

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: P1048523

Luminaire Tested: **GALN-SA9C-827-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048523
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9C-827-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 9xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (126) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43002.9 lumens
Efficiency: N/A
Efficacy: 103.1 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): 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

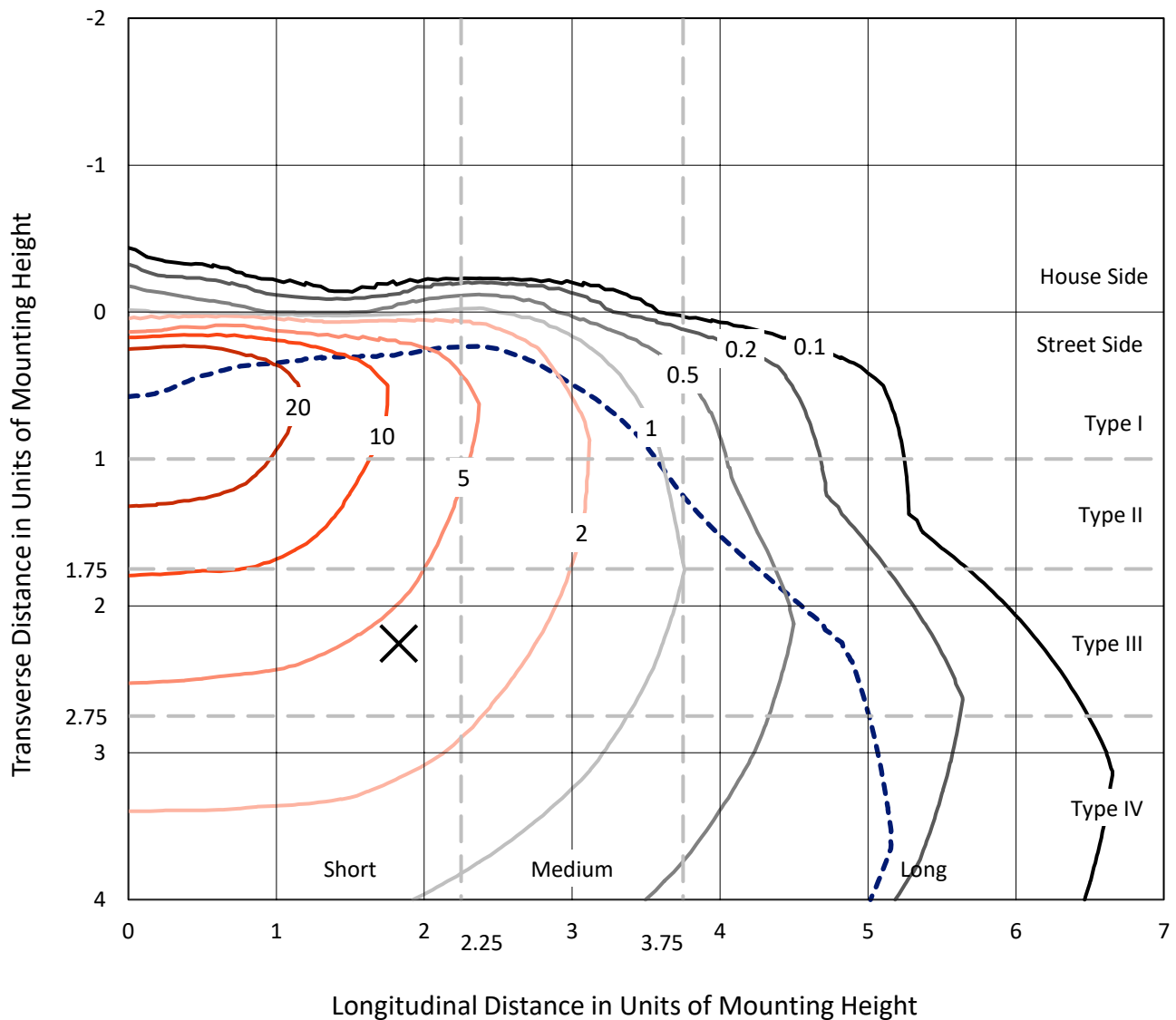


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

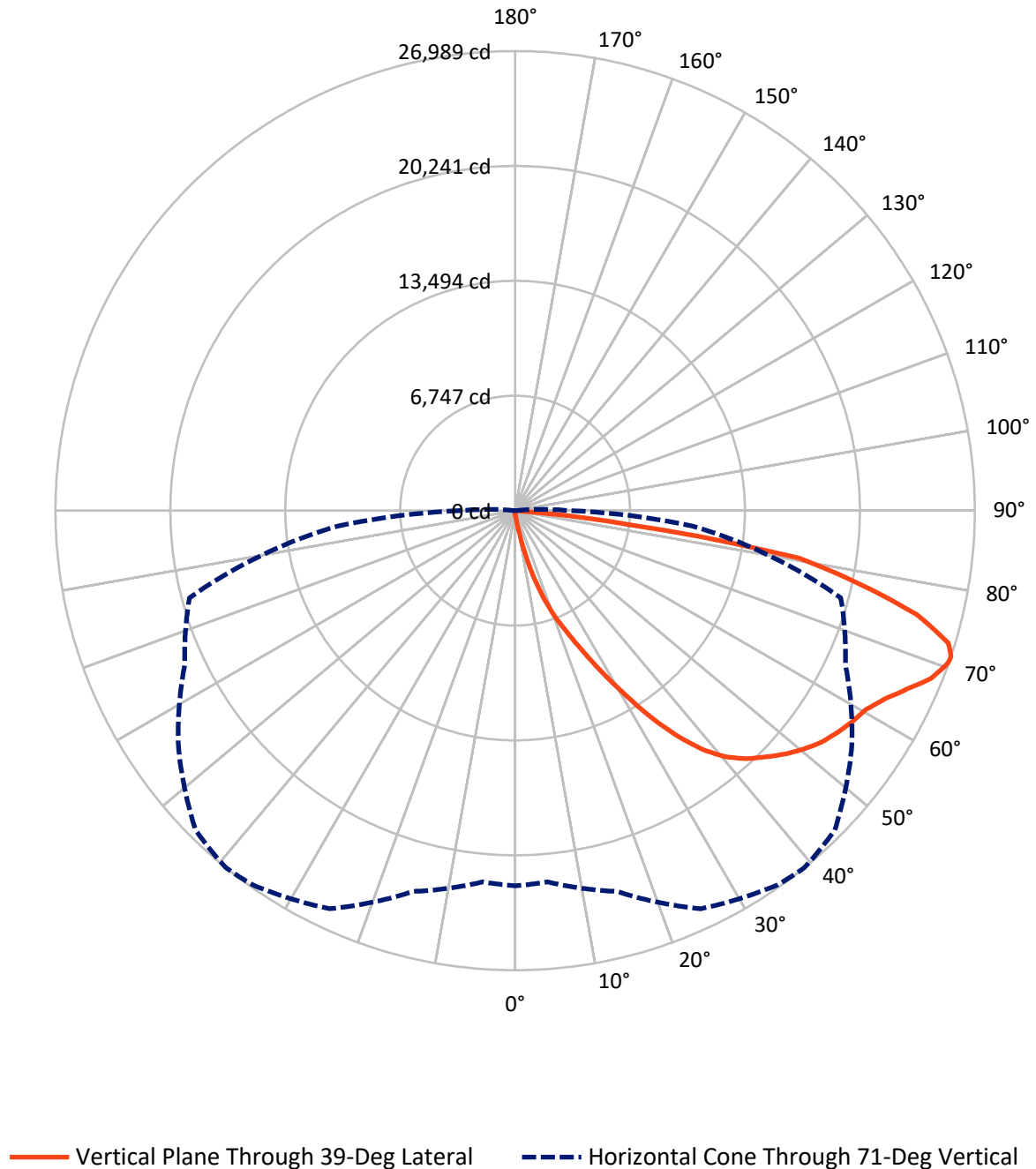


Based on 15 foot mounting height. Maximum calculated value = 44.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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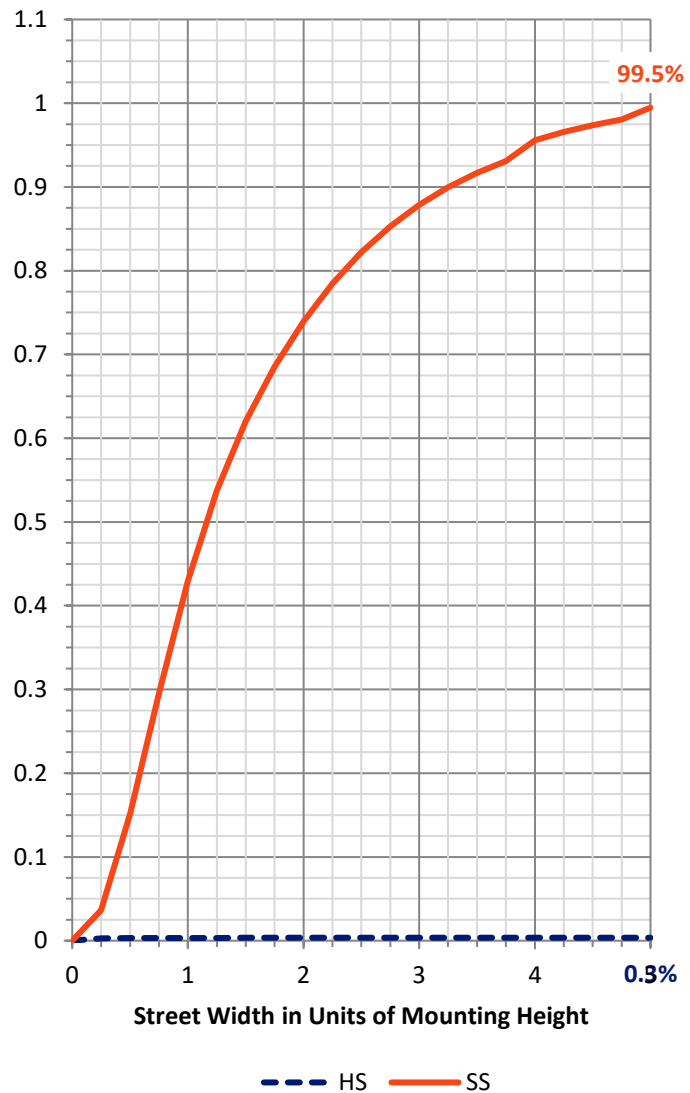
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	152.8	0.0	152.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	42850.1	0.0	42850.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	43002.9	0.0	43002.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	0.1
10°-20°	459.6	1.1
20°-30°	1636.8	3.8
30°-40°	3944.8	9.2
40°-50°	6602.0	15.4
50°-60°	8479.5	19.7
60°-70°	10730.8	25.0
70°-80°	9567.0	22.2
80°-90°	1546.5	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°	43002.9	100.0
0°-180°	43002.9	100.0



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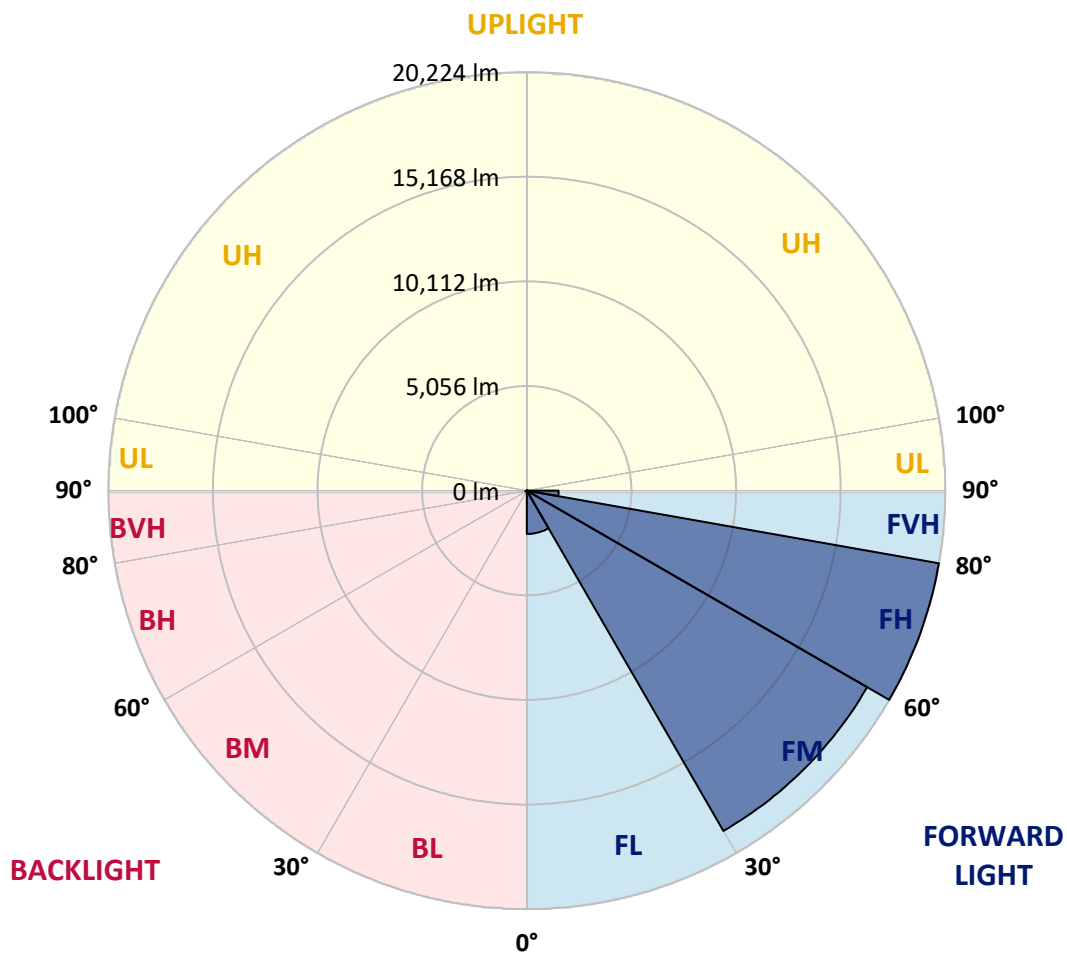
CATALOG NUMBER: GALN-SA9C-827-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2095.4	4.9			
FM	(30°-60°)	18990.9	44.2			
FH	(60°-80°)	20224.3	47.0			G5
FVH	(80°-90°)	1539.4	3.6			G5
BL	(0°-30°)	37.0	0.1	B0/110		
BM	(30°-60°)	35.4	0.1	B0/220		
BH	(60°-80°)	73.5	0.2	B0/110		G0/110
BVH	(80°-90°)	7.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8
2.5°	270.7	270.7	270.7	262.0	262.0	259.1	256.2	256.2	250.4	247.4	241.6
5°	410.5	401.7	381.3	369.7	346.4	331.9	317.3	296.9	276.6	262.0	244.5
7.5°	928.6	949.0	882.1	756.9	628.8	573.5	480.3	387.2	320.2	276.6	247.4
10°	2366.7	2355.1	2128.0	1877.6	1449.7	1278.0	1001.4	631.7	413.4	302.8	250.4
12.5°	4026.0	4014.4	3746.5	3405.9	2841.2	2483.1	1959.1	1179.0	593.9	343.5	250.4
15°	5420.4	5373.8	5289.4	4951.7	4290.9	3991.1	3298.2	2084.3	960.7	413.4	256.2
17.5°	6343.2	6302.5	6223.9	6101.6	5682.4	5327.2	4771.2	3274.9	1554.5	535.6	267.8
20°	7190.3	7161.2	7097.2	7073.9	6803.2	6613.9	6154.0	4643.1	2422.0	727.8	285.3
22.5°	8354.8	8293.6	8319.8	8180.1	7915.2	7688.1	7405.8	6075.4	3481.6	1048.0	317.3
25°	9781.2	9752.1	9679.3	9580.3	9213.5	9015.6	8581.8	7426.1	4666.4	1467.2	352.2
27.5°	11504.5	11472.5	11455.0	11228.0	10805.9	10590.5	9985.0	8701.2	5999.7	2055.2	398.8
30°	13489.9	13504.4	13390.9	13099.8	12607.8	12305.1	11682.1	10037.4	7365.0	2745.1	448.3
32.5°	15545.1	15516.0	15341.3	14997.8	14558.2	14275.9	13484.1	11501.6	8797.2	3656.3	506.5
35°	17760.4	17705.1	17245.2	16852.2	16476.6	16121.5	15399.5	13201.7	10229.5	4678.1	585.1
37.5°	19996.1	19737.0	18814.2	18316.4	18057.3	17766.2	17093.8	15015.3	11653.0	5819.2	681.2
40°	21684.5	21483.7	20389.1	19472.1	19265.4	19018.0	18517.3	16581.4	13166.7	7044.8	797.6
42.5°	22619.0	22508.4	21524.4	20619.1	20132.9	19914.6	19486.7	17949.6	14663.0	8398.4	966.5
45°	23017.8	22846.0	22188.1	21766.0	20991.7	20630.7	20121.3	18983.1	16226.3	9935.5	1202.3
47.5°	22895.5	22796.6	22325.0	22479.2	21917.4	21355.6	20607.4	19774.9	17562.5	11699.6	1525.4
50°	22127.0	22042.6	21897.0	22732.5	22662.6	21998.9	21236.2	20400.7	18654.1	13519.0	2026.1
52.5°	20665.7	20630.7	21003.3	22534.6	23084.7	22566.6	21841.7	20953.8	19673.0	15419.9	2742.2
55°	18782.2	18924.8	19990.3	22226.0	23300.2	22985.8	22377.4	21472.0	20491.0	17120.0	3798.9
57.5°	18007.9	18045.7	19376.1	22007.7	23396.2	23355.5	22898.4	21966.9	21242.0	18479.4	5411.7
60°	18913.2	18855.0	19556.5	22173.6	23588.4	23687.3	23361.3	22426.8	21894.1	19646.8	7560.0
62.5°	20549.2	20517.2	20741.3	22881.0	24150.2	24351.1	24004.6	22758.7	22470.5	20415.3	10011.2
65°	22010.6	21943.6	22359.9	24135.6	25137.0	25279.7	24976.9	23326.4	22723.8	20974.2	12313.8
67.5°	22642.3	22627.7	23297.3	25329.2	26173.4	26327.7	26062.8	24109.4	22665.6	21151.8	13329.8
70°	22354.1	22298.8	23370.0	25835.7	26758.5	26933.2	26677.0	24400.5	22033.9	20590.0	11824.7
71°	22036.8	21888.3	23151.7	25800.8	26840.0	26988.5	26540.2	24135.6	21399.2	19792.3	10459.5
72.5°	21052.8	21079.0	22552.0	25436.9	26645.0	26601.3	25765.8	23186.6	20633.6	17981.7	8401.3
75°	18630.8	18785.1	20610.3	23908.6	24904.2	24348.2	23070.2	21373.0	19096.6	12893.1	5833.8
77.5°	15224.9	15454.8	17460.6	20968.4	20686.0	20630.7	20578.3	18831.7	16307.8	6925.4	4058.0
80°	7268.9	7766.7	10532.2	14968.7	16261.2	16887.1	16494.1	15175.4	12610.7	3298.2	2424.9
82.5°	474.5	468.7	663.7	1257.6	5301.1	6852.6	10887.4	10846.6	8791.4	1606.9	989.8
85°	224.2	230.0	253.3	288.2	334.8	366.8	506.5	2969.3	4206.5	765.6	215.4
87.5°	131.0	133.9	157.2	200.9	262.0	291.1	346.4	445.4	547.3	422.1	46.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SA9C-827-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8	235.8
2.5°	238.7	235.8	227.1	218.3	209.6	203.8	200.9	203.8	203.8	206.7	206.7
5°	238.7	230.0	215.4	198.0	186.3	174.7	168.8	165.9	168.8	168.8	168.8
7.5°	235.8	221.2	200.9	180.5	165.9	151.4	145.6	142.6	142.6	145.6	145.6
10°	230.0	215.4	189.2	165.9	148.5	131.0	122.3	113.5	113.5	113.5	116.4
12.5°	227.1	206.7	174.7	151.4	128.1	107.7	90.2	81.5	84.4	84.4	84.4
15°	221.2	198.0	165.9	136.8	107.7	81.5	67.0	58.2	61.1	64.0	61.1
17.5°	221.2	195.0	154.3	119.4	84.4	61.1	49.5	43.7	43.7	46.6	46.6
20°	221.2	189.2	145.6	101.9	64.0	46.6	34.9	32.0	32.0	37.8	40.8
22.5°	227.1	189.2	133.9	84.4	52.4	34.9	26.2	23.3	26.2	32.0	34.9
25°	235.8	186.3	122.3	75.7	43.7	26.2	20.4	14.6	17.5	23.3	26.2
27.5°	244.5	183.4	110.6	67.0	34.9	20.4	14.6	11.6	8.7	11.6	11.6
30°	253.3	183.4	99.0	55.3	29.1	14.6	8.7	5.8	2.9	0.0	0.0
32.5°	259.1	177.6	90.2	43.7	23.3	11.6	5.8	2.9	0.0	0.0	0.0
35°	264.9	171.8	78.6	34.9	17.5	8.7	2.9	0.0	0.0	0.0	0.0
37.5°	270.7	163.0	67.0	29.1	14.6	5.8	0.0	0.0	0.0	0.0	0.0
40°	276.6	151.4	55.3	26.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	282.4	142.6	46.6	20.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0
45°	296.9	136.8	37.8	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	323.1	131.0	34.9	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	361.0	125.2	32.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	413.4	122.3	29.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	506.5	119.4	26.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	666.6	116.4	26.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1021.8	110.6	26.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1825.2	107.7	23.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3181.8	110.6	23.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4561.6	116.4	20.4	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	3903.7	101.9	20.4	11.6	5.8	2.9	0.0	0.0	0.0	0.0	0.0
71°	3181.8	90.2	20.4	11.6	5.8	2.9	2.9	0.0	0.0	0.0	0.0
72.5°	2046.5	69.9	17.5	11.6	5.8	5.8	2.9	0.0	0.0	0.0	0.0
75°	864.6	58.2	17.5	11.6	8.7	5.8	5.8	2.9	0.0	0.0	0.0
77.5°	369.7	43.7	17.5	14.6	11.6	8.7	8.7	5.8	2.9	0.0	0.0
80°	139.7	34.9	20.4	17.5	14.6	14.6	11.6	5.8	2.9	0.0	0.0
82.5°	64.0	29.1	20.4	17.5	17.5	14.6	11.6	8.7	5.8	0.0	0.0
85°	40.8	26.2	20.4	17.5	17.5	14.6	14.6	8.7	5.8	0.0	0.0
87.5°	32.0	26.2	20.4	20.4	17.5	17.5	11.6	8.7	2.9	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

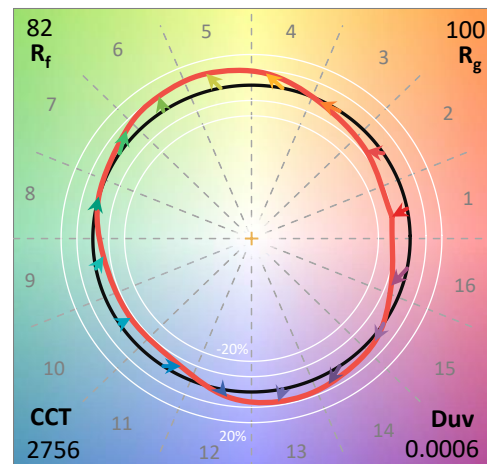
Test Information

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

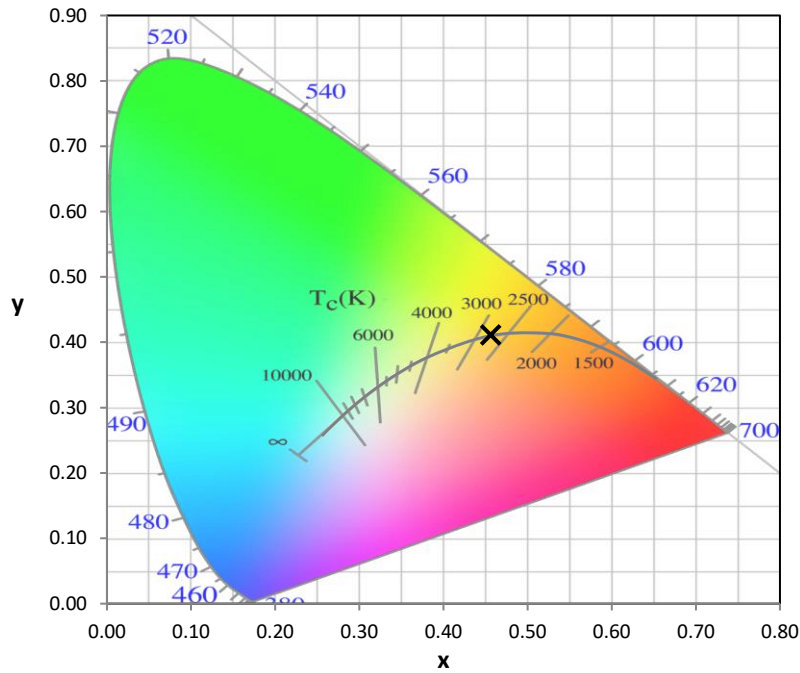
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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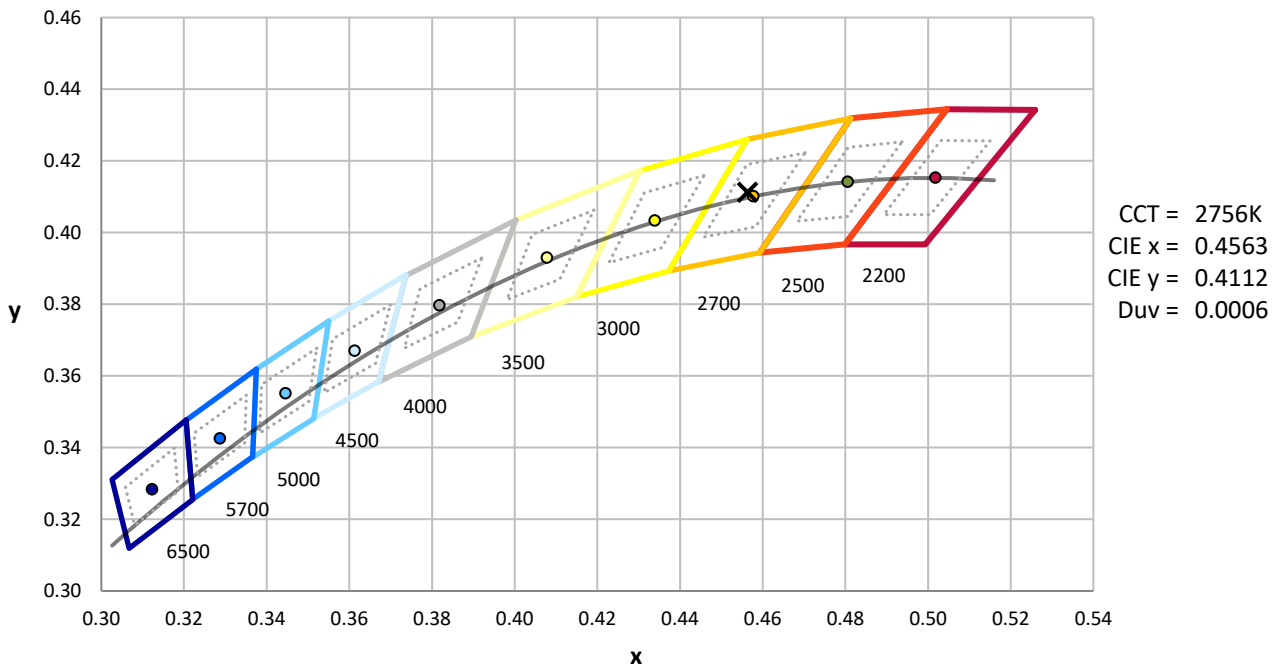
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

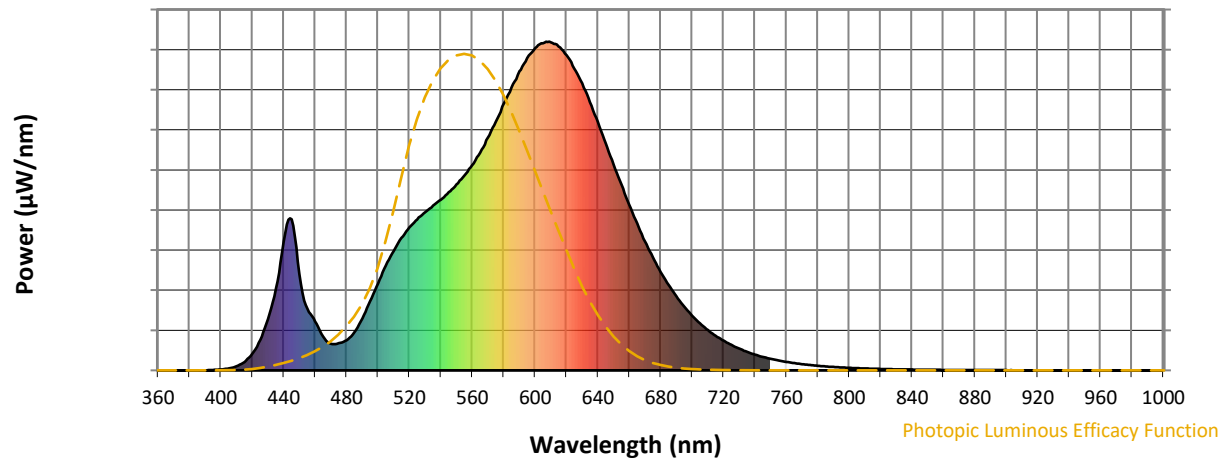


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

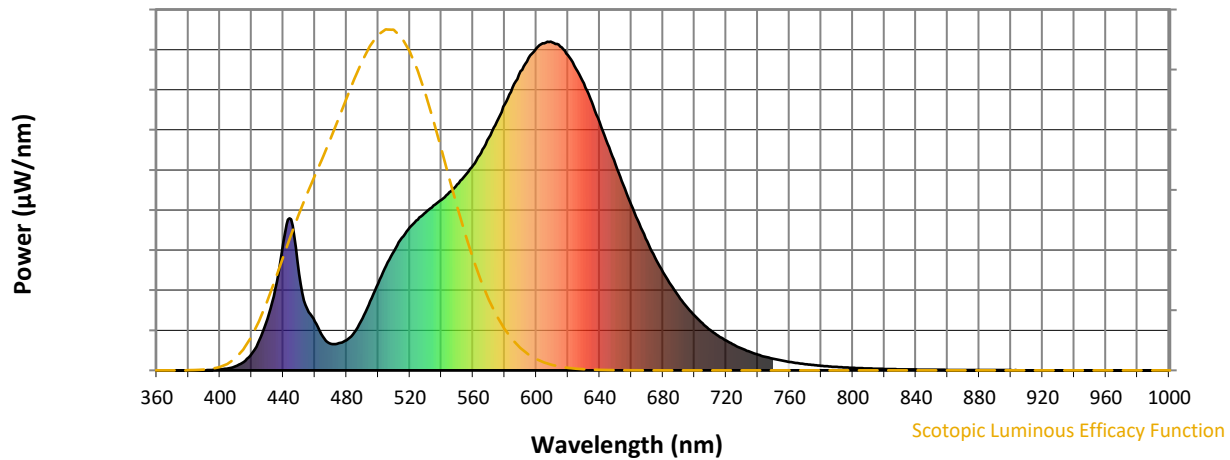


Photopic Lumens: NR

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



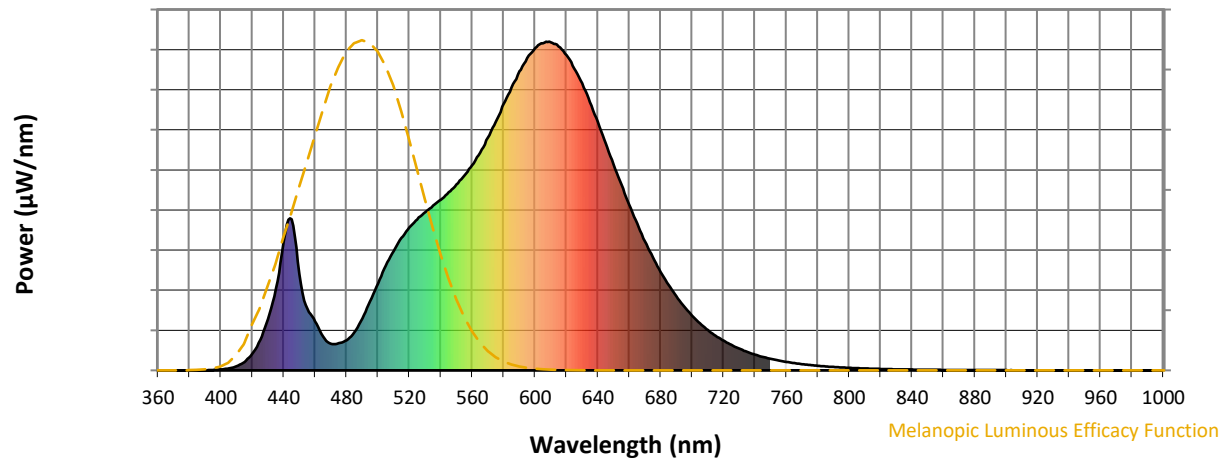
Scotopic Lumens: NR

S/P: 1.2

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.16

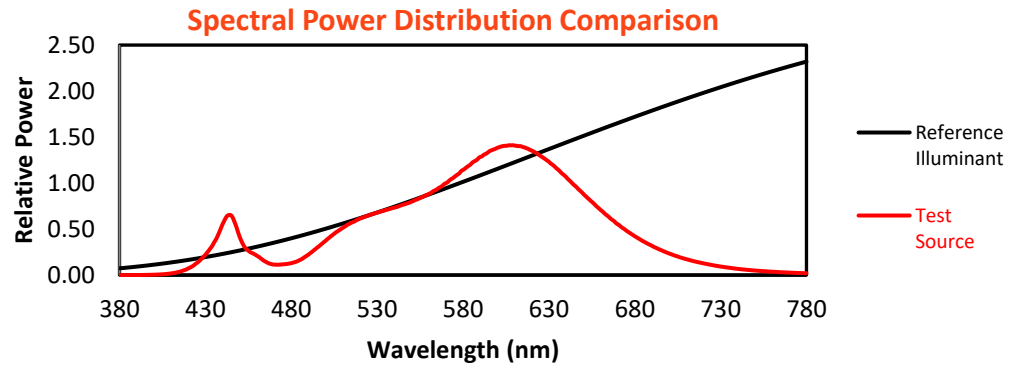
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	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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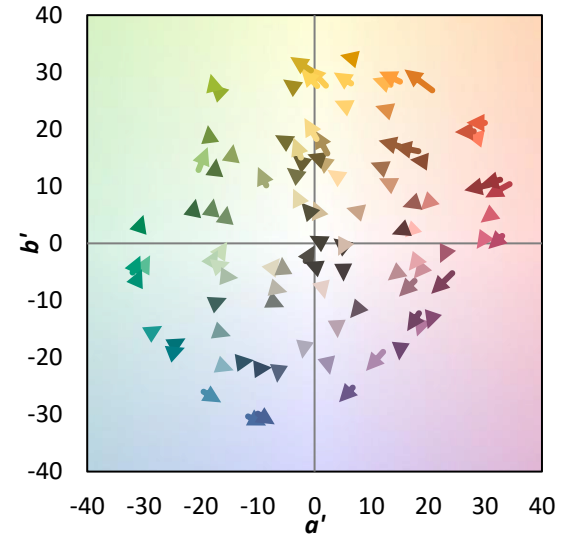
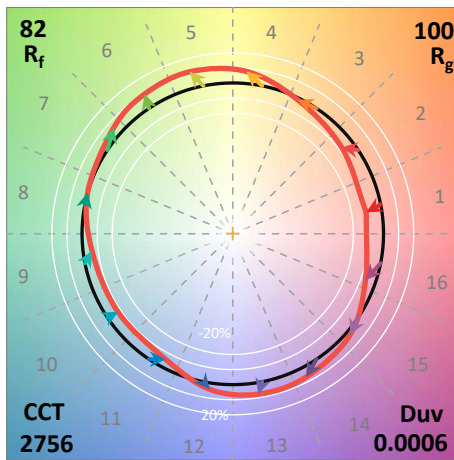
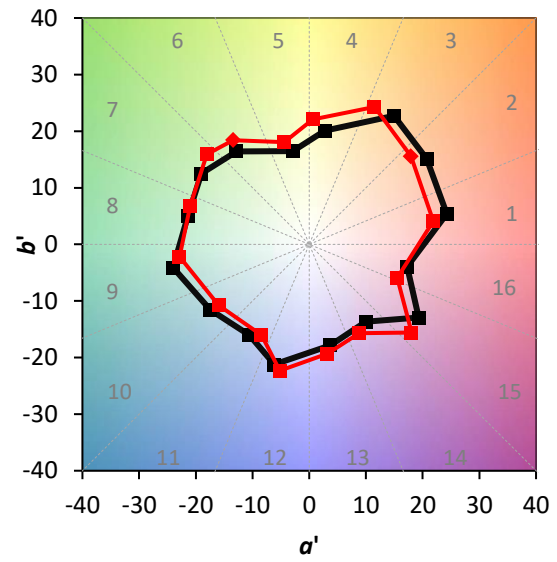
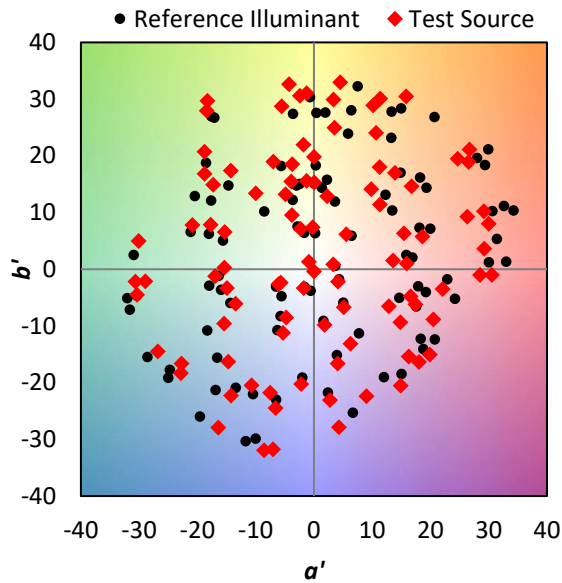
TM-30-18

Summary

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

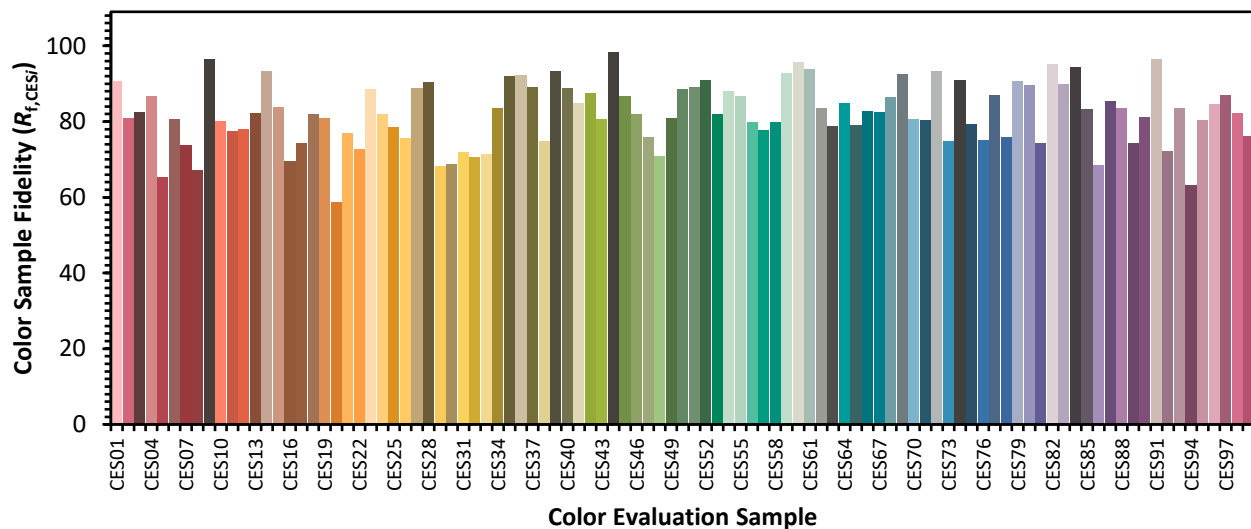


Color Vector Graphics

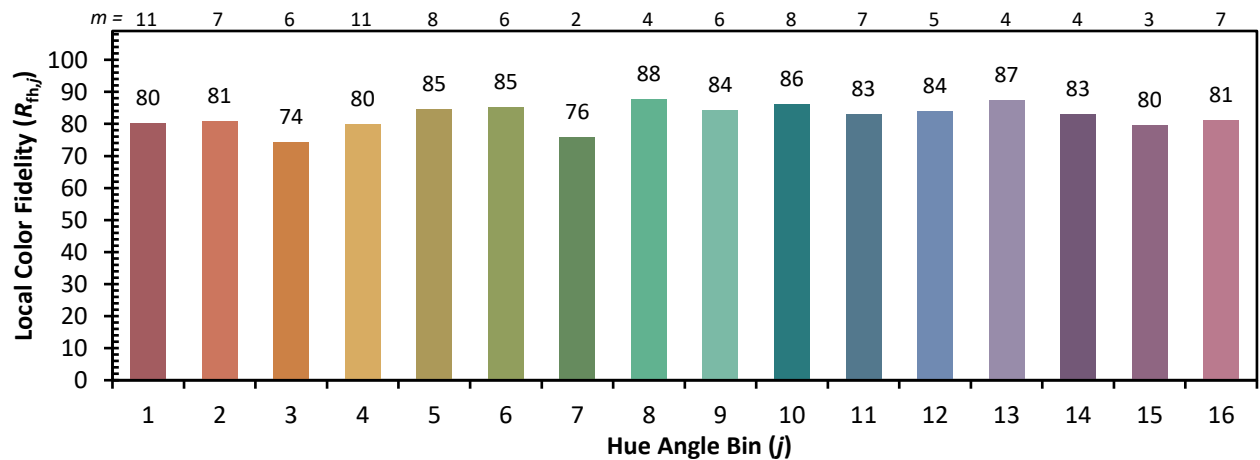
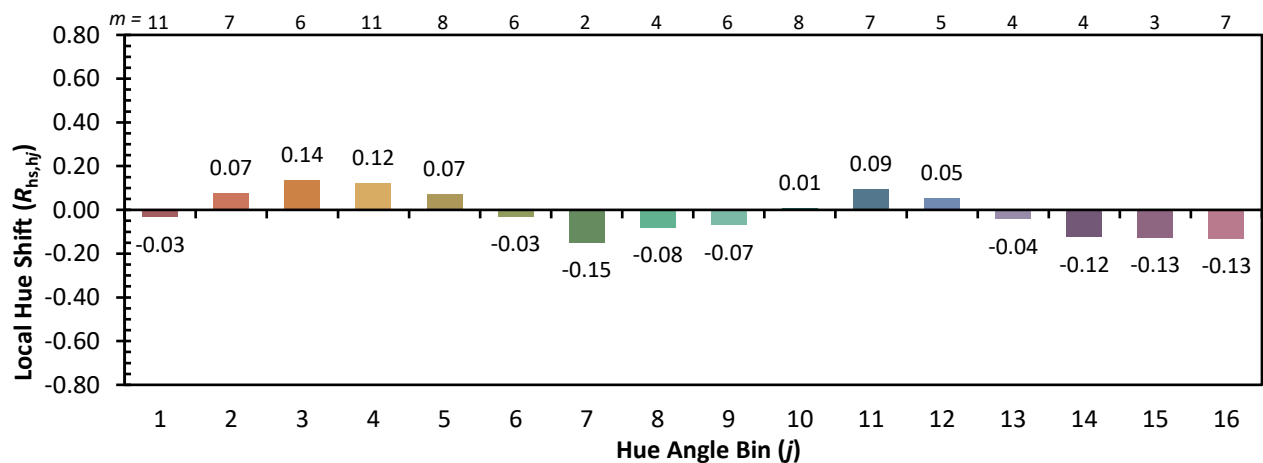
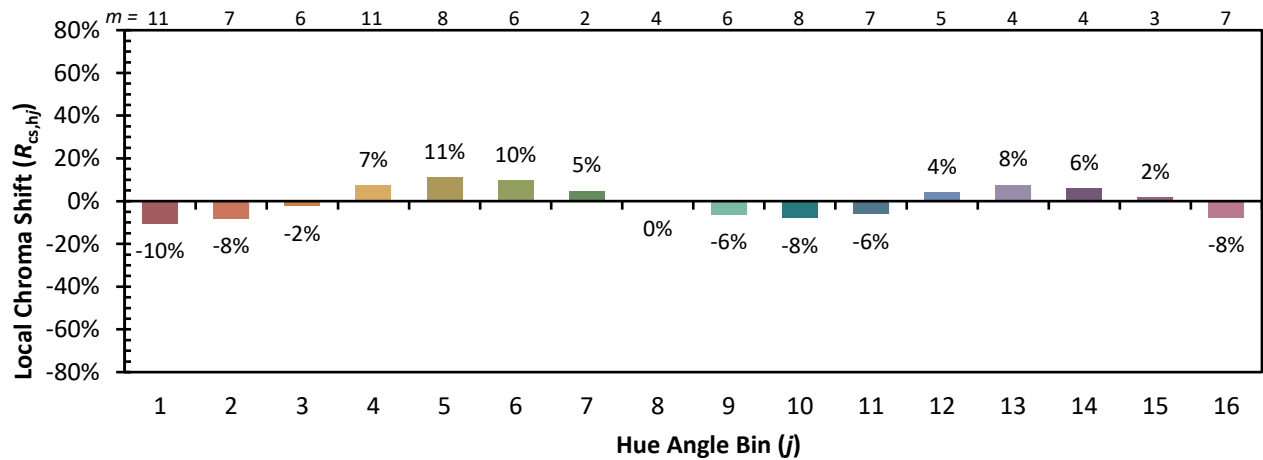


Individual Sample Fidelity Index ($R_{f,i}$)

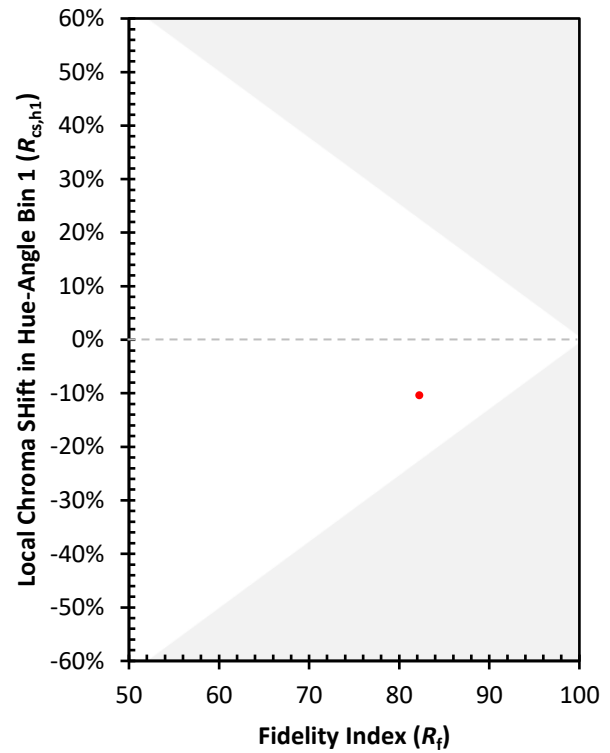
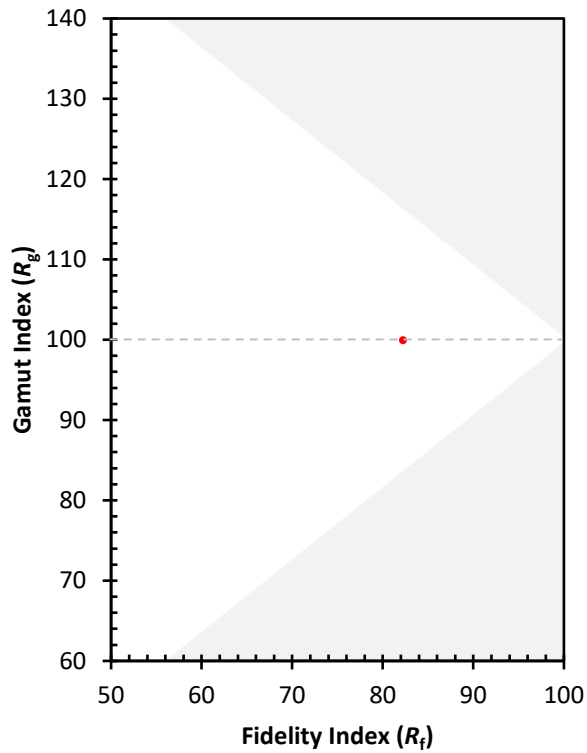
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 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)