

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: P1047945

Luminaire Tested: **GALN-SA9A-830-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047945
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-830-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 9xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (126) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28857.2 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 244.6
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



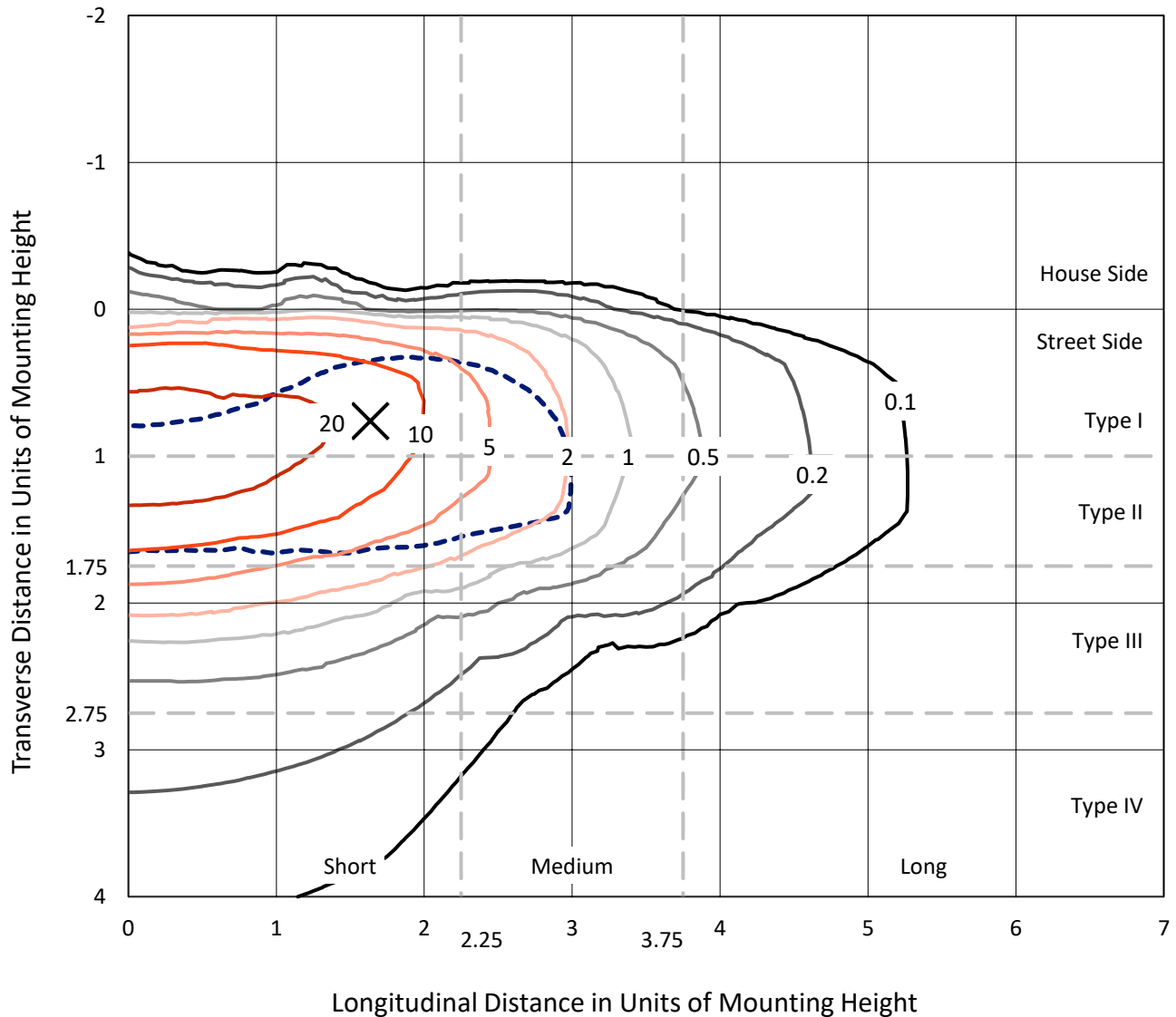
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

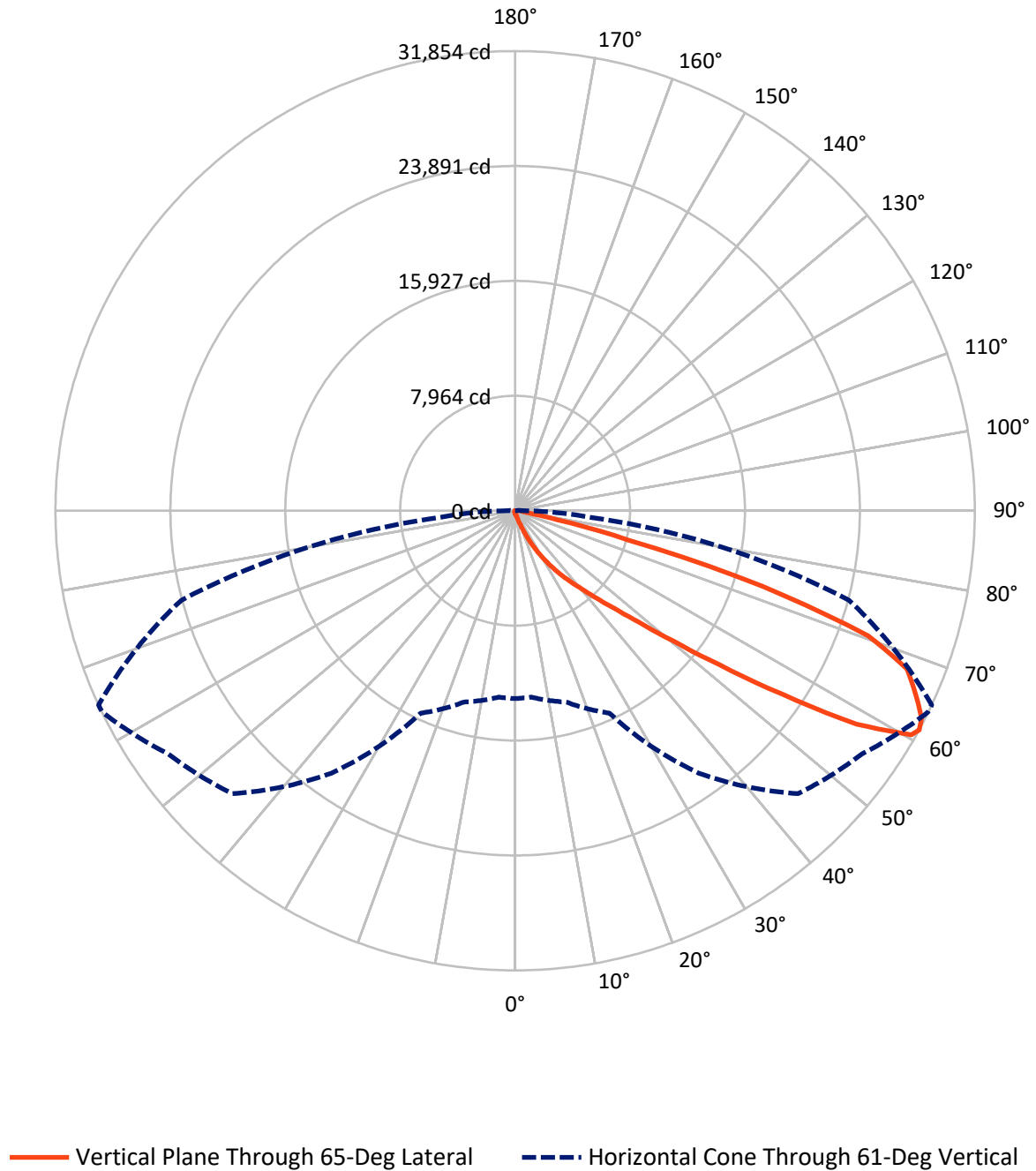


Based on 15 foot mounting height. Maximum calculated value = 38.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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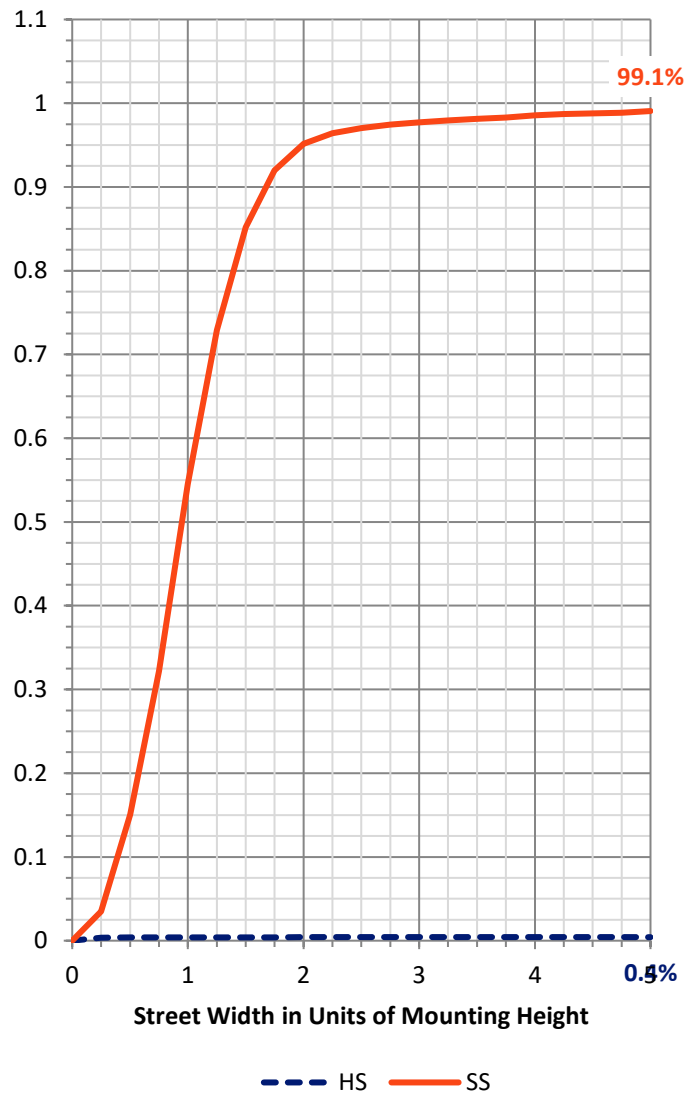
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	123.2	0.0	123.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	28734.0	0.0	28734.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	28857.2	0.0	28857.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	0.1
10°-20°	237.3	0.8
20°-30°	851.6	3.0
30°-40°	2267.3	7.9
40°-50°	5956.3	20.6
50°-60°	9227.4	32.0
60°-70°	7737.0	26.8
70°-80°	2276.9	7.9
80°-90°	280.9	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°	28857.2	100.0
0°-180°	28857.2	100.0



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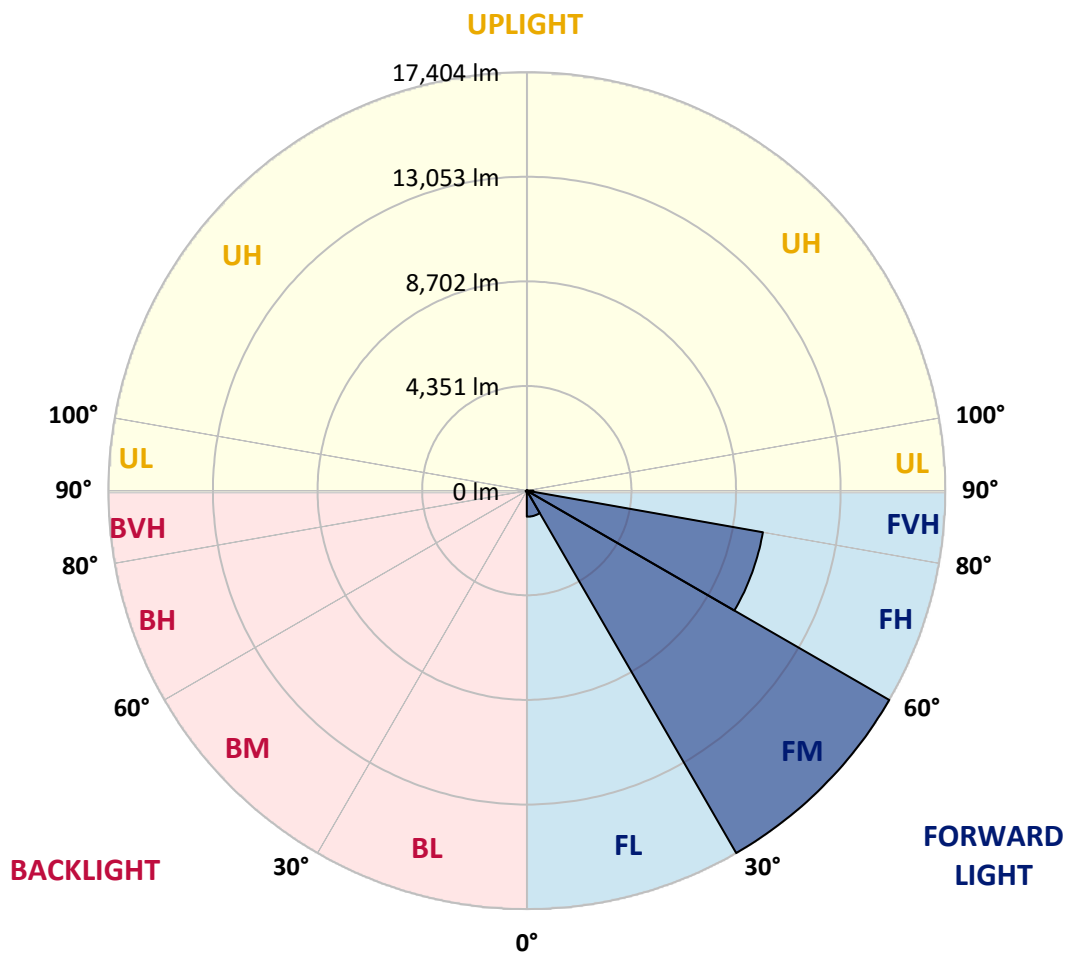
CATALOG NUMBER: GALN-SA9A-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1083.7	3.8			
FM	(30°-60°)	17404.2	60.3			
FH	(60°-80°)	9970.5	34.6			G4/12000
FVH	(80°-90°)	275.7	1.0			G3/500
BL	(0°-30°)	27.6	0.1	B0/110		
BM	(30°-60°)	46.9	0.2	B0/220		
BH	(60°-80°)	43.5	0.2	B0/110		G0/110
BVH	(80°-90°)	5.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7
2.5°	214.4	216.4	212.4	204.5	198.5	198.5	196.5	190.6	190.6	184.6	180.6
5°	299.7	295.8	287.8	272.0	258.1	244.2	230.3	216.4	214.4	196.5	184.6
7.5°	490.3	494.3	468.5	418.8	377.2	323.6	273.9	244.2	240.2	210.4	186.6
10°	1075.9	1046.1	986.6	794.0	653.1	492.3	365.3	283.9	279.9	226.3	190.6
12.5°	1961.2	1937.4	1828.2	1629.7	1266.5	881.4	534.0	351.4	339.4	240.2	192.6
15°	2826.7	2789.0	2729.5	2529.0	2104.2	1580.1	873.4	480.4	448.6	260.0	190.6
17.5°	3378.6	3384.5	3330.9	3245.6	2971.6	2338.4	1508.7	716.6	655.1	295.8	186.6
20°	3861.0	3847.1	3876.8	3831.2	3638.6	3178.1	2195.5	1135.5	1030.2	353.3	188.6
22.5°	4416.8	4450.5	4472.4	4462.4	4250.0	3857.0	2975.6	1699.2	1566.2	458.6	194.5
25°	5161.2	5157.2	5159.2	5133.4	4926.9	4490.2	3757.7	2399.9	2265.0	629.3	208.4
27.5°	5941.3	5965.1	5975.0	5881.8	5611.8	5183.0	4482.3	3166.2	3007.4	903.2	226.3
30°	7007.3	6987.4	6941.8	6751.2	6423.7	5891.7	5196.9	3970.1	3803.4	1286.3	254.1
32.5°	8444.5	8422.6	8192.4	7771.5	7281.2	6630.1	5915.5	4776.1	4573.6	1764.7	291.8
35°	10812.7	10846.4	10280.7	9190.9	8311.5	7517.4	6711.5	5578.0	5399.4	2354.3	343.4
37.5°	14439.4	14254.8	13486.5	11561.0	9667.3	8625.1	7471.8	6387.9	6233.1	3080.8	410.9
40°	17962.9	17780.2	17557.9	15733.6	12023.5	9845.9	8535.8	7338.8	7138.3	3900.7	510.2
42.5°	21667.0	21565.8	21555.8	20180.2	16323.2	11765.5	9816.2	8452.4	8281.7	4799.9	672.9
45°	24291.3	24190.0	24402.4	24642.6	22179.1	15878.5	12045.4	9899.5	9651.4	5891.7	933.0
47.5°	24644.6	24648.6	25216.3	25968.6	26530.4	22240.7	15015.0	11817.1	11515.4	7453.9	1369.7
50°	23469.4	23515.1	24418.3	25764.2	27276.8	27578.5	20251.6	14600.2	14153.5	9306.0	1989.0
52.5°	21232.3	21283.9	22542.4	24755.8	26590.0	28860.9	26417.3	18240.8	17726.6	11616.6	2862.5
55°	19217.4	19249.2	20692.3	23489.3	25762.2	28164.1	30077.7	23102.2	22427.3	14459.2	3724.0
57.5°	17222.4	17149.0	18087.9	21289.8	25621.2	27308.6	30617.7	28642.5	27898.1	17565.8	4394.9
60°	14554.5	14431.4	15185.8	17222.4	23767.2	27870.3	29607.3	31707.5	31538.7	21891.3	4913.0
61°	13020.0	12968.4	13726.7	15473.6	22206.9	27727.4	29365.1	31836.5	31854.4	23937.9	5145.3
62.5°	9298.0	9444.9	10604.2	12875.1	18600.1	26800.4	29396.8	31437.5	31614.2	26657.4	5746.8
65°	4132.9	4369.1	5270.3	7118.4	10816.6	22294.3	29115.0	30562.1	30474.7	27403.8	7819.2
67.5°	2451.6	2487.3	2935.9	4033.7	5728.9	11991.8	25692.7	29404.8	29287.7	23856.5	9728.8
70°	1931.5	1949.3	2092.3	2531.0	3325.0	4593.4	14663.7	25440.6	25950.8	19344.5	9524.3
72.5°	1832.2	1828.2	1848.1	1925.5	2094.2	2278.9	5677.3	16910.8	17949.0	13931.2	7985.9
75°	1808.4	1800.5	1780.6	1750.8	1516.6	1341.9	1758.8	7479.7	8081.2	9518.4	6012.8
77.5°	1754.8	1756.8	1760.8	1679.4	1300.2	948.9	851.6	2399.9	2951.8	6040.6	4273.8
80°	1187.1	1204.9	1234.7	1202.9	1169.2	686.8	601.5	853.6	865.5	3390.5	2822.8
82.5°	601.5	601.5	587.6	524.1	452.6	446.6	478.4	619.3	627.3	1715.1	1328.0
85°	363.3	383.1	391.1	355.3	325.6	299.7	365.3	492.3	510.2	665.0	309.7
87.5°	81.4	83.4	91.3	121.1	176.7	240.2	339.4	450.6	458.6	426.8	37.7
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: P1047945

CATALOG NUMBER: GALN-SA9A-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7	176.7
2.5°	178.7	174.7	172.7	166.7	160.8	154.8	150.9	148.9	150.9	152.9	152.9
5°	176.7	170.7	160.8	150.9	142.9	135.0	127.0	125.1	125.1	127.0	127.0
7.5°	176.7	166.7	152.9	140.9	129.0	117.1	111.2	107.2	109.2	109.2	109.2
10°	176.7	164.8	146.9	129.0	115.1	101.2	91.3	87.3	87.3	87.3	87.3
12.5°	174.7	162.8	140.9	119.1	99.3	83.4	71.5	65.5	67.5	67.5	67.5
15°	170.7	156.8	133.0	101.2	79.4	63.5	51.6	45.7	47.6	51.6	53.6
17.5°	164.8	150.9	119.1	85.4	63.5	47.6	35.7	31.8	33.7	39.7	39.7
20°	162.8	144.9	105.2	69.5	47.6	33.7	23.8	19.9	21.8	29.8	31.8
22.5°	162.8	140.9	95.3	57.6	35.7	21.8	13.9	7.9	7.9	13.9	13.9
25°	164.8	139.0	87.3	47.6	25.8	15.9	7.9	4.0	7.9	21.8	25.8
27.5°	168.7	137.0	83.4	39.7	19.9	13.9	6.0	13.9	23.8	23.8	23.8
30°	172.7	133.0	77.4	33.7	17.9	9.9	9.9	19.9	19.9	23.8	25.8
32.5°	178.7	131.0	73.4	29.8	13.9	7.9	13.9	11.9	11.9	13.9	15.9
35°	190.6	133.0	69.5	29.8	13.9	9.9	11.9	6.0	4.0	4.0	4.0
37.5°	206.4	135.0	63.5	25.8	11.9	11.9	6.0	0.0	0.0	0.0	0.0
40°	232.3	140.9	59.6	23.8	9.9	9.9	2.0	0.0	0.0	0.0	0.0
42.5°	275.9	152.9	57.6	21.8	9.9	7.9	0.0	0.0	0.0	0.0	0.0
45°	363.3	180.6	53.6	19.9	9.9	4.0	0.0	0.0	0.0	0.0	0.0
47.5°	522.1	246.1	51.6	15.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	762.3	333.5	49.6	13.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	972.7	351.4	33.7	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	996.5	242.2	25.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	794.0	156.8	21.8	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	601.5	119.1	19.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	577.7	107.2	19.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	637.2	93.3	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1036.2	77.4	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1800.5	67.5	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2274.9	63.5	11.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1983.1	57.6	11.9	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1193.0	49.6	11.9	7.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	625.3	37.7	11.9	9.9	6.0	2.0	0.0	0.0	0.0	0.0	0.0
80°	303.7	33.7	13.9	9.9	7.9	4.0	0.0	0.0	0.0	0.0	0.0
82.5°	119.1	27.8	15.9	13.9	9.9	6.0	2.0	0.0	0.0	0.0	0.0
85°	53.6	23.8	17.9	15.9	13.9	7.9	2.0	0.0	0.0	0.0	0.0
87.5°	27.8	21.8	19.9	17.9	13.9	9.9	4.0	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

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

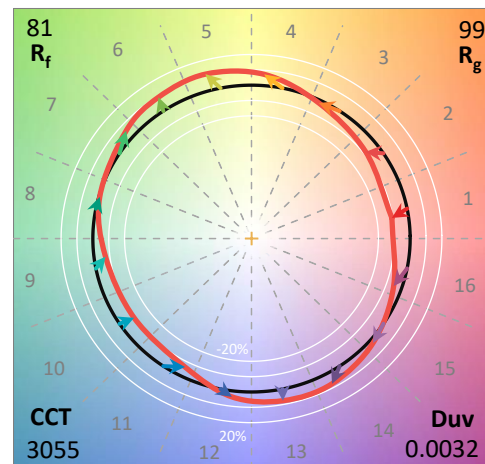
Test Information

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

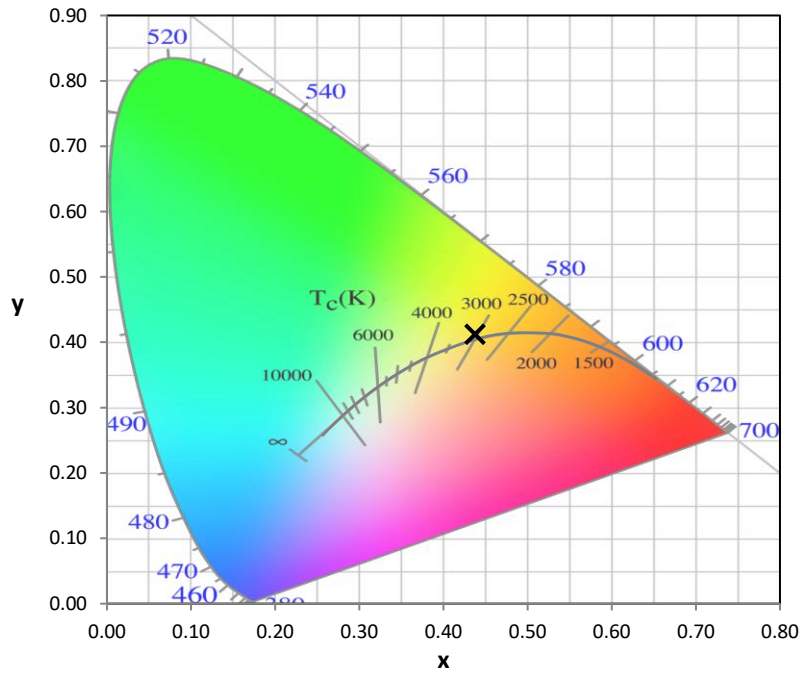
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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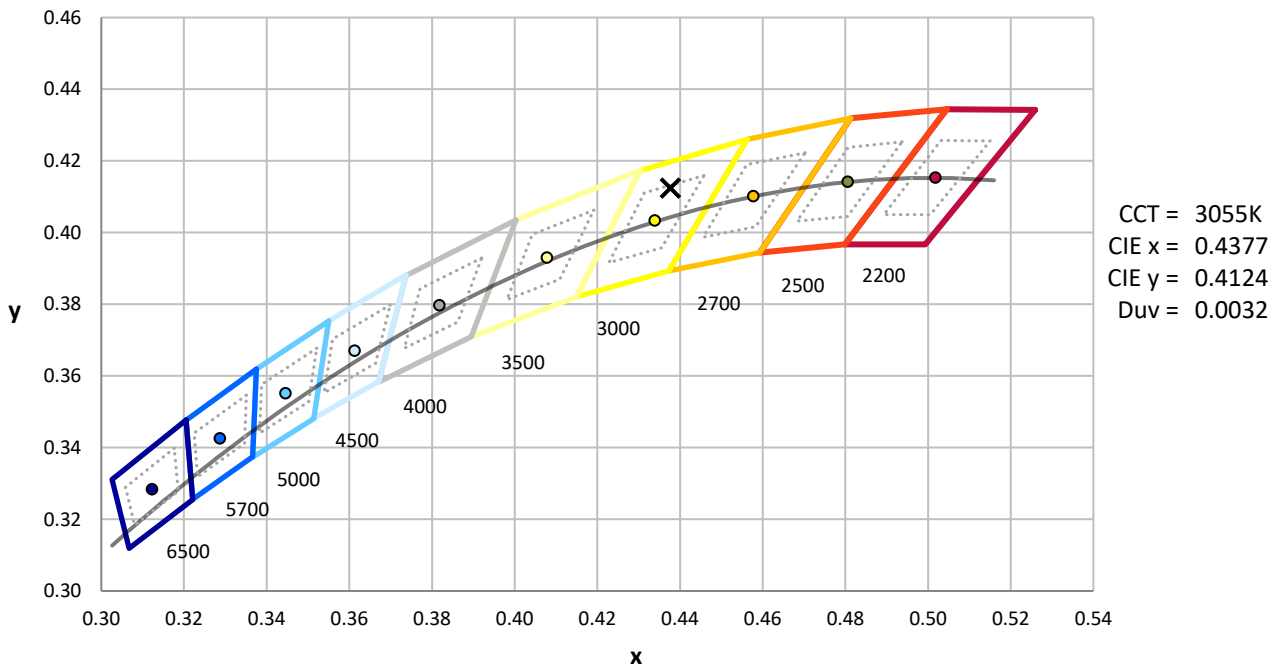
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



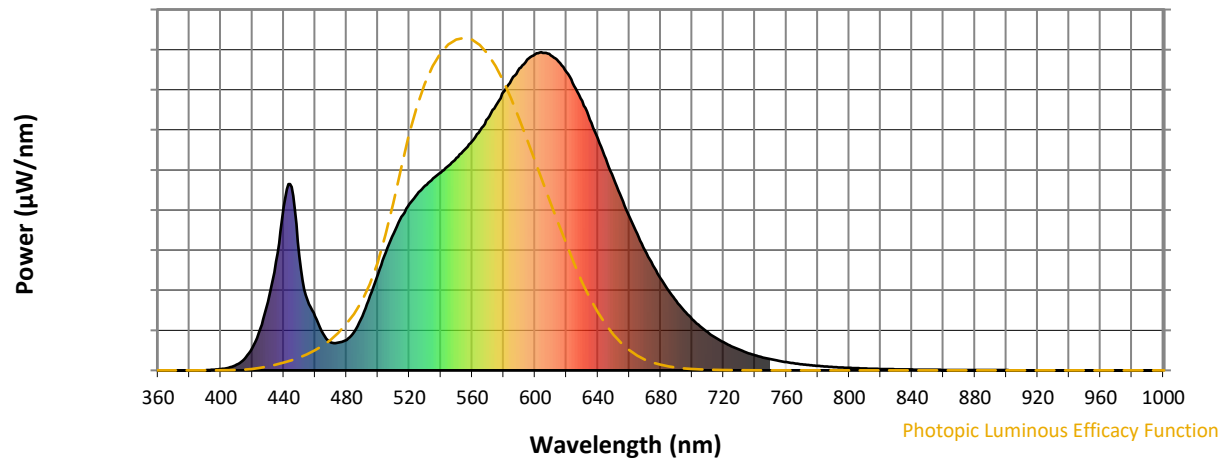
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

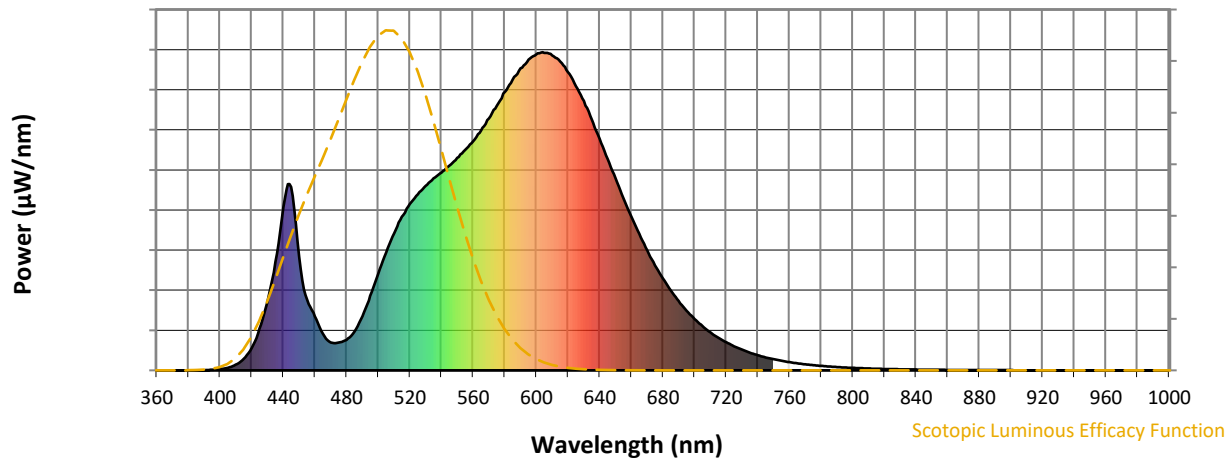


Photopic Lumens: NR

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



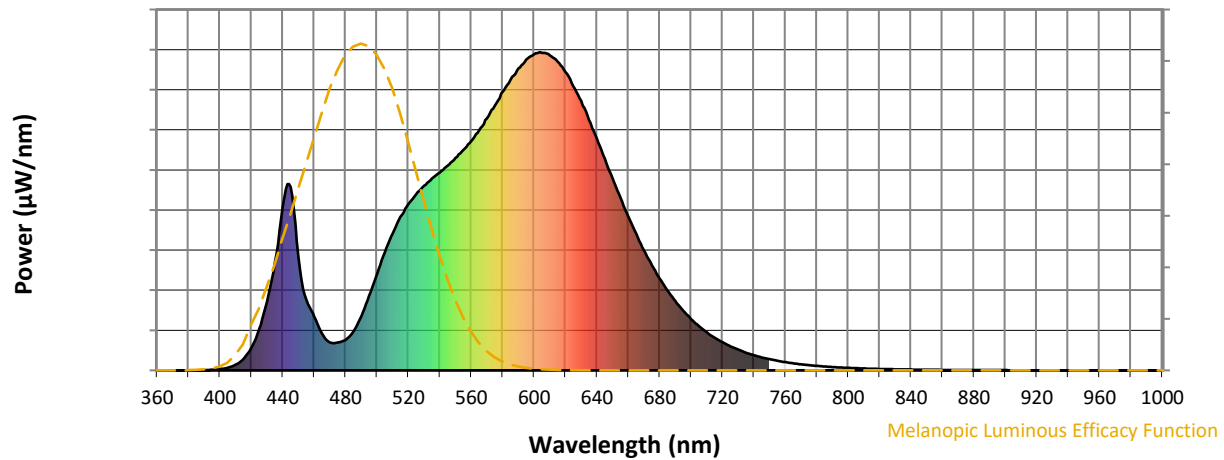
Scotopic Lumens: NR

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

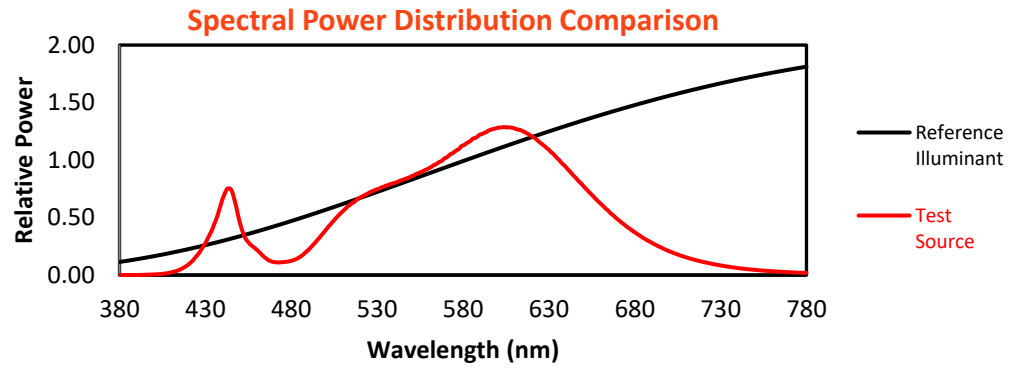
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	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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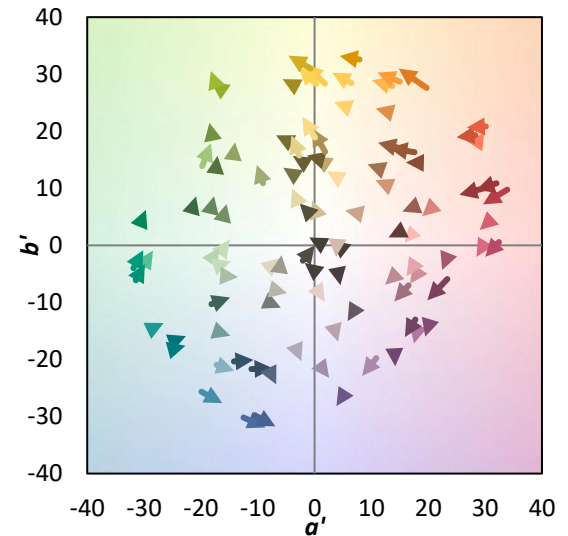
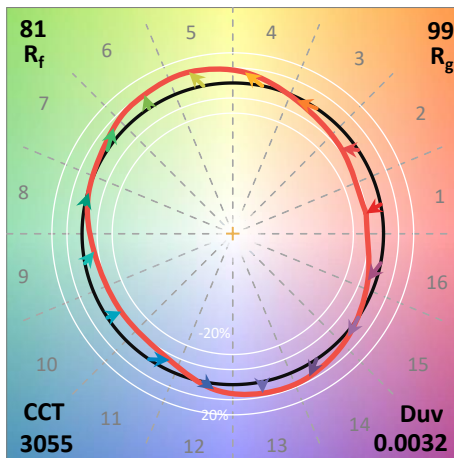
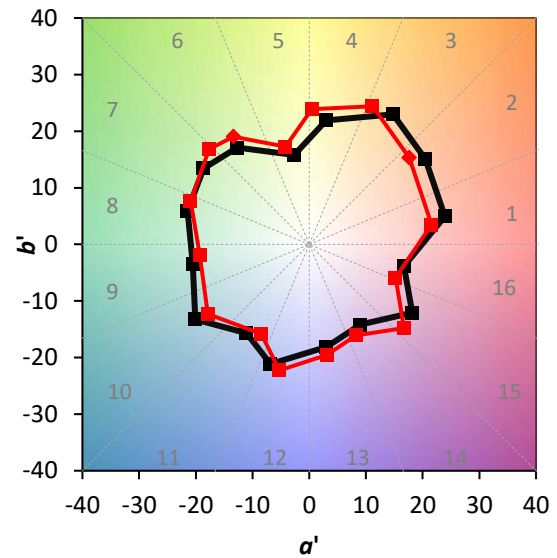
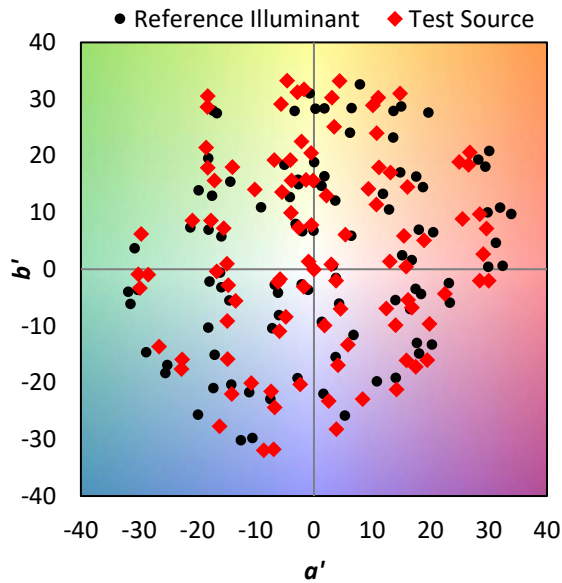
TM-30-18

Summary

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

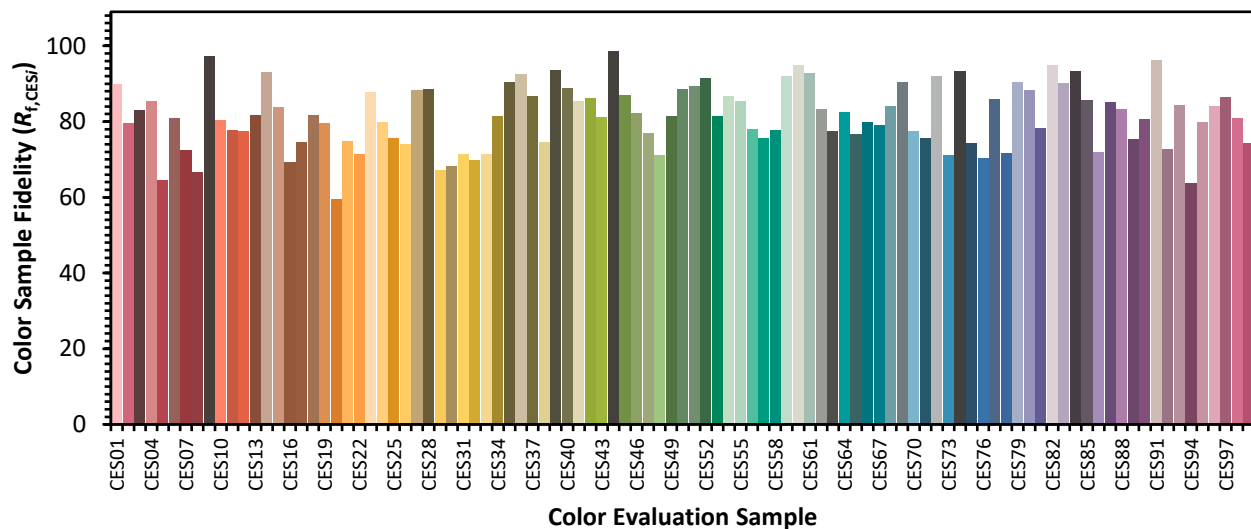


Color Vector Graphics

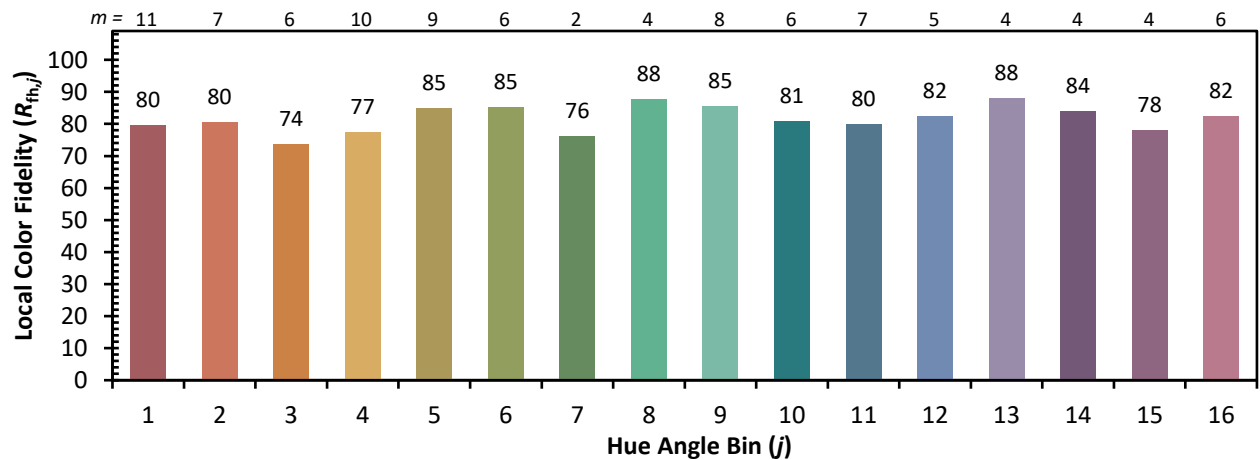
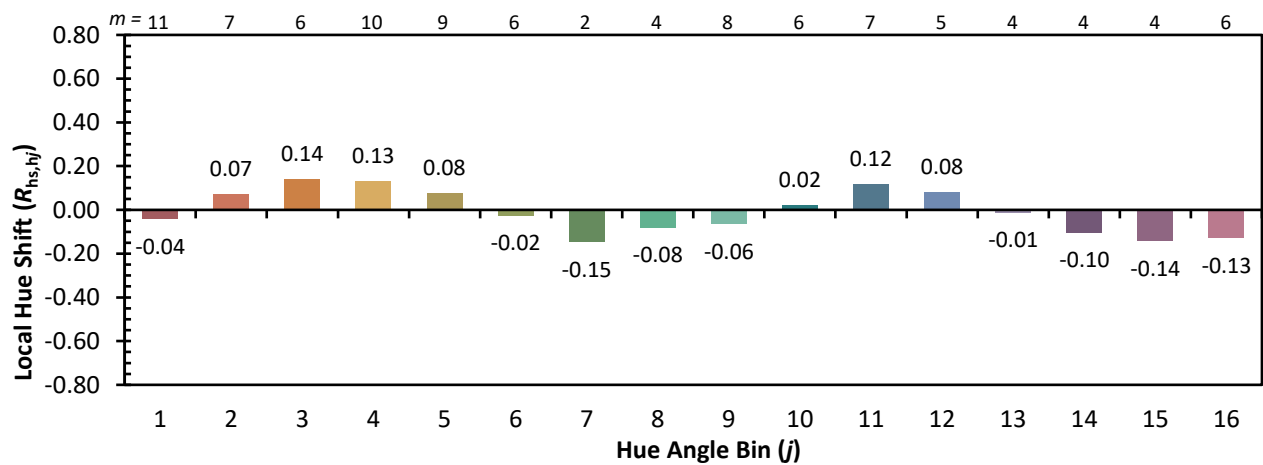
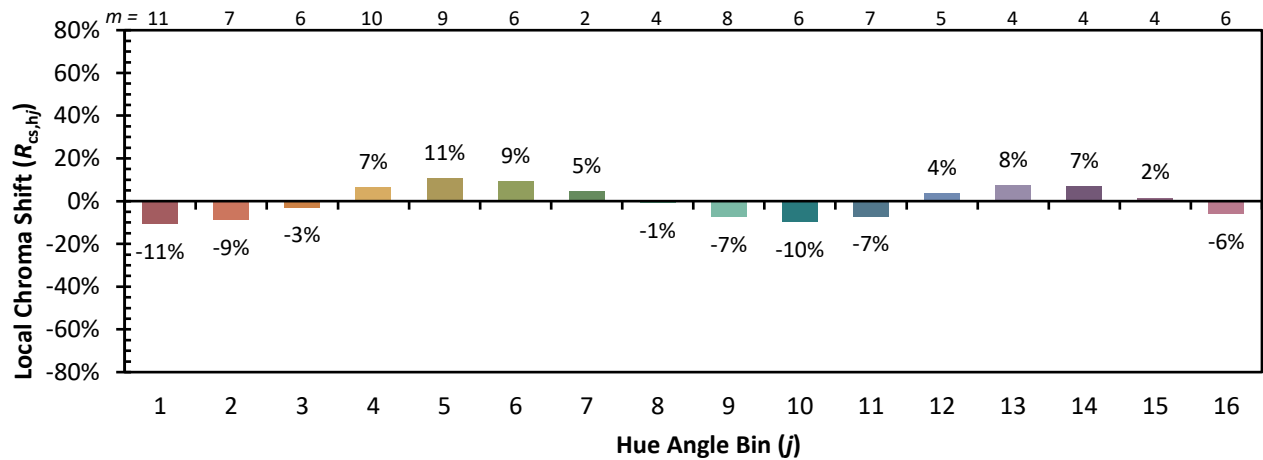


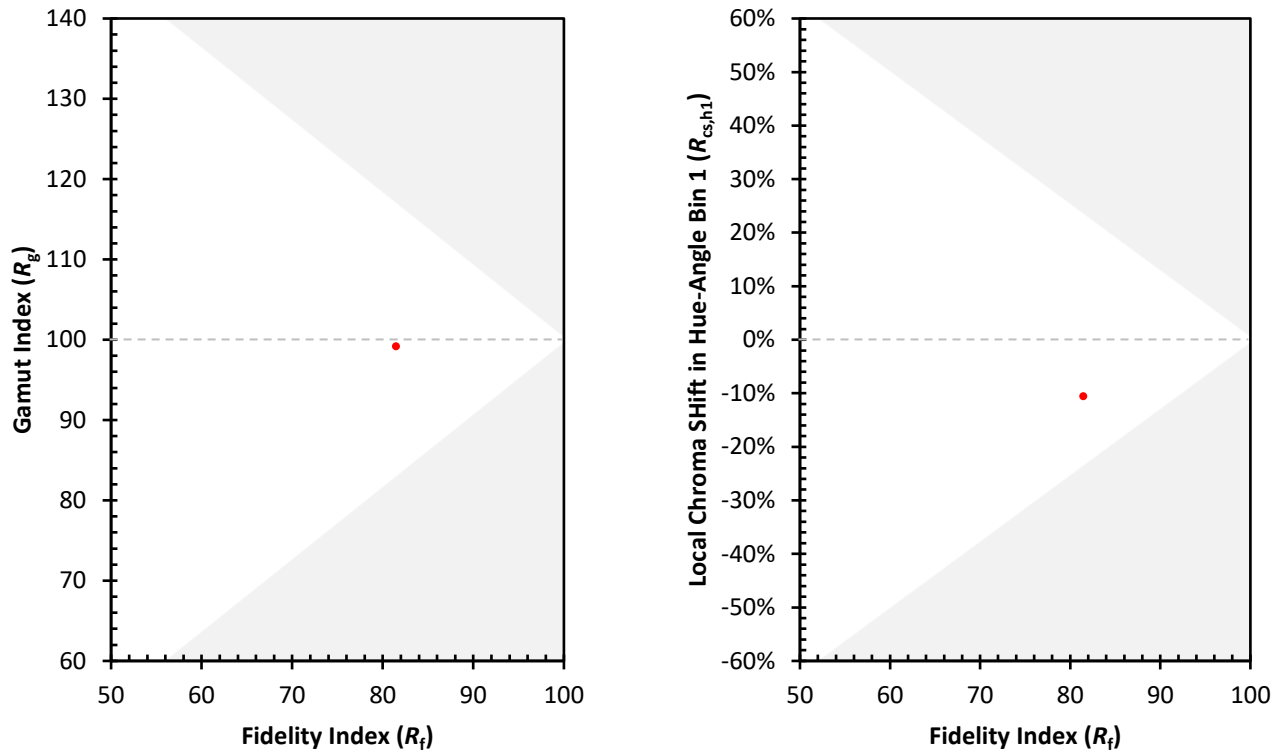
Individual Sample Fidelity Index ($R_{f,i}$)

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)