

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: STREETWORKS

Report Number: P1063913

Luminaire Tested: **GLAN-SA2A-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1063913
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-722-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5426.3 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.8
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

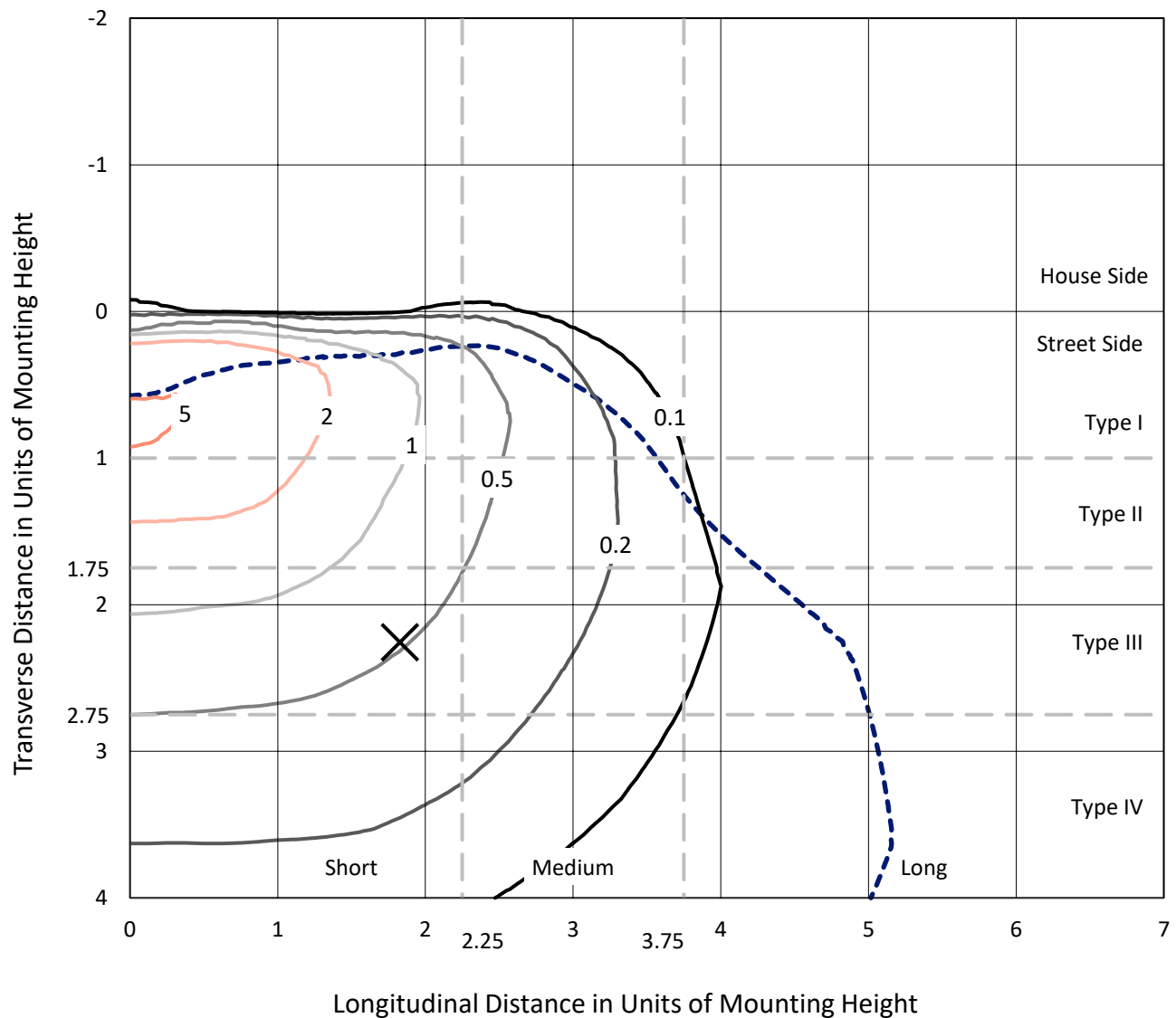


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

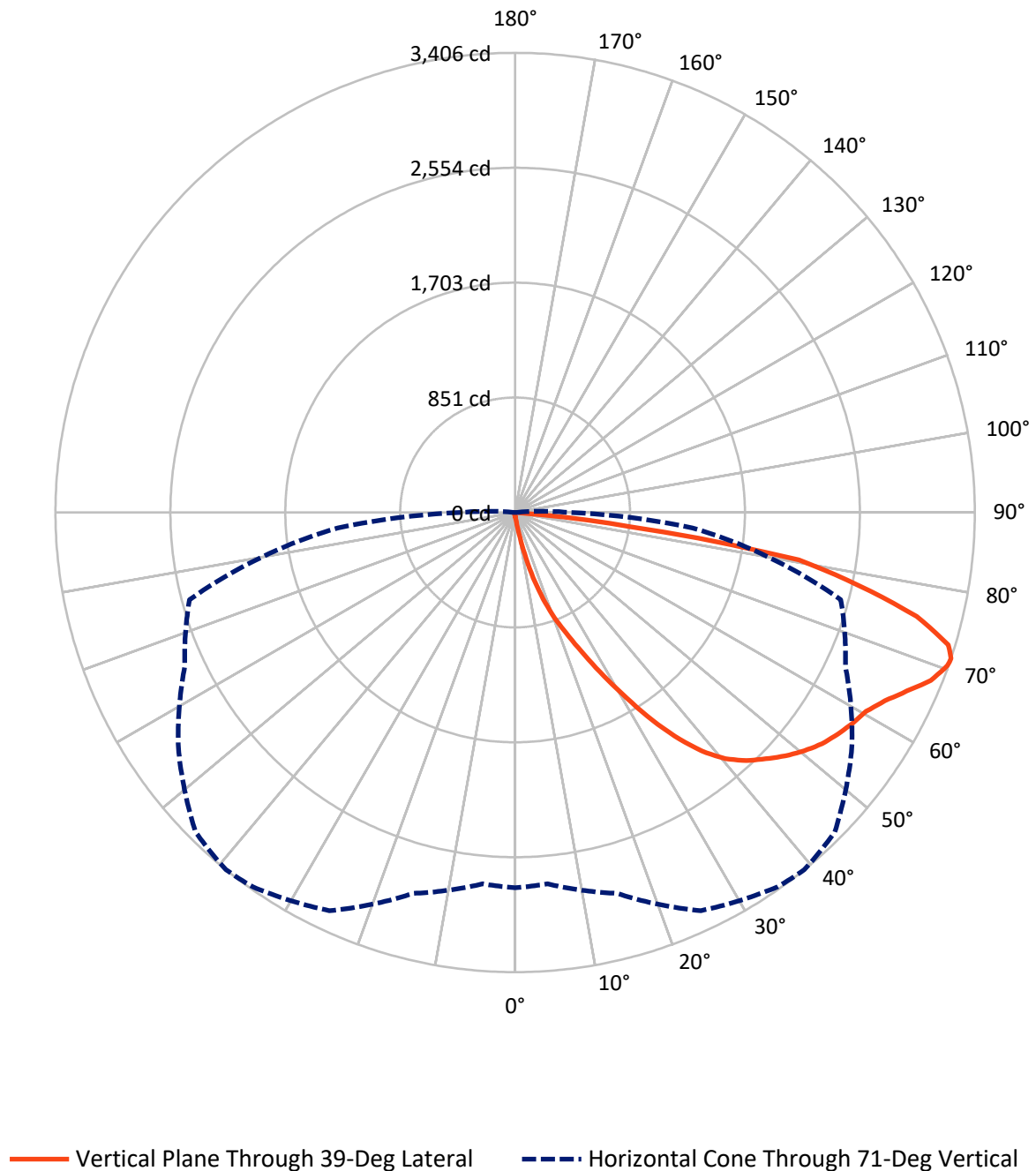


Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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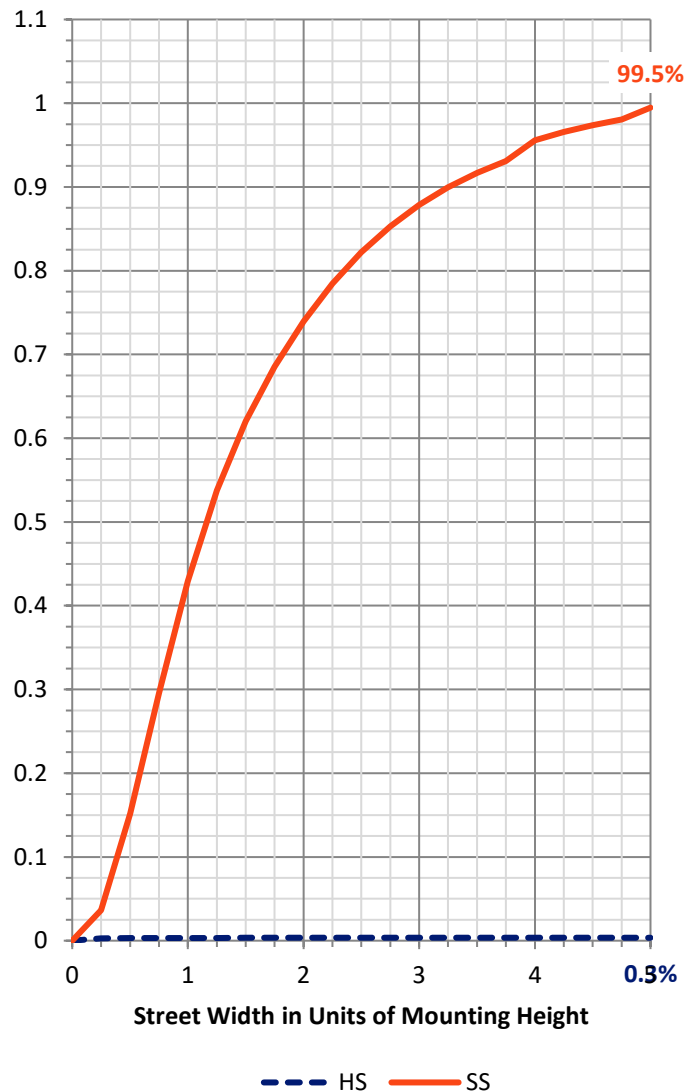
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.3	0.0	19.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5407.0	0.0	5407.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	5426.3	0.0	5426.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	58.0	1.1
20°-30°	206.5	3.8
30°-40°	497.8	9.2
40°-50°	833.1	15.4
50°-60°	1070.0	19.7
60°-70°	1354.1	25.0
70°-80°	1207.2	22.2
80°-90°	195.1	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°	5426.3	100.0
0°-180°	5426.3	100.0



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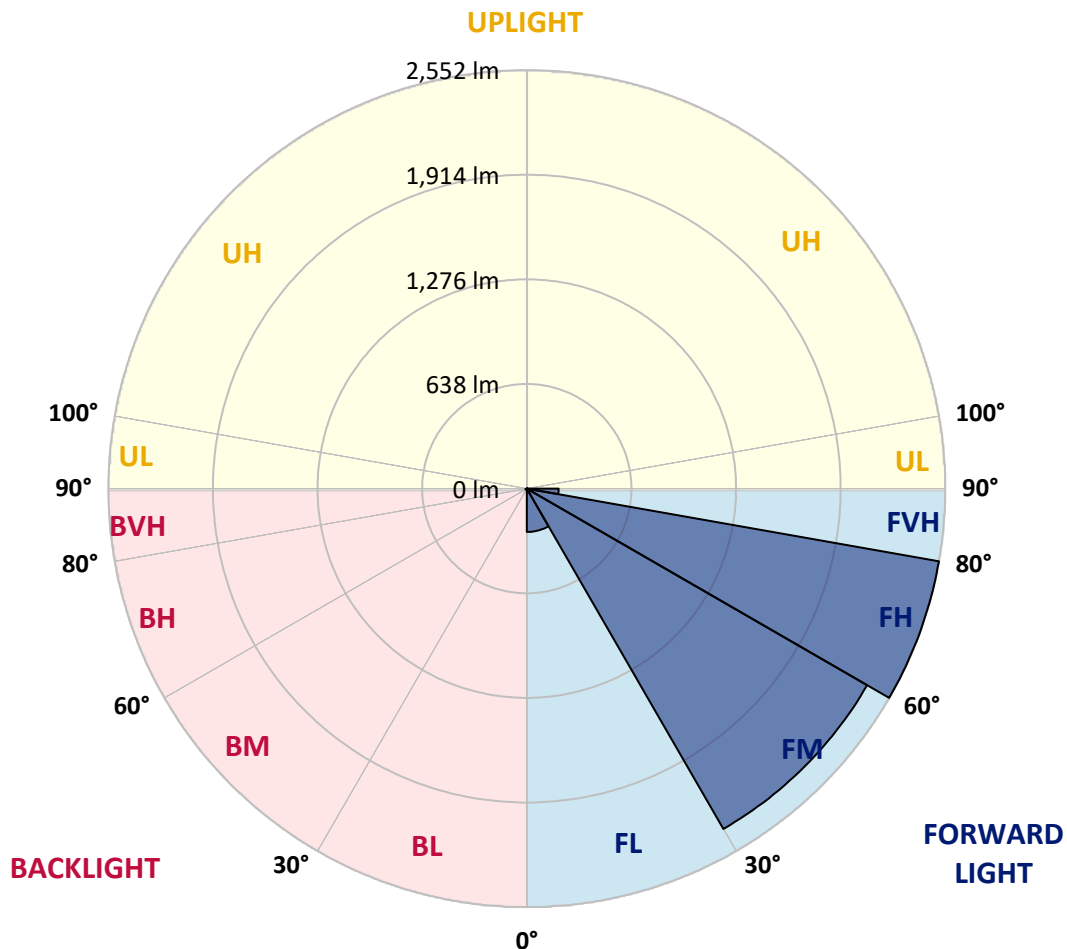
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.4	4.9			
FM	(30°-60°)	2396.4	44.2			
FH	(60°-80°)	2552.0	47.0			G2/5000
FVH	(80°-90°)	194.3	3.6			G2/225
BL	(0°-30°)	4.7	0.1	B0/110		
BM	(30°-60°)	4.5	0.1	B0/220		
BH	(60°-80°)	9.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
2.5°	34.2	34.2	34.2	33.1	33.1	32.7	32.3	32.3	31.6	31.2	30.5
5°	51.8	50.7	48.1	46.7	43.7	41.9	40.0	37.5	34.9	33.1	30.9
7.5°	117.2	119.7	111.3	95.5	79.3	72.4	60.6	48.9	40.4	34.9	31.2
10°	298.6	297.2	268.5	236.9	182.9	161.3	126.4	79.7	52.2	38.2	31.6
12.5°	508.0	506.5	472.8	429.8	358.5	313.3	247.2	148.8	74.9	43.3	31.6
15°	684.0	678.1	667.4	624.8	541.4	503.6	416.2	263.0	121.2	52.2	32.3
17.5°	800.4	795.3	785.4	769.9	717.0	672.2	602.1	413.2	196.2	67.6	33.8
20°	907.3	903.6	895.6	892.6	858.4	834.6	776.5	585.9	305.6	91.8	36.0
22.5°	1054.2	1046.5	1049.8	1032.2	998.8	970.1	934.5	766.6	439.3	132.2	40.0
25°	1234.2	1230.6	1221.4	1208.9	1162.6	1137.6	1082.9	937.1	588.8	185.1	44.4
27.5°	1451.7	1447.6	1445.4	1416.8	1363.5	1336.3	1259.9	1097.9	757.1	259.3	50.3
30°	1702.2	1704.0	1689.7	1653.0	1590.9	1552.7	1474.1	1266.6	929.3	346.4	56.6
32.5°	1961.5	1957.9	1935.8	1892.5	1837.0	1801.4	1701.5	1451.3	1110.1	461.4	63.9
35°	2241.1	2234.1	2176.1	2126.5	2079.1	2034.3	1943.2	1665.8	1290.8	590.3	73.8
37.5°	2523.2	2490.5	2374.1	2311.2	2278.5	2241.8	2157.0	1894.7	1470.4	734.3	86.0
40°	2736.2	2710.9	2572.8	2457.1	2431.0	2399.8	2336.6	2092.3	1661.4	888.9	100.6
42.5°	2854.2	2840.2	2716.0	2601.8	2540.5	2512.9	2458.9	2265.0	1850.2	1059.7	122.0
45°	2904.5	2882.8	2799.8	2746.5	2648.8	2603.3	2539.0	2395.4	2047.5	1253.7	151.7
47.5°	2889.0	2876.6	2817.1	2836.5	2765.6	2694.7	2600.3	2495.3	2216.1	1476.3	192.5
50°	2792.1	2781.4	2763.1	2868.5	2859.7	2775.9	2679.7	2574.2	2353.8	1705.9	255.7
52.5°	2607.7	2603.3	2650.3	2843.5	2912.9	2847.5	2756.1	2644.0	2482.4	1945.7	346.0
55°	2370.0	2388.0	2522.5	2804.6	2940.1	2900.4	2823.7	2709.4	2585.6	2160.3	479.4
57.5°	2272.3	2277.1	2444.9	2777.0	2952.2	2947.1	2889.4	2771.9	2680.4	2331.8	682.9
60°	2386.5	2379.2	2467.7	2798.0	2976.5	2989.0	2947.8	2829.9	2762.7	2479.1	954.0
62.5°	2593.0	2588.9	2617.2	2887.2	3047.4	3072.7	3029.0	2871.8	2835.4	2576.1	1263.2
65°	2777.4	2768.9	2821.5	3045.5	3171.9	3189.9	3151.7	2943.4	2867.4	2646.6	1553.8
67.5°	2857.1	2855.3	2939.7	3196.1	3302.7	3322.1	3288.7	3042.2	2860.0	2669.0	1682.0
70°	2820.7	2813.7	2948.9	3260.1	3376.5	3398.5	3366.2	3079.0	2780.3	2598.1	1492.1
71°	2780.7	2762.0	2921.4	3255.6	3386.8	3405.5	3348.9	3045.5	2700.2	2497.5	1319.8
72.5°	2656.5	2659.8	2845.7	3209.7	3362.2	3356.7	3251.2	2925.8	2603.6	2269.0	1060.1
75°	2350.9	2370.4	2600.7	3016.9	3142.5	3072.3	2911.1	2696.9	2409.7	1626.9	736.1
77.5°	1921.1	1950.2	2203.2	2645.9	2610.2	2603.3	2596.7	2376.3	2057.8	873.9	512.1
80°	917.2	980.0	1329.0	1888.8	2051.9	2130.9	2081.3	1914.9	1591.3	416.2	306.0
82.5°	59.9	59.1	83.8	158.7	668.9	864.7	1373.8	1368.7	1109.3	202.8	124.9
85°	28.3	29.0	32.0	36.4	42.2	46.3	63.9	374.7	530.8	96.6	27.2
87.5°	16.5	16.9	19.8	25.3	33.1	36.7	43.7	56.2	69.1	53.3	5.9
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: GLAN-SA2A-722-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
2.5°	30.1	29.8	28.7	27.5	26.4	25.7	25.3	25.7	25.7	26.1	26.1
5°	30.1	29.0	27.2	25.0	23.5	22.0	21.3	20.9	21.3	21.3	21.3
7.5°	29.8	27.9	25.3	22.8	20.9	19.1	18.4	18.0	18.0	18.4	18.4
10°	29.0	27.2	23.9	20.9	18.7	16.5	15.4	14.3	14.3	14.3	14.7
12.5°	28.7	26.1	22.0	19.1	16.2	13.6	11.4	10.3	10.7	10.7	10.7
15°	27.9	25.0	20.9	17.3	13.6	10.3	8.4	7.3	7.7	8.1	7.7
17.5°	27.9	24.6	19.5	15.1	10.7	7.7	6.2	5.5	5.5	5.9	5.9
20°	27.9	23.9	18.4	12.9	8.1	5.9	4.4	4.0	4.0	4.8	5.1
22.5°	28.7	23.9	16.9	10.7	6.6	4.4	3.3	2.9	3.3	4.0	4.4
25°	29.8	23.5	15.4	9.6	5.5	3.3	2.6	1.8	2.2	2.9	3.3
27.5°	30.9	23.1	14.0	8.4	4.4	2.6	1.8	1.5	1.1	1.5	1.5
30°	32.0	23.1	12.5	7.0	3.7	1.8	1.1	0.7	0.4	0.0	0.0
32.5°	32.7	22.4	11.4	5.5	2.9	1.5	0.7	0.4	0.0	0.0	0.0
35°	33.4	21.7	9.9	4.4	2.2	1.1	0.4	0.0	0.0	0.0	0.0
37.5°	34.2	20.6	8.4	3.7	1.8	0.7	0.0	0.0	0.0	0.0	0.0
40°	34.9	19.1	7.0	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	35.6	18.0	5.9	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	37.5	17.3	4.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	40.8	16.5	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	45.5	15.8	4.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	52.2	15.4	3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	63.9	15.1	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	84.1	14.7	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	128.9	14.0	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	230.3	13.6	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	401.5	14.0	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	575.6	14.7	2.6	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	492.6	12.9	2.6	1.5	0.7	0.4	0.0	0.0	0.0	0.0	0.0
71°	401.5	11.4	2.6	1.5	0.7	0.4	0.4	0.0	0.0	0.0	0.0
72.5°	258.2	8.8	2.2	1.5	0.7	0.7	0.4	0.0	0.0	0.0	0.0
75°	109.1	7.3	2.2	1.5	1.1	0.7	0.7	0.4	0.0	0.0	0.0
77.5°	46.7	5.5	2.2	1.8	1.5	1.1	1.1	0.7	0.4	0.0	0.0
80°	17.6	4.4	2.6	2.2	1.8	1.8	1.5	0.7	0.4	0.0	0.0
82.5°	8.1	3.7	2.6	2.2	2.2	1.8	1.5	1.1	0.7	0.0	0.0
85°	5.1	3.3	2.6	2.2	2.2	1.8	1.8	1.1	0.7	0.0	0.0
87.5°	4.0	3.3	2.6	2.6	2.2	2.2	1.5	1.1	0.4	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

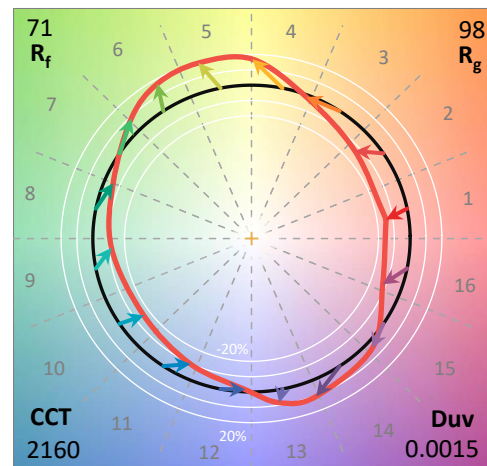
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

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

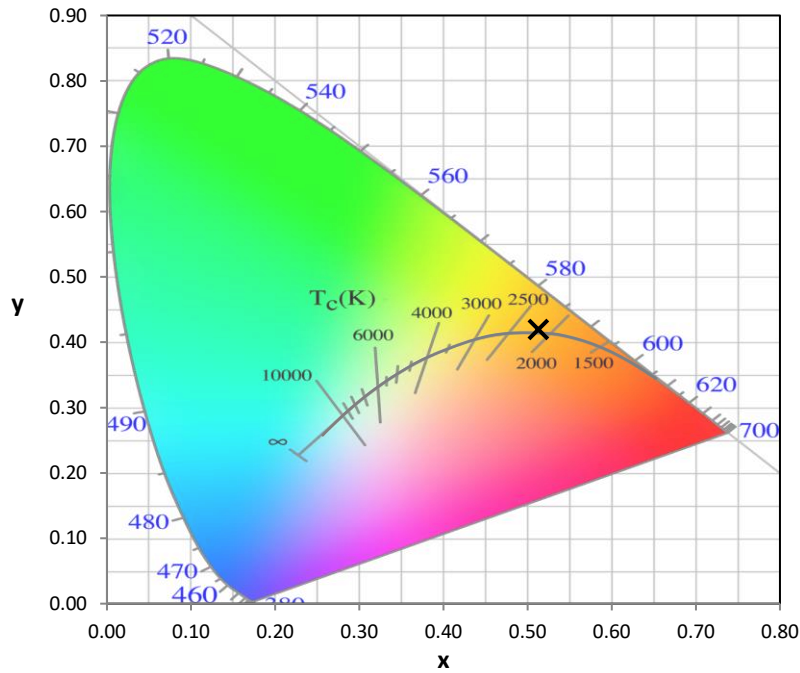
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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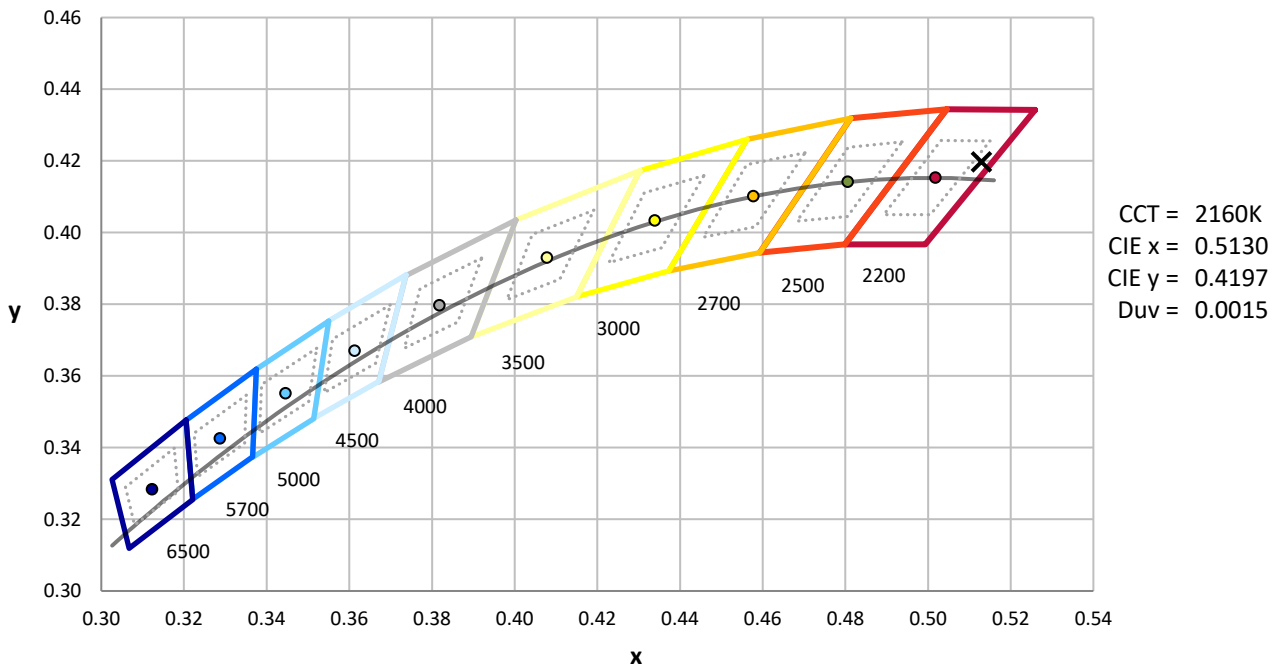
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



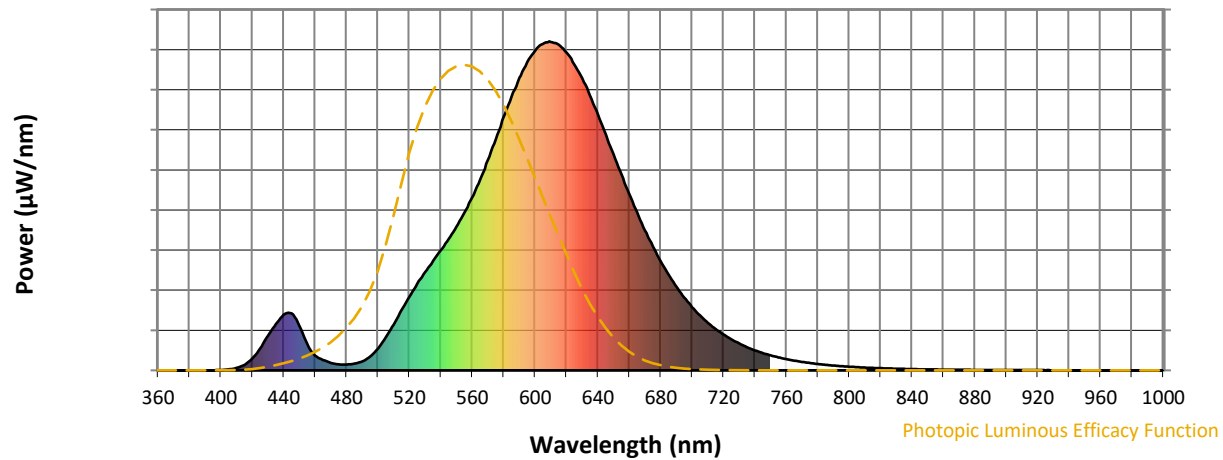
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

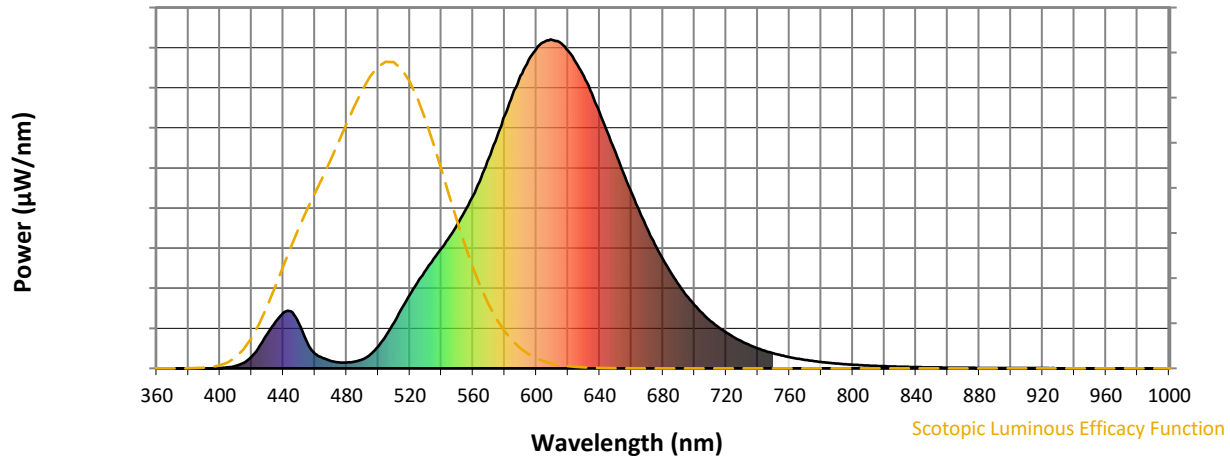


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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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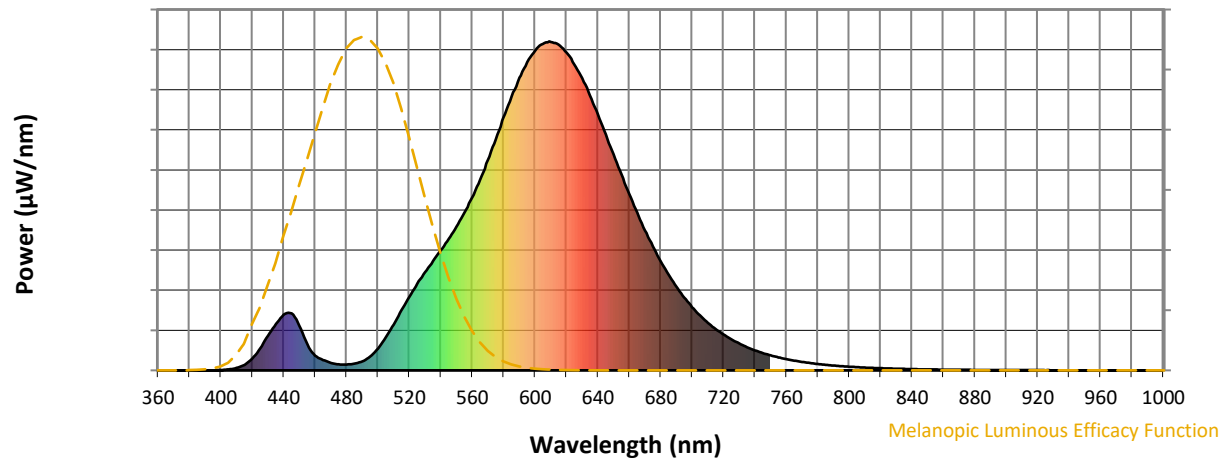
Scotopic Flux vs. Wavelength


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

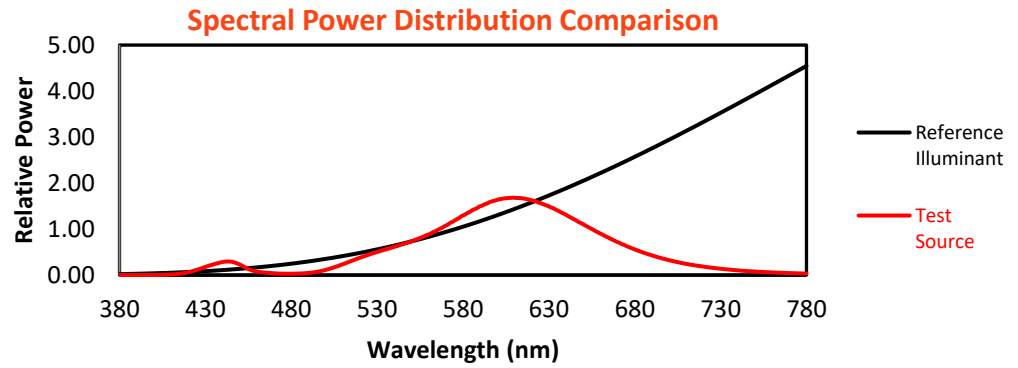
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	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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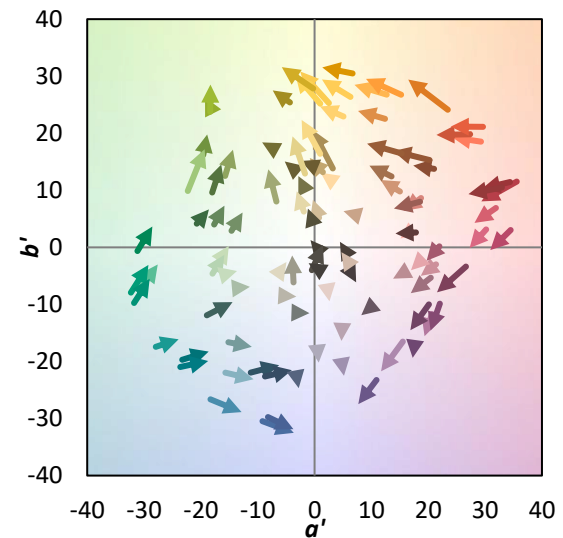
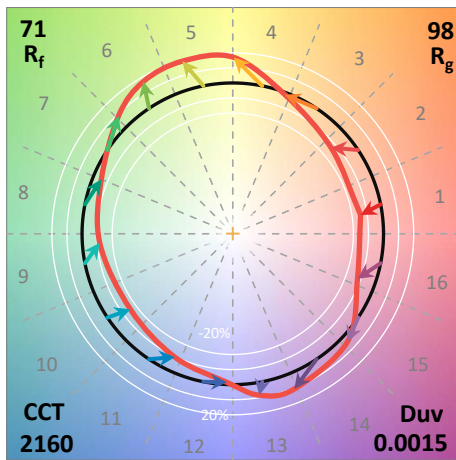
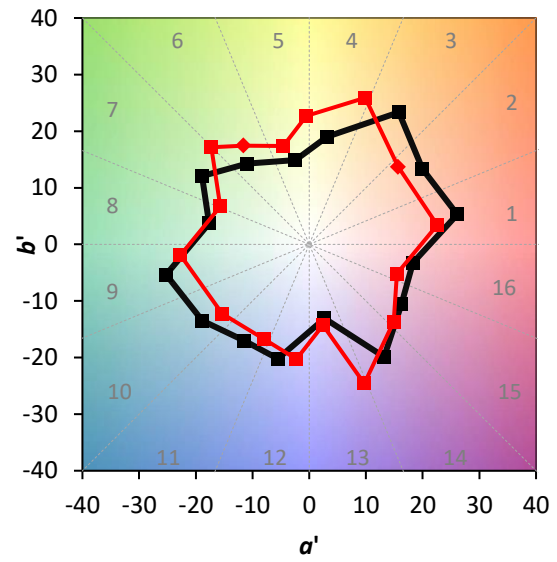
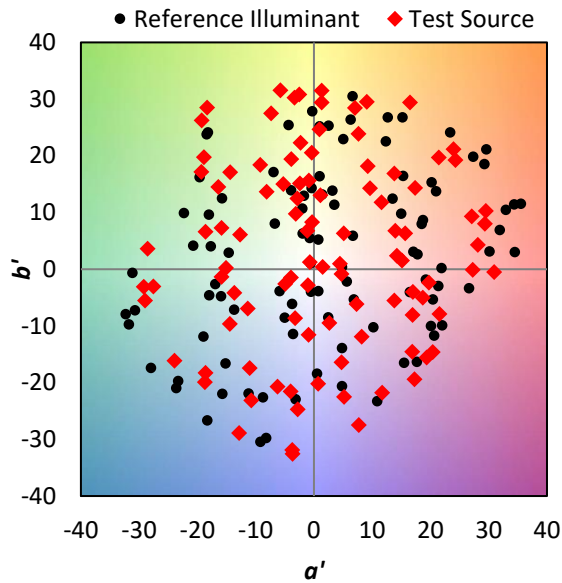
TM-30-18

Summary

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

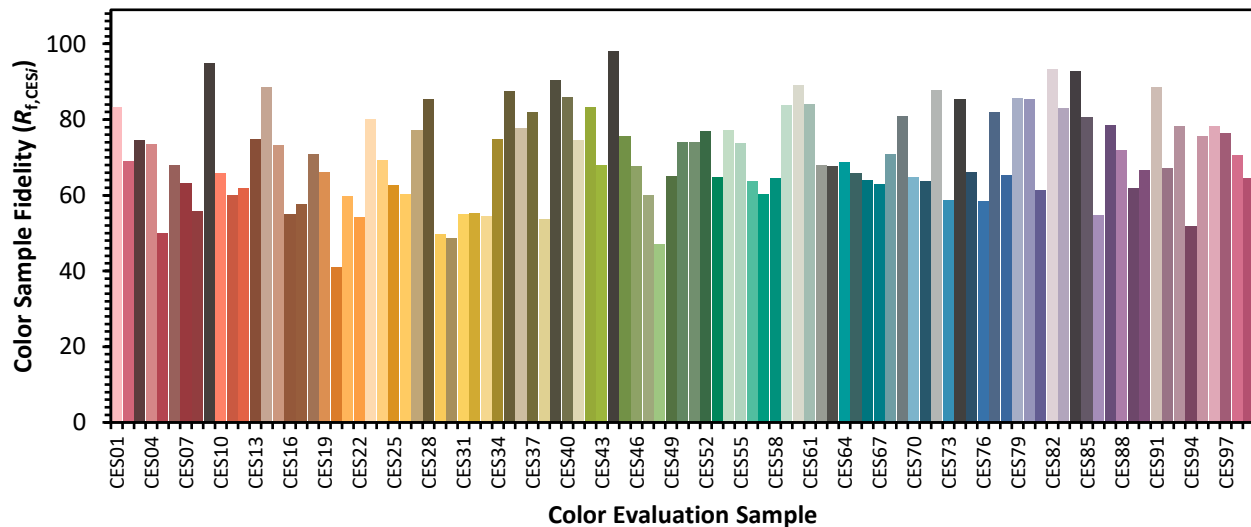


Color Vector Graphics

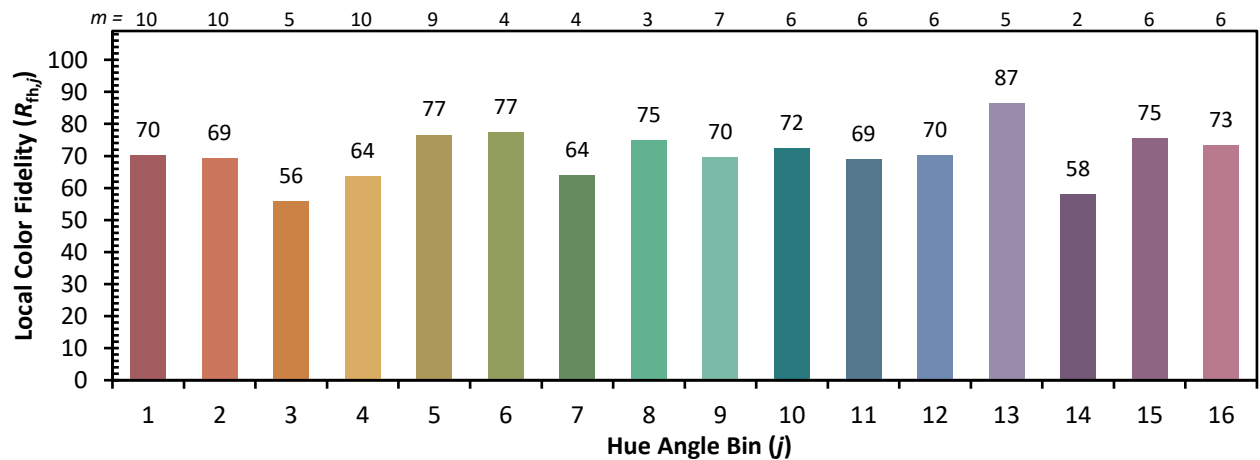
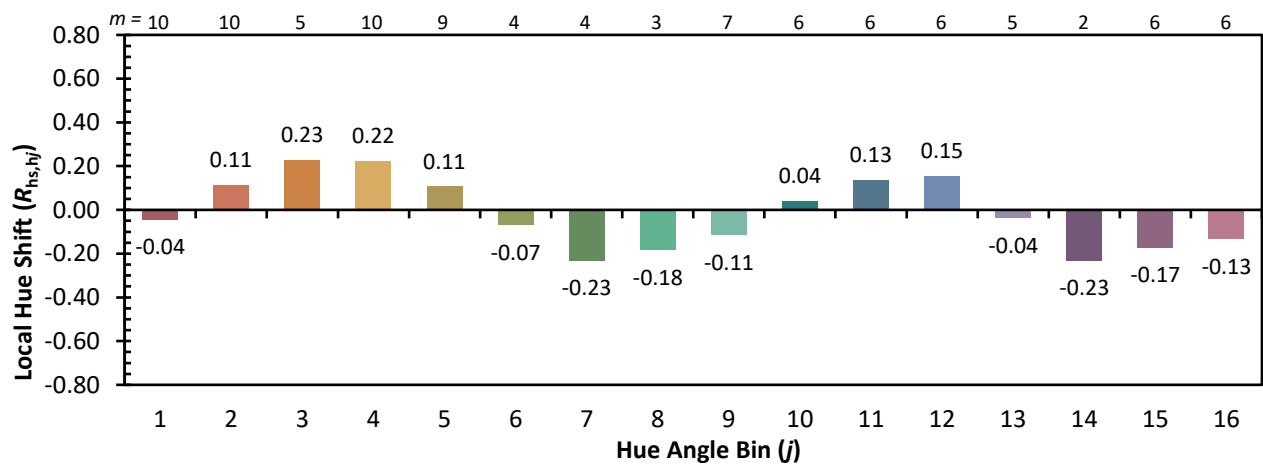
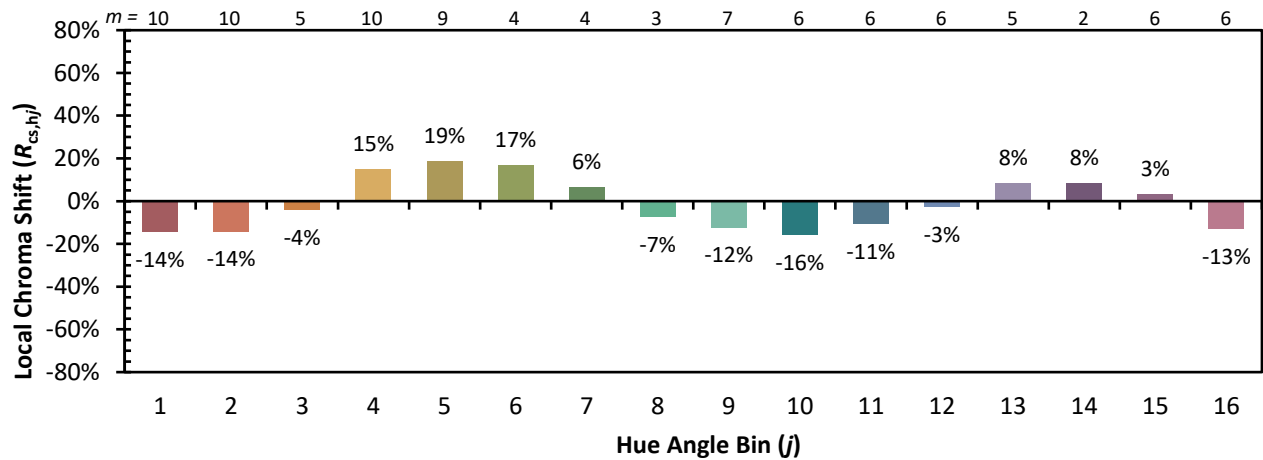


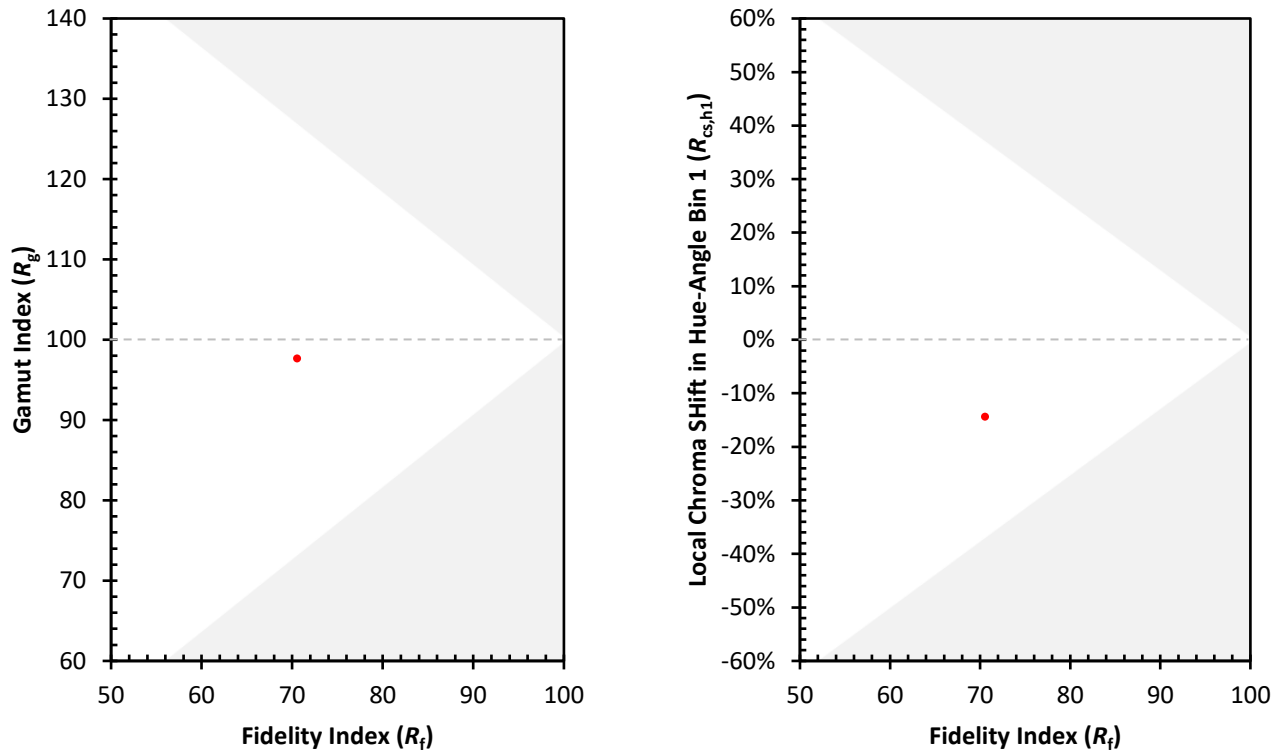
Individual Sample Fidelity Index ($R_{f,i}$)

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)