

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: P1047914

Luminaire Tested: **GALN-SA1B-830-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047914
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4088.4 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 38.7
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



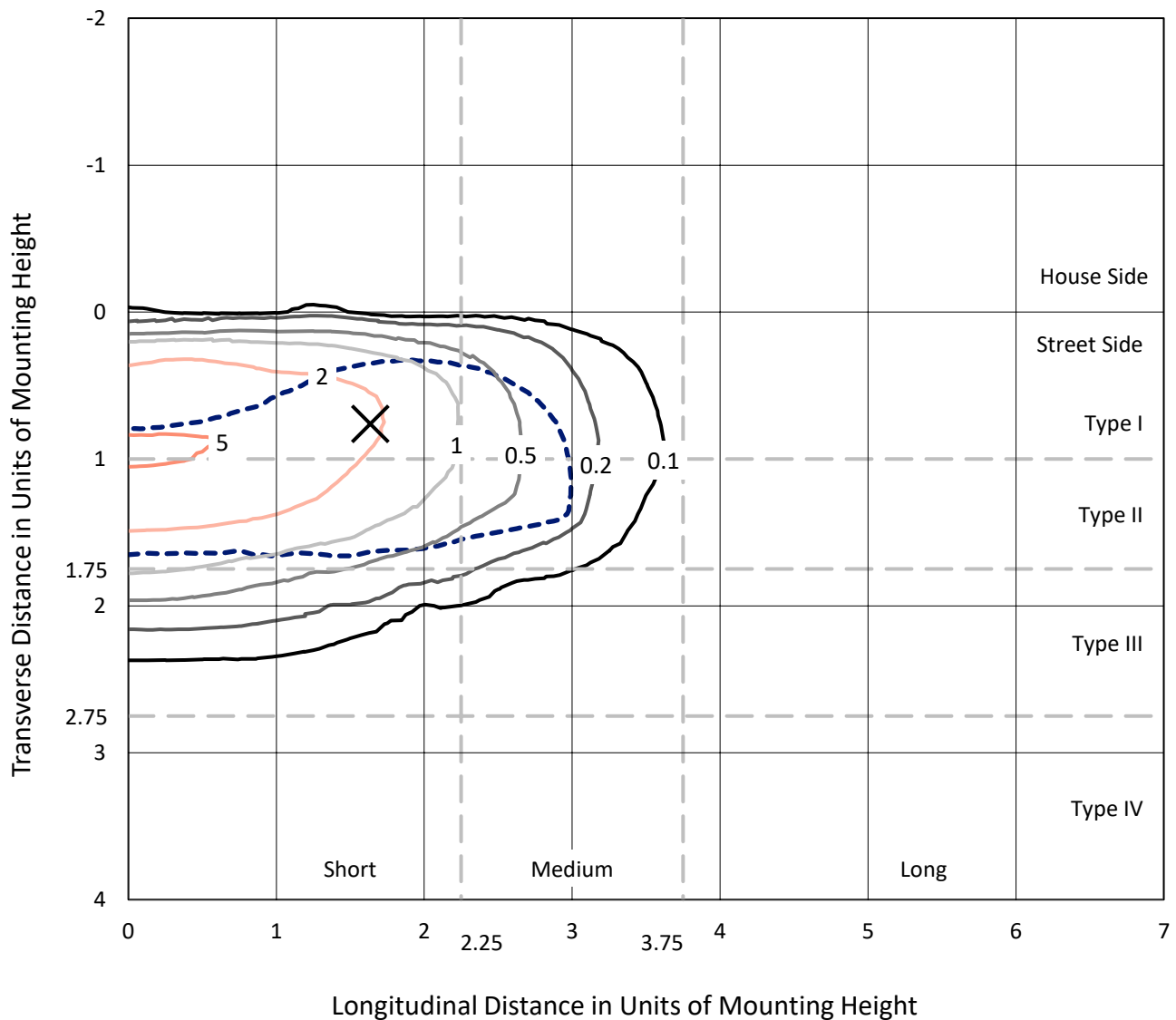
REPORT NUMBER: P1047914

CATALOG NUMBER: GALN-SA1B-830-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

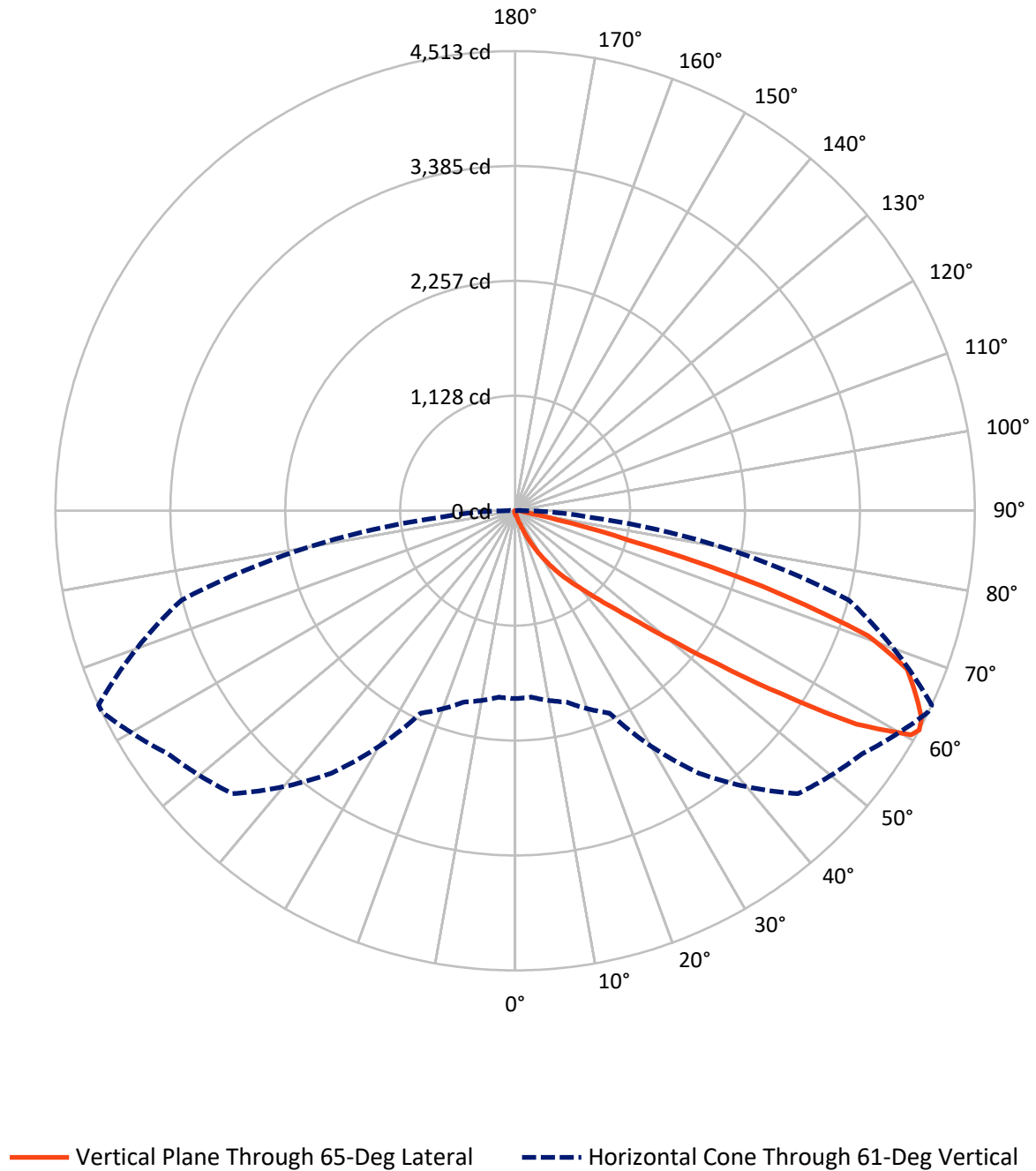


Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - N/A

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CATALOG NUMBER: GALN-SA1B-830-U-T2BC

Luminous Intensity Polar Plot



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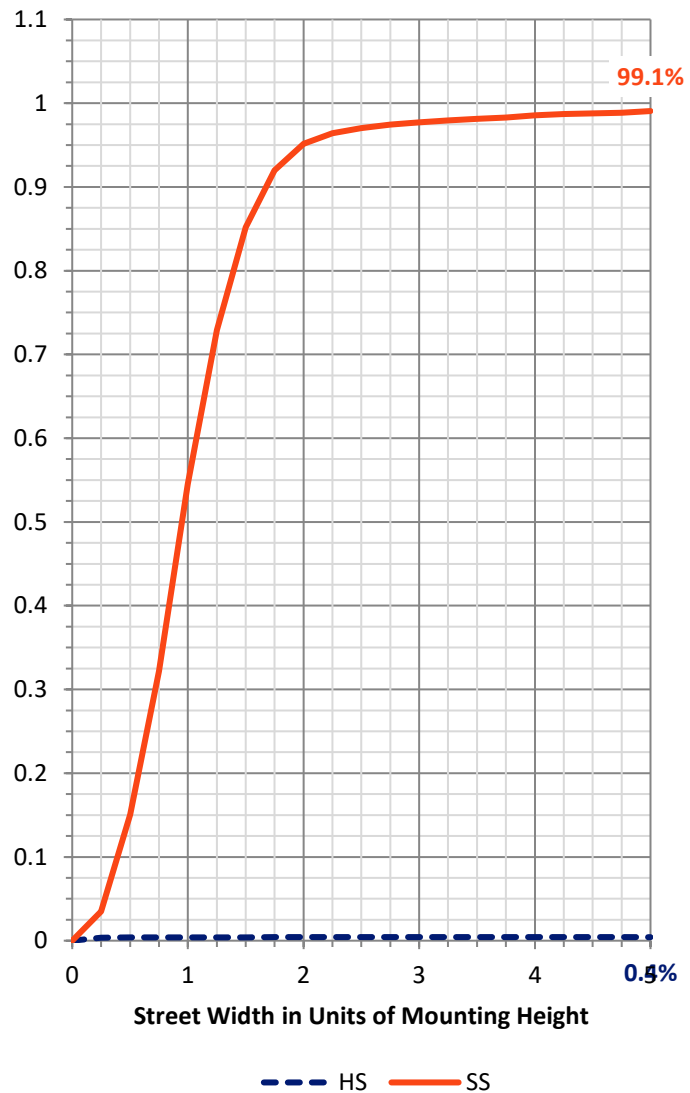
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.5	0.0	17.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4070.9	0.0	4070.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	4088.4	0.0	4088.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	33.6	0.8
20°-30°	120.7	3.0
30°-40°	321.2	7.9
40°-50°	843.9	20.6
50°-60°	1307.3	32.0
60°-70°	1096.2	26.8
70°-80°	322.6	7.9
80°-90°	39.8	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°	4088.4	100.0
0°-180°	4088.4	100.0



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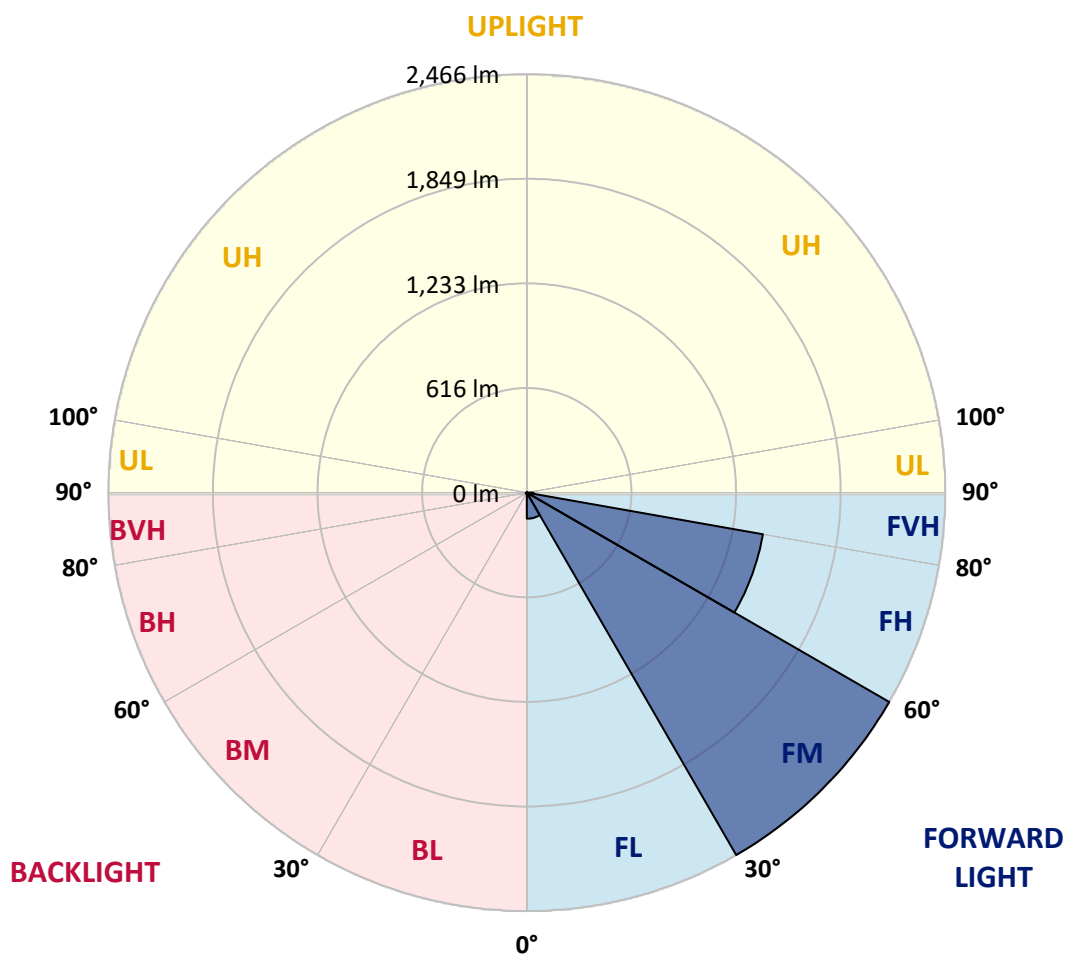
CATALOG NUMBER: GALN-SA1B-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.5	3.8			
FM	(30°-60°)	2465.7	60.3			
FH	(60°-80°)	1412.6	34.6			G1/1800
FVH	(80°-90°)	39.0	1.0			G1/100
BL	(0°-30°)	3.9	0.1	B0/110		
BM	(30°-60°)	6.6	0.2	B0/220		
BH	(60°-80°)	6.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G1

Type II Short



REPORT NUMBER: P1047914

CATALOG NUMBER: GALN-SA1B-830-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2.5°	30.4	30.7	30.1	29.0	28.1	28.1	27.8	27.0	27.0	26.2	25.6
5°	42.5	41.9	40.8	38.5	36.6	34.6	32.6	30.7	30.4	27.8	26.2
7.5°	69.5	70.0	66.4	59.3	53.4	45.8	38.8	34.6	34.0	29.8	26.4
10°	152.4	148.2	139.8	112.5	92.5	69.7	51.7	40.2	39.7	32.1	27.0
12.5°	277.9	274.5	259.0	230.9	179.4	124.9	75.7	49.8	48.1	34.0	27.3
15°	400.5	395.1	386.7	358.3	298.1	223.9	123.7	68.1	63.6	36.8	27.0
17.5°	478.7	479.5	471.9	459.8	421.0	331.3	213.7	101.5	92.8	41.9	26.4
20°	547.0	545.0	549.3	542.8	515.5	450.3	311.0	160.9	146.0	50.1	26.7
22.5°	625.7	630.5	633.6	632.2	602.1	546.4	421.6	240.7	221.9	65.0	27.6
25°	731.2	730.7	730.9	727.3	698.0	636.2	532.4	340.0	320.9	89.2	29.5
27.5°	841.7	845.1	846.5	833.3	795.1	734.3	635.0	448.6	426.1	128.0	32.1
30°	992.8	990.0	983.5	956.5	910.1	834.7	736.3	562.5	538.8	182.2	36.0
32.5°	1196.4	1193.3	1160.7	1101.0	1031.6	939.3	838.1	676.7	648.0	250.0	41.3
35°	1531.9	1536.7	1456.5	1302.1	1177.5	1065.0	950.9	790.3	765.0	333.5	48.7
37.5°	2045.7	2019.6	1910.7	1637.9	1369.6	1222.0	1058.6	905.0	883.1	436.5	58.2
40°	2544.9	2519.0	2487.5	2229.1	1703.4	1394.9	1209.3	1039.7	1011.3	552.6	72.3
42.5°	3069.7	3055.3	3053.9	2859.0	2312.6	1666.9	1390.7	1197.5	1173.3	680.0	95.3
45°	3441.5	3427.1	3457.2	3491.3	3142.2	2249.6	1706.5	1402.5	1367.4	834.7	132.2
47.5°	3491.5	3492.1	3572.5	3679.1	3758.7	3151.0	2127.3	1674.2	1631.4	1056.0	194.1
50°	3325.1	3331.5	3459.5	3650.2	3864.5	3907.2	2869.2	2068.5	2005.2	1318.4	281.8
52.5°	3008.1	3015.4	3193.7	3507.3	3767.2	4088.9	3742.7	2584.3	2511.4	1645.8	405.5
55°	2722.6	2727.1	2931.6	3327.9	3649.9	3990.2	4261.3	3273.0	3177.4	2048.5	527.6
57.5°	2440.0	2429.6	2562.6	3016.3	3629.9	3869.0	4337.8	4058.0	3952.5	2488.7	622.7
60°	2062.0	2044.6	2151.5	2440.0	3367.2	3948.6	4194.6	4492.2	4468.3	3101.5	696.1
61°	1844.6	1837.3	1944.7	2192.2	3146.2	3928.3	4160.3	4510.5	4513.0	3391.4	729.0
62.5°	1317.3	1338.1	1502.4	1824.1	2635.2	3797.0	4164.8	4453.9	4479.0	3776.7	814.2
65°	585.5	619.0	746.7	1008.5	1532.5	3158.6	4124.9	4329.9	4317.5	3882.5	1107.8
67.5°	347.3	352.4	415.9	571.5	811.6	1698.9	3640.0	4165.9	4149.4	3379.9	1378.3
70°	273.6	276.2	296.4	358.6	471.1	650.8	2077.5	3604.3	3676.6	2740.6	1349.4
72.5°	259.6	259.0	261.8	272.8	296.7	322.9	804.3	2395.8	2542.9	1973.7	1131.4
75°	256.2	255.1	252.3	248.0	214.9	190.1	249.2	1059.7	1144.9	1348.5	851.9
77.5°	248.6	248.9	249.5	237.9	184.2	134.4	120.7	340.0	418.2	855.8	605.5
80°	168.2	170.7	174.9	170.4	165.6	97.3	85.2	120.9	122.6	480.4	399.9
82.5°	85.2	85.2	83.2	74.2	64.1	63.3	67.8	87.7	88.9	243.0	188.1
85°	51.5	54.3	55.4	50.3	46.1	42.5	51.7	69.7	72.3	94.2	43.9
87.5°	11.5	11.8	12.9	17.2	25.0	34.0	48.1	63.8	65.0	60.5	5.3
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: P1047914

CATALOG NUMBER: GALN-SA1B-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2.5°	25.3	24.7	24.5	23.6	22.8	21.9	21.4	21.1	21.4	21.7	21.7
5°	25.0	24.2	22.8	21.4	20.2	19.1	18.0	17.7	17.7	18.0	18.0
7.5°	25.0	23.6	21.7	20.0	18.3	16.6	15.7	15.2	15.5	15.5	15.5
10°	25.0	23.3	20.8	18.3	16.3	14.3	12.9	12.4	12.4	12.4	12.4
12.5°	24.7	23.1	20.0	16.9	14.1	11.8	10.1	9.3	9.6	9.6	9.6
15°	24.2	22.2	18.8	14.3	11.2	9.0	7.3	6.5	6.7	7.3	7.6
17.5°	23.3	21.4	16.9	12.1	9.0	6.7	5.1	4.5	4.8	5.6	5.6
20°	23.1	20.5	14.9	9.8	6.7	4.8	3.4	2.8	3.1	4.2	4.5
22.5°	23.1	20.0	13.5	8.2	5.1	3.1	2.0	1.1	1.1	2.0	2.0
25°	23.3	19.7	12.4	6.7	3.7	2.2	1.1	0.6	1.1	3.1	3.7
27.5°	23.9	19.4	11.8	5.6	2.8	2.0	0.8	2.0	3.4	3.4	3.4
30°	24.5	18.8	11.0	4.8	2.5	1.4	1.4	2.8	2.8	3.4	3.7
32.5°	25.3	18.6	10.4	4.2	2.0	1.1	2.0	1.7	1.7	2.0	2.2
35°	27.0	18.8	9.8	4.2	2.0	1.4	1.7	0.8	0.6	0.6	0.6
37.5°	29.2	19.1	9.0	3.7	1.7	1.7	0.8	0.0	0.0	0.0	0.0
40°	32.9	20.0	8.4	3.4	1.4	1.4	0.3	0.0	0.0	0.0	0.0
42.5°	39.1	21.7	8.2	3.1	1.4	1.1	0.0	0.0	0.0	0.0	0.0
45°	51.5	25.6	7.6	2.8	1.4	0.6	0.0	0.0	0.0	0.0	0.0
47.5°	74.0	34.9	7.3	2.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0
50°	108.0	47.2	7.0	2.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	137.8	49.8	4.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	141.2	34.3	3.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	112.5	22.2	3.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	85.2	16.9	2.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	81.8	15.2	2.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	90.3	13.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	146.8	11.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	255.1	9.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	322.3	9.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	281.0	8.2	1.7	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	169.0	7.0	1.7	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	88.6	5.3	1.7	1.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0
80°	43.0	4.8	2.0	1.4	1.1	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	16.9	3.9	2.2	2.0	1.4	0.8	0.3	0.0	0.0	0.0	0.0
85°	7.6	3.4	2.5	2.2	2.0	1.1	0.3	0.0	0.0	0.0	0.0
87.5°	3.9	3.1	2.8	2.5	2.0	1.4	0.6	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

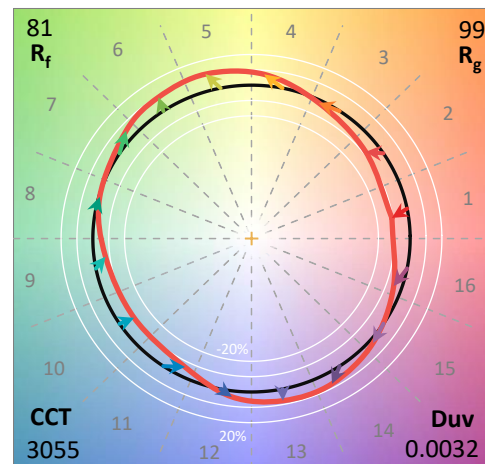
Test Information

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

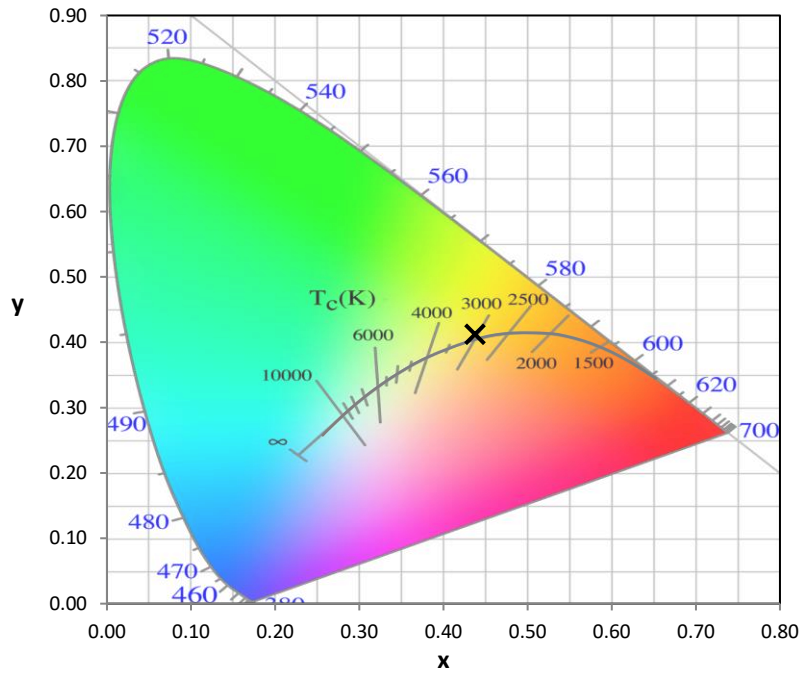
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

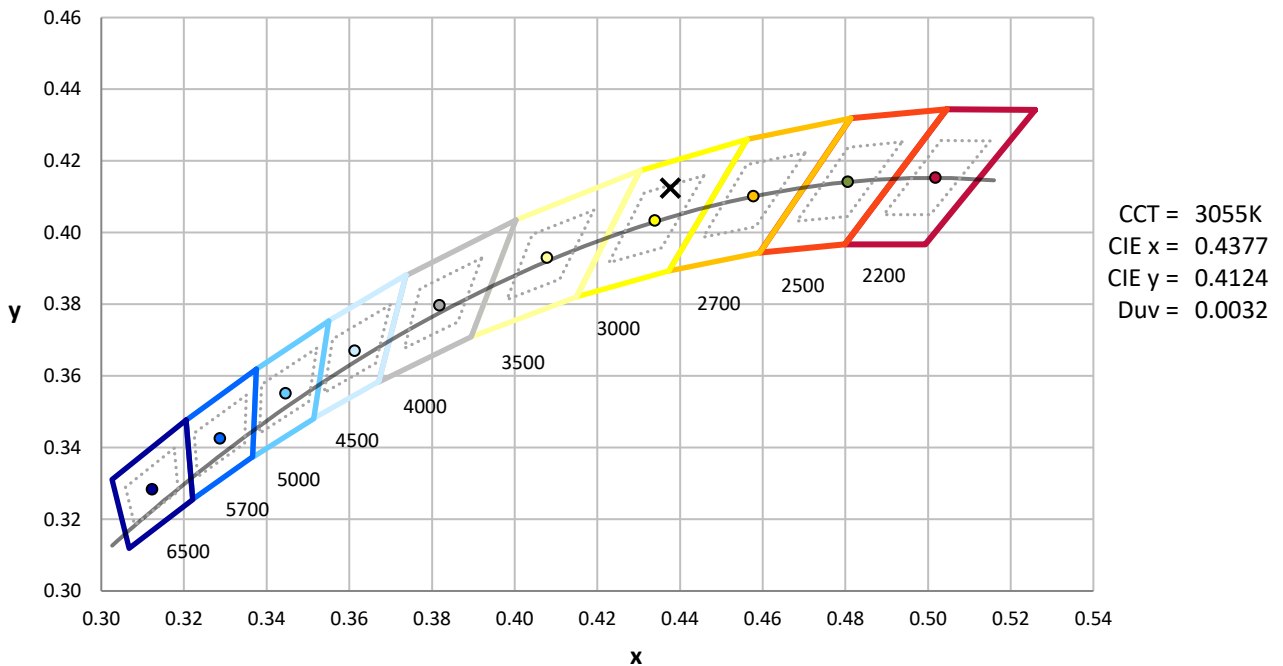
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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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/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



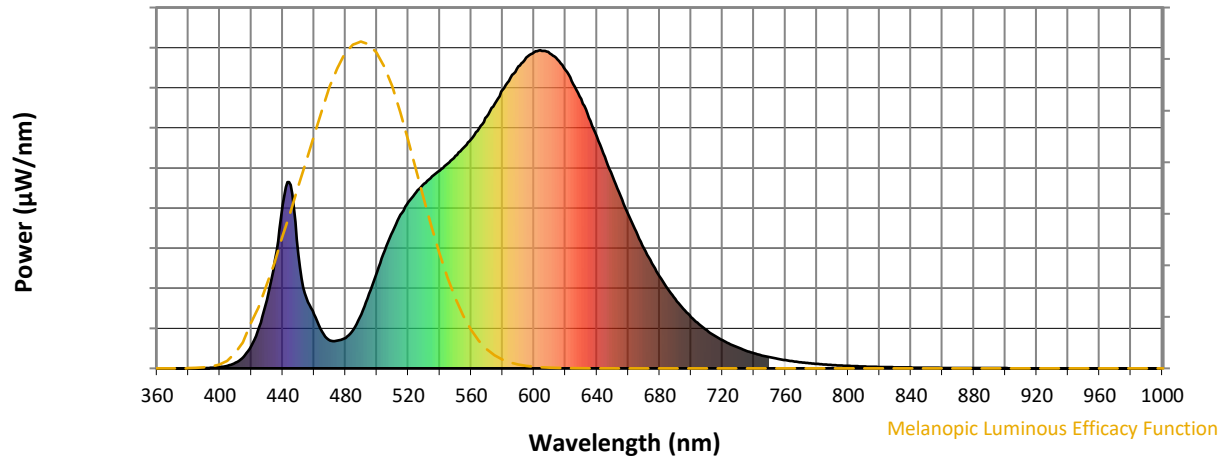
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

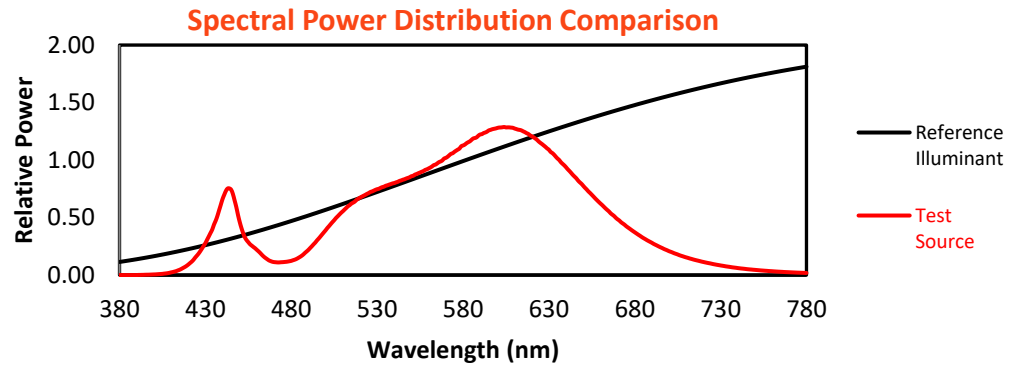
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938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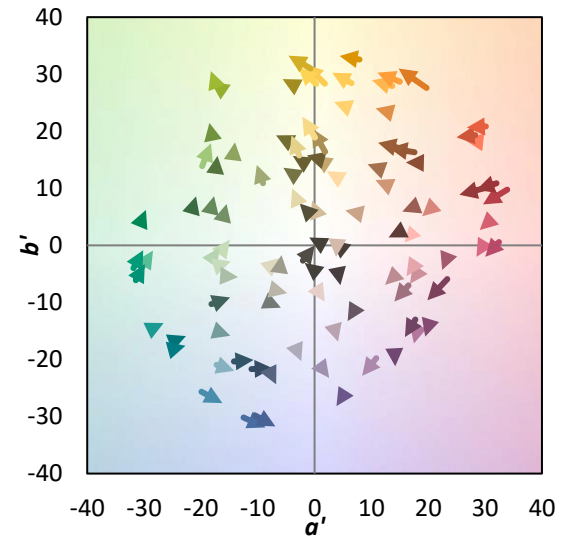
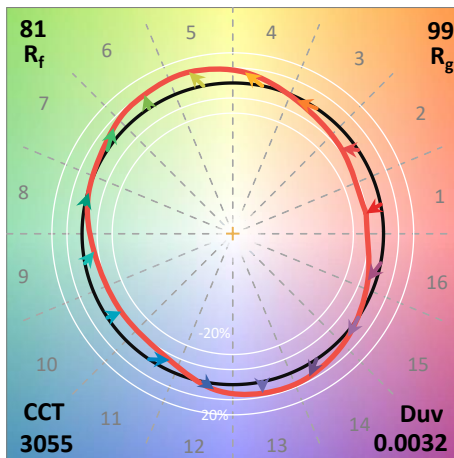
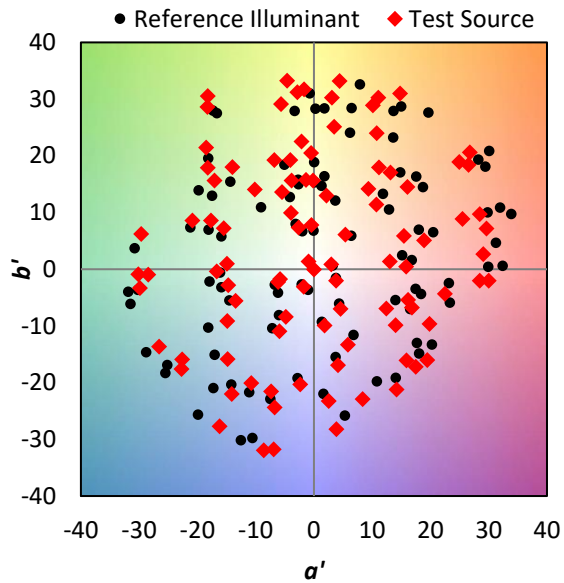
TM-30-18

Summary

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

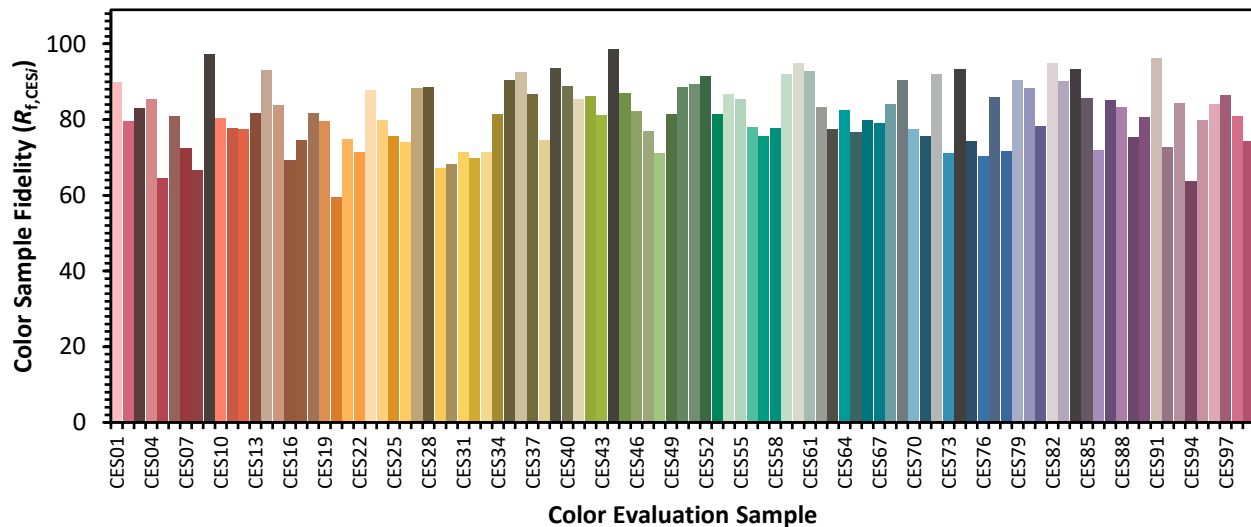


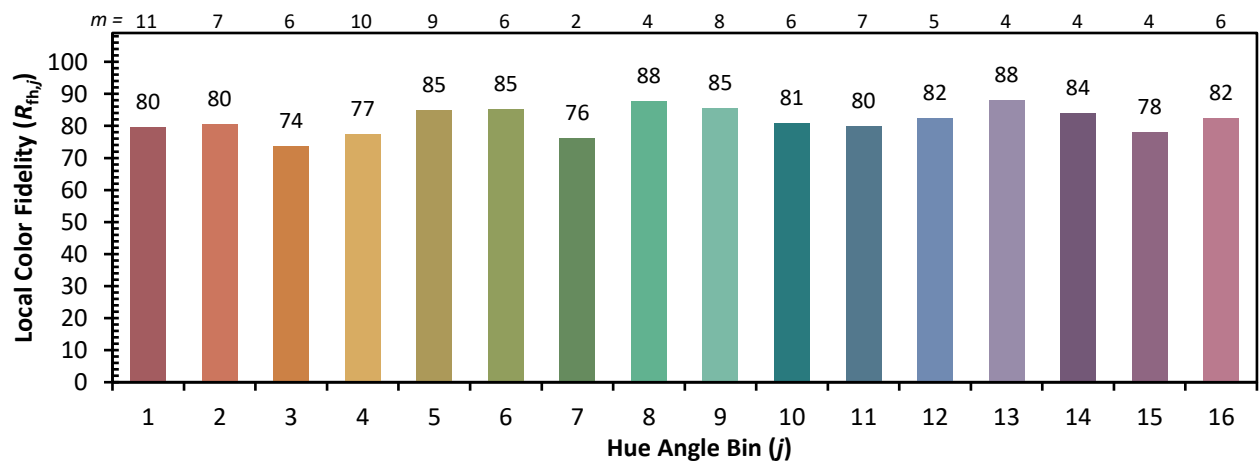
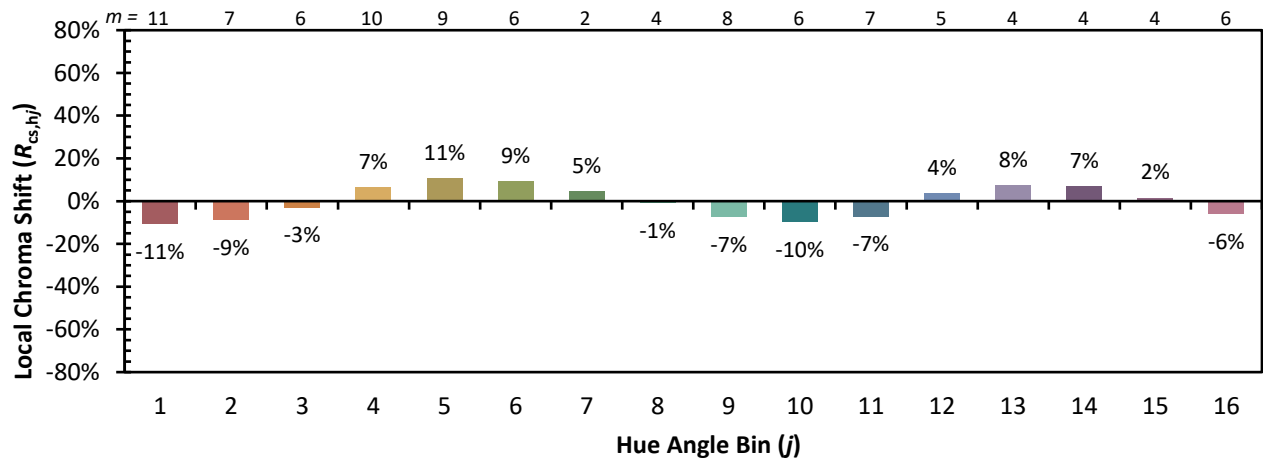
Color Vector Graphics



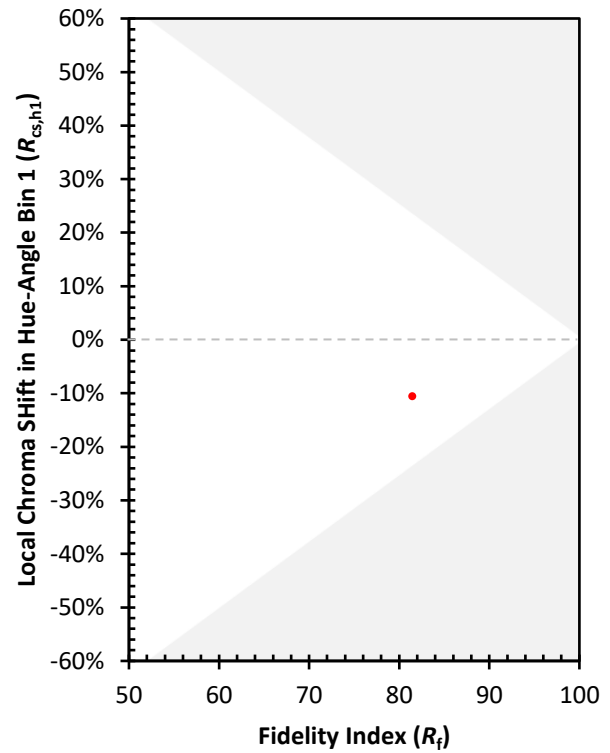
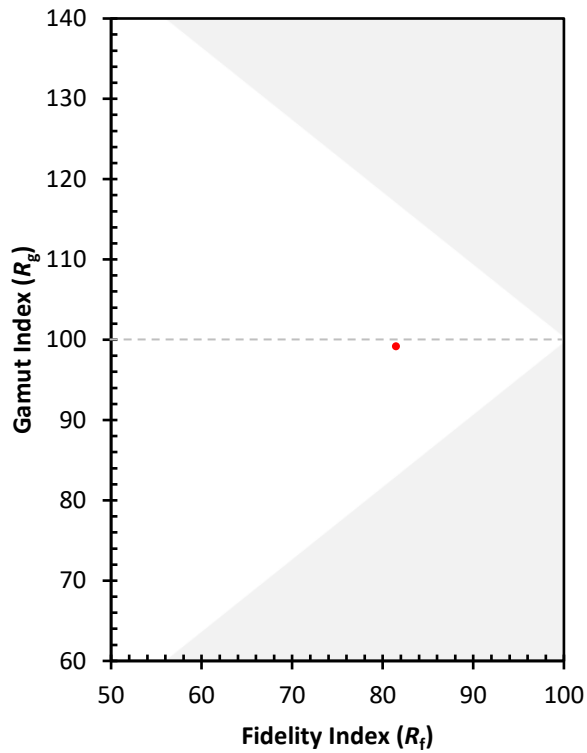
Individual Sample Fidelity Index ($R_{f,i}$)

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)