

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: P1047329

Luminaire Tested: **GALN-SA8A-830-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047329
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-830-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 8xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (112) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26928 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 217.6
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

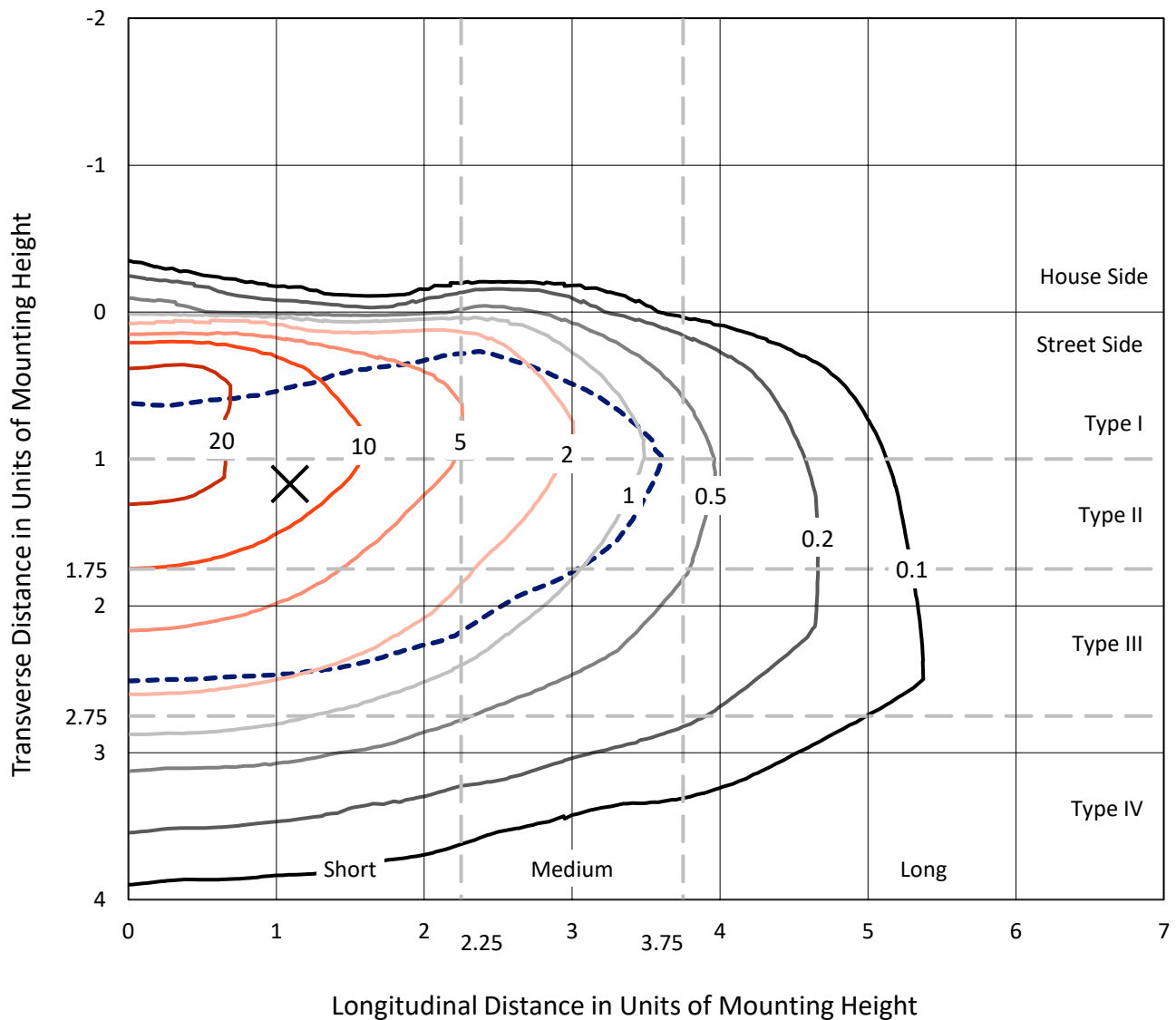


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

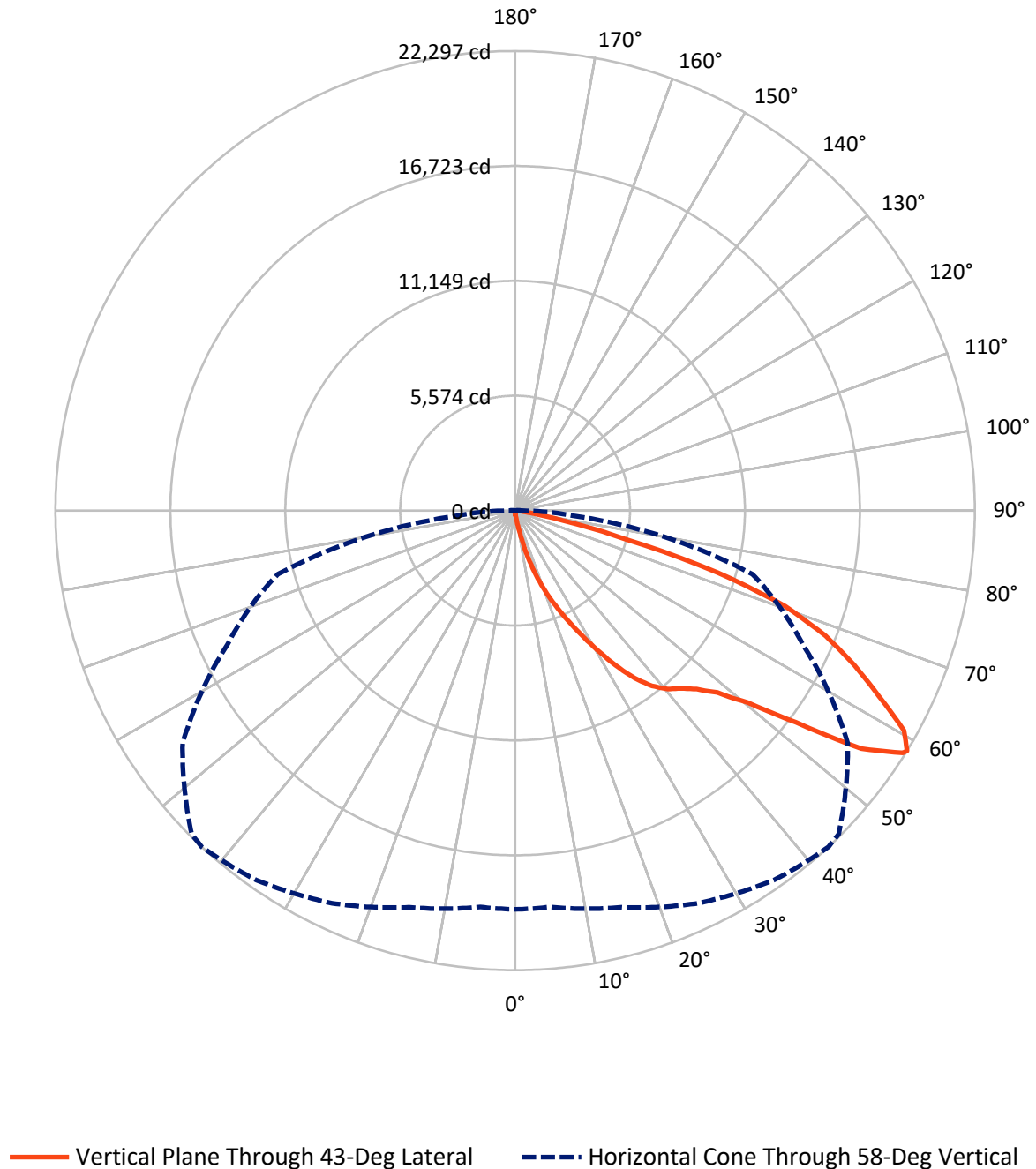


Based on 15 foot mounting height. Maximum calculated value = 30.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	98.3	0.0	98.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	26829.7	0.0	26829.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	26928.0	0.0	26928.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	0.1
10°-20°	309.5	1.1
20°-30°	1115.7	4.1
30°-40°	2552.6	9.5
40°-50°	4305.3	16.0
50°-60°	7104.7	26.4
60°-70°	7940.4	29.5
70°-80°	3278.5	12.2
80°-90°	295.5	1.1
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°	26928.0	100.0
0°-180°	26928.0	100.0



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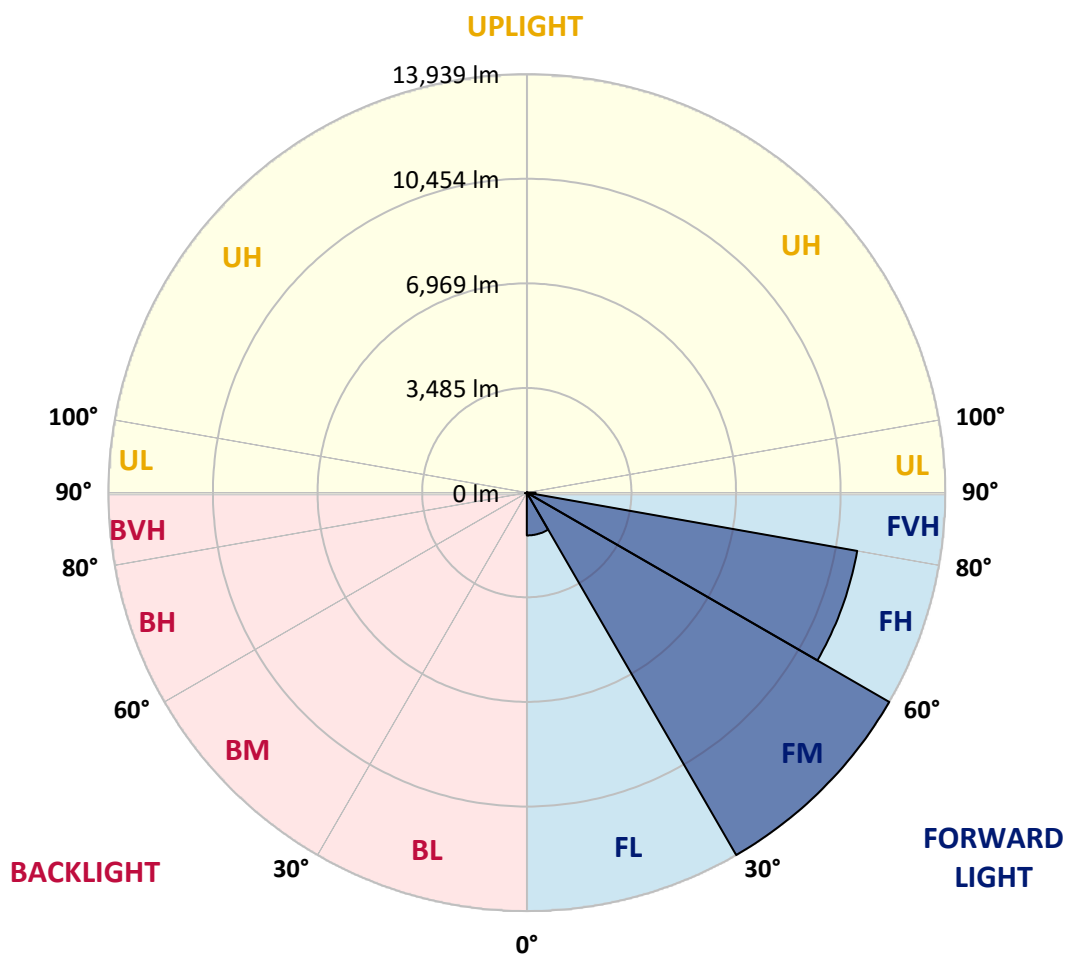
CATALOG NUMBER: GALN-SA8A-830-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1425.3	5.3			
FM	(30°-60°)	13939.0	51.8			
FH	(60°-80°)	11173.9	41.5			G4/12000
FVH	(80°-90°)	291.5	1.1			G3/500
BL	(0°-30°)	25.6	0.1	B0/110		
BM	(30°-60°)	23.6	0.1	B0/220		
BH	(60°-80°)	45.0	0.2	B0/110		G0/110
BVH	(80°-90°)	4.0	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 III Short



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CATALOG NUMBER: GALN-SA8A-830-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1
2.5°	211.3	218.3	211.3	211.3	211.3	204.2	204.2	197.2	197.2	190.2	183.1
5°	309.9	309.9	288.8	274.7	260.6	253.5	246.5	232.4	218.3	204.2	190.2
7.5°	690.2	690.2	626.8	542.3	429.6	366.2	352.1	288.8	246.5	218.3	190.2
10°	1648.0	1648.0	1507.2	1274.7	986.0	732.4	655.0	415.5	295.8	232.4	197.2
12.5°	2739.6	2774.9	2598.8	2303.0	1873.4	1429.7	1274.7	760.6	394.4	253.5	197.2
15°	3718.6	3634.1	3584.8	3303.1	2894.6	2366.4	2169.2	1281.8	570.5	288.8	197.2
17.5°	4380.6	4380.6	4310.2	4120.0	3746.8	3281.9	3119.9	2070.6	922.6	331.0	204.2
20°	5155.3	5155.3	5028.5	4894.7	4563.7	4169.3	4014.4	2943.9	1429.7	422.6	204.2
22.5°	6092.0	6106.1	5965.2	5725.8	5408.9	4972.2	4838.4	3753.8	2070.6	563.4	211.3
25°	7232.9	7247.0	7042.8	6817.4	6331.5	5859.6	5655.3	4683.4	2852.3	788.8	211.3
27.5°	8493.6	8592.2	8289.3	7902.0	7387.9	6796.3	6641.3	5521.5	3627.0	1112.8	225.4
30°	10064.1	10064.1	9662.7	9120.4	8564.0	7831.6	7634.4	6401.9	4451.0	1542.4	239.5
32.5°	11416.3	11310.7	10796.6	10226.1	9634.5	8951.4	8740.1	7324.5	5296.2	2077.6	267.6
35°	12451.6	12360.1	11726.2	11113.5	10599.4	9972.6	9719.0	8324.6	6190.6	2683.3	309.9
37.5°	13339.0	13303.8	12444.6	11676.9	11338.9	10789.5	10564.2	9268.3	7070.9	3338.3	359.2
40°	14310.9	14198.2	13282.7	12331.9	11824.8	11381.1	11176.9	10028.9	7916.1	4105.9	429.6
42.5°	15142.0	15008.2	14184.1	13254.5	12388.2	11789.6	11592.4	10669.8	8740.1	4873.6	521.2
45°	16064.6	15994.1	15163.1	14458.8	13303.8	12346.0	12085.4	11183.9	9493.7	5789.2	640.9
47.5°	17452.0	17325.2	16550.5	15973.0	14634.9	13191.1	12817.8	11712.1	10219.1	6690.6	824.0
50°	19064.8	18980.3	18522.5	18064.7	16733.6	14634.9	14191.2	12472.8	11029.0	7761.1	1063.5
52.5°	20381.8	20367.7	20424.0	20431.1	19424.0	17064.6	16402.6	13698.2	11958.6	8817.6	1401.5
55°	20353.6	20417.0	21036.8	21748.1	21825.6	20381.8	19740.9	15761.7	13170.0	10120.5	1873.4
57.5°	19593.0	19543.7	20198.7	21269.2	22022.8	22177.7	22072.1	18966.2	14994.1	11691.0	2598.8
58°	19346.5	19304.2	19924.0	21015.6	21881.9	22297.4	22191.8	19691.6	15402.5	11916.4	2796.0
60°	18452.1	18459.1	18825.3	19818.4	20684.6	21670.6	21769.2	21762.2	17437.9	13423.5	3789.0
62.5°	17268.9	17212.5	17550.6	18360.5	19121.1	19783.2	19952.2	21903.0	20417.0	15339.2	5683.5
65°	15635.0	15550.4	15909.6	16825.2	17642.1	18071.8	18078.8	20015.6	21818.5	17395.7	8387.9
67.5°	12599.5	12529.1	13247.5	14423.6	15684.3	16247.7	16501.2	17367.5	20635.3	18790.1	9937.4
70°	7718.9	7866.8	8866.9	10712.1	12867.1	13902.4	14282.7	14550.4	17571.7	18578.8	8310.5
72.5°	3563.6	3387.6	4239.8	5528.6	7986.5	10289.5	10683.9	11733.3	13930.6	16128.0	6197.6
75°	1662.1	1598.7	1795.9	2415.7	3620.0	5556.7	6275.1	9366.9	10683.9	11219.1	4472.2
77.5°	852.2	859.2	1021.2	1098.7	1493.1	2570.6	2950.9	6162.4	7831.6	6261.0	3000.2
80°	373.3	387.4	394.4	429.6	605.7	993.0	1119.8	2859.4	5352.5	3190.4	1641.0
82.5°	239.5	246.5	246.5	246.5	288.8	394.4	450.7	1148.0	2669.2	1584.6	507.1
85°	126.8	126.8	140.9	176.1	204.2	239.5	253.5	366.2	880.3	471.9	119.7
87.5°	70.4	77.5	84.5	105.6	133.8	162.0	176.1	253.5	338.1	324.0	28.2
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-SA8A-830-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1
2.5°	183.1	176.1	169.0	162.0	154.9	147.9	147.9	147.9	147.9	147.9	147.9
5°	176.1	169.0	162.0	147.9	133.8	126.8	119.7	112.7	112.7	112.7	112.7
7.5°	176.1	169.0	147.9	133.8	119.7	105.6	91.6	91.6	91.6	91.6	91.6
10°	176.1	162.0	140.9	119.7	98.6	84.5	77.5	70.4	70.4	70.4	70.4
12.5°	176.1	154.9	133.8	105.6	84.5	70.4	63.4	56.3	56.3	56.3	56.3
15°	176.1	154.9	126.8	98.6	77.5	56.3	49.3	42.3	42.3	42.3	42.3
17.5°	169.0	147.9	119.7	84.5	63.4	42.3	35.2	28.2	28.2	35.2	35.2
20°	162.0	140.9	105.6	70.4	49.3	35.2	21.1	21.1	21.1	21.1	21.1
22.5°	162.0	140.9	98.6	63.4	42.3	21.1	14.1	14.1	14.1	14.1	21.1
25°	162.0	133.8	84.5	49.3	28.2	14.1	7.0	7.0	7.0	7.0	7.0
27.5°	162.0	133.8	77.5	42.3	21.1	14.1	7.0	0.0	0.0	0.0	0.0
30°	154.9	126.8	70.4	35.2	14.1	7.0	0.0	0.0	0.0	0.0	0.0
32.5°	154.9	119.7	56.3	28.2	14.1	7.0	0.0	0.0	0.0	0.0	0.0
35°	162.0	112.7	49.3	21.1	7.0	0.0	0.0	0.0	0.0	0.0	7.0
37.5°	169.0	105.6	42.3	14.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	176.1	98.6	42.3	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	190.2	98.6	35.2	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	204.2	98.6	28.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	232.4	105.6	28.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	253.5	112.7	21.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	281.7	105.6	21.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	316.9	105.6	21.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	345.1	98.6	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	359.2	91.6	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	429.6	84.5	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	669.1	70.4	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1359.3	63.4	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2535.4	56.3	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2838.2	63.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1788.9	49.3	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	943.7	49.3	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	471.9	49.3	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	218.3	35.2	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	91.6	21.1	14.1	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	42.3	21.1	14.1	14.1	7.0	7.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.1	21.1	21.1	14.1	14.1	7.0	7.0	0.0	0.0	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: SP1-2407-184-9

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

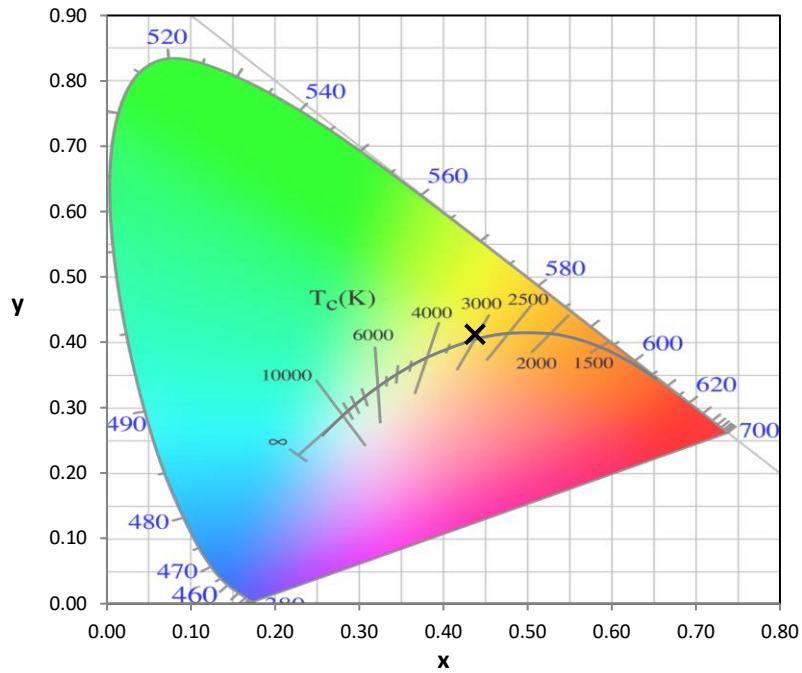
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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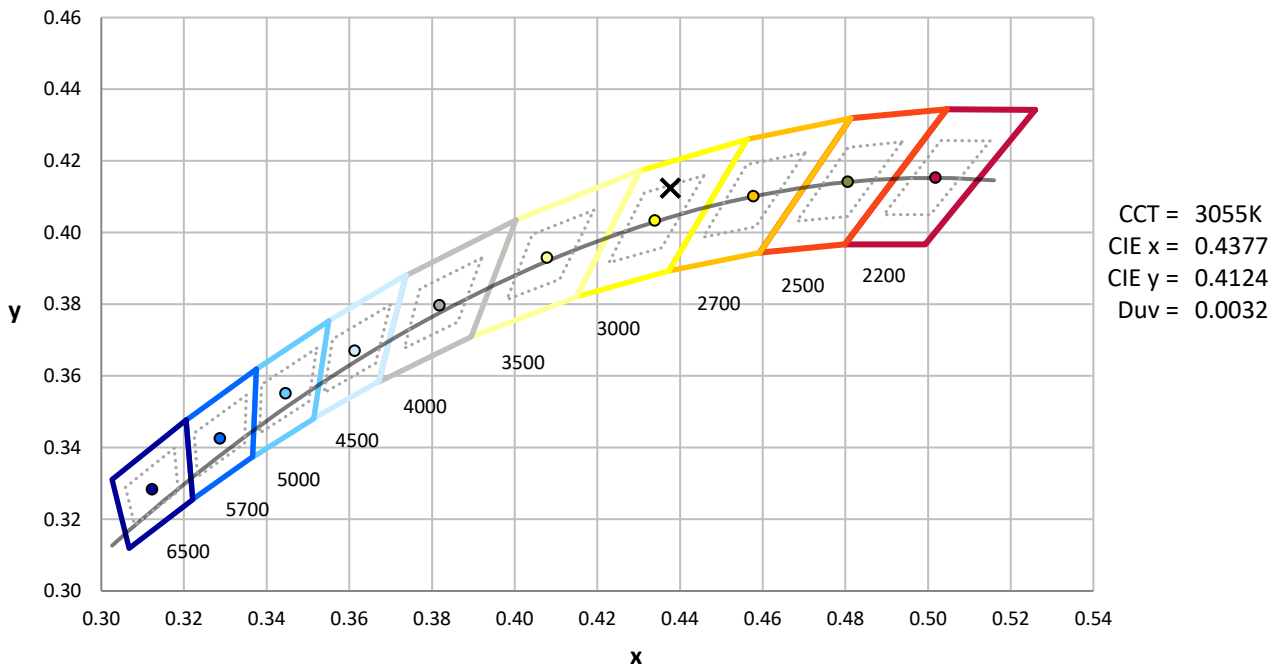
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



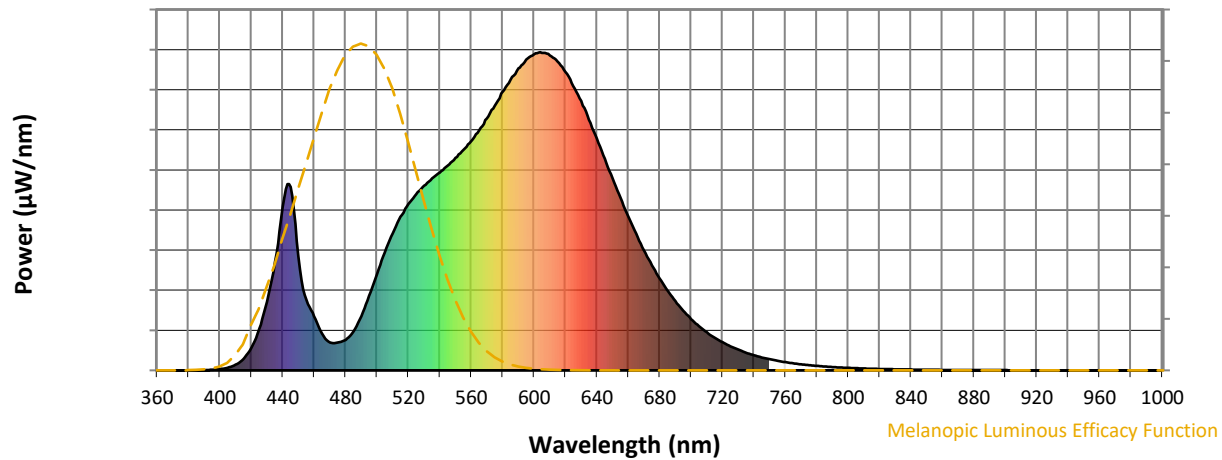
Scotopic Lumens: NR

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

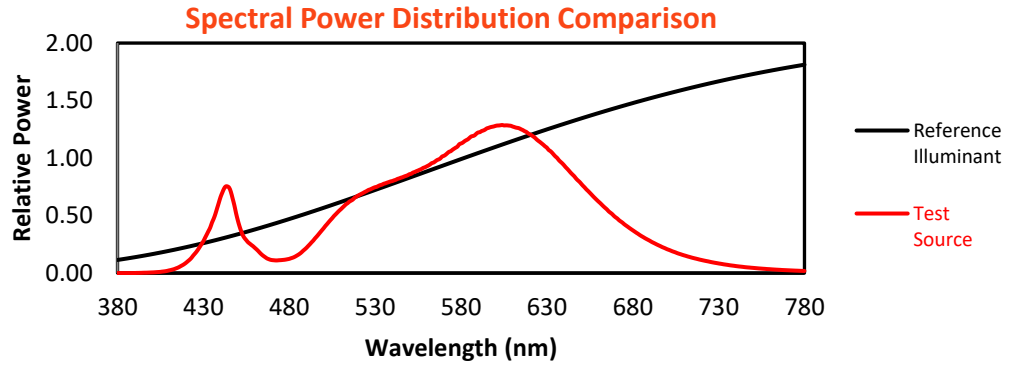
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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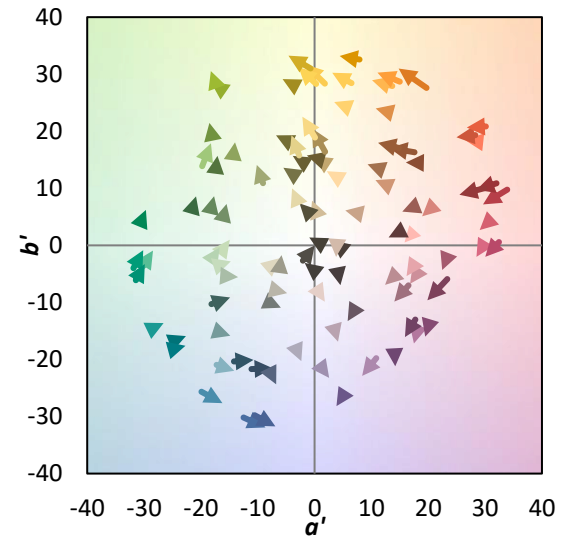
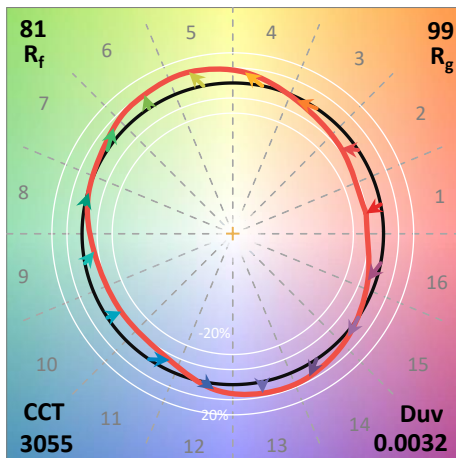
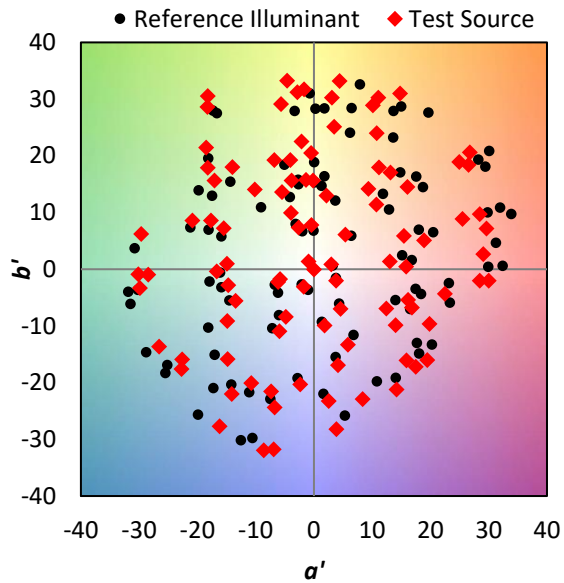
TM-30-18

Summary

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



Color Vector Graphics

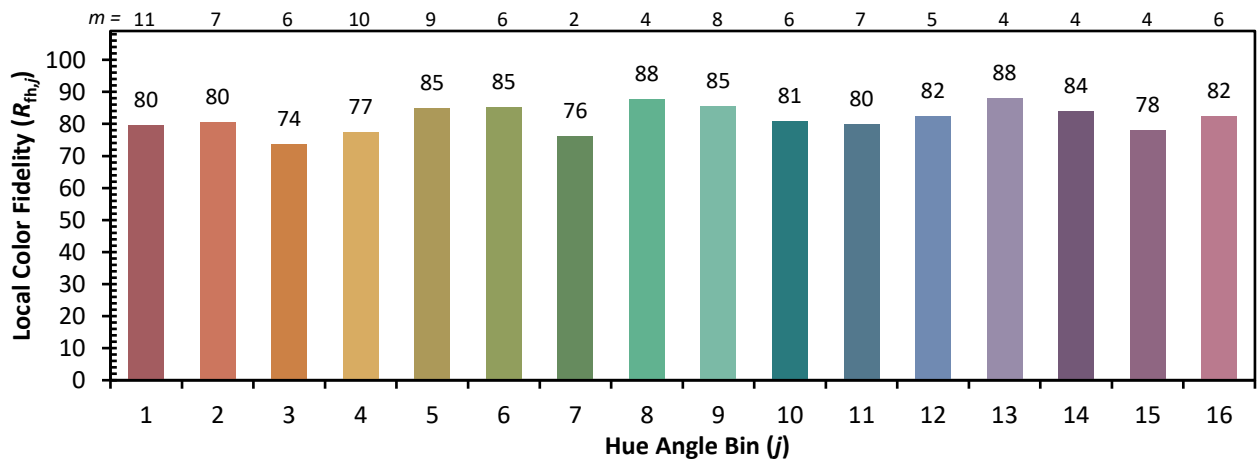


Individual Sample Fidelity Index ($R_{f,i}$)

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)