

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: P1048541

Luminaire Tested: **GALN-SA5A-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048541
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16205.4 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 136.6
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

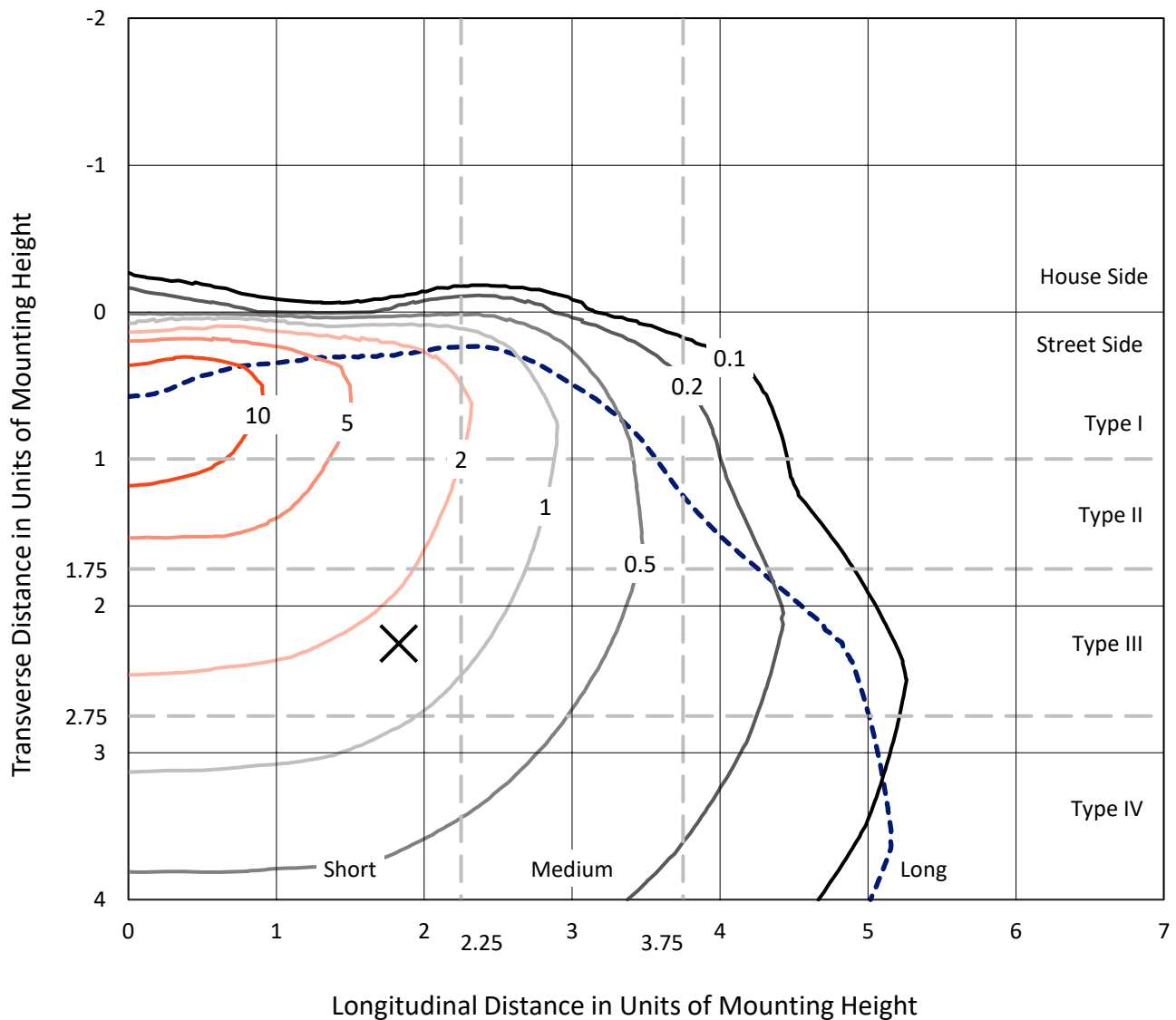


REPORT NUMBER: P1048541

CATALOG NUMBER: GALN-SA5A-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

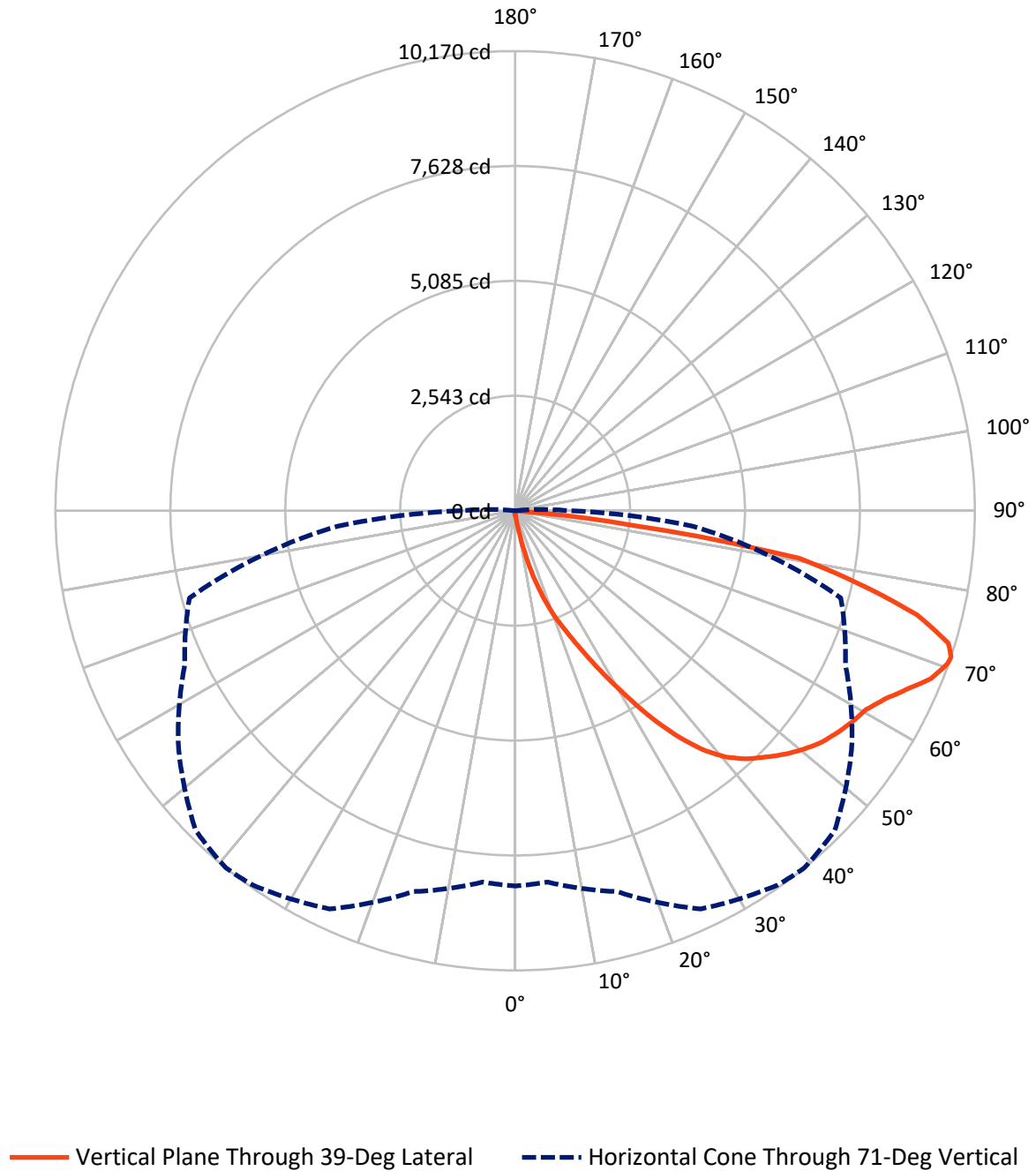


Based on 15 foot mounting height. Maximum calculated value = 16.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1048541

CATALOG NUMBER: GALN-SA5A-830-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048541

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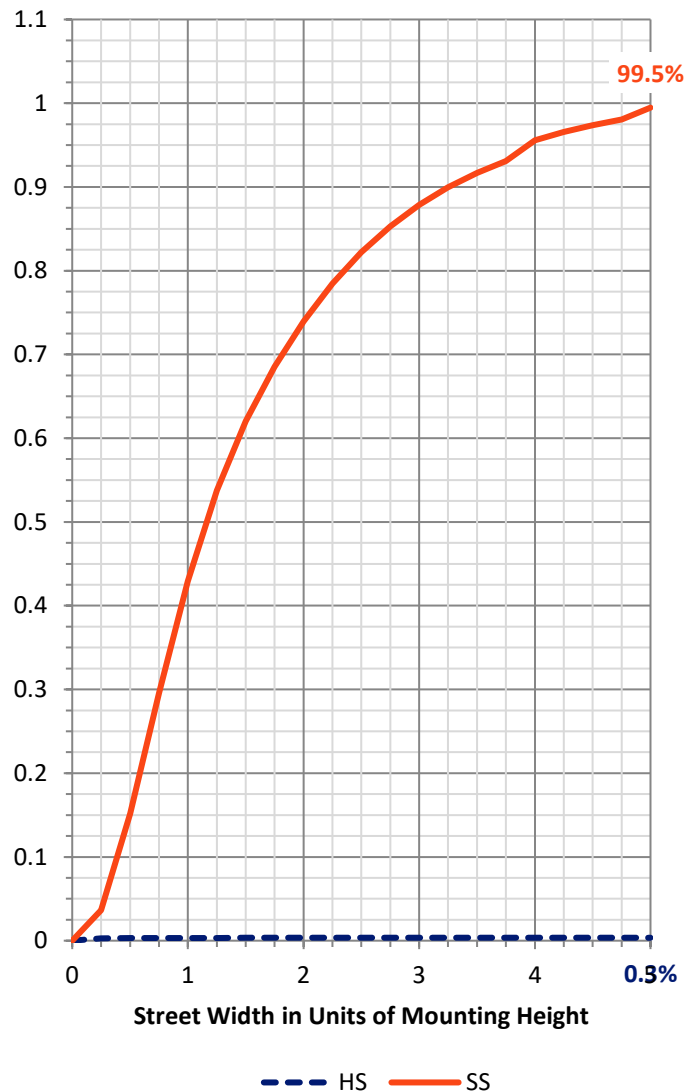
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.6	0.0	57.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16147.8	0.0	16147.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	16205.4	0.0	16205.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.1
10°-20°	173.2	1.1
20°-30°	616.8	3.8
30°-40°	1486.6	9.2
40°-50°	2487.9	15.4
50°-60°	3195.4	19.7
60°-70°	4043.8	25.0
70°-80°	3605.2	22.2
80°-90°	582.8	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°	16205.4	100.0
0°-180°	16205.4	100.0



REPORT NUMBER: P1048541

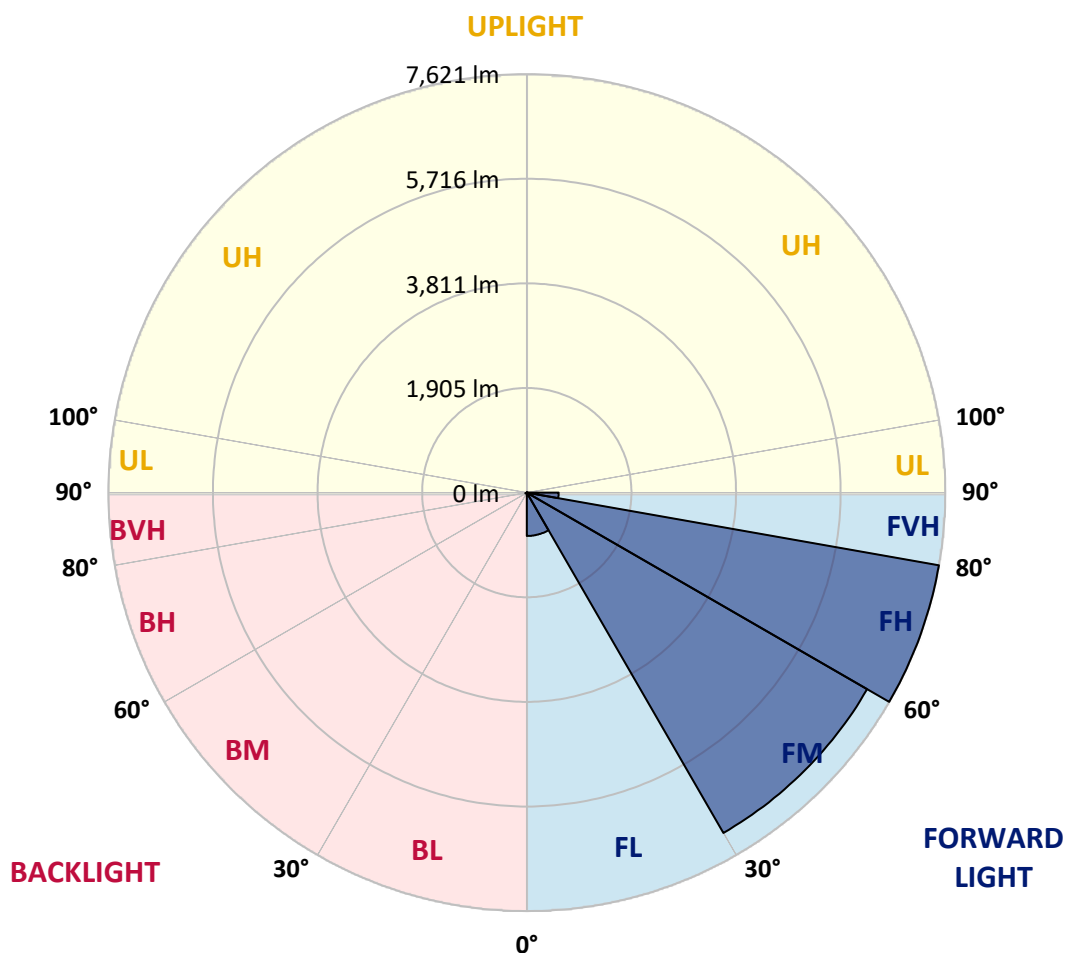
CATALOG NUMBER: GALN-SA5A-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	789.6	4.9			
FM	(30°-60°)	7156.6	44.2			
FH	(60°-80°)	7621.4	47.0			G4/12000
FVH	(80°-90°)	580.1	3.6			G4/750
BL	(0°-30°)	13.9	0.1	B0/110		
BM	(30°-60°)	13.3	0.1	B0/220		
BH	(60°-80°)	27.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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 IV Short



REPORT NUMBER: P1048541

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2.5°	102.0	102.0	102.0	98.7	98.7	97.6	96.5	96.5	94.3	93.2	91.1
5°	154.7	151.4	143.7	139.3	130.5	125.1	119.6	111.9	104.2	98.7	92.1
7.5°	349.9	357.6	332.4	285.2	237.0	216.1	181.0	145.9	120.7	104.2	93.2
10°	891.9	887.5	801.9	707.6	546.3	481.6	377.4	238.1	155.8	114.1	94.3
12.5°	1517.2	1512.8	1411.9	1283.5	1070.7	935.8	738.3	444.3	223.8	129.4	94.3
15°	2042.6	2025.1	1993.3	1866.0	1617.0	1504.0	1242.9	785.5	362.0	155.8	96.5
17.5°	2390.4	2375.0	2345.4	2299.3	2141.4	2007.5	1798.0	1234.1	585.8	201.9	100.9
20°	2709.6	2698.7	2674.5	2665.7	2563.7	2492.4	2319.1	1749.7	912.7	274.3	107.5
22.5°	3148.4	3125.4	3135.3	3082.6	2982.8	2897.2	2790.8	2289.5	1312.0	394.9	119.6
25°	3686.0	3675.0	3647.6	3610.3	3472.1	3397.5	3234.0	2798.5	1758.5	552.9	132.7
27.5°	4335.4	4323.3	4316.8	4231.2	4072.1	3990.9	3762.8	3279.0	2260.9	774.5	150.3
30°	5083.6	5089.1	5046.3	4936.6	4751.2	4637.1	4402.3	3782.5	2775.4	1034.5	168.9
32.5°	5858.1	5847.1	5781.3	5651.8	5486.2	5379.8	5081.4	4334.3	3315.2	1377.9	190.9
35°	6692.9	6672.0	6498.7	6350.6	6209.1	6075.3	5803.2	4975.0	3854.9	1762.9	220.5
37.5°	7535.4	7437.8	7090.0	6902.4	6804.8	6695.1	6441.7	5658.4	4391.4	2192.9	256.7
40°	8171.7	8096.0	7683.5	7337.9	7260.0	7166.8	6978.1	6248.6	4961.8	2654.8	300.6
42.5°	8523.8	8482.1	8111.3	7770.2	7587.0	7504.7	7343.4	6764.2	5525.7	3164.9	364.2
45°	8674.1	8609.4	8361.4	8202.4	7910.6	7774.5	7582.6	7153.6	6114.8	3744.1	453.1
47.5°	8628.0	8590.7	8413.0	8471.2	8259.4	8047.7	7765.8	7452.0	6618.3	4408.9	574.8
50°	8338.4	8306.6	8251.7	8566.6	8540.3	8290.1	8002.7	7687.9	7029.7	5094.5	763.5
52.5°	7787.7	7774.5	7915.0	8492.0	8699.3	8504.1	8230.9	7896.3	7413.6	5810.9	1033.4
55°	7077.9	7131.7	7533.2	8375.7	8780.5	8662.0	8432.8	8091.6	7721.9	6451.5	1431.6
57.5°	6786.1	6800.4	7301.7	8293.4	8816.7	8801.4	8629.1	8278.1	8004.9	6963.9	2039.4
60°	7127.3	7105.4	7369.7	8356.0	8889.1	8926.4	8803.5	8451.4	8250.7	7403.8	2848.9
62.5°	7743.8	7731.8	7816.2	8622.5	9100.8	9176.5	9046.0	8576.5	8467.9	7693.4	3772.6
65°	8294.5	8269.3	8426.2	9095.4	9472.7	9526.5	9412.4	8790.4	8563.3	7904.0	4640.4
67.5°	8532.6	8527.1	8779.4	9545.1	9863.3	9921.4	9821.6	9085.5	8541.4	7970.9	5023.2
70°	8424.0	8403.1	8806.8	9736.0	10083.8	10149.6	10053.0	9195.2	8303.3	7759.2	4456.1
71°	8304.4	8248.5	8724.6	9722.8	10114.5	10170.4	10001.5	9095.4	8064.2	7458.6	3941.6
72.5°	7933.6	7943.5	8498.6	9585.7	10041.0	10024.5	9709.7	8737.7	7775.6	6776.3	3166.0
75°	7020.9	7079.0	7766.9	9009.8	9385.0	9175.4	8693.8	8054.3	7196.4	4858.7	2198.4
77.5°	5737.4	5824.1	6579.9	7901.8	7795.4	7774.5	7754.8	7096.6	6145.5	2609.8	1529.2
80°	2739.2	2926.8	3969.0	5640.9	6127.9	6363.8	6215.7	5718.7	4752.3	1242.9	913.8
82.5°	178.8	176.6	250.1	473.9	1997.7	2582.4	4102.8	4087.5	3313.0	605.6	373.0
85°	84.5	86.7	95.4	108.6	126.2	138.2	190.9	1119.0	1585.2	288.5	81.2
87.5°	49.4	50.5	59.2	75.7	98.7	109.7	130.5	167.8	206.2	159.1	17.6
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: P1048541

CATALOG NUMBER: GALN-SA5A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2.5°	90.0	88.9	85.6	82.3	79.0	76.8	75.7	76.8	76.8	77.9	77.9
5°	90.0	86.7	81.2	74.6	70.2	65.8	63.6	62.5	63.6	63.6	63.6
7.5°	88.9	83.4	75.7	68.0	62.5	57.0	54.9	53.8	53.8	54.9	54.9
10°	86.7	81.2	71.3	62.5	55.9	49.4	46.1	42.8	42.8	42.8	43.9
12.5°	85.6	77.9	65.8	57.0	48.3	40.6	34.0	30.7	31.8	31.8	31.8
15°	83.4	74.6	62.5	51.6	40.6	30.7	25.2	21.9	23.0	24.1	23.0
17.5°	83.4	73.5	58.1	45.0	31.8	23.0	18.6	16.5	16.5	17.6	17.6
20°	83.4	71.3	54.9	38.4	24.1	17.6	13.2	12.1	12.1	14.3	15.4
22.5°	85.6	71.3	50.5	31.8	19.7	13.2	9.9	8.8	9.9	12.1	13.2
25°	88.9	70.2	46.1	28.5	16.5	9.9	7.7	5.5	6.6	8.8	9.9
27.5°	92.1	69.1	41.7	25.2	13.2	7.7	5.5	4.4	3.3	4.4	4.4
30°	95.4	69.1	37.3	20.8	11.0	5.5	3.3	2.2	1.1	0.0	0.0
32.5°	97.6	66.9	34.0	16.5	8.8	4.4	2.2	1.1	0.0	0.0	0.0
35°	99.8	64.7	29.6	13.2	6.6	3.3	1.1	0.0	0.0	0.0	0.0
37.5°	102.0	61.4	25.2	11.0	5.5	2.2	0.0	0.0	0.0	0.0	0.0
40°	104.2	57.0	20.8	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	106.4	53.8	17.6	7.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	111.9	51.6	14.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	121.8	49.4	13.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	136.0	47.2	12.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	155.8	46.1	11.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	190.9	45.0	9.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	251.2	43.9	9.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	385.1	41.7	9.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	687.8	40.6	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1199.0	41.7	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1719.0	43.9	7.7	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1471.1	38.4	7.7	4.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
71°	1199.0	34.0	7.7	4.4	2.2	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	771.2	26.3	6.6	4.4	2.2	2.2	1.1	0.0	0.0	0.0	0.0
75°	325.8	21.9	6.6	4.4	3.3	2.2	2.2	1.1	0.0	0.0	0.0
77.5°	139.3	16.5	6.6	5.5	4.4	3.3	3.3	2.2	1.1	0.0	0.0
80°	52.7	13.2	7.7	6.6	5.5	5.5	4.4	2.2	1.1	0.0	0.0
82.5°	24.1	11.0	7.7	6.6	6.6	5.5	4.4	3.3	2.2	0.0	0.0
85°	15.4	9.9	7.7	6.6	6.6	5.5	5.5	3.3	2.2	0.0	0.0
87.5°	12.1	9.9	7.7	7.7	6.6	6.6	4.4	3.3	1.1	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

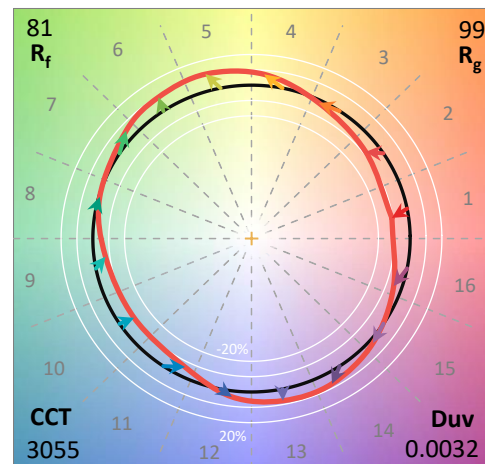
Test Information

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

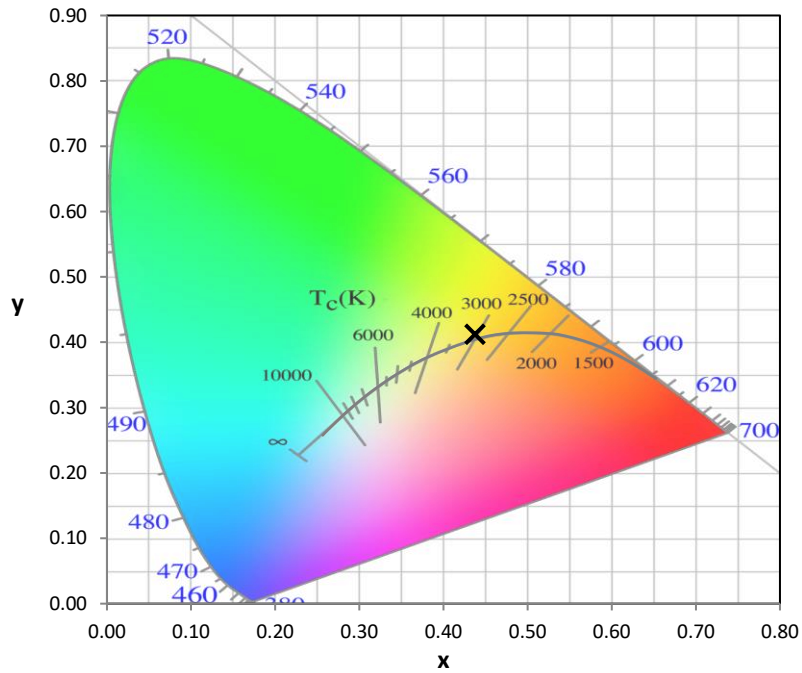
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

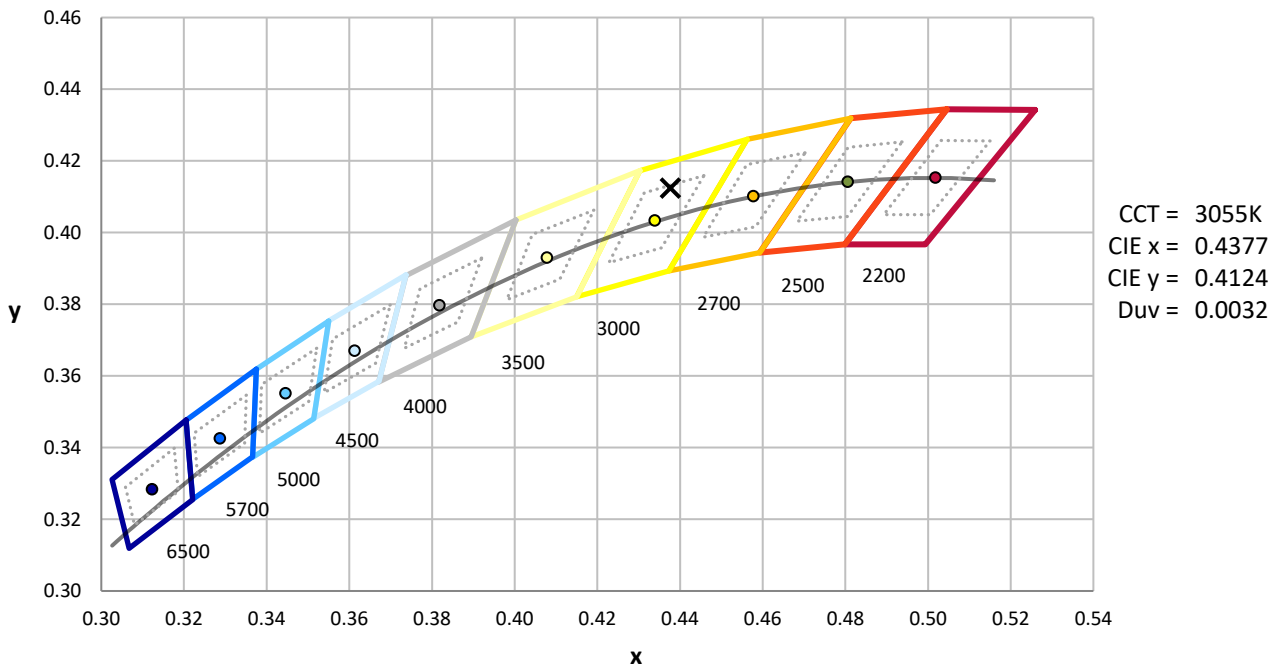
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

Scotopic Flux vs. Wavelength



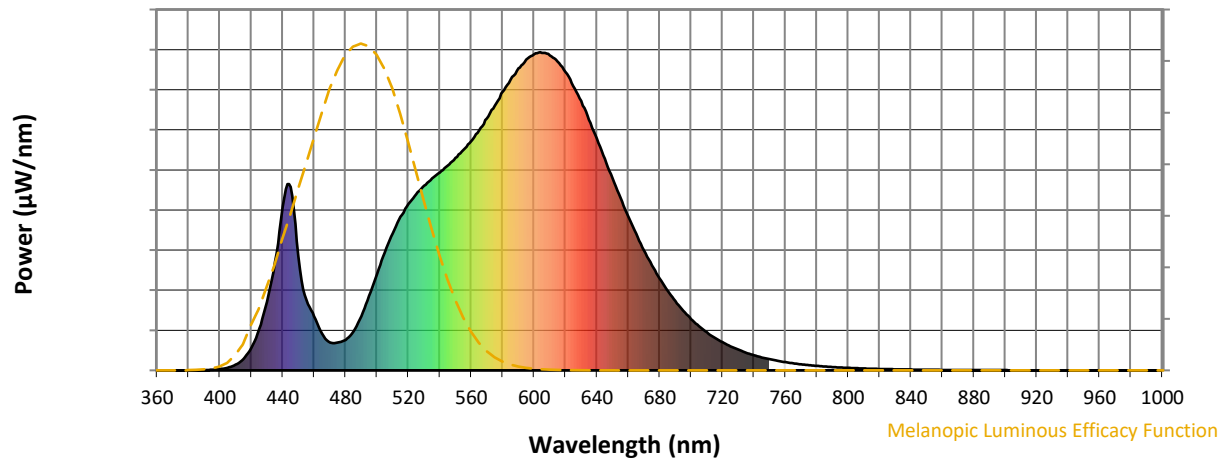
Scotopic Lumens: NR

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

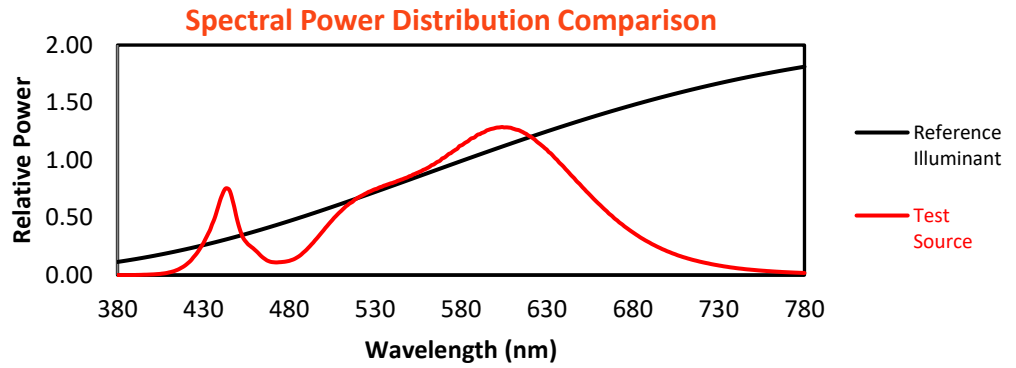
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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

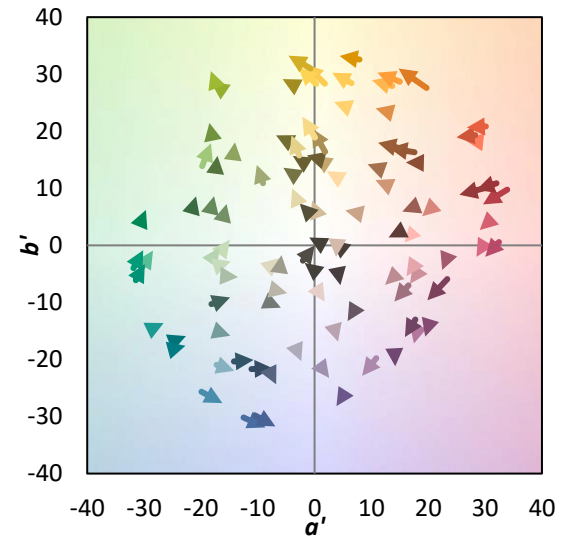
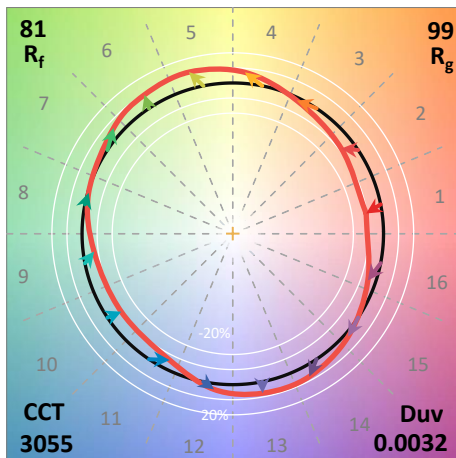
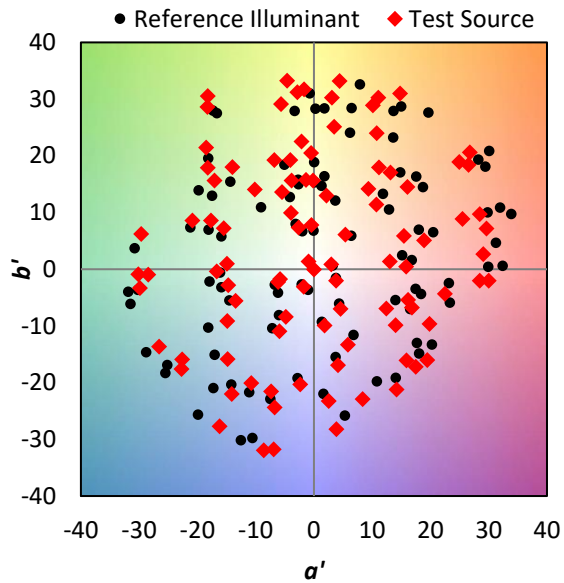
TM-30-18

Summary

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



Color Vector Graphics

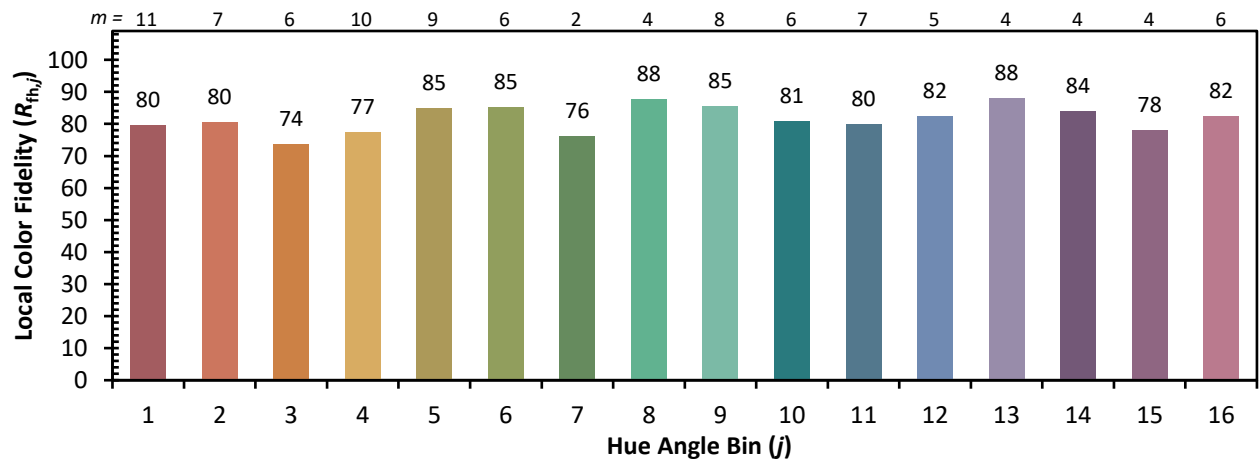
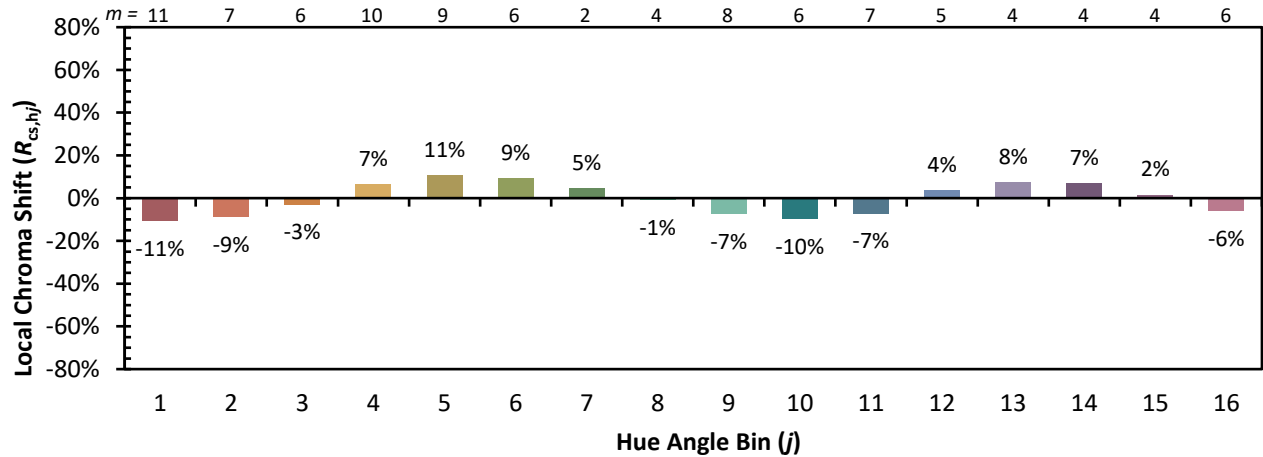


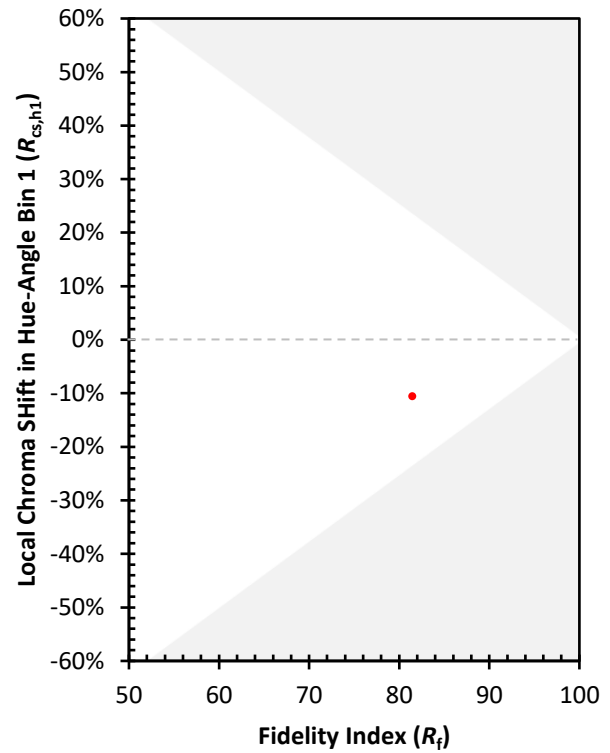
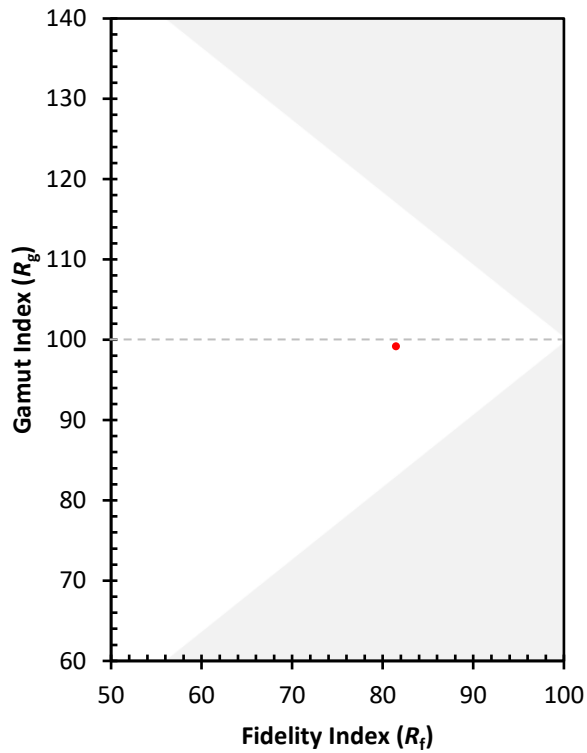
Individual Sample Fidelity Index ($R_{f,i}$)

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)