

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: P1048542

Luminaire Tested: **GALN-SA5B-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048542
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20289.5 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
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

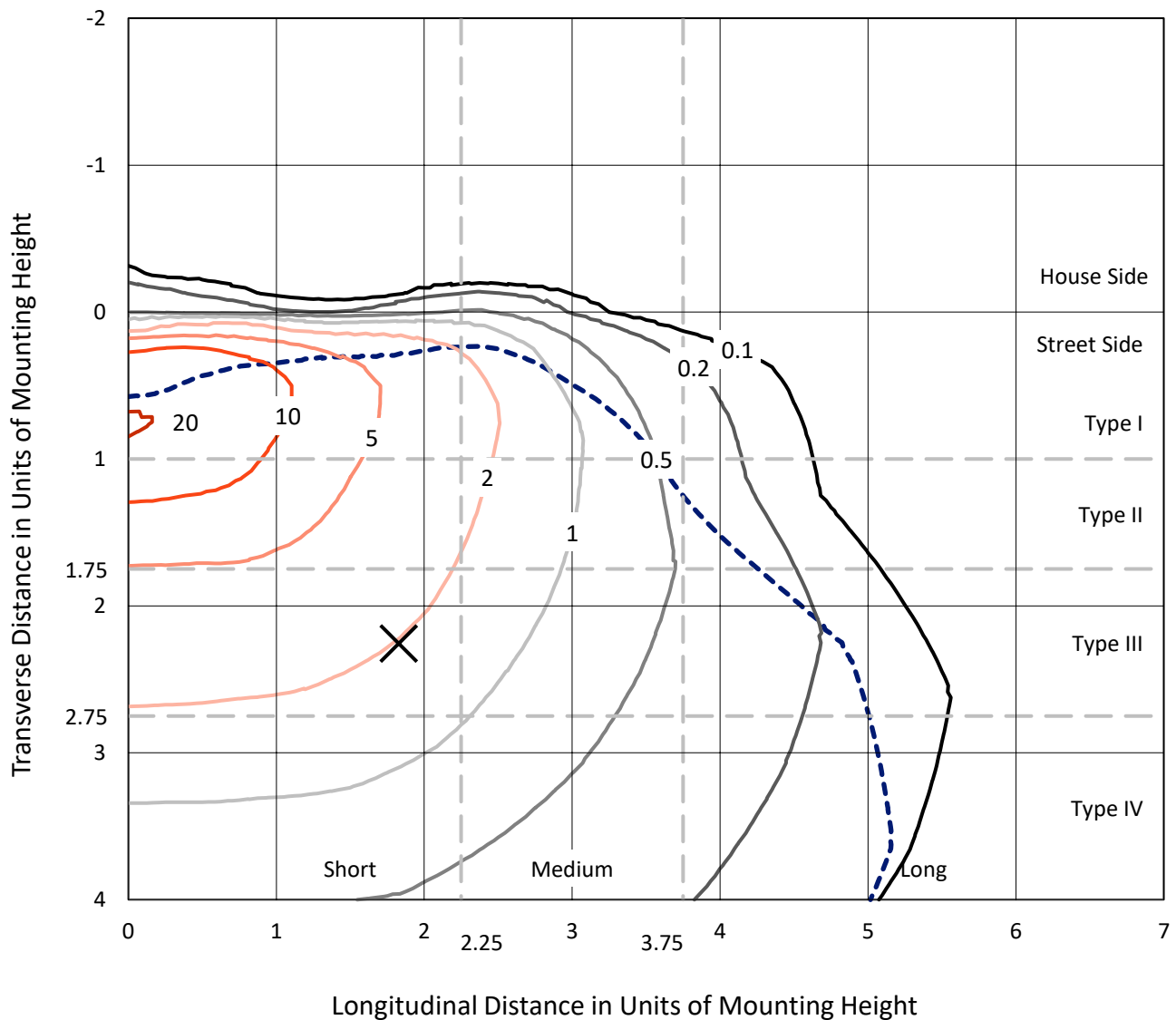


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CATALOG NUMBER: GALN-SA5B-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

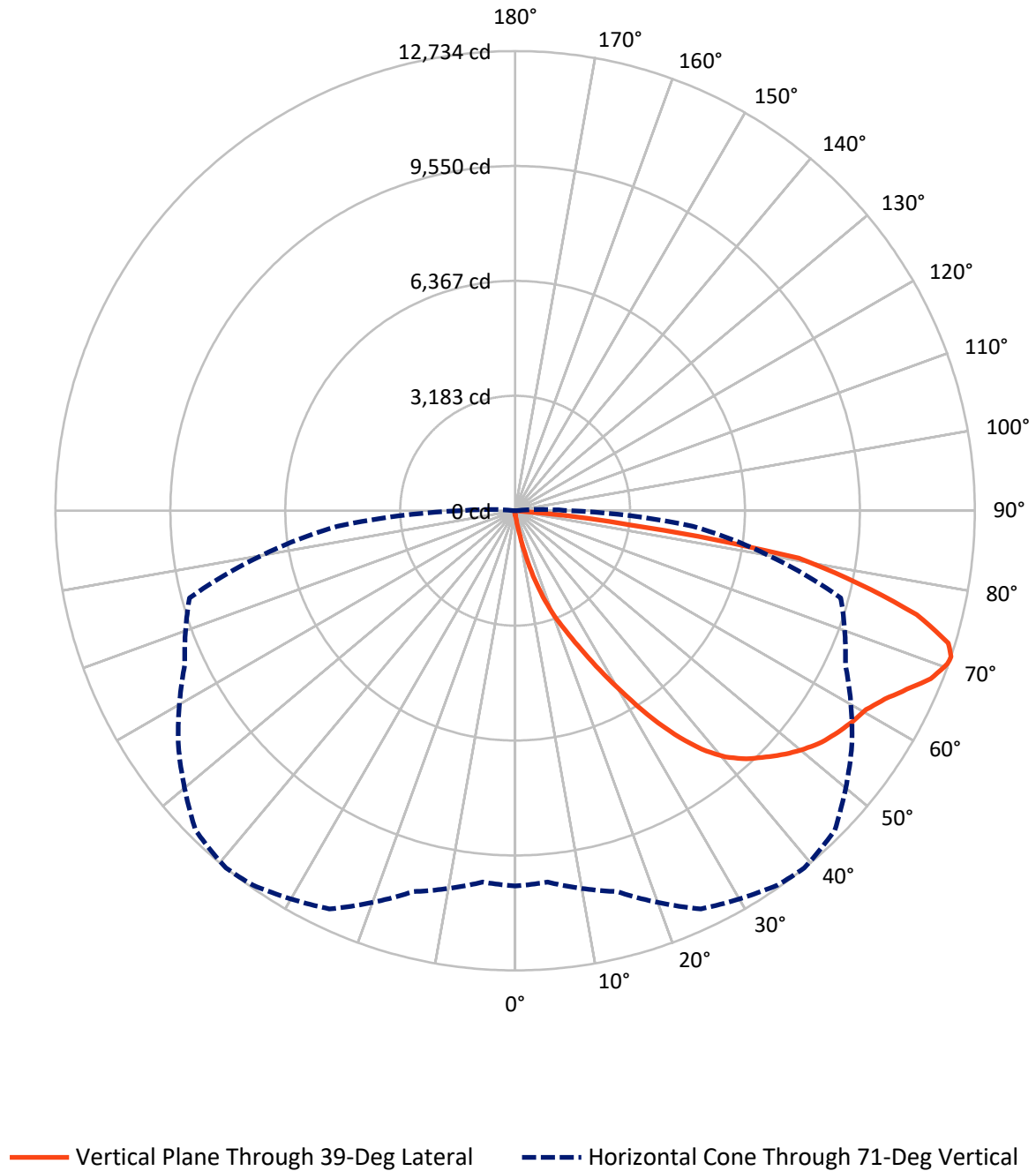


Based on 15 foot mounting height. Maximum calculated value = 20.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	72.1	0.0	72.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20217.4	0.0	20217.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	20289.5	0.0	20289.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.1
10°-20°	216.9	1.1
20°-30°	772.3	3.8
30°-40°	1861.2	9.2
40°-50°	3114.9	15.4
50°-60°	4000.8	19.7
60°-70°	5063.0	25.0
70°-80°	4513.9	22.2
80°-90°	729.6	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°	20289.5	100.0
0°-180°	20289.5	100.0



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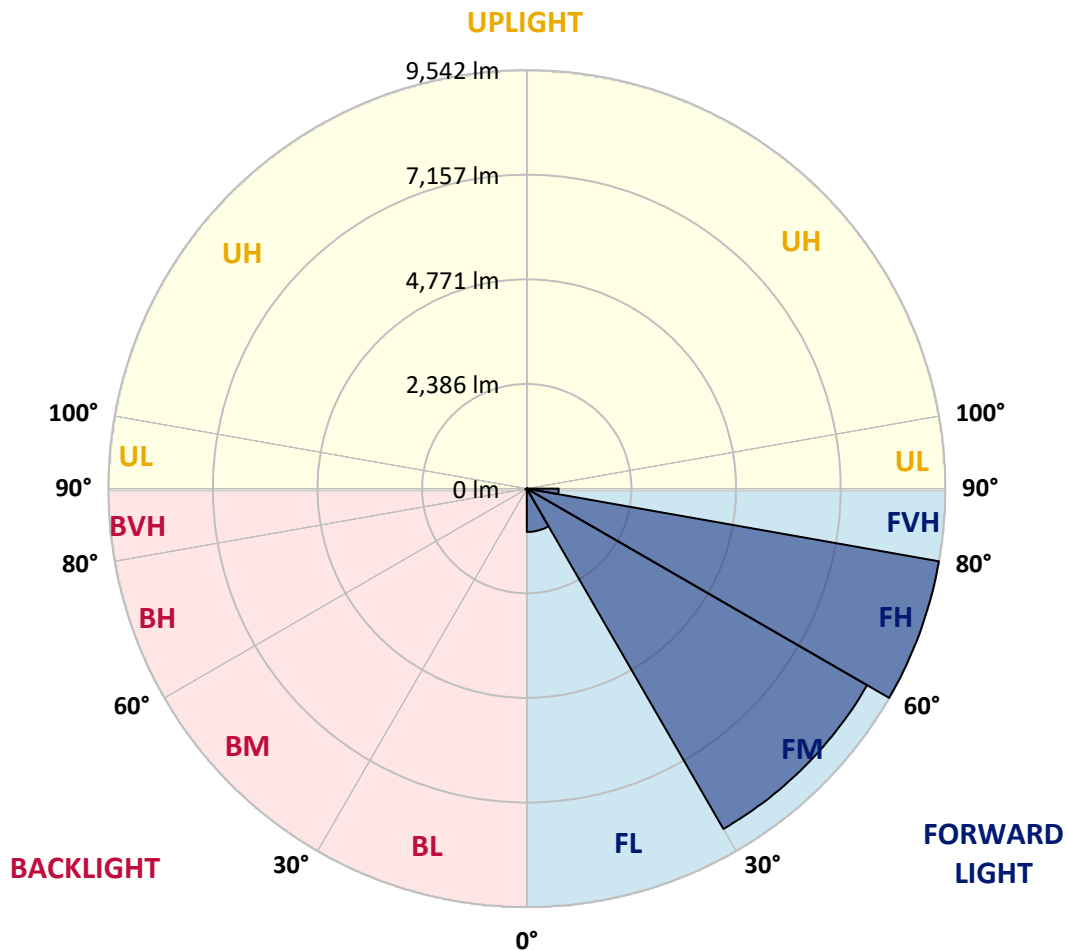
CATALOG NUMBER: GALN-SA5B-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	988.6	4.9			
FM	(30°-60°)	8960.2	44.2			
FH	(60°-80°)	9542.2	47.0			G4/12000
FVH	(80°-90°)	726.3	3.6			G4/750
BL	(0°-30°)	17.4	0.1	B0/110		
BM	(30°-60°)	16.7	0.1	B0/220		
BH	(60°-80°)	34.7	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



REPORT NUMBER: P1048542

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3
2.5°	127.7	127.7	127.7	123.6	123.6	122.2	120.9	120.9	118.1	116.7	114.0
5°	193.7	189.5	179.9	174.4	163.4	156.6	149.7	140.1	130.5	123.6	115.4
7.5°	438.1	447.8	416.2	357.1	296.7	270.6	226.6	182.7	151.1	130.5	116.7
10°	1116.6	1111.2	1004.0	885.9	684.0	603.0	472.5	298.0	195.0	142.8	118.1
12.5°	1899.5	1894.0	1767.7	1607.0	1340.5	1171.6	924.4	556.3	280.2	162.1	118.1
15°	2557.4	2535.5	2495.6	2336.3	2024.5	1883.1	1556.2	983.4	453.3	195.0	120.9
17.5°	2992.8	2973.6	2936.5	2878.8	2681.1	2513.5	2251.2	1545.2	733.4	252.7	126.4
20°	3392.5	3378.8	3348.6	3337.6	3209.8	3120.6	2903.6	2190.7	1142.7	343.4	134.6
22.5°	3941.9	3913.1	3925.4	3859.5	3734.5	3627.4	3494.2	2866.5	1642.7	494.5	149.7
25°	4614.9	4601.2	4566.9	4520.2	4347.1	4253.7	4049.0	3503.8	2201.7	692.2	166.2
27.5°	5428.0	5412.9	5404.7	5297.6	5098.4	4996.8	4711.1	4105.4	2830.8	969.7	188.2
30°	6364.8	6371.6	6318.1	6180.7	5948.6	5805.7	5511.8	4735.8	3474.9	1295.2	211.5
32.5°	7334.4	7320.7	7238.3	7076.2	6868.8	6735.6	6362.0	5426.7	4150.7	1725.1	239.0
35°	8379.7	8353.6	8136.6	7951.1	7774.0	7606.4	7265.8	6228.8	4826.4	2207.2	276.1
37.5°	9434.5	9312.3	8876.9	8642.0	8519.8	8382.4	8065.1	7084.5	5498.1	2745.6	321.4
40°	10231.1	10136.4	9619.9	9187.3	9089.8	8973.0	8736.8	7823.4	6212.3	3323.8	376.3
42.5°	10672.0	10619.8	10155.6	9728.4	9499.1	9396.0	9194.1	8468.9	6918.3	3962.5	456.0
45°	10860.2	10779.1	10468.7	10269.6	9904.2	9733.9	9493.6	8956.5	7655.8	4687.7	567.3
47.5°	10802.5	10755.8	10533.3	10606.1	10341.0	10075.9	9722.9	9330.1	8286.3	5520.1	719.7
50°	10439.9	10400.1	10331.4	10725.6	10692.6	10379.5	10019.6	9625.4	8801.3	6378.5	955.9
52.5°	9750.4	9733.9	9909.7	10632.2	10891.8	10647.3	10305.3	9886.4	9282.0	7275.4	1293.8
55°	8861.8	8929.1	9431.8	10486.6	10993.4	10845.1	10558.0	10130.9	9668.0	8077.5	1792.4
57.5°	8496.4	8514.3	9141.9	10383.6	11038.7	11019.5	10803.9	10364.4	10022.4	8718.9	2553.3
60°	8923.6	8896.1	9227.1	10461.9	11129.4	11176.1	11022.3	10581.4	10330.0	9269.7	3567.0
62.5°	9695.5	9680.4	9786.1	10795.6	11394.5	11489.2	11325.8	10737.9	10602.0	9632.3	4723.4
65°	10385.0	10353.4	10549.8	11387.6	11860.1	11927.4	11784.5	11005.8	10721.5	9896.0	5809.9
67.5°	10683.0	10676.1	10992.0	11950.7	12349.0	12421.8	12296.9	11375.2	10694.0	9979.8	6289.2
70°	10547.0	10520.9	11026.4	12189.7	12625.1	12707.5	12586.7	11512.6	10395.9	9714.7	5579.1
71°	10397.3	10327.3	10923.4	12173.2	12663.6	12733.6	12522.1	11387.6	10096.5	9338.4	4934.9
72.5°	9933.1	9945.4	10640.4	12001.6	12571.6	12551.0	12156.8	10939.8	9735.3	8484.0	3963.9
75°	8790.3	8863.1	9724.3	11280.5	11750.2	11487.9	10884.9	10084.2	9010.1	6083.2	2752.5
77.5°	7183.4	7291.9	8238.2	9893.2	9760.0	9733.9	9709.2	8885.1	7694.3	3267.5	1914.6
80°	3429.6	3664.5	4969.3	7062.5	7672.3	7967.6	7782.2	7160.0	5950.0	1556.2	1144.1
82.5°	223.9	221.1	313.2	593.3	2501.1	3233.2	5136.9	5117.6	4147.9	758.2	467.0
85°	105.8	108.5	119.5	136.0	158.0	173.1	239.0	1401.0	1984.7	361.2	101.6
87.5°	61.8	63.2	74.2	94.8	123.6	137.3	163.4	210.1	258.2	199.2	22.0
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-SA5B-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3
2.5°	112.6	111.3	107.1	103.0	98.9	96.1	94.8	96.1	96.1	97.5	97.5
5°	112.6	108.5	101.6	93.4	87.9	82.4	79.7	78.3	79.7	79.7	79.7
7.5°	111.3	104.4	94.8	85.2	78.3	71.4	68.7	67.3	67.3	68.7	68.7
10°	108.5	101.6	89.3	78.3	70.0	61.8	57.7	53.6	53.6	53.6	54.9
12.5°	107.1	97.5	82.4	71.4	60.4	50.8	42.6	38.5	39.8	39.8	39.8
15°	104.4	93.4	78.3	64.6	50.8	38.5	31.6	27.5	28.8	30.2	28.8
17.5°	104.4	92.0	72.8	56.3	39.8	28.8	23.3	20.6	20.6	22.0	22.0
20°	104.4	89.3	68.7	48.1	30.2	22.0	16.5	15.1	15.1	17.9	19.2
22.5°	107.1	89.3	63.2	39.8	24.7	16.5	12.4	11.0	12.4	15.1	16.5
25°	111.3	87.9	57.7	35.7	20.6	12.4	9.6	6.9	8.2	11.0	12.4
27.5°	115.4	86.5	52.2	31.6	16.5	9.6	6.9	5.5	4.1	5.5	5.5
30°	119.5	86.5	46.7	26.1	13.7	6.9	4.1	2.7	1.4	0.0	0.0
32.5°	122.2	83.8	42.6	20.6	11.0	5.5	2.7	1.4	0.0	0.0	0.0
35°	125.0	81.0	37.1	16.5	8.2	4.1	1.4	0.0	0.0	0.0	0.0
37.5°	127.7	76.9	31.6	13.7	6.9	2.7	0.0	0.0	0.0	0.0	0.0
40°	130.5	71.4	26.1	12.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	133.2	67.3	22.0	9.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	140.1	64.6	17.9	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	152.5	61.8	16.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	170.3	59.1	15.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	195.0	57.7	13.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	239.0	56.3	12.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	314.5	54.9	12.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	482.1	52.2	12.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	861.2	50.8	11.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1501.2	52.2	11.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2152.3	54.9	9.6	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	1841.9	48.1	9.6	5.5	2.7	1.4	0.0	0.0	0.0	0.0	0.0
71°	1501.2	42.6	9.6	5.5	2.7	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	965.6	33.0	8.2	5.5	2.7	2.7	1.4	0.0	0.0	0.0	0.0
75°	407.9	27.5	8.2	5.5	4.1	2.7	2.7	1.4	0.0	0.0	0.0
77.5°	174.4	20.6	8.2	6.9	5.5	4.1	4.1	2.7	1.4	0.0	0.0
80°	65.9	16.5	9.6	8.2	6.9	6.9	5.5	2.7	1.4	0.0	0.0
82.5°	30.2	13.7	9.6	8.2	8.2	6.9	5.5	4.1	2.7	0.0	0.0
85°	19.2	12.4	9.6	8.2	8.2	6.9	6.9	4.1	2.7	0.0	0.0
87.5°	15.1	12.4	9.6	9.6	8.2	8.2	5.5	4.1	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

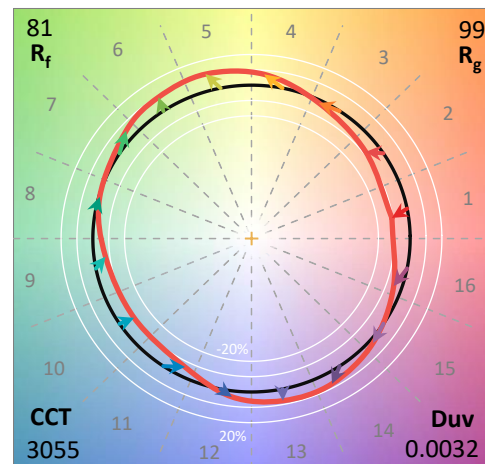
Test Information

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

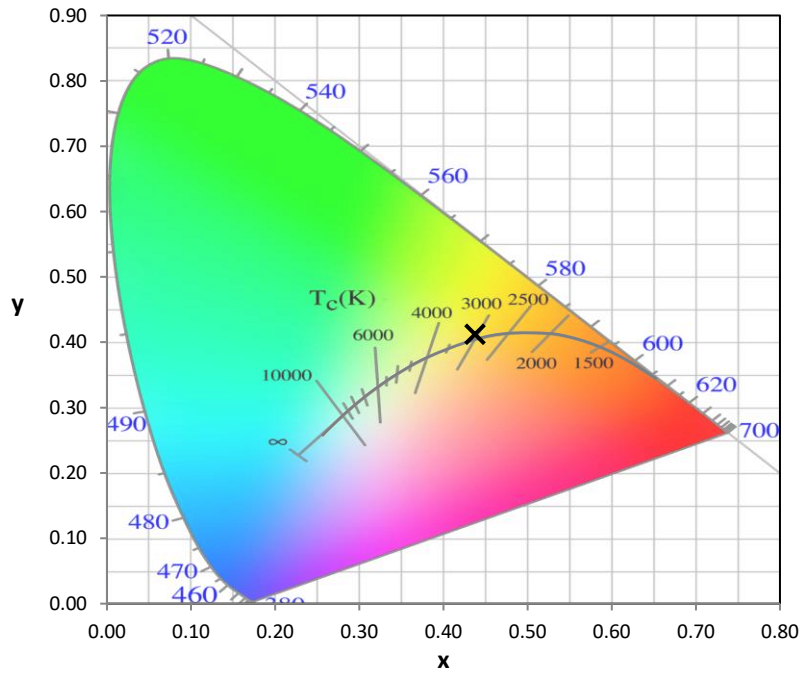
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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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

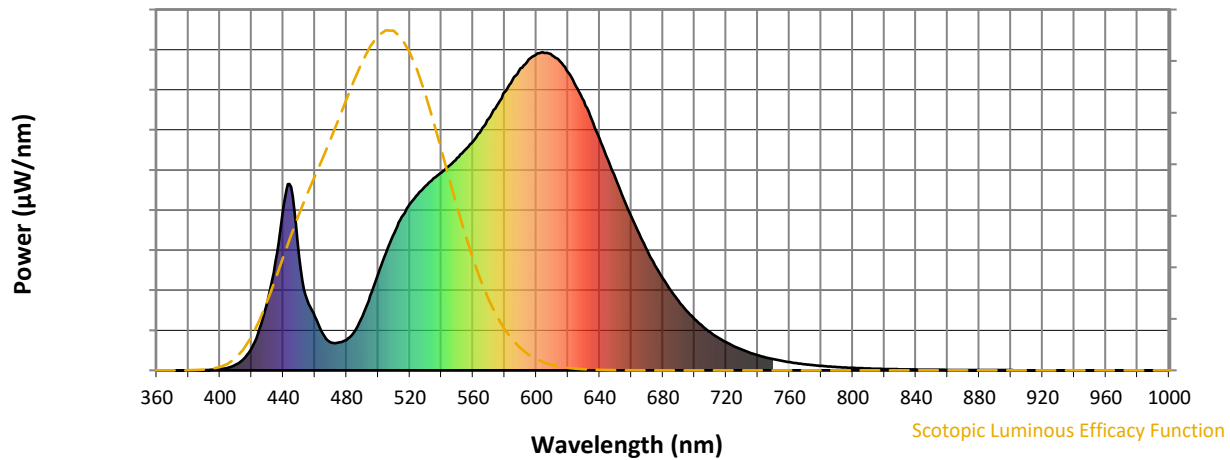


Photopic Lumens: NR

λ (nm)	Power W ^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	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



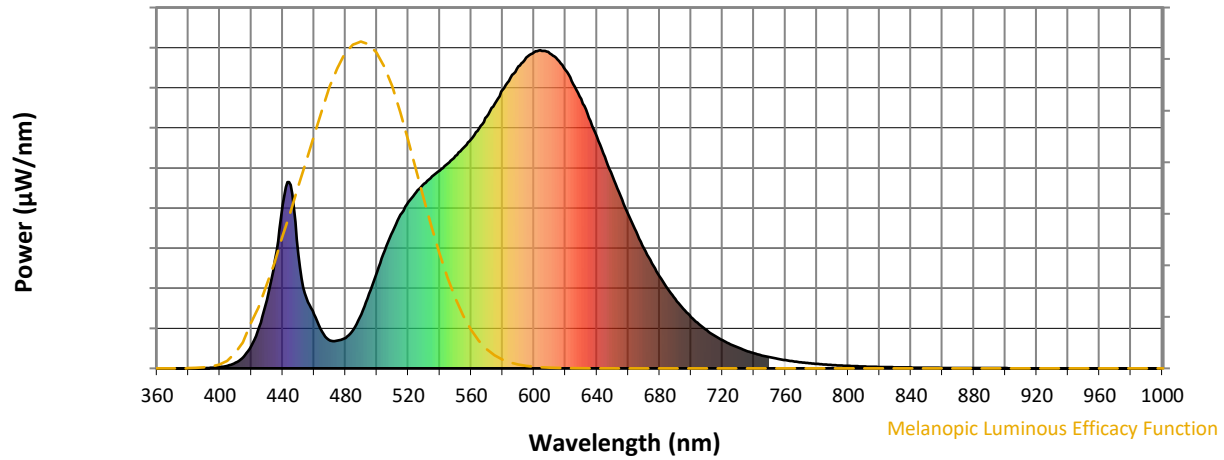
Scotopic Lumens: NR

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

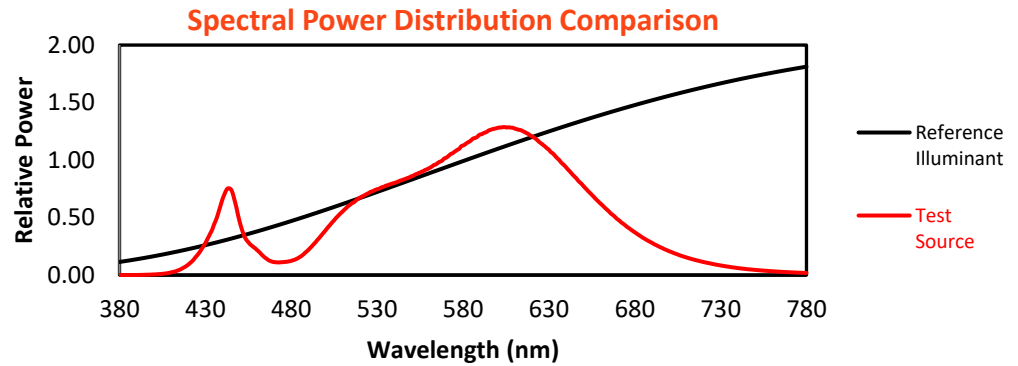
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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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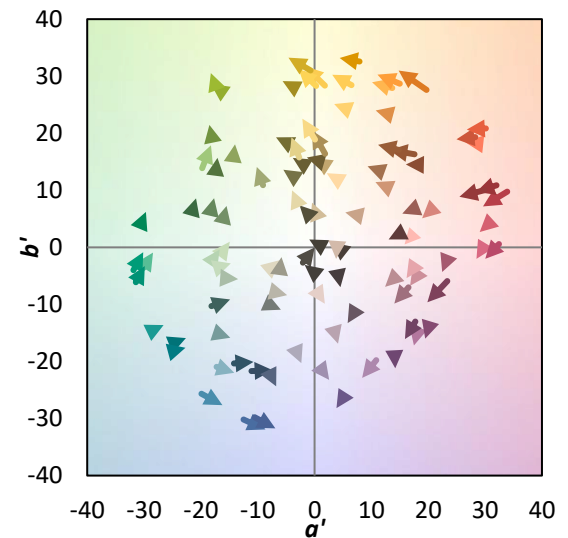
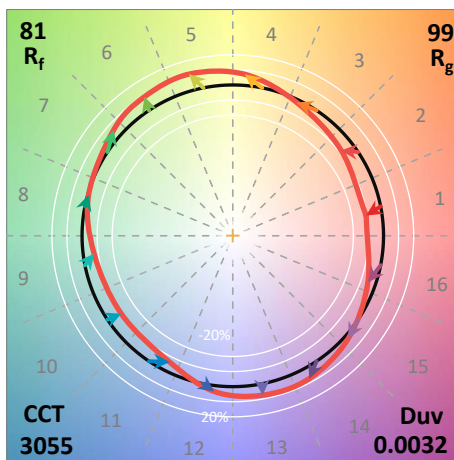
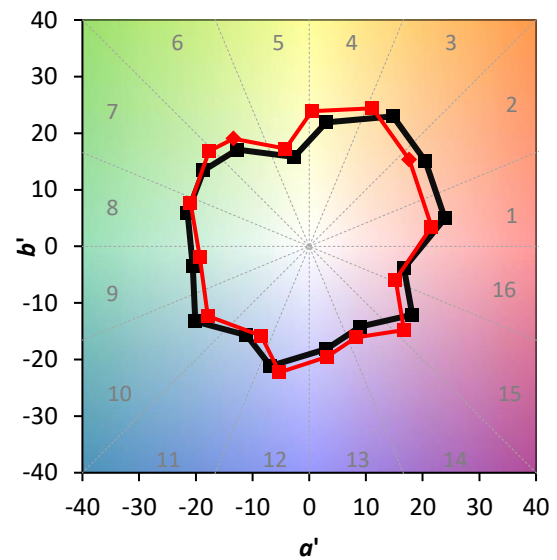
TM-30-18

Summary

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



Color Vector Graphics

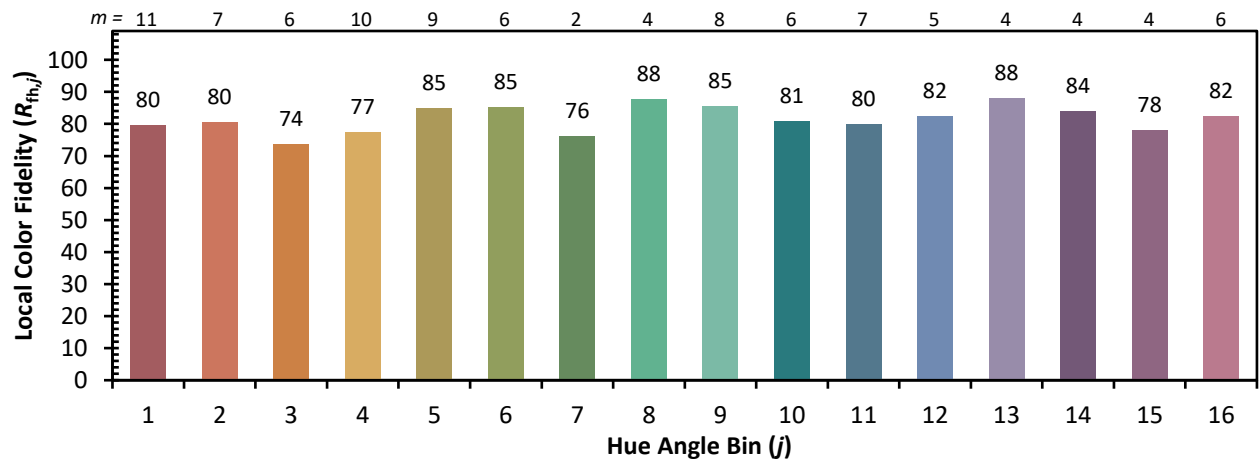
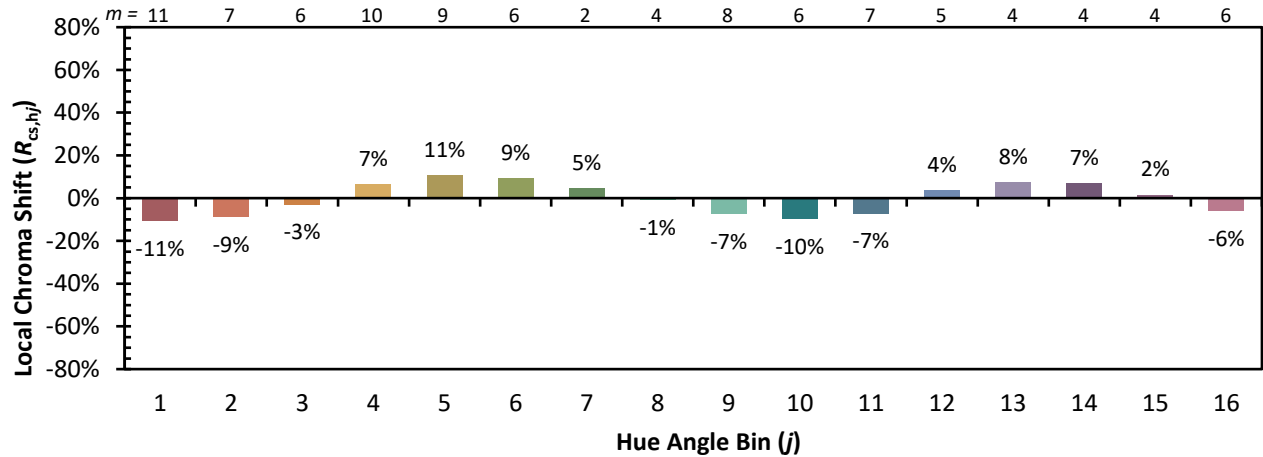


Individual Sample Fidelity Index ($R_{f,i}$)

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)