

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: P1047279

Luminaire Tested: **GALN-SA4C-827-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047279
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4C-827-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20273.1 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 190.4
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

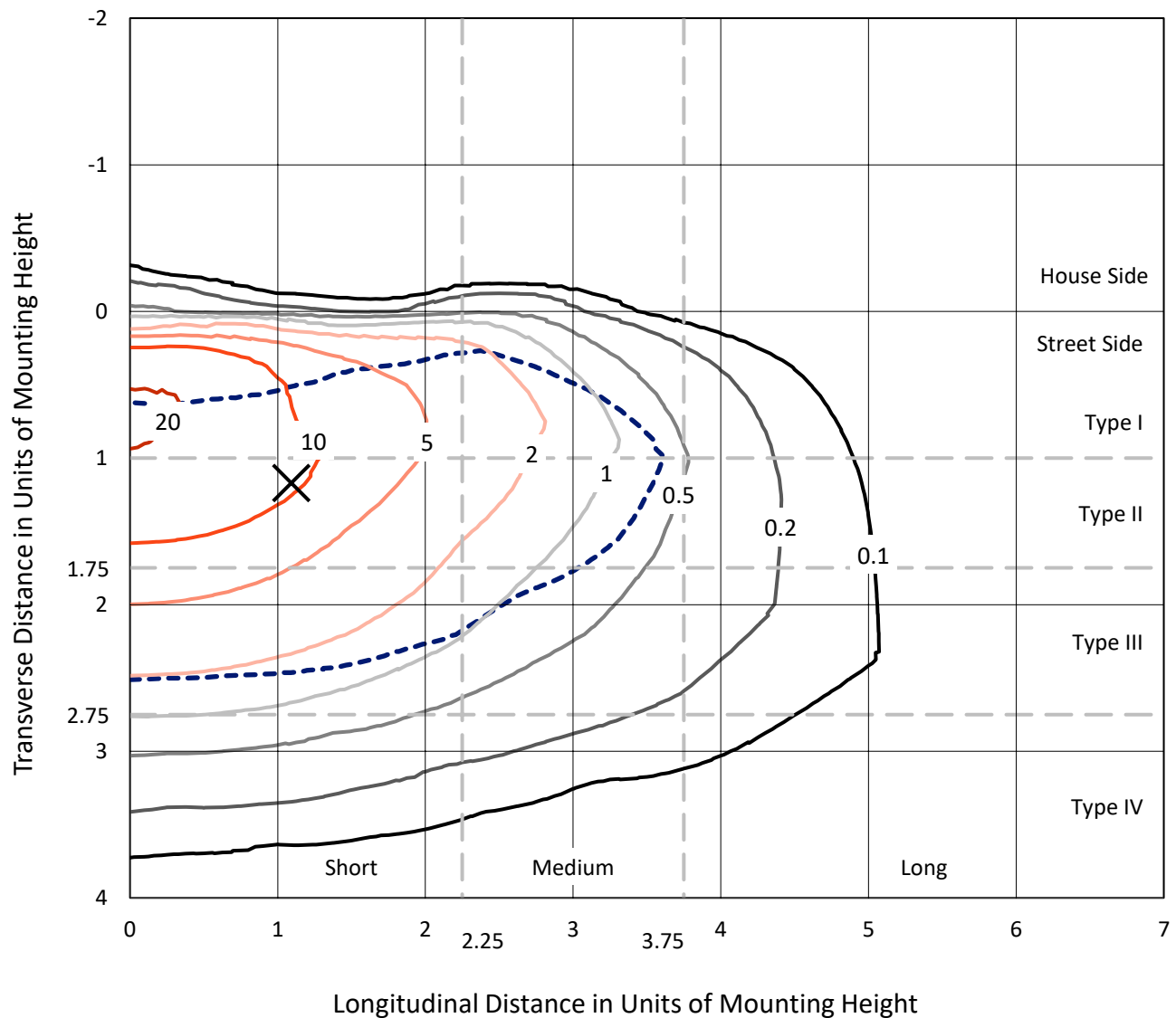


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

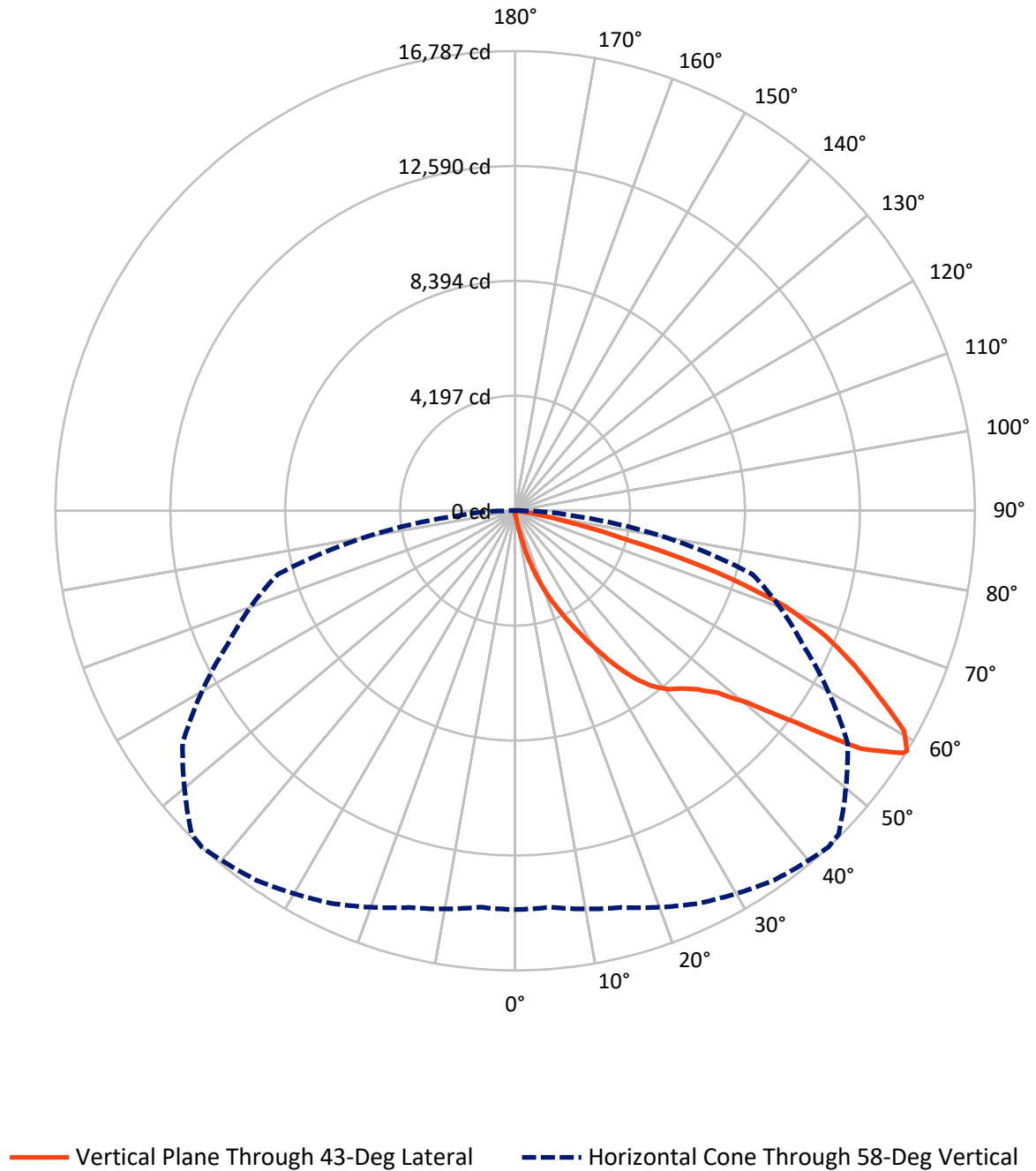


Based on 15 foot mounting height. Maximum calculated value = 22.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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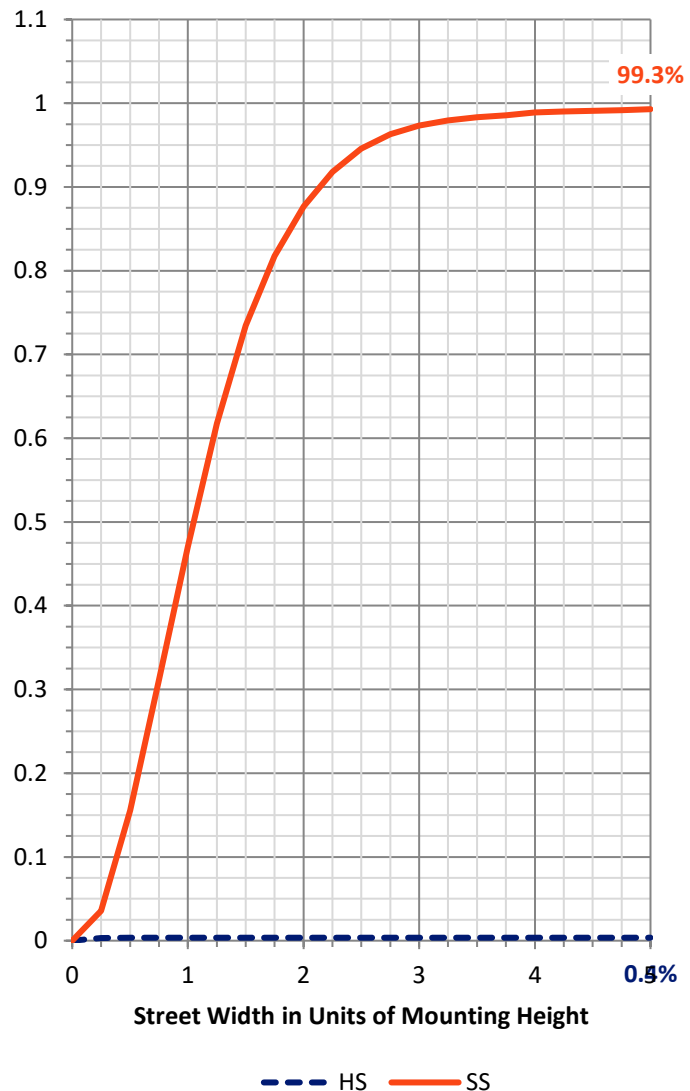
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	74.0	0.0	74.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20199.1	0.0	20199.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	20273.1	0.0	20273.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	0.1
10°-20°	233.0	1.1
20°-30°	839.9	4.1
30°-40°	1921.8	9.5
40°-50°	3241.3	16.0
50°-60°	5348.9	26.4
60°-70°	5978.1	29.5
70°-80°	2468.2	12.2
80°-90°	222.5	1.1
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°	20273.1	100.0
0°-180°	20273.1	100.0



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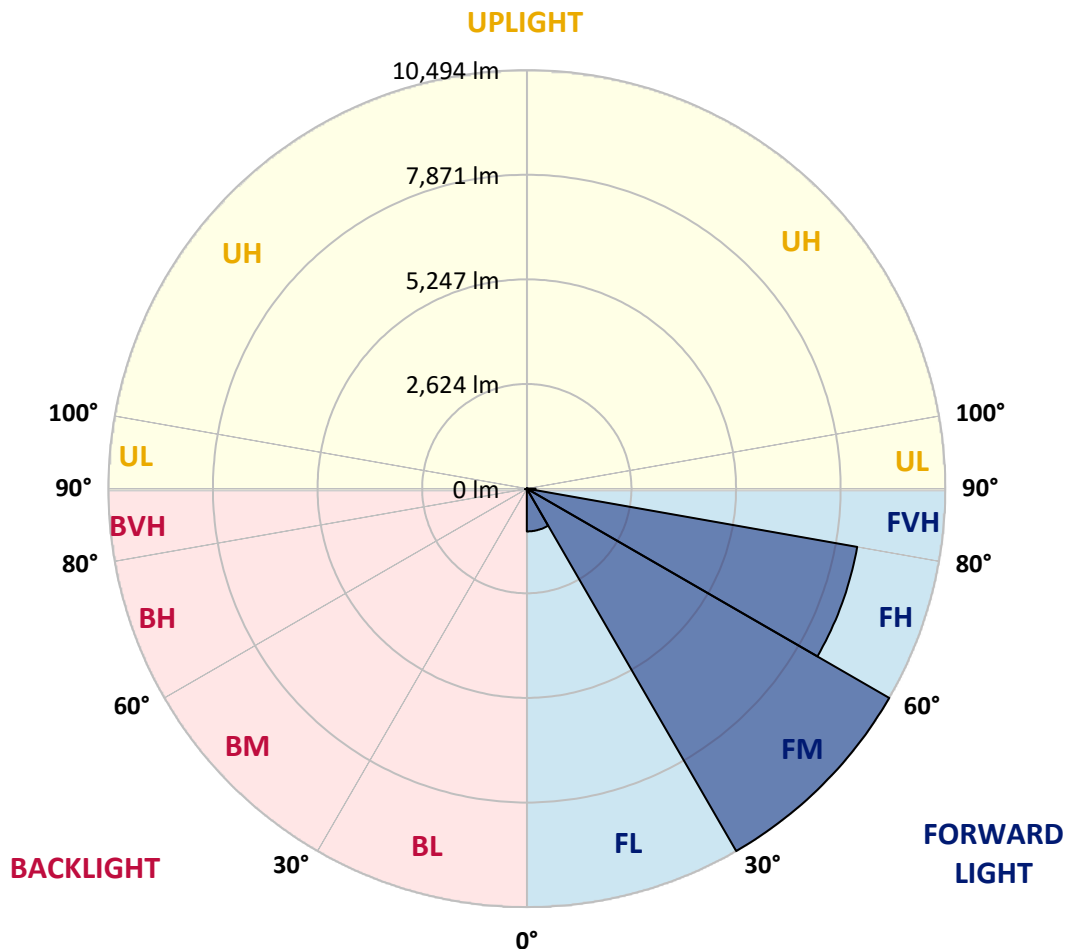
CATALOG NUMBER: GALN-SA4C-827-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1073.1	5.3			
FM	(30°-60°)	10494.2	51.8			
FH	(60°-80°)	8412.4	41.5			G4/12000
FVH	(80°-90°)	219.5	1.1			G2/225
BL	(0°-30°)	19.3	0.1	B0/110		
BM	(30°-60°)	17.7	0.1	B0/220		
BH	(60°-80°)	33.9	0.2	B0/110		G0/110
BVH	(80°-90°)	3.1	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6
2.5°	159.1	164.4	159.1	159.1	159.1	153.8	153.8	148.5	148.5	143.2	137.9
5°	233.3	233.3	217.4	206.8	196.2	190.9	185.6	175.0	164.4	153.8	143.2
7.5°	519.6	519.6	471.9	408.3	323.4	275.7	265.1	217.4	185.6	164.4	143.2
10°	1240.7	1240.7	1134.7	959.7	742.3	551.4	493.1	312.8	222.7	175.0	148.5
12.5°	2062.6	2089.1	1956.5	1733.8	1410.4	1076.4	959.7	572.6	296.9	190.9	148.5
15°	2799.6	2736.0	2698.9	2486.8	2179.2	1781.6	1633.1	965.0	429.5	217.4	148.5
17.5°	3298.0	3298.0	3245.0	3101.8	2820.8	2470.9	2348.9	1558.9	694.6	249.2	153.8
20°	3881.3	3881.3	3785.8	3685.1	3435.9	3138.9	3022.3	2216.3	1076.4	318.1	153.8
22.5°	4586.5	4597.1	4491.0	4310.7	4072.1	3743.4	3642.7	2826.1	1558.9	424.2	159.1
25°	5445.4	5456.0	5302.3	5132.6	4766.7	4411.5	4257.7	3526.0	2147.4	593.9	159.1
27.5°	6394.5	6468.8	6240.8	5949.1	5562.1	5116.7	5000.0	4157.0	2730.7	837.8	169.7
30°	7576.9	7576.9	7274.7	6866.4	6447.5	5896.1	5747.7	4819.8	3351.0	1161.2	180.3
32.5°	8595.0	8515.4	8128.4	7698.9	7253.5	6739.2	6580.1	5514.4	3987.3	1564.2	201.5
35°	9374.4	9305.5	8828.3	8367.0	7979.9	7508.0	7317.1	6267.3	4660.7	2020.2	233.3
37.5°	10042.5	10016.0	9369.1	8791.1	8536.6	8123.1	7953.4	6977.8	5323.5	2513.3	270.4
40°	10774.2	10689.4	10000.1	9284.3	8902.5	8568.5	8414.7	7550.4	5959.7	3091.2	323.4
42.5°	11399.9	11299.1	10678.8	9978.9	9326.7	8876.0	8727.5	8032.9	6580.1	3669.2	392.4
45°	12094.5	12041.4	11415.8	10885.5	10016.0	9294.9	9098.7	8420.0	7147.4	4358.5	482.5
47.5°	13139.0	13043.6	12460.3	12025.5	11018.1	9931.1	9650.1	8817.7	7693.6	5037.1	620.4
50°	14353.2	14289.6	13944.9	13600.3	12598.2	11018.1	10684.1	9390.3	8303.3	5843.1	800.6
52.5°	15344.7	15334.1	15376.6	15381.9	14623.6	12847.4	12349.0	10312.9	9003.2	6638.4	1055.1
55°	15323.5	15371.3	15837.9	16373.4	16431.7	15344.7	14862.2	11866.5	9915.2	7619.3	1410.4
57.5°	14750.9	14713.8	15206.9	16012.8	16580.2	16696.8	16617.3	14279.0	11288.5	8801.8	1956.5
58°	14565.3	14533.5	15000.1	15821.9	16474.1	16787.0	16707.4	14825.1	11596.0	8971.4	2105.0
60°	13891.9	13897.2	14172.9	14920.6	15572.7	16315.1	16389.3	16384.0	13128.4	10106.1	2852.6
62.5°	13001.1	12958.7	13213.2	13823.0	14395.6	14894.1	15021.3	16490.0	15371.3	11548.3	4278.9
65°	11771.0	11707.4	11977.8	12667.1	13282.2	13605.6	13610.9	15069.0	16426.4	13096.6	6315.0
67.5°	9485.7	9432.7	9973.6	10859.0	11808.1	12232.3	12423.2	13075.4	15535.6	14146.4	7481.5
70°	5811.3	5922.6	6675.5	8064.7	9687.2	10466.7	10753.0	10954.5	13229.1	13987.4	6256.7
72.5°	2682.9	2550.4	3192.0	4162.3	6012.8	7746.6	8043.5	8833.6	10487.9	12142.2	4666.0
75°	1251.3	1203.6	1352.1	1818.7	2725.4	4183.5	4724.3	7052.0	8043.5	8446.5	3366.9
77.5°	641.6	646.9	768.8	827.2	1124.1	1935.3	2221.6	4639.5	5896.1	4713.7	2258.8
80°	281.0	291.6	296.9	323.4	456.0	747.6	843.1	2152.7	4029.7	2401.9	1235.4
82.5°	180.3	185.6	185.6	185.6	217.4	296.9	339.3	864.3	2009.6	1193.0	381.8
85°	95.4	95.4	106.0	132.6	153.8	180.3	190.9	275.7	662.8	355.3	90.1
87.5°	53.0	58.3	63.6	79.5	100.7	122.0	132.6	190.9	254.5	243.9	21.2
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: P1047279

CATALOG NUMBER: GALN-SA4C-827-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6	132.6
2.5°	137.9	132.6	127.3	122.0	116.6	111.3	111.3	111.3	111.3	111.3	111.3
5°	132.6	127.3	122.0	111.3	100.7	95.4	90.1	84.8	84.8	84.8	84.8
7.5°	132.6	127.3	111.3	100.7	90.1	79.5	68.9	68.9	68.9	68.9	68.9
10°	132.6	122.0	106.0	90.1	74.2	63.6	58.3	53.0	53.0	53.0	53.0
12.5°	132.6	116.6	100.7	79.5	63.6	53.0	47.7	42.4	42.4	42.4	42.4
15°	132.6	116.6	95.4	74.2	58.3	42.4	37.1	31.8	31.8	31.8	31.8
17.5°	127.3	111.3	90.1	63.6	47.7	31.8	26.5	21.2	21.2	26.5	26.5
20°	122.0	106.0	79.5	53.0	37.1	26.5	15.9	15.9	15.9	15.9	15.9
22.5°	122.0	106.0	74.2	47.7	31.8	15.9	10.6	10.6	10.6	10.6	15.9
25°	122.0	100.7	63.6	37.1	21.2	10.6	5.3	5.3	5.3	5.3	5.3
27.5°	122.0	100.7	58.3	31.8	15.9	10.6	5.3	0.0	0.0	0.0	0.0
30°	116.6	95.4	53.0	26.5	10.6	5.3	0.0	0.0	0.0	0.0	0.0
32.5°	116.6	90.1	42.4	21.2	10.6	5.3	0.0	0.0	0.0	0.0	0.0
35°	122.0	84.8	37.1	15.9	5.3	0.0	0.0	0.0	0.0	0.0	5.3
37.5°	127.3	79.5	31.8	10.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	132.6	74.2	31.8	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	143.2	74.2	26.5	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	153.8	74.2	21.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	175.0	79.5	21.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	190.9	84.8	15.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	212.1	79.5	15.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	238.6	79.5	15.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	259.8	74.2	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	270.4	68.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	323.4	63.6	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	503.7	53.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1023.3	47.7	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1908.8	42.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2136.8	47.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1346.8	37.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	710.5	37.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	355.3	37.1	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	164.4	26.5	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	68.9	15.9	10.6	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.8	15.9	10.6	10.6	5.3	5.3	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	15.9	15.9	10.6	10.6	5.3	5.3	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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

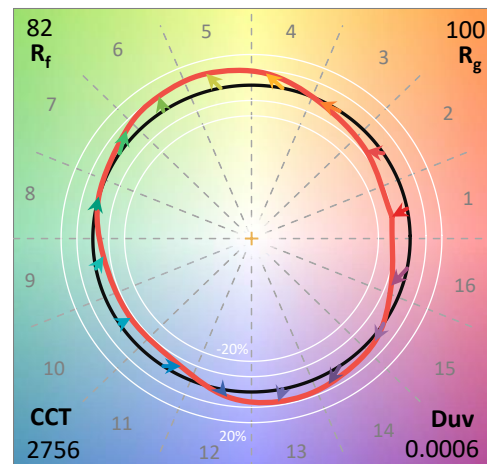
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 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-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

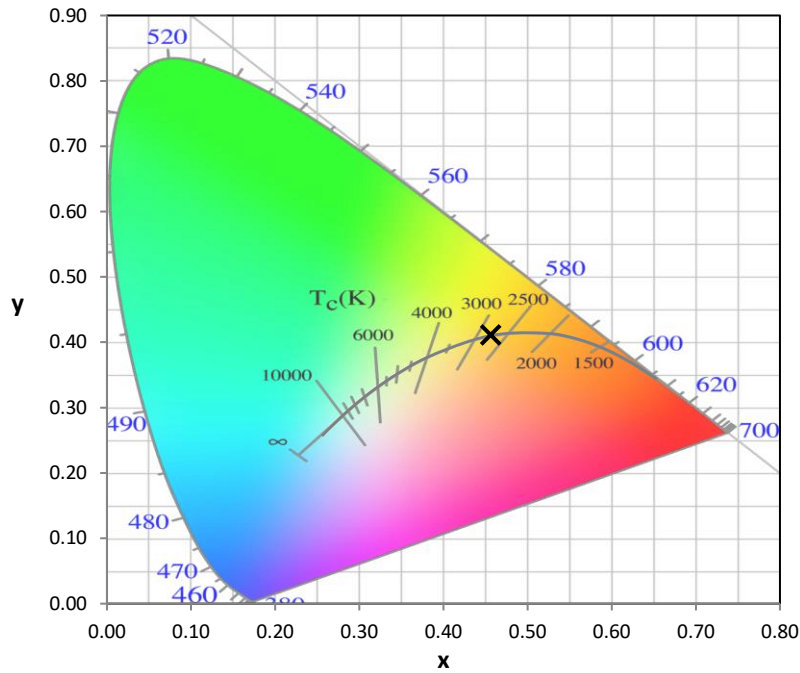
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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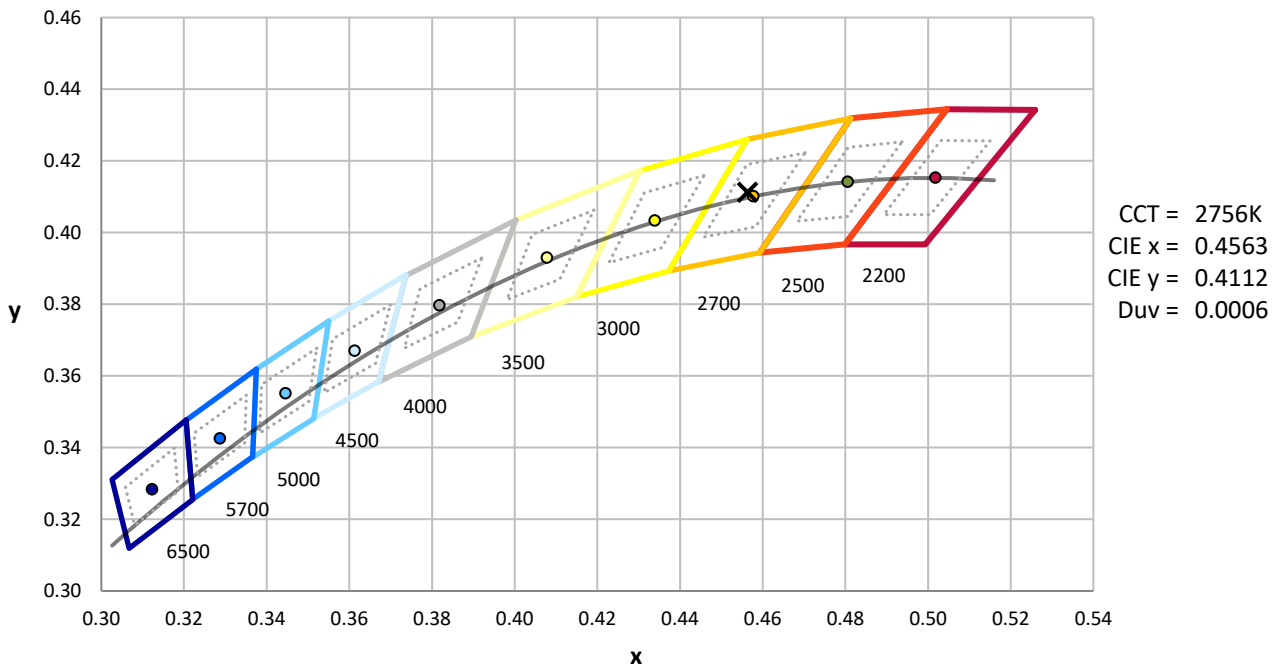
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

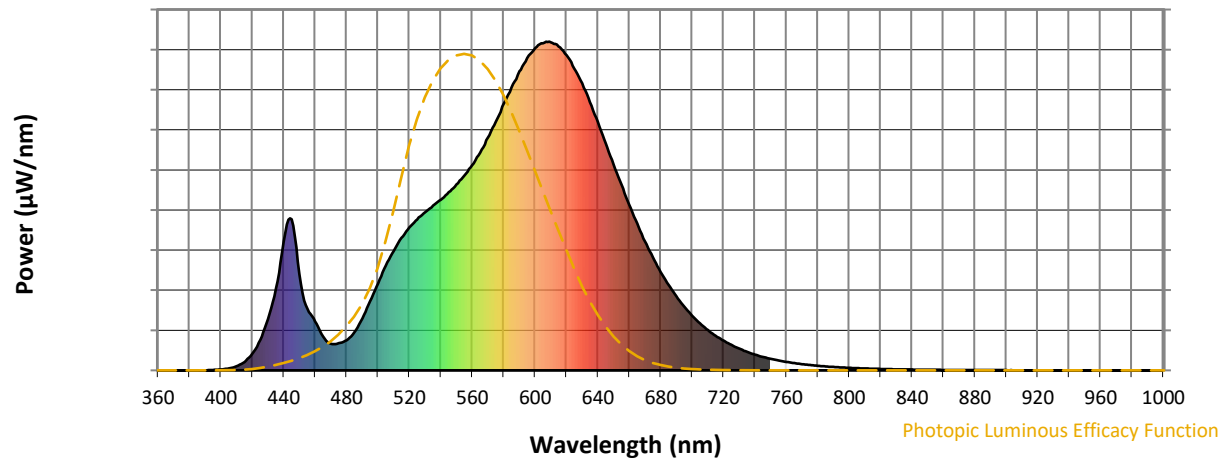


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

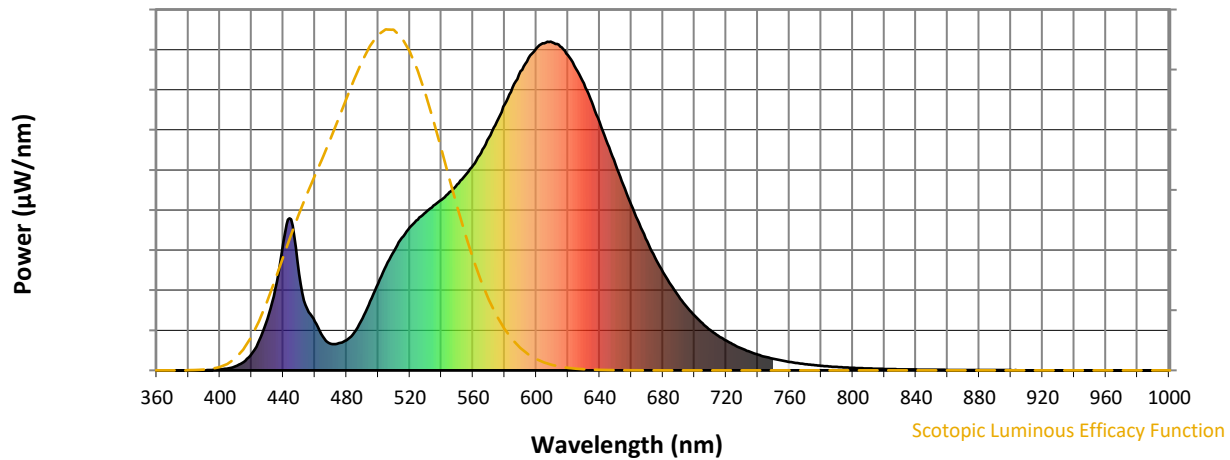


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



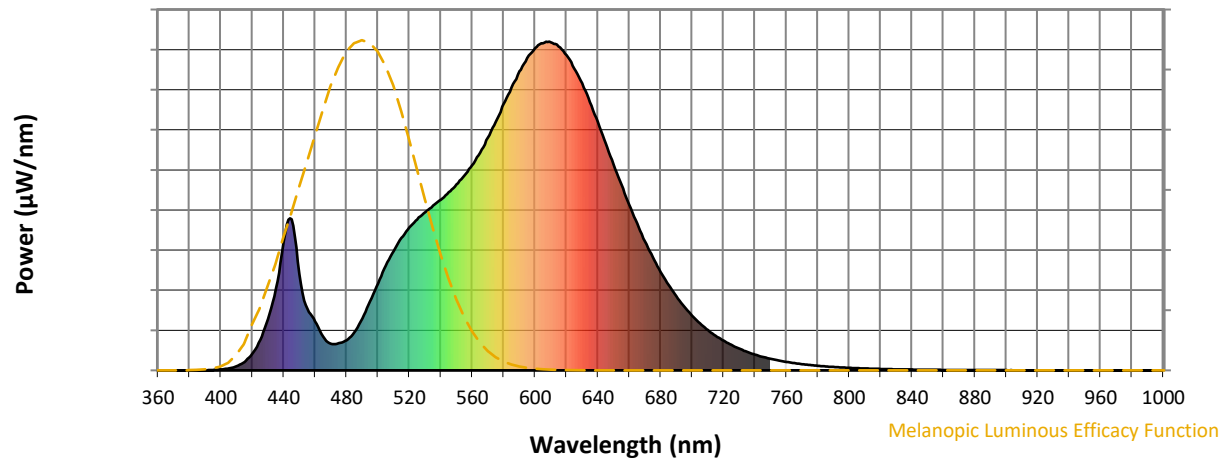
Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.16

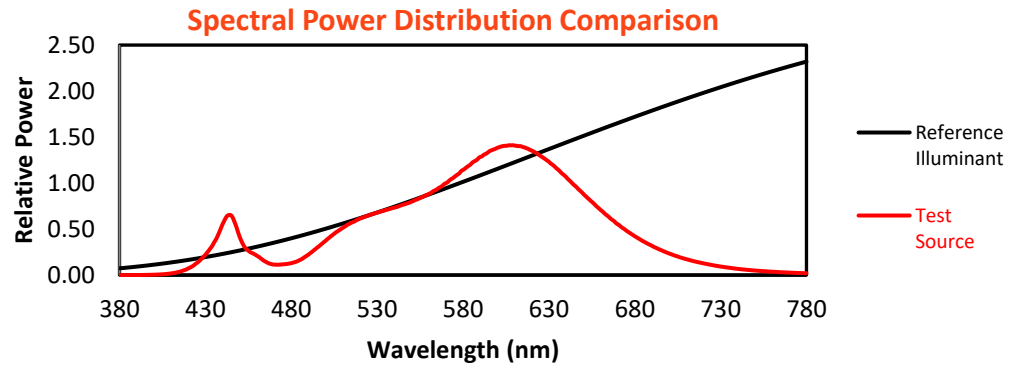
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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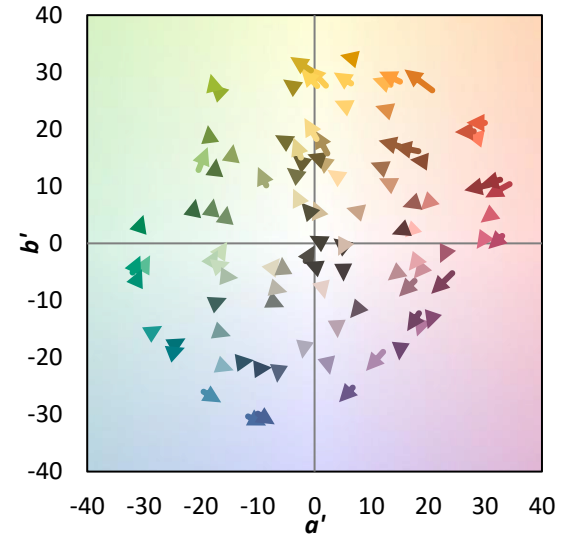
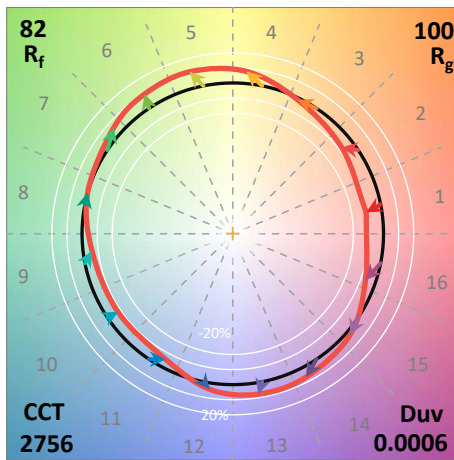
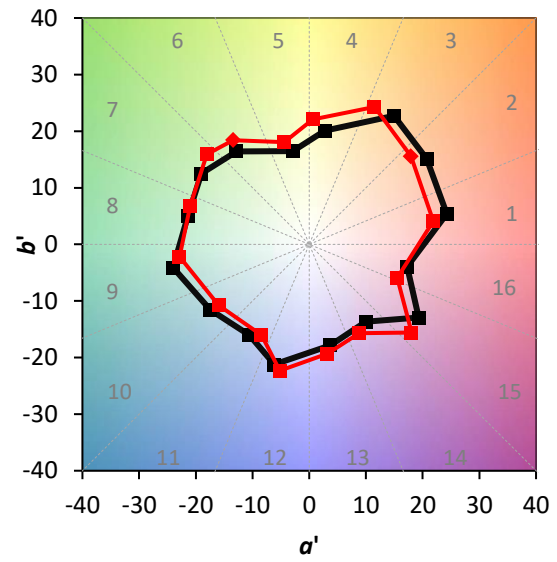
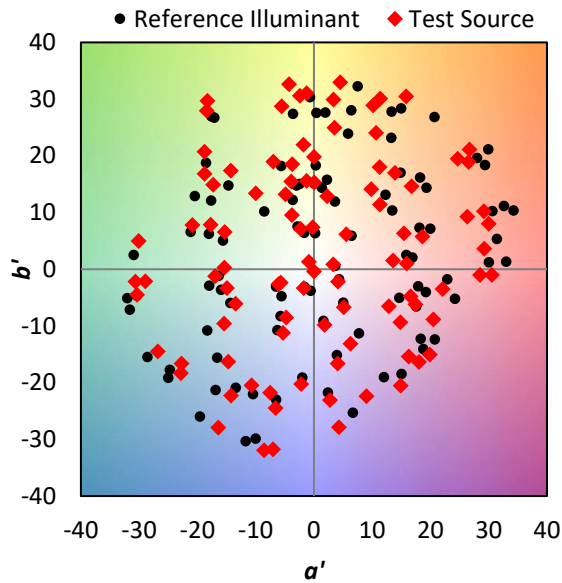
TM-30-18

Summary

$R_f = 82.2$
 $R_g = 99.9$
 $CIE R_a = 82.9$
 $R_9 = 10.8$

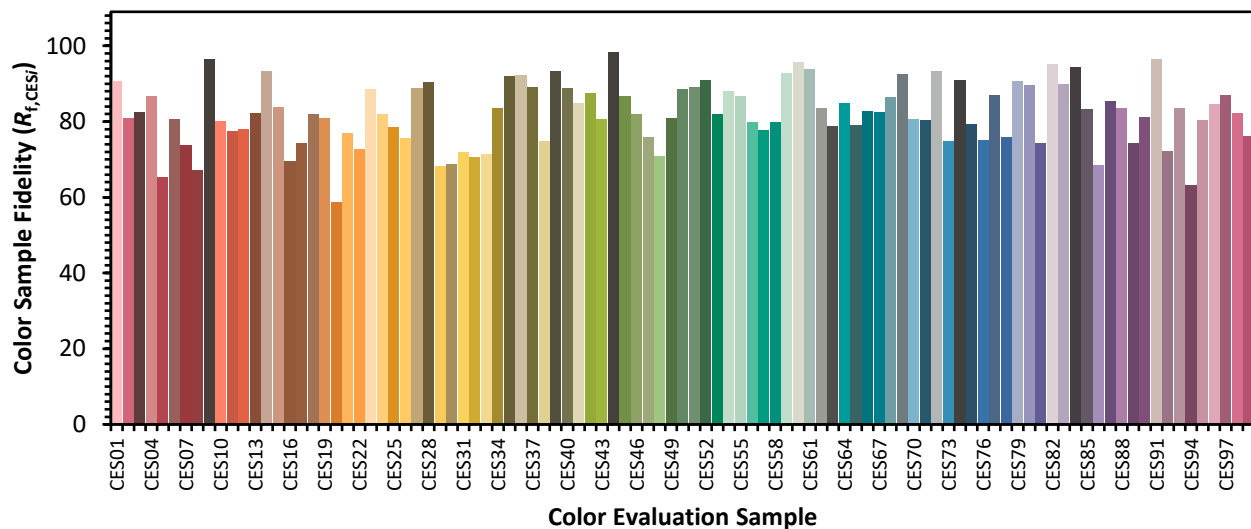


Color Vector Graphics

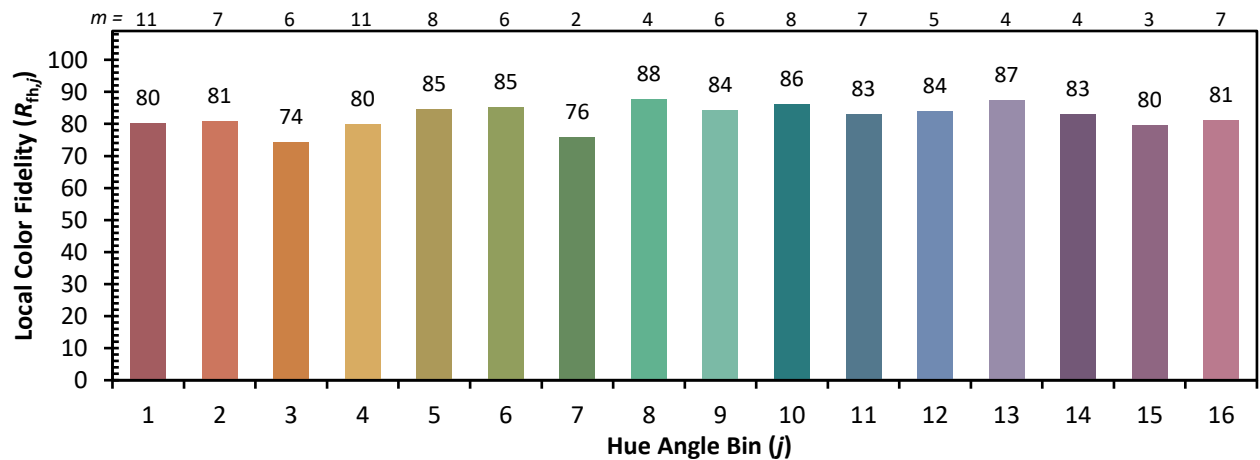
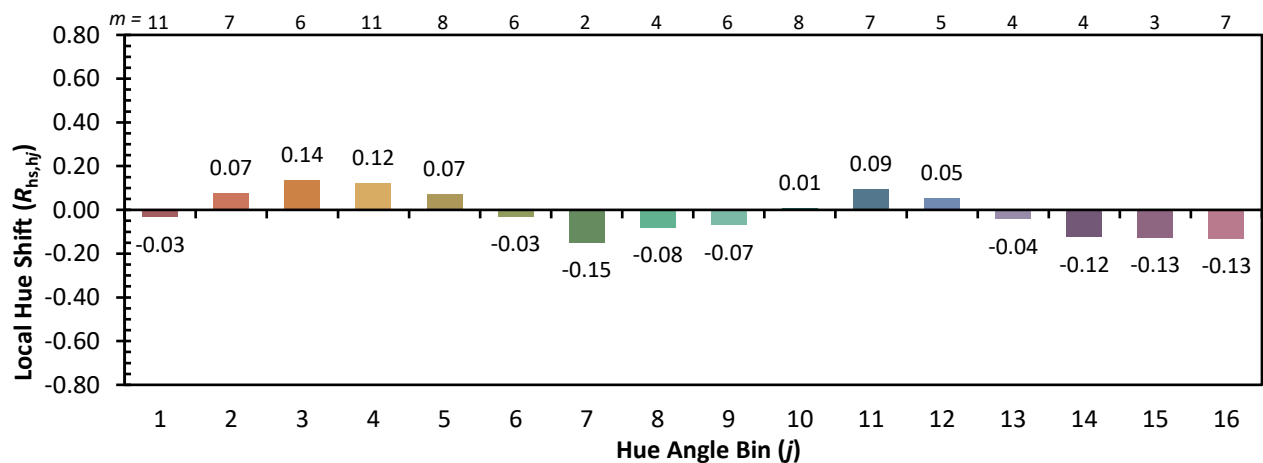
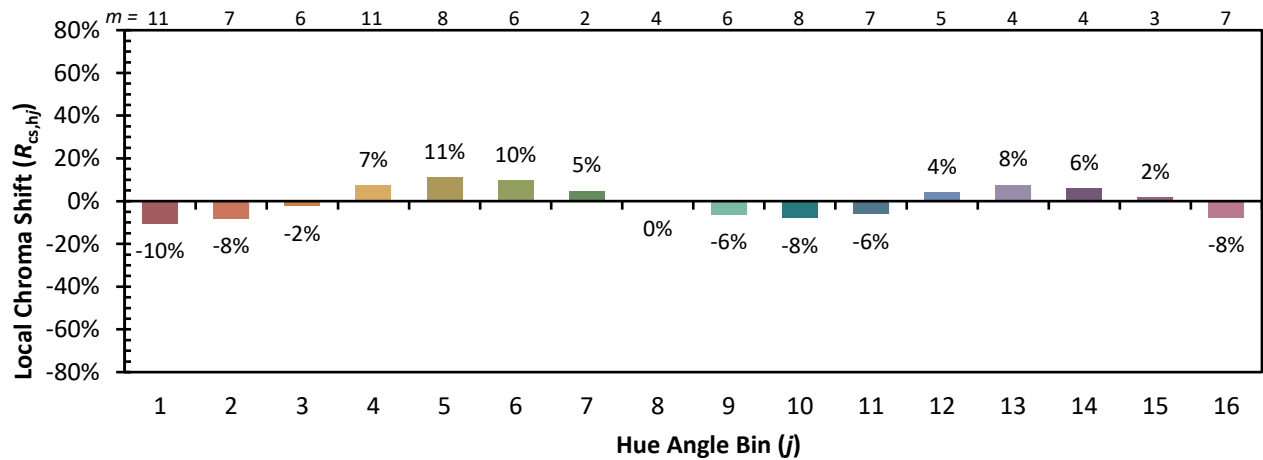


Individual Sample Fidelity Index ($R_{f,i}$)

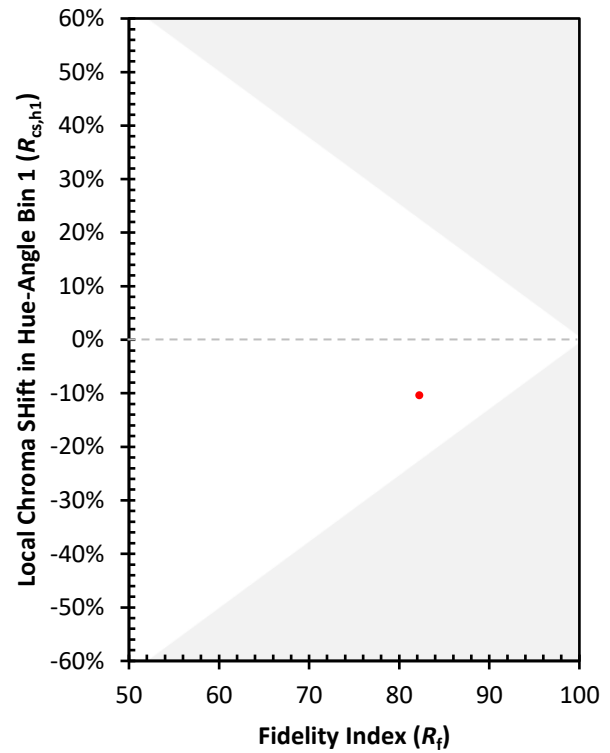
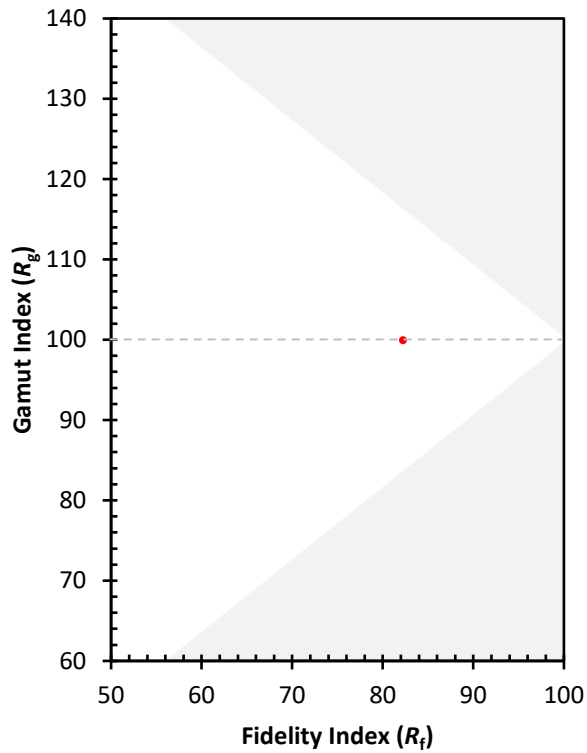
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)