

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: P1047301

Luminaire Tested: **GALN-SA1A-830-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047301
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3437 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29
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



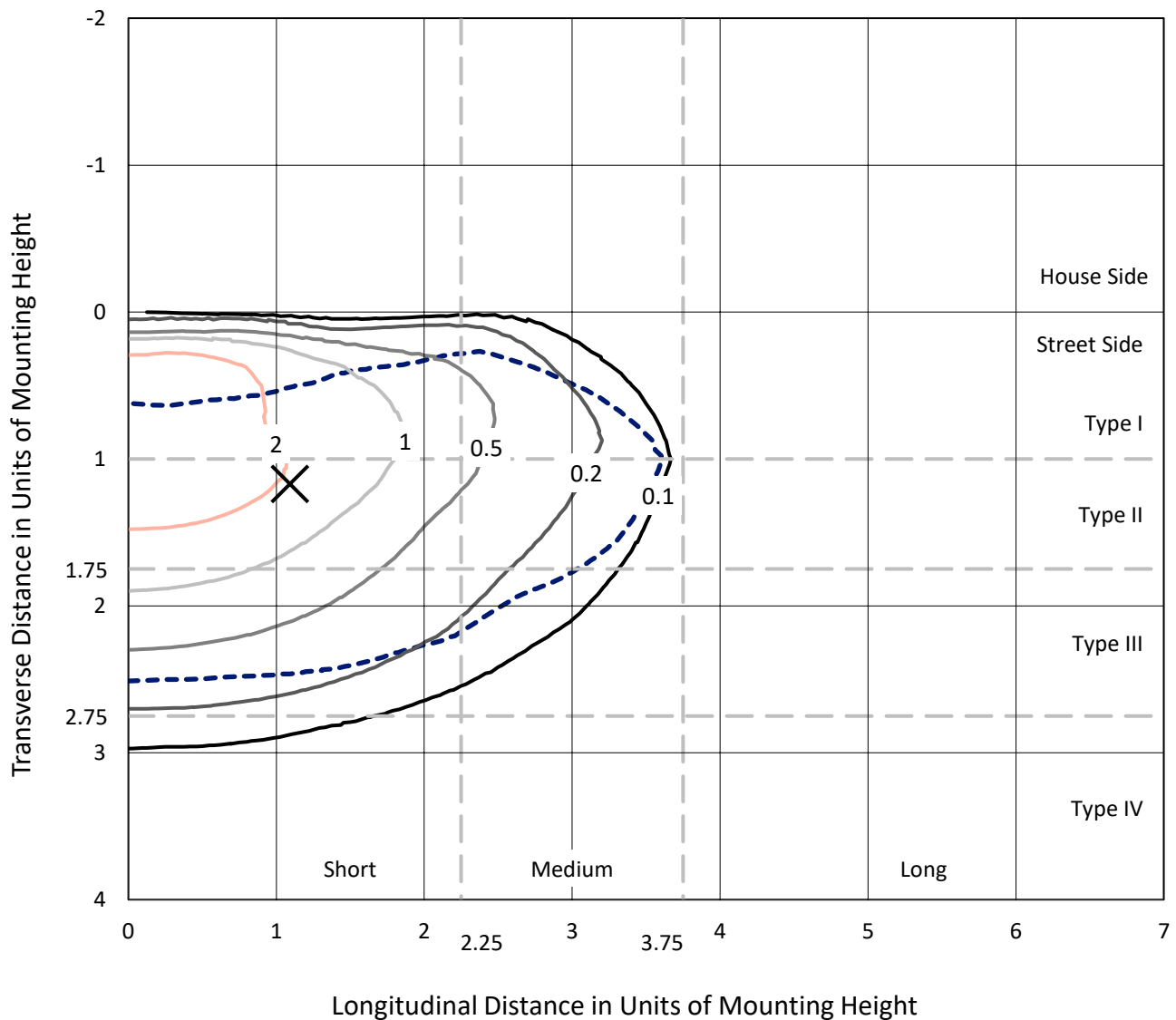
REPORT NUMBER: P1047301

CATALOG NUMBER: GALN-SA1A-830-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

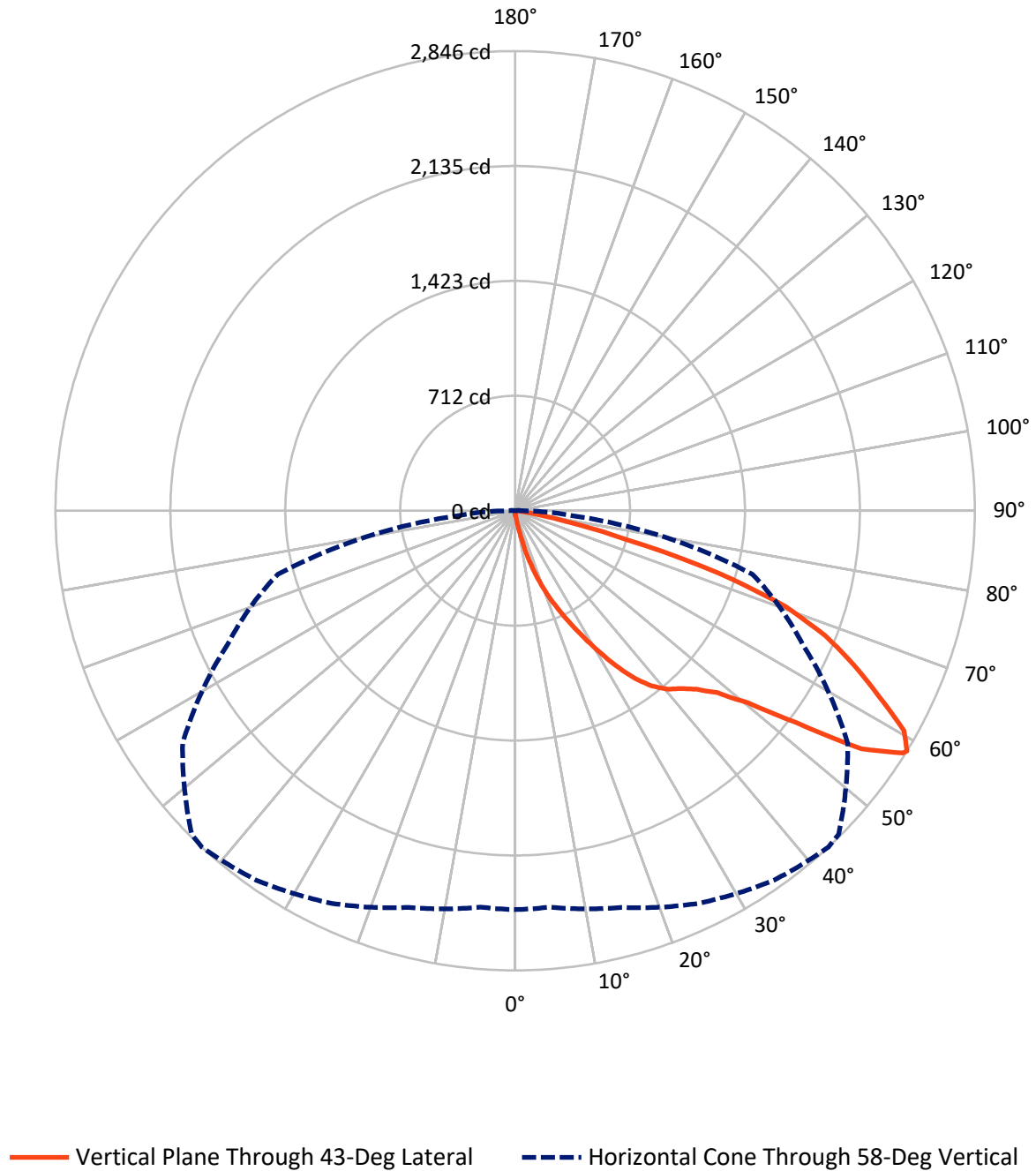


Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

REPORT NUMBER: P1047301

CATALOG NUMBER: GALN-SA1A-830-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1047301

CATALOG NUMBER: GALN-SA1A-830-U-T3BC

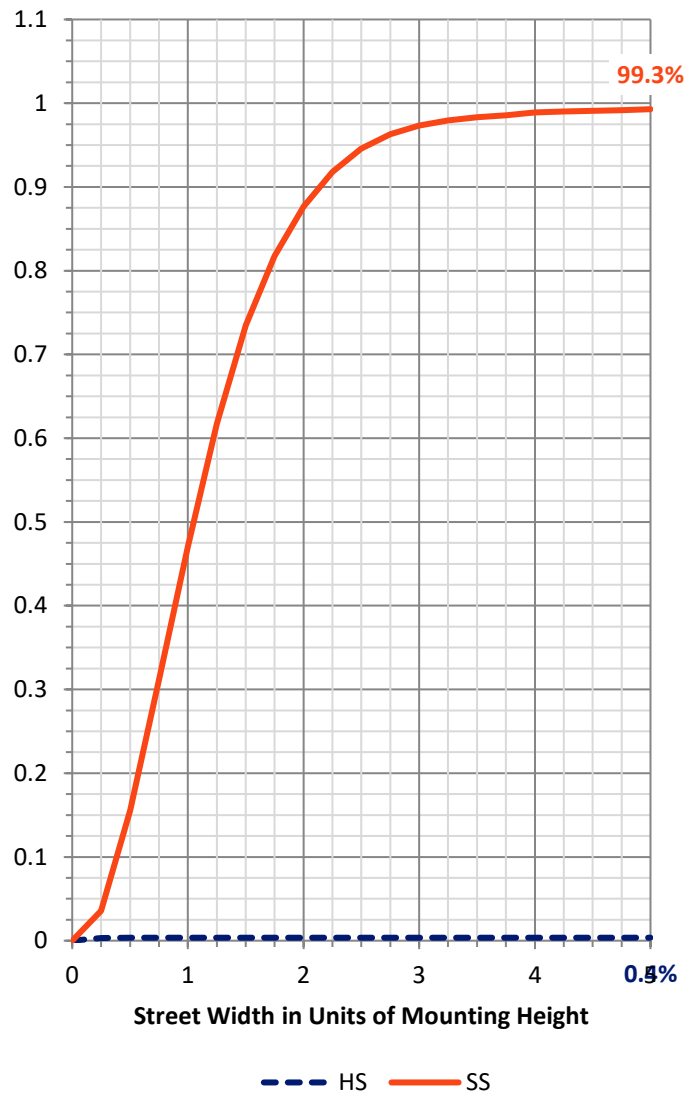
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.6	0.0	12.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3424.5	0.0	3424.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	3437.0	0.0	3437.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	39.5	1.1
20°-30°	142.4	4.1
30°-40°	325.8	9.5
40°-50°	549.5	16.0
50°-60°	906.8	26.4
60°-70°	1013.5	29.5
70°-80°	418.5	12.2
80°-90°	37.7	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°	3437.0	100.0
0°-180°	3437.0	100.0



REPORT NUMBER: P1047301

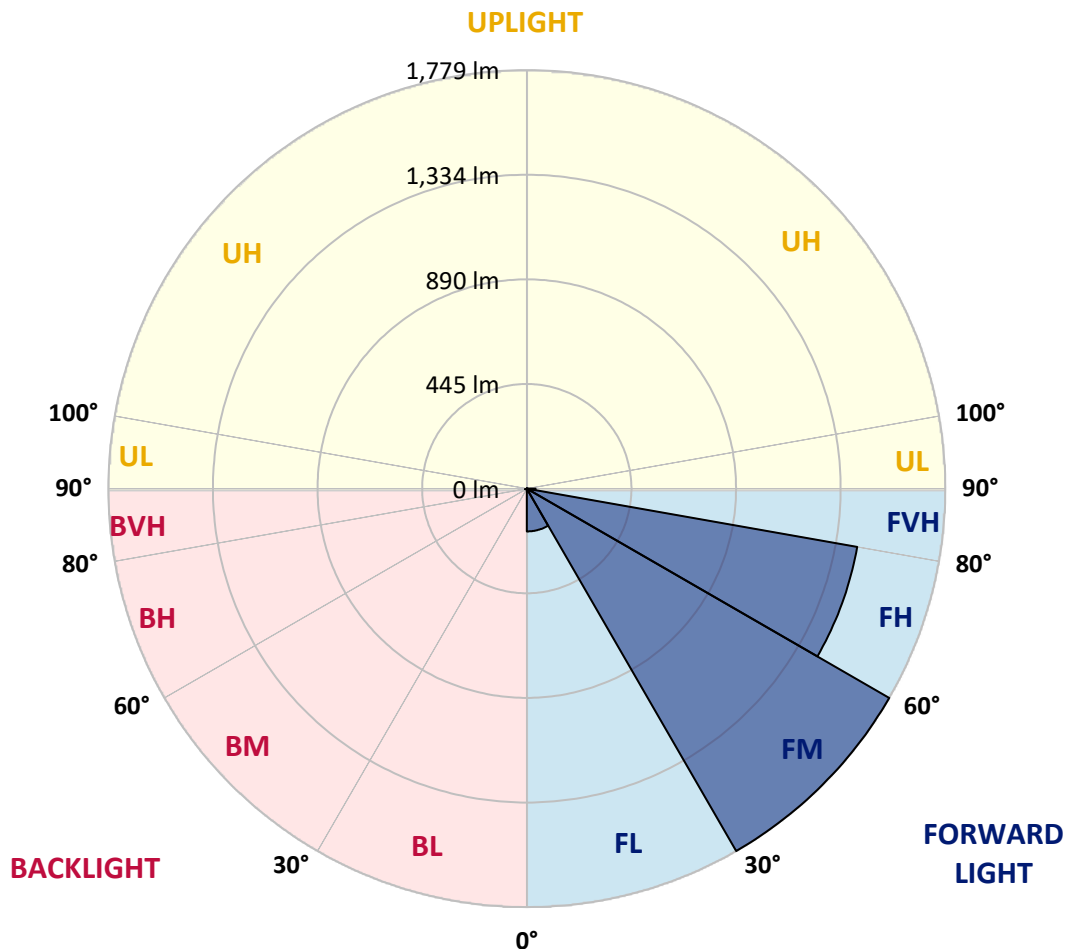
CATALOG NUMBER: GALN-SA1A-830-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.9	5.3			
FM	(30°-60°)	1779.1	51.8			
FH	(60°-80°)	1426.2	41.5			G1/1800
FVH	(80°-90°)	37.2	1.1			G1/100
BL	(0°-30°)	3.3	0.1	B0/110		
BM	(30°-60°)	3.0	0.1	B0/220		
BH	(60°-80°)	5.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type III Short





REPORT NUMBER: P1047301

CATALOG NUMBER: GALN-SA1A-830-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	27.0	27.9	27.0	27.0	27.0	26.1	26.1	25.2	25.2	24.3	23.4
5°	39.6	39.6	36.9	35.1	33.3	32.4	31.5	29.7	27.9	26.1	24.3
7.5°	88.1	88.1	80.0	69.2	54.8	46.7	44.9	36.9	31.5	27.9	24.3
10°	210.3	210.3	192.4	162.7	125.8	93.5	83.6	53.0	37.8	29.7	25.2
12.5°	349.7	354.2	331.7	293.9	239.1	182.5	162.7	97.1	50.3	32.4	25.2
15°	474.6	463.8	457.5	421.6	369.5	302.0	276.9	163.6	72.8	36.9	25.2
17.5°	559.1	559.1	550.1	525.9	478.2	418.9	398.2	264.3	117.8	42.2	26.1
20°	658.0	658.0	641.8	624.7	582.5	532.2	512.4	375.7	182.5	53.9	26.1
22.5°	777.6	779.4	761.4	730.8	690.4	634.6	617.6	479.1	264.3	71.9	27.0
25°	923.2	925.0	898.9	870.2	808.1	747.9	721.8	597.8	364.1	100.7	27.0
27.5°	1084.1	1096.7	1058.0	1008.6	943.0	867.5	847.7	704.8	462.9	142.0	28.8
30°	1284.6	1284.6	1233.3	1164.1	1093.1	999.6	974.4	817.1	568.1	196.9	30.6
32.5°	1457.1	1443.7	1378.0	1305.2	1229.7	1142.5	1115.6	934.9	676.0	265.2	34.2
35°	1589.3	1577.6	1496.7	1418.5	1352.9	1272.9	1240.5	1062.5	790.1	342.5	39.6
37.5°	1702.5	1698.1	1588.4	1490.4	1447.3	1377.1	1348.4	1183.0	902.5	426.1	45.8
40°	1826.6	1812.2	1695.4	1574.0	1509.3	1452.7	1426.6	1280.1	1010.4	524.1	54.8
42.5°	1932.7	1915.6	1810.4	1691.8	1581.2	1504.8	1479.6	1361.9	1115.6	622.1	66.5
45°	2050.4	2041.4	1935.4	1845.5	1698.1	1575.8	1542.5	1427.5	1211.7	738.9	81.8
47.5°	2227.5	2211.3	2112.5	2038.7	1868.0	1683.7	1636.0	1494.9	1304.3	854.0	105.2
50°	2433.4	2422.6	2364.2	2305.7	2135.8	1868.0	1811.3	1592.0	1407.7	990.6	135.7
52.5°	2601.5	2599.7	2606.9	2607.8	2479.2	2178.1	2093.6	1748.4	1526.4	1125.4	178.9
55°	2597.9	2606.0	2685.1	2775.9	2785.7	2601.5	2519.7	2011.8	1681.0	1291.7	239.1
57.5°	2500.8	2494.5	2578.1	2714.7	2810.9	2830.7	2817.2	2420.8	1913.8	1492.2	331.7
58°	2469.3	2463.9	2543.0	2682.4	2792.9	2846.0	2832.5	2513.4	1965.9	1521.0	356.9
60°	2355.2	2356.1	2402.8	2529.6	2640.1	2766.0	2778.6	2777.7	2225.7	1713.3	483.6
62.5°	2204.1	2197.0	2240.1	2343.5	2440.6	2525.1	2546.6	2795.6	2606.0	1957.8	725.4
65°	1995.6	1984.8	2030.7	2147.5	2251.8	2306.6	2307.5	2554.7	2784.8	2220.3	1070.6
67.5°	1608.2	1599.2	1690.9	1841.0	2001.9	2073.8	2106.2	2216.7	2633.8	2398.3	1268.4
70°	985.2	1004.1	1131.7	1367.3	1642.3	1774.5	1823.0	1857.2	2242.8	2371.3	1060.7
72.5°	454.9	432.4	541.1	705.7	1019.4	1313.3	1363.7	1497.6	1778.1	2058.5	791.0
75°	212.1	204.1	229.2	308.3	462.0	709.2	800.9	1195.6	1363.7	1432.0	570.8
77.5°	108.8	109.7	130.3	140.2	190.6	328.1	376.6	786.6	999.6	799.1	382.9
80°	47.6	49.4	50.3	54.8	77.3	126.7	142.9	365.0	683.2	407.2	209.4
82.5°	30.6	31.5	31.5	31.5	36.9	50.3	57.5	146.5	340.7	202.3	64.7
85°	16.2	16.2	18.0	22.5	26.1	30.6	32.4	46.7	112.4	60.2	15.3
87.5°	9.0	9.9	10.8	13.5	17.1	20.7	22.5	32.4	43.1	41.4	3.6
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: P1047301

CATALOG NUMBER: GALN-SA1A-830-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	23.4	22.5	21.6	20.7	19.8	18.9	18.9	18.9	18.9	18.9	18.9
5°	22.5	21.6	20.7	18.9	17.1	16.2	15.3	14.4	14.4	14.4	14.4
7.5°	22.5	21.6	18.9	17.1	15.3	13.5	11.7	11.7	11.7	11.7	11.7
10°	22.5	20.7	18.0	15.3	12.6	10.8	9.9	9.0	9.0	9.0	9.0
12.5°	22.5	19.8	17.1	13.5	10.8	9.0	8.1	7.2	7.2	7.2	7.2
15°	22.5	19.8	16.2	12.6	9.9	7.2	6.3	5.4	5.4	5.4	5.4
17.5°	21.6	18.9	15.3	10.8	8.1	5.4	4.5	3.6	3.6	4.5	4.5
20°	20.7	18.0	13.5	9.0	6.3	4.5	2.7	2.7	2.7	2.7	2.7
22.5°	20.7	18.0	12.6	8.1	5.4	2.7	1.8	1.8	1.8	1.8	2.7
25°	20.7	17.1	10.8	6.3	3.6	1.8	0.9	0.9	0.9	0.9	0.9
27.5°	20.7	17.1	9.9	5.4	2.7	1.8	0.9	0.0	0.0	0.0	0.0
30°	19.8	16.2	9.0	4.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0
32.5°	19.8	15.3	7.2	3.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0
35°	20.7	14.4	6.3	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.9
37.5°	21.6	13.5	5.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	22.5	12.6	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	24.3	12.6	4.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	26.1	12.6	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	29.7	13.5	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	32.4	14.4	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	36.0	13.5	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	40.5	13.5	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	44.0	12.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	45.8	11.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	54.8	10.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	85.4	9.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	173.5	8.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	323.6	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	362.3	8.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	228.3	6.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	120.5	6.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	60.2	6.3	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	27.9	4.5	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.7	2.7	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.4	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.9	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

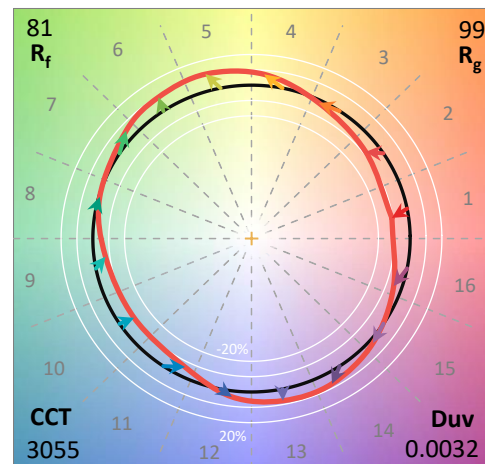
Test Information

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

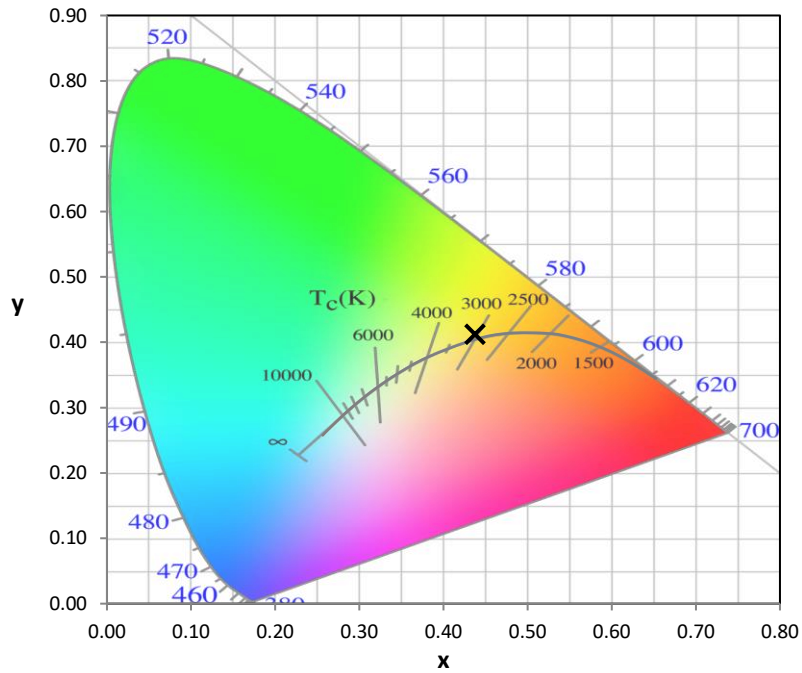
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

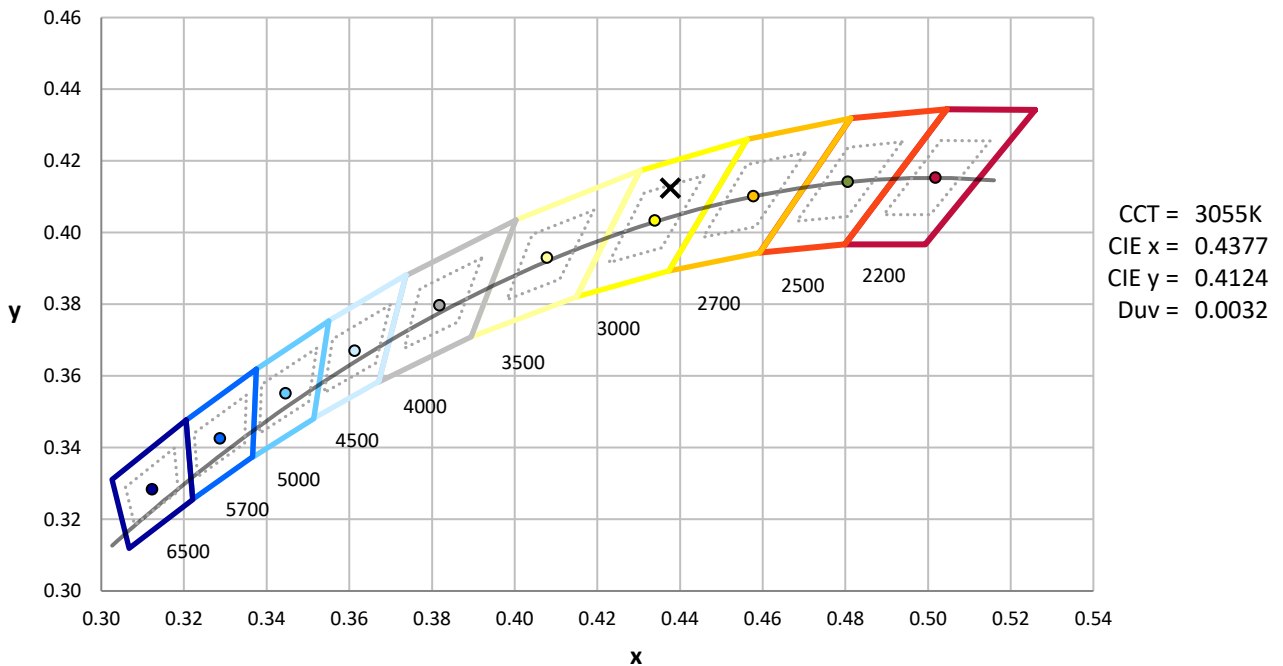
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



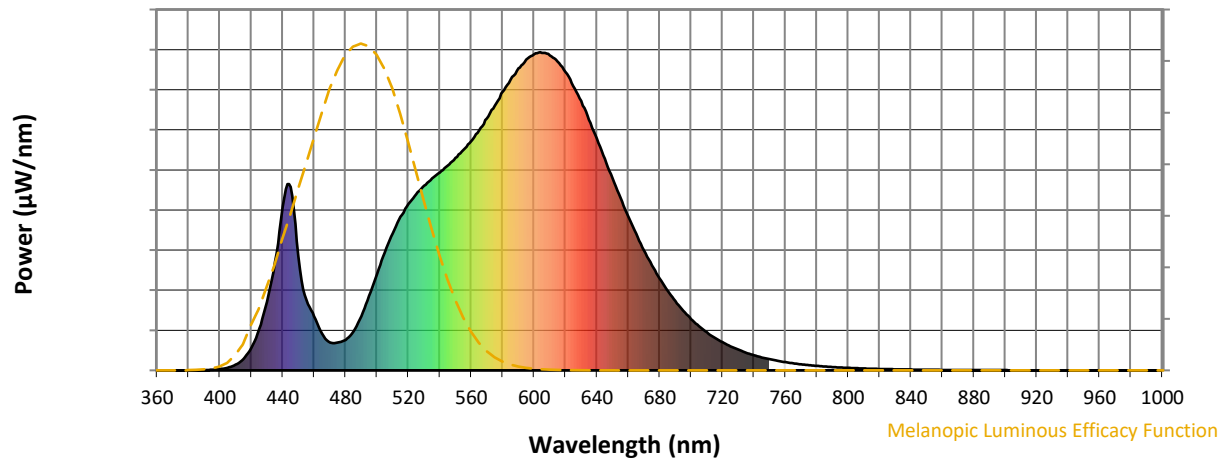
Scotopic Lumens: NR

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

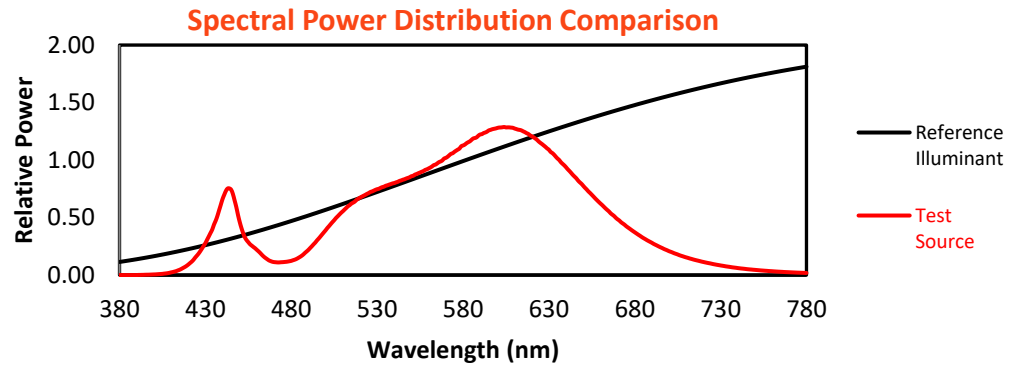
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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

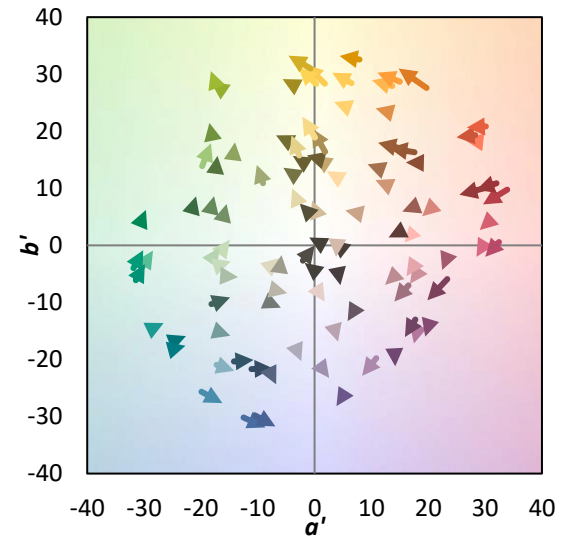
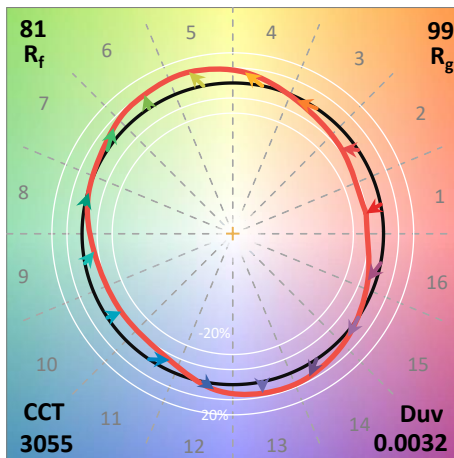
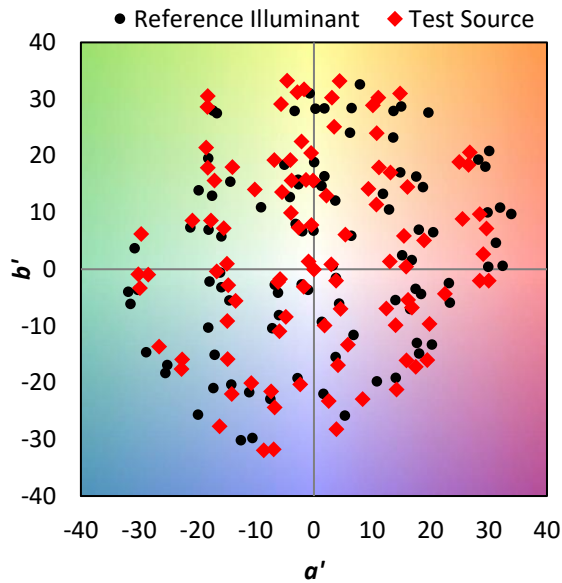
TM-30-18

Summary

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



Color Vector Graphics

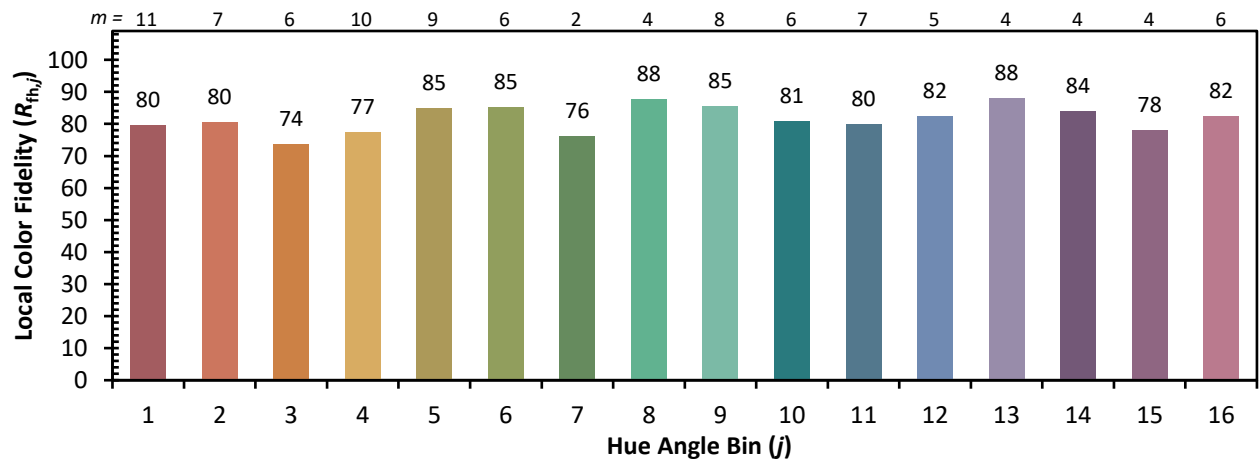
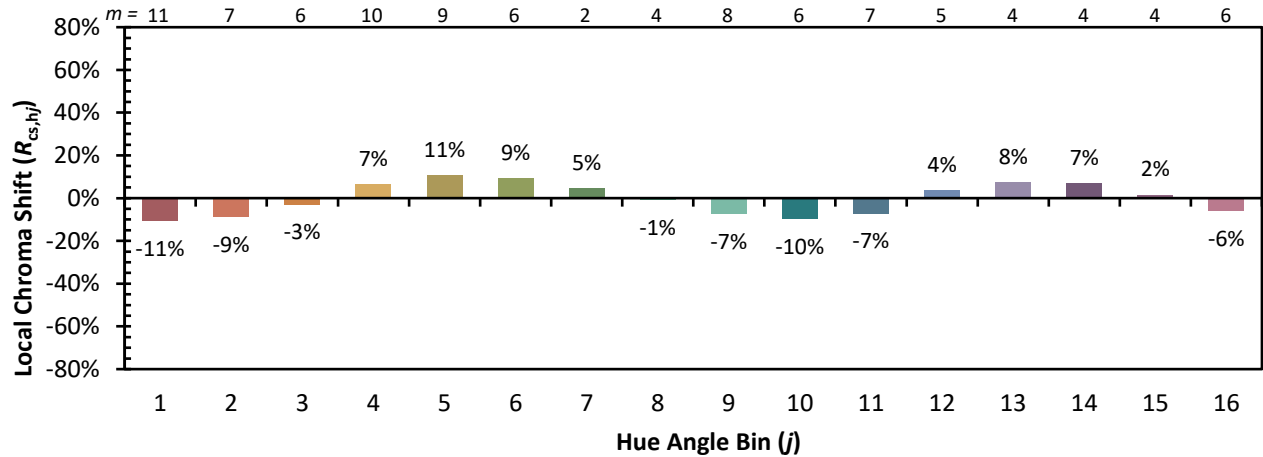


Individual Sample Fidelity Index ($R_{f,i}$)

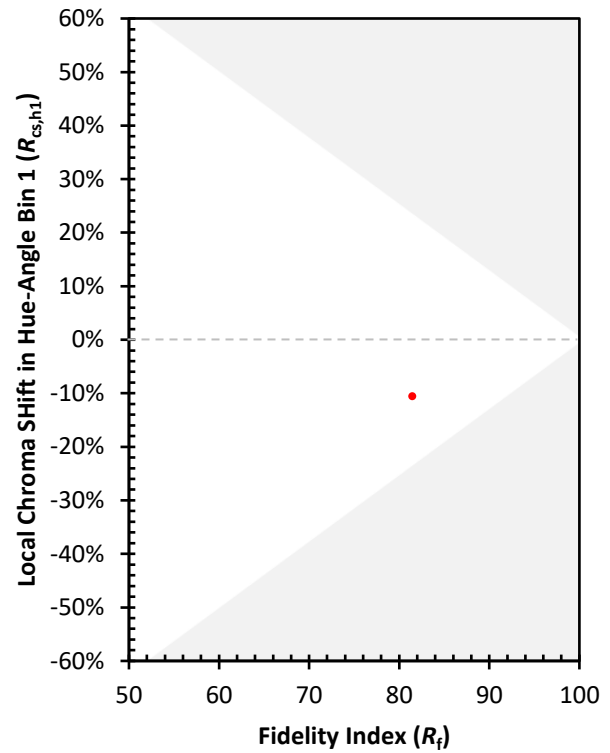
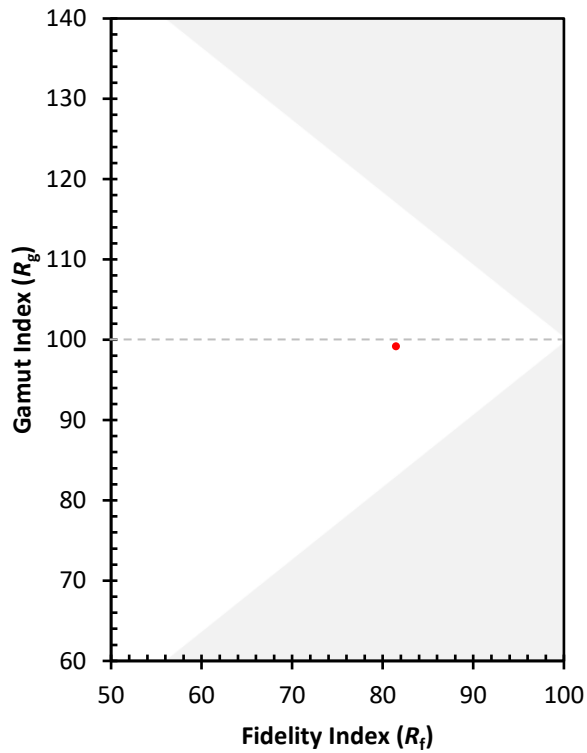
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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