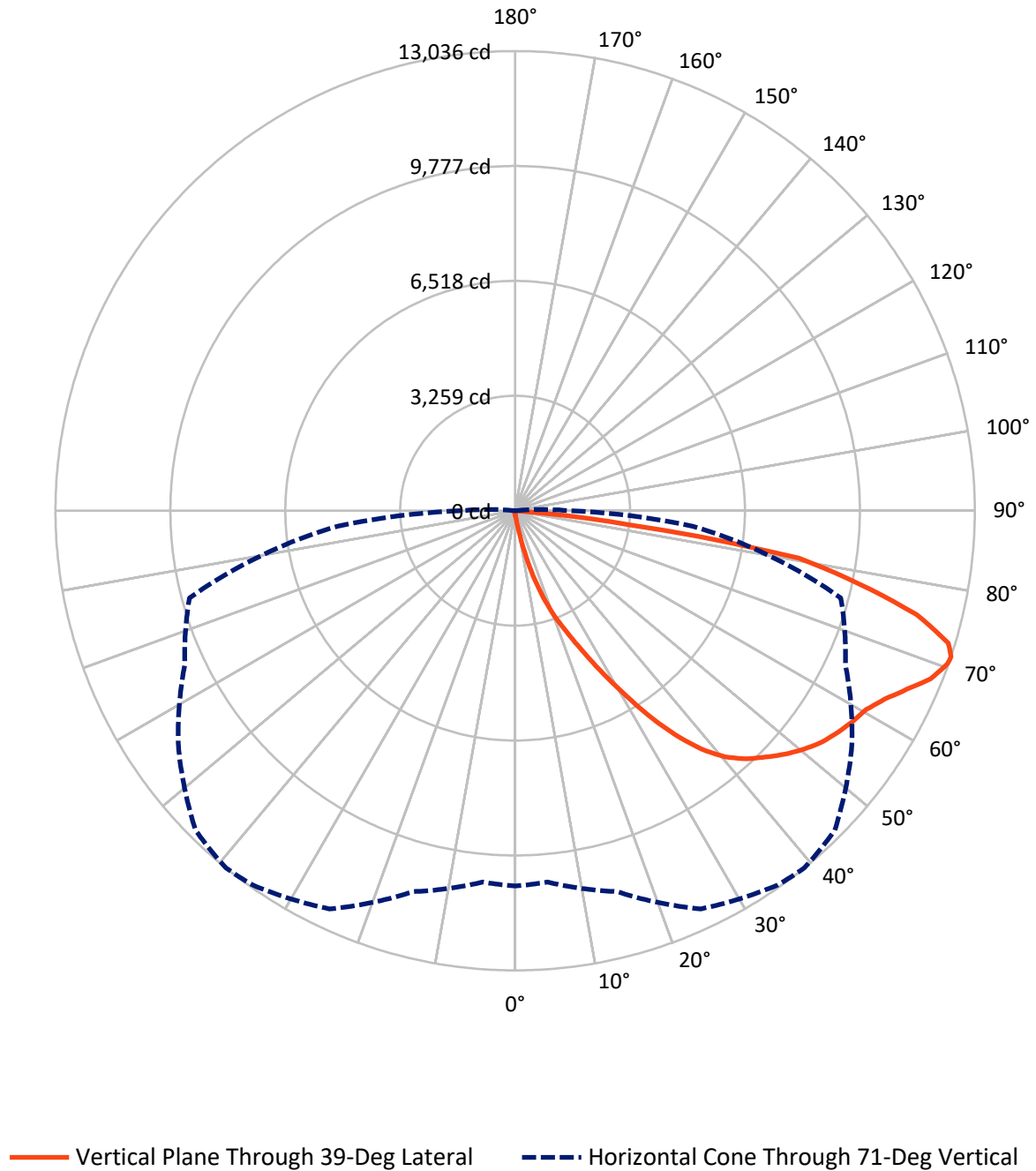


Based on 15 foot mounting height. Maximum calculated value = 21.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	73.8	0.0	73.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20697.5	0.0	20697.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	20771.3	0.0	20771.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.1
10°-20°	222.0	1.1
20°-30°	790.6	3.8
30°-40°	1905.4	9.2
40°-50°	3188.9	15.4
50°-60°	4095.8	19.7
60°-70°	5183.2	25.0
70°-80°	4621.0	22.2
80°-90°	747.0	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°	20771.3	100.0
0°-180°	20771.3	100.0



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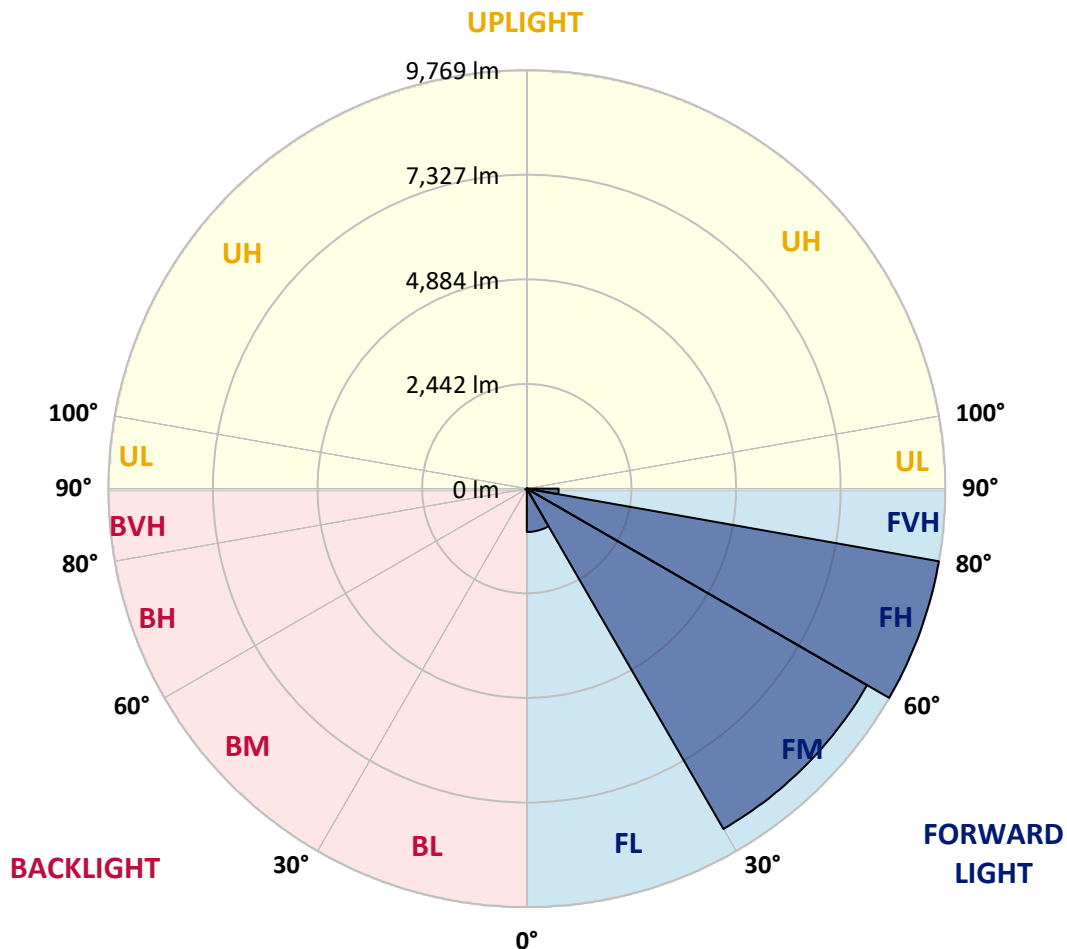
CATALOG NUMBER: GALN-SA4C-840-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1012.1	4.9			
FM	(30°-60°)	9173.0	44.2			
FH	(60°-80°)	9768.8	47.0			G4/12000
FVH	(80°-90°)	743.6	3.6			G4/750
BL	(0°-30°)	17.8	0.1	B0/110		
BM	(30°-60°)	17.1	0.1	B0/220		
BH	(60°-80°)	35.5	0.2	B0/110		G0/110
BVH	(80°-90°)	3.4	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
2.5°	130.8	130.8	130.8	126.5	126.5	125.1	123.7	123.7	120.9	119.5	116.7
5°	198.3	194.0	184.2	178.6	167.3	160.3	153.3	143.4	133.6	126.5	118.1
7.5°	448.5	458.4	426.1	365.6	303.7	277.0	232.0	187.0	154.7	133.6	119.5
10°	1143.2	1137.5	1027.9	906.9	700.2	617.3	483.7	305.1	199.7	146.2	120.9
12.5°	1944.6	1939.0	1809.7	1645.1	1372.4	1199.4	946.3	569.5	286.8	165.9	120.9
15°	2618.2	2595.7	2554.9	2391.8	2072.6	1927.8	1593.1	1006.8	464.0	199.7	123.7
17.5°	3063.9	3044.2	3006.3	2947.2	2744.7	2573.2	2304.6	1581.9	750.9	258.7	129.4
20°	3473.1	3459.0	3428.1	3416.8	3286.1	3194.7	2972.5	2242.7	1169.9	351.5	137.8
22.5°	4035.5	4006.0	4018.7	3951.2	3823.2	3713.5	3577.1	2934.5	1681.7	506.2	153.3
25°	4724.5	4710.5	4675.3	4627.5	4450.3	4354.7	4145.2	3587.0	2254.0	708.7	170.1
27.5°	5556.9	5541.5	5533.0	5423.4	5219.5	5115.4	4823.0	4202.9	2898.0	992.7	192.6
30°	6515.9	6522.9	6468.1	6327.5	6089.9	5943.6	5642.7	4848.3	3557.5	1326.0	216.5
32.5°	7508.6	7494.6	7410.2	7244.3	7032.0	6895.6	6513.1	5555.5	4249.3	1766.1	244.7
35°	8578.7	8552.0	8329.8	8140.0	7958.6	7787.0	7438.3	6376.7	4941.1	2259.6	282.6
37.5°	9658.6	9533.4	9087.7	8847.2	8722.1	8581.5	8256.7	7252.7	5628.7	2810.8	329.0
40°	10474.1	10377.1	9848.4	9405.5	9305.6	9186.1	8944.3	8009.2	6359.8	3402.8	385.3
42.5°	10925.5	10872.0	10396.8	9959.5	9724.6	9619.2	9412.5	8670.1	7082.6	4056.6	466.8
45°	11118.1	11035.1	10717.4	10513.5	10139.5	9965.1	9719.0	9169.2	7837.7	4799.0	580.7
47.5°	11059.0	11011.2	10783.4	10858.0	10586.6	10315.2	9953.8	9551.7	8483.1	5651.2	736.8
50°	10687.8	10647.1	10576.8	10980.3	10946.6	10626.0	10257.6	9854.0	9010.3	6530.0	978.7
52.5°	9982.0	9965.1	10145.1	10884.7	11150.4	10900.2	10550.0	10121.2	9502.5	7448.2	1324.6
55°	9072.2	9141.1	9655.7	10735.6	11254.5	11102.6	10808.8	10371.5	9897.6	8269.3	1835.0
57.5°	8698.2	8716.5	9359.1	10630.2	11300.9	11281.2	11060.5	10610.5	10260.4	8926.0	2614.0
60°	9135.5	9107.4	9446.2	10710.3	11393.7	11441.5	11284.0	10832.7	10575.3	9489.8	3651.7
62.5°	9925.7	9910.3	10018.5	11052.0	11665.1	11762.1	11594.8	10993.0	10853.8	9861.0	4835.6
65°	10631.6	10599.2	10800.3	11658.0	12141.7	12210.6	12064.4	11267.1	10976.1	10131.0	5947.8
67.5°	10936.7	10929.7	11253.1	12234.6	12642.3	12716.8	12588.9	11645.4	10948.0	10216.8	6438.6
70°	10797.5	10770.8	11288.2	12479.2	12925.0	13009.3	12885.6	11786.0	10642.8	9945.4	5711.6
71°	10644.2	10572.5	11182.8	12462.3	12964.3	13036.0	12819.5	11658.0	10336.3	9560.1	5052.1
72.5°	10169.0	10181.6	10893.1	12286.6	12870.1	12849.0	12445.5	11199.7	9966.5	8685.5	4058.0
75°	8999.1	9073.6	9955.3	11548.4	12029.3	11760.7	11143.4	10323.7	9224.1	6227.7	2817.8
77.5°	7353.9	7465.0	8433.8	10128.2	9991.8	9965.1	9939.8	9096.1	7877.0	3345.1	1960.1
80°	3511.1	3751.5	5087.3	7230.2	7854.5	8156.8	7967.0	7330.0	6091.3	1593.1	1171.3
82.5°	229.2	226.4	320.6	607.4	2560.5	3310.0	5258.8	5239.2	4246.4	776.2	478.1
85°	108.3	111.1	122.3	139.2	161.7	177.2	244.7	1434.2	2031.8	369.8	104.1
87.5°	63.3	64.7	75.9	97.0	126.5	140.6	167.3	215.1	264.3	203.9	22.5
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9	113.9
2.5°	115.3	113.9	109.7	105.5	101.2	98.4	97.0	98.4	98.4	99.8	99.8
5°	115.3	111.1	104.1	95.6	90.0	84.4	81.6	80.1	81.6	81.6	81.6
7.5°	113.9	106.9	97.0	87.2	80.1	73.1	70.3	68.9	68.9	70.3	70.3
10°	111.1	104.1	91.4	80.1	71.7	63.3	59.1	54.8	54.8	54.8	56.2
12.5°	109.7	99.8	84.4	73.1	61.9	52.0	43.6	39.4	40.8	40.8	40.8
15°	106.9	95.6	80.1	66.1	52.0	39.4	32.3	28.1	29.5	30.9	29.5
17.5°	106.9	94.2	74.5	57.7	40.8	29.5	23.9	21.1	21.1	22.5	22.5
20°	106.9	91.4	70.3	49.2	30.9	22.5	16.9	15.5	15.5	18.3	19.7
22.5°	109.7	91.4	64.7	40.8	25.3	16.9	12.7	11.2	12.7	15.5	16.9
25°	113.9	90.0	59.1	36.6	21.1	12.7	9.8	7.0	8.4	11.2	12.7
27.5°	118.1	88.6	53.4	32.3	16.9	9.8	7.0	5.6	4.2	5.6	5.6
30°	122.3	88.6	47.8	26.7	14.1	7.0	4.2	2.8	1.4	0.0	0.0
32.5°	125.1	85.8	43.6	21.1	11.2	5.6	2.8	1.4	0.0	0.0	0.0
35°	128.0	83.0	38.0	16.9	8.4	4.2	1.4	0.0	0.0	0.0	0.0
37.5°	130.8	78.7	32.3	14.1	7.0	2.8	0.0	0.0	0.0	0.0	0.0
40°	133.6	73.1	26.7	12.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	136.4	68.9	22.5	9.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	143.4	66.1	18.3	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	156.1	63.3	16.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	174.4	60.5	15.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	199.7	59.1	14.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	244.7	57.7	12.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	322.0	56.2	12.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	493.5	53.4	12.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	881.6	52.0	11.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1536.9	53.4	11.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2203.4	56.2	9.8	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	1885.6	49.2	9.8	5.6	2.8	1.4	0.0	0.0	0.0	0.0	0.0
71°	1536.9	43.6	9.8	5.6	2.8	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	988.5	33.7	8.4	5.6	2.8	2.8	1.4	0.0	0.0	0.0	0.0
75°	417.6	28.1	8.4	5.6	4.2	2.8	2.8	1.4	0.0	0.0	0.0
77.5°	178.6	21.1	8.4	7.0	5.6	4.2	4.2	2.8	1.4	0.0	0.0
80°	67.5	16.9	9.8	8.4	7.0	7.0	5.6	2.8	1.4	0.0	0.0
82.5°	30.9	14.1	9.8	8.4	8.4	7.0	5.6	4.2	2.8	0.0	0.0
85°	19.7	12.7	9.8	8.4	8.4	7.0	7.0	4.2	2.8	0.0	0.0
87.5°	15.5	12.7	9.8	9.8	8.4	8.4	5.6	4.2	1.4	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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

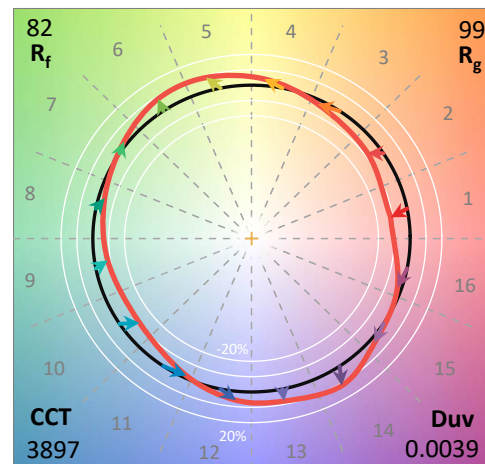
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

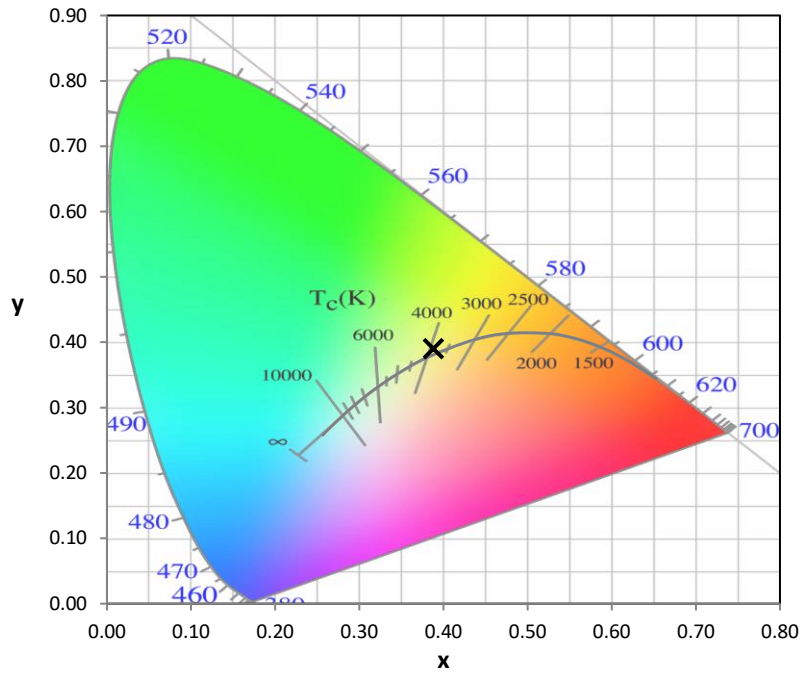
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

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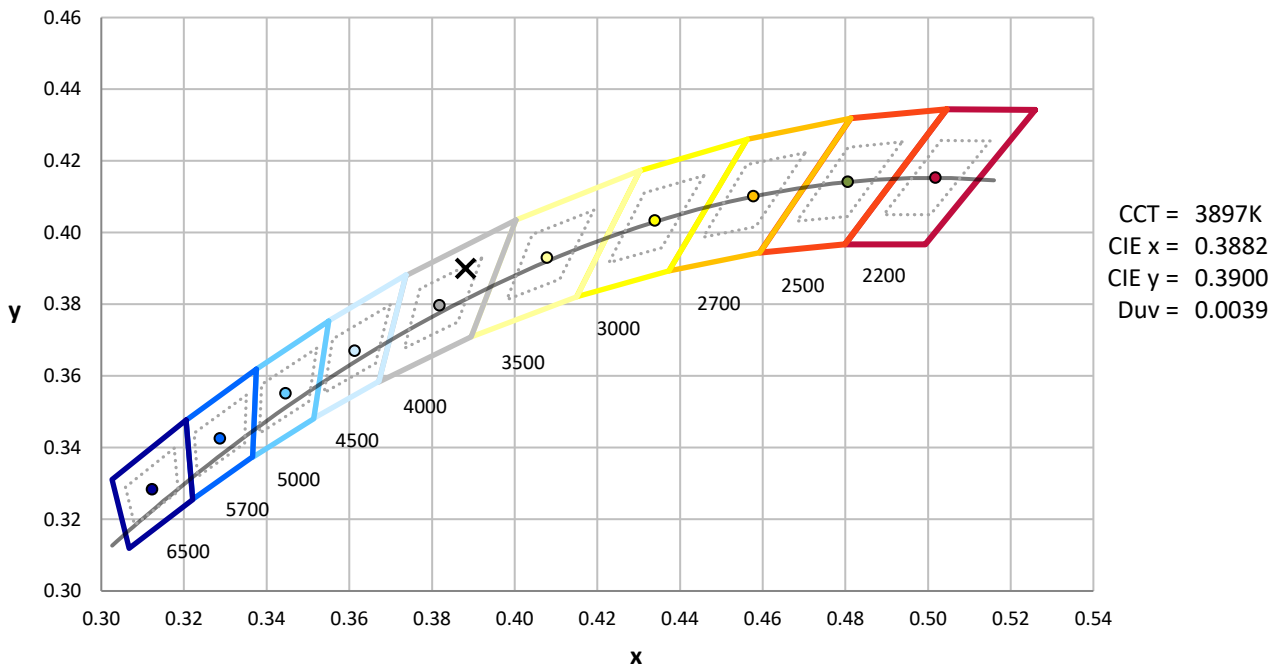
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



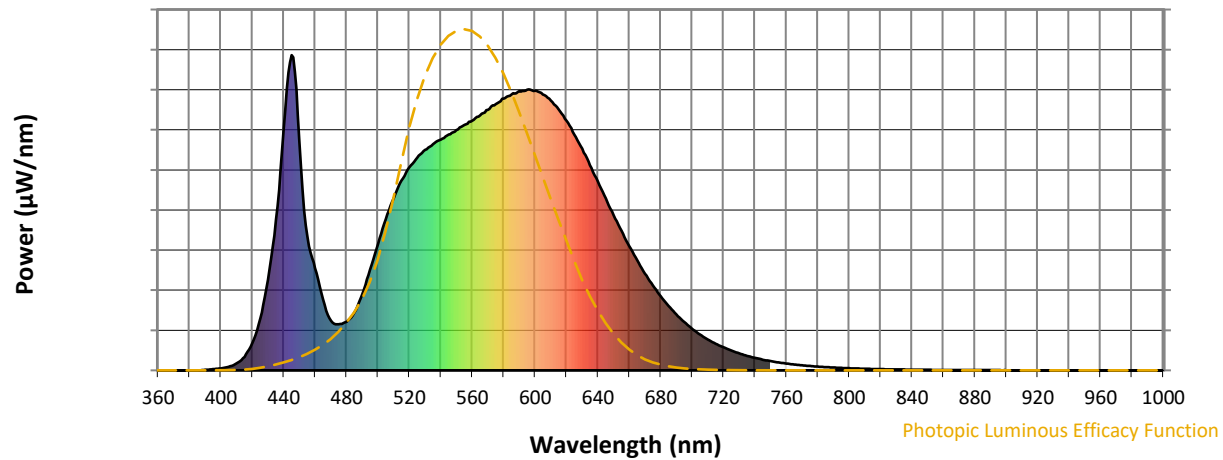
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

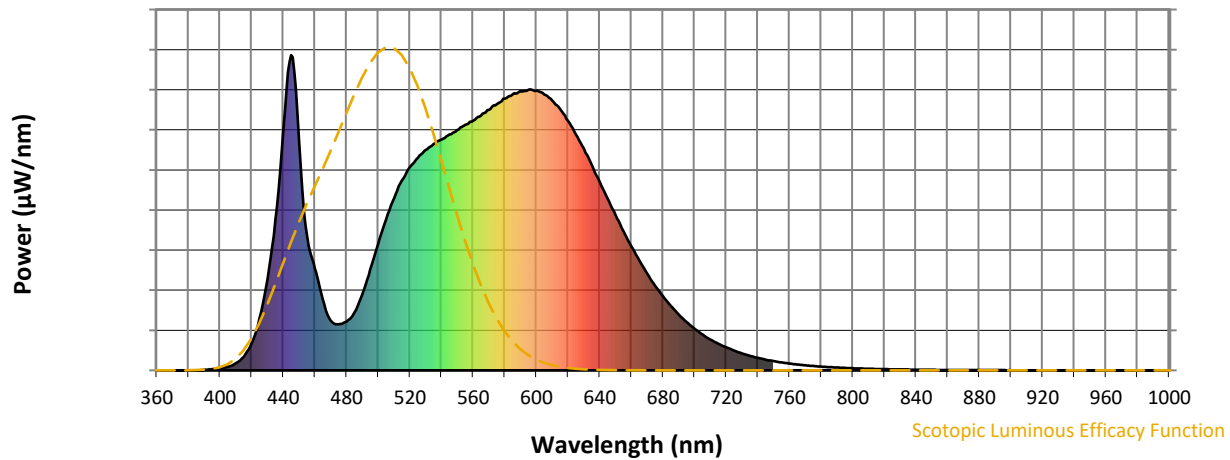


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



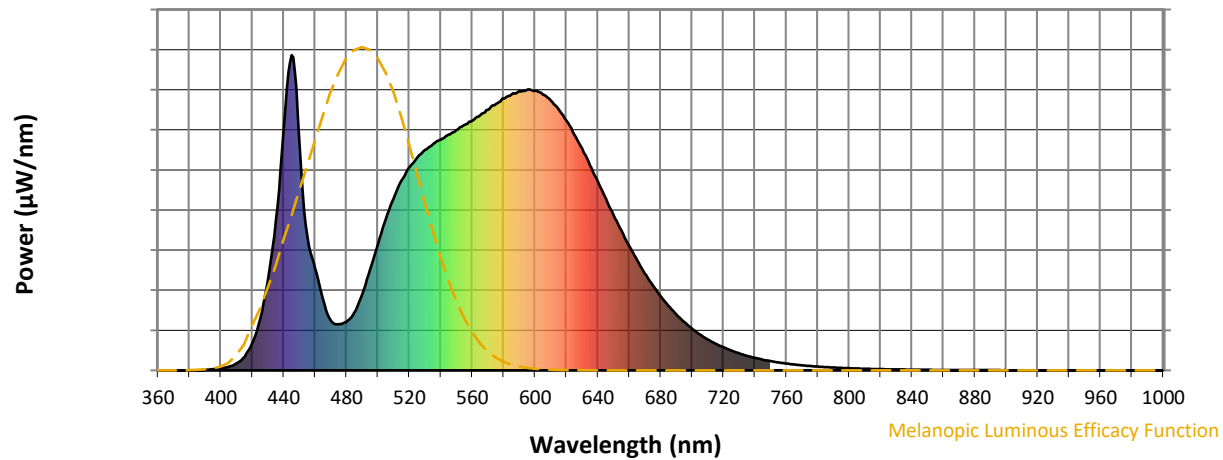
Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.06

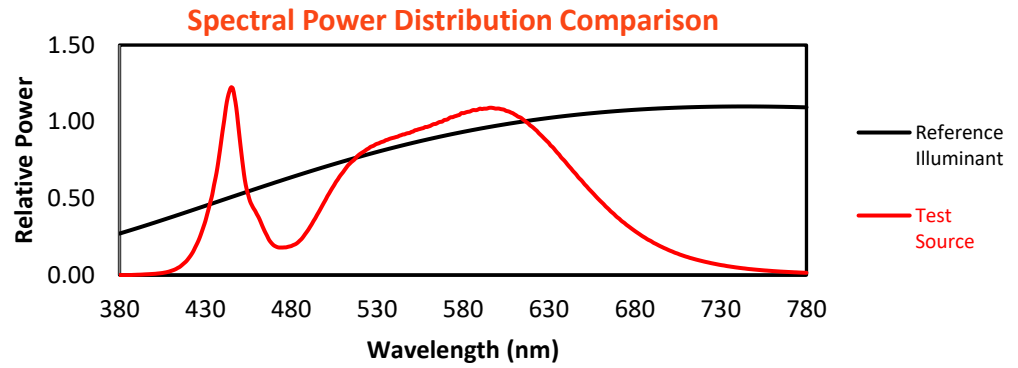
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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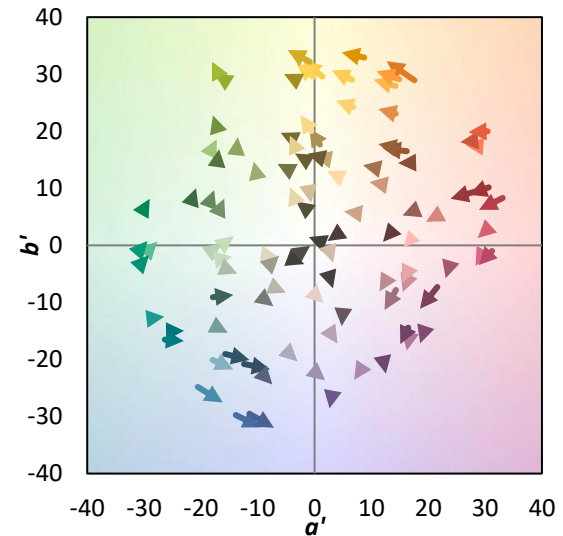
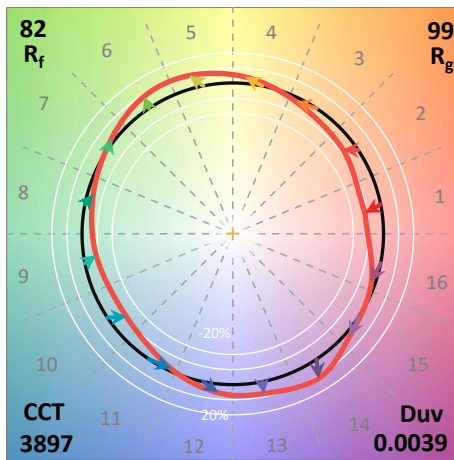
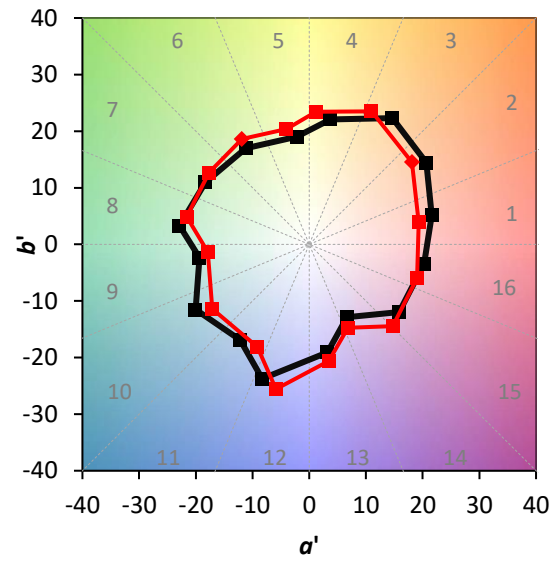
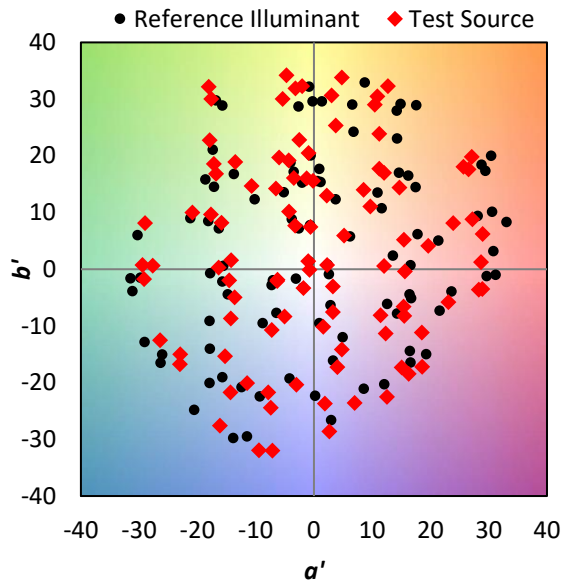
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 $CIE R_a = 80.2$
 $R_9 = 6.7$

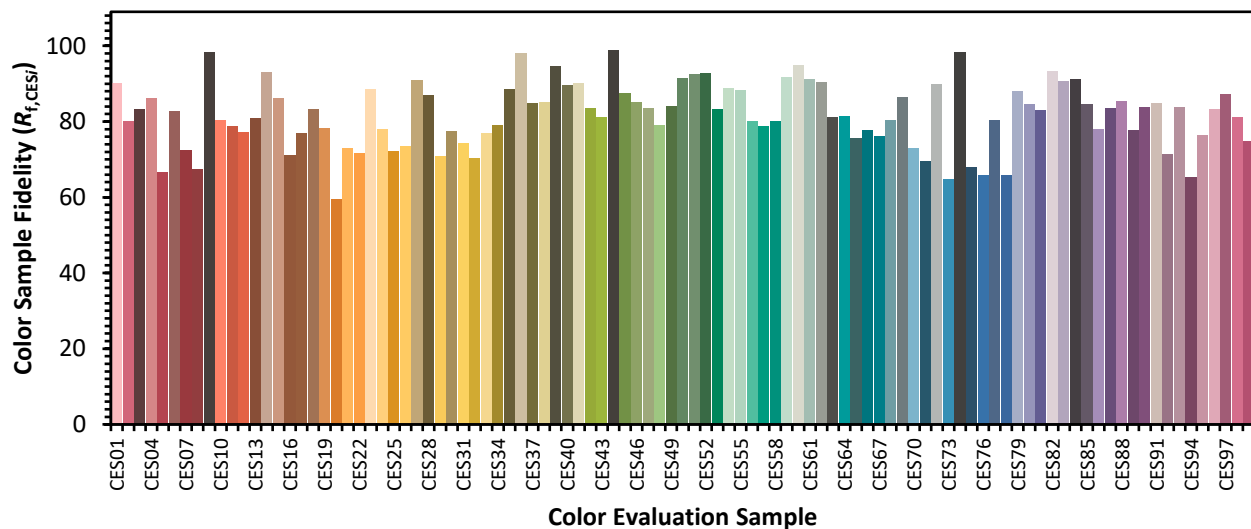


Color Vector Graphics

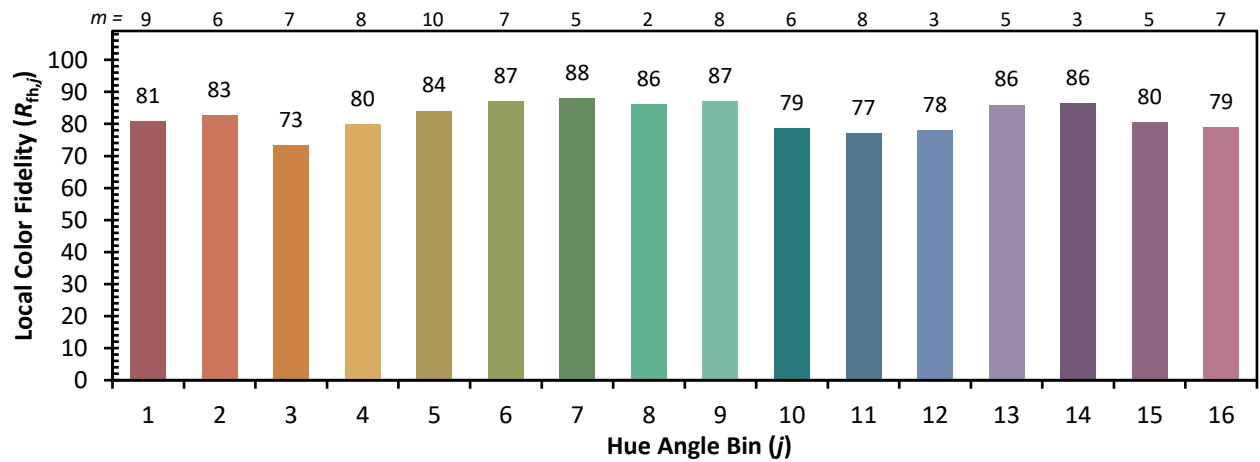
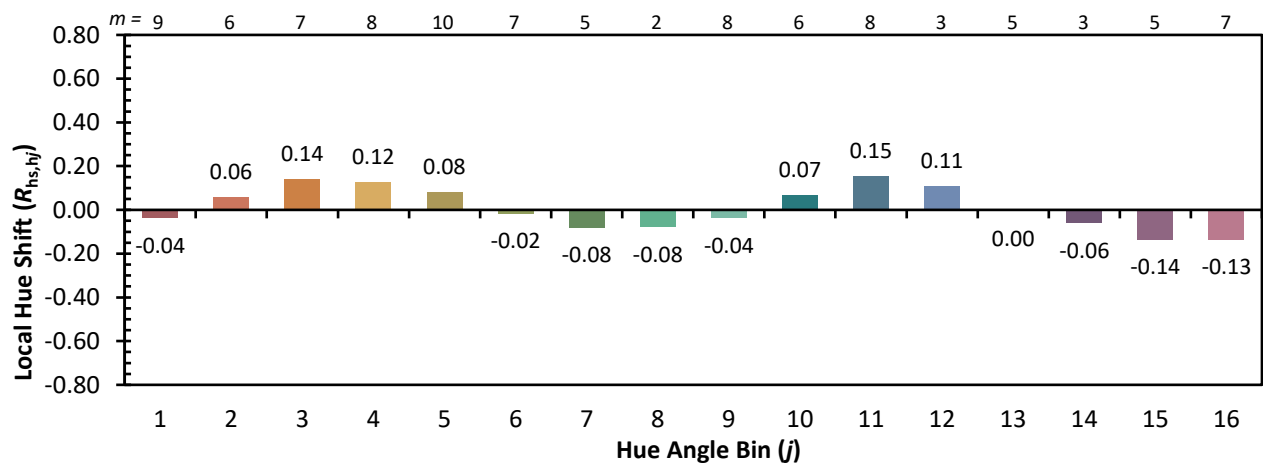
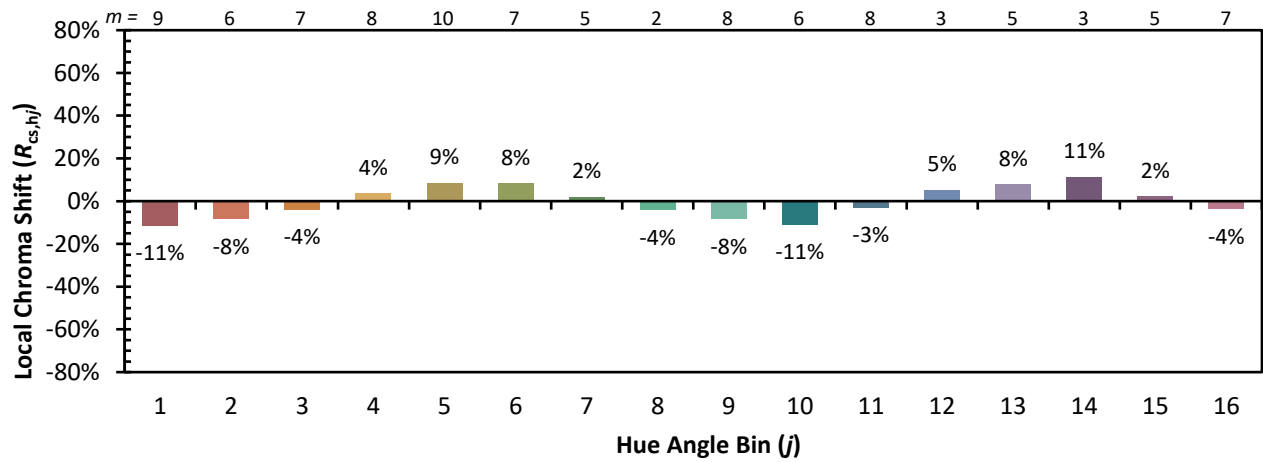


Individual Sample Fidelity Index ($R_{f,i}$)

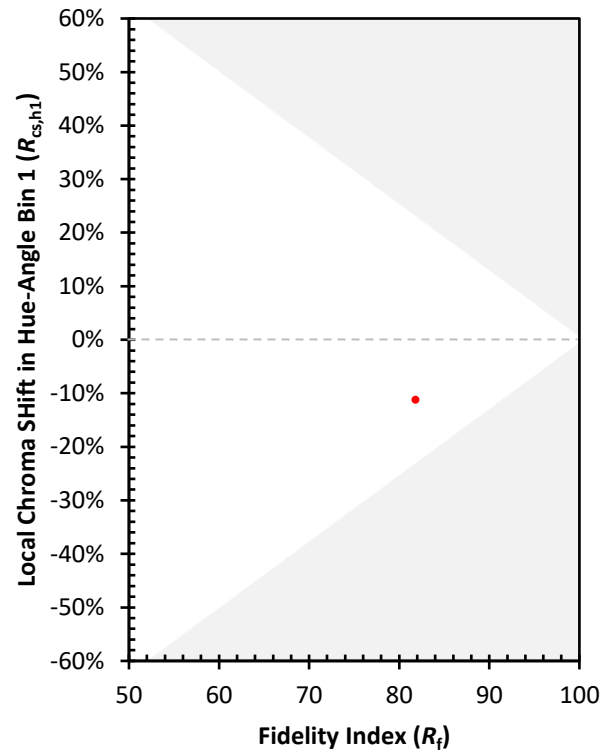
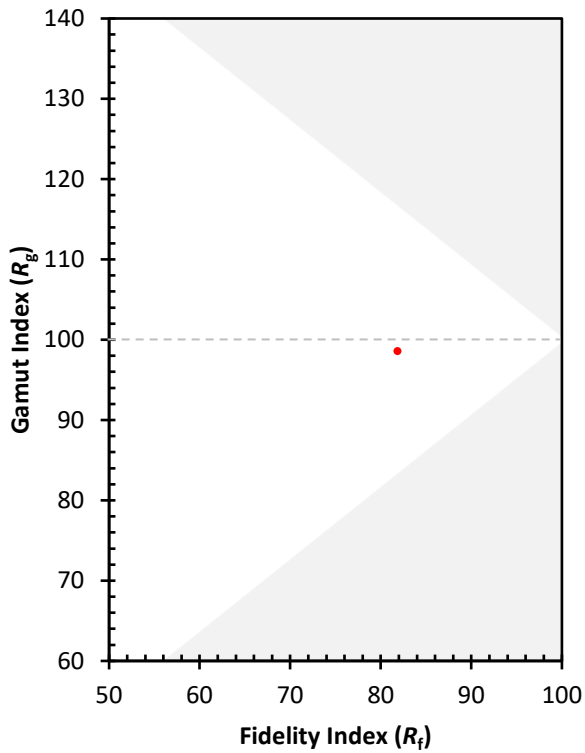
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)