

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: P1048525

Luminaire Tested: **GALN-SA1A-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048525
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-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3323.6 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

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

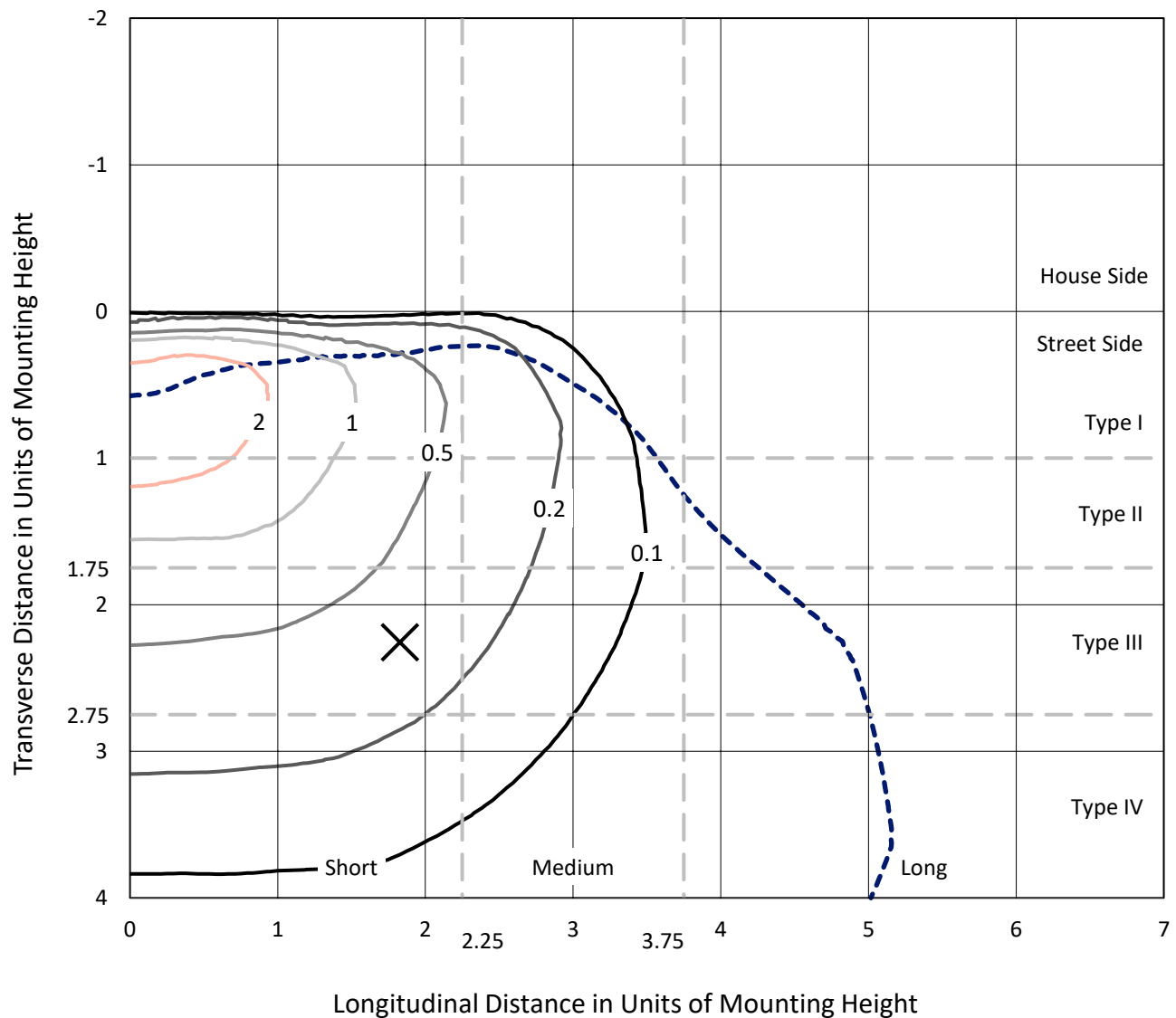


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CATALOG NUMBER: GALN-SA1A-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

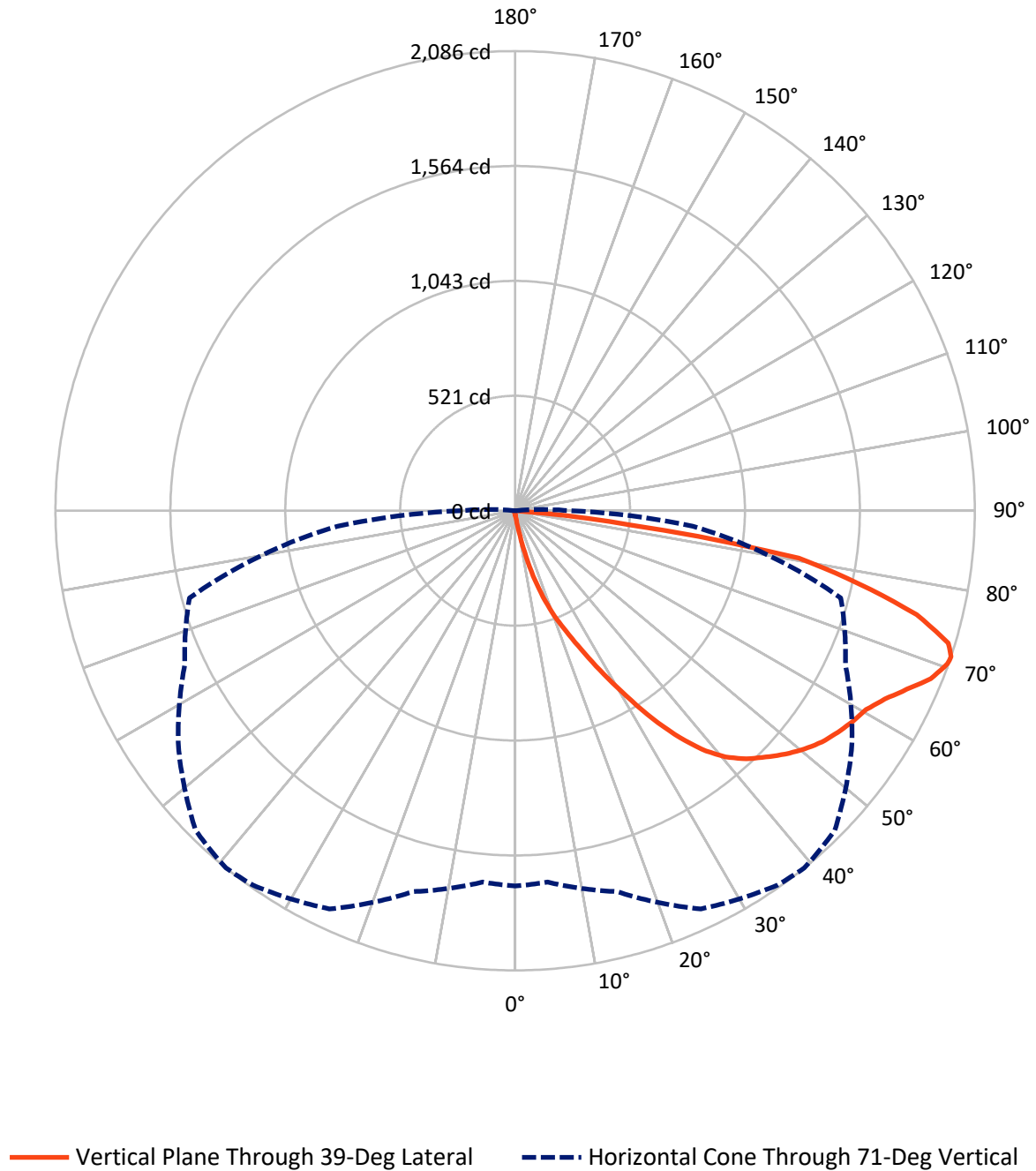


Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GALN-SA1A-830-U-T4BC

Luminous Intensity Polar Plot



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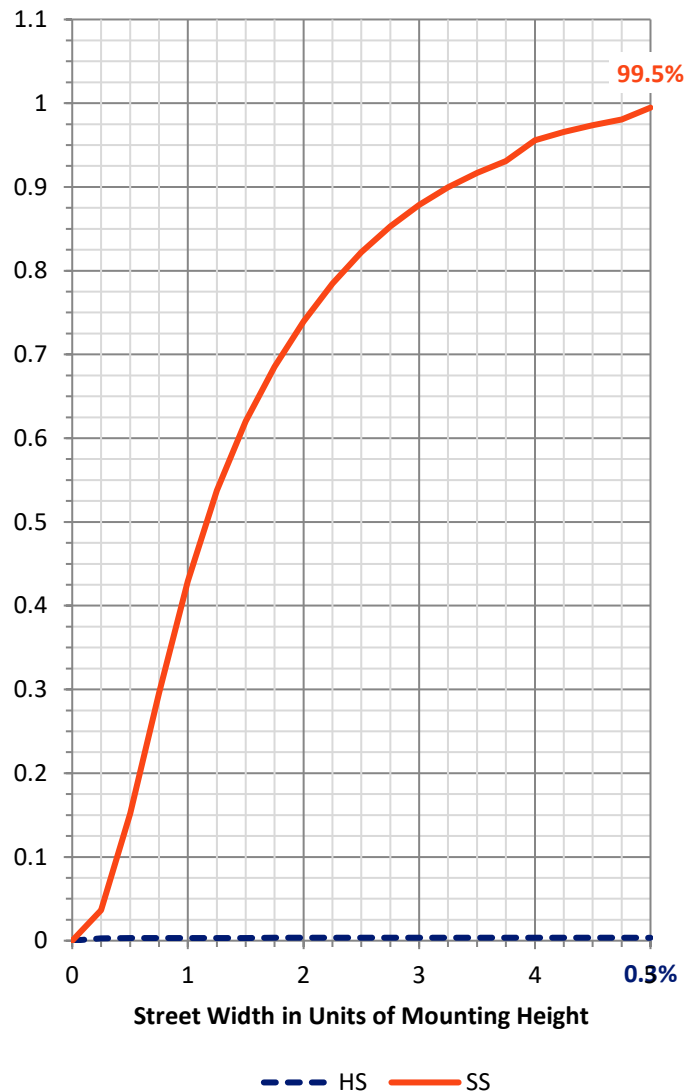
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11.8	0.0	11.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3311.8	0.0	3311.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	3323.6	0.0	3323.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	35.5	1.1
20°-30°	126.5	3.8
30°-40°	304.9	9.2
40°-50°	510.3	15.4
50°-60°	655.4	19.7
60°-70°	829.4	25.0
70°-80°	739.4	22.2
80°-90°	119.5	3.6
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°	3323.6	100.0
0°-180°	3323.6	100.0



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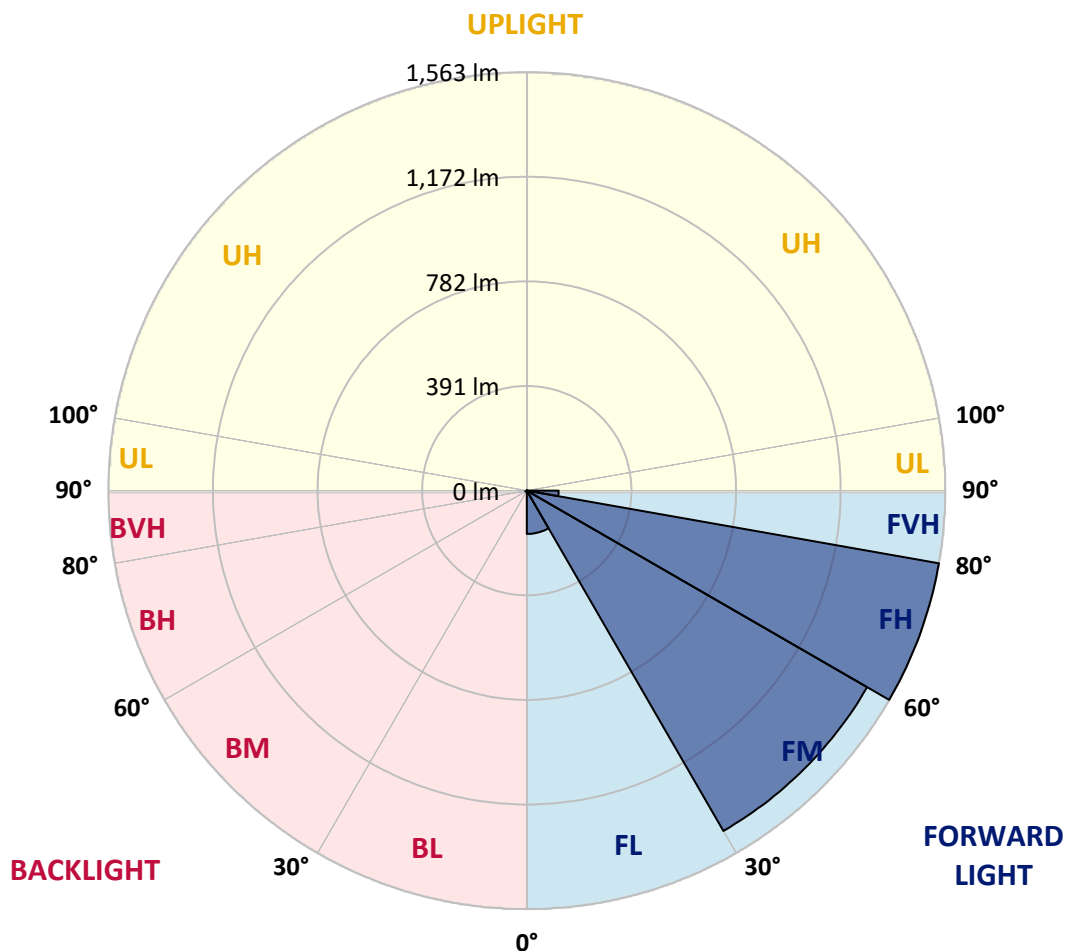
CATALOG NUMBER: GALN-SA1A-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.9	4.9			
FM	(30°-60°)	1467.8	44.2			
FH	(60°-80°)	1563.1	47.0			G1/1800
FVH	(80°-90°)	119.0	3.6			G2/225
BL	(0°-30°)	2.9	0.1	B0/110		
BM	(30°-60°)	2.7	0.1	B0/220		
BH	(60°-80°)	5.7	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-G2

Type IV Short



REPORT NUMBER: P1048525

CATALOG NUMBER: GALN-SA1A-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
2.5°	20.9	20.9	20.9	20.2	20.2	20.0	19.8	19.8	19.3	19.1	18.7
5°	31.7	31.0	29.5	28.6	26.8	25.6	24.5	22.9	21.4	20.2	18.9
7.5°	71.8	73.3	68.2	58.5	48.6	44.3	37.1	29.9	24.7	21.4	19.1
10°	182.9	182.0	164.5	145.1	112.0	98.8	77.4	48.8	31.9	23.4	19.3
12.5°	311.2	310.3	289.6	263.2	219.6	191.9	151.4	91.1	45.9	26.5	19.3
15°	418.9	415.3	408.8	382.7	331.6	308.5	254.9	161.1	74.2	31.9	19.8
17.5°	490.3	487.1	481.0	471.6	439.2	411.7	368.8	253.1	120.1	41.4	20.7
20°	555.7	553.5	548.5	546.7	525.8	511.2	475.6	358.9	187.2	56.2	22.0
22.5°	645.7	641.0	643.0	632.2	611.8	594.2	572.4	469.6	269.1	81.0	24.5
25°	756.0	753.7	748.1	740.5	712.1	696.8	663.3	574.0	360.7	113.4	27.2
27.5°	889.2	886.7	885.3	867.8	835.2	818.5	771.7	672.5	463.7	158.8	30.8
30°	1042.6	1043.7	1035.0	1012.5	974.4	951.0	902.9	775.8	569.2	212.2	34.6
32.5°	1201.5	1199.2	1185.7	1159.2	1125.2	1103.4	1042.2	888.9	679.9	282.6	39.1
35°	1372.7	1368.4	1332.9	1302.5	1273.5	1246.0	1190.2	1020.3	790.6	361.6	45.2
37.5°	1545.5	1525.4	1454.1	1415.7	1395.6	1373.1	1321.2	1160.5	900.6	449.8	52.6
40°	1676.0	1660.4	1575.8	1505.0	1489.0	1469.9	1431.2	1281.6	1017.6	544.5	61.6
42.5°	1748.2	1739.6	1663.6	1593.6	1556.0	1539.2	1506.1	1387.3	1133.3	649.1	74.7
45°	1779.0	1765.7	1714.9	1682.3	1622.4	1594.5	1555.1	1467.2	1254.1	767.9	92.9
47.5°	1769.6	1761.9	1725.5	1737.4	1694.0	1650.5	1592.7	1528.4	1357.4	904.2	117.9
50°	1710.2	1703.6	1692.4	1757.0	1751.6	1700.3	1641.3	1576.7	1441.8	1044.9	156.6
52.5°	1597.2	1594.5	1623.3	1741.7	1784.2	1744.1	1688.1	1619.5	1520.5	1191.8	211.9
55°	1451.7	1462.7	1545.0	1717.8	1800.8	1776.5	1729.5	1659.5	1583.7	1323.2	293.6
57.5°	1391.8	1394.7	1497.6	1700.9	1808.3	1805.1	1769.8	1697.8	1641.8	1428.3	418.3
60°	1461.8	1457.3	1511.5	1713.8	1823.1	1830.8	1805.6	1733.3	1692.2	1518.5	584.3
62.5°	1588.2	1585.7	1603.1	1768.4	1866.5	1882.1	1855.3	1759.0	1736.7	1577.9	773.7
65°	1701.2	1696.0	1728.2	1865.4	1942.8	1953.8	1930.4	1802.9	1756.3	1621.1	951.7
67.5°	1750.0	1748.9	1800.6	1957.7	2022.9	2034.8	2014.4	1863.4	1751.8	1634.8	1030.2
70°	1727.7	1723.4	1806.2	1996.8	2068.1	2081.6	2061.8	1885.9	1703.0	1591.4	913.9
71°	1703.2	1691.7	1789.4	1994.1	2074.4	2085.9	2051.3	1865.4	1653.9	1529.7	808.4
72.5°	1627.1	1629.2	1743.0	1966.0	2059.4	2056.0	1991.4	1792.1	1594.7	1389.8	649.3
75°	1440.0	1451.9	1592.9	1847.9	1924.8	1881.8	1783.1	1651.9	1476.0	996.5	450.9
77.5°	1176.7	1194.5	1349.5	1620.6	1598.8	1594.5	1590.5	1455.5	1260.4	535.3	313.6
80°	561.8	600.3	814.0	1156.9	1256.8	1305.2	1274.8	1172.9	974.7	254.9	187.4
82.5°	36.7	36.2	51.3	97.2	409.7	529.6	841.5	838.3	679.5	124.2	76.5
85°	17.3	17.8	19.6	22.3	25.9	28.3	39.1	229.5	325.1	59.2	16.6
87.5°	10.1	10.3	12.1	15.5	20.2	22.5	26.8	34.4	42.3	32.6	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: P1048525

CATALOG NUMBER: GALN-SA1A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
2.5°	18.4	18.2	17.5	16.9	16.2	15.7	15.5	15.7	15.7	16.0	16.0
5°	18.4	17.8	16.6	15.3	14.4	13.5	13.0	12.8	13.0	13.0	13.0
7.5°	18.2	17.1	15.5	13.9	12.8	11.7	11.2	11.0	11.0	11.2	11.2
10°	17.8	16.6	14.6	12.8	11.5	10.1	9.4	8.8	8.8	8.8	9.0
12.5°	17.5	16.0	13.5	11.7	9.9	8.3	7.0	6.3	6.5	6.5	6.5
15°	17.1	15.3	12.8	10.6	8.3	6.3	5.2	4.5	4.7	4.9	4.7
17.5°	17.1	15.1	11.9	9.2	6.5	4.7	3.8	3.4	3.4	3.6	3.6
20°	17.1	14.6	11.2	7.9	4.9	3.6	2.7	2.5	2.5	2.9	3.1
22.5°	17.5	14.6	10.3	6.5	4.0	2.7	2.0	1.8	2.0	2.5	2.7
25°	18.2	14.4	9.4	5.8	3.4	2.0	1.6	1.1	1.3	1.8	2.0
27.5°	18.9	14.2	8.5	5.2	2.7	1.6	1.1	0.9	0.7	0.9	0.9
30°	19.6	14.2	7.6	4.3	2.2	1.1	0.7	0.4	0.2	0.0	0.0
32.5°	20.0	13.7	7.0	3.4	1.8	0.9	0.4	0.2	0.0	0.0	0.0
35°	20.5	13.3	6.1	2.7	1.3	0.7	0.2	0.0	0.0	0.0	0.0
37.5°	20.9	12.6	5.2	2.2	1.1	0.4	0.0	0.0	0.0	0.0	0.0
40°	21.4	11.7	4.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	21.8	11.0	3.6	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	22.9	10.6	2.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	25.0	10.1	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	27.9	9.7	2.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	31.9	9.4	2.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	39.1	9.2	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	51.5	9.0	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	79.0	8.5	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	141.1	8.3	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	245.9	8.5	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	352.6	9.0	1.6	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	301.7	7.9	1.6	0.9	0.4	0.2	0.0	0.0	0.0	0.0	0.0
71°	245.9	7.0	1.6	0.9	0.4	0.2	0.2	0.0	0.0	0.0	0.0
72.5°	158.2	5.4	1.3	0.9	0.4	0.4	0.2	0.0	0.0	0.0	0.0
75°	66.8	4.5	1.3	0.9	0.7	0.4	0.4	0.2	0.0	0.0	0.0
77.5°	28.6	3.4	1.3	1.1	0.9	0.7	0.7	0.4	0.2	0.0	0.0
80°	10.8	2.7	1.6	1.3	1.1	1.1	0.9	0.4	0.2	0.0	0.0
82.5°	4.9	2.2	1.6	1.3	1.3	1.1	0.9	0.7	0.4	0.0	0.0
85°	3.1	2.0	1.6	1.3	1.3	1.1	1.1	0.7	0.4	0.0	0.0
87.5°	2.5	2.0	1.6	1.6	1.3	1.3	0.9	0.7	0.2	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

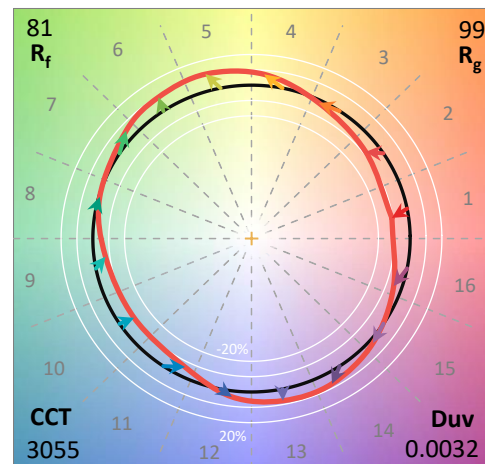
Test Information

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

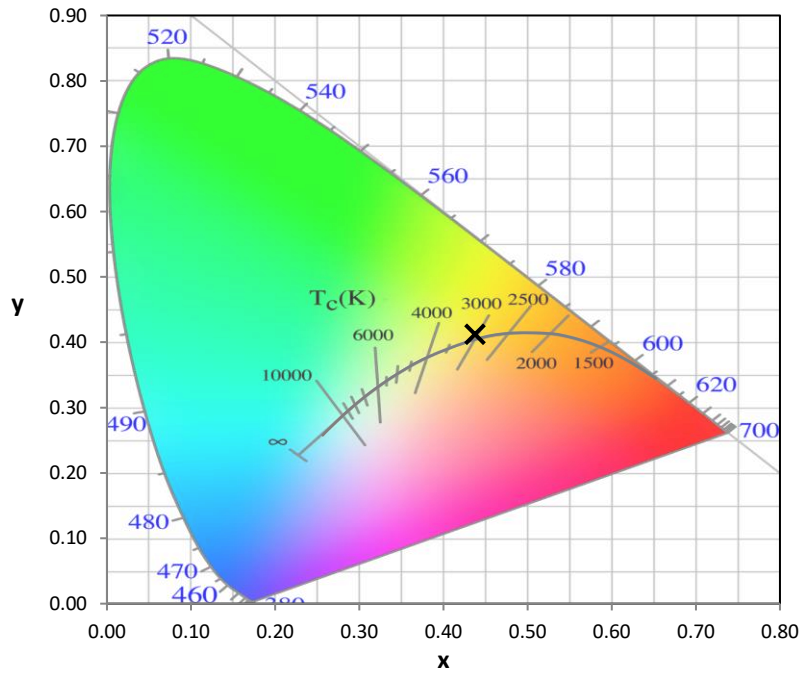
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

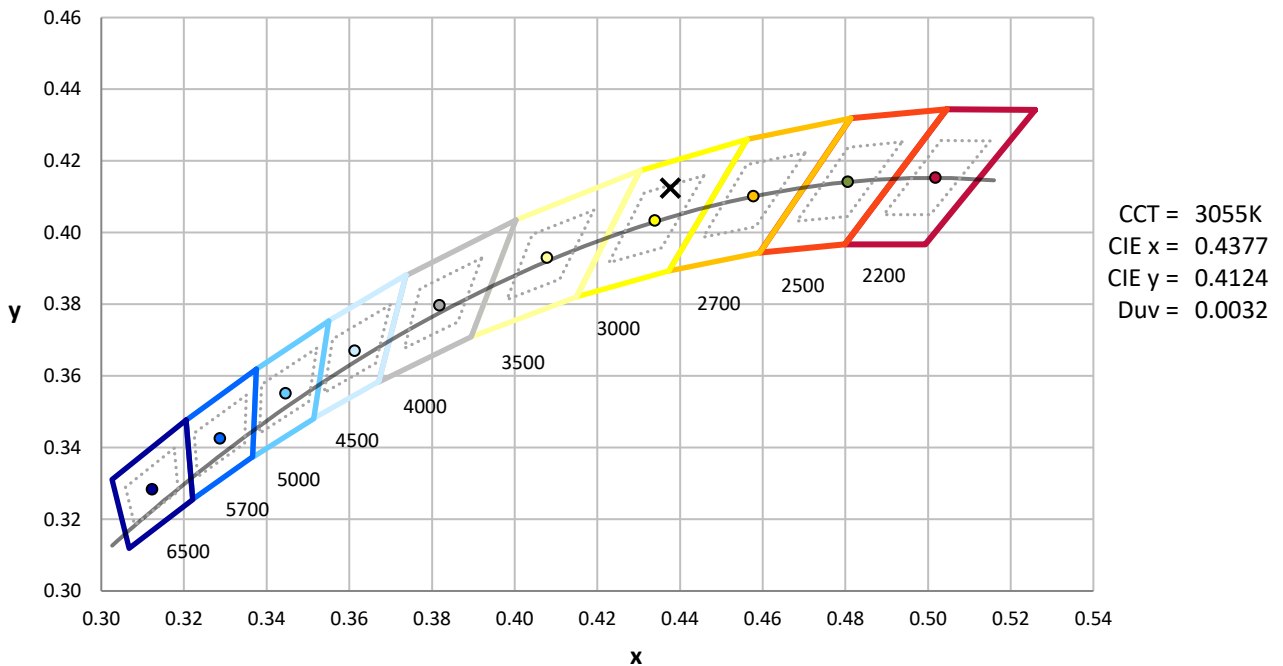
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 $\text{W}^{\wedge}/\text{nm}$	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

Scotopic Flux vs. Wavelength



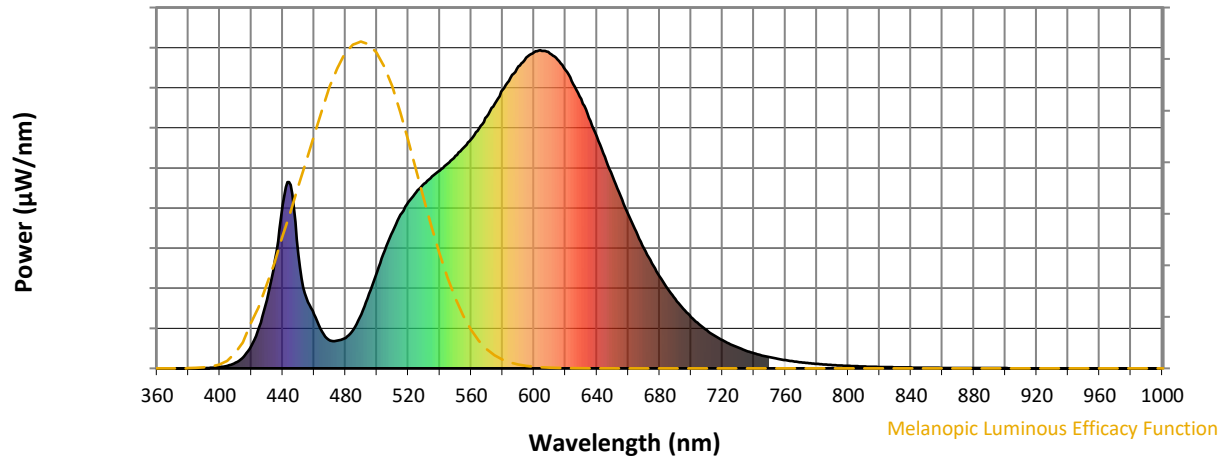
Scotopic Lumens: NR

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

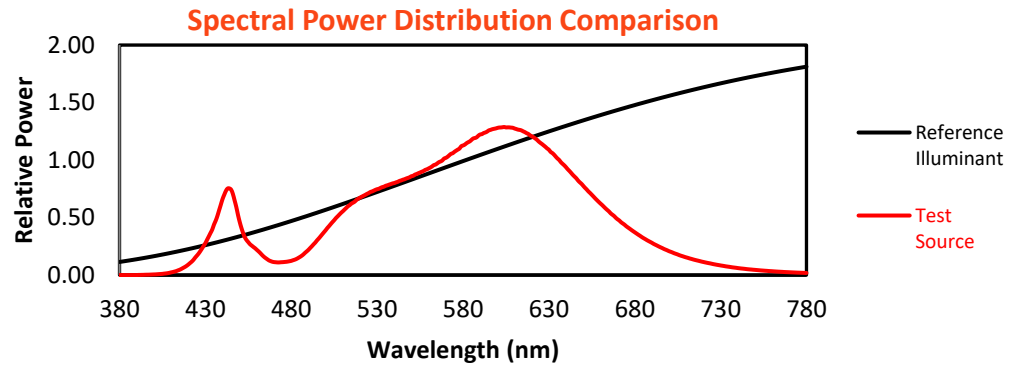
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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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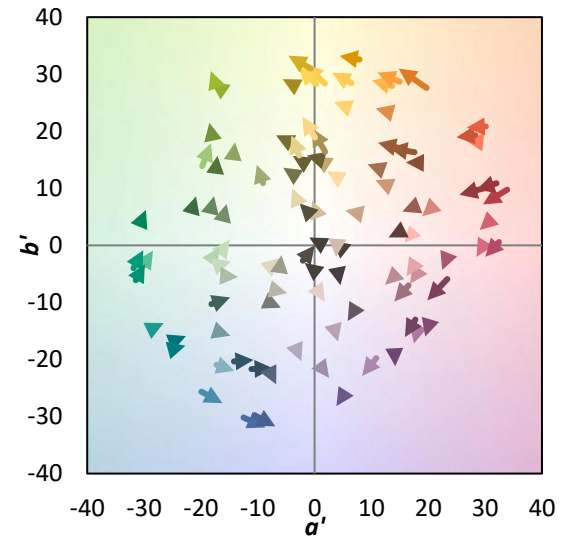
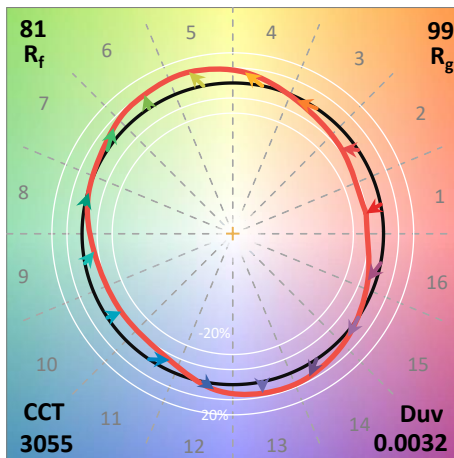
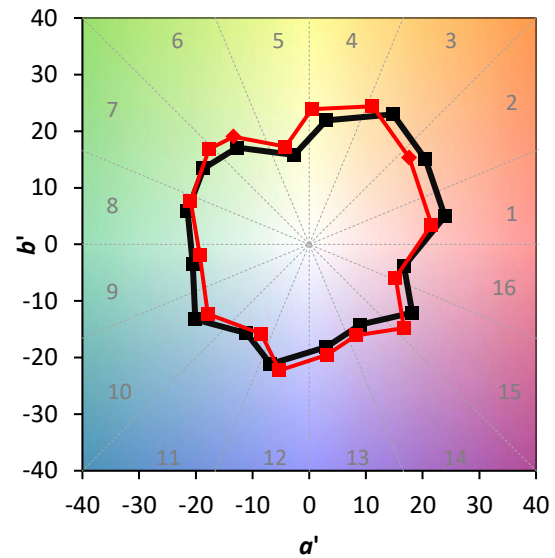
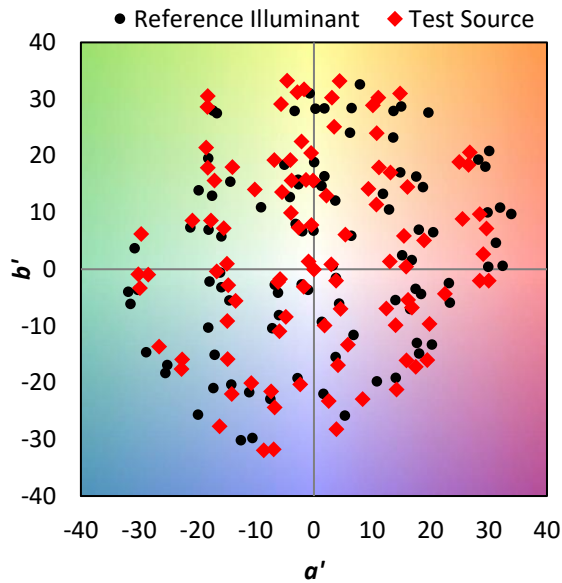
TM-30-18

Summary

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



Color Vector Graphics

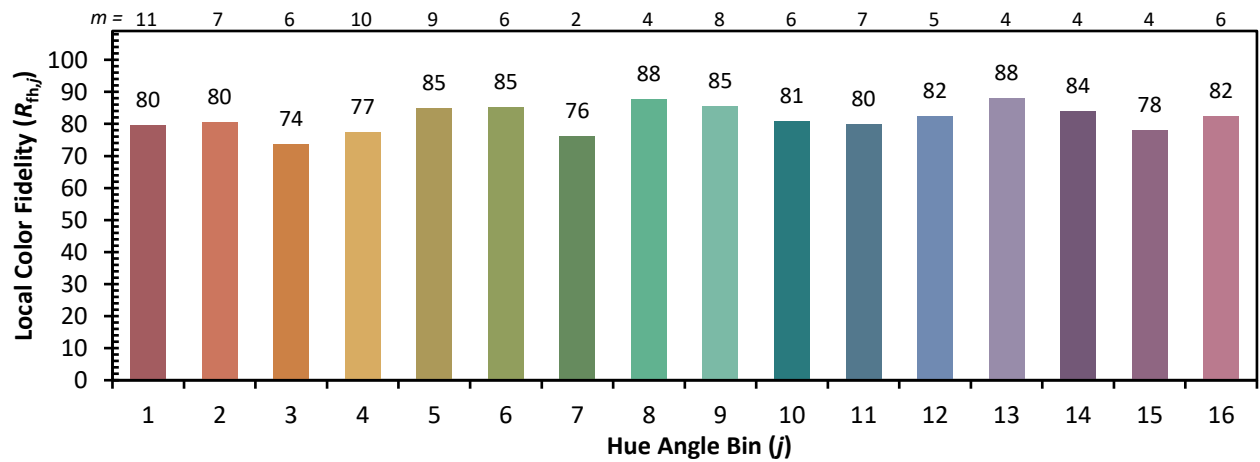
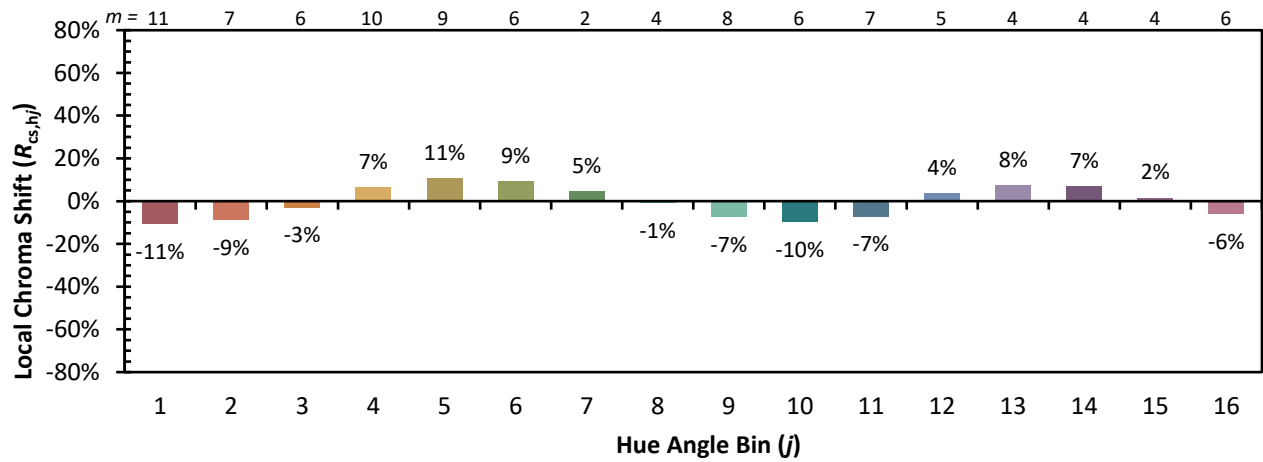


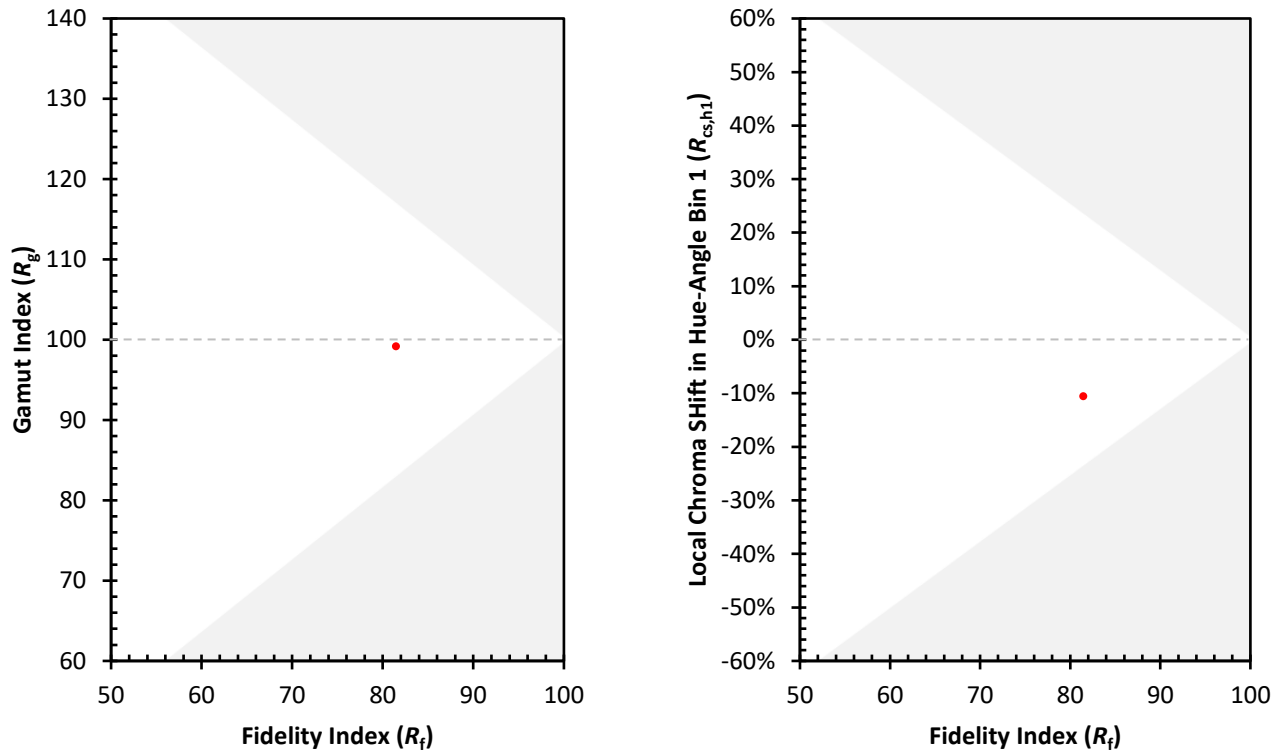
Individual Sample Fidelity Index ($R_{f,i}$)

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)