

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: P1048245

Luminaire Tested: **GALN-SA3A-740-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048245
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-740-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11124.5 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 81.4
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

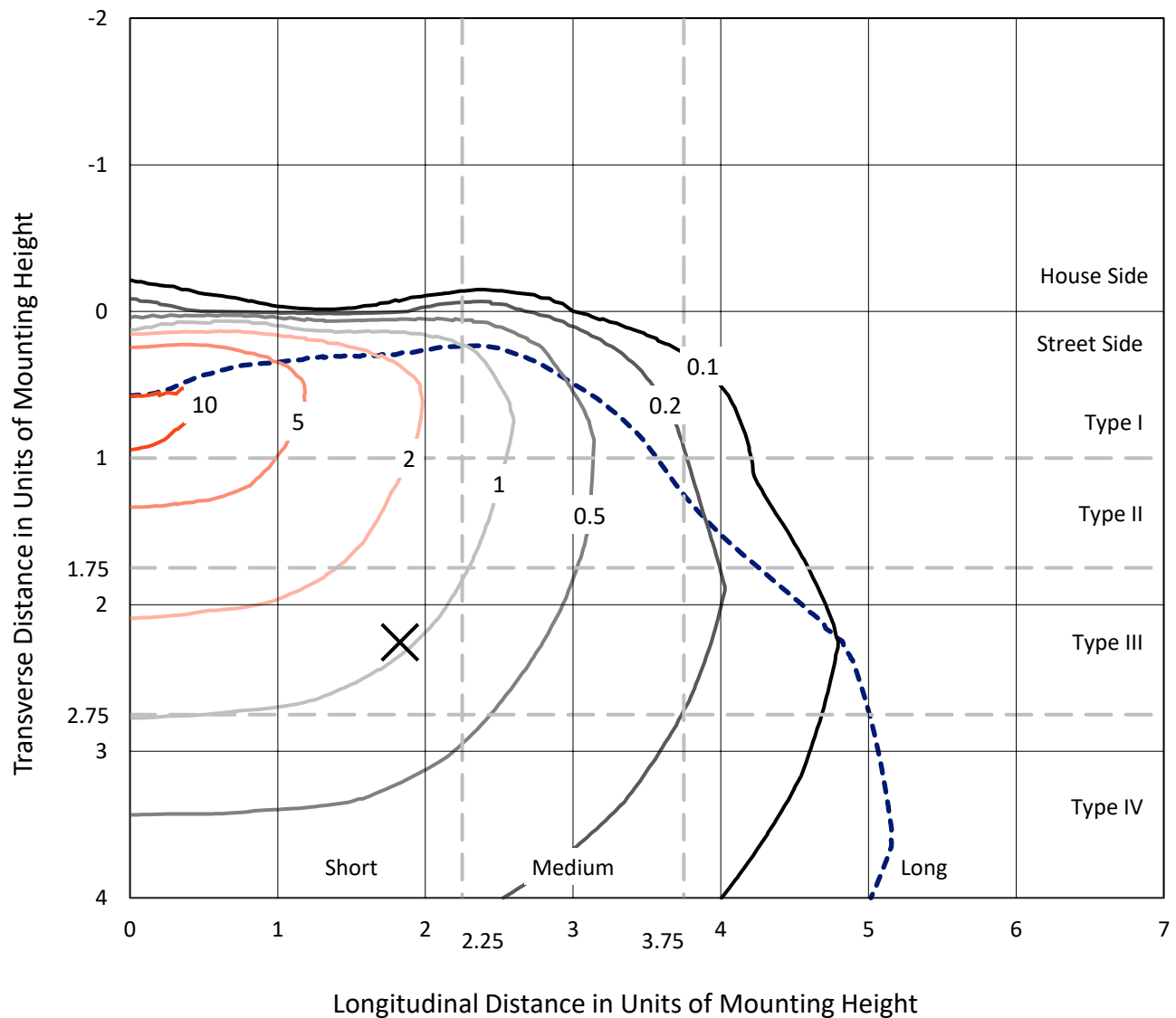


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

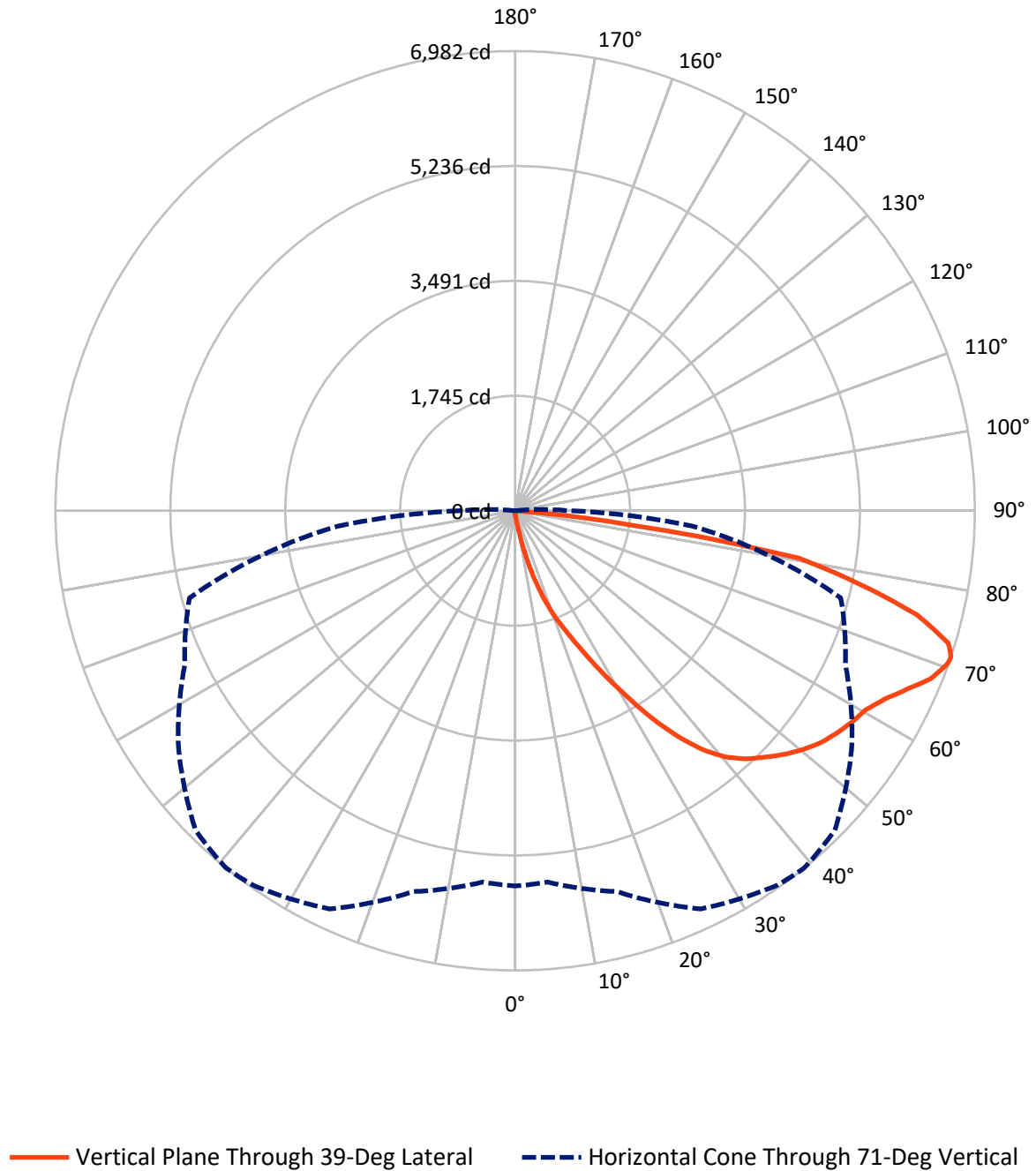


Based on 15 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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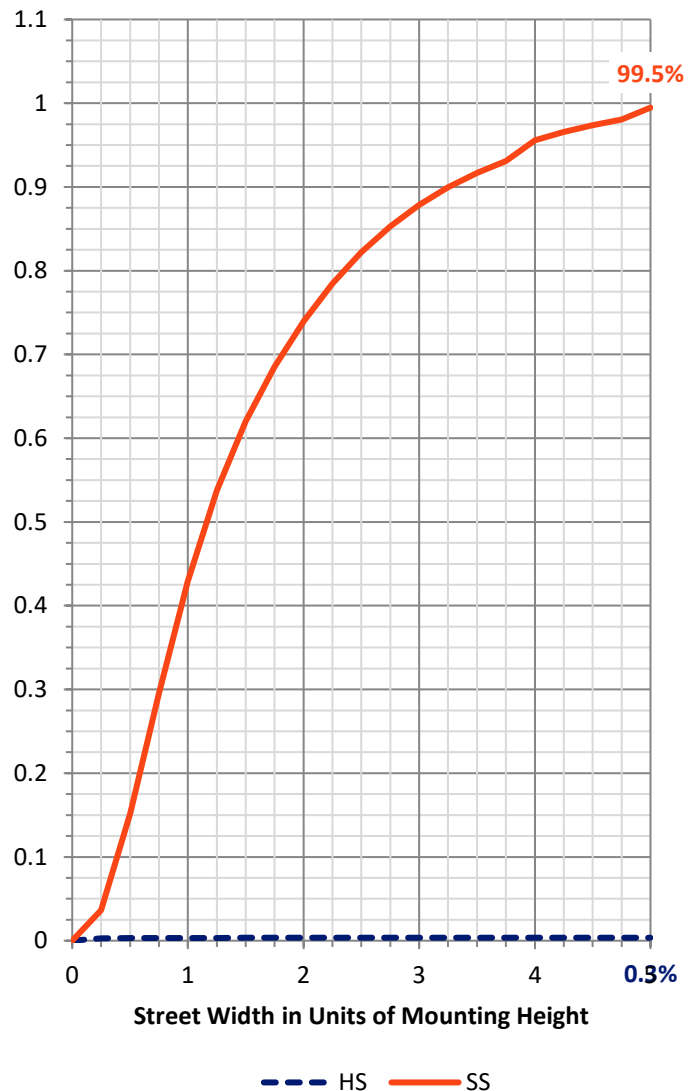
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39.5	0.0	39.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	11085.0	0.0	11085.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	11124.5	0.0	11124.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	118.9	1.1
20°-30°	423.4	3.8
30°-40°	1020.5	9.2
40°-50°	1707.9	15.4
50°-60°	2193.6	19.7
60°-70°	2776.0	25.0
70°-80°	2474.9	22.2
80°-90°	400.1	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°	11124.5	100.0
0°-180°	11124.5	100.0



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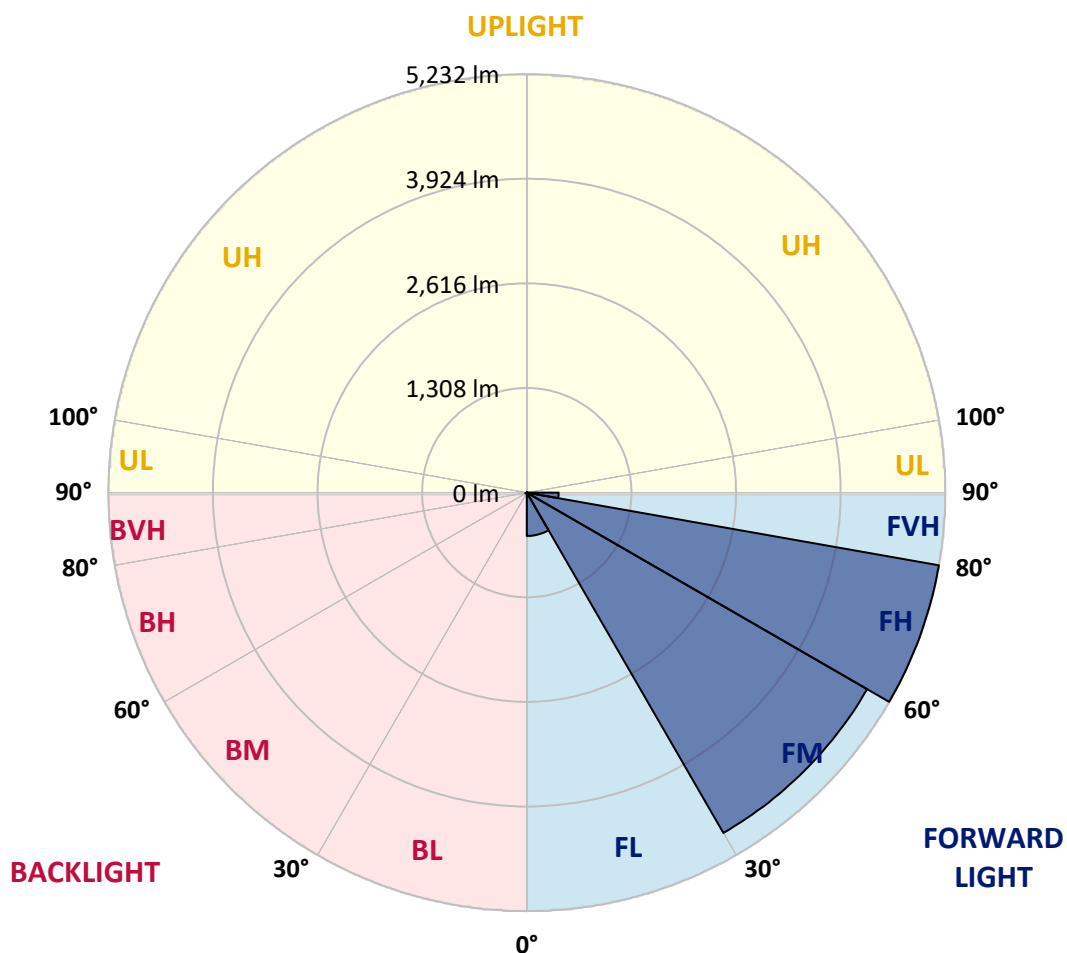
CATALOG NUMBER: GALN-SA3A-740-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	542.1	4.9			
FM	(30°-60°)	4912.8	44.2			
FH	(60°-80°)	5231.9	47.0			G3/7500
FVH	(80°-90°)	398.2	3.6			G3/500
BL	(0°-30°)	9.6	0.1	B0/110		
BM	(30°-60°)	9.1	0.1	B0/220		
BH	(60°-80°)	19.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G3

Type IV Short



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CATALOG NUMBER: GALN-SA3A-740-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.5°	70.0	70.0	70.0	67.8	67.8	67.0	66.3	66.3	64.8	64.0	62.5
5°	106.2	103.9	98.7	95.6	89.6	85.9	82.1	76.8	71.5	67.8	63.3
7.5°	240.2	245.5	228.2	195.8	162.7	148.4	124.3	100.2	82.8	71.5	64.0
10°	612.2	609.2	550.5	485.7	375.0	330.6	259.1	163.4	106.9	78.3	64.8
12.5°	1041.5	1038.5	969.2	881.1	735.0	642.4	506.8	305.0	153.6	88.9	64.8
15°	1402.2	1390.2	1368.3	1281.0	1110.0	1032.5	853.2	539.2	248.5	106.9	66.3
17.5°	1640.9	1630.4	1610.1	1578.4	1470.0	1378.1	1234.3	847.2	402.1	138.6	69.3
20°	1860.1	1852.6	1836.0	1830.0	1759.9	1711.0	1592.0	1201.1	626.6	188.3	73.8
22.5°	2161.3	2145.5	2152.3	2116.1	2047.6	1988.9	1915.8	1571.7	900.7	271.1	82.1
25°	2530.3	2522.8	2504.0	2478.4	2383.5	2332.3	2220.1	1921.1	1207.2	379.5	91.1
27.5°	2976.1	2967.9	2963.3	2904.6	2795.4	2739.7	2583.0	2250.9	1552.1	531.7	103.2
30°	3489.7	3493.5	3464.1	3388.8	3261.6	3183.2	3022.1	2596.6	1905.3	710.1	116.0
32.5°	4021.4	4013.9	3968.7	3879.8	3766.1	3693.1	3488.2	2975.4	2275.8	945.9	131.0
35°	4594.5	4580.2	4461.2	4359.5	4262.4	4170.5	3983.7	3415.2	2646.3	1210.2	151.4
37.5°	5172.8	5105.8	4867.1	4738.3	4671.3	4596.0	4422.0	3884.3	3014.5	1505.4	176.2
40°	5609.6	5557.7	5274.5	5037.3	4983.8	4919.8	4790.3	4289.5	3406.1	1822.4	206.3
42.5°	5851.4	5822.7	5568.2	5334.0	5208.2	5151.8	5041.1	4643.4	3793.2	2172.6	250.0
45°	5954.5	5910.1	5739.9	5630.7	5430.4	5337.0	5205.2	4910.8	4197.6	2570.2	311.0
47.5°	5922.9	5897.3	5775.3	5815.2	5669.9	5524.5	5331.0	5115.6	4543.3	3026.6	394.6
50°	5724.1	5702.3	5664.6	5880.7	5862.7	5691.0	5493.7	5277.5	4825.7	3497.3	524.1
52.5°	5346.1	5337.0	5433.4	5829.5	5971.9	5837.8	5650.3	5420.6	5089.3	3989.0	709.4
55°	4858.8	4895.7	5171.3	5749.7	6027.6	5946.3	5788.9	5554.7	5300.9	4428.8	982.8
57.5°	4658.5	4668.3	5012.4	5693.2	6052.4	6041.9	5923.7	5682.7	5495.2	4780.5	1400.0
60°	4892.7	4877.6	5059.1	5736.1	6102.1	6127.7	6043.4	5801.7	5663.8	5082.5	1955.7
62.5°	5315.9	5307.6	5365.6	5919.1	6247.5	6299.4	6209.8	5887.5	5813.0	5281.3	2589.8
65°	5694.0	5676.7	5784.3	6243.7	6502.8	6539.7	6461.4	6034.4	5878.5	5425.9	3185.5
67.5°	5857.4	5853.6	6026.8	6552.5	6770.9	6810.8	6742.2	6236.9	5863.4	5471.8	3448.3
70°	5782.8	5768.5	6045.7	6683.5	6922.2	6967.4	6901.1	6312.2	5700.0	5326.5	3059.0
71°	5700.7	5662.3	5989.2	6674.5	6943.3	6981.7	6865.8	6243.7	5535.8	5120.1	2705.8
72.5°	5446.2	5453.0	5834.0	6580.3	6892.9	6881.6	6665.4	5998.2	5337.8	4651.7	2173.4
75°	4819.7	4859.6	5331.7	6185.0	6442.5	6298.7	5968.1	5529.0	4940.1	3335.4	1509.2
77.5°	3938.6	3998.1	4516.9	5424.4	5351.3	5337.0	5323.5	4871.6	4218.7	1791.6	1049.8
80°	1880.4	2009.2	2724.6	3872.3	4206.7	4368.6	4266.9	3925.8	3262.3	853.2	627.3
82.5°	122.8	121.2	171.7	325.3	1371.3	1772.7	2816.5	2805.9	2274.3	415.7	256.0
85°	58.0	59.5	65.5	74.6	86.6	94.9	131.0	768.1	1088.2	198.1	55.7
87.5°	33.9	34.6	40.7	52.0	67.8	75.3	89.6	115.2	141.6	109.2	12.0
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-SA3A-740-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.5°	61.8	61.0	58.7	56.5	54.2	52.7	52.0	52.7	52.7	53.5	53.5
5°	61.8	59.5	55.7	51.2	48.2	45.2	43.7	42.9	43.7	43.7	43.7
7.5°	61.0	57.2	52.0	46.7	42.9	39.2	37.7	36.9	36.9	37.7	37.7
10°	59.5	55.7	48.9	42.9	38.4	33.9	31.6	29.4	29.4	29.4	30.1
12.5°	58.7	53.5	45.2	39.2	33.1	27.9	23.3	21.1	21.8	21.8	21.8
15°	57.2	51.2	42.9	35.4	27.9	21.1	17.3	15.1	15.8	16.6	15.8
17.5°	57.2	50.5	39.9	30.9	21.8	15.8	12.8	11.3	11.3	12.0	12.0
20°	57.2	48.9	37.7	26.4	16.6	12.0	9.0	8.3	8.3	9.8	10.5
22.5°	58.7	48.9	34.6	21.8	13.6	9.0	6.8	6.0	6.8	8.3	9.0
25°	61.0	48.2	31.6	19.6	11.3	6.8	5.3	3.8	4.5	6.0	6.8
27.5°	63.3	47.4	28.6	17.3	9.0	5.3	3.8	3.0	2.3	3.0	3.0
30°	65.5	47.4	25.6	14.3	7.5	3.8	2.3	1.5	0.8	0.0	0.0
32.5°	67.0	45.9	23.3	11.3	6.0	3.0	1.5	0.8	0.0	0.0	0.0
35°	68.5	44.4	20.3	9.0	4.5	2.3	0.8	0.0	0.0	0.0	0.0
37.5°	70.0	42.2	17.3	7.5	3.8	1.5	0.0	0.0	0.0	0.0	0.0
40°	71.5	39.2	14.3	6.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	73.0	36.9	12.0	5.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	76.8	35.4	9.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	83.6	33.9	9.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	93.4	32.4	8.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	106.9	31.6	7.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	131.0	30.9	6.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	172.5	30.1	6.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	264.3	28.6	6.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	472.2	27.9	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	823.1	28.6	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1180.1	30.1	5.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	1009.9	26.4	5.3	3.0	1.5	0.8	0.0	0.0	0.0	0.0	0.0
71°	823.1	23.3	5.3	3.0	1.5	0.8	0.8	0.0	0.0	0.0	0.0
72.5°	529.4	18.1	4.5	3.0	1.5	1.5	0.8	0.0	0.0	0.0	0.0
75°	223.7	15.1	4.5	3.0	2.3	1.5	1.5	0.8	0.0	0.0	0.0
77.5°	95.6	11.3	4.5	3.8	3.0	2.3	2.3	1.5	0.8	0.0	0.0
80°	36.1	9.0	5.3	4.5	3.8	3.8	3.0	1.5	0.8	0.0	0.0
82.5°	16.6	7.5	5.3	4.5	4.5	3.8	3.0	2.3	1.5	0.0	0.0
85°	10.5	6.8	5.3	4.5	4.5	3.8	3.8	2.3	1.5	0.0	0.0
87.5°	8.3	6.8	5.3	5.3	4.5	4.5	3.0	2.3	0.8	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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

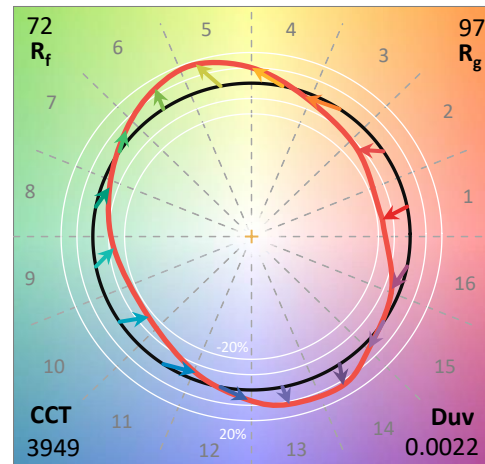
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

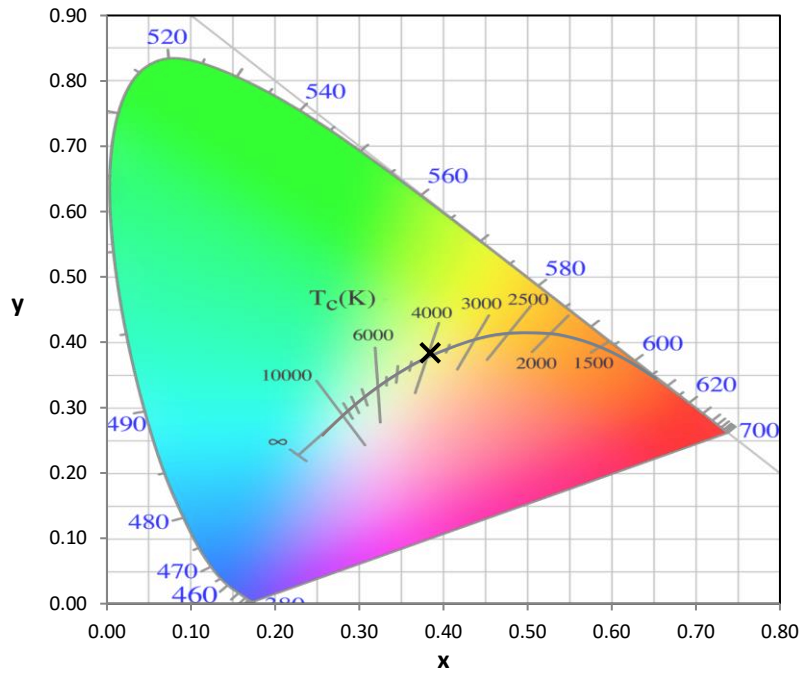
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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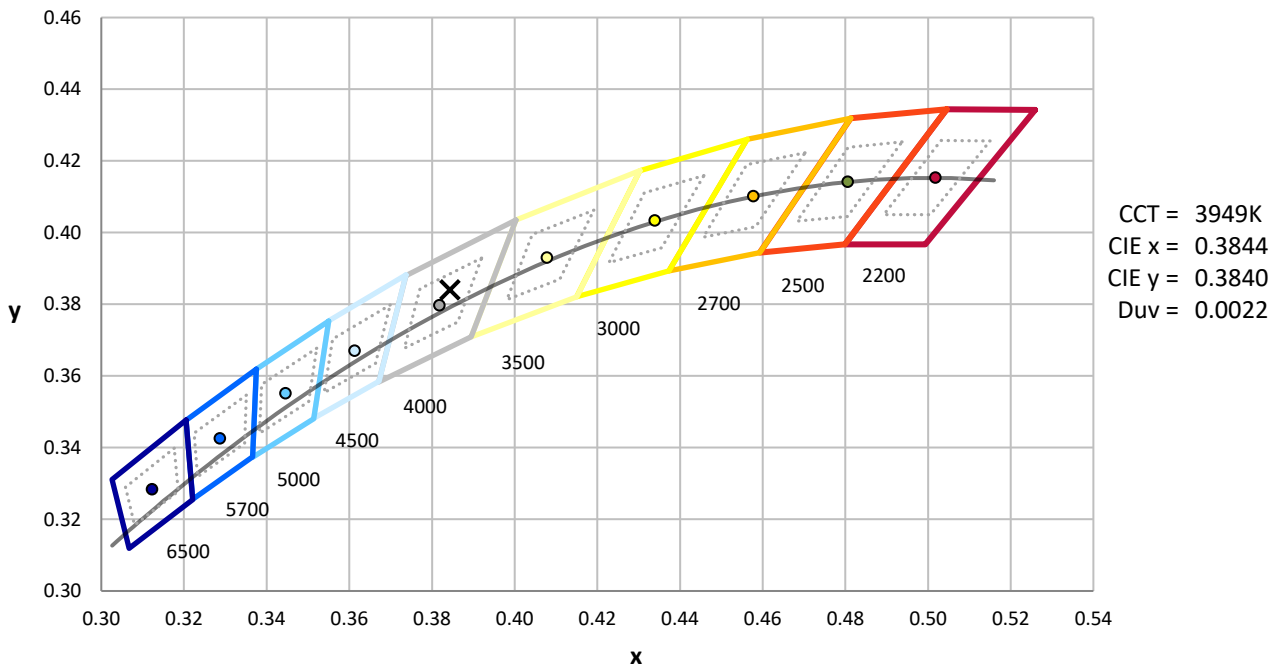
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



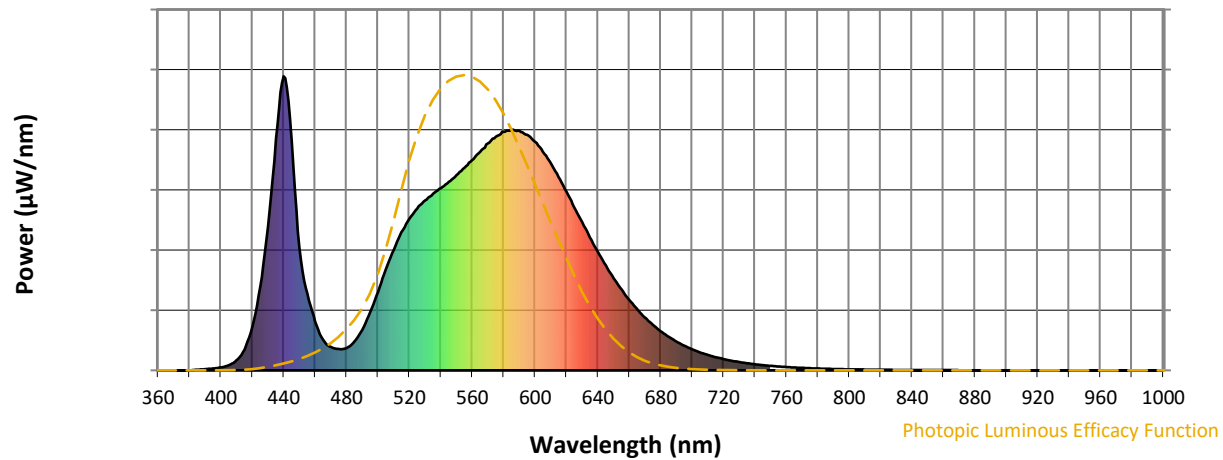
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

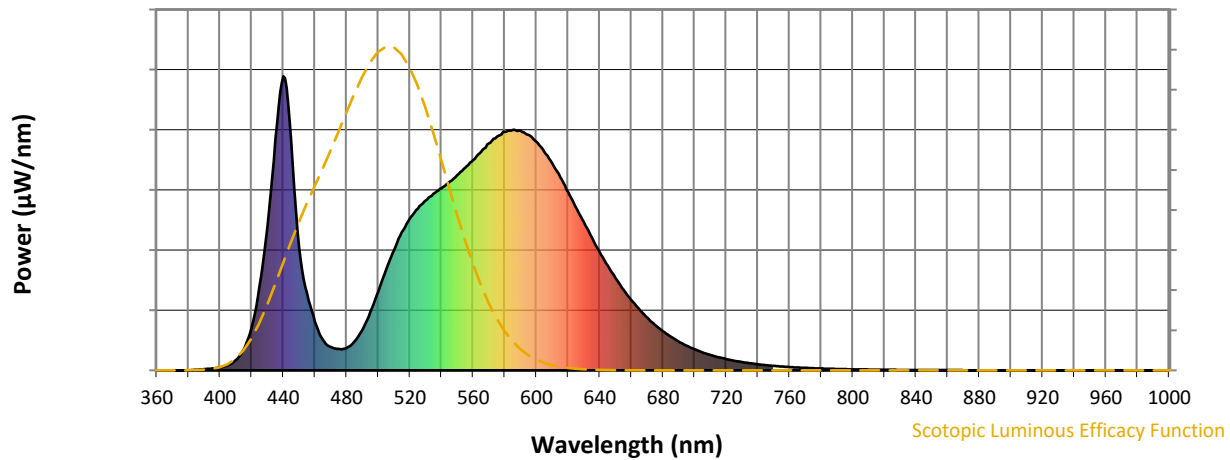


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



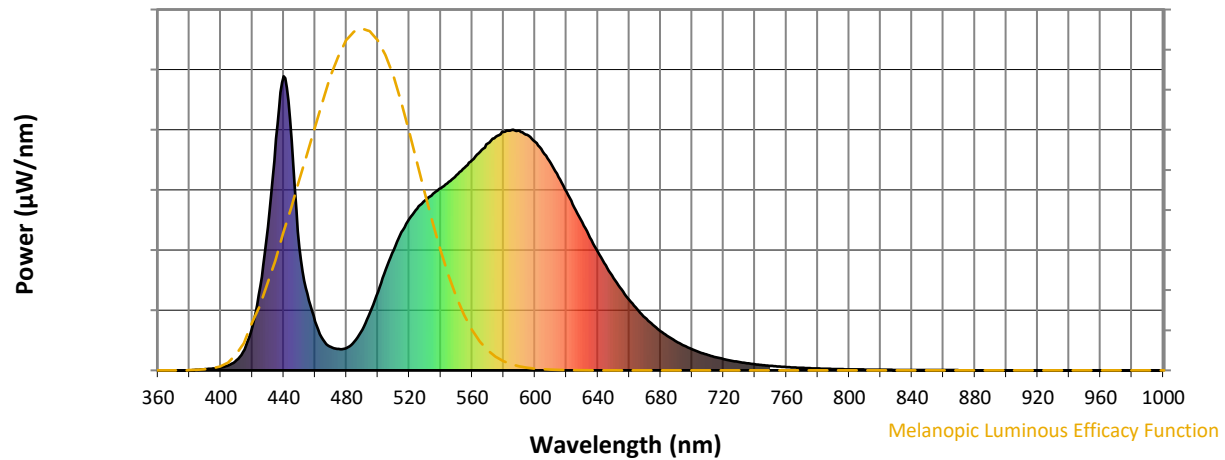
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

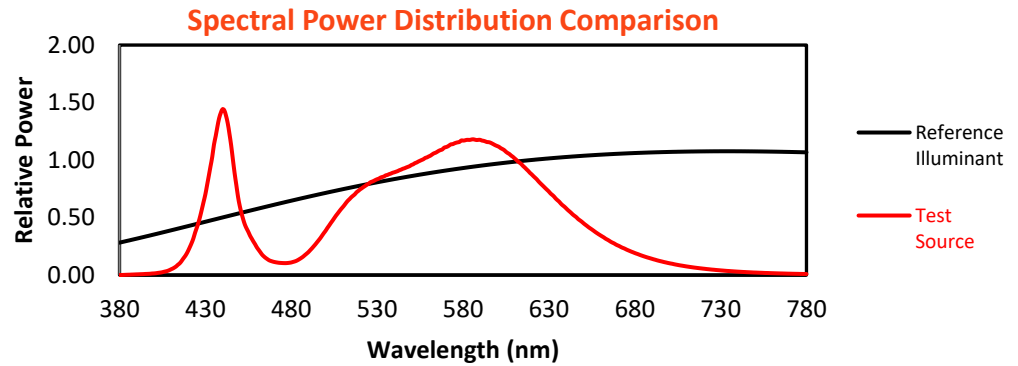
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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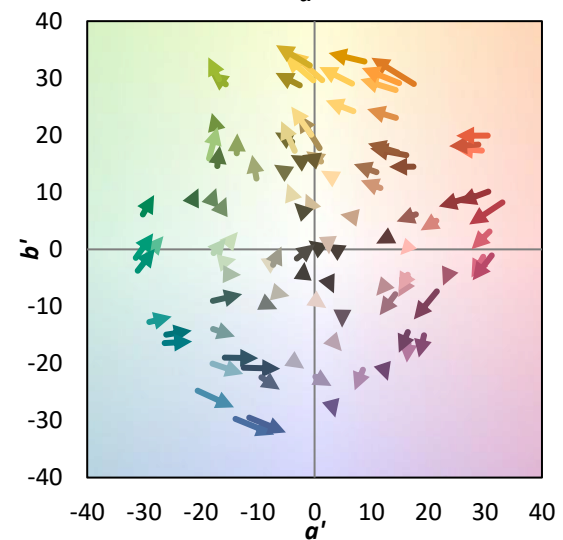
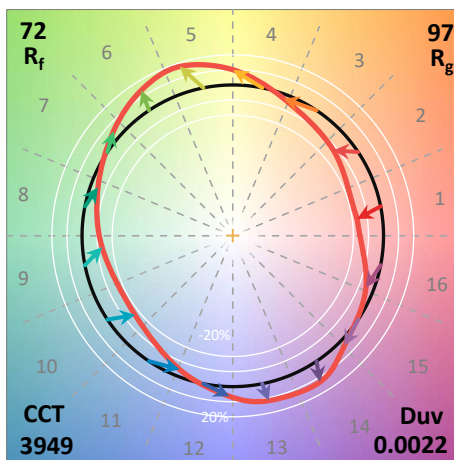
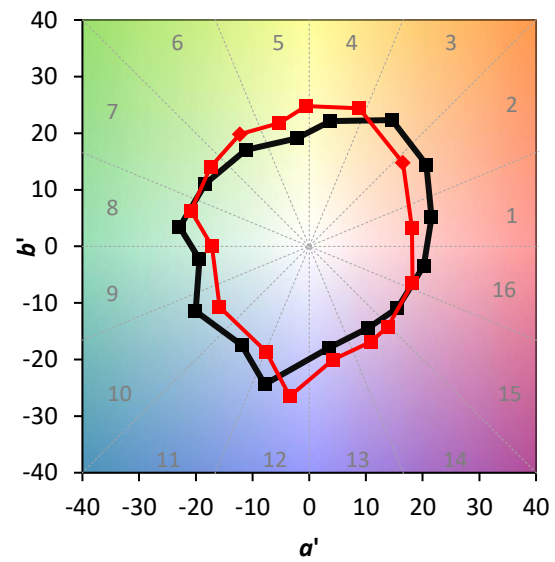
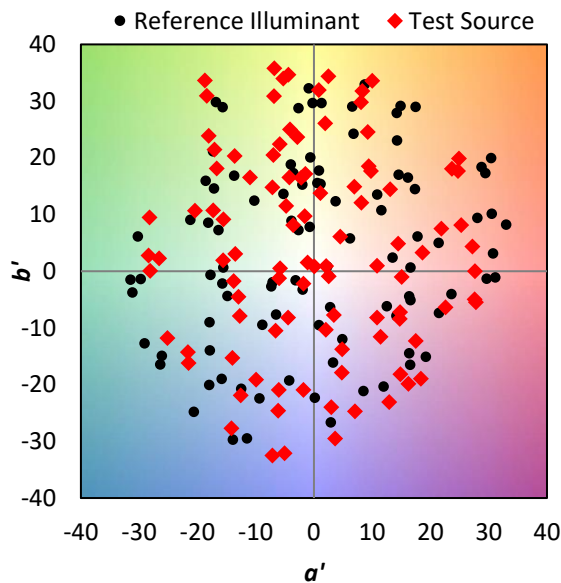
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

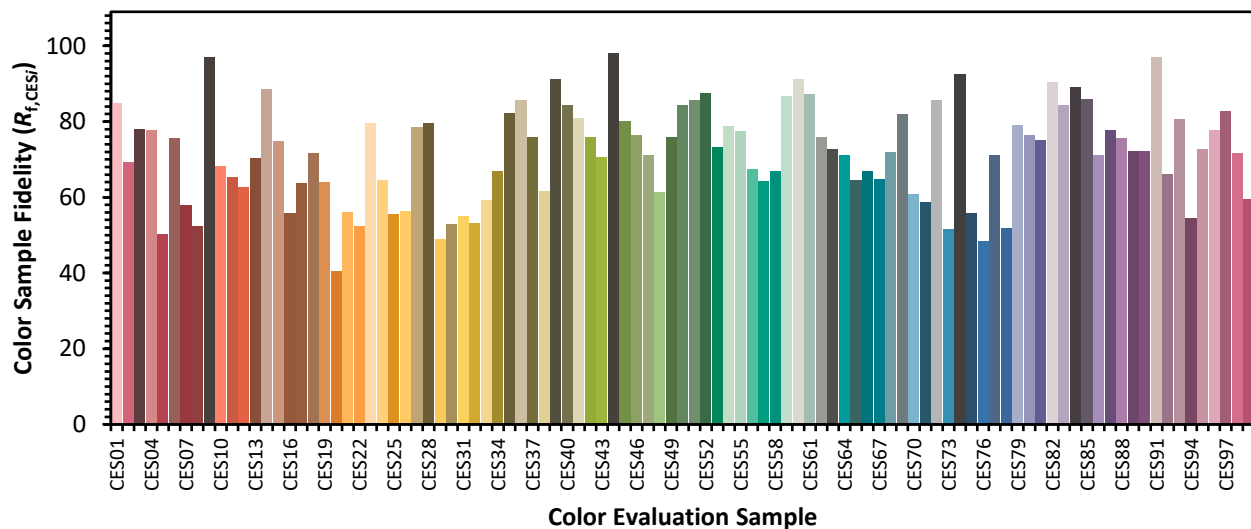


Color Vector Graphics

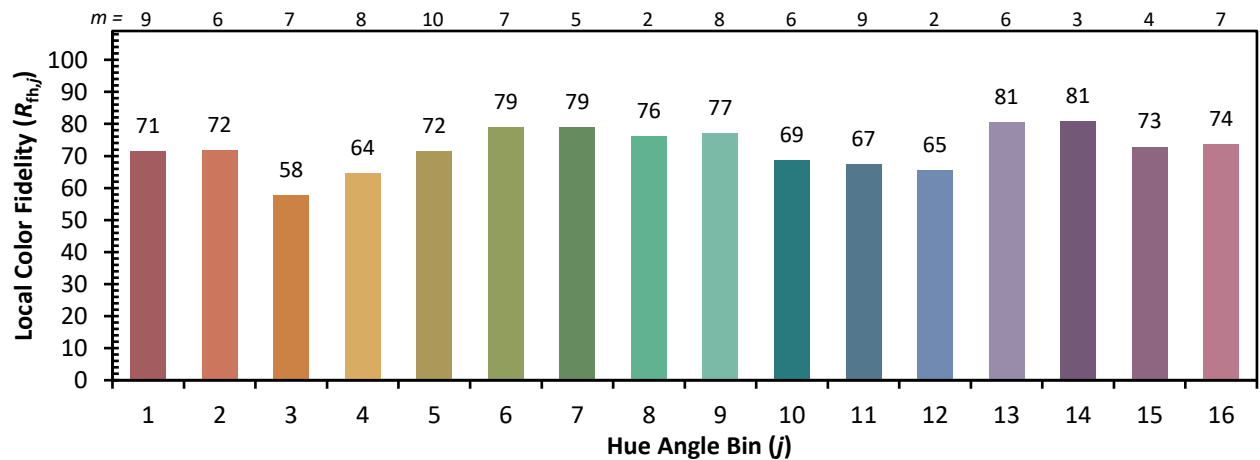
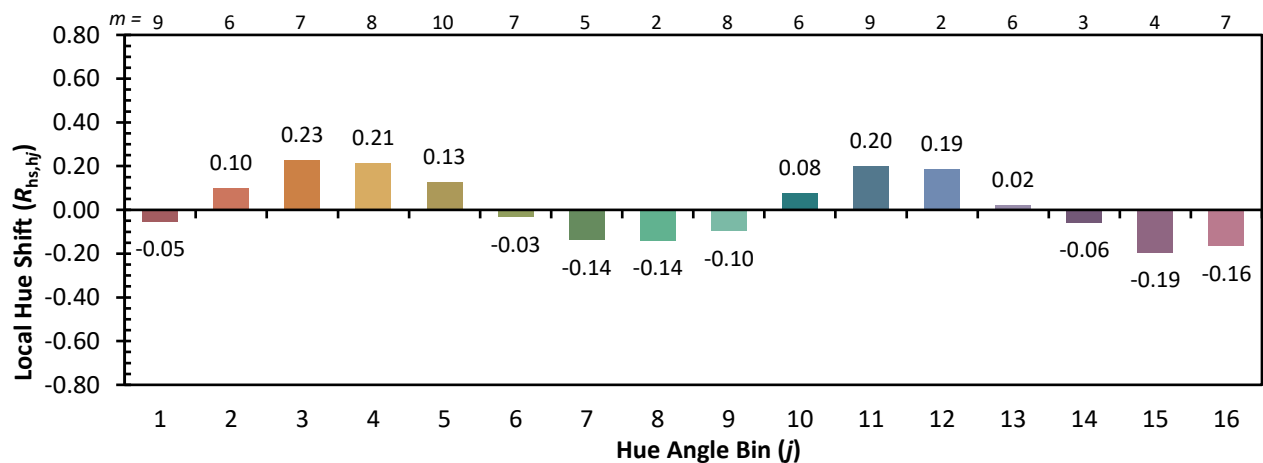
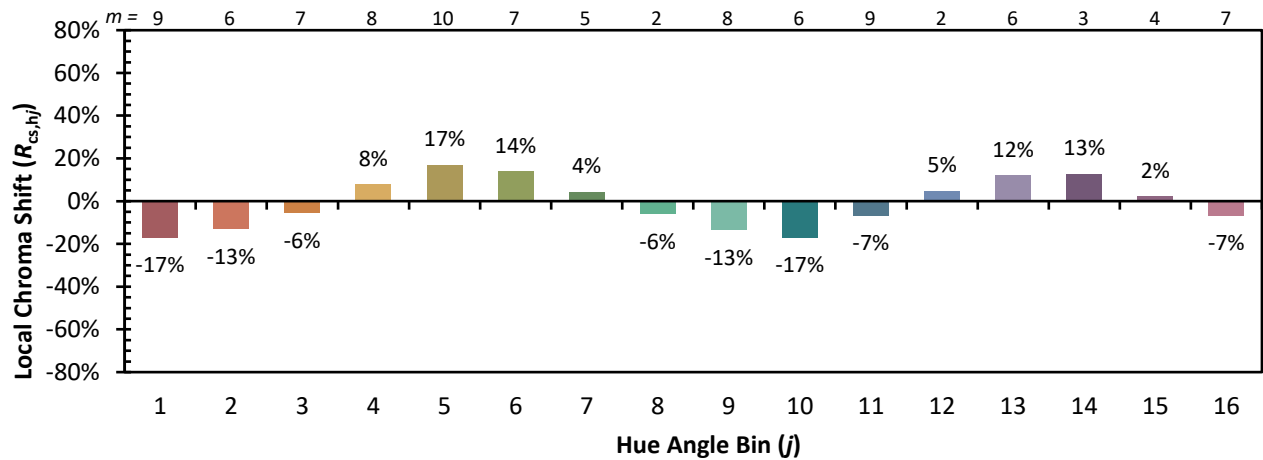


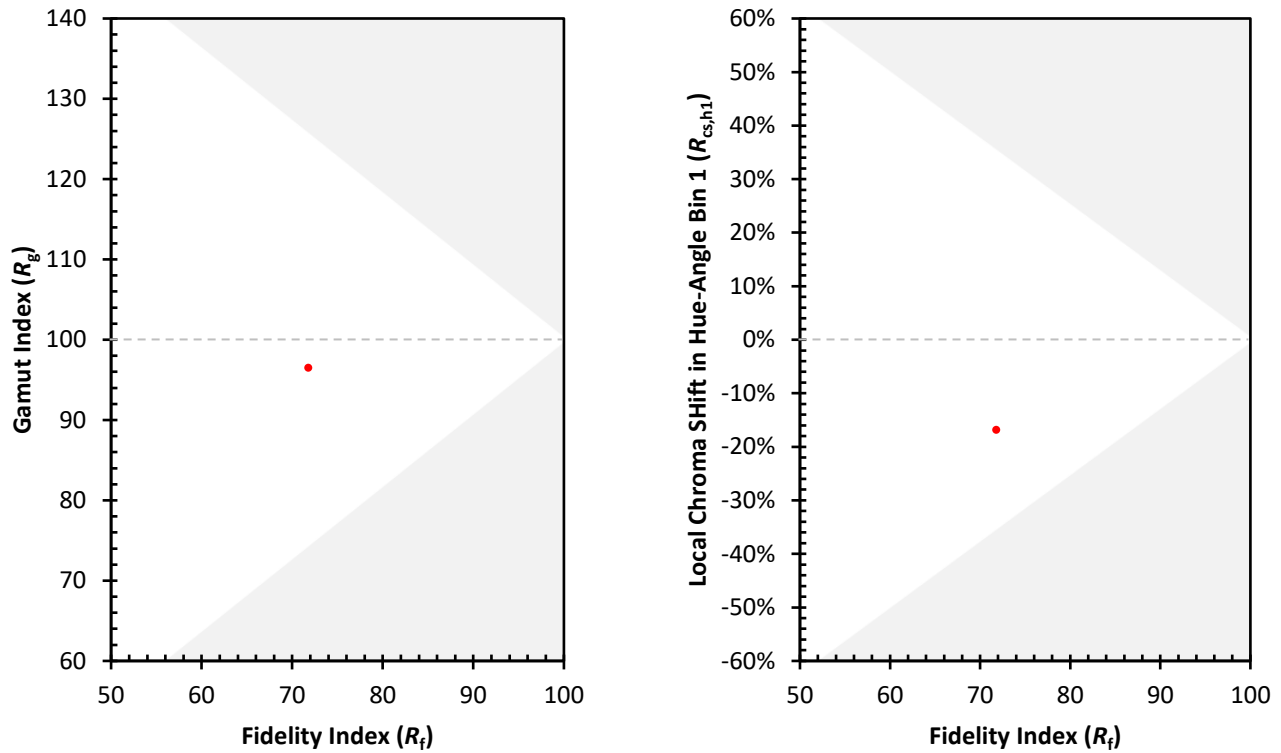
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)