

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: P1048822

Luminaire Tested: **GALN-SA3B-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048822
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3B-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11272.6 lumens
Efficiency: N/A
Efficacy: 106.1 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): 106.2
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

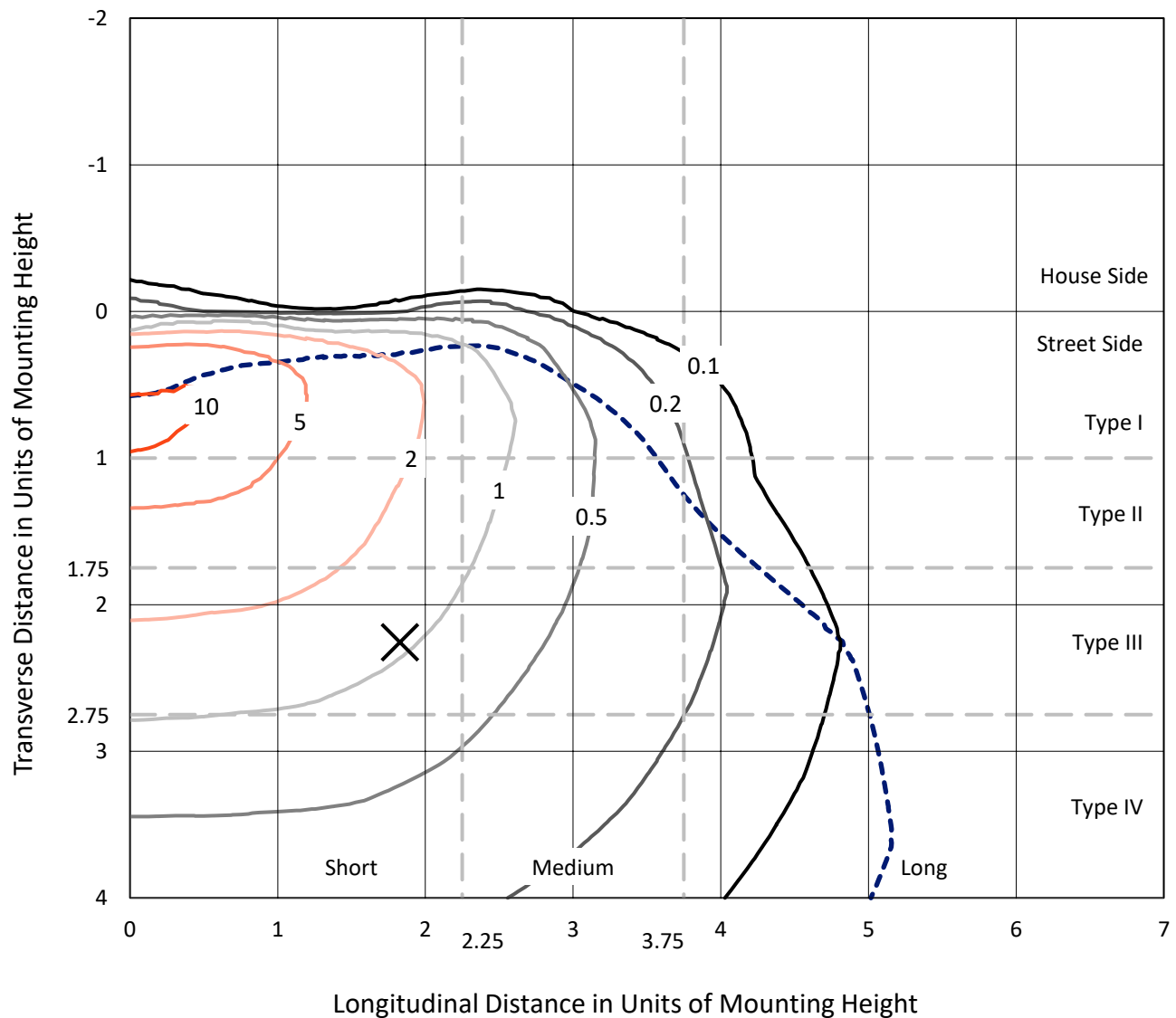


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

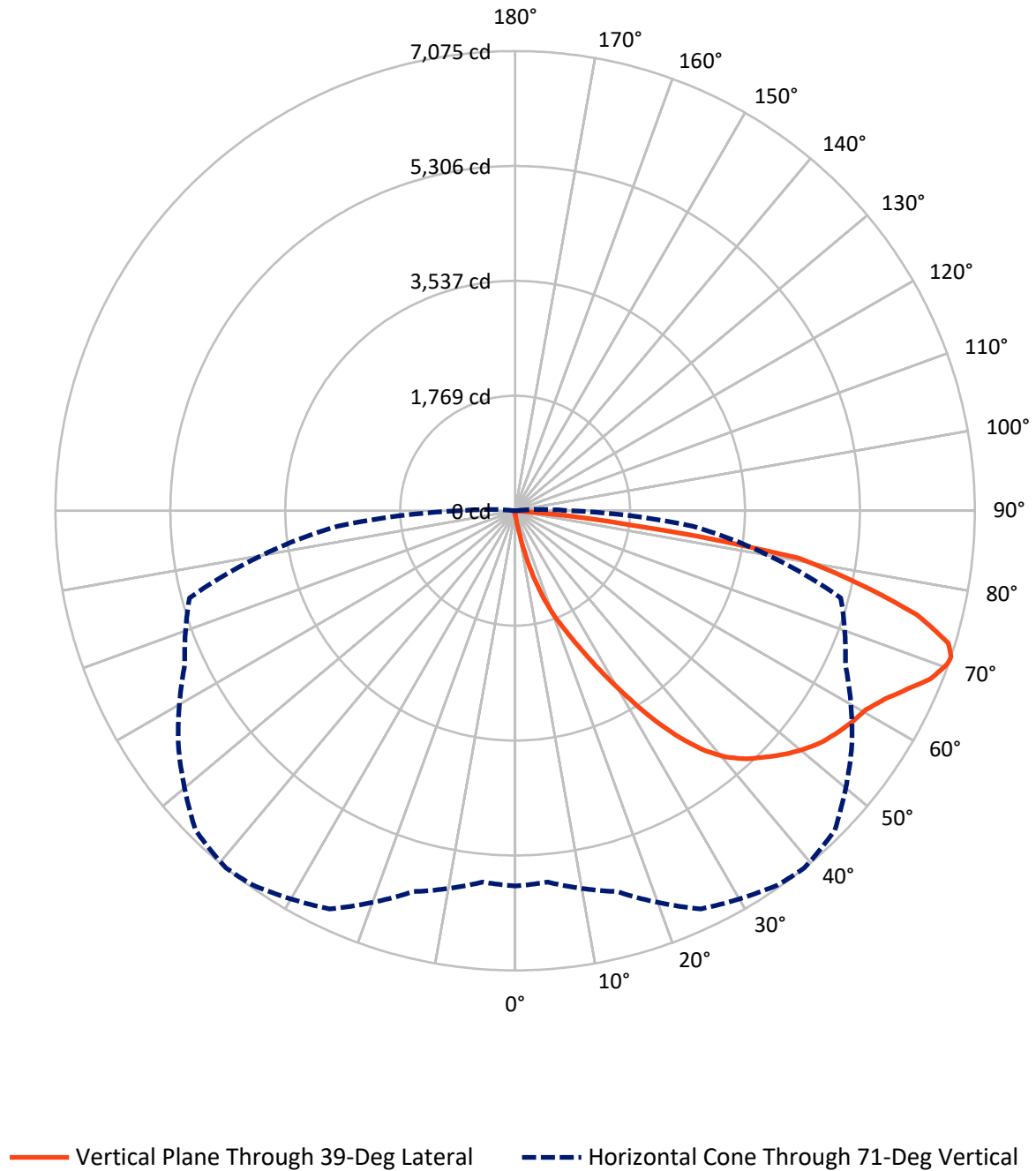


Based on 15 foot mounting height. Maximum calculated value = 11.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40.1	0.0	40.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	11232.5	0.0	11232.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	11272.6	0.0	11272.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.1
10°-20°	120.5	1.1
20°-30°	429.1	3.8
30°-40°	1034.1	9.2
40°-50°	1730.6	15.4
50°-60°	2222.8	19.7
60°-70°	2812.9	25.0
70°-80°	2507.8	22.2
80°-90°	405.4	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°	11272.6	100.0
0°-180°	11272.6	100.0



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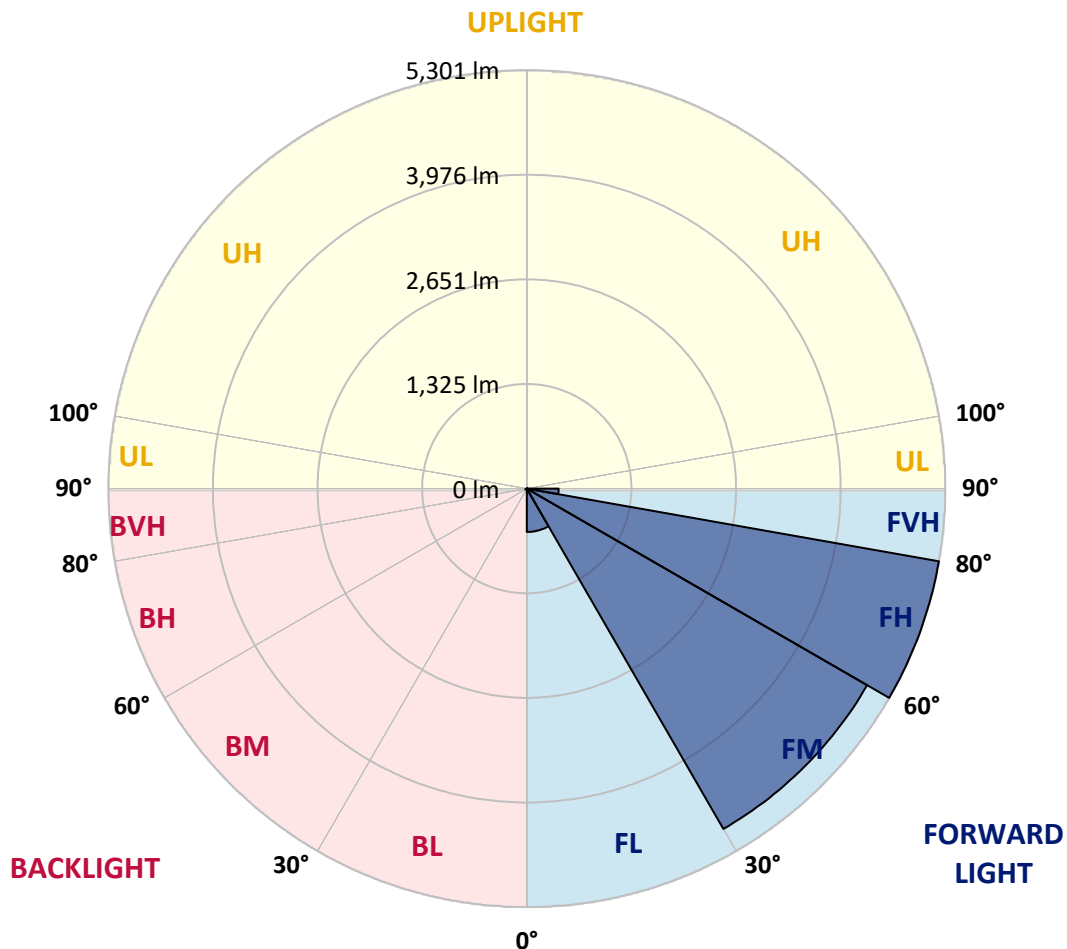
CATALOG NUMBER: GALN-SA3B-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	549.3	4.9			
FM	(30°-60°)	4978.2	44.2			
FH	(60°-80°)	5301.5	47.0			G3/7500
FVH	(80°-90°)	403.5	3.6			G3/500
BL	(0°-30°)	9.7	0.1	B0/110		
BM	(30°-60°)	9.3	0.1	B0/220		
BH	(60°-80°)	19.3	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	71.0	71.0	71.0	68.7	68.7	67.9	67.2	67.2	65.6	64.9	63.3
5°	107.6	105.3	100.0	96.9	90.8	87.0	83.2	77.8	72.5	68.7	64.1
7.5°	243.4	248.8	231.2	198.4	164.8	150.3	125.9	101.5	83.9	72.5	64.9
10°	620.4	617.3	557.8	492.2	380.0	335.0	262.5	165.6	108.4	79.4	65.6
12.5°	1055.4	1052.3	982.1	892.8	744.8	650.9	513.6	309.1	155.7	90.0	65.6
15°	1420.9	1408.7	1386.5	1298.0	1124.8	1046.2	864.6	546.4	251.8	108.4	67.2
17.5°	1662.8	1652.1	1631.5	1599.4	1489.6	1396.5	1250.7	858.5	407.5	140.4	70.2
20°	1884.8	1877.2	1860.4	1854.3	1783.3	1733.7	1613.2	1217.1	634.9	190.8	74.8
22.5°	2190.1	2174.0	2180.9	2144.3	2074.8	2015.3	1941.3	1592.6	912.7	274.7	83.2
25°	2564.0	2556.4	2537.3	2511.3	2415.2	2363.3	2249.6	1946.6	1223.2	384.6	92.3
27.5°	3015.7	3007.3	3002.8	2943.2	2832.6	2776.1	2617.4	2280.9	1572.7	538.7	104.5
30°	3536.2	3540.0	3510.2	3433.9	3305.0	3225.6	3062.3	2631.1	1930.6	719.6	117.5
32.5°	4074.9	4067.3	4021.5	3931.4	3816.2	3742.2	3534.6	3015.0	2306.1	958.4	132.8
35°	4655.6	4641.1	4520.6	4417.5	4319.1	4226.0	4036.8	3460.6	2681.5	1226.3	153.4
37.5°	5241.7	5173.8	4931.9	4801.4	4733.5	4657.1	4480.9	3936.0	3054.7	1525.4	178.6
40°	5684.3	5631.6	5344.7	5104.3	5050.1	4985.3	4854.0	4346.6	3451.5	1846.7	209.1
42.5°	5929.2	5900.2	5642.3	5405.0	5277.5	5220.3	5108.1	4705.2	3843.7	2201.5	253.3
45°	6033.8	5988.7	5816.3	5705.6	5502.7	5408.0	5274.5	4976.1	4253.5	2604.4	315.2
47.5°	6001.7	5975.8	5852.2	5892.6	5745.3	5598.0	5401.9	5183.7	4603.7	3066.9	399.9
50°	5800.3	5778.1	5740.0	5959.0	5940.7	5766.7	5566.8	5347.7	4889.9	3543.8	531.1
52.5°	5417.2	5408.0	5505.7	5907.1	6051.3	5915.5	5725.5	5492.7	5157.0	4042.1	718.8
55°	4923.5	4960.9	5240.2	5826.2	6107.8	6025.4	5865.9	5628.6	5371.4	4487.7	995.8
57.5°	4720.5	4730.4	5079.1	5769.0	6133.0	6122.3	6002.5	5758.3	5568.3	4844.1	1418.6
60°	4957.8	4942.5	5126.5	5812.5	6183.3	6209.3	6123.8	5878.9	5739.2	5150.1	1981.7
62.5°	5386.7	5378.3	5437.0	5997.9	6330.6	6383.3	6292.5	5965.9	5890.3	5351.6	2624.3
65°	5769.7	5752.2	5861.3	6326.8	6589.3	6626.7	6547.3	6114.7	5956.7	5498.1	3227.9
67.5°	5935.3	5931.5	6107.0	6639.7	6861.0	6901.4	6832.0	6319.9	5941.4	5544.6	3494.2
70°	5859.8	5845.3	6126.1	6772.4	7014.3	7060.1	6993.0	6396.2	5775.8	5397.3	3099.7
71°	5776.6	5737.7	6068.9	6763.3	7035.7	7074.6	6957.1	6326.8	5609.5	5188.3	2741.8
72.5°	5518.7	5525.5	5911.7	6667.9	6984.6	6973.1	6754.1	6078.0	5408.8	4713.6	2202.3
75°	4883.8	4924.2	5402.7	6267.3	6528.3	6382.5	6047.5	5602.6	5005.9	3379.7	1529.2
77.5°	3991.0	4051.3	4577.0	5496.6	5422.5	5408.0	5394.3	4936.4	4274.8	1815.4	1063.7
80°	1905.4	2035.9	2760.9	3923.8	4262.6	4426.7	4323.7	3978.0	3305.7	864.6	635.7
82.5°	124.4	122.9	174.0	329.7	1389.6	1796.3	2854.0	2843.3	2304.5	421.2	259.5
85°	58.8	60.3	66.4	75.5	87.8	96.1	132.8	778.4	1102.7	200.7	56.5
87.5°	34.3	35.1	41.2	52.7	68.7	76.3	90.8	116.8	143.5	110.6	12.2
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-SA3B-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2.5°	62.6	61.8	59.5	57.2	54.9	53.4	52.7	53.4	53.4	54.2	54.2
5°	62.6	60.3	56.5	51.9	48.8	45.8	44.3	43.5	44.3	44.3	44.3
7.5°	61.8	58.0	52.7	47.3	43.5	39.7	38.2	37.4	37.4	38.2	38.2
10°	60.3	56.5	49.6	43.5	38.9	34.3	32.0	29.8	29.8	29.8	30.5
12.5°	59.5	54.2	45.8	39.7	33.6	28.2	23.7	21.4	22.1	22.1	22.1
15°	58.0	51.9	43.5	35.9	28.2	21.4	17.6	15.3	16.0	16.8	16.0
17.5°	58.0	51.1	40.4	31.3	22.1	16.0	13.0	11.4	11.4	12.2	12.2
20°	58.0	49.6	38.2	26.7	16.8	12.2	9.2	8.4	8.4	9.9	10.7
22.5°	59.5	49.6	35.1	22.1	13.7	9.2	6.9	6.1	6.9	8.4	9.2
25°	61.8	48.8	32.0	19.8	11.4	6.9	5.3	3.8	4.6	6.1	6.9
27.5°	64.1	48.1	29.0	17.6	9.2	5.3	3.8	3.1	2.3	3.1	3.1
30°	66.4	48.1	25.9	14.5	7.6	3.8	2.3	1.5	0.8	0.0	0.0
32.5°	67.9	46.5	23.7	11.4	6.1	3.1	1.5	0.8	0.0	0.0	0.0
35°	69.4	45.0	20.6	9.2	4.6	2.3	0.8	0.0	0.0	0.0	0.0
37.5°	71.0	42.7	17.6	7.6	3.8	1.5	0.0	0.0	0.0	0.0	0.0
40°	72.5	39.7	14.5	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	74.0	37.4	12.2	5.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	77.8	35.9	9.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	84.7	34.3	9.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	94.6	32.8	8.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	108.4	32.0	7.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	132.8	31.3	6.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	174.7	30.5	6.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	267.8	29.0	6.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	478.5	28.2	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	834.1	29.0	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1195.8	30.5	5.3	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	1023.3	26.7	5.3	3.1	1.5	0.8	0.0	0.0	0.0	0.0	0.0
71°	834.1	23.7	5.3	3.1	1.5	0.8	0.8	0.0	0.0	0.0	0.0
72.5°	536.5	18.3	4.6	3.1	1.5	1.5	0.8	0.0	0.0	0.0	0.0
75°	226.6	15.3	4.6	3.1	2.3	1.5	1.5	0.8	0.0	0.0	0.0
77.5°	96.9	11.4	4.6	3.8	3.1	2.3	2.3	1.5	0.8	0.0	0.0
80°	36.6	9.2	5.3	4.6	3.8	3.8	3.1	1.5	0.8	0.0	0.0
82.5°	16.8	7.6	5.3	4.6	4.6	3.8	3.1	2.3	1.5	0.0	0.0
85°	10.7	6.9	5.3	4.6	4.6	3.8	3.8	2.3	1.5	0.0	0.0
87.5°	8.4	6.9	5.3	5.3	4.6	4.6	3.1	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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

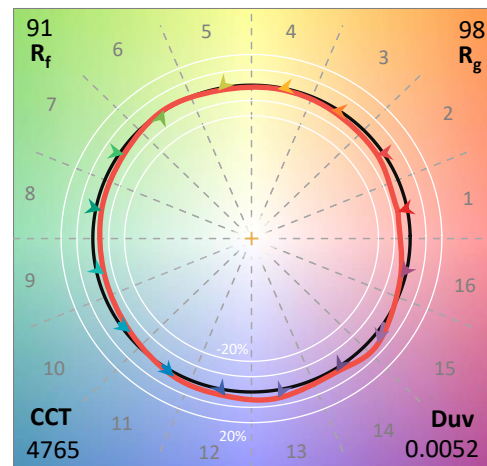
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

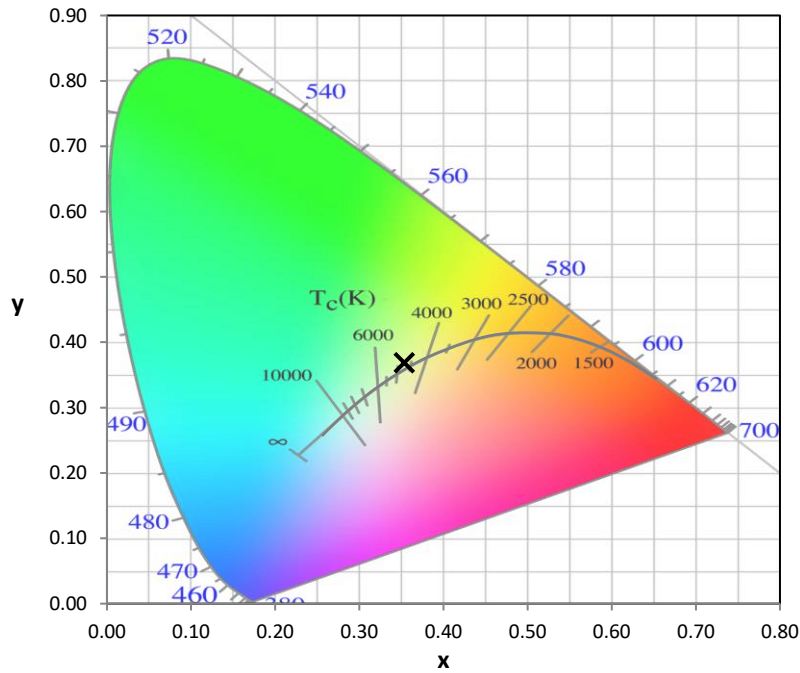
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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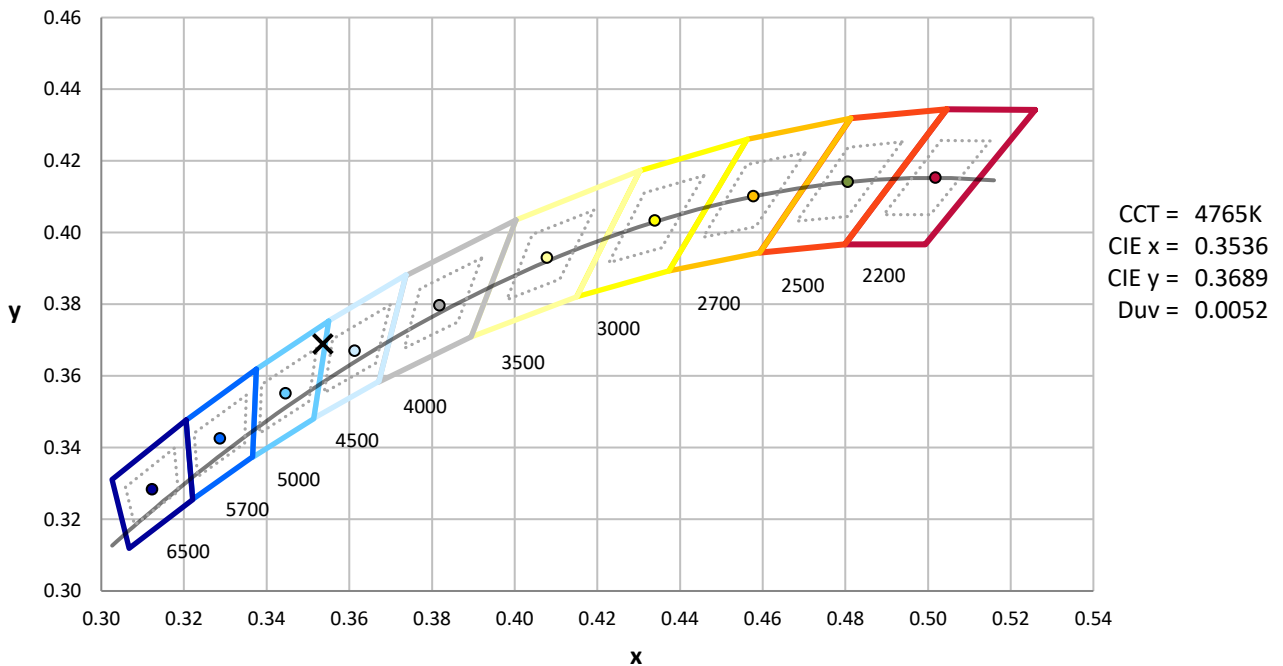
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



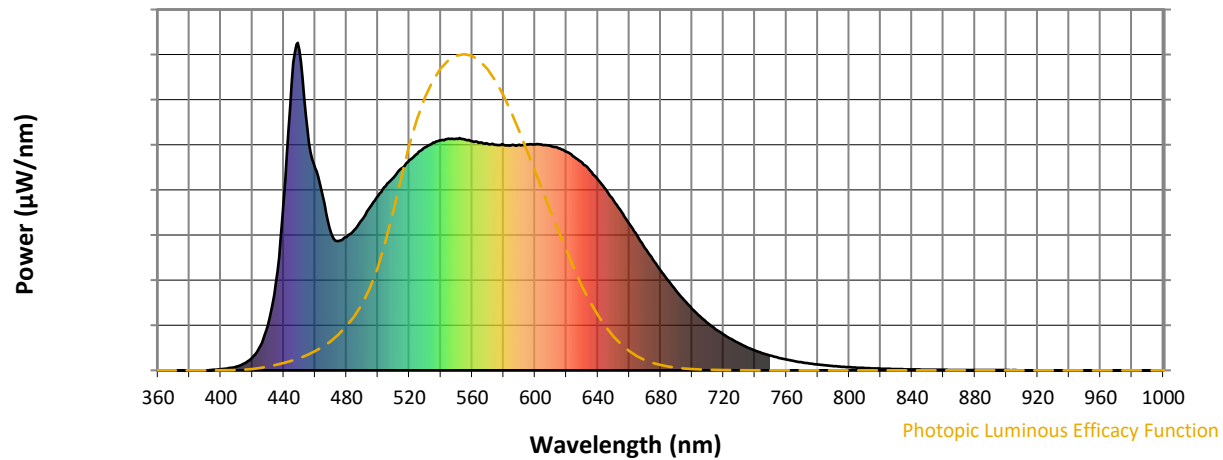
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

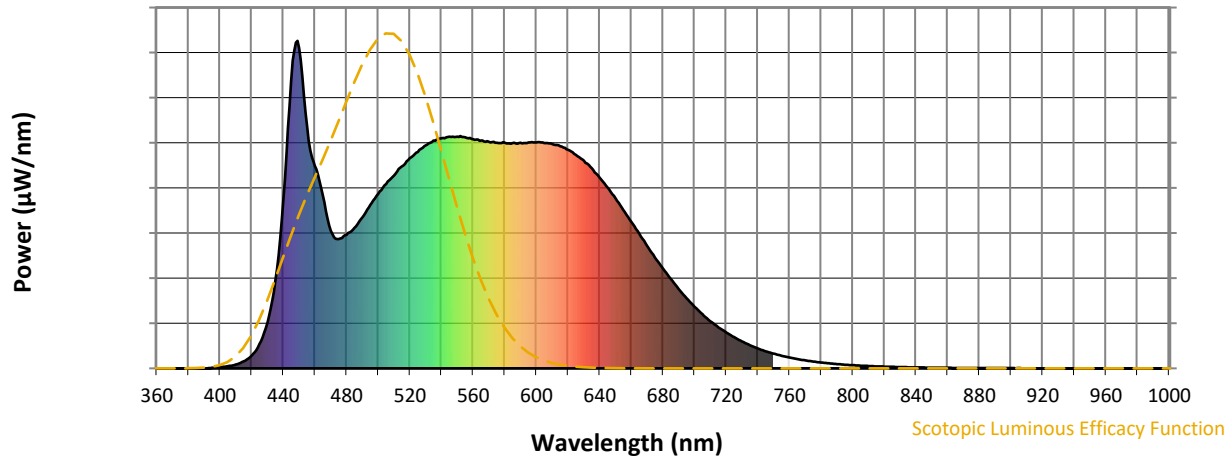


Photopic Lumens: NR

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



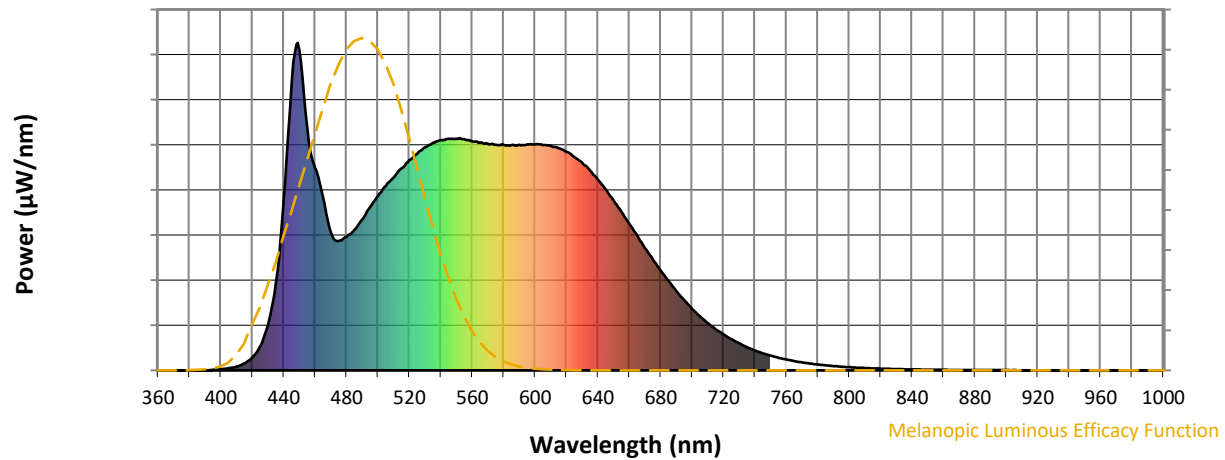
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

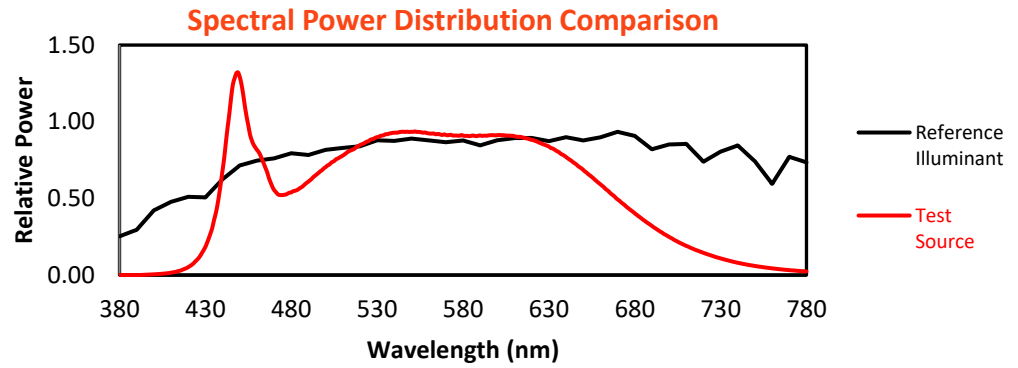
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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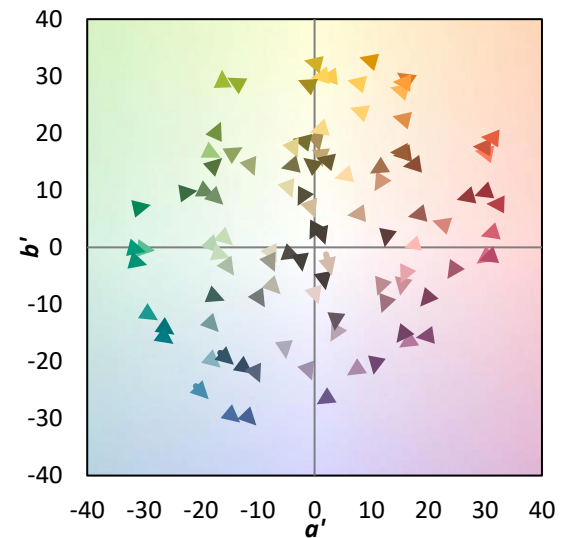
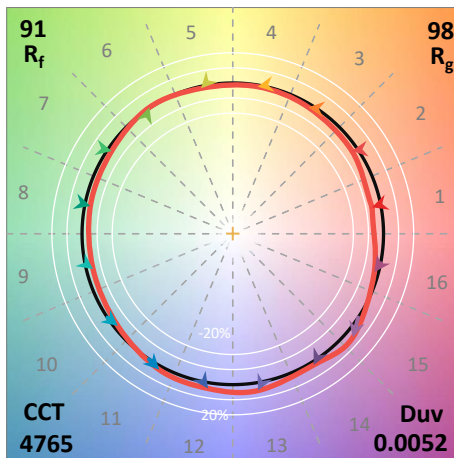
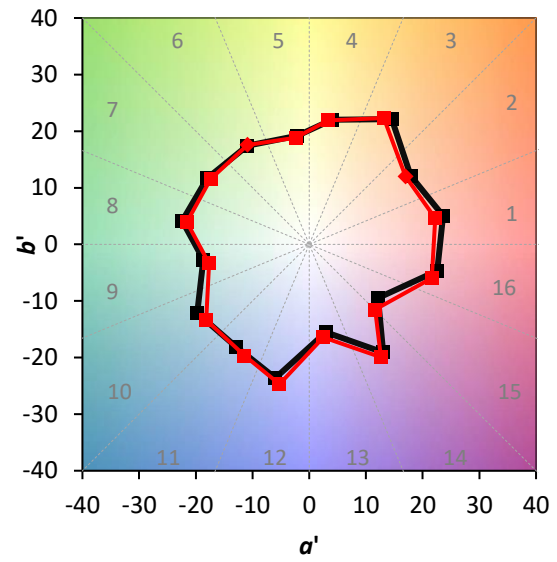
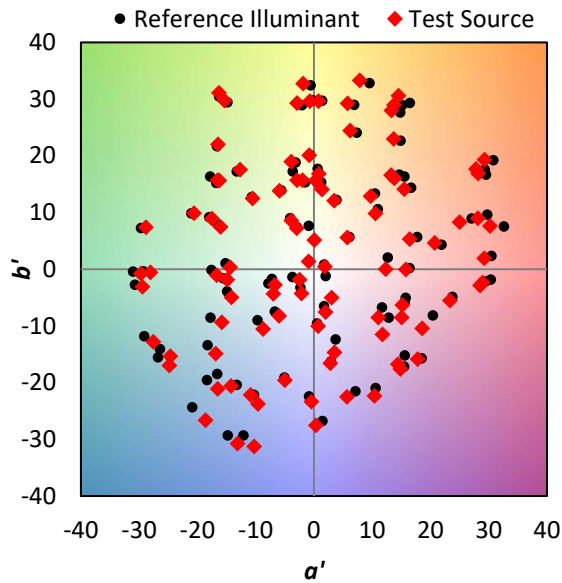
TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

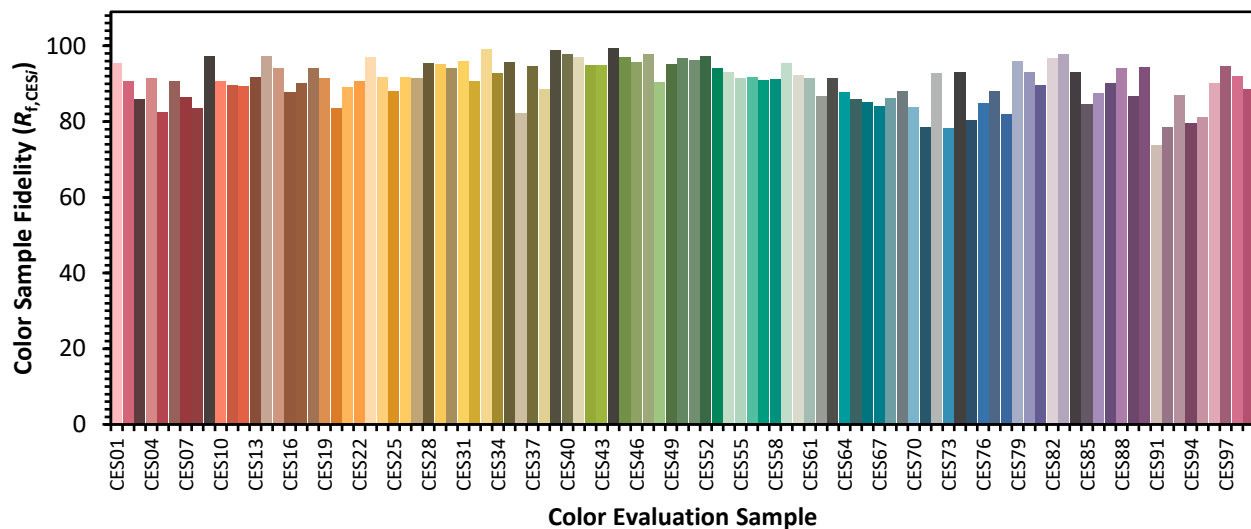


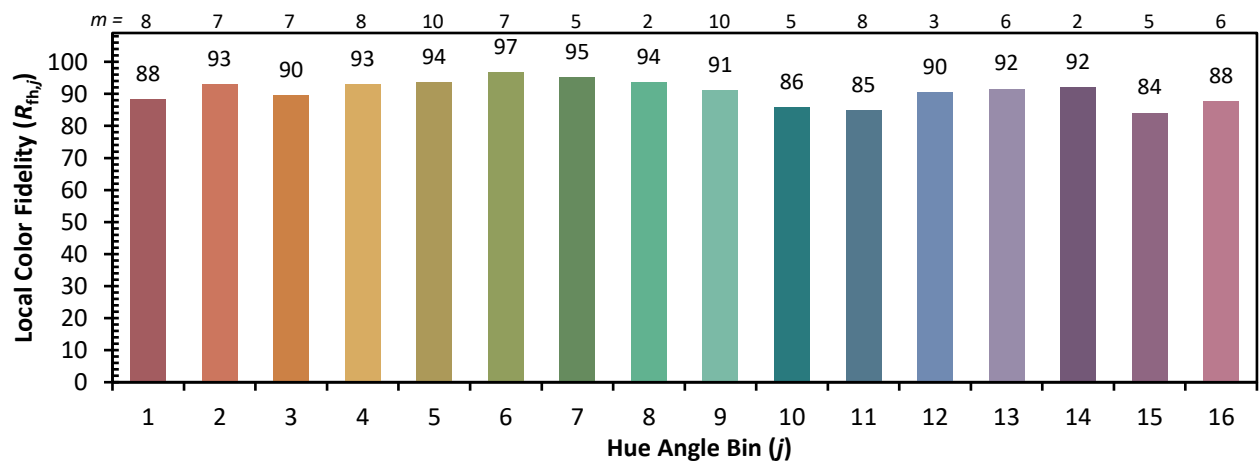
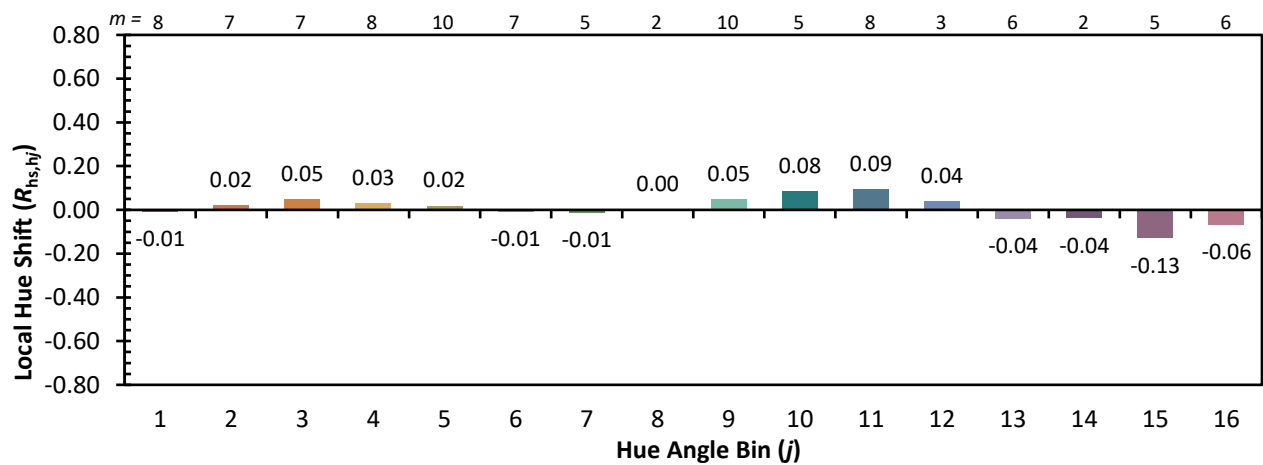
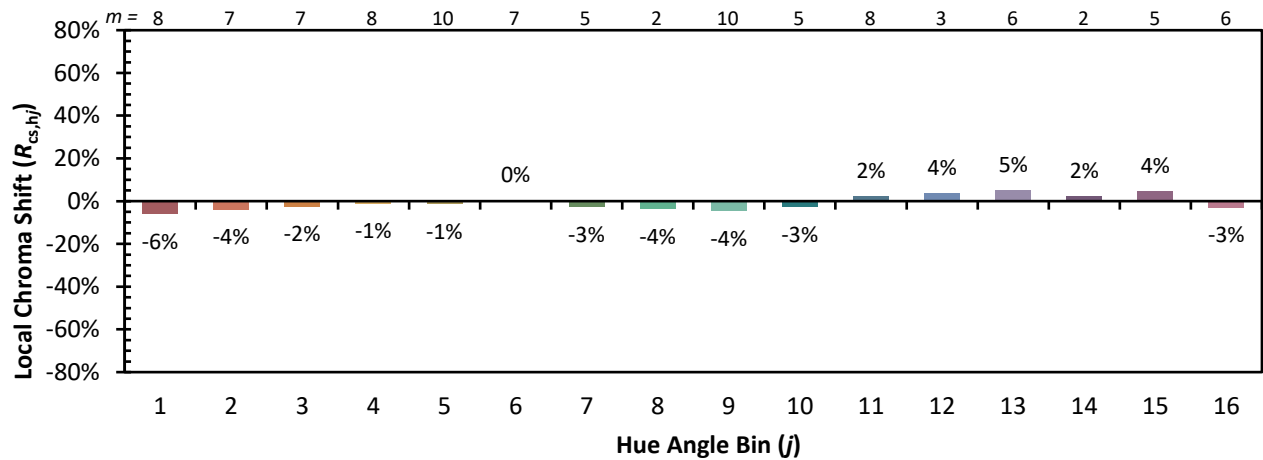
Color Vector Graphics



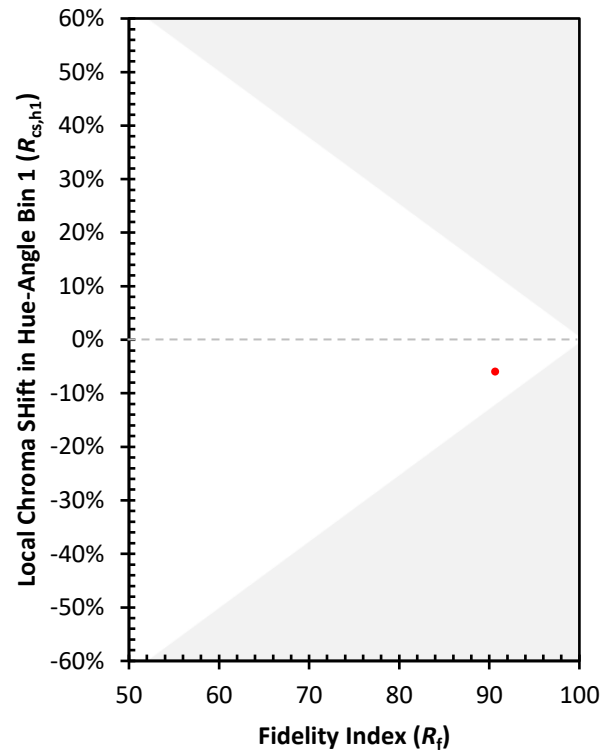
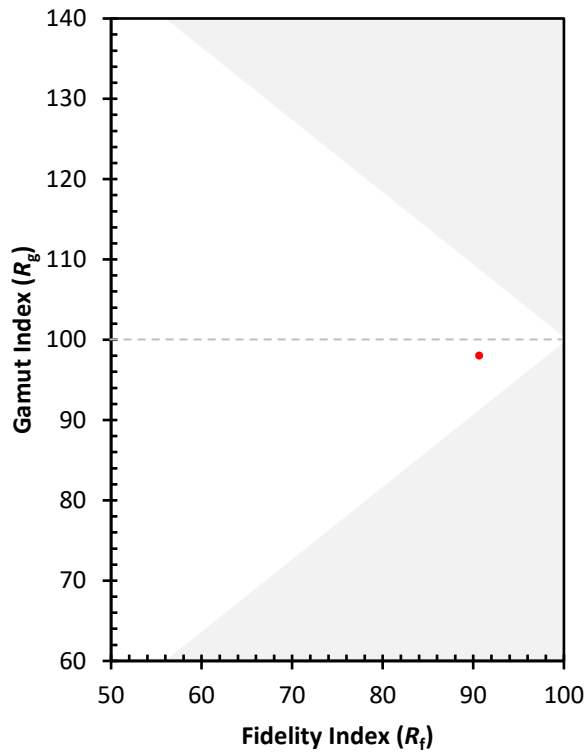
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)