

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: P1047309

Luminaire Tested: **GALN-SA3A-830-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047309
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-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10339.8 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - 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

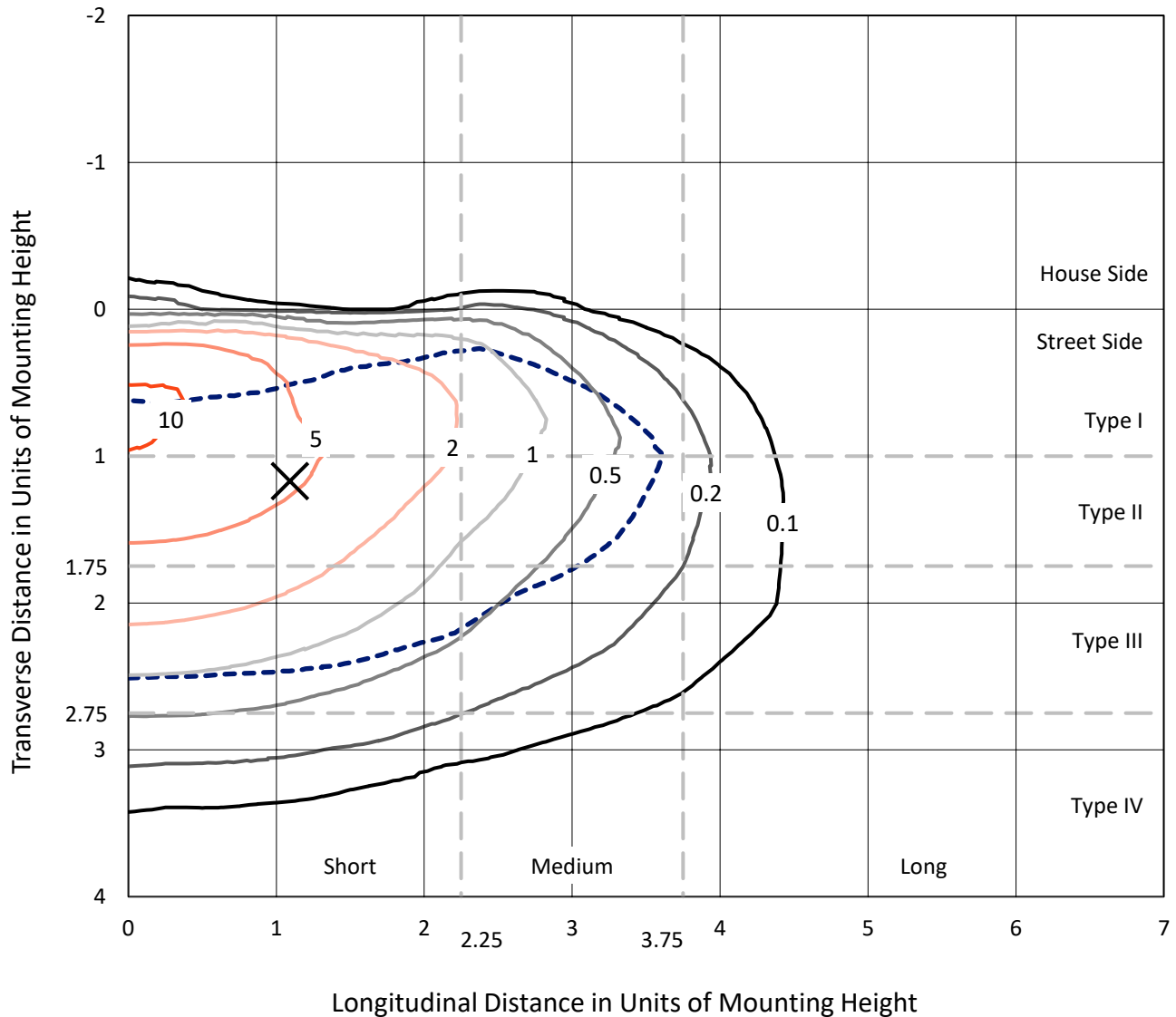


REPORT NUMBER: P1047309

CATALOG NUMBER: GALN-SA3A-830-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

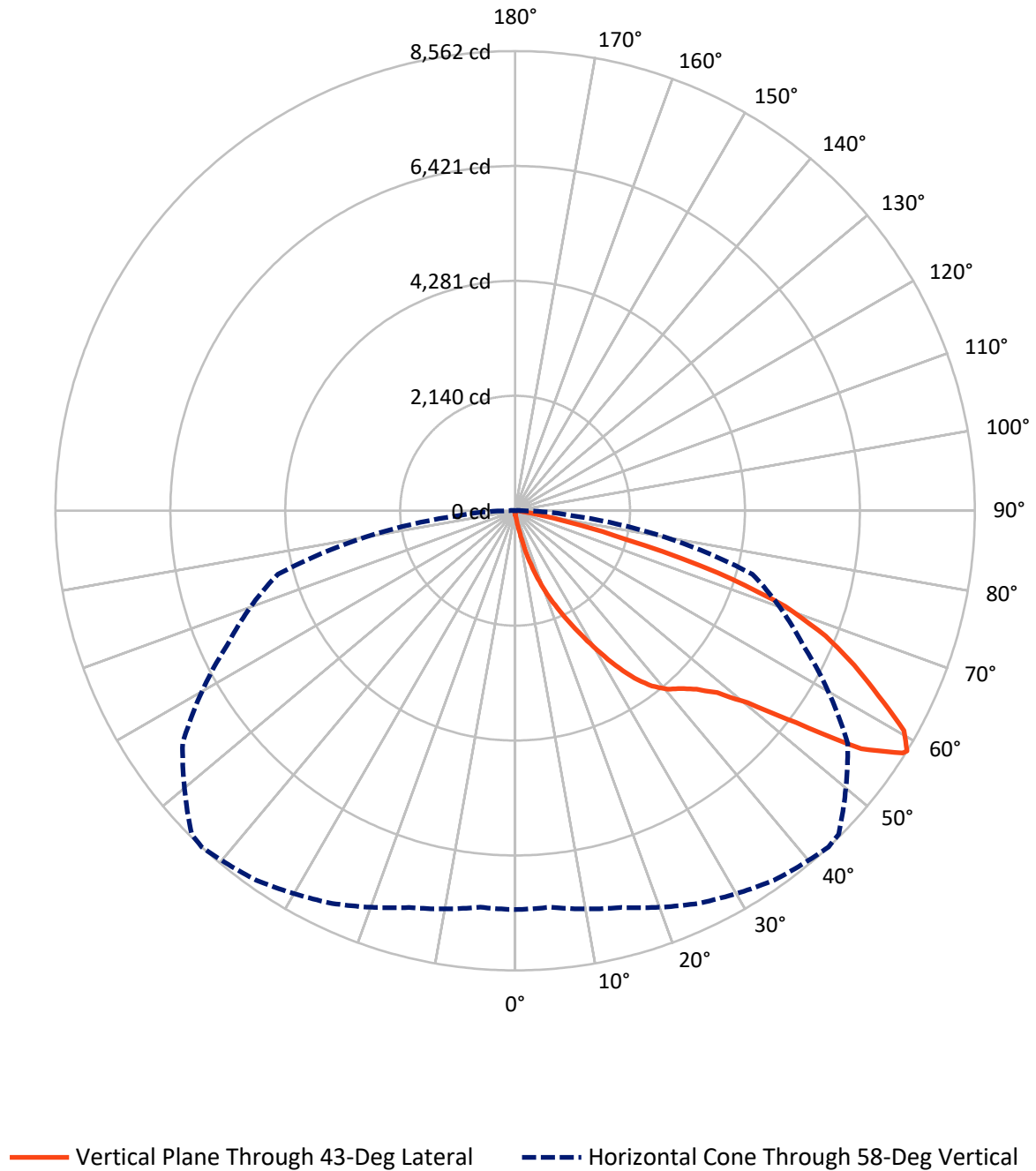


Based on 15 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Short - N/A

REPORT NUMBER: P1047309

CATALOG NUMBER: GALN-SA3A-830-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1047309

CATALOG NUMBER: GALN-SA3A-830-U-T3BC

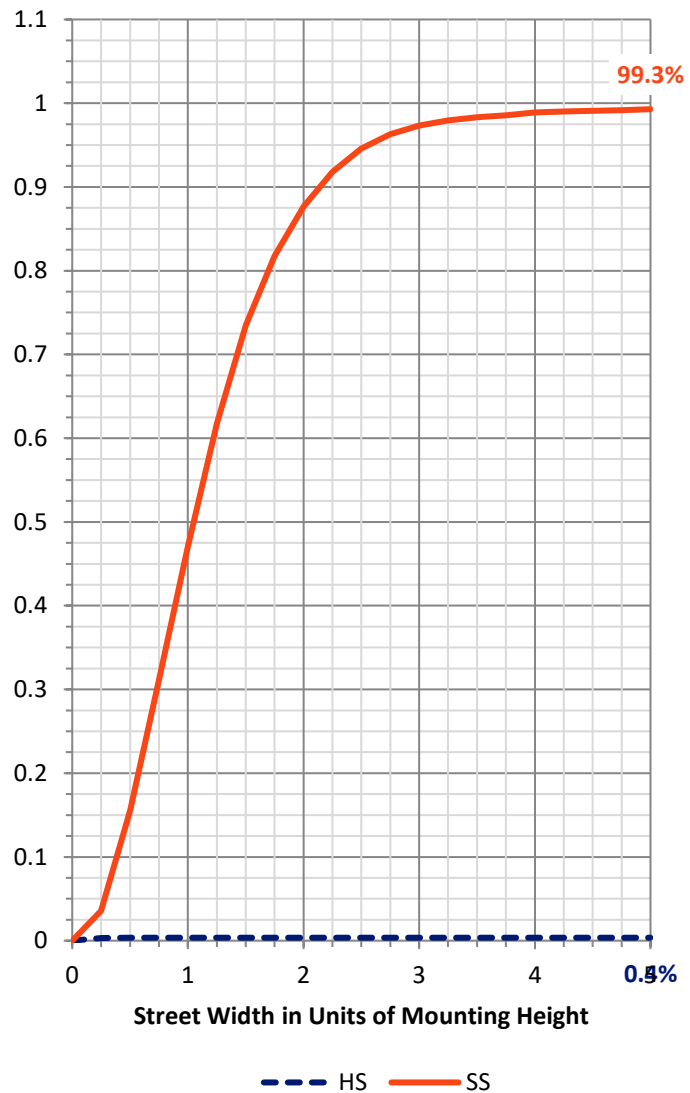
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.7	0.0	37.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10302.0	0.0	10302.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	10339.8	0.0	10339.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.1
10°-20°	118.9	1.1
20°-30°	428.4	4.1
30°-40°	980.1	9.5
40°-50°	1653.1	16.0
50°-60°	2728.0	26.4
60°-70°	3049.0	29.5
70°-80°	1258.9	12.2
80°-90°	113.5	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°	10339.8	100.0
0°-180°	10339.8	100.0



REPORT NUMBER: P1047309

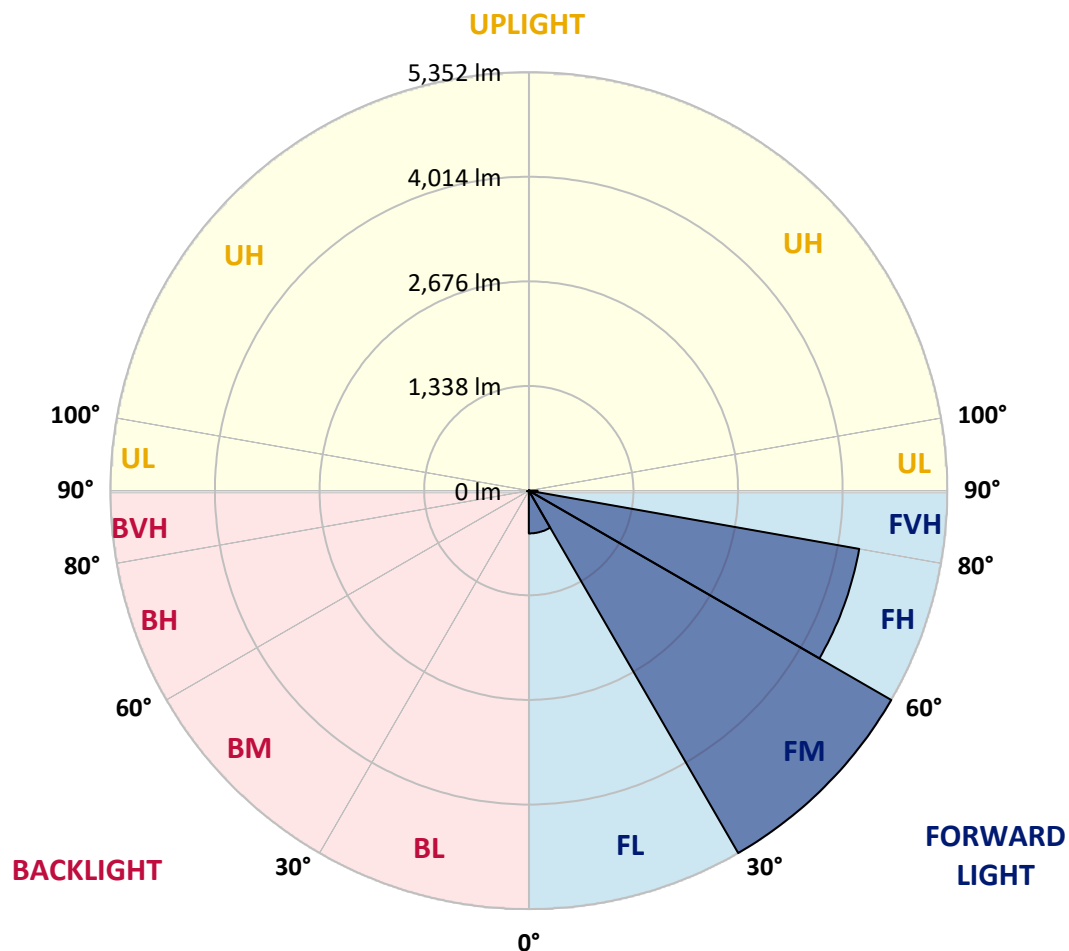
CATALOG NUMBER: GALN-SA3A-830-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	547.3	5.3			
FM	(30°-60°)	5352.3	51.8			
FH	(60°-80°)	4290.5	41.5			G2/5000
FVH	(80°-90°)	111.9	1.1			G2/225
BL	(0°-30°)	9.8	0.1	B0/110		
BM	(30°-60°)	9.0	0.1	B0/220		
BH	(60°-80°)	17.3	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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 III Short



REPORT NUMBER: P1047309

CATALOG NUMBER: GALN-SA3A-830-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	81.1	83.8	81.1	81.1	81.1	78.4	78.4	75.7	75.7	73.0	70.3
5°	119.0	119.0	110.9	105.5	100.1	97.4	94.6	89.2	83.8	78.4	73.0
7.5°	265.0	265.0	240.7	208.2	165.0	140.6	135.2	110.9	94.6	83.8	73.0
10°	632.8	632.8	578.7	489.5	378.6	281.2	251.5	159.6	113.6	89.2	75.7
12.5°	1052.0	1065.5	997.9	884.3	719.3	549.0	489.5	292.1	151.4	97.4	75.7
15°	1427.9	1395.4	1376.5	1268.3	1111.5	908.6	832.9	492.2	219.0	110.9	75.7
17.5°	1682.1	1682.1	1655.0	1582.0	1438.7	1260.2	1198.0	795.1	354.3	127.1	78.4
20°	1979.5	1979.5	1930.9	1879.5	1752.4	1600.9	1541.4	1130.4	549.0	162.3	78.4
22.5°	2339.2	2344.6	2290.5	2198.6	2076.9	1909.2	1857.8	1441.4	795.1	216.3	81.1
25°	2777.3	2782.7	2704.3	2617.7	2431.1	2250.0	2171.5	1798.3	1095.2	302.9	81.1
27.5°	3261.4	3299.2	3182.9	3034.2	2836.8	2609.6	2550.1	2120.2	1392.7	427.3	86.5
30°	3864.4	3864.4	3710.3	3502.0	3288.4	3007.2	2931.4	2458.2	1709.1	592.2	91.9
32.5°	4383.6	4343.1	4145.7	3926.6	3699.4	3437.1	3356.0	2812.4	2033.6	797.8	102.8
35°	4781.2	4746.0	4502.6	4267.3	4069.9	3829.3	3731.9	3196.5	2377.1	1030.3	119.0
37.5°	5121.9	5108.4	4778.5	4483.7	4353.9	4142.9	4056.4	3558.8	2715.1	1281.8	137.9
40°	5495.1	5451.8	5100.3	4735.2	4540.5	4370.1	4291.7	3850.9	3039.6	1576.6	165.0
42.5°	5814.2	5762.8	5446.4	5089.4	4756.8	4527.0	4451.2	4097.0	3356.0	1871.4	200.1
45°	6168.5	6141.4	5822.3	5551.9	5108.4	4740.6	4640.5	4294.4	3645.4	2222.9	246.1
47.5°	6701.2	6652.5	6355.0	6133.3	5619.5	5065.1	4921.8	4497.2	3923.9	2569.1	316.4
50°	7320.5	7288.0	7112.2	6936.5	6425.4	5619.5	5449.1	4789.3	4234.9	2980.1	408.3
52.5°	7826.2	7820.8	7842.4	7845.1	7458.4	6552.5	6298.3	5259.8	4591.9	3385.8	538.2
55°	7815.4	7839.7	8077.7	8350.8	8380.5	7826.2	7580.1	6052.2	5057.0	3886.0	719.3
57.5°	7523.3	7504.4	7755.9	8166.9	8456.3	8515.8	8475.2	7282.6	5757.4	4489.1	997.9
58°	7428.6	7412.4	7650.4	8069.6	8402.2	8561.7	8521.2	7561.2	5914.2	4575.6	1073.6
60°	7085.2	7087.9	7228.5	7609.8	7942.5	8321.1	8358.9	8356.2	6695.8	5154.3	1454.9
62.5°	6630.9	6609.2	6739.1	7050.0	7342.1	7596.3	7661.2	8410.3	7839.7	5889.9	2182.3
65°	6003.5	5971.0	6109.0	6460.5	6774.2	6939.2	6941.9	7685.5	8377.8	6679.6	3220.8
67.5°	4837.9	4810.9	5086.7	5538.4	6022.4	6238.8	6336.1	6668.7	7923.5	7215.0	3815.7
70°	2963.9	3020.7	3404.7	4113.2	4940.7	5338.2	5484.3	5587.0	6747.2	7133.9	3191.0
72.5°	1368.4	1300.8	1628.0	2122.9	3066.6	3950.9	4102.4	4505.3	5349.1	6192.8	2379.8
75°	638.2	613.9	689.6	927.6	1390.0	2133.7	2409.5	3596.7	4102.4	4307.9	1717.2
77.5°	327.2	329.9	392.1	421.9	573.3	987.1	1133.1	2366.2	3007.2	2404.1	1152.0
80°	143.3	148.7	151.4	165.0	232.6	381.3	430.0	1097.9	2055.2	1225.0	630.1
82.5°	91.9	94.6	94.6	94.6	110.9	151.4	173.1	440.8	1024.9	608.5	194.7
85°	48.7	48.7	54.1	67.6	78.4	91.9	97.4	140.6	338.0	181.2	46.0
87.5°	27.0	29.7	32.5	40.6	51.4	62.2	67.6	97.4	129.8	124.4	10.8
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: P1047309

CATALOG NUMBER: GALN-SA3A-830-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	70.3	67.6	64.9	62.2	59.5	56.8	56.8	56.8	56.8	56.8	56.8
5°	67.6	64.9	62.2	56.8	51.4	48.7	46.0	43.3	43.3	43.3	43.3
7.5°	67.6	64.9	56.8	51.4	46.0	40.6	35.2	35.2	35.2	35.2	35.2
10°	67.6	62.2	54.1	46.0	37.9	32.5	29.7	27.0	27.0	27.0	27.0
12.5°	67.6	59.5	51.4	40.6	32.5	27.0	24.3	21.6	21.6	21.6	21.6
15°	67.6	59.5	48.7	37.9	29.7	21.6	18.9	16.2	16.2	16.2	16.2
17.5°	64.9	56.8	46.0	32.5	24.3	16.2	13.5	10.8	10.8	13.5	13.5
20°	62.2	54.1	40.6	27.0	18.9	13.5	8.1	8.1	8.1	8.1	8.1
22.5°	62.2	54.1	37.9	24.3	16.2	8.1	5.4	5.4	5.4	5.4	8.1
25°	62.2	51.4	32.5	18.9	10.8	5.4	2.7	2.7	2.7	2.7	2.7
27.5°	62.2	51.4	29.7	16.2	8.1	5.4	2.7	0.0	0.0	0.0	0.0
30°	59.5	48.7	27.0	13.5	5.4	2.7	0.0	0.0	0.0	0.0	0.0
32.5°	59.5	46.0	21.6	10.8	5.4	2.7	0.0	0.0	0.0	0.0	0.0
35°	62.2	43.3	18.9	8.1	2.7	0.0	0.0	0.0	0.0	0.0	2.7
37.5°	64.9	40.6	16.2	5.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	67.6	37.9	16.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	73.0	37.9	13.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	78.4	37.9	10.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	89.2	40.6	10.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	97.4	43.3	8.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	108.2	40.6	8.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	121.7	40.6	8.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	132.5	37.9	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	137.9	35.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	165.0	32.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	256.9	27.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	521.9	24.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	973.5	21.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1089.8	24.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	686.9	18.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	362.4	18.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	181.2	18.9	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	83.8	13.5	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.2	8.1	5.4	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.2	8.1	5.4	5.4	2.7	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	8.1	8.1	8.1	5.4	5.4	2.7	2.7	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

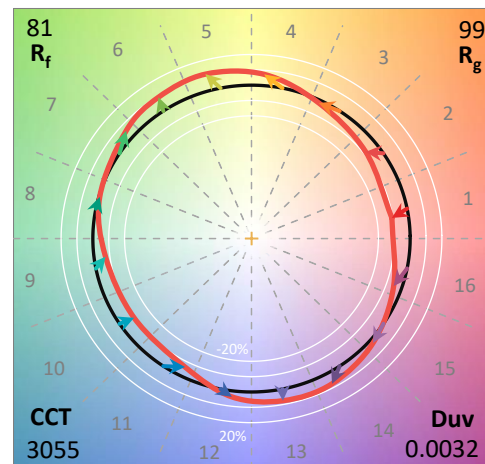
Test Information

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

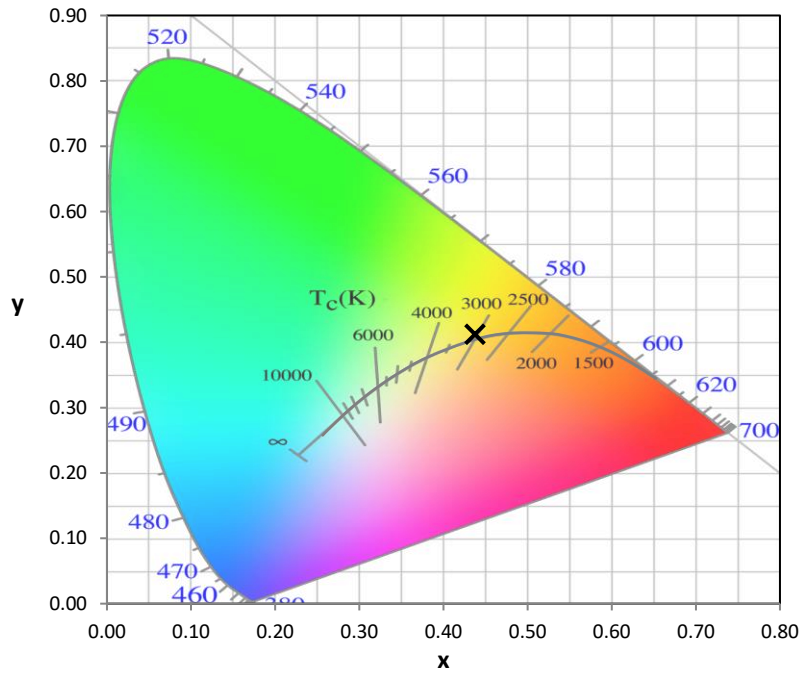
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

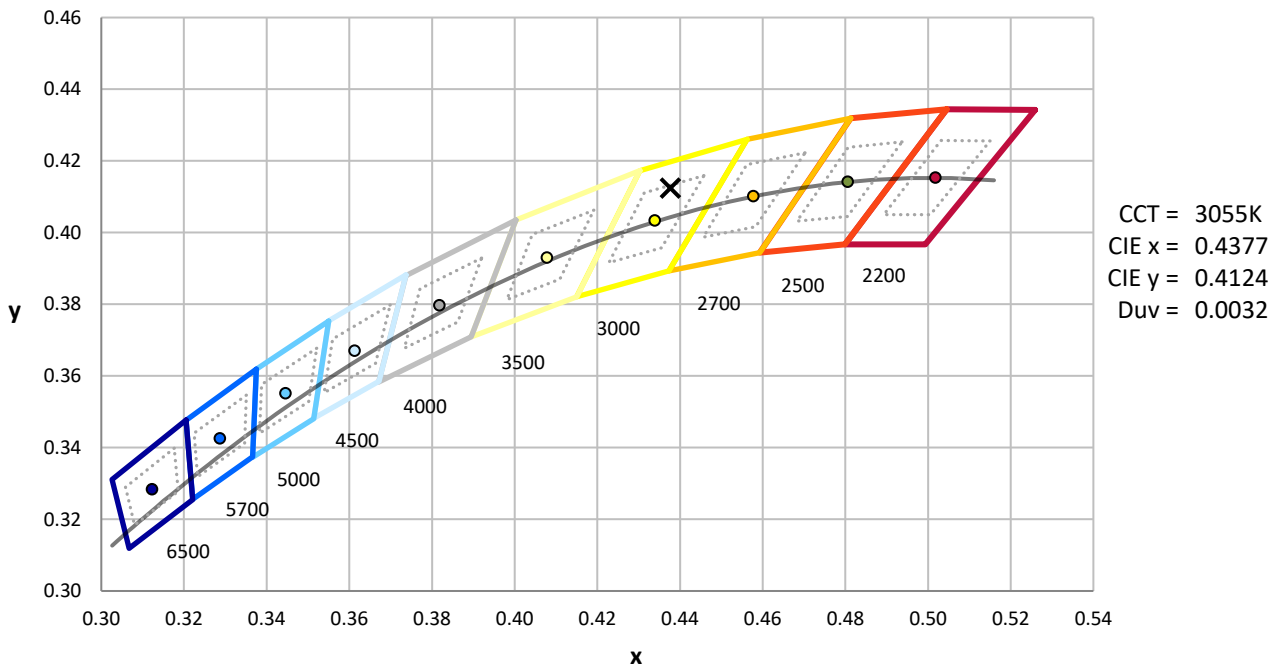
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



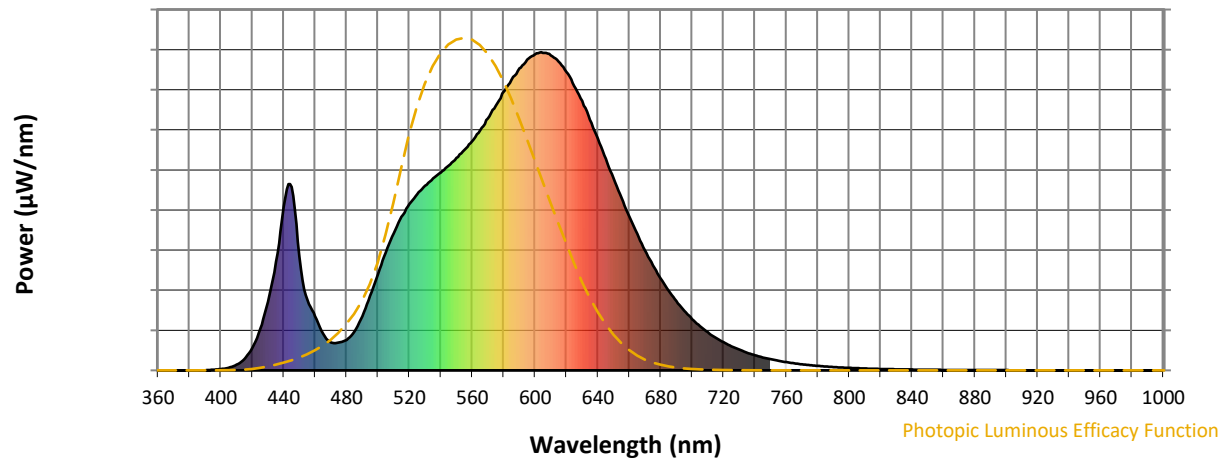
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

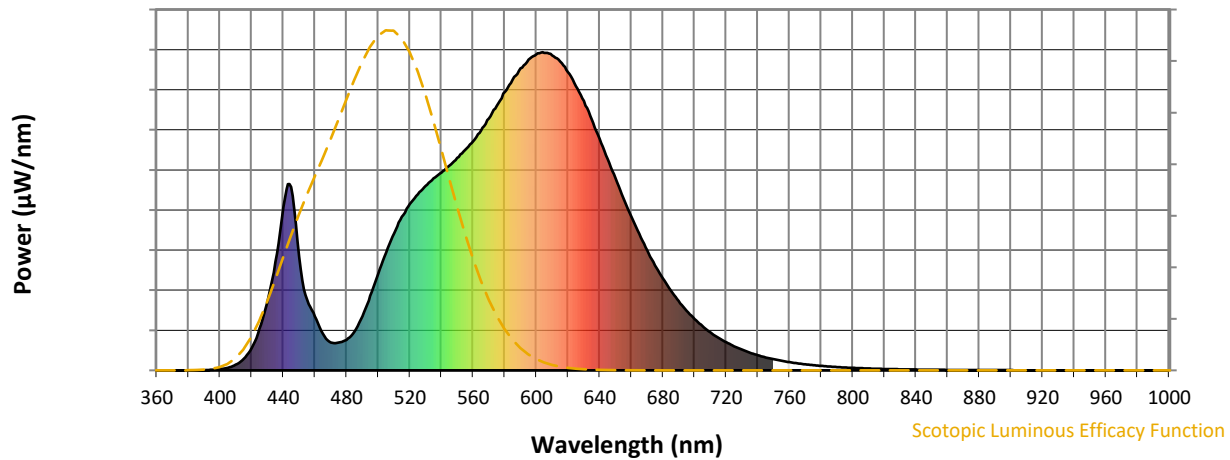


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



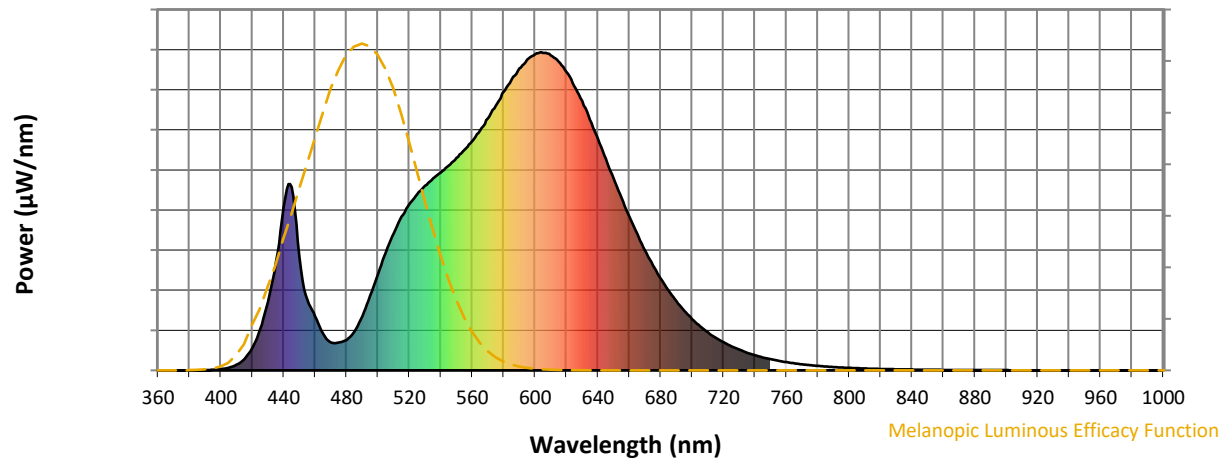
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

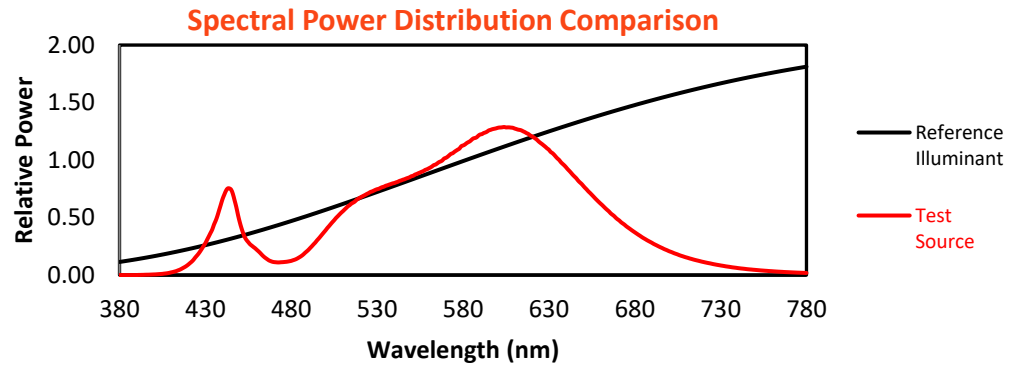
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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

REPORT NUMBER: SP1-2407-184-9

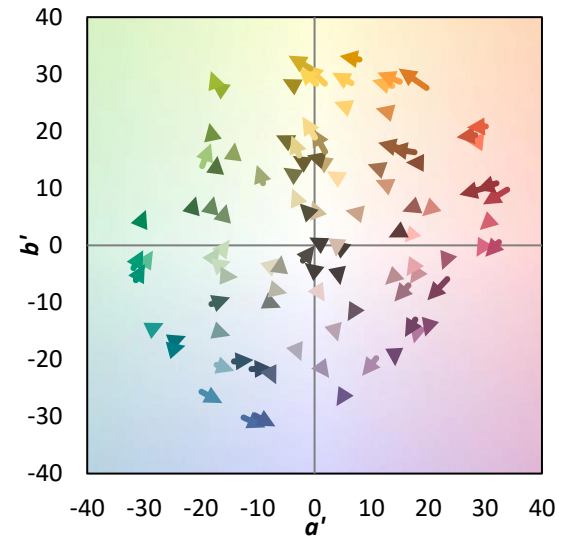
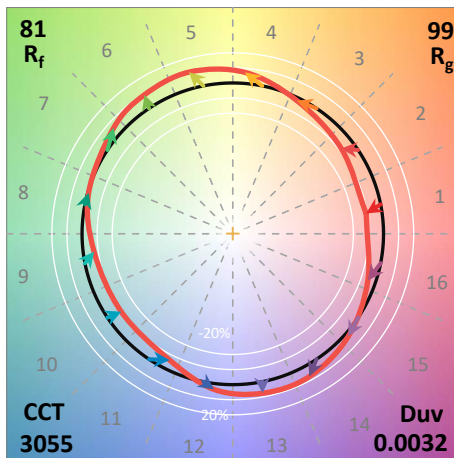
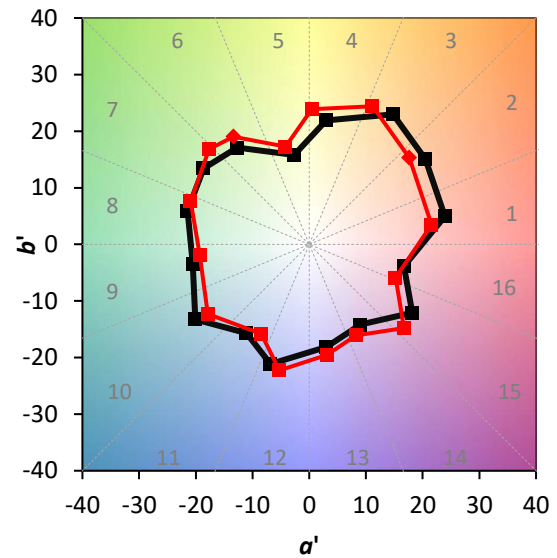
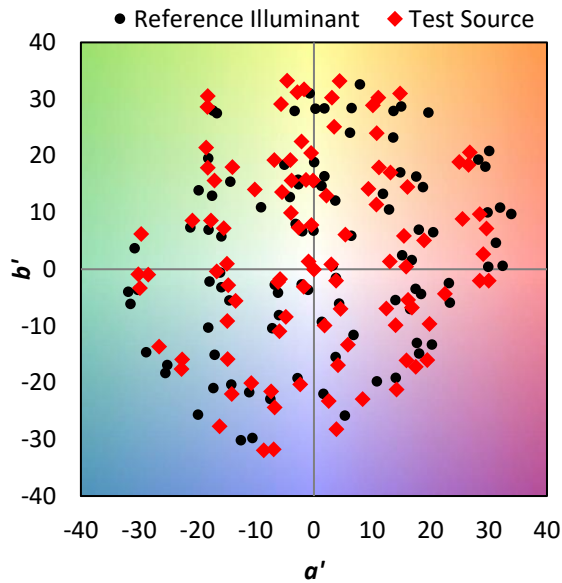
TM-30-18

Summary

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

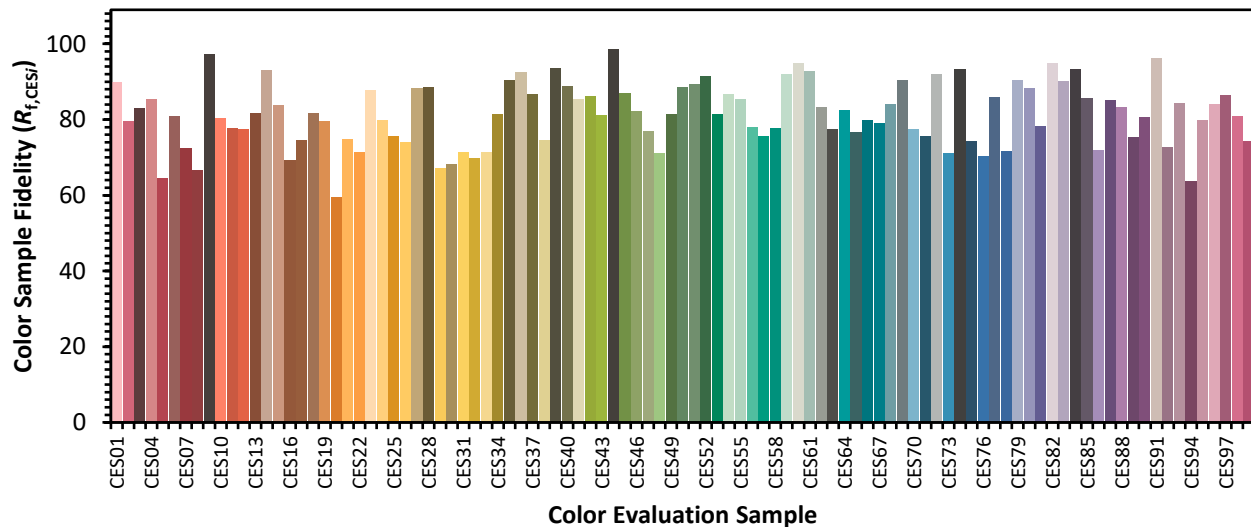


Color Vector Graphics

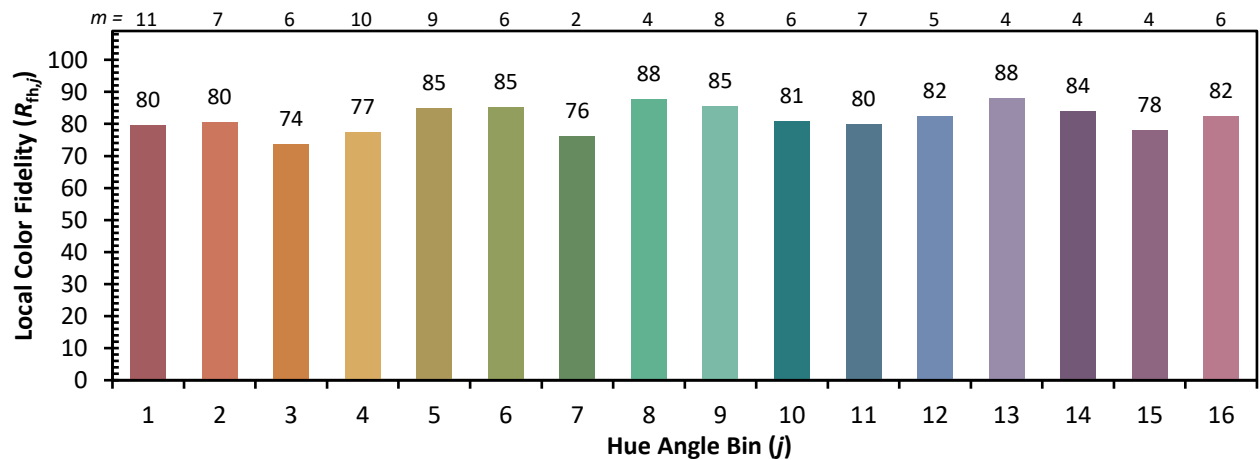
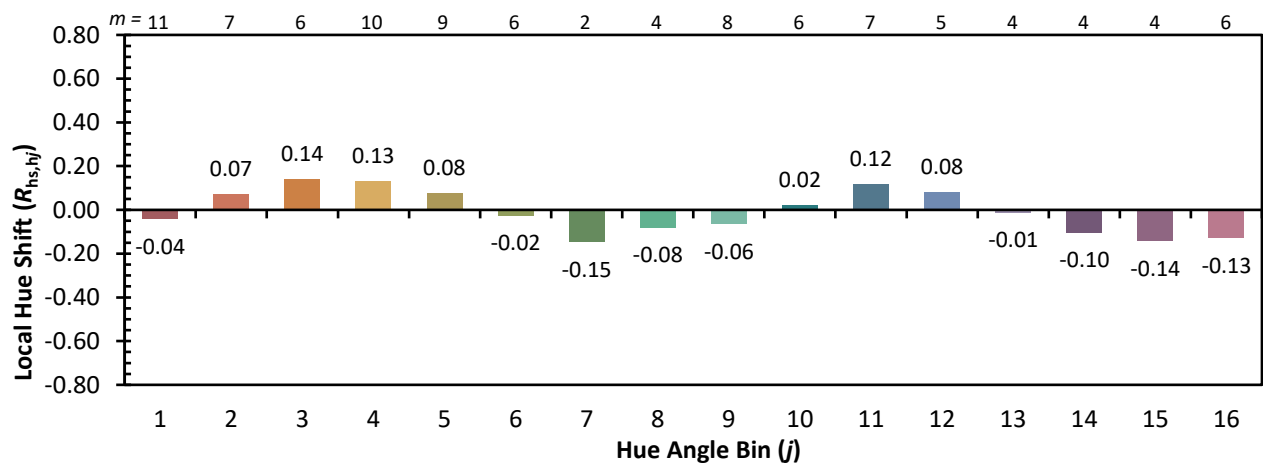
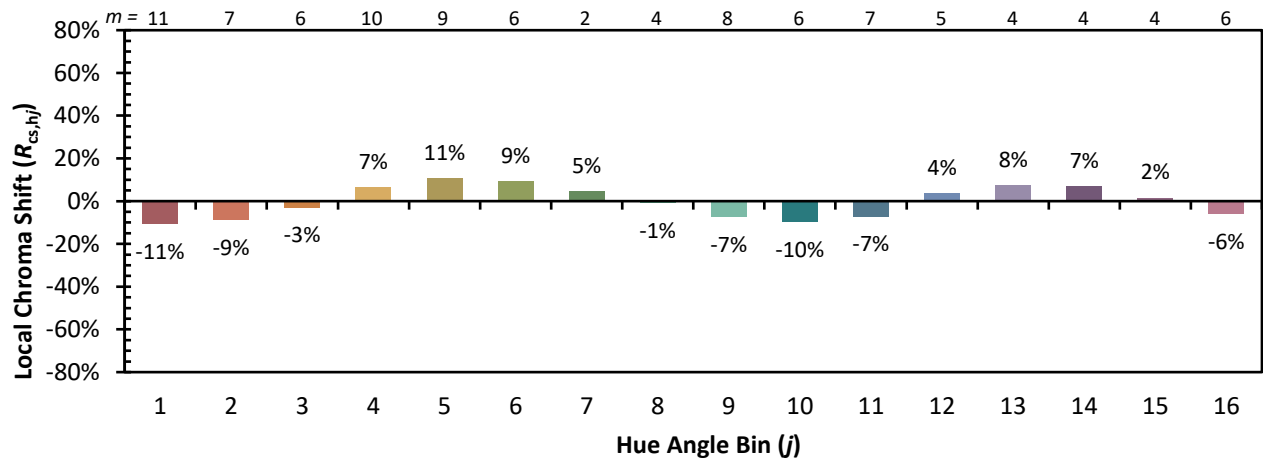


Individual Sample Fidelity Index ($R_{f,i}$)

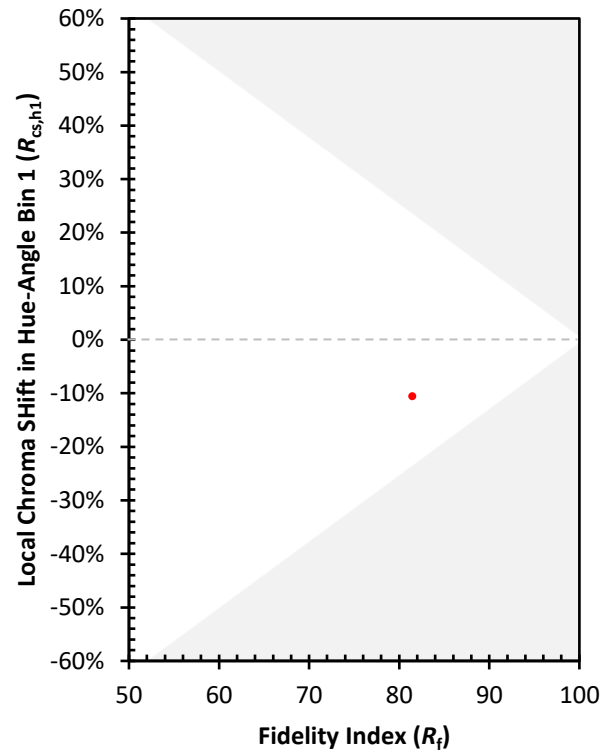
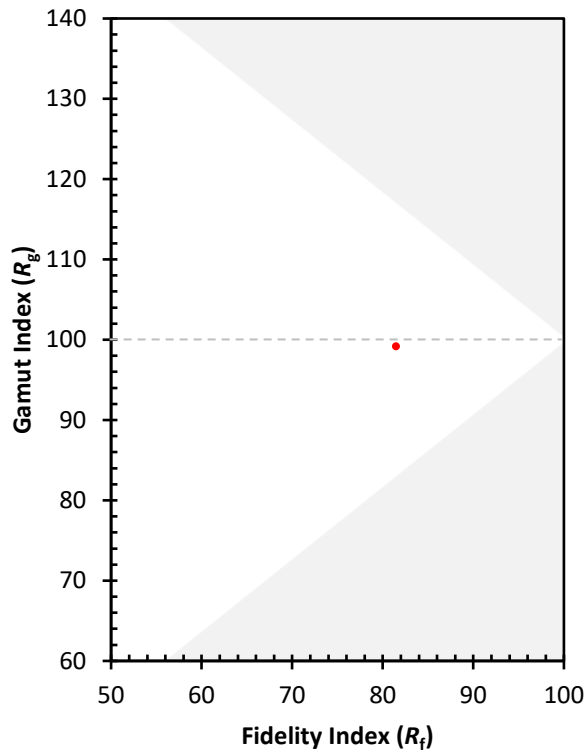
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)