

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: P1048557

Luminaire Tested: **GALN-SA9A-830-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048557
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-830-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 9xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29324.3 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 244.6
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



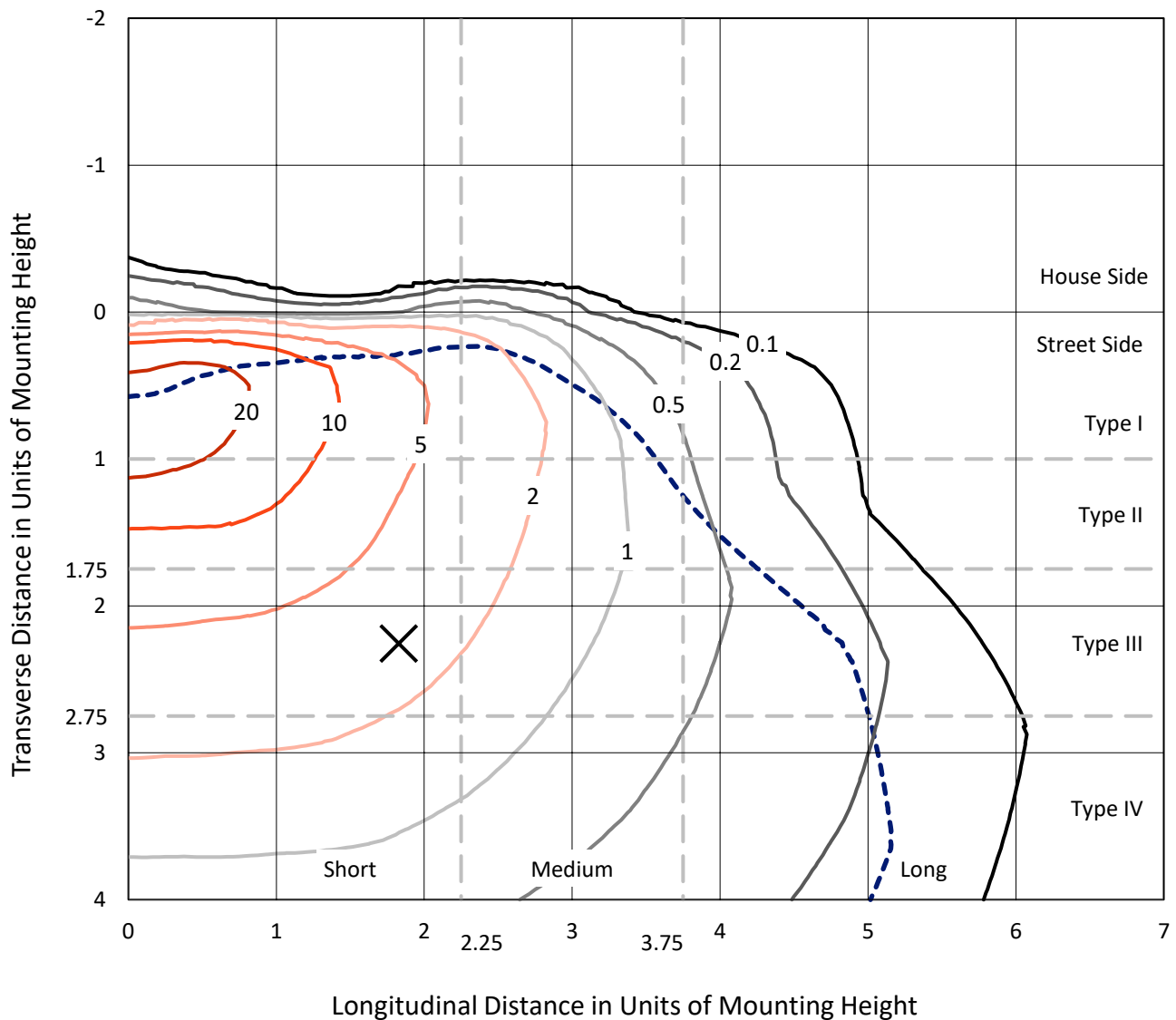
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

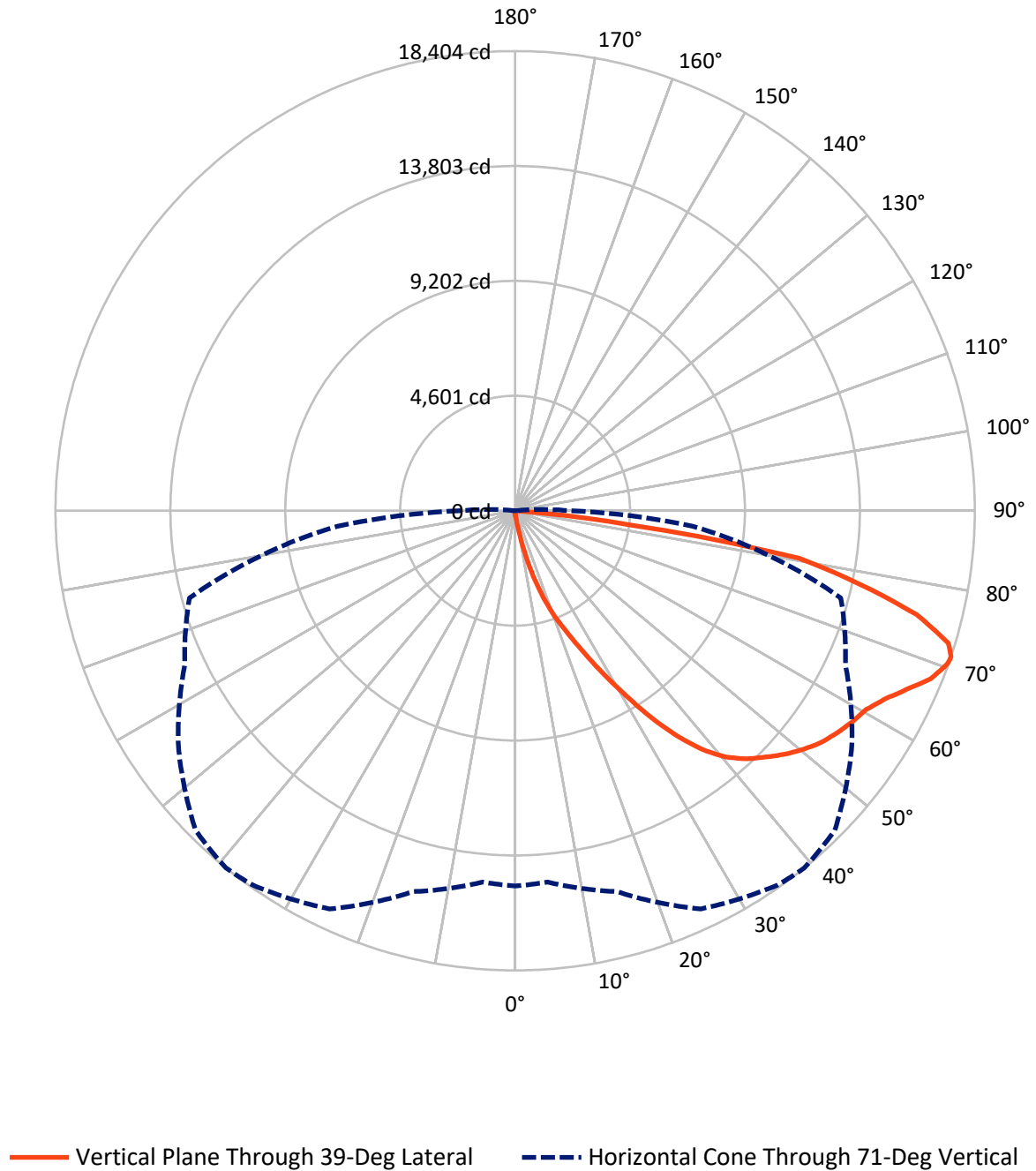


Based on 15 foot mounting height. Maximum calculated value = 30.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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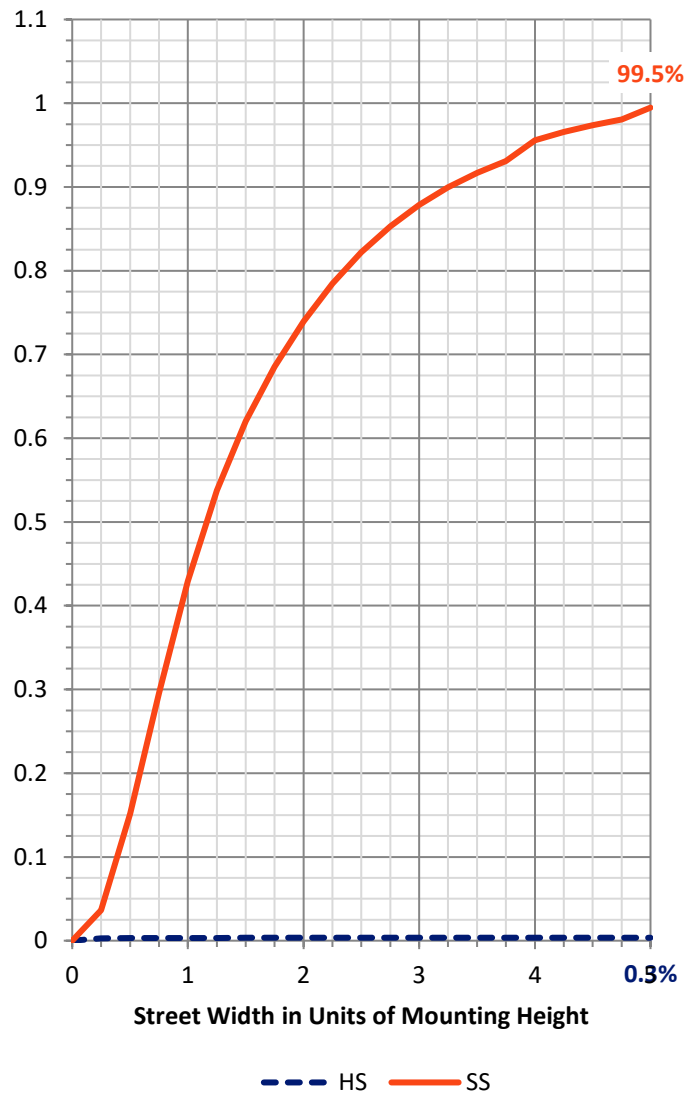
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	104.2	0.0	104.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	29220.1	0.0	29220.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	29324.3	0.0	29324.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.5	0.1
10°-20°	313.4	1.1
20°-30°	1116.2	3.8
30°-40°	2690.1	9.2
40°-50°	4502.0	15.4
50°-60°	5782.3	19.7
60°-70°	7317.5	25.0
70°-80°	6523.9	22.2
80°-90°	1054.6	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°	29324.3	100.0
0°-180°	29324.3	100.0



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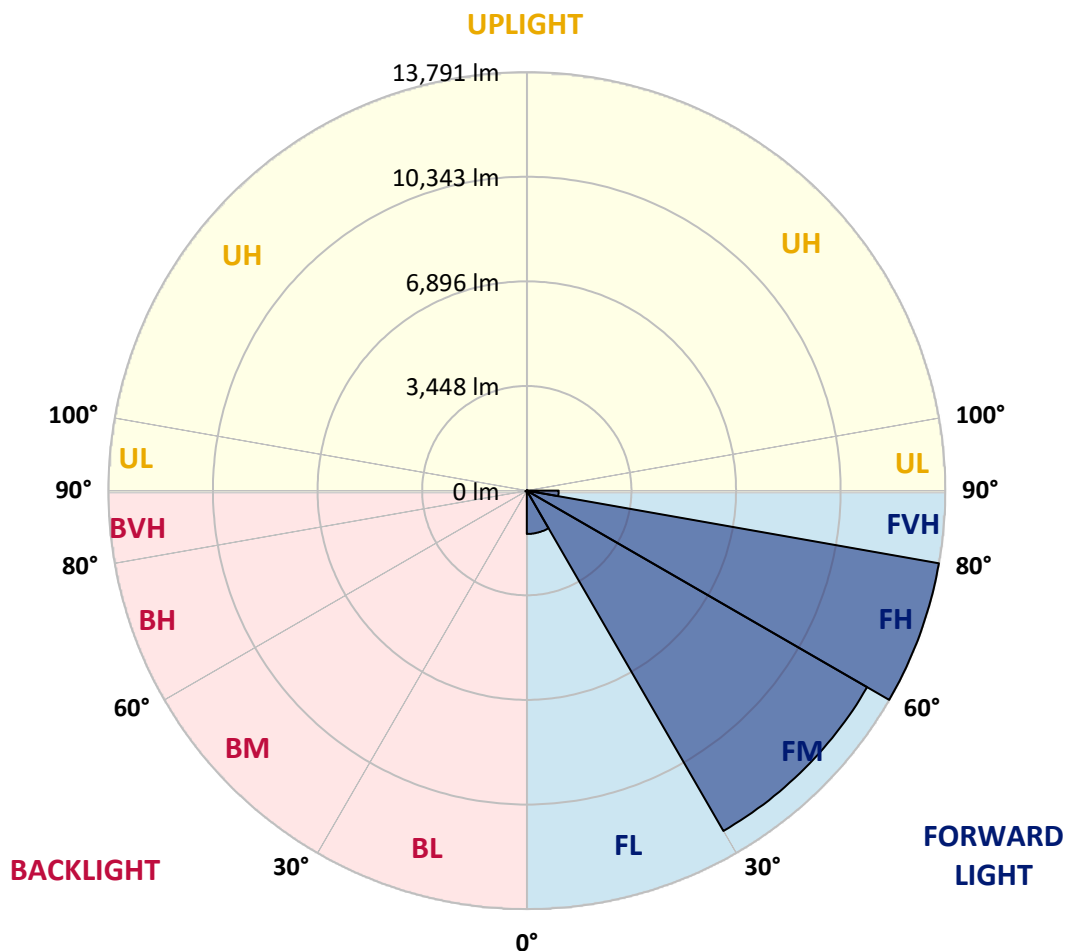
CATALOG NUMBER: GALN-SA9A-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1428.9	4.9			
FM	(30°-60°)	12950.2	44.2			
FH	(60°-80°)	13791.3	47.0			G5
FVH	(80°-90°)	1049.8	3.6			G5
BL	(0°-30°)	25.2	0.1	B0/110		
BM	(30°-60°)	24.1	0.1	B0/220		
BH	(60°-80°)	50.1	0.2	B0/110		G0/110
BVH	(80°-90°)	4.8	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-G5

Type IV Short



REPORT NUMBER: P1048557

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8
2.5°	184.6	184.6	184.6	178.7	178.7	176.7	174.7	174.7	170.7	168.7	164.8
5°	279.9	273.9	260.0	252.1	236.2	226.3	216.4	202.5	188.6	178.7	166.7
7.5°	633.2	647.1	601.5	516.1	428.8	391.1	327.5	264.0	218.4	188.6	168.7
10°	1613.9	1605.9	1451.1	1280.4	988.6	871.5	682.9	430.8	281.9	206.5	170.7
12.5°	2745.4	2737.5	2554.8	2322.6	1937.5	1693.3	1336.0	804.0	405.0	234.2	170.7
15°	3696.3	3664.5	3606.9	3376.7	2926.0	2721.6	2249.1	1421.3	655.1	281.9	174.7
17.5°	4325.5	4297.7	4244.1	4160.8	3874.9	3632.7	3253.6	2233.2	1060.0	365.3	182.6
20°	4903.2	4883.3	4839.7	4823.8	4639.2	4510.1	4196.5	3166.2	1651.6	496.3	194.5
22.5°	5697.2	5655.6	5673.4	5578.1	5397.5	5242.6	5050.1	4142.9	2374.2	714.6	216.4
25°	6669.9	6650.1	6600.5	6533.0	6282.8	6147.9	5852.1	5064.0	3182.1	1000.5	240.2
27.5°	7845.1	7823.3	7811.4	7656.5	7368.7	7221.8	6808.9	5933.5	4091.3	1401.5	272.0
30°	9199.0	9208.9	9131.5	8933.0	8597.5	8391.0	7966.2	6844.6	5022.3	1871.9	305.7
32.5°	10600.4	10580.6	10461.5	10227.2	9927.5	9734.9	9195.0	7843.1	5999.0	2493.3	345.4
35°	12111.1	12073.4	11759.7	11491.7	11235.7	10993.5	10501.2	9002.4	6975.6	3190.1	399.0
37.5°	13635.7	13459.0	12829.7	12490.3	12313.6	12115.1	11656.5	10239.1	7946.4	3968.2	464.5
40°	14787.0	14650.0	13903.6	13278.3	13137.4	12968.7	12627.2	11307.1	8978.6	4803.9	543.9
42.5°	15424.2	15348.8	14677.8	14060.5	13729.0	13580.1	13288.3	12240.1	9998.9	5727.0	659.1
45°	15696.2	15579.1	15130.4	14842.6	14314.6	14068.4	13721.0	12944.8	11064.9	6775.1	819.8
47.5°	15612.8	15545.3	15223.7	15328.9	14945.8	14562.7	14052.5	13484.8	11976.1	7978.1	1040.2
50°	15088.7	15031.2	14931.9	15501.6	15454.0	15001.4	14481.3	13911.6	12720.5	9218.8	1381.6
52.5°	14092.2	14068.4	14322.5	15366.7	15741.8	15388.5	14894.2	14288.8	13415.3	10515.1	1870.0
55°	12807.9	12905.1	13631.7	15156.2	15888.7	15674.4	15259.5	14642.1	13973.1	11674.4	2590.6
57.5°	12279.8	12305.6	13212.8	15007.4	15954.3	15926.5	15614.8	14979.6	14485.3	12601.4	3690.3
60°	12897.2	12857.5	13335.9	15120.5	16085.3	16152.8	15930.4	15293.2	14929.9	13397.4	5155.3
62.5°	14012.8	13991.0	14143.8	15602.9	16468.4	16605.4	16369.1	15519.5	15323.0	13921.5	6826.8
65°	15009.3	14963.7	15247.6	16458.5	17141.3	17238.6	17032.2	15906.6	15495.7	14302.6	8397.0
67.5°	15440.1	15430.2	15886.8	17272.4	17848.0	17953.2	17772.6	16440.6	15456.0	14423.7	9089.8
70°	15243.6	15205.9	15936.4	17617.8	18247.0	18366.1	18191.5	16639.1	15025.2	14040.6	8063.5
71°	15027.2	14926.0	15787.5	17593.9	18302.6	18403.9	18098.2	16458.5	14592.5	13496.7	7132.5
72.5°	14356.2	14374.1	15378.6	17345.8	18169.6	18139.8	17570.1	15811.3	14070.4	12262.0	5729.0
75°	12704.6	12809.9	14054.5	16303.6	16982.5	16603.4	15731.9	14574.6	13022.3	8792.0	3978.1
77.5°	10382.1	10538.9	11906.6	14298.7	14106.1	14068.4	14032.7	12841.6	11120.5	4722.6	2767.2
80°	4956.8	5296.2	7182.1	10207.4	11088.8	11515.6	11247.6	10348.3	8599.5	2249.1	1653.6
82.5°	323.6	319.6	452.6	857.6	3614.9	4672.9	7424.3	7396.5	5995.0	1095.8	674.9
85°	152.9	156.8	172.7	196.5	228.3	250.1	345.4	2024.8	2868.5	522.1	146.9
87.5°	89.3	91.3	107.2	137.0	178.7	198.5	236.2	303.7	373.2	287.8	31.8
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: P1048557

CATALOG NUMBER: GALN-SA9A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8
2.5°	162.8	160.8	154.8	148.9	142.9	139.0	137.0	139.0	139.0	140.9	140.9
5°	162.8	156.8	146.9	135.0	127.0	119.1	115.1	113.2	115.1	115.1	115.1
7.5°	160.8	150.9	137.0	123.1	113.2	103.2	99.3	97.3	97.3	99.3	99.3
10°	156.8	146.9	129.0	113.2	101.2	89.3	83.4	77.4	77.4	77.4	79.4
12.5°	154.8	140.9	119.1	103.2	87.3	73.4	61.5	55.6	57.6	57.6	57.6
15°	150.9	135.0	113.2	93.3	73.4	55.6	45.7	39.7	41.7	43.7	41.7
17.5°	150.9	133.0	105.2	81.4	57.6	41.7	33.7	29.8	29.8	31.8	31.8
20°	150.9	129.0	99.3	69.5	43.7	31.8	23.8	21.8	21.8	25.8	27.8
22.5°	154.8	129.0	91.3	57.6	35.7	23.8	17.9	15.9	17.9	21.8	23.8
25°	160.8	127.0	83.4	51.6	29.8	17.9	13.9	9.9	11.9	15.9	17.9
27.5°	166.7	125.1	75.4	45.7	23.8	13.9	9.9	7.9	6.0	7.9	7.9
30°	172.7	125.1	67.5	37.7	19.9	9.9	6.0	4.0	2.0	0.0	0.0
32.5°	176.7	121.1	61.5	29.8	15.9	7.9	4.0	2.0	0.0	0.0	0.0
35°	180.6	117.1	53.6	23.8	11.9	6.0	2.0	0.0	0.0	0.0	0.0
37.5°	184.6	111.2	45.7	19.9	9.9	4.0	0.0	0.0	0.0	0.0	0.0
40°	188.6	103.2	37.7	17.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	192.6	97.3	31.8	13.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	202.5	93.3	25.8	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	220.3	89.3	23.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	246.2	85.4	21.8	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	281.9	83.4	19.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	345.4	81.4	17.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	454.6	79.4	17.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	696.8	75.4	17.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1244.7	73.4	15.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2169.7	75.4	15.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3110.7	79.4	13.9	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2662.0	69.5	13.9	7.9	4.0	2.0	0.0	0.0	0.0	0.0	0.0
71°	2169.7	61.5	13.9	7.9	4.0	2.0	2.0	0.0	0.0	0.0	0.0
72.5°	1395.5	47.6	11.9	7.9	4.0	4.0	2.0	0.0	0.0	0.0	0.0
75°	589.6	39.7	11.9	7.9	6.0	4.0	4.0	2.0	0.0	0.0	0.0
77.5°	252.1	29.8	11.9	9.9	7.9	6.0	6.0	4.0	2.0	0.0	0.0
80°	95.3	23.8	13.9	11.9	9.9	9.9	7.9	4.0	2.0	0.0	0.0
82.5°	43.7	19.9	13.9	11.9	11.9	9.9	7.9	6.0	4.0	0.0	0.0
85°	27.8	17.9	13.9	11.9	11.9	9.9	9.9	6.0	4.0	0.0	0.0
87.5°	21.8	17.9	13.9	13.9	11.9	11.9	7.9	6.0	2.0	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

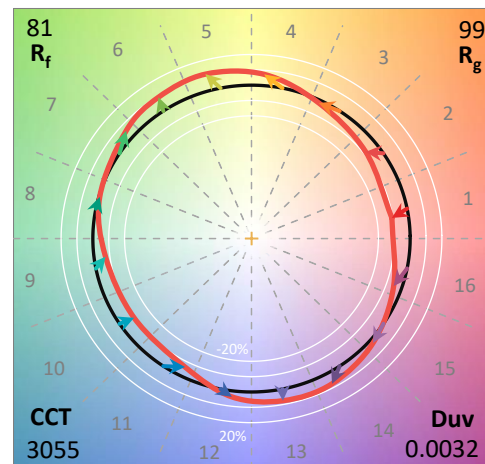
Test Information

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

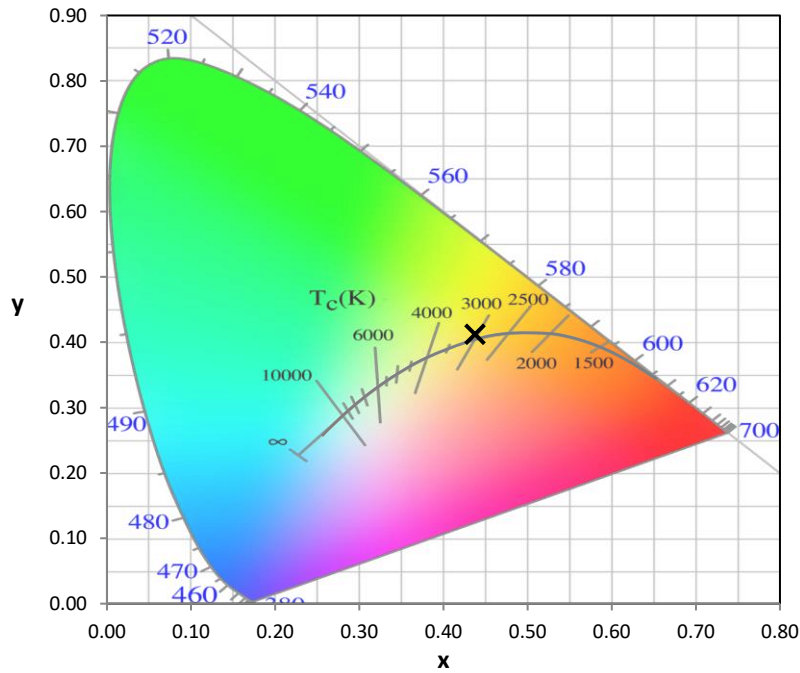
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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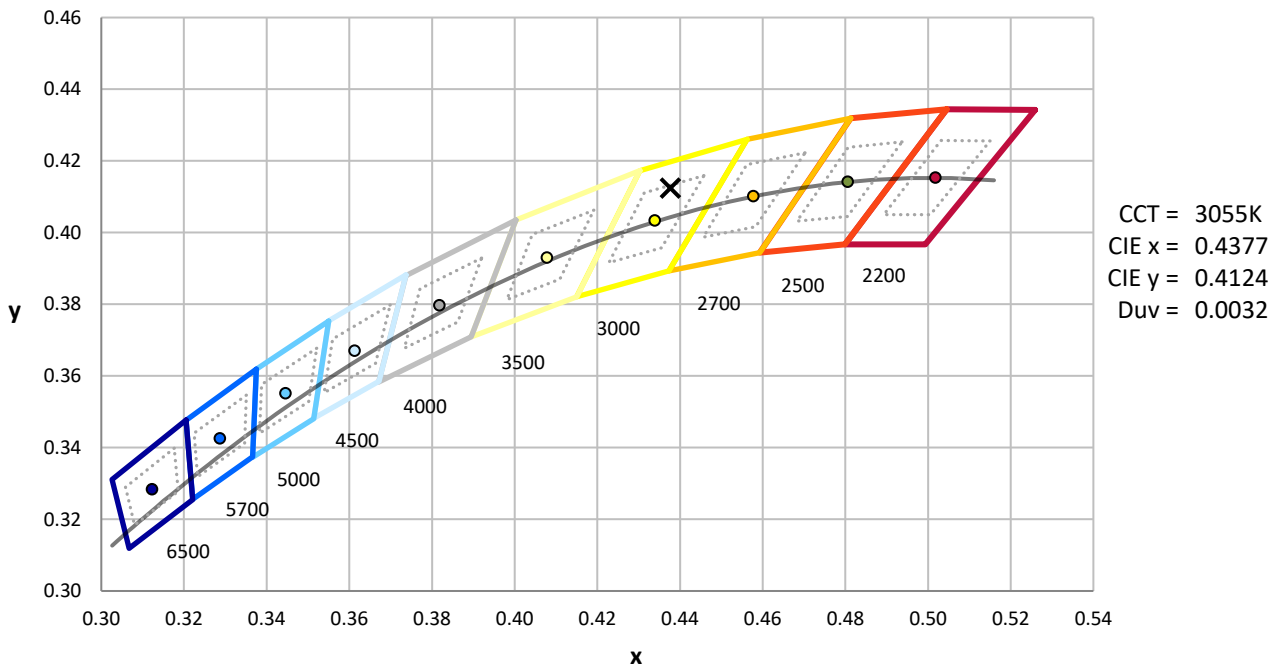
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



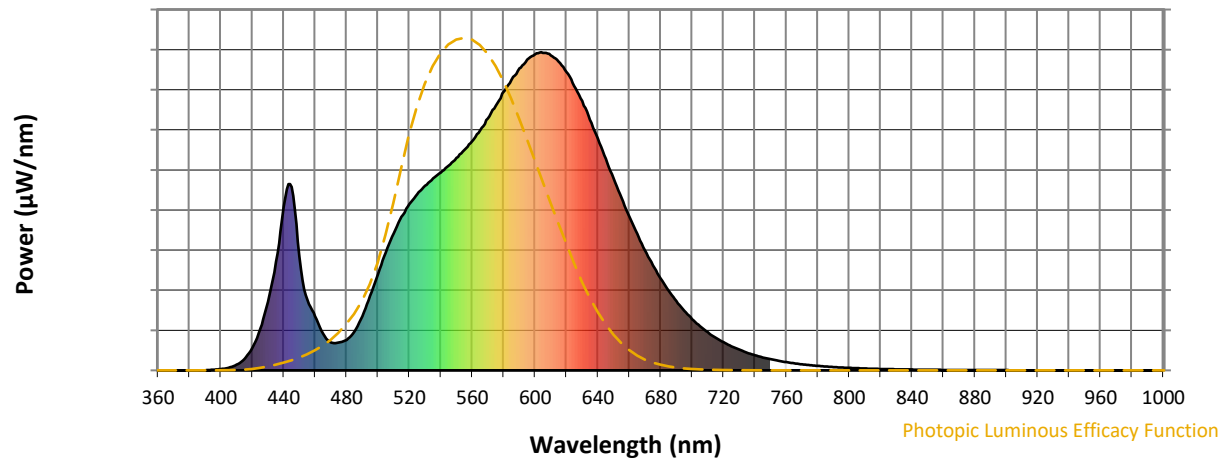
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

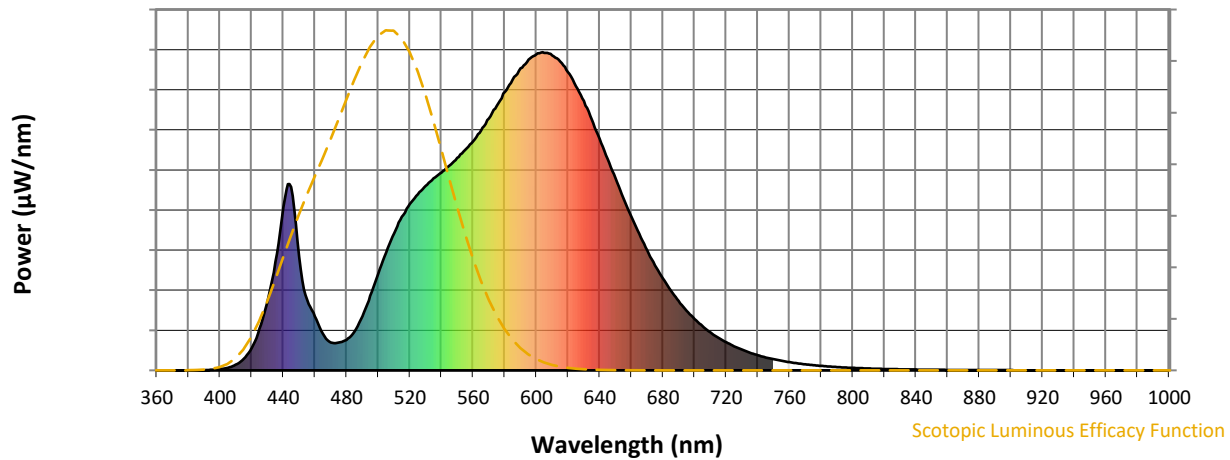


Photopic Lumens: NR

λ (nm)	Power W ^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			

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Scotopic Flux vs. Wavelength



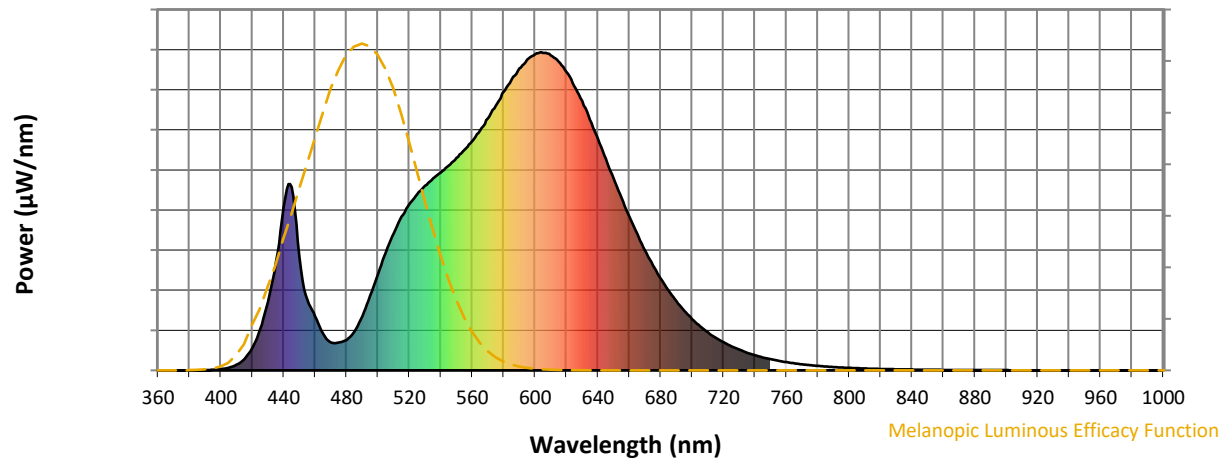
Scotopic Lumens: NR

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

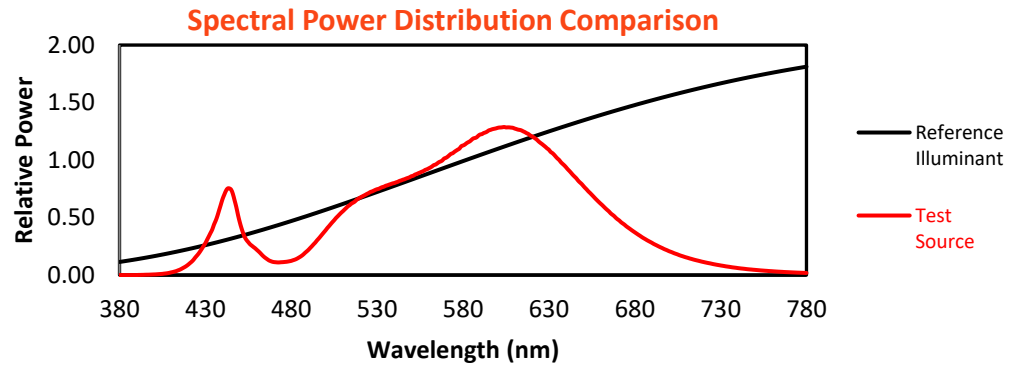
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938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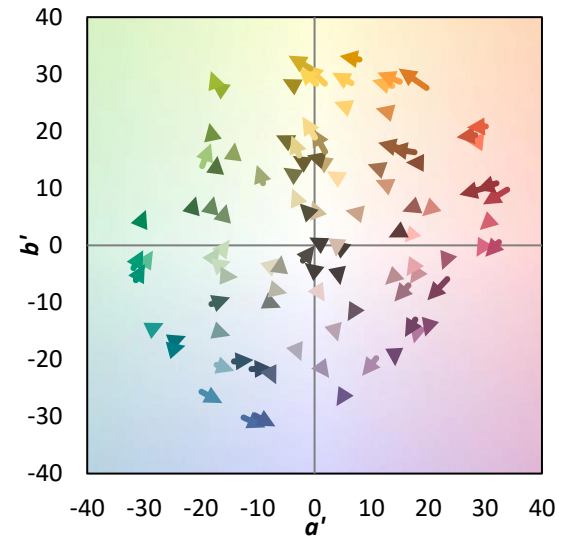
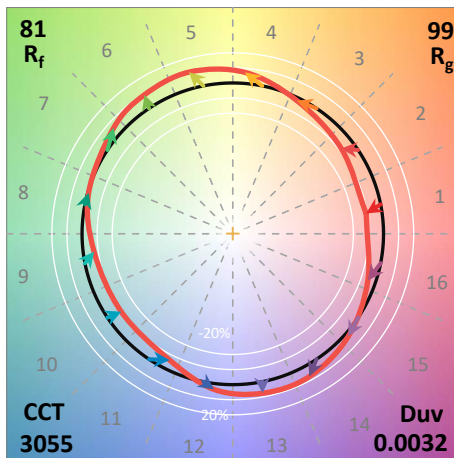
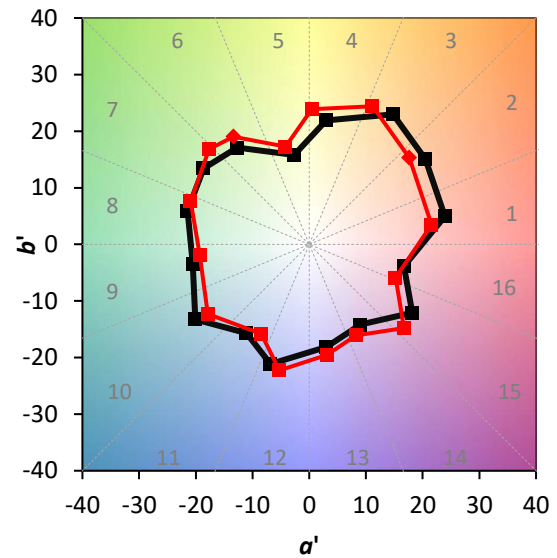
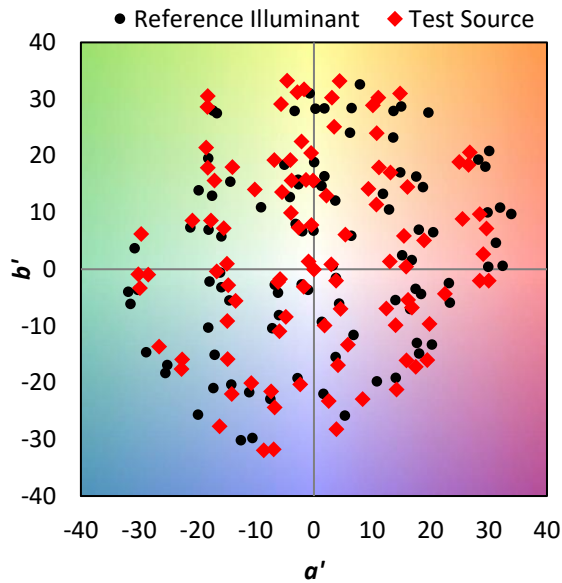
TM-30-18

Summary

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

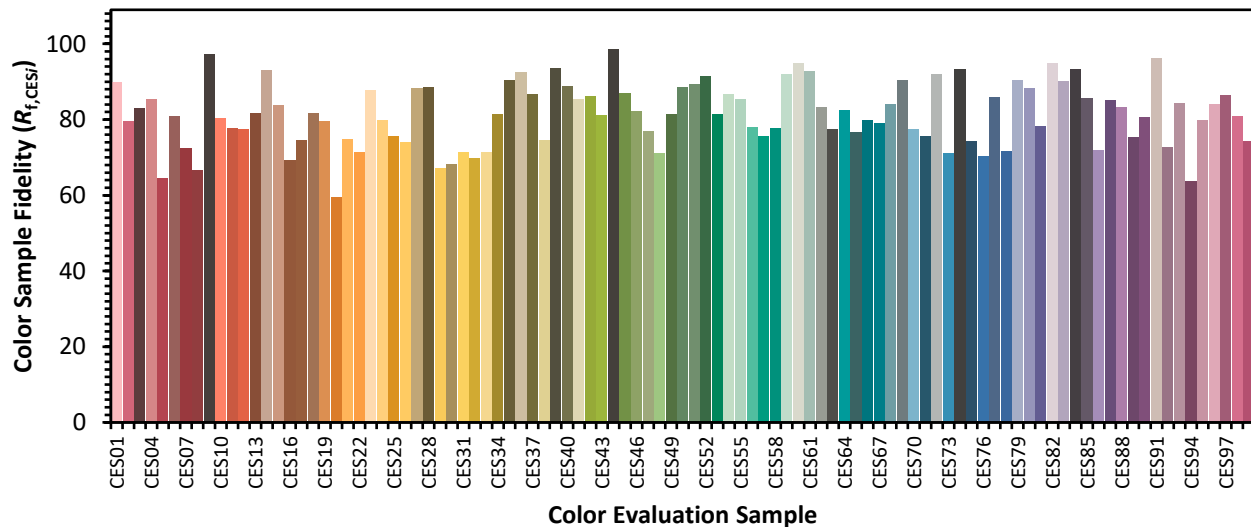


Color Vector Graphics

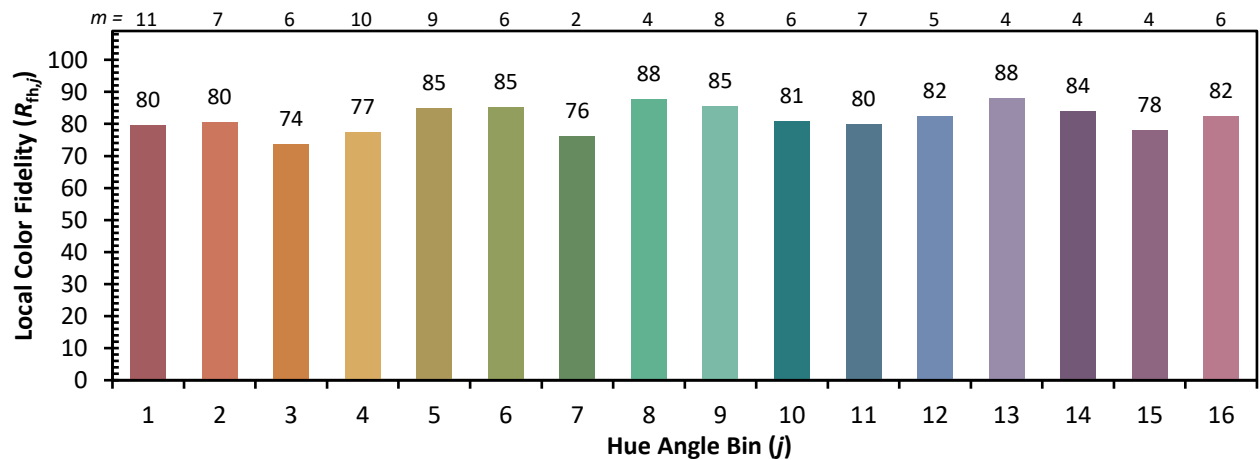
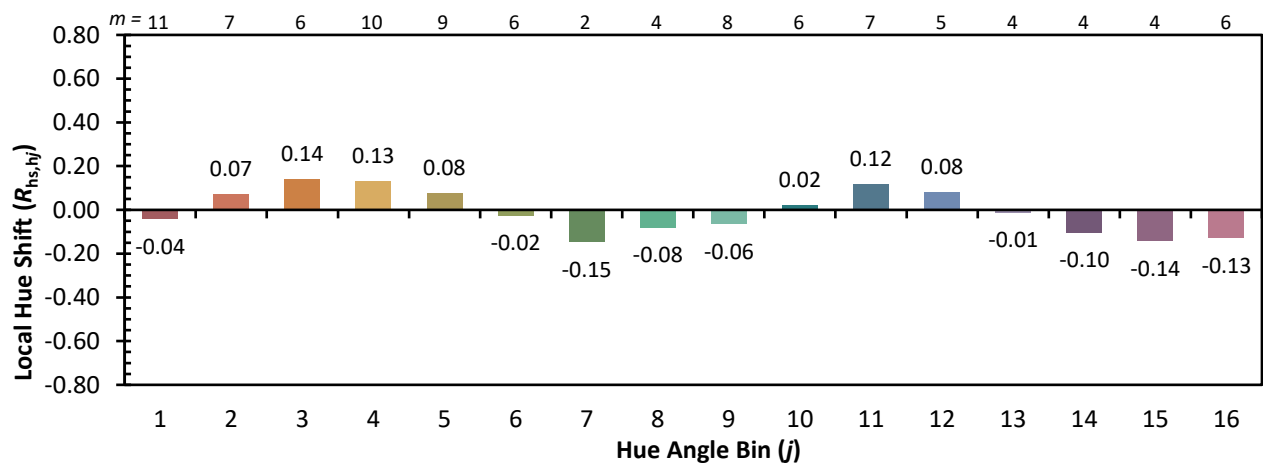
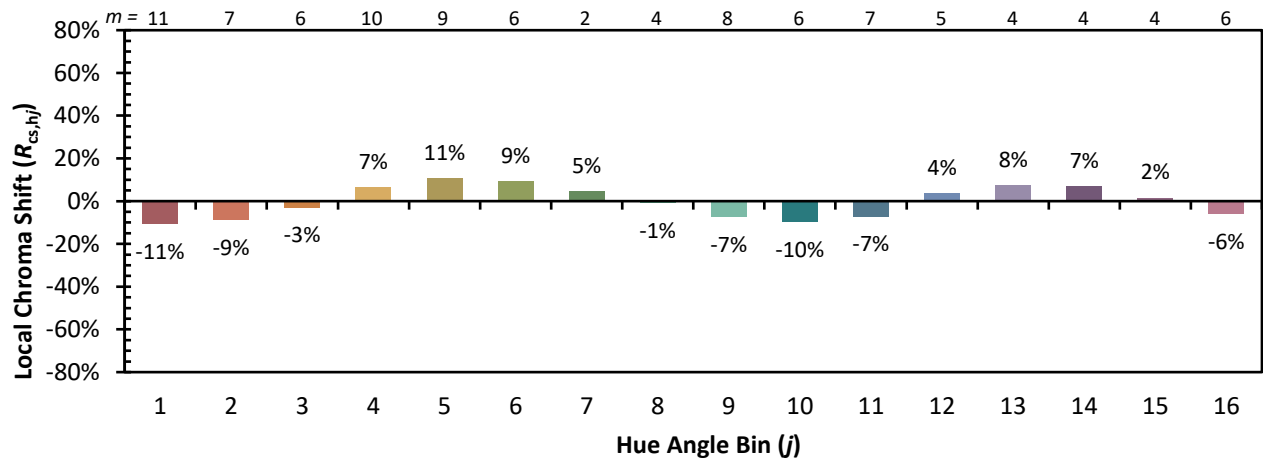


Individual Sample Fidelity Index ($R_{f,i}$)

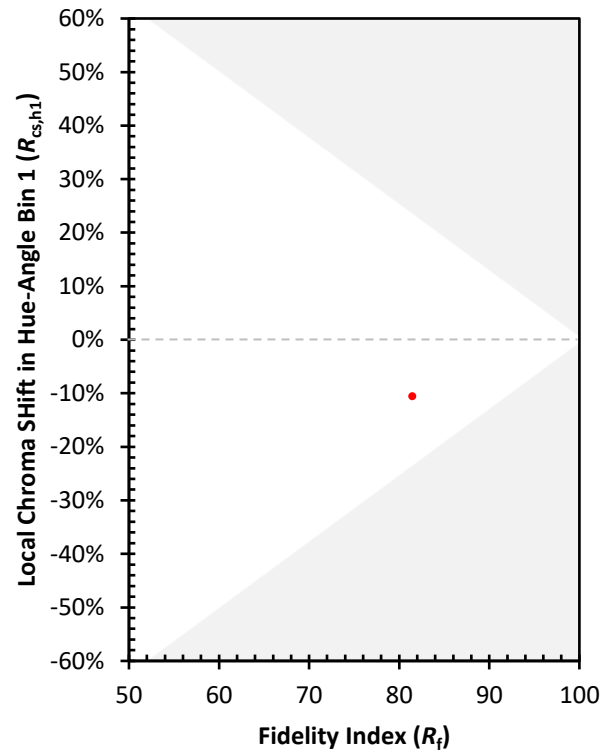
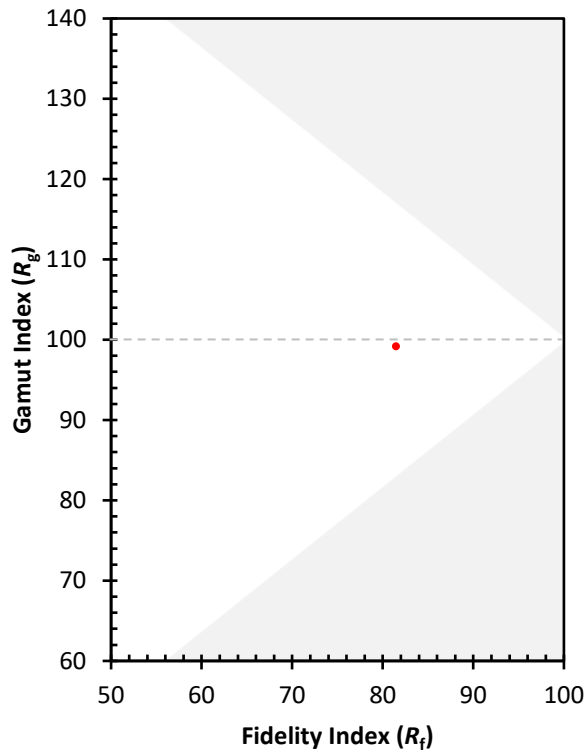
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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