

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: P1048539

Luminaire Tested: **GALN-SA4C-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048539
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20484.2 lumens
Efficiency: N/A
Efficacy: 107.6 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

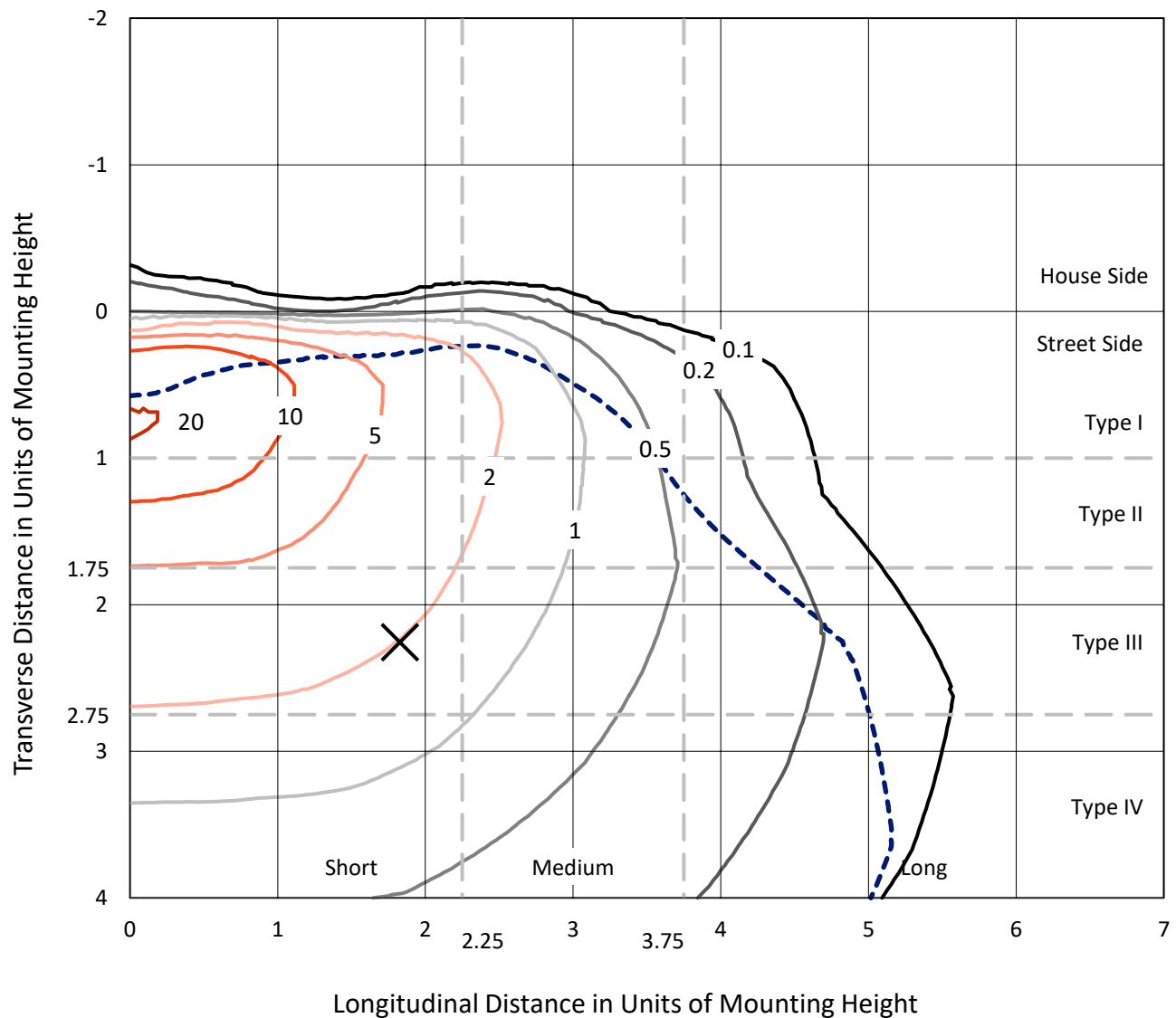


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CATALOG NUMBER: GALN-SA4C-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

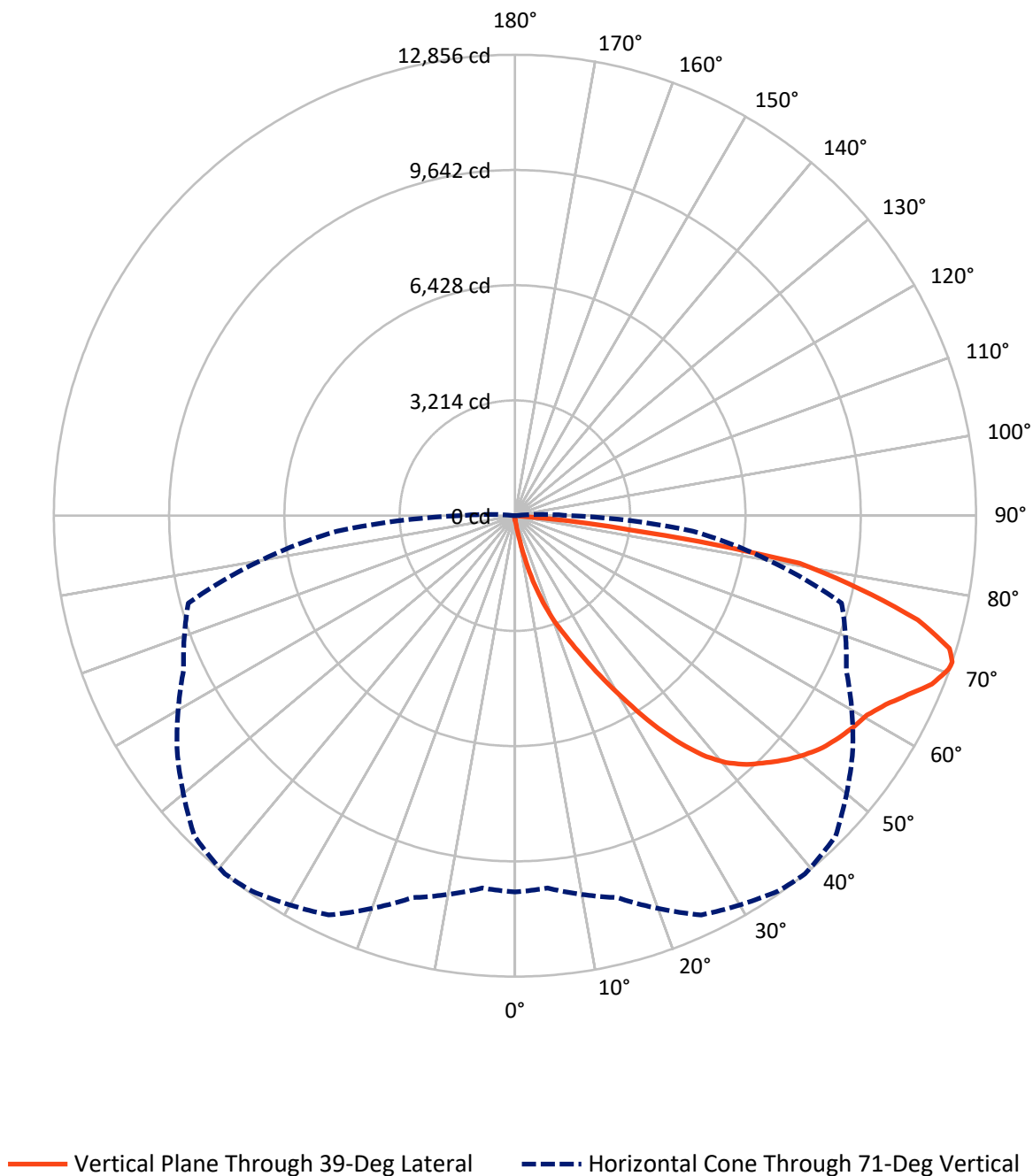


Based on 15 foot mounting height. Maximum calculated value = 21.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	72.8	0.0	72.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20411.4	0.0	20411.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	20484.2	0.0	20484.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.1
10°-20°	218.9	1.1
20°-30°	779.7	3.8
30°-40°	1879.1	9.2
40°-50°	3144.8	15.4
50°-60°	4039.1	19.7
60°-70°	5111.6	25.0
70°-80°	4557.2	22.2
80°-90°	736.6	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°	20484.2	100.0
0°-180°	20484.2	100.0



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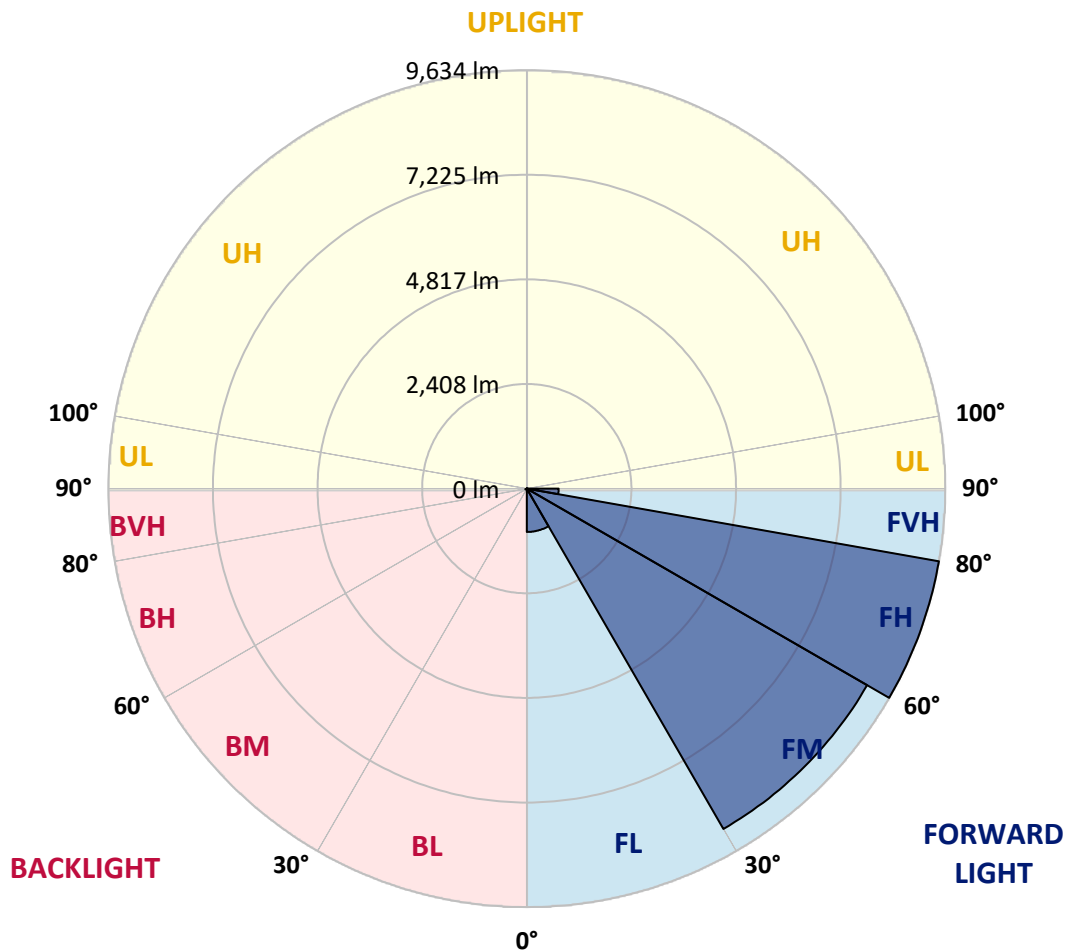
CATALOG NUMBER: GALN-SA4C-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	998.1	4.9			
FM	(30°-60°)	9046.2	44.2			
FH	(60°-80°)	9633.7	47.0			G4/12000
FVH	(80°-90°)	733.3	3.6			G4/750
BL	(0°-30°)	17.6	0.1	B0/110		
BM	(30°-60°)	16.8	0.1	B0/220		
BH	(60°-80°)	35.0	0.2	B0/110		G0/110
BVH	(80°-90°)	3.3	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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CATALOG NUMBER: GALN-SA4C-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3
2.5°	129.0	129.0	129.0	124.8	124.8	123.4	122.0	122.0	119.3	117.9	115.1
5°	195.5	191.4	181.7	176.1	165.0	158.1	151.1	141.4	131.7	124.8	116.5
7.5°	442.3	452.1	420.2	360.5	299.5	273.2	228.8	184.4	152.5	131.7	117.9
10°	1127.4	1121.8	1013.7	894.4	690.6	608.7	477.0	300.9	196.9	144.2	119.3
12.5°	1917.8	1912.2	1784.6	1622.4	1353.4	1182.8	933.2	561.6	282.9	163.6	119.3
15°	2582.0	2559.8	2519.6	2358.7	2044.0	1901.1	1571.1	992.9	457.6	196.9	122.0
17.5°	3021.6	3002.1	2964.7	2906.5	2706.8	2537.6	2272.8	1560.0	740.5	255.1	127.6
20°	3425.1	3411.2	3380.7	3369.6	3240.6	3150.5	2931.4	2211.7	1153.7	346.7	135.9
22.5°	3979.7	3950.6	3963.1	3896.5	3770.4	3662.2	3527.7	2894.0	1658.5	499.2	151.1
25°	4659.2	4645.3	4610.7	4563.5	4388.8	4294.5	4087.9	3537.4	2222.8	698.9	167.8
27.5°	5480.1	5464.9	5456.5	5348.4	5147.3	5044.7	4756.3	4144.8	2857.9	979.0	190.0
30°	6425.8	6432.8	6378.7	6240.0	6005.7	5861.5	5564.7	4781.2	3508.3	1307.6	213.5
32.5°	7404.8	7390.9	7307.7	7144.1	6934.7	6800.2	6423.1	5478.7	4190.5	1741.7	241.3
35°	8460.1	8433.7	8214.6	8027.4	7848.5	7679.4	7335.5	6288.5	4872.8	2228.4	278.7
37.5°	9525.0	9401.6	8962.0	8724.9	8601.5	8462.8	8142.5	7152.4	5550.8	2772.0	324.5
40°	10329.3	10233.6	9712.2	9275.4	9177.0	9059.1	8820.6	7898.5	6271.9	3355.7	379.9
42.5°	10774.4	10721.7	10253.0	9821.8	9590.2	9486.2	9282.4	8550.2	6984.7	4000.5	460.4
45°	10964.4	10882.6	10569.2	10368.1	9999.3	9827.3	9584.7	9042.5	7729.3	4732.7	572.7
47.5°	10906.2	10859.0	10634.4	10707.9	10440.2	10172.6	9816.2	9419.6	8365.8	5573.0	726.6
50°	10540.1	10499.9	10430.5	10828.5	10795.2	10479.1	10115.8	9717.8	8885.8	6439.7	965.1
52.5°	9844.0	9827.3	10004.8	10734.2	10996.3	10749.5	10404.2	9981.2	9371.1	7345.2	1306.2
55°	8946.8	9014.7	9522.3	10587.2	11098.9	10949.1	10659.3	10228.1	9760.8	8155.0	1809.6
57.5°	8577.9	8596.0	9229.7	10483.2	11144.7	11125.2	10907.5	10463.8	10118.5	8802.6	2577.8
60°	9009.2	8981.5	9315.6	10562.3	11236.2	11283.3	11128.0	10682.9	10429.1	9358.6	3601.2
62.5°	9788.5	9773.2	9880.0	10899.2	11503.8	11599.5	11434.5	10841.0	10703.7	9724.7	4768.8
65°	10484.6	10452.7	10651.0	11496.9	11973.9	12041.8	11897.6	11111.4	10824.3	9991.0	5865.6
67.5°	10785.5	10778.6	11097.5	12065.4	12467.5	12541.0	12414.9	11484.4	10796.6	10075.5	6349.6
70°	10648.2	10621.9	11132.2	12306.7	12746.3	12829.5	12707.4	11623.1	10495.7	9807.9	5632.7
71°	10497.1	10426.4	11028.2	12290.1	12785.1	12855.8	12642.3	11496.9	10193.4	9428.0	4982.3
72.5°	10028.4	10040.9	10742.5	12116.7	12692.2	12671.4	12273.4	11044.8	9828.7	8565.5	4001.9
75°	8874.7	8948.2	9817.6	11388.7	11863.0	11598.1	10989.4	10180.9	9096.6	6141.6	2778.9
77.5°	7252.3	7361.8	8317.2	9988.2	9853.7	9827.3	9802.4	8970.4	7768.1	3298.9	1933.0
80°	3462.5	3699.6	5017.0	7130.3	7745.9	8044.1	7856.9	7228.7	6007.1	1571.1	1155.1
82.5°	226.0	223.3	316.2	599.0	2525.1	3264.2	5186.1	5166.7	4187.7	765.4	471.5
85°	106.8	109.5	120.6	137.3	159.5	174.7	241.3	1414.4	2003.7	364.7	102.6
87.5°	62.4	63.8	74.9	95.7	124.8	138.7	165.0	212.2	260.7	201.1	22.2
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: P1048539

CATALOG NUMBER: GALN-SA4C-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3
2.5°	113.7	112.3	108.2	104.0	99.8	97.1	95.7	97.1	97.1	98.5	98.5
5°	113.7	109.5	102.6	94.3	88.7	83.2	80.4	79.0	80.4	80.4	80.4
7.5°	112.3	105.4	95.7	86.0	79.0	72.1	69.3	67.9	67.9	69.3	69.3
10°	109.5	102.6	90.1	79.0	70.7	62.4	58.2	54.1	54.1	54.1	55.5
12.5°	108.2	98.5	83.2	72.1	61.0	51.3	43.0	38.8	40.2	40.2	40.2
15°	105.4	94.3	79.0	65.2	51.3	38.8	31.9	27.7	29.1	30.5	29.1
17.5°	105.4	92.9	73.5	56.9	40.2	29.1	23.6	20.8	20.8	22.2	22.2
20°	105.4	90.1	69.3	48.5	30.5	22.2	16.6	15.3	15.3	18.0	19.4
22.5°	108.2	90.1	63.8	40.2	25.0	16.6	12.5	11.1	12.5	15.3	16.6
25°	112.3	88.7	58.2	36.1	20.8	12.5	9.7	6.9	8.3	11.1	12.5
27.5°	116.5	87.4	52.7	31.9	16.6	9.7	6.9	5.5	4.2	5.5	5.5
30°	120.6	87.4	47.1	26.3	13.9	6.9	4.2	2.8	1.4	0.0	0.0
32.5°	123.4	84.6	43.0	20.8	11.1	5.5	2.8	1.4	0.0	0.0	0.0
35°	126.2	81.8	37.4	16.6	8.3	4.2	1.4	0.0	0.0	0.0	0.0
37.5°	129.0	77.7	31.9	13.9	6.9	2.8	0.0	0.0	0.0	0.0	0.0
40°	131.7	72.1	26.3	12.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	134.5	67.9	22.2	9.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	141.4	65.2	18.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	153.9	62.4	16.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	171.9	59.6	15.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	196.9	58.2	13.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	241.3	56.9	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	317.5	55.5	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	486.7	52.7	12.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	869.4	51.3	11.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1515.6	52.7	11.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2172.9	55.5	9.7	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	1859.5	48.5	9.7	5.5	2.8	1.4	0.0	0.0	0.0	0.0	0.0
71°	1515.6	43.0	9.7	5.5	2.8	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	974.8	33.3	8.3	5.5	2.8	2.8	1.4	0.0	0.0	0.0	0.0
75°	411.8	27.7	8.3	5.5	4.2	2.8	2.8	1.4	0.0	0.0	0.0
77.5°	176.1	20.8	8.3	6.9	5.5	4.2	4.2	2.8	1.4	0.0	0.0
80°	66.6	16.6	9.7	8.3	6.9	6.9	5.5	2.8	1.4	0.0	0.0
82.5°	30.5	13.9	9.7	8.3	8.3	6.9	5.5	4.2	2.8	0.0	0.0
85°	19.4	12.5	9.7	8.3	8.3	6.9	6.9	4.2	2.8	0.0	0.0
87.5°	15.3	12.5	9.7	9.7	8.3	8.3	5.5	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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

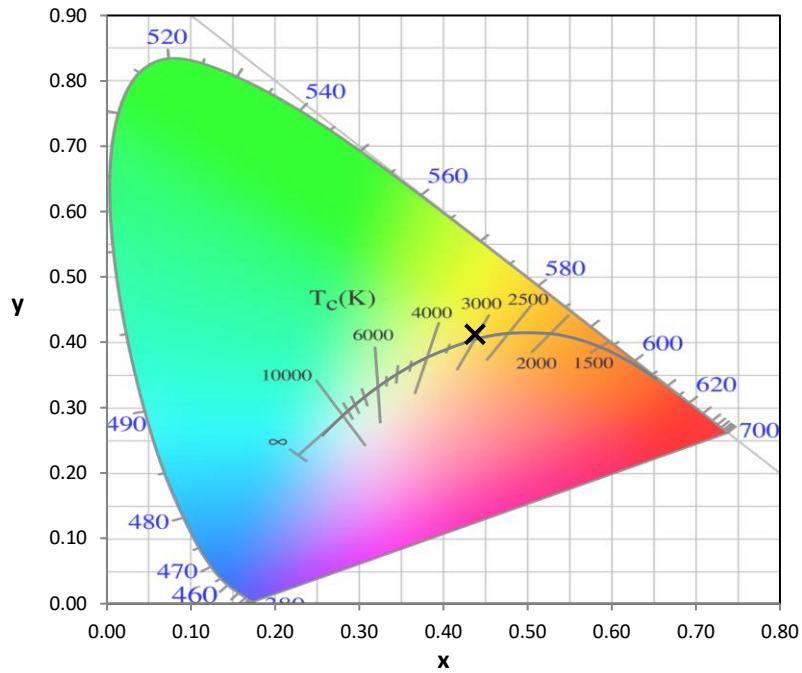
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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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 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

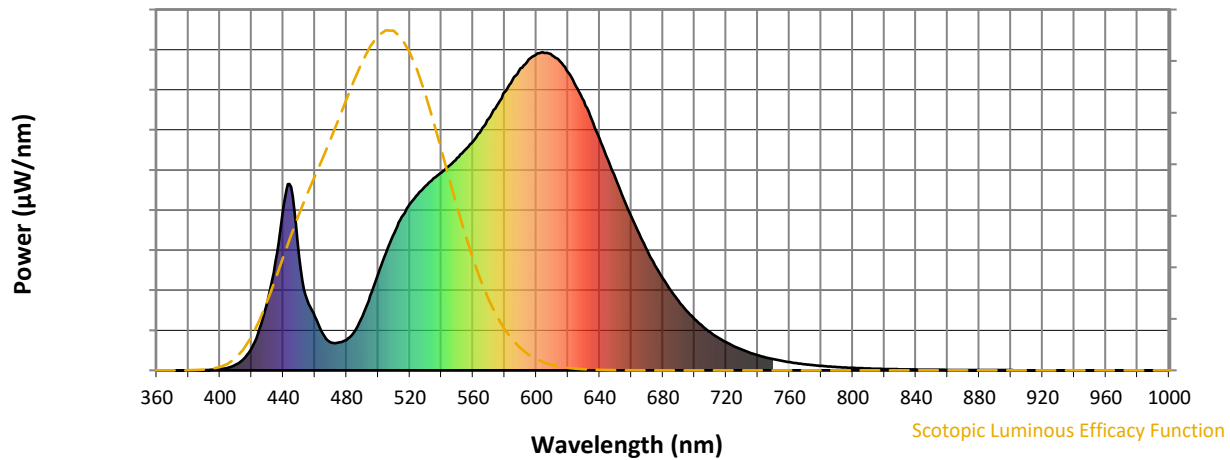


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



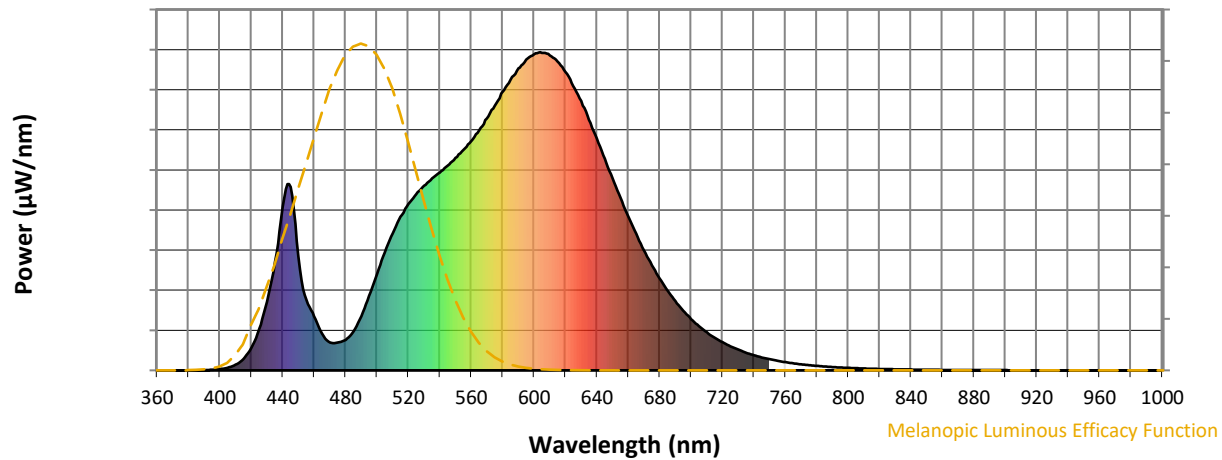
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

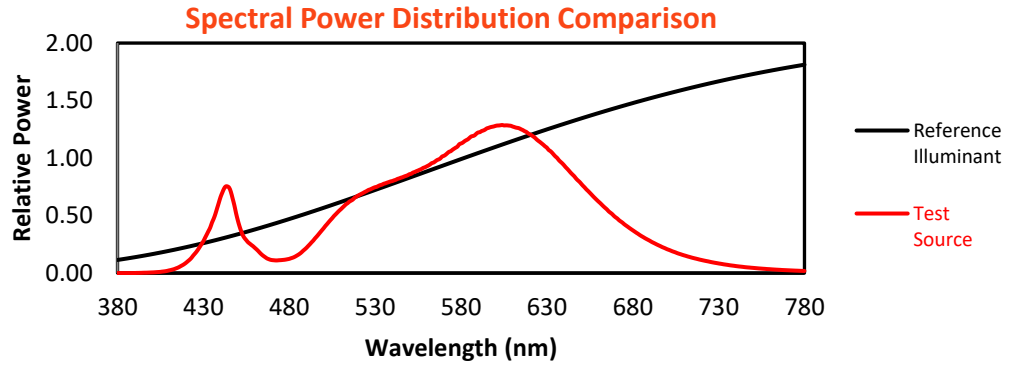
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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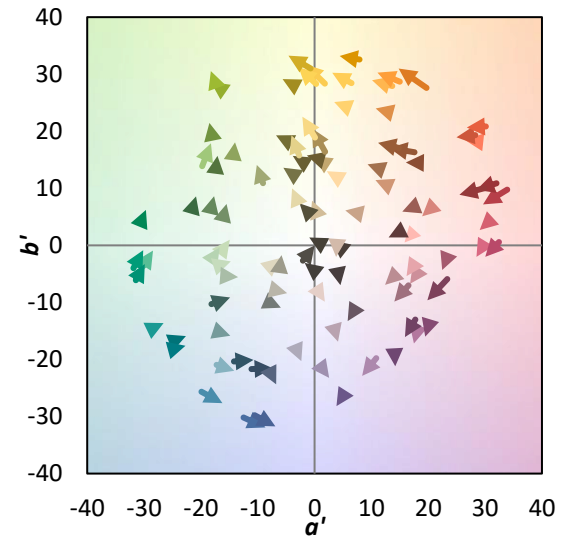
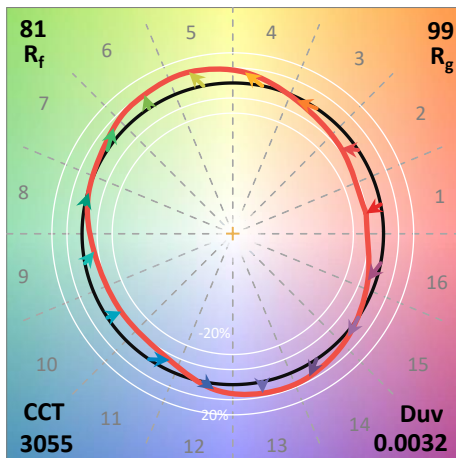
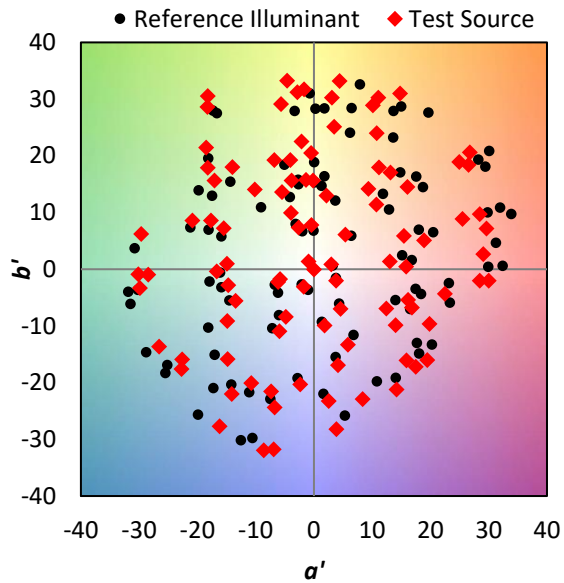
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$



Color Vector Graphics

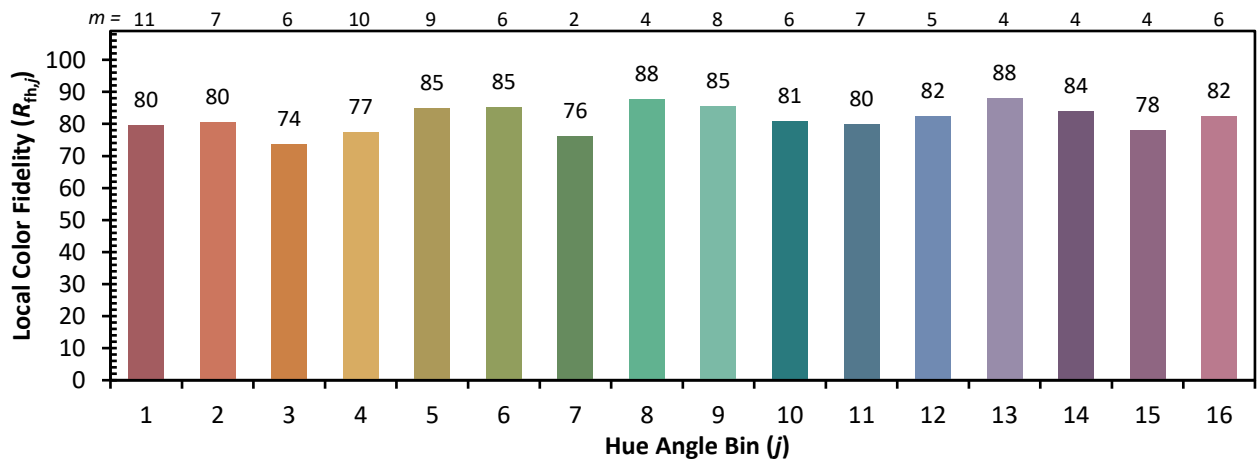
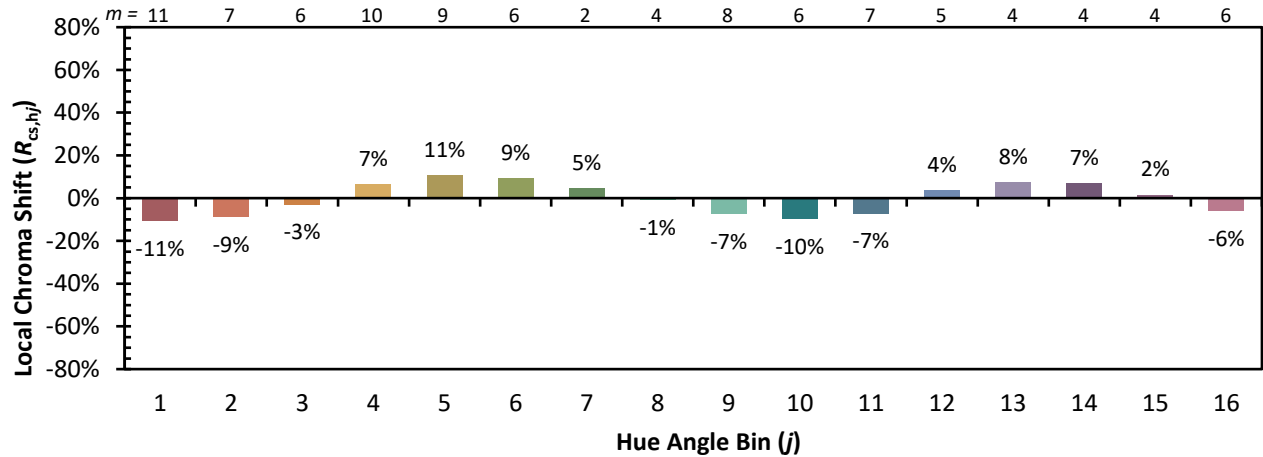


Individual Sample Fidelity Index ($R_{f,i}$)

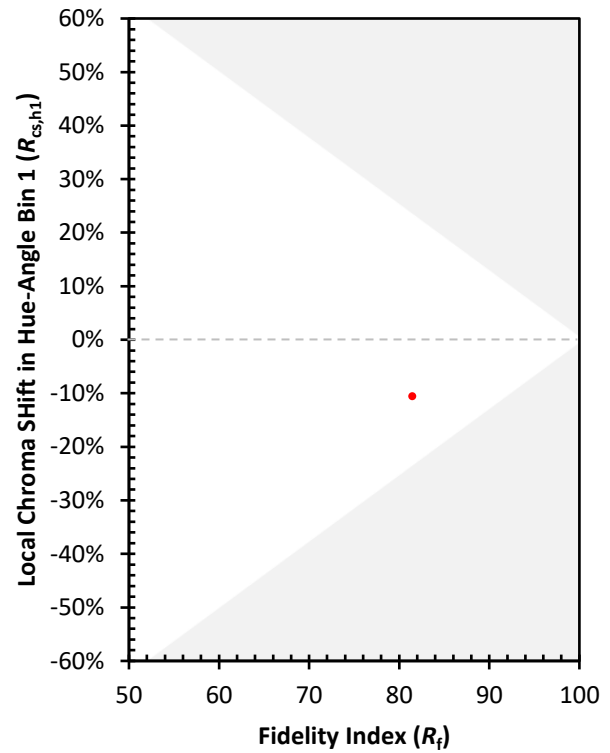
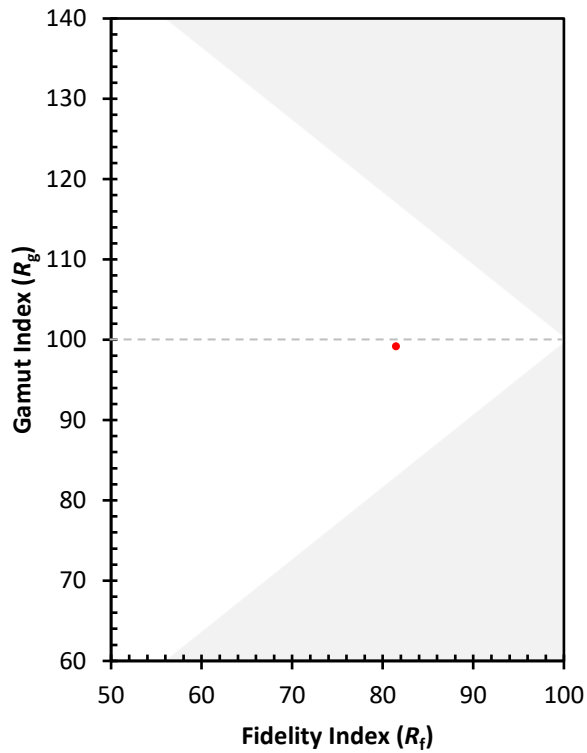
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)