

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: P1047921

Luminaire Tested: **GALN-SA3A-830-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047921
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-830-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9839.5 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

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



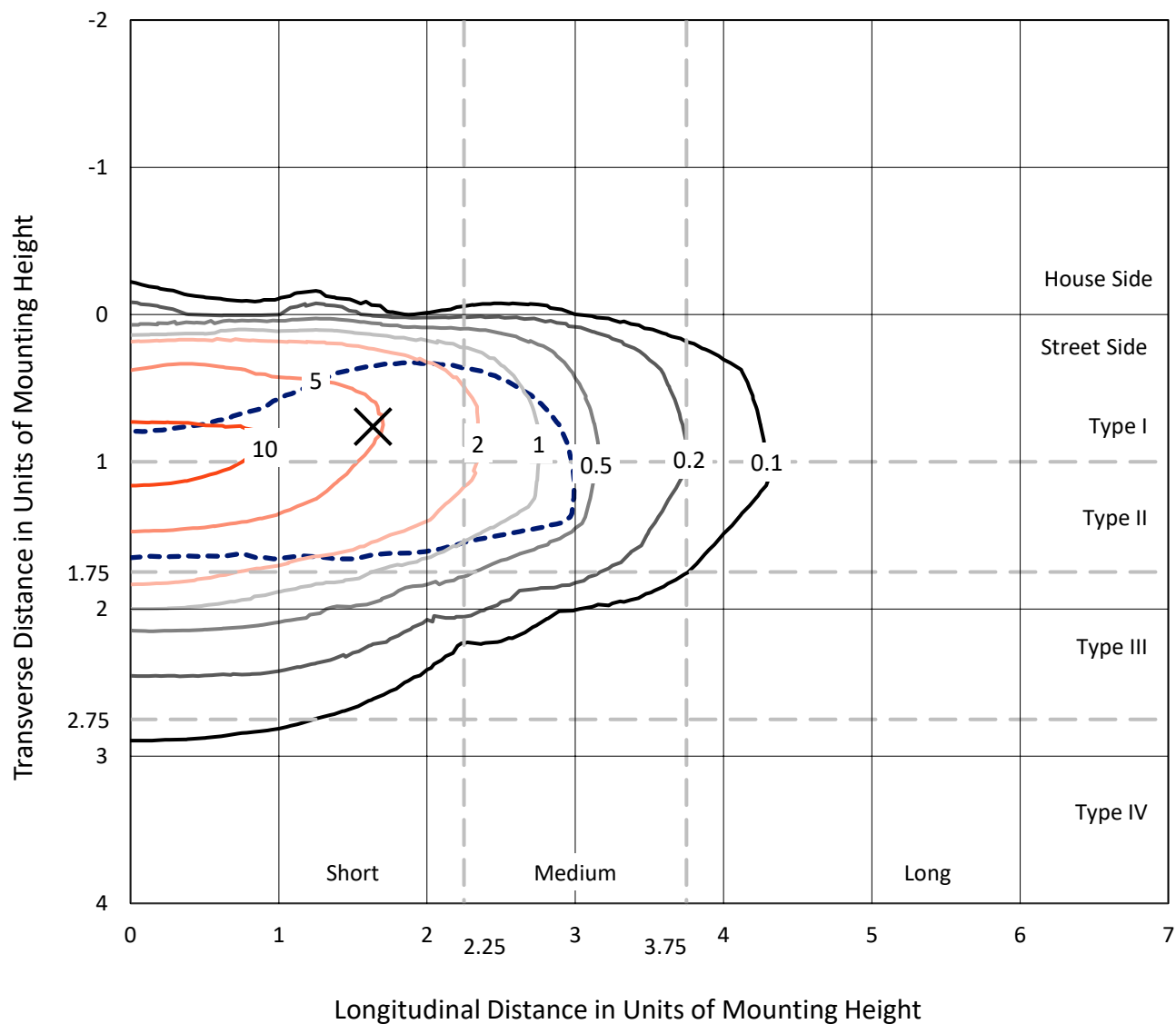
REPORT NUMBER: P1047921

CATALOG NUMBER: GALN-SA3A-830-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

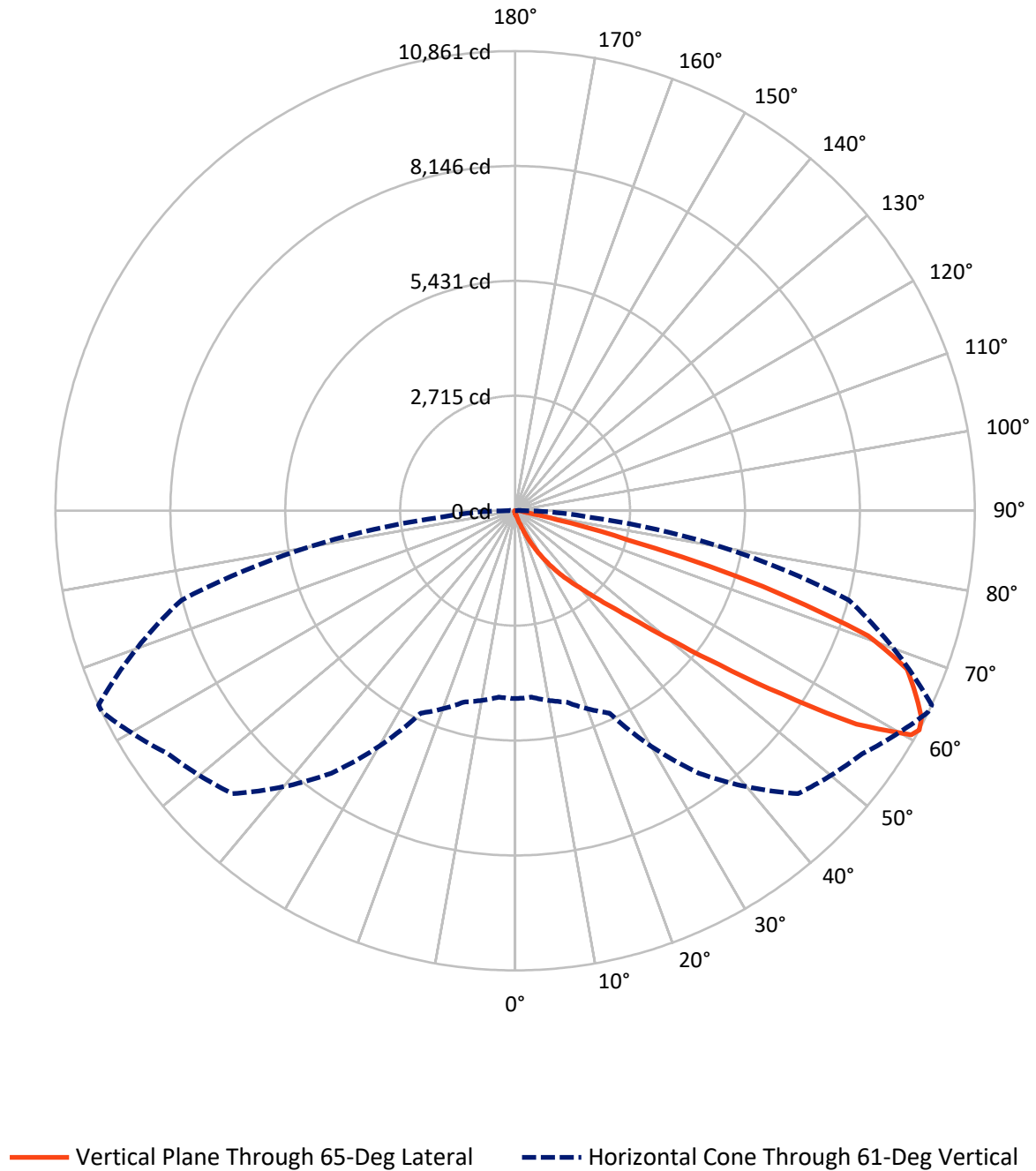


Based on 15 foot mounting height. Maximum calculated value = 13 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42.0	0.0	42.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9797.5	0.0	9797.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	9839.5	0.0	9839.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	80.9	0.8
20°-30°	290.4	3.0
30°-40°	773.1	7.9
40°-50°	2030.9	20.6
50°-60°	3146.3	32.0
60°-70°	2638.1	26.8
70°-80°	776.4	7.9
80°-90°	95.8	1.0
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°	9839.5	100.0
0°-180°	9839.5	100.0



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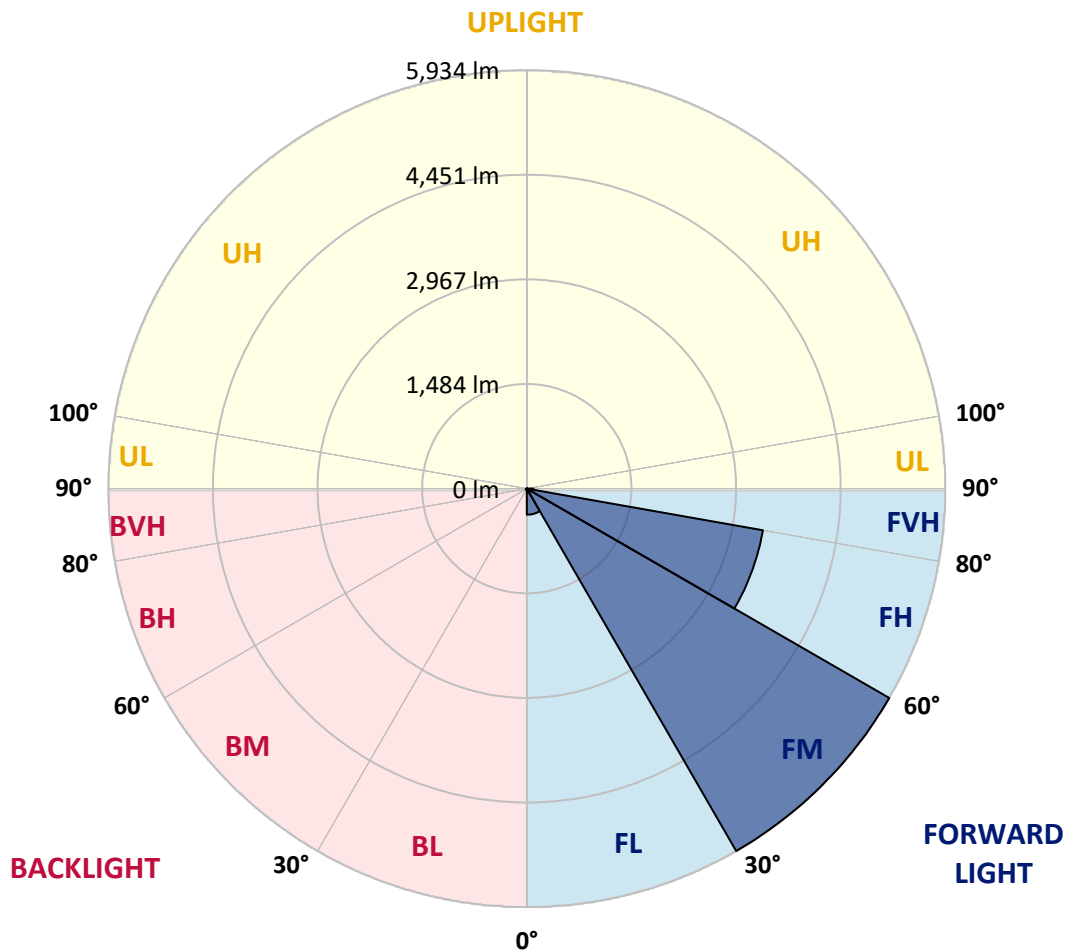
CATALOG NUMBER: GALN-SA3A-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.5	3.8			
FM	(30°-60°)	5934.3	60.3			
FH	(60°-80°)	3399.6	34.6			G2/5000
FVH	(80°-90°)	94.0	1.0			G1/100
BL	(0°-30°)	9.4	0.1	B0/110		
BM	(30°-60°)	16.0	0.2	B0/220		
BH	(60°-80°)	14.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G2

Type II Short



REPORT NUMBER: P1047921

CATALOG NUMBER: GALN-SA3A-830-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
2.5°	73.1	73.8	72.4	69.7	67.7	67.7	67.0	65.0	65.0	62.9	61.6
5°	102.2	100.9	98.1	92.7	88.0	83.3	78.5	73.8	73.1	67.0	62.9
7.5°	167.2	168.5	159.7	142.8	128.6	110.3	93.4	83.3	81.9	71.7	63.6
10°	366.9	356.7	336.4	270.7	222.7	167.9	124.5	96.8	95.4	77.2	65.0
12.5°	668.7	660.6	623.4	555.7	431.8	300.5	182.1	119.8	115.7	81.9	65.7
15°	963.8	951.0	930.7	862.3	717.5	538.8	297.8	163.8	153.0	88.7	65.0
17.5°	1152.0	1154.0	1135.8	1106.6	1013.2	797.3	514.4	244.3	223.4	100.9	63.6
20°	1316.5	1311.7	1321.9	1306.3	1240.7	1083.6	748.6	387.2	351.3	120.5	64.3
22.5°	1506.0	1517.5	1524.9	1521.6	1449.1	1315.1	1014.6	579.4	534.0	156.4	66.3
25°	1759.8	1758.5	1759.1	1750.3	1679.9	1531.0	1281.3	818.3	772.3	214.6	71.1
27.5°	2025.8	2033.9	2037.3	2005.5	1913.5	1767.3	1528.3	1079.6	1025.4	308.0	77.2
30°	2389.3	2382.5	2366.9	2302.0	2190.3	2008.9	1772.0	1353.7	1296.8	438.6	86.6
32.5°	2879.3	2871.9	2793.4	2649.9	2482.7	2260.7	2017.0	1628.5	1559.5	601.7	99.5
35°	3686.8	3698.3	3505.4	3133.8	2834.0	2563.2	2288.4	1901.9	1841.0	802.7	117.1
37.5°	4923.4	4860.5	4598.5	3942.0	3296.3	2940.9	2547.7	2178.1	2125.3	1050.5	140.1
40°	6124.8	6062.5	5986.7	5364.7	4099.7	3357.2	2910.4	2502.3	2433.9	1330.0	174.0
42.5°	7387.8	7353.3	7349.9	6880.8	5565.7	4011.7	3347.0	2882.0	2823.8	1636.6	229.5
45°	8282.6	8248.1	8320.5	8402.4	7562.4	5414.1	4107.1	3375.4	3290.8	2008.9	318.1
47.5°	8403.1	8404.4	8598.0	8854.5	9046.1	7583.4	5119.7	4029.3	3926.4	2541.6	467.0
50°	8002.4	8017.9	8325.9	8784.8	9300.6	9403.5	6905.2	4978.2	4825.9	3173.1	678.2
52.5°	7239.6	7257.2	7686.3	8441.0	9066.4	9840.7	9007.5	6219.6	6044.3	3960.9	976.0
55°	6552.6	6563.4	7055.5	8009.2	8784.1	9603.1	10255.6	7877.2	7647.0	4930.2	1269.8
57.5°	5872.3	5847.3	6167.4	7259.2	8736.1	9311.4	10439.7	9766.2	9512.4	5989.4	1498.5
60°	4962.7	4920.7	5177.9	5872.3	8103.9	9503.0	10095.2	10811.3	10753.8	7464.3	1675.2
61°	4439.5	4421.9	4680.4	5276.0	7571.9	9454.2	10012.6	10855.3	10861.4	8162.1	1754.4
62.5°	3170.4	3220.4	3615.7	4390.0	6342.1	9138.1	10023.5	10719.3	10779.5	9089.4	1959.5
65°	1409.2	1489.7	1797.0	2427.2	3688.1	7601.7	9927.3	10420.8	10391.0	9343.9	2666.1
67.5°	835.9	848.1	1001.1	1375.4	1953.4	4088.8	8760.5	10026.2	9986.2	8134.4	3317.2
70°	658.6	664.7	713.4	863.0	1133.7	1566.2	4999.9	8674.5	8848.4	6595.9	3247.5
72.5°	624.7	623.4	630.1	656.5	714.1	777.0	1935.8	5766.1	6120.1	4750.1	2723.0
75°	616.6	613.9	607.1	597.0	517.1	457.5	599.7	2550.4	2755.5	3245.5	2050.2
77.5°	598.3	599.0	600.4	572.6	443.3	323.5	290.4	818.3	1006.5	2059.7	1457.3
80°	404.8	410.8	421.0	410.2	398.7	234.2	205.1	291.0	295.1	1156.1	962.5
82.5°	205.1	205.1	200.3	178.7	154.3	152.3	163.1	211.2	213.9	584.8	452.8
85°	123.9	130.6	133.3	121.2	111.0	102.2	124.5	167.9	174.0	226.7	105.6
87.5°	27.8	28.4	31.1	41.3	60.2	81.9	115.7	153.6	156.4	145.5	12.9
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-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
2.5°	60.9	59.6	58.9	56.9	54.8	52.8	51.4	50.8	51.4	52.1	52.1
5°	60.2	58.2	54.8	51.4	48.7	46.0	43.3	42.6	42.6	43.3	43.3
7.5°	60.2	56.9	52.1	48.1	44.0	39.9	37.9	36.5	37.2	37.2	37.2
10°	60.2	56.2	50.1	44.0	39.3	34.5	31.1	29.8	29.8	29.8	29.8
12.5°	59.6	55.5	48.1	40.6	33.8	28.4	24.4	22.3	23.0	23.0	23.0
15°	58.2	53.5	45.3	34.5	27.1	21.7	17.6	15.6	16.2	17.6	18.3
17.5°	56.2	51.4	40.6	29.1	21.7	16.2	12.2	10.8	11.5	13.5	13.5
20°	55.5	49.4	35.9	23.7	16.2	11.5	8.1	6.8	7.4	10.2	10.8
22.5°	55.5	48.1	32.5	19.6	12.2	7.4	4.7	2.7	2.7	4.7	4.7
25°	56.2	47.4	29.8	16.2	8.8	5.4	2.7	1.4	2.7	7.4	8.8
27.5°	57.5	46.7	28.4	13.5	6.8	4.7	2.0	4.7	8.1	8.1	8.1
30°	58.9	45.3	26.4	11.5	6.1	3.4	3.4	6.8	6.8	8.1	8.8
32.5°	60.9	44.7	25.0	10.2	4.7	2.7	4.7	4.1	4.1	4.7	5.4
35°	65.0	45.3	23.7	10.2	4.7	3.4	4.1	2.0	1.4	1.4	1.4
37.5°	70.4	46.0	21.7	8.8	4.1	4.1	2.0	0.0	0.0	0.0	0.0
40°	79.2	48.1	20.3	8.1	3.4	3.4	0.7	0.0	0.0	0.0	0.0
42.5°	94.1	52.1	19.6	7.4	3.4	2.7	0.0	0.0	0.0	0.0	0.0
45°	123.9	61.6	18.3	6.8	3.4	1.4	0.0	0.0	0.0	0.0	0.0
47.5°	178.0	83.9	17.6	5.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	259.9	113.7	16.9	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	331.7	119.8	11.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	339.8	82.6	8.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	270.7	53.5	7.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	205.1	40.6	6.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	197.0	36.5	6.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	217.3	31.8	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	353.3	26.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	613.9	23.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	775.7	21.7	4.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	676.2	19.6	4.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	406.8	16.9	4.1	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	213.2	12.9	4.1	3.4	2.0	0.7	0.0	0.0	0.0	0.0	0.0
80°	103.6	11.5	4.7	3.4	2.7	1.4	0.0	0.0	0.0	0.0	0.0
82.5°	40.6	9.5	5.4	4.7	3.4	2.0	0.7	0.0	0.0	0.0	0.0
85°	18.3	8.1	6.1	5.4	4.7	2.7	0.7	0.0	0.0	0.0	0.0
87.5°	9.5	7.4	6.8	6.1	4.7	3.4	1.4	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

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

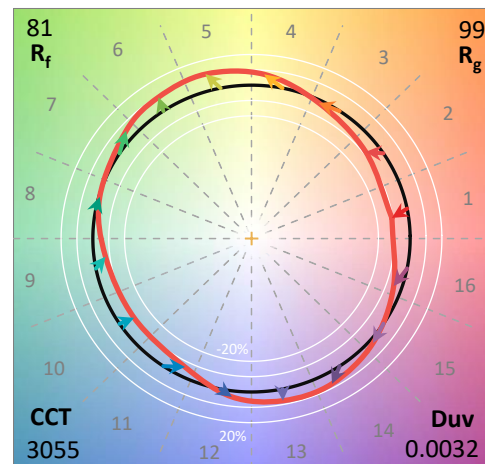
Test Information

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

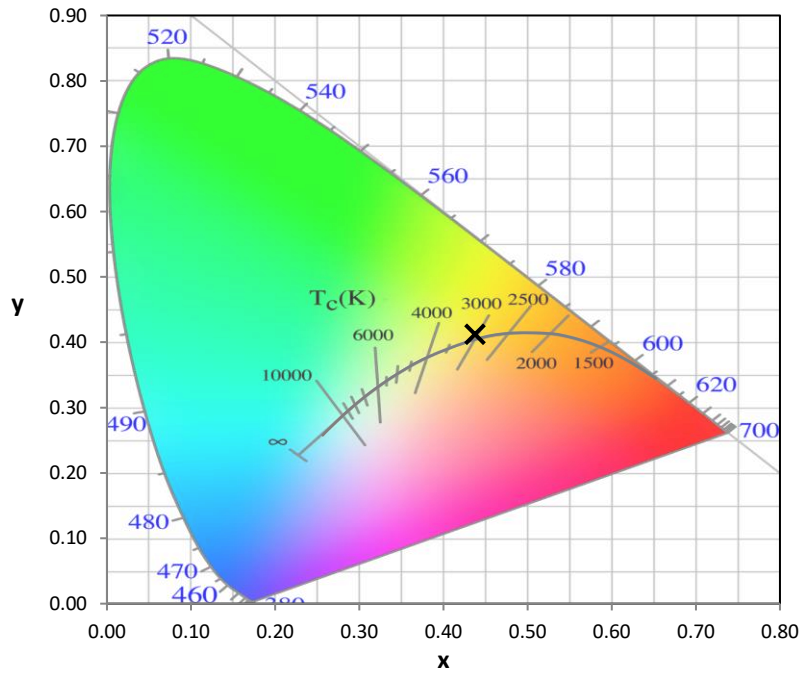
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

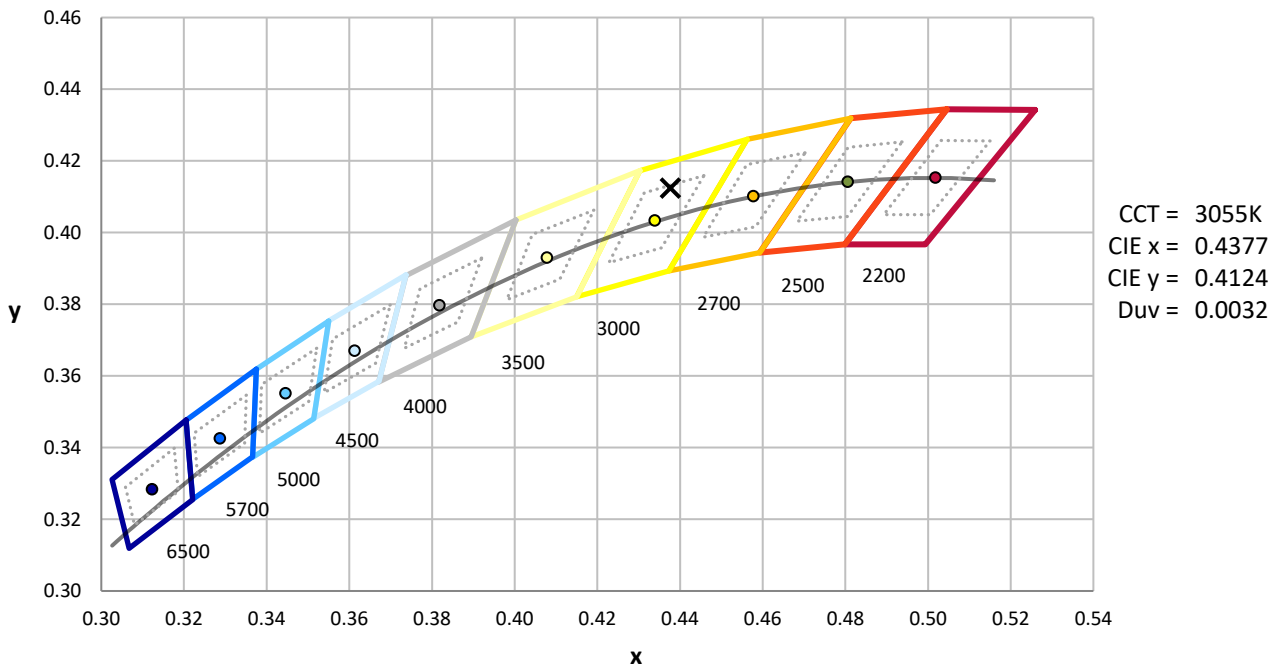
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



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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



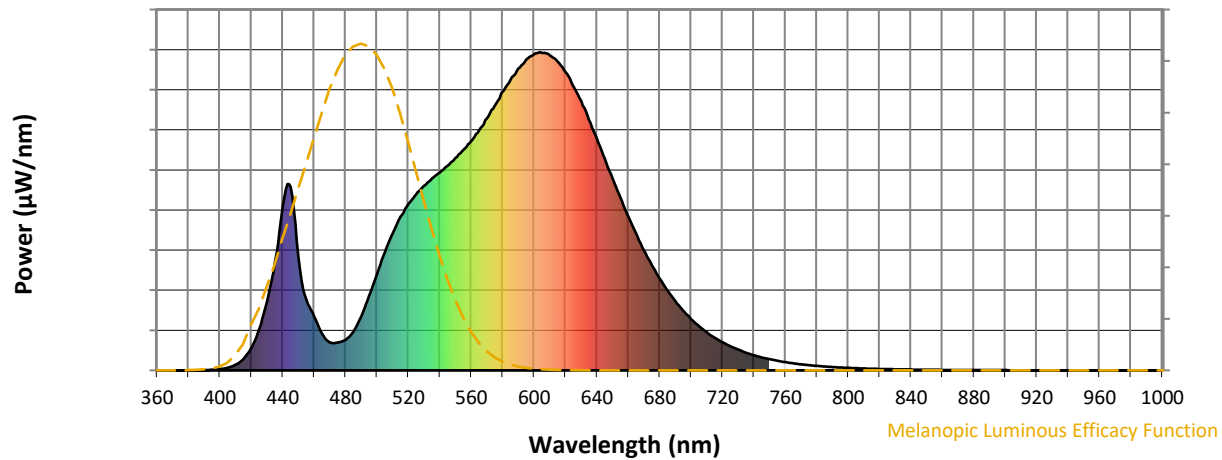
Scotopic Lumens: NR

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

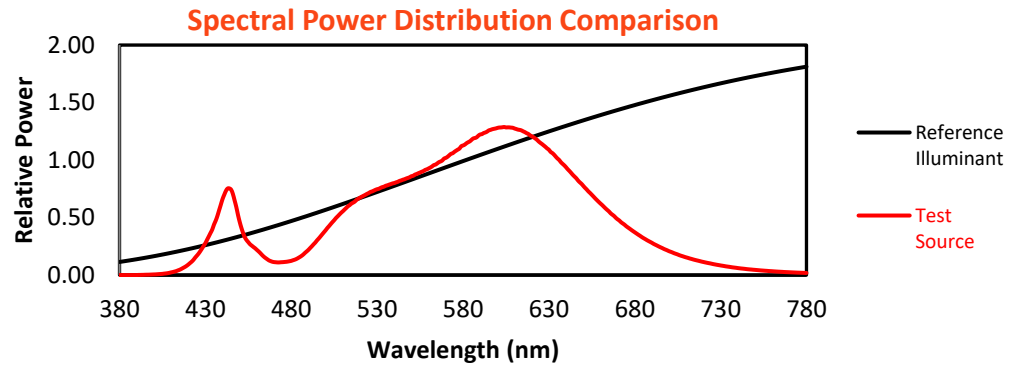
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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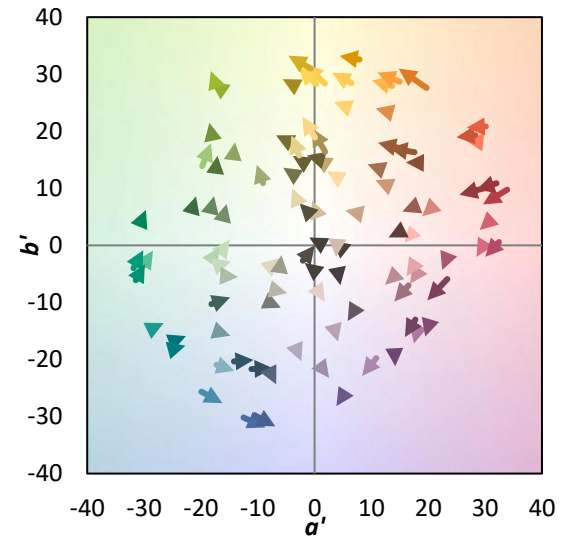
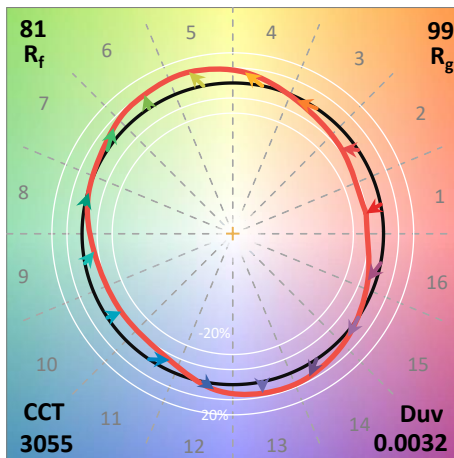
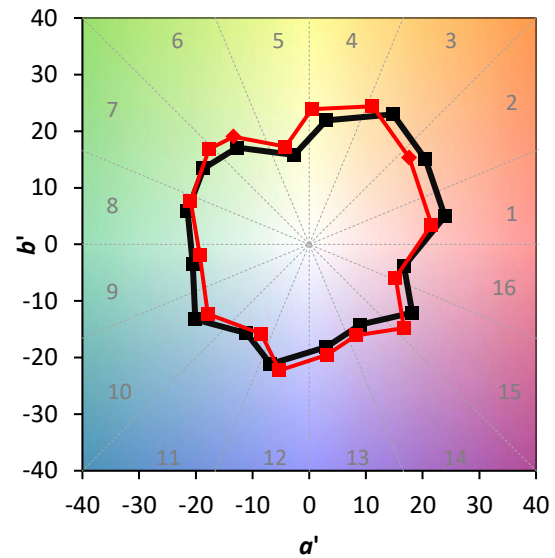
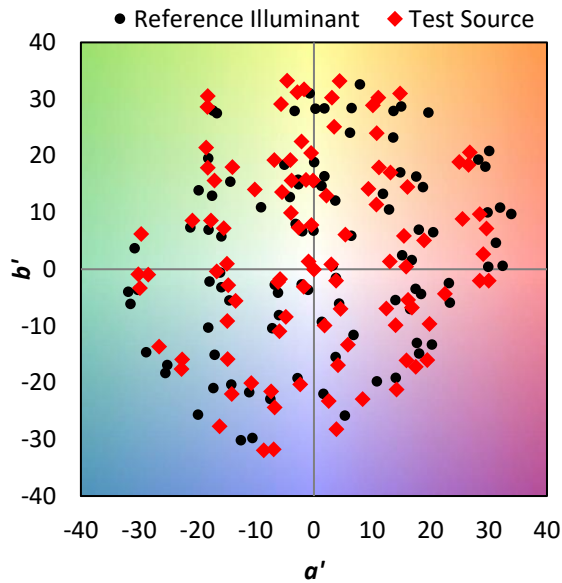
TM-30-18

Summary

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



Color Vector Graphics

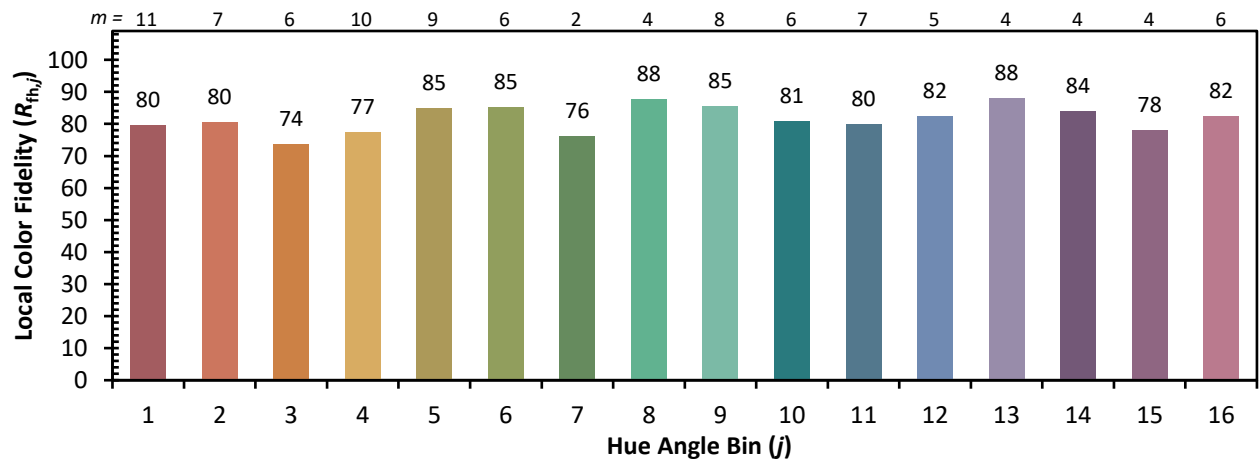
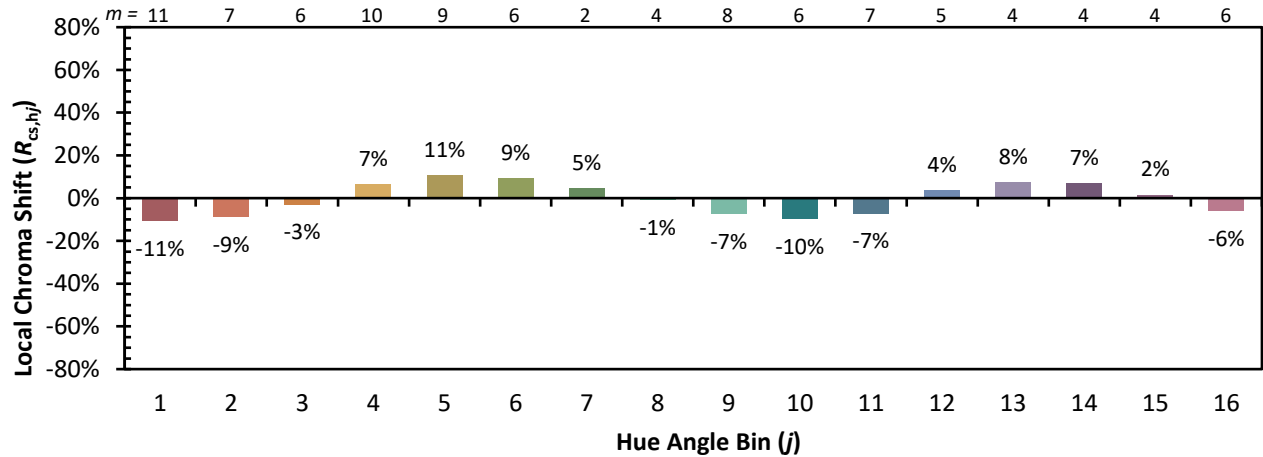


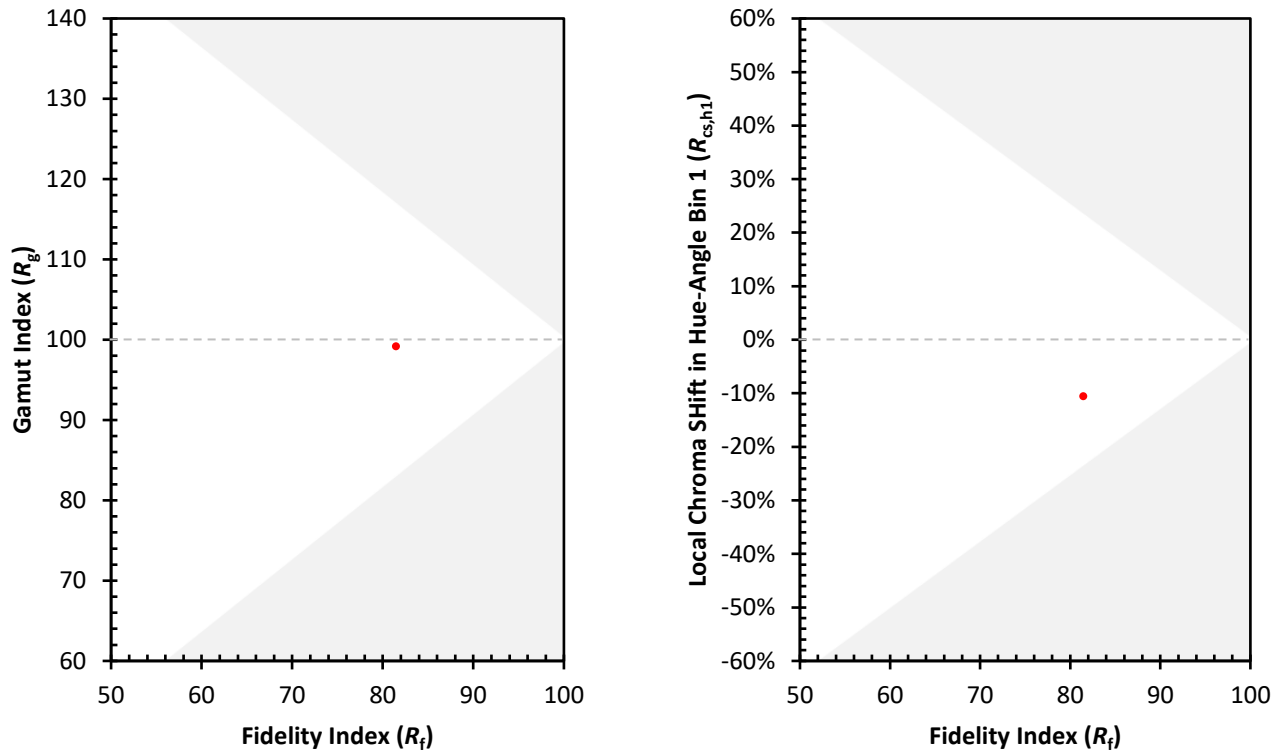
Individual Sample Fidelity Index ($R_{f,i}$)

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)