

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: P1047058

Luminaire Tested: **GALN-SA3B-722-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047058
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3B-722-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10783 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

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

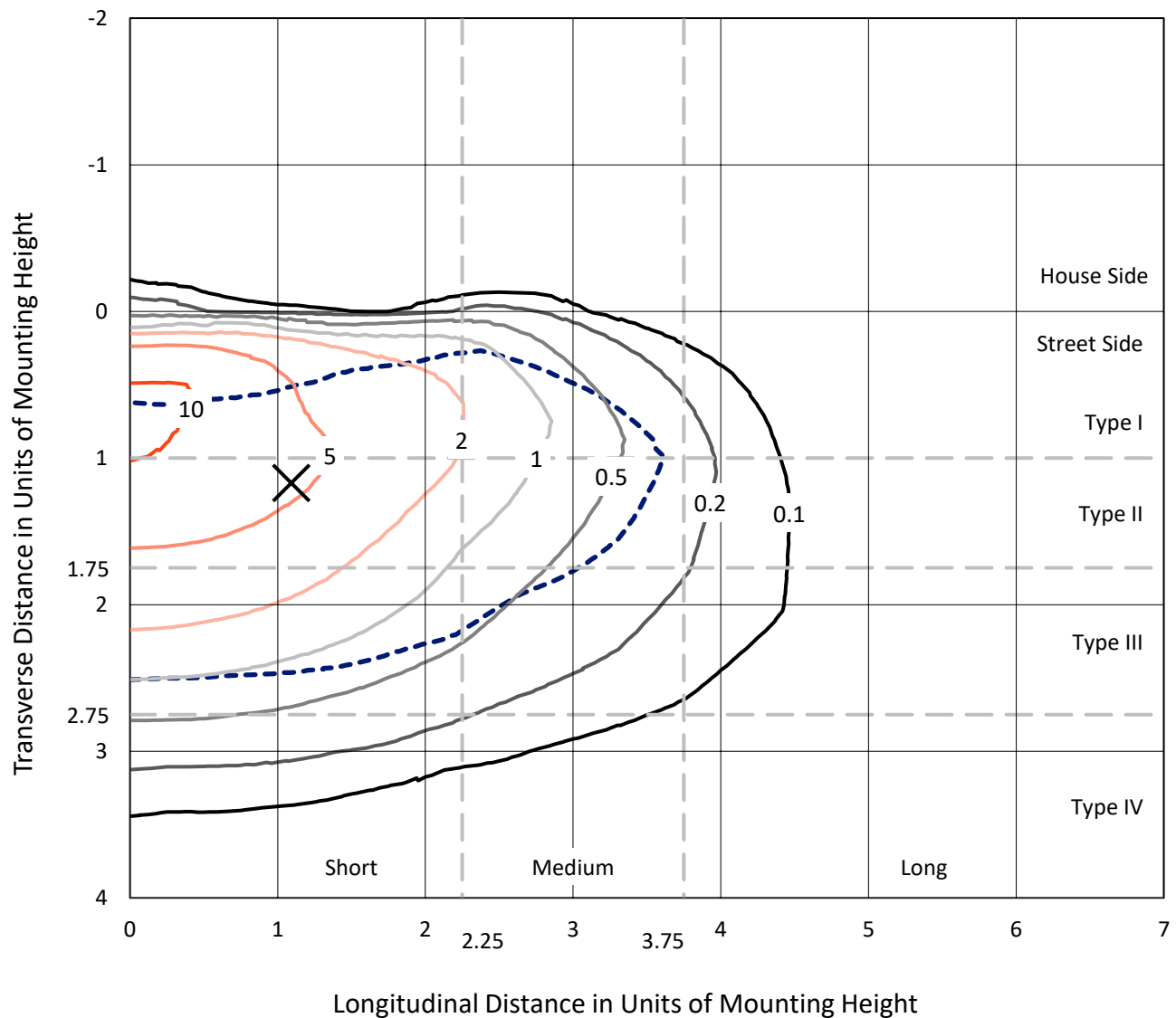


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

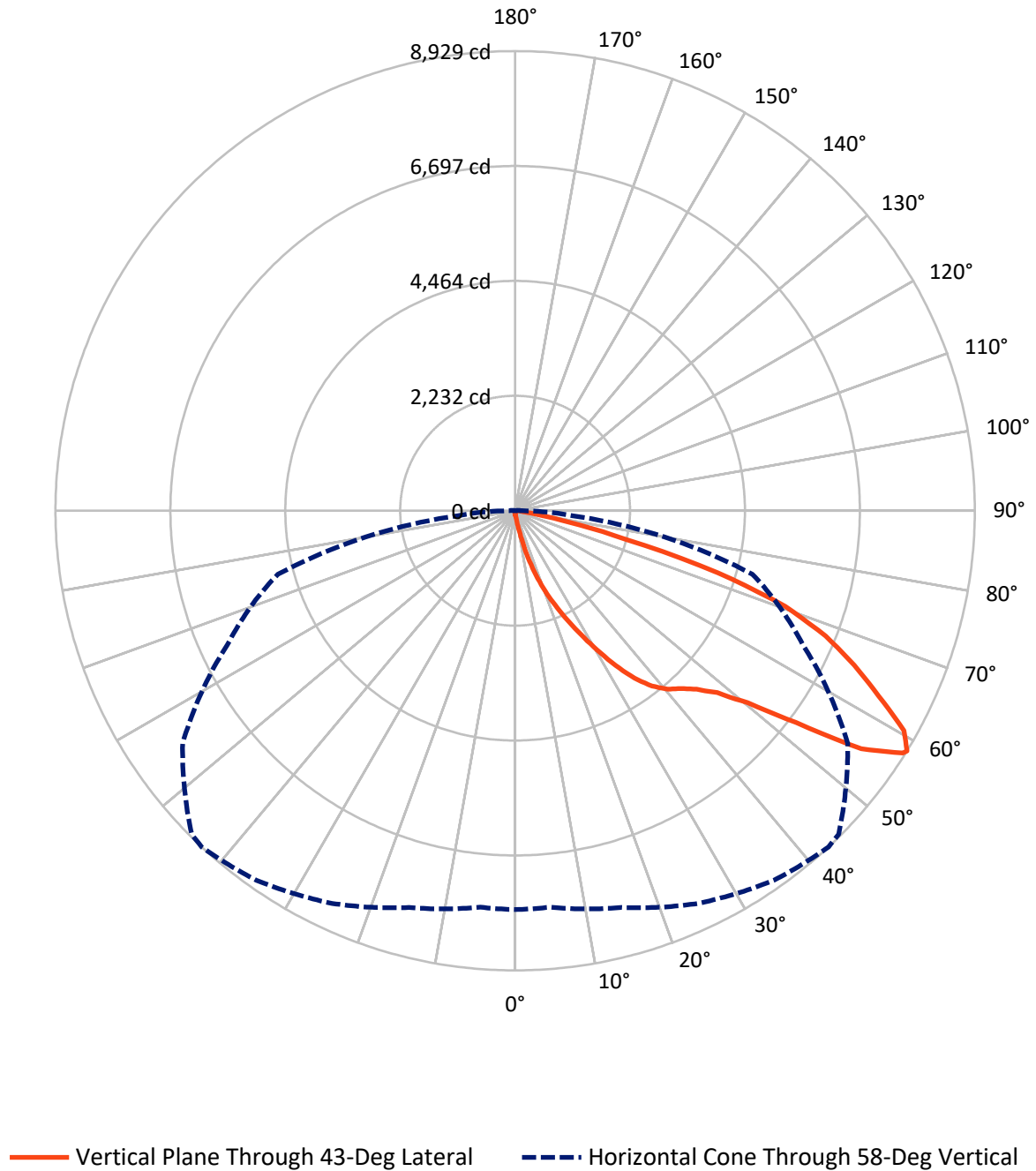


Based on 15 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39.4	0.0	39.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10743.7	0.0	10743.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	10783.0	0.0	10783.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	123.9	1.1
20°-30°	446.8	4.1
30°-40°	1022.2	9.5
40°-50°	1724.0	16.0
50°-60°	2845.0	26.4
60°-70°	3179.7	29.5
70°-80°	1312.8	12.2
80°-90°	118.3	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°	10783.0	100.0
0°-180°	10783.0	100.0



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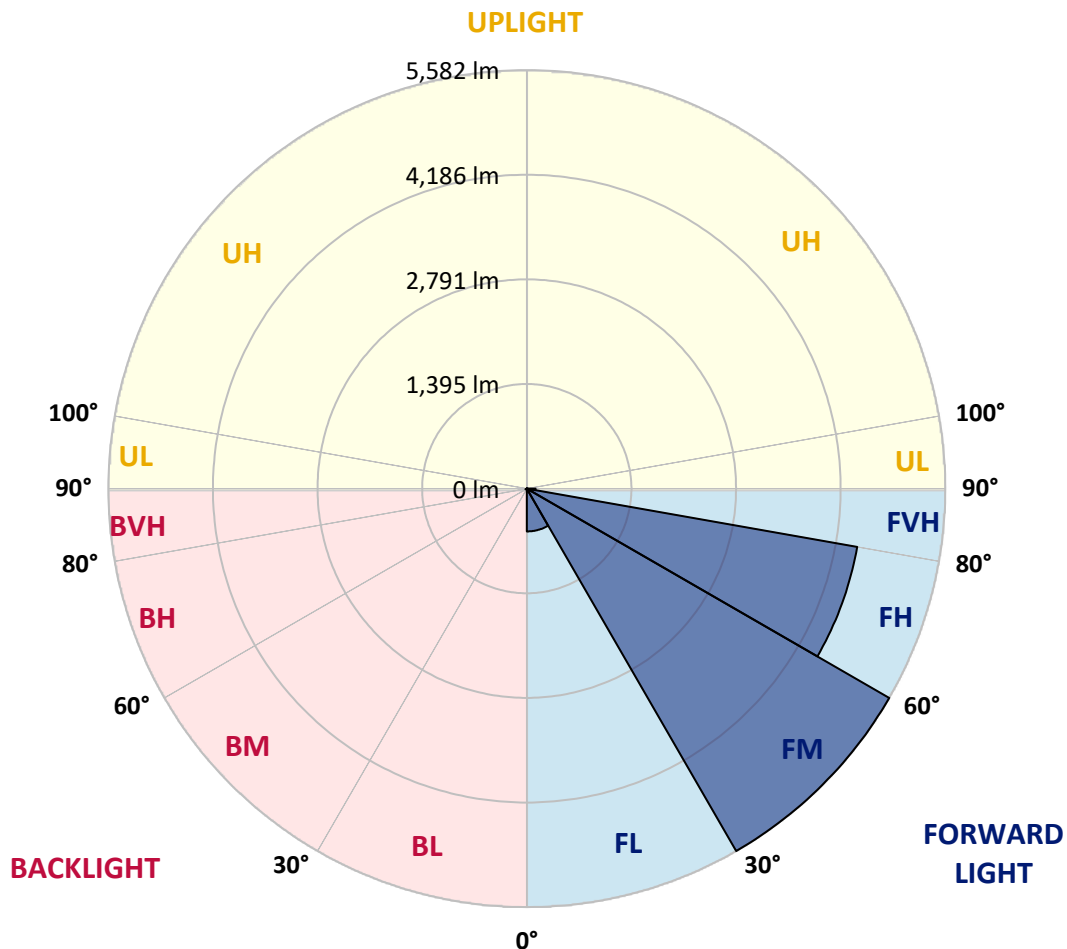
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	570.8	5.3			
FM	(30°-60°)	5581.7	51.8			
FH	(60°-80°)	4474.5	41.5			G2/5000
FVH	(80°-90°)	116.7	1.1			G2/225
BL	(0°-30°)	10.3	0.1	B0/110		
BM	(30°-60°)	9.4	0.1	B0/220		
BH	(60°-80°)	18.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2.5°	84.6	87.4	84.6	84.6	84.6	81.8	81.8	79.0	79.0	76.1	73.3
5°	124.1	124.1	115.6	110.0	104.3	101.5	98.7	93.1	87.4	81.8	76.1
7.5°	276.4	276.4	251.0	217.2	172.0	146.7	141.0	115.6	98.7	87.4	76.1
10°	659.9	659.9	603.5	510.5	394.8	293.3	262.3	166.4	118.4	93.1	79.0
12.5°	1097.1	1111.2	1040.7	922.2	750.2	572.5	510.5	304.6	157.9	101.5	79.0
15°	1489.1	1455.2	1435.5	1322.7	1159.1	947.6	868.6	513.3	228.4	115.6	79.0
17.5°	1754.2	1754.2	1726.0	1649.8	1500.3	1314.2	1249.4	829.1	369.4	132.5	81.8
20°	2064.4	2064.4	2013.6	1960.0	1827.5	1669.6	1607.5	1178.8	572.5	169.2	81.8
22.5°	2439.5	2445.1	2388.7	2292.8	2165.9	1991.1	1937.5	1503.2	829.1	225.6	84.6
25°	2896.4	2902.0	2820.2	2730.0	2535.4	2346.4	2264.6	1875.4	1142.2	315.9	84.6
27.5°	3401.2	3440.6	3319.4	3164.3	2958.4	2721.5	2659.5	2211.0	1452.4	445.6	90.2
30°	4030.1	4030.1	3869.3	3652.2	3429.4	3136.1	3057.1	2563.6	1782.4	617.6	95.9
32.5°	4571.6	4529.2	4323.4	4094.9	3858.0	3584.5	3499.9	2933.0	2120.8	832.0	107.2
35°	4986.1	4949.5	4695.6	4450.3	4244.4	3993.4	3891.9	3333.5	2479.0	1074.5	124.1
37.5°	5341.5	5327.4	4983.3	4675.9	4540.5	4320.6	4230.3	3711.4	2831.5	1336.8	143.8
40°	5730.7	5685.5	5318.9	4938.2	4735.1	4557.5	4475.7	4016.0	3169.9	1644.2	172.0
42.5°	6063.4	6009.9	5679.9	5307.6	4960.7	4721.0	4642.1	4272.6	3499.9	1951.6	208.7
45°	6432.9	6404.7	6071.9	5789.9	5327.4	4943.8	4839.5	4478.5	3801.6	2318.2	256.6
47.5°	6988.5	6937.7	6627.5	6396.2	5860.4	5282.2	5132.8	4690.0	4092.1	2679.2	330.0
50°	7634.3	7600.5	7417.1	7233.8	6700.8	5860.4	5682.7	4994.6	4416.4	3107.9	425.9
52.5°	8161.7	8156.0	8178.6	8181.4	7778.1	6833.4	6568.3	5485.3	4788.7	3530.9	561.2
55°	8150.4	8175.8	8424.0	8708.8	8739.8	8161.7	7905.0	6311.6	5273.8	4052.6	750.2
57.5°	7845.8	7826.1	8088.3	8517.0	8818.8	8880.8	8838.5	7594.8	6004.2	4681.5	1040.7
58°	7747.1	7730.2	7978.4	8415.5	8762.4	8928.8	8886.5	7885.3	6167.8	4771.8	1119.6
60°	7388.9	7391.8	7538.4	7936.1	8282.9	8677.8	8717.3	8714.4	6982.8	5375.3	1517.3
62.5°	6915.1	6892.6	7027.9	7352.3	7656.9	7922.0	7989.6	8770.8	8175.8	6142.4	2275.9
65°	6260.9	6227.0	6370.8	6737.5	7064.6	7236.6	7239.5	8015.0	8737.0	6965.9	3358.9
67.5°	5045.3	5017.1	5304.8	5775.8	6280.6	6506.2	6607.7	6954.6	8263.2	7524.3	3979.3
70°	3090.9	3150.2	3550.6	4289.5	5152.5	5567.1	5719.4	5826.5	7036.4	7439.7	3327.8
72.5°	1427.0	1356.5	1697.8	2213.9	3198.1	4120.3	4278.3	4698.5	5578.4	6458.3	2481.8
75°	665.6	640.2	719.2	967.3	1449.6	2225.1	2512.8	3750.9	4278.3	4492.6	1790.8
77.5°	341.2	344.1	408.9	440.0	597.9	1029.4	1181.7	2467.7	3136.1	2507.2	1201.4
80°	149.5	155.1	157.9	172.0	242.5	397.6	448.4	1145.0	2143.4	1277.6	657.1
82.5°	95.9	98.7	98.7	98.7	115.6	157.9	180.5	459.7	1068.9	634.5	203.1
85°	50.8	50.8	56.4	70.5	81.8	95.9	101.5	146.7	352.5	189.0	47.9
87.5°	28.2	31.0	33.8	42.3	53.6	64.9	70.5	101.5	135.4	129.7	11.3
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2.5°	73.3	70.5	67.7	64.9	62.0	59.2	59.2	59.2	59.2	59.2	59.2
5°	70.5	67.7	64.9	59.2	53.6	50.8	47.9	45.1	45.1	45.1	45.1
7.5°	70.5	67.7	59.2	53.6	47.9	42.3	36.7	36.7	36.7	36.7	36.7
10°	70.5	64.9	56.4	47.9	39.5	33.8	31.0	28.2	28.2	28.2	28.2
12.5°	70.5	62.0	53.6	42.3	33.8	28.2	25.4	22.6	22.6	22.6	22.6
15°	70.5	62.0	50.8	39.5	31.0	22.6	19.7	16.9	16.9	16.9	16.9
17.5°	67.7	59.2	47.9	33.8	25.4	16.9	14.1	11.3	11.3	14.1	14.1
20°	64.9	56.4	42.3	28.2	19.7	14.1	8.5	8.5	8.5	8.5	8.5
22.5°	64.9	56.4	39.5	25.4	16.9	8.5	5.6	5.6	5.6	5.6	8.5
25°	64.9	53.6	33.8	19.7	11.3	5.6	2.8	2.8	2.8	2.8	2.8
27.5°	64.9	53.6	31.0	16.9	8.5	5.6	2.8	0.0	0.0	0.0	0.0
30°	62.0	50.8	28.2	14.1	5.6	2.8	0.0	0.0	0.0	0.0	0.0
32.5°	62.0	47.9	22.6	11.3	5.6	2.8	0.0	0.0	0.0	0.0	0.0
35°	64.9	45.1	19.7	8.5	2.8	0.0	0.0	0.0	0.0	0.0	2.8
37.5°	67.7	42.3	16.9	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	70.5	39.5	16.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	76.1	39.5	14.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	81.8	39.5	11.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	93.1	42.3	11.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	101.5	45.1	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	112.8	42.3	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	126.9	42.3	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	138.2	39.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	143.8	36.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	172.0	33.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	267.9	28.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	544.3	25.4	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1015.3	22.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1136.5	25.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	716.3	19.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	377.9	19.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	189.0	19.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	87.4	14.1	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	36.7	8.5	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.9	8.5	5.6	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0
87.5°	8.5	8.5	8.5	5.6	5.6	2.8	2.8	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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

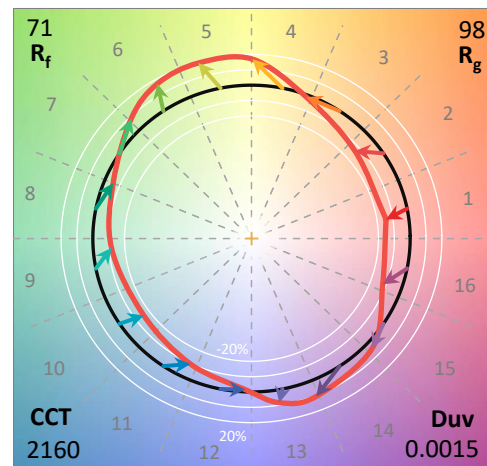
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

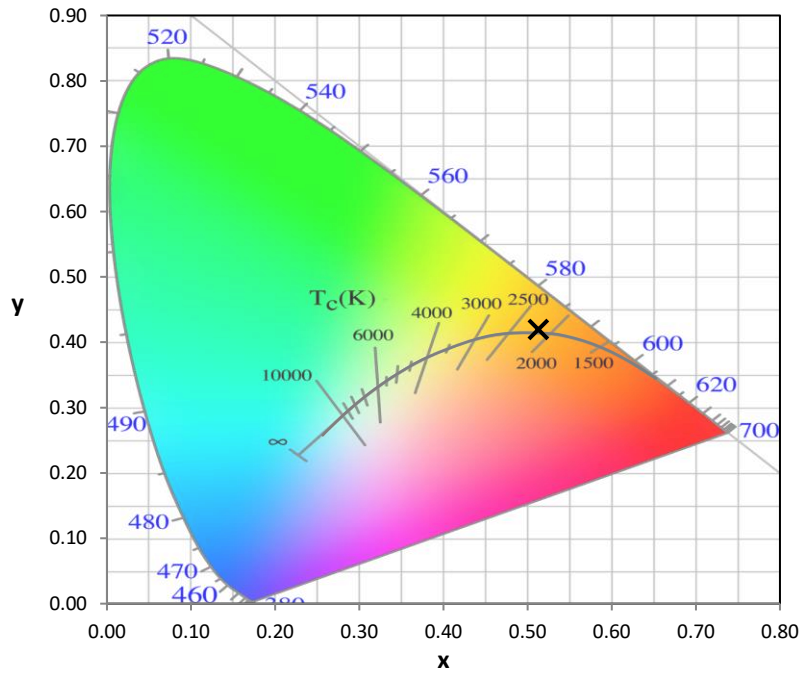
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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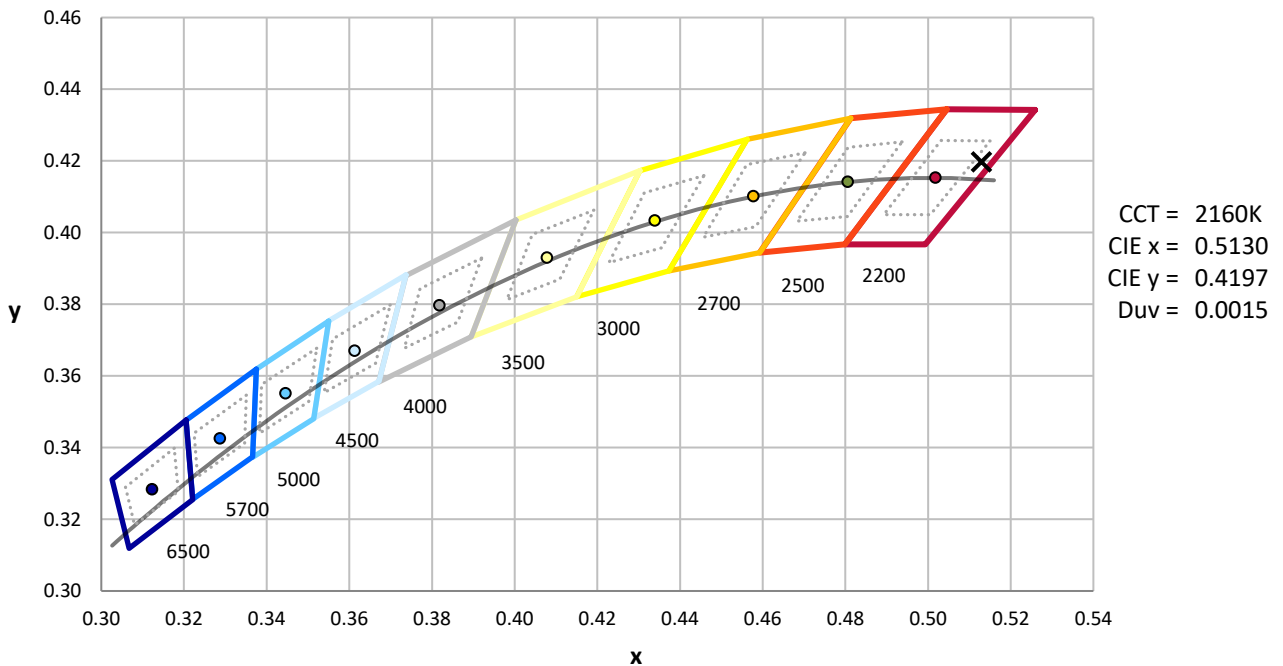
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



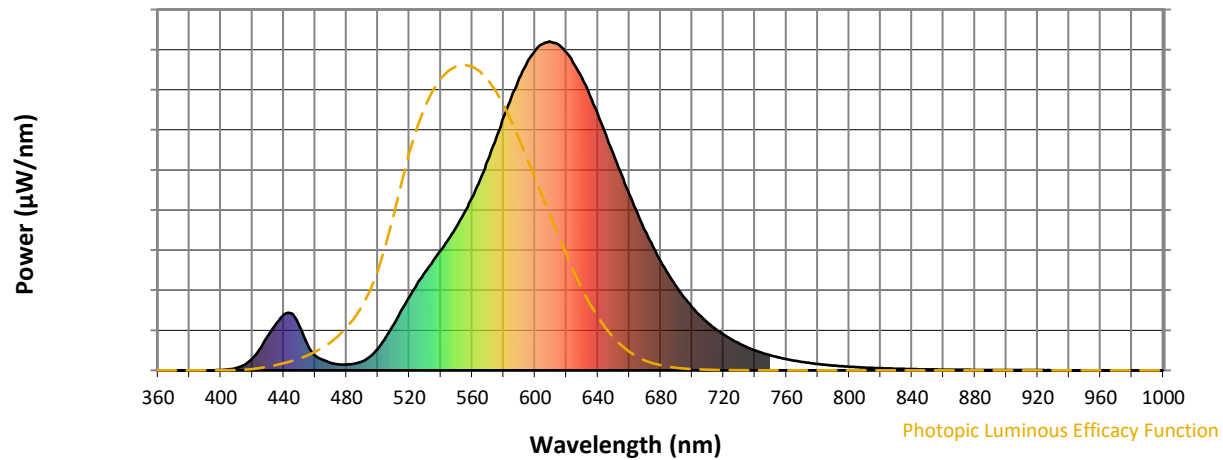
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

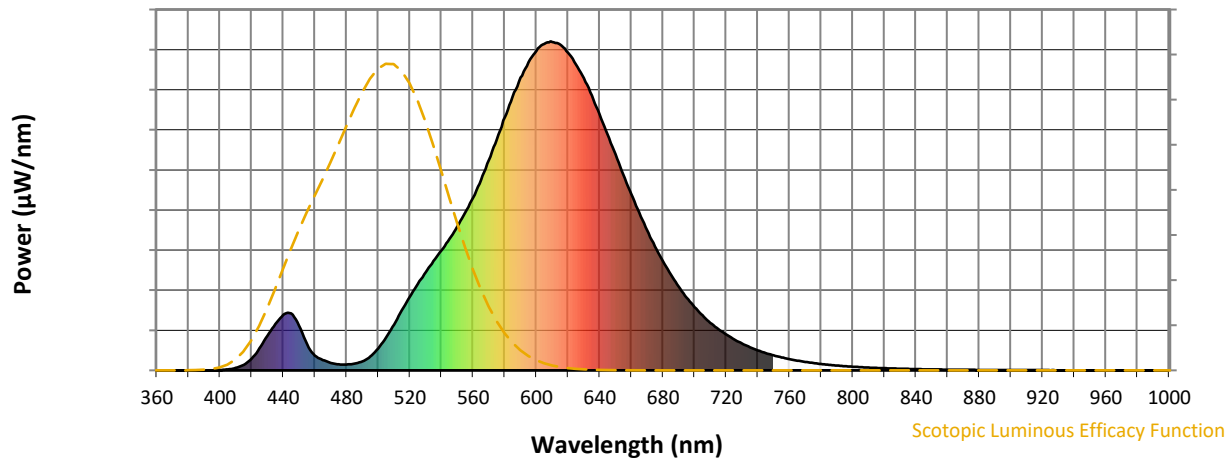


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength



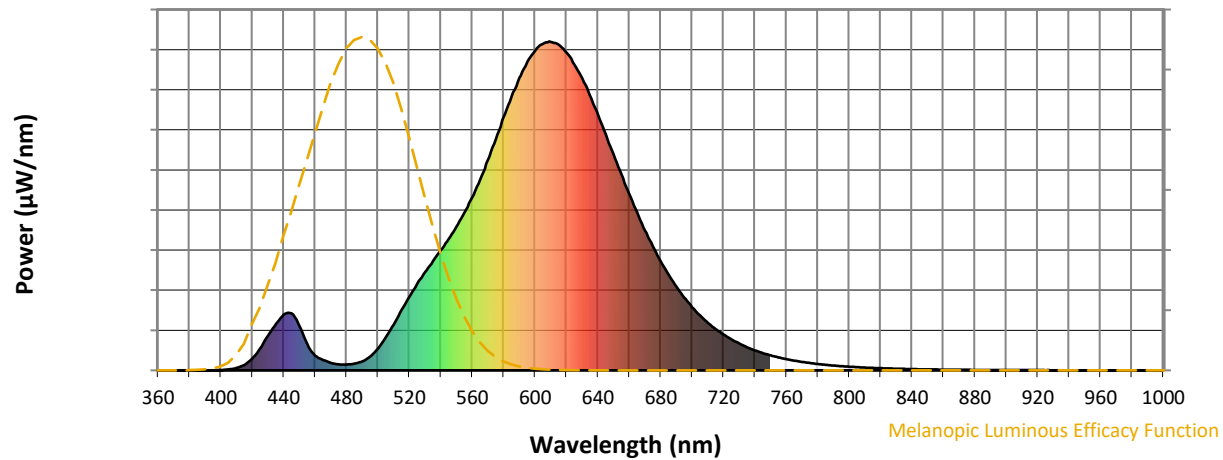
Scotopic Lumens: NR

S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.21

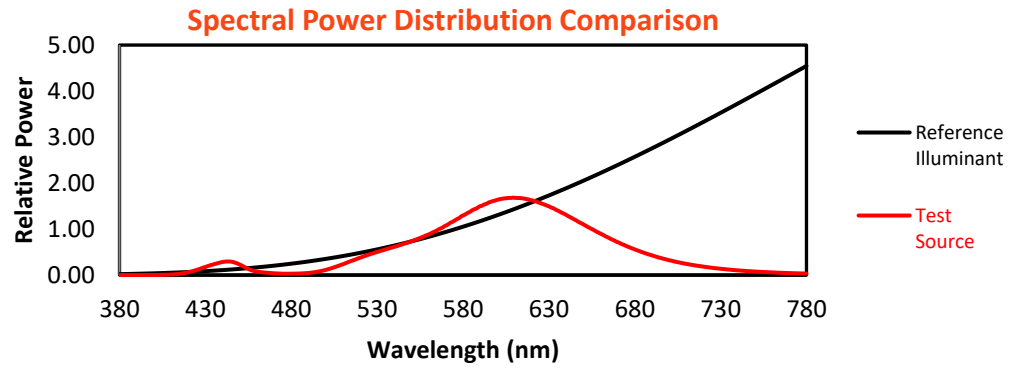
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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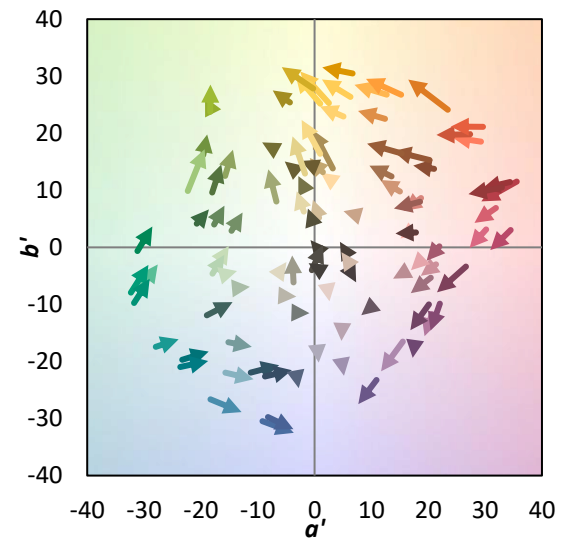
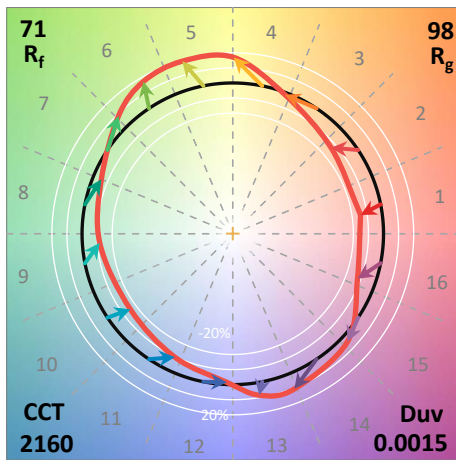
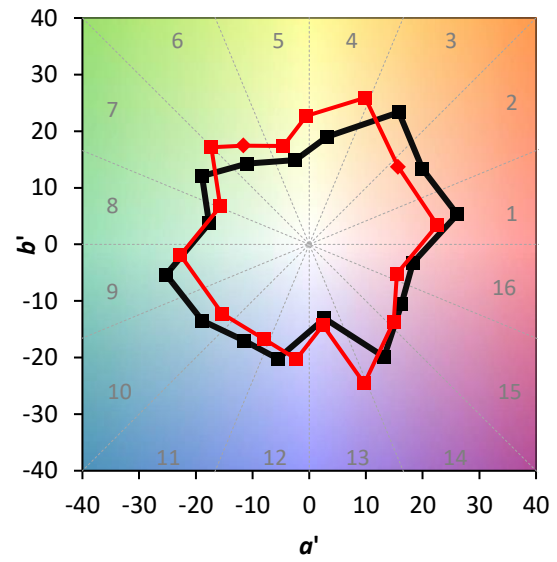
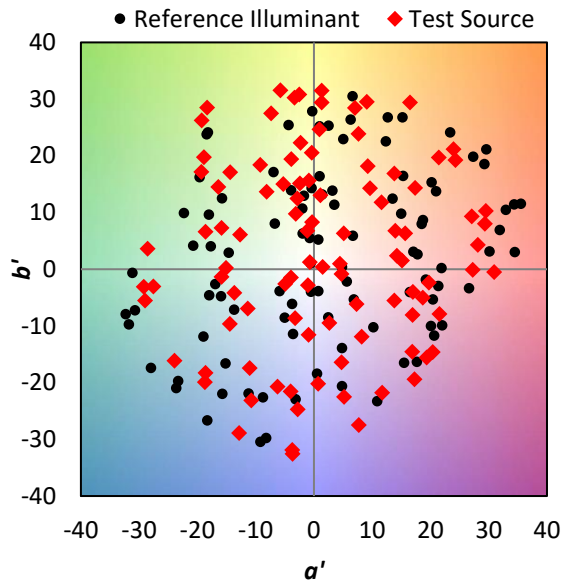
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE R_a = 71.9$
 $R_g = -17.8$

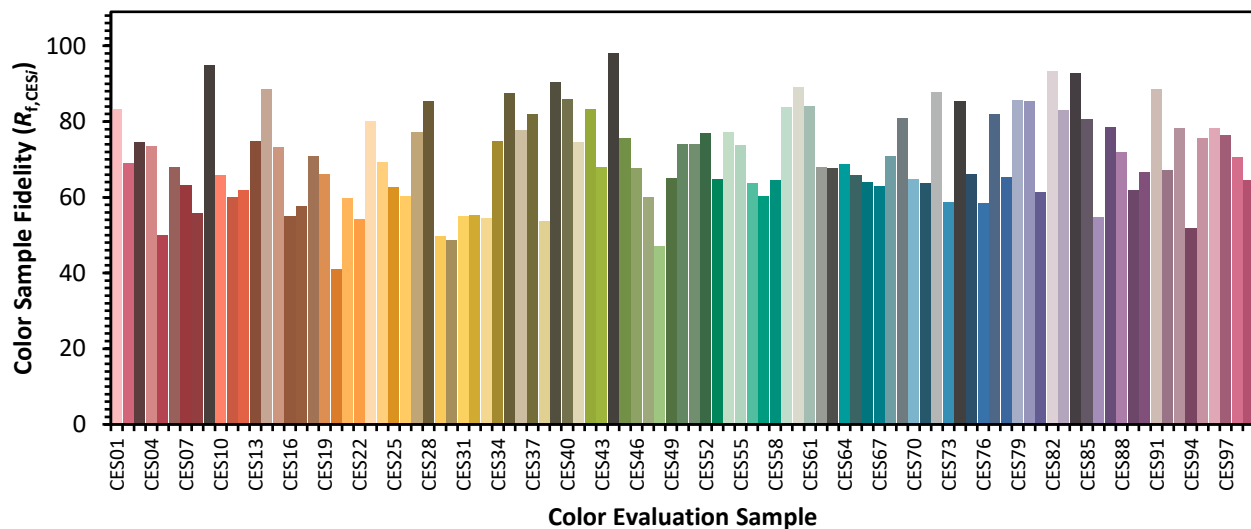


Color Vector Graphics

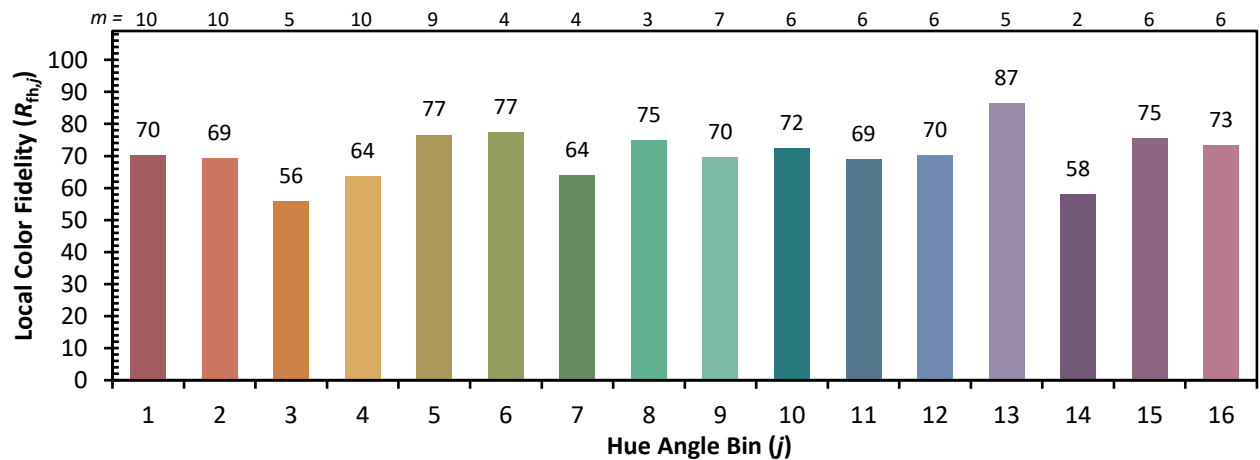
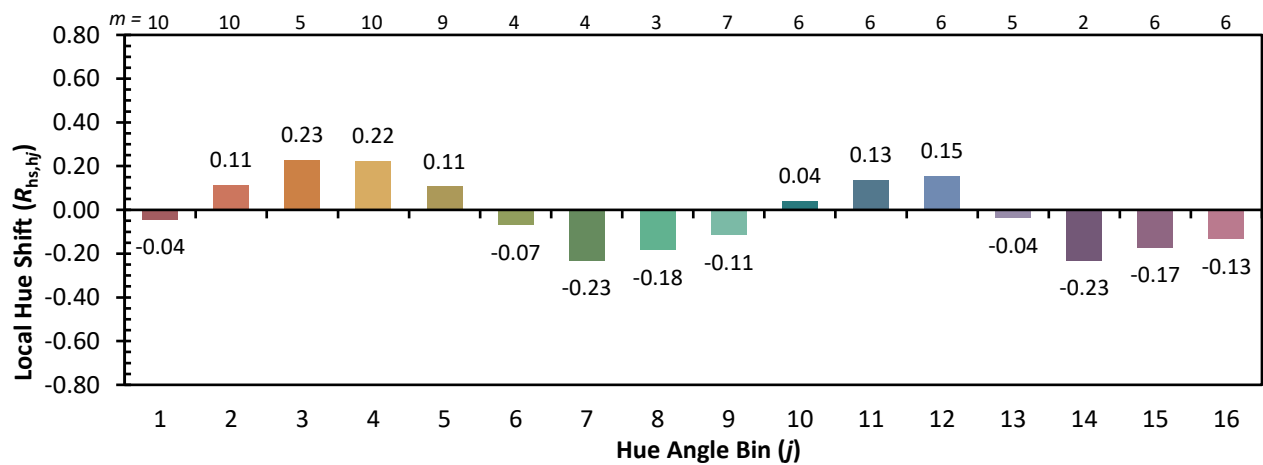
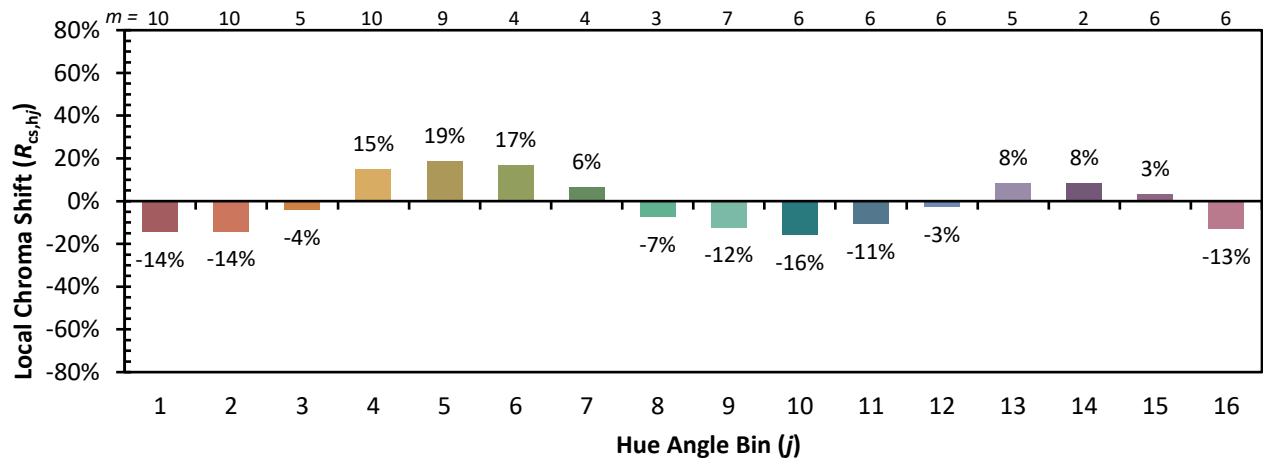


Individual Sample Fidelity Index ($R_{f,i}$)

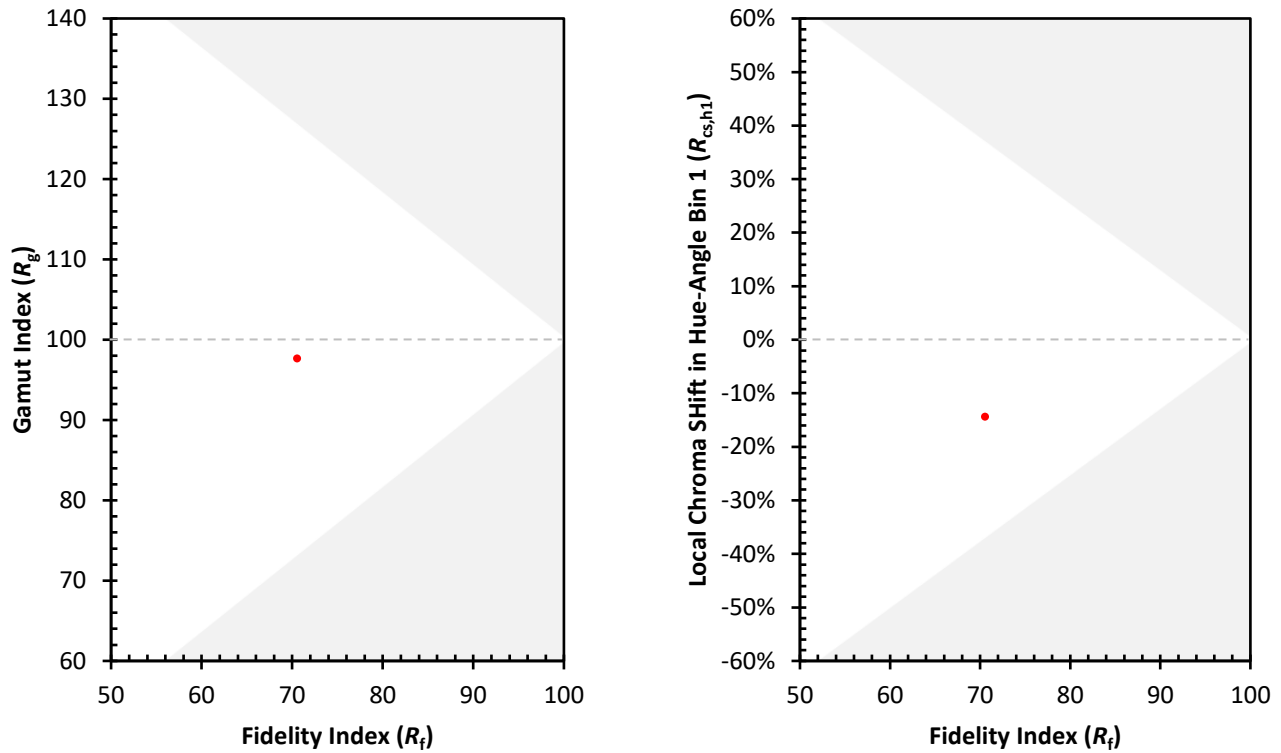
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)