

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: P1048019

Luminaire Tested: **GALN-SA9C-840-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048019
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9C-840-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 9xLight Square PACKAGE
80CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (126) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44836.7 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 417.1
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

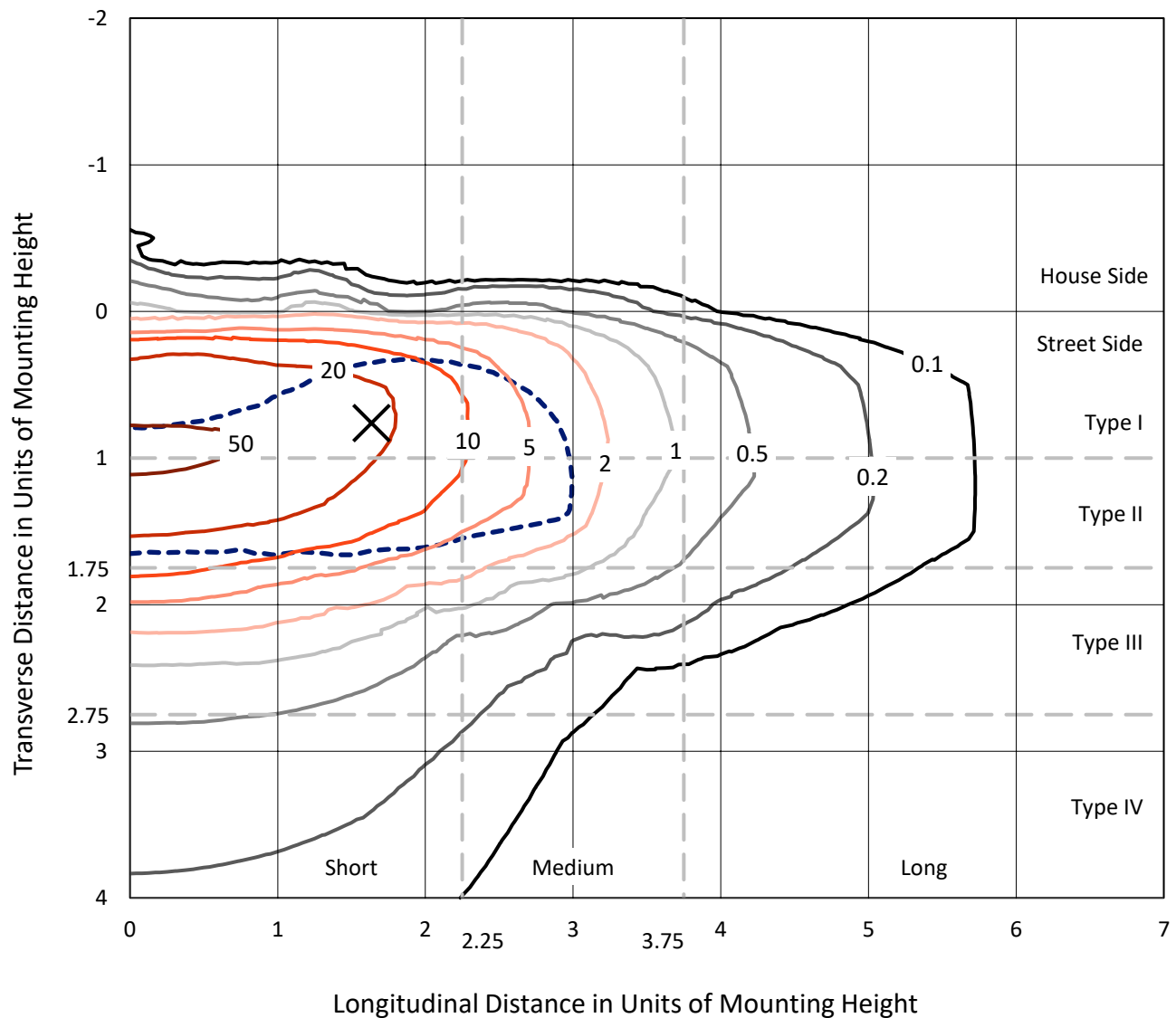


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

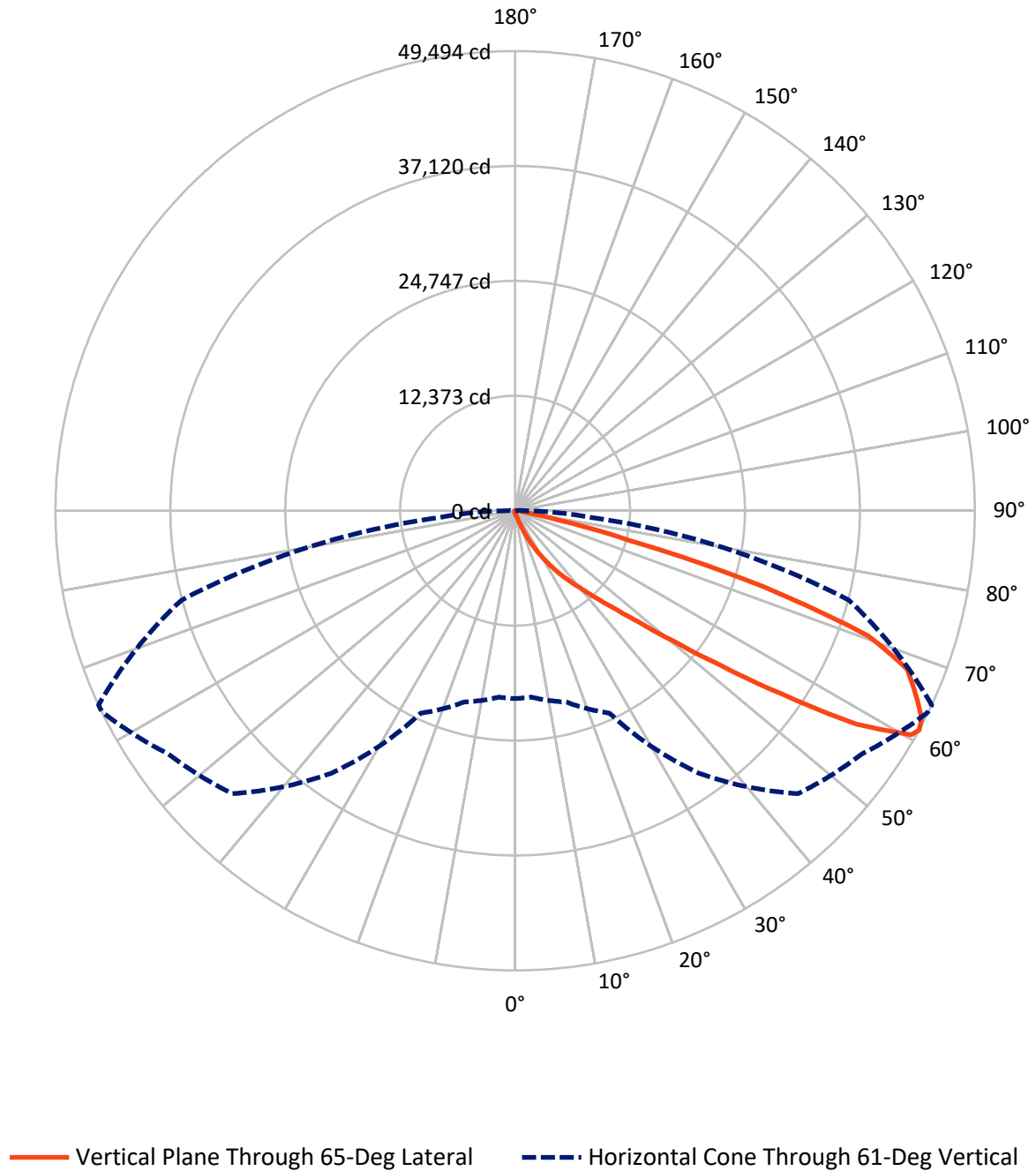


Based on 15 foot mounting height. Maximum calculated value = 59.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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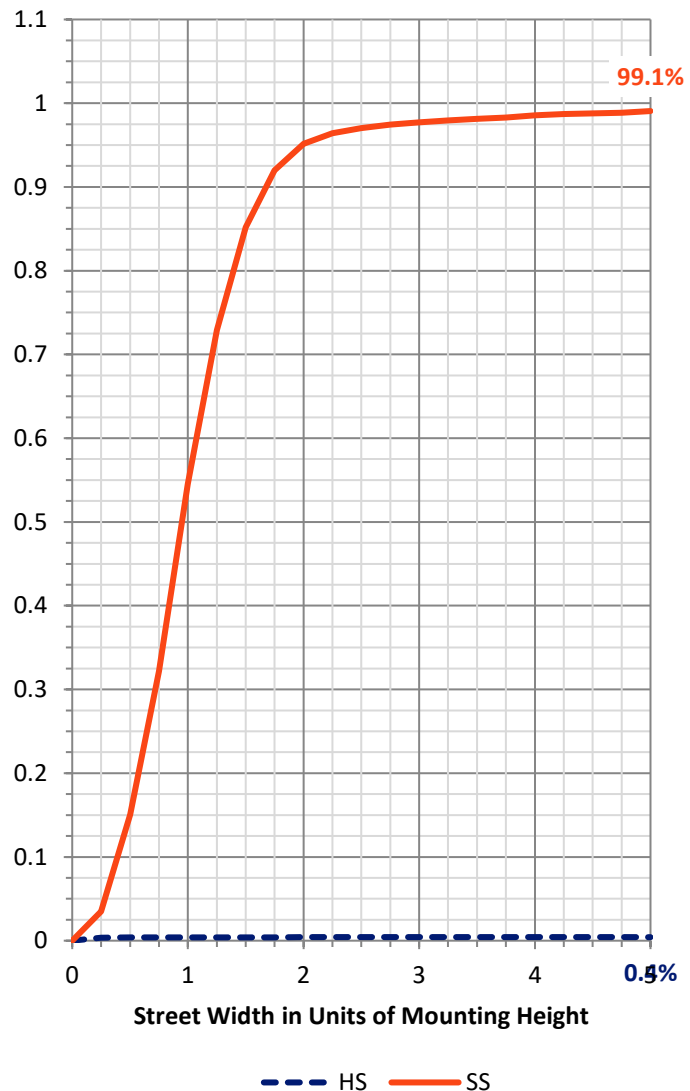
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	191.4	0.0	191.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	44645.3	0.0	44645.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	44836.7	0.0	44836.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	0.1
10°-20°	368.7	0.8
20°-30°	1323.2	3.0
30°-40°	3522.9	7.9
40°-50°	9254.5	20.6
50°-60°	14337.0	32.0
60°-70°	12021.4	26.8
70°-80°	3537.7	7.9
80°-90°	436.4	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°	44836.7	100.0
0°-180°	44836.7	100.0



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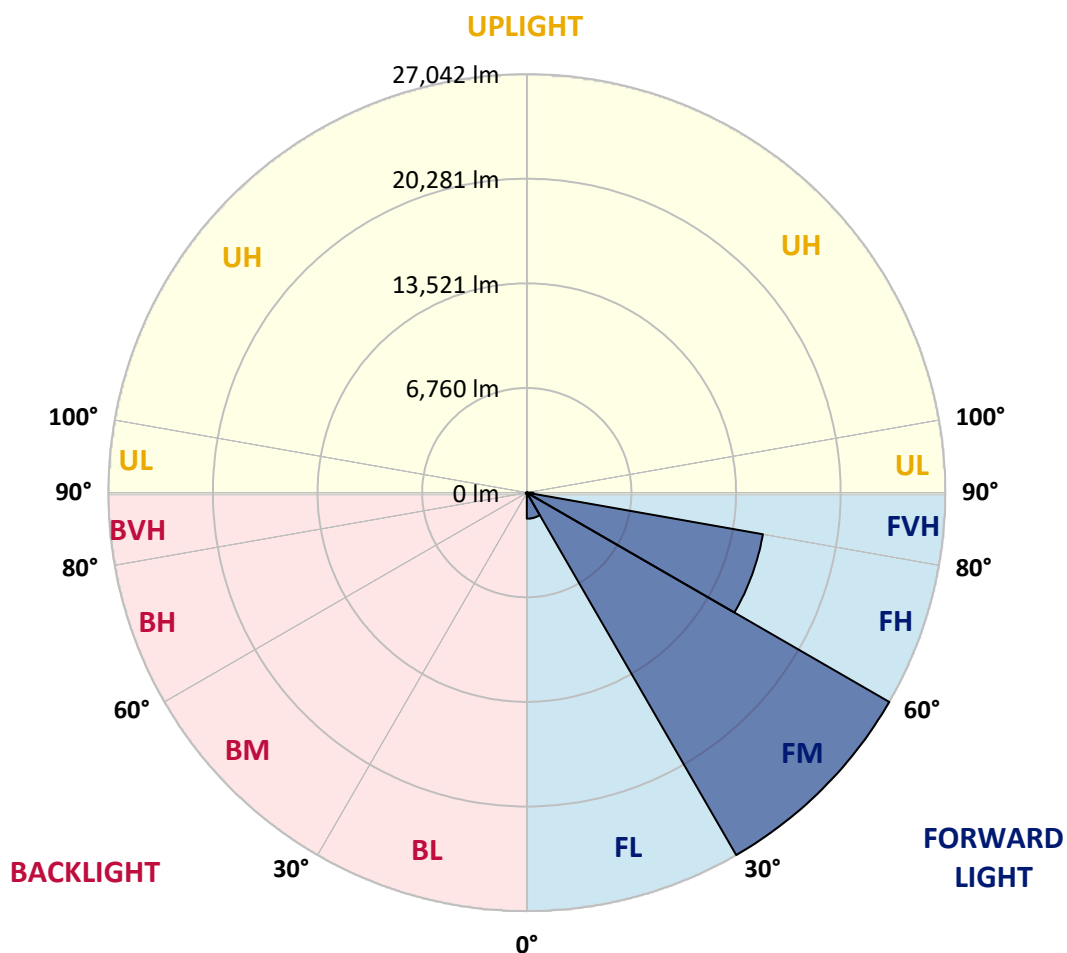
CATALOG NUMBER: GALN-SA9C-840-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1683.9	3.8			
FM	(30°-60°)	27041.6	60.3			
FH	(60°-80°)	15491.6	34.6			G5
FVH	(80°-90°)	428.3	1.0			G3/500
BL	(0°-30°)	42.9	0.1	B0/110		
BM	(30°-60°)	72.8	0.2	B0/220		
BH	(60°-80°)	67.5	0.2	B0/110		G0/110
BVH	(80°-90°)	8.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	333.1	336.2	330.0	317.7	308.4	308.4	305.3	296.1	296.1	286.8	280.7
5°	465.7	459.6	447.2	422.5	401.0	379.4	357.8	336.2	333.1	305.3	286.8
7.5°	761.8	768.0	727.9	650.8	586.0	502.7	425.6	379.4	373.2	326.9	289.9
10°	1671.7	1625.4	1532.9	1233.7	1014.7	764.9	567.5	441.1	434.9	351.6	296.1
12.5°	3047.3	3010.3	2840.6	2532.2	1967.8	1369.4	829.7	545.9	527.4	373.2	299.2
15°	4392.0	4333.4	4240.9	3929.4	3269.3	2455.1	1357.1	746.4	697.0	404.0	296.1
17.5°	5249.4	5258.7	5175.4	5042.8	4617.2	3633.3	2344.1	1113.4	1017.8	459.6	289.9
20°	5998.9	5977.3	6023.6	5952.7	5653.5	4937.9	3411.2	1764.2	1600.7	549.0	293.0
22.5°	6862.5	6915.0	6948.9	6933.5	6603.4	5992.8	4623.3	2640.1	2433.5	712.5	302.3
25°	8019.1	8013.0	8016.0	7976.0	7655.2	6976.6	5838.5	3728.9	3519.2	977.7	323.8
27.5°	9231.3	9268.3	9283.7	9138.7	8719.3	8053.1	6964.3	4919.4	4672.7	1403.3	351.6
30°	10887.5	10856.7	10785.7	10489.6	9980.7	9154.1	8074.6	6168.6	5909.5	1998.6	394.8
32.5°	13120.5	13086.6	12728.8	12075.0	11313.1	10301.5	9191.2	7420.8	7106.2	2741.9	453.4
35°	16800.1	16852.5	15973.5	14280.2	12913.9	11680.2	10428.0	8666.8	8389.2	3658.0	533.6
37.5°	22435.1	22148.2	20954.6	17962.9	15020.5	13401.2	11609.2	9925.2	9684.6	4786.8	638.4
40°	27909.7	27625.9	27280.5	24446.0	18681.5	15298.0	13262.4	11402.6	11091.1	6060.6	792.7
42.5°	33664.9	33507.6	33492.2	31354.8	25362.0	18280.5	15251.8	13132.9	12867.6	7457.8	1045.6
45°	37742.4	37585.1	37915.1	38288.3	34460.7	24671.2	18715.4	15381.3	14995.8	9154.1	1449.6
47.5°	38291.4	38297.5	39179.6	40348.6	41221.4	34556.3	23329.5	18360.7	17891.9	11581.5	2128.2
50°	36465.5	36536.4	37939.7	40030.9	42381.1	42849.9	31465.8	22684.9	21990.9	14459.1	3090.5
52.5°	32989.5	33069.7	35025.1	38464.1	41314.0	44842.4	41045.6	28341.5	27542.6	18049.2	4447.5
55°	29858.9	29908.3	32150.6	36496.3	40027.8	43759.8	46733.0	35894.9	34846.2	22465.9	5786.1
57.5°	26759.2	26645.1	28104.0	33078.9	39808.8	42430.5	47572.0	44503.1	43346.5	27292.8	6828.6
60°	22614.0	22422.7	23594.8	26759.2	36928.1	43303.3	46002.1	49265.2	49003.1	34013.5	7633.6
61°	20229.8	20149.6	21327.8	24042.0	34503.9	43081.2	45625.8	49465.7	49493.5	37193.4	7994.5
62.5°	14446.8	14675.0	16476.2	20004.6	28899.7	41640.9	45675.1	48845.8	49120.3	41418.8	8929.0
65°	6421.5	6788.5	8188.8	11060.2	16806.2	34639.6	45237.2	47485.6	47349.9	42578.5	12149.0
67.5°	3809.1	3864.6	4561.7	6267.3	8901.2	18632.1	39919.9	45687.5	45505.5	37066.9	15116.1
70°	3001.0	3028.8	3250.8	3932.5	5166.2	7137.0	22783.6	39528.2	40320.8	30056.3	14798.4
72.5°	2846.8	2840.6	2871.5	2991.8	3253.9	3540.8	8821.0	26275.0	27888.1	21645.5	12408.1
75°	2809.8	2797.4	2766.6	2720.3	2356.4	2085.0	2732.7	11621.6	12556.1	14789.1	9342.3
77.5°	2726.5	2729.6	2735.8	2609.3	2020.2	1474.3	1323.2	3728.9	4586.3	9385.5	6640.5
80°	1844.4	1872.2	1918.4	1869.1	1816.6	1067.2	934.5	1326.2	1344.7	5268.0	4385.8
82.5°	934.5	934.5	912.9	814.3	703.2	694.0	743.3	962.3	974.6	2664.8	2063.4
85°	564.4	595.3	607.6	552.1	505.8	465.7	567.5	764.9	792.7	1033.2	481.1
87.5°	126.5	129.5	141.9	188.1	274.5	373.2	527.4	700.1	712.5	663.1	58.6
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: P1048019

CATALOG NUMBER: GALN-SA9C-840-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	277.6	271.4	268.3	259.1	249.8	240.6	234.4	231.3	234.4	237.5	237.5
5°	274.5	265.2	249.8	234.4	222.1	209.7	197.4	194.3	194.3	197.4	197.4
7.5°	274.5	259.1	237.5	219.0	200.5	182.0	172.7	166.6	169.6	169.6	169.6
10°	274.5	256.0	228.2	200.5	178.9	157.3	141.9	135.7	135.7	135.7	135.7
12.5°	271.4	252.9	219.0	185.1	154.2	129.5	111.0	101.8	104.9	104.9	104.9
15°	265.2	243.7	206.6	157.3	123.4	98.7	80.2	70.9	74.0	80.2	83.3
17.5°	256.0	234.4	185.1	132.6	98.7	74.0	55.5	49.3	52.4	61.7	61.7
20°	252.9	225.2	163.5	107.9	74.0	52.4	37.0	30.8	33.9	46.3	49.3
22.5°	252.9	219.0	148.0	89.4	55.5	33.9	21.6	12.3	12.3	21.6	21.6
25°	256.0	215.9	135.7	74.0	40.1	24.7	12.3	6.2	12.3	33.9	40.1
27.5°	262.2	212.8	129.5	61.7	30.8	21.6	9.3	21.6	37.0	37.0	37.0
30°	268.3	206.6	120.3	52.4	27.8	15.4	15.4	30.8	30.8	37.0	40.1
32.5°	277.6	203.6	114.1	46.3	21.6	12.3	21.6	18.5	18.5	21.6	24.7
35°	296.1	206.6	107.9	46.3	21.6	15.4	18.5	9.3	6.2	6.2	6.2
37.5°	320.8	209.7	98.7	40.1	18.5	18.5	9.3	0.0	0.0	0.0	0.0
40°	360.9	219.0	92.5	37.0	15.4	15.4	3.1	0.0	0.0	0.0	0.0
42.5°	428.7	237.5	89.4	33.9	15.4	12.3	0.0	0.0	0.0	0.0	0.0
45°	564.4	280.7	83.3	30.8	15.4	6.2	0.0	0.0	0.0	0.0	0.0
47.5°	811.2	382.5	80.2	24.7	9.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	1184.4	518.2	77.1	21.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1511.3	545.9	52.4	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1548.3	376.3	40.1	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1233.7	243.7	33.9	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	934.5	185.1	30.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	897.5	166.6	30.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	990.1	145.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1610.0	120.3	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2797.4	104.9	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3534.6	98.7	18.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3081.2	89.4	18.5	6.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	1853.7	77.1	18.5	12.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	971.5	58.6	18.5	15.4	9.3	3.1	0.0	0.0	0.0	0.0	0.0
80°	471.9	52.4	21.6	15.4	12.3	6.2	0.0	0.0	0.0	0.0	0.0
82.5°	185.1	43.2	24.7	21.6	15.4	9.3	3.1	0.0	0.0	0.0	0.0
85°	83.3	37.0	27.8	24.7	21.6	12.3	3.1	0.0	0.0	0.0	0.0
87.5°	43.2	33.9	30.8	27.8	21.6	15.4	6.2	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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

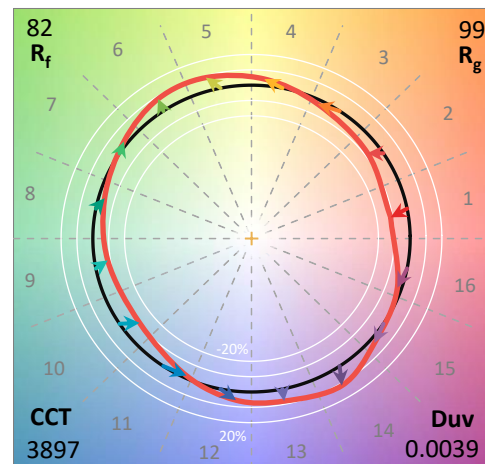
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-11
 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-840-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3897
 CIE u' : 0.2249
 CIE v' : 0.5084
 Duv: 0.0039
 CIE x: 0.3882
 CIE y: 0.3900
 CIE z: 0.2218
 Peak Wavelength (nm): 445
 Dominant Wavelength (nm): 577
 Purity: 33.54925
 R_f: 81.8
 R_g: 98.6

CRI (Ra): 80.2
 R1: 78.9
 R2: 83.5
 R3: 88.3
 R4: 82.1
 R5: 78.8
 R6: 78.4
 R7: 85.8
 R8: 65.8
 R9: 6.7
 R10: 61.9
 R11: 81.9
 R12: 58.9
 R13: 79.2
 R14: 93.2
 R15: 71.9



Test Conditions

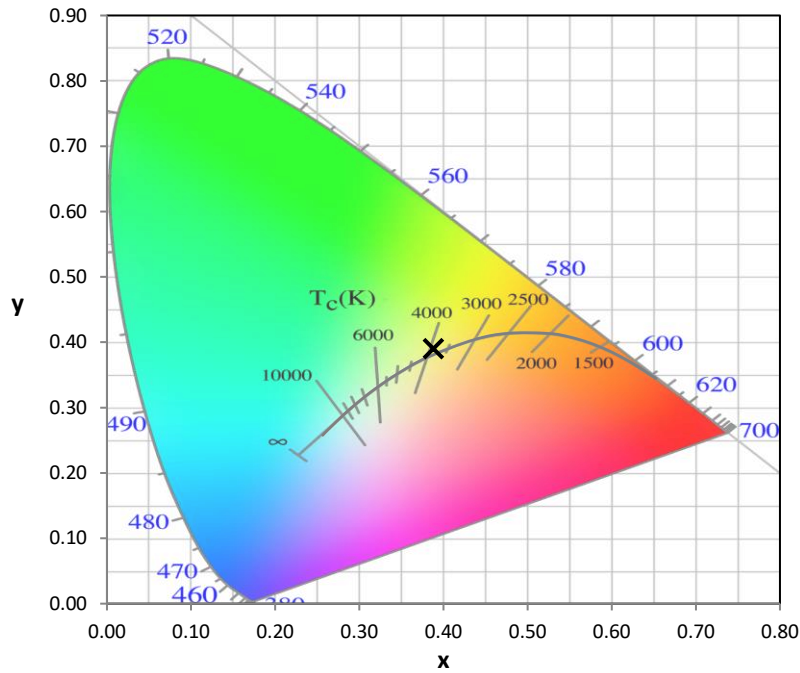
Stabilization Time: 24M
 Operation Time: 1H 24M
 Sphere Temperature (°C): 25.2

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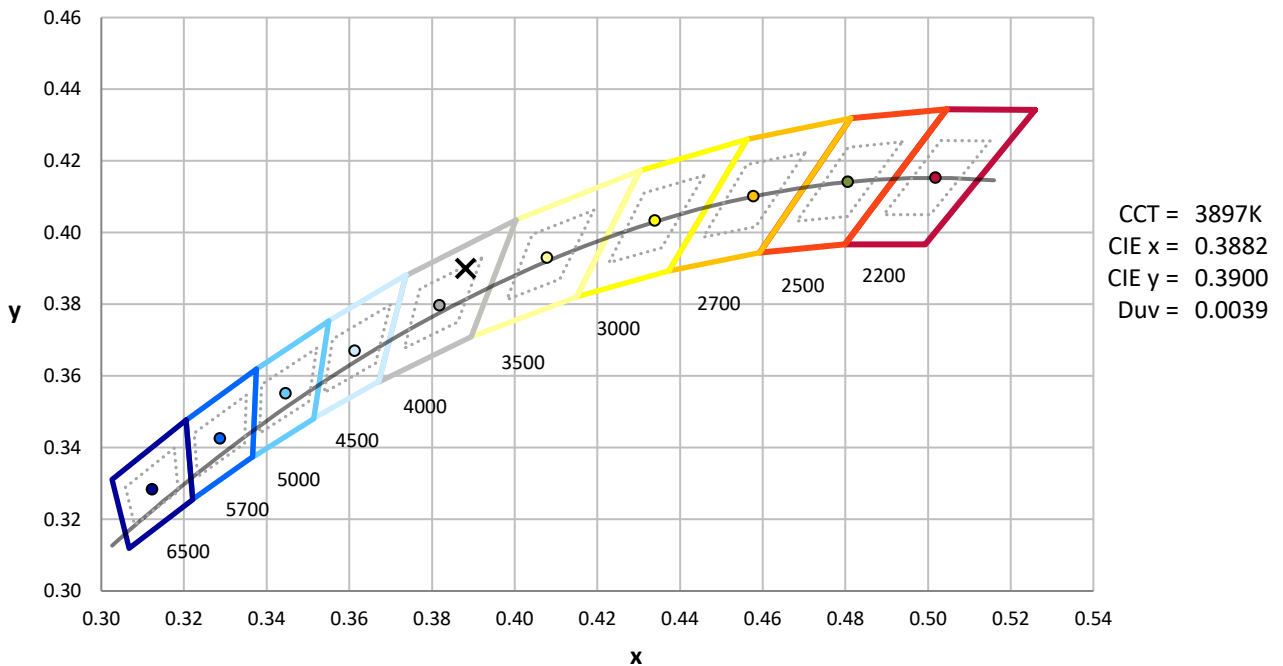
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



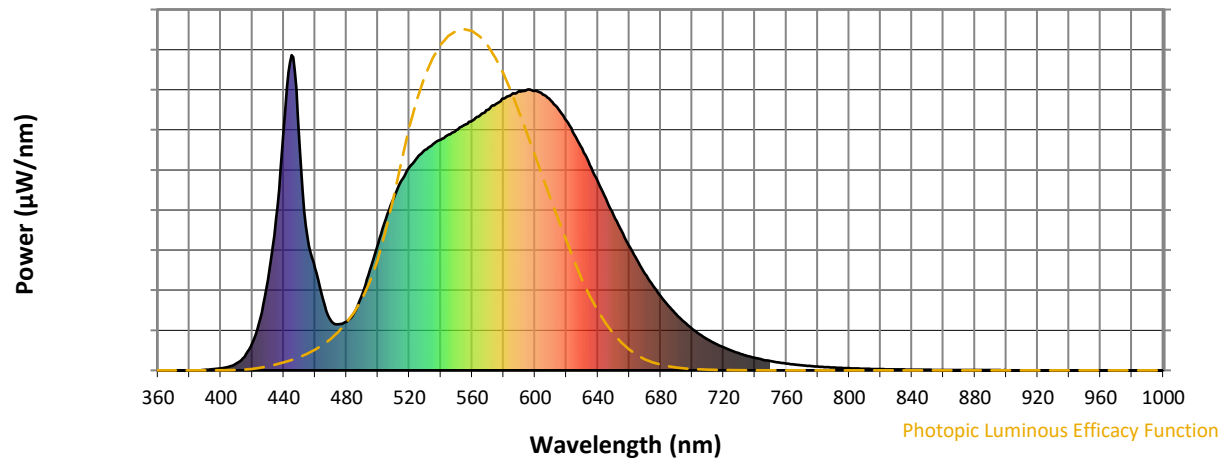
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

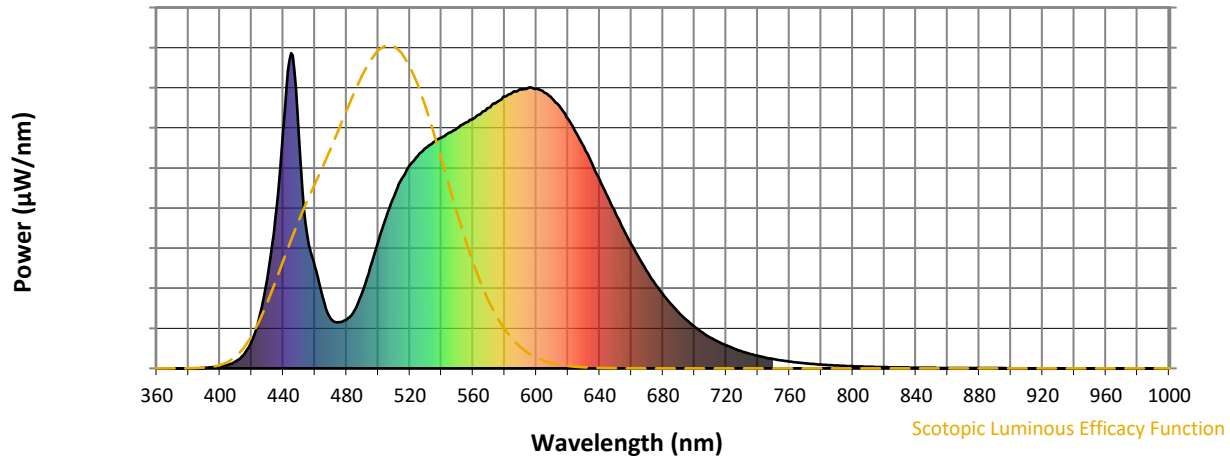


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



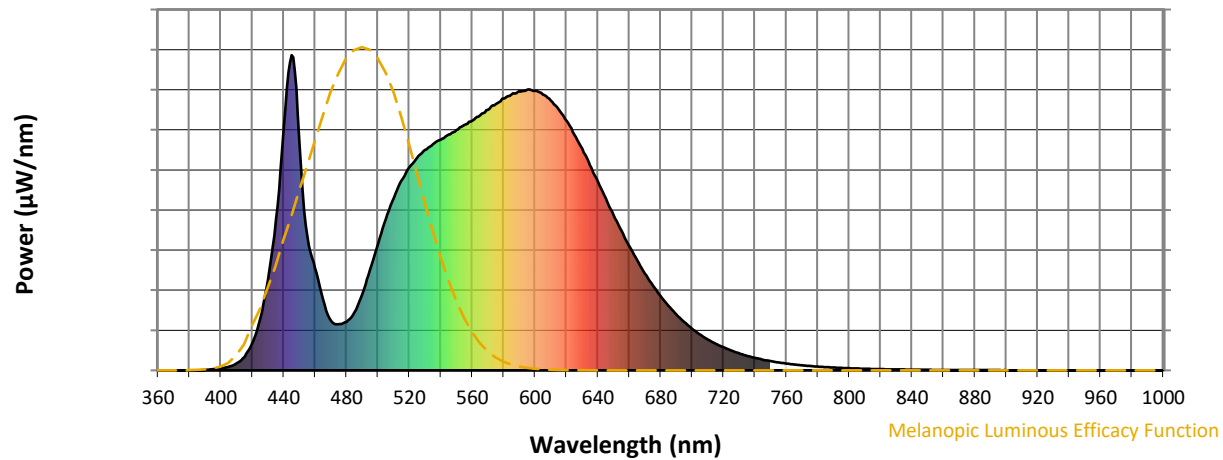
Scotopic Lumens: NR

S/P: 1.57

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.06

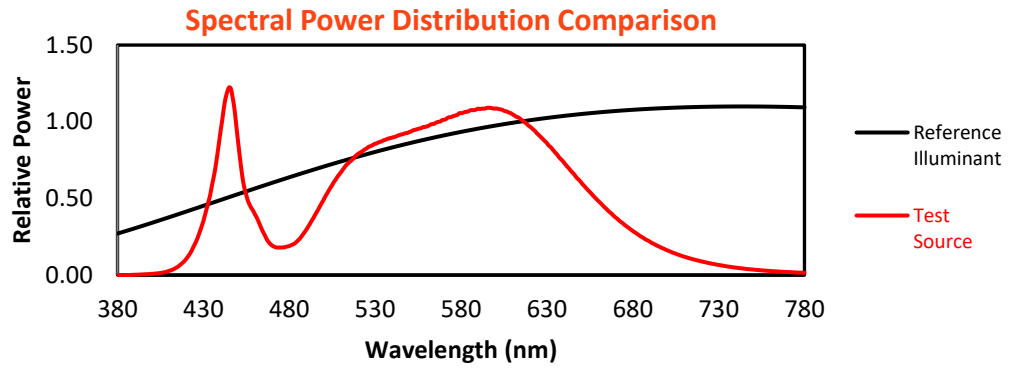
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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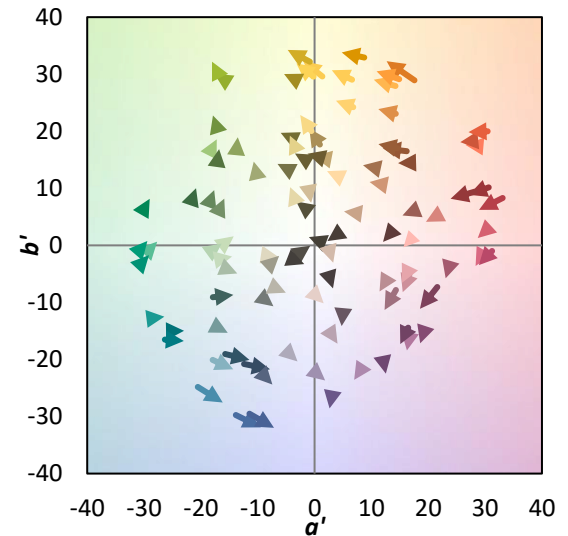
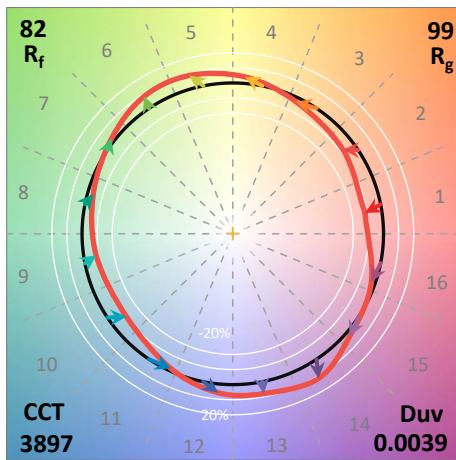
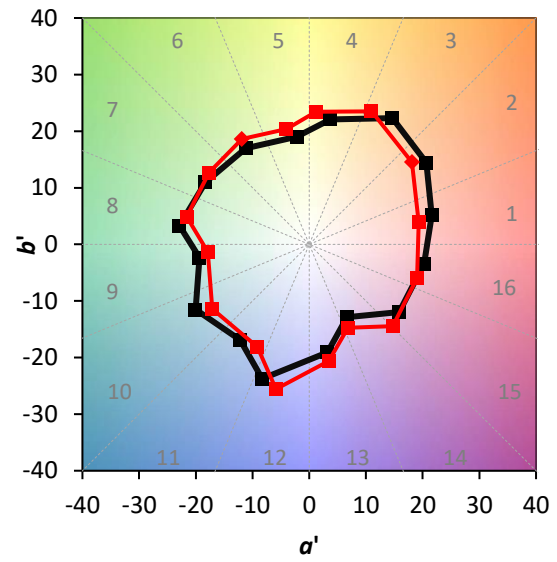
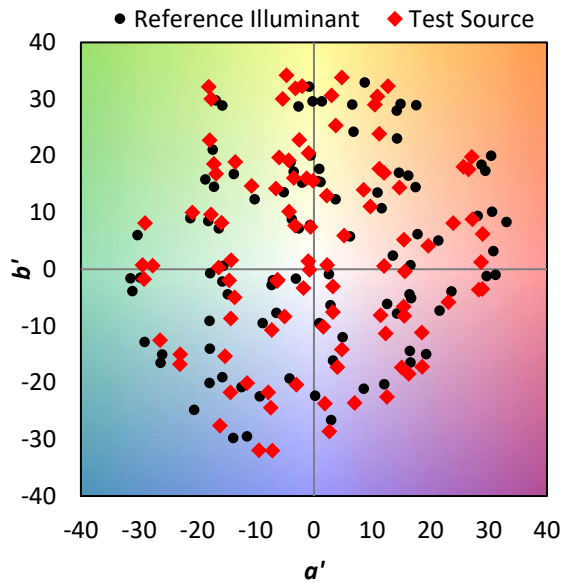
TM-30-18

Summary

$R_f = 81.8$
 $R_g = 98.6$
 CIE $R_a = 80.2$
 $R_9 = 6.7$

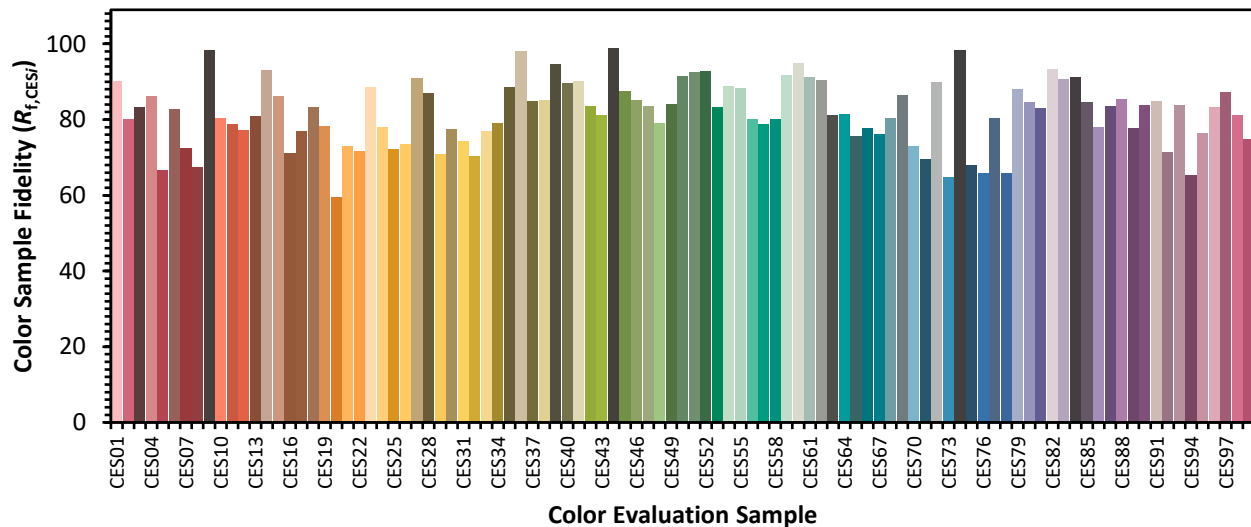


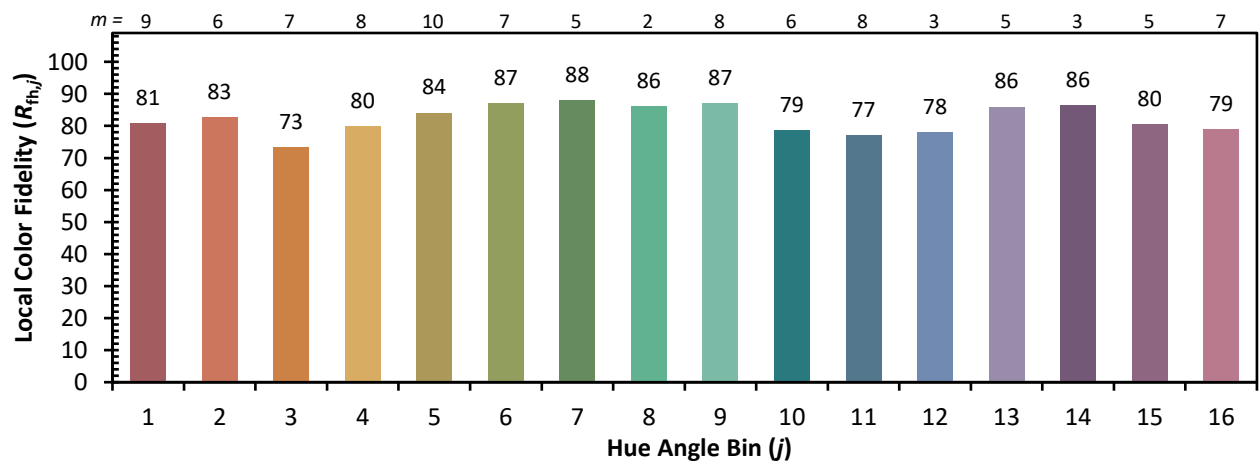
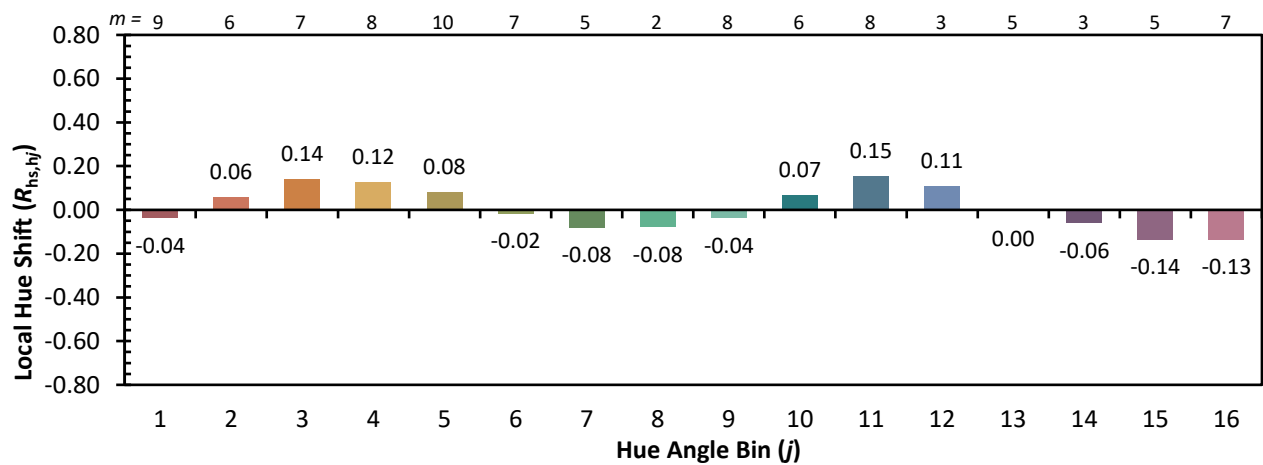
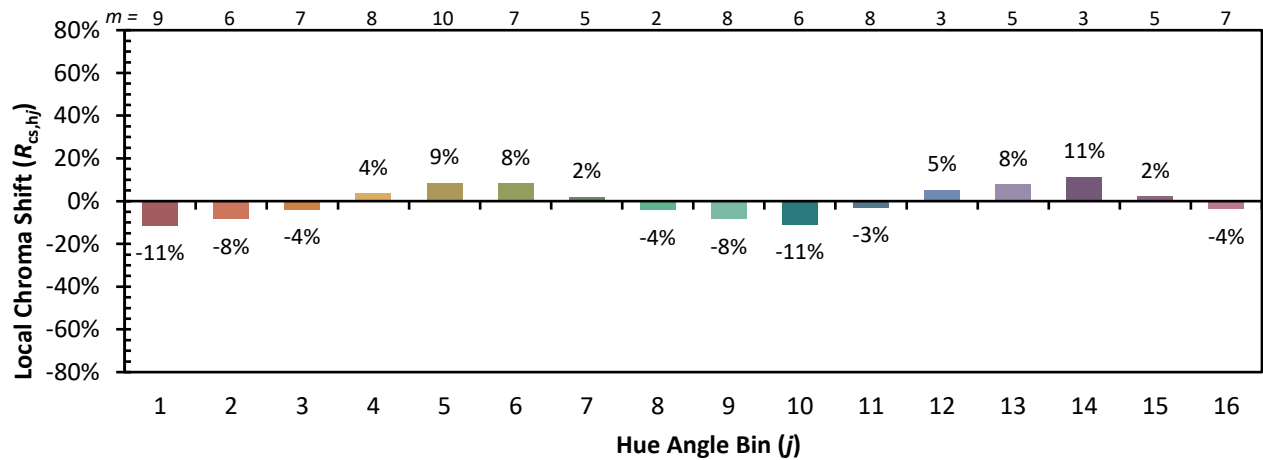
Color Vector Graphics

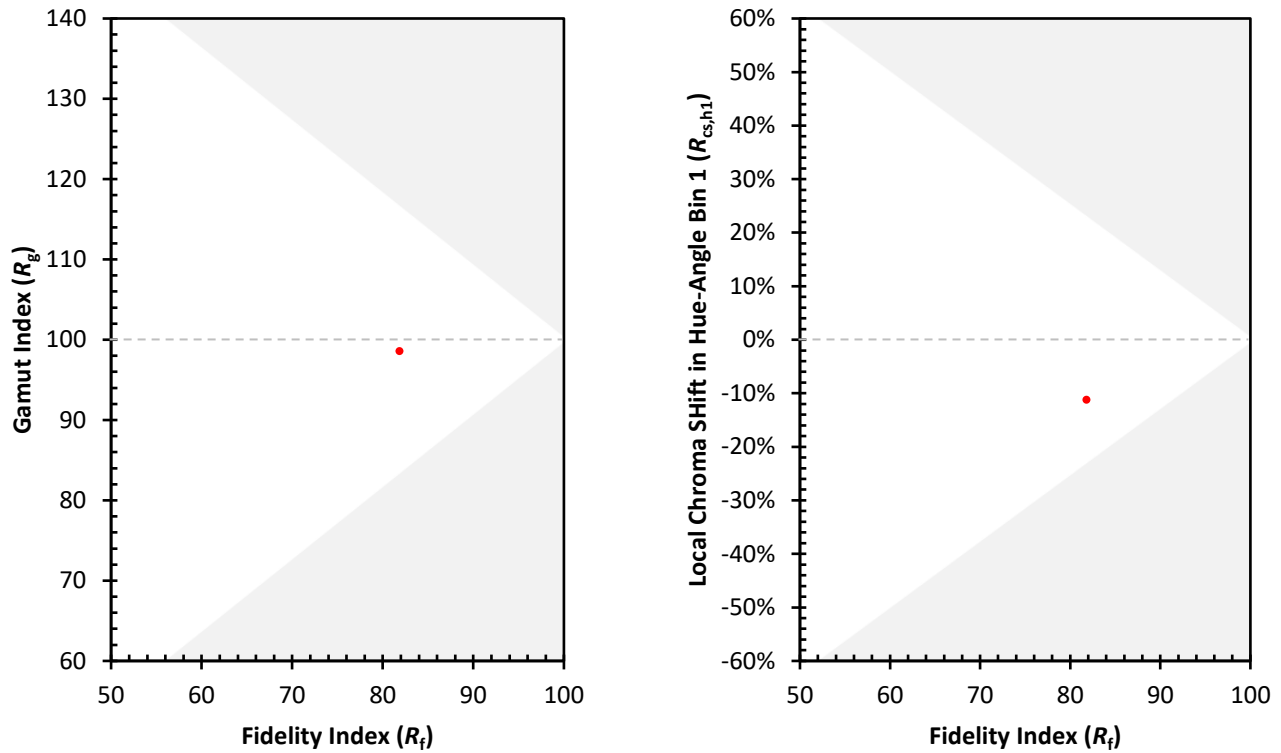


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)