

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: STREETWORKS

Report Number: P1066230

Luminaire Tested: **NVN-SA5B-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066230
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA5B-722-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16293.8 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
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

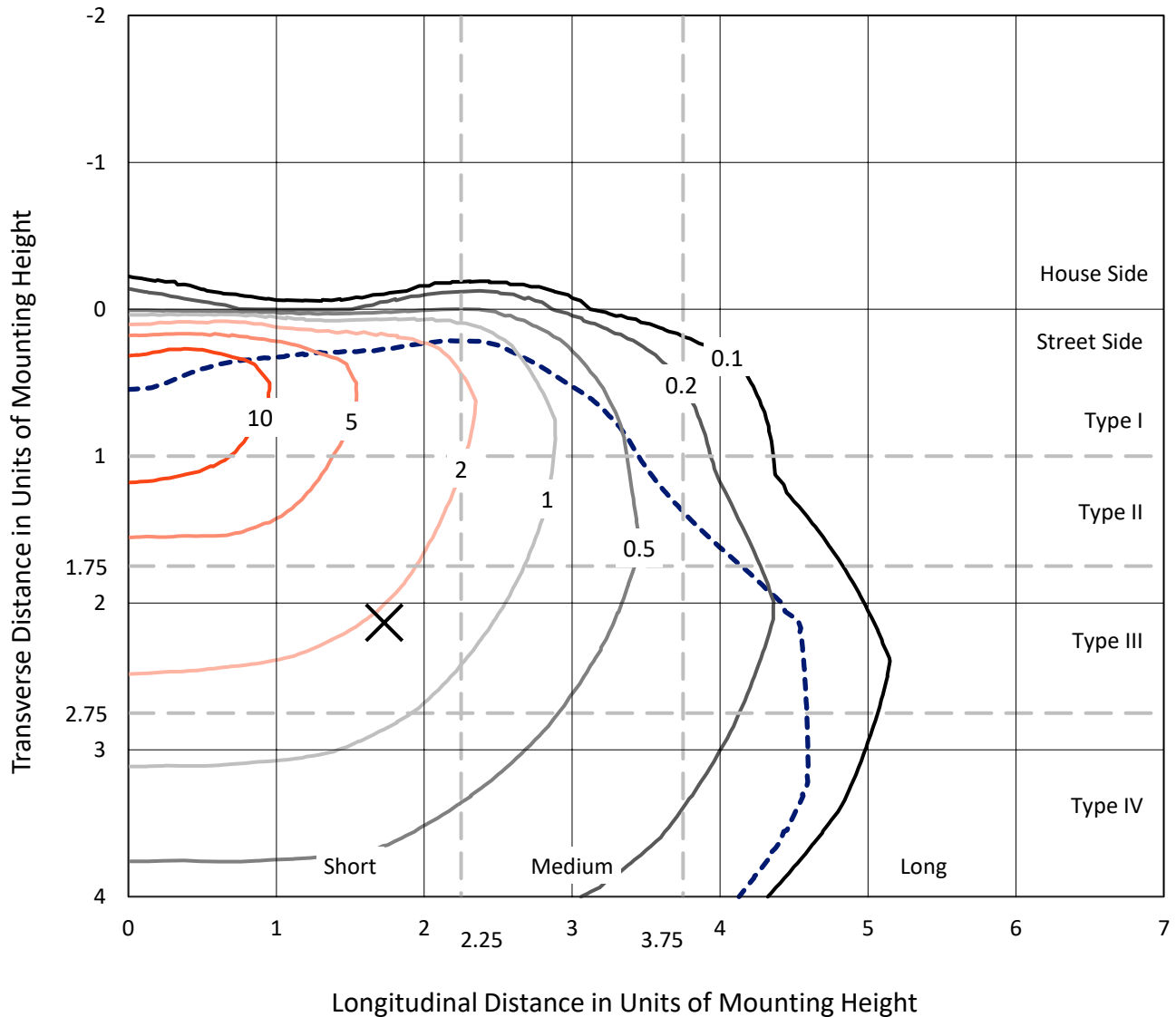


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

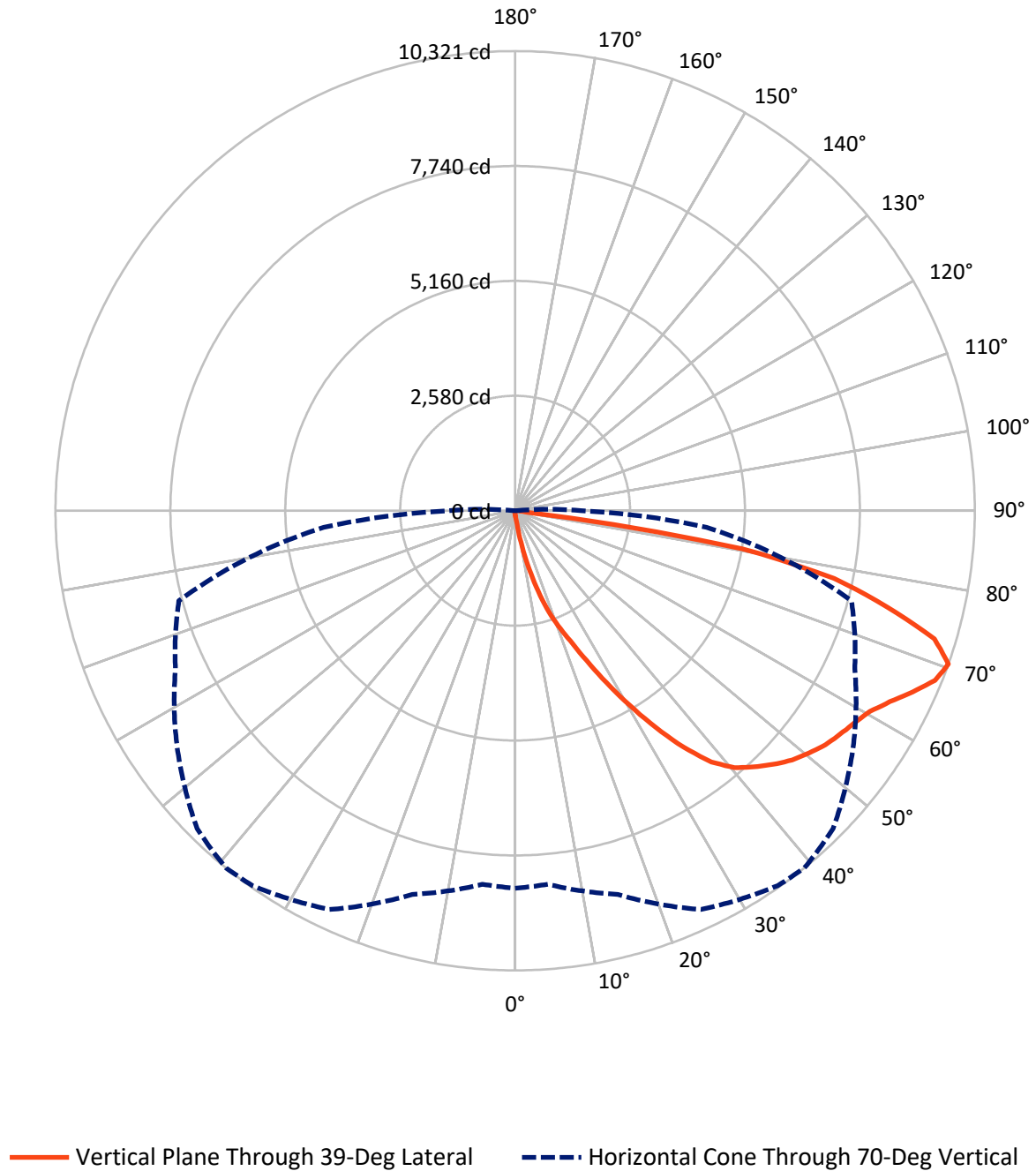


Based on 15 foot mounting height. Maximum calculated value = 17.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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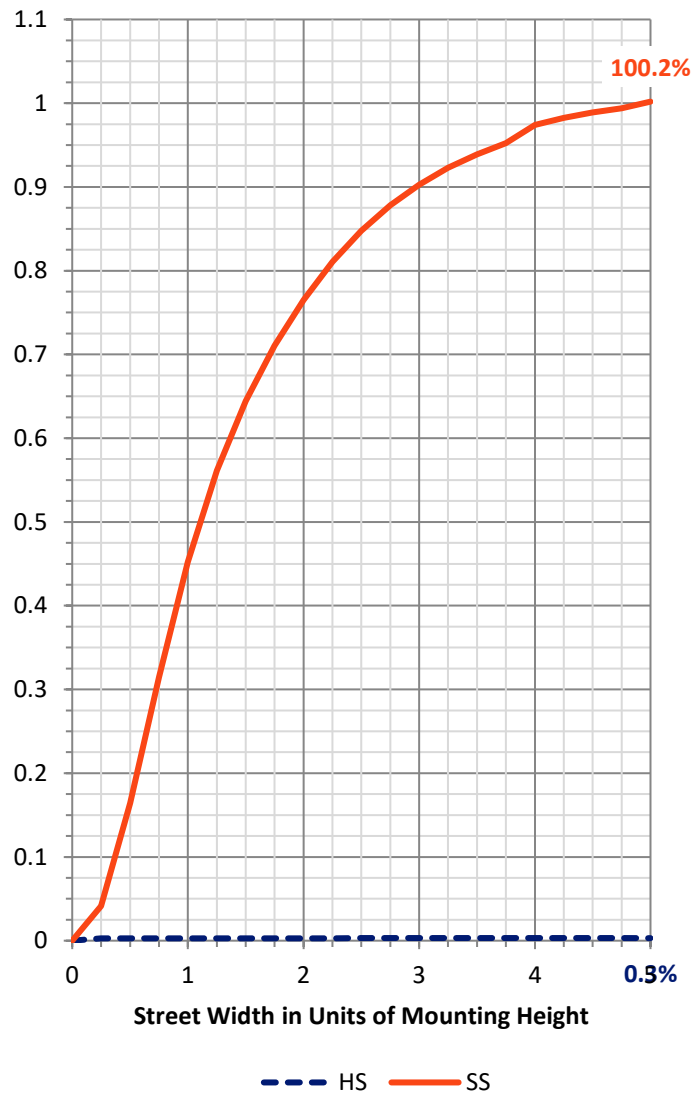
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	50.2	0.0	50.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	16243.7	0.0	16243.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	16293.8	0.0	16293.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.1
10°-20°	200.3	1.2
20°-30°	679.8	4.2
30°-40°	1597.6	9.8
40°-50°	2594.1	15.9
50°-60°	3287.2	20.2
60°-70°	4175.7	25.6
70°-80°	3392.7	20.8
80°-90°	349.3	2.1
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°	16293.8	100.0
0°-180°	16293.8	100.0



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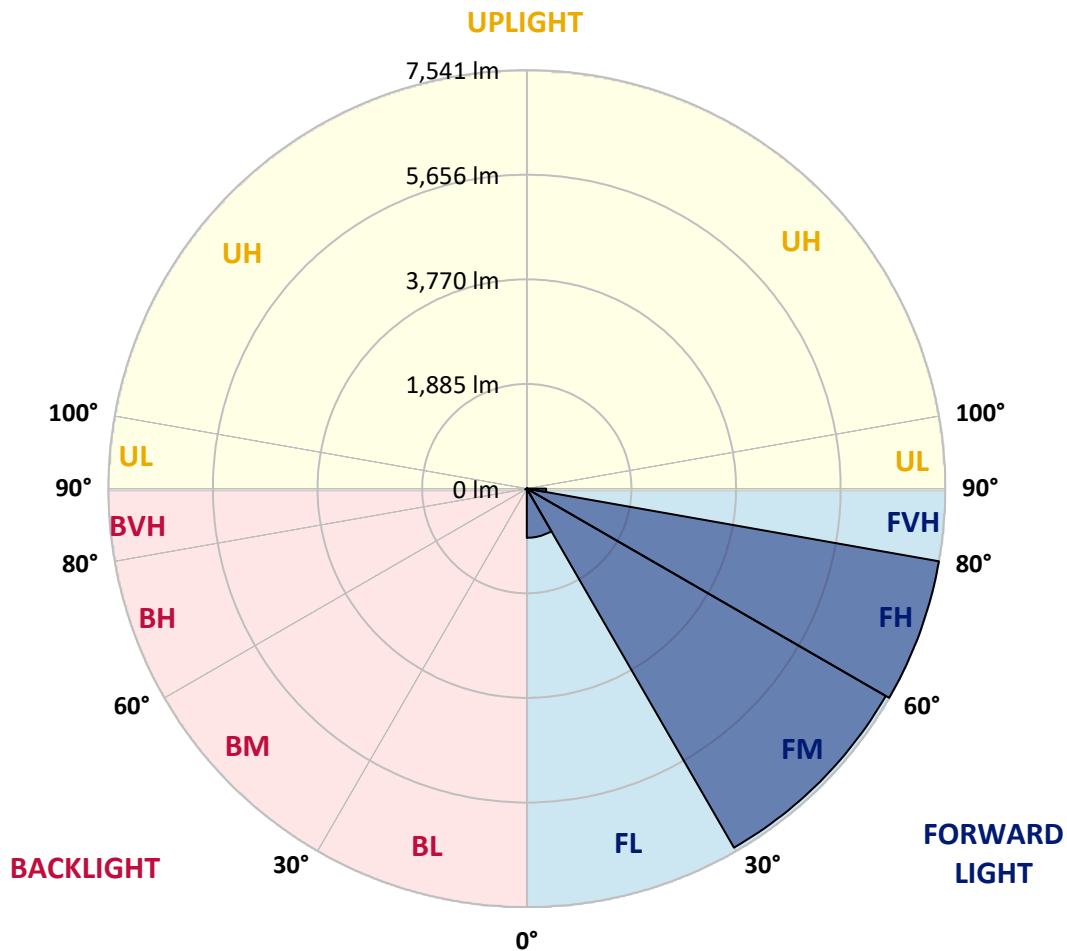
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	886.4	5.4			
FM	(30°-60°)	7469.3	45.8			
FH	(60°-80°)	7540.8	46.3			G4/12000
FVH	(80°-90°)	347.2	2.1			G3/500
BL	(0°-30°)	10.9	0.1	B0/110		
BM	(30°-60°)	9.6	0.1	B0/220		
BH	(60°-80°)	27.6	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2.5°	115.0	115.0	115.0	110.6	110.6	106.2	106.2	101.7	97.3	97.3	92.9
5°	216.8	221.2	207.9	181.4	163.7	154.8	146.0	123.9	110.6	101.7	92.9
7.5°	592.8	575.1	548.5	460.1	353.9	300.8	256.6	181.4	132.7	106.2	92.9
10°	1247.5	1198.8	1123.6	1004.2	796.3	712.2	553.0	331.8	185.8	119.4	92.9
12.5°	1831.4	1840.3	1747.4	1632.4	1380.2	1238.6	1021.9	623.7	292.0	141.6	92.9
15°	2273.8	2264.9	2229.6	2136.7	1911.0	1773.9	1579.3	1048.4	491.0	176.9	97.3
17.5°	2623.3	2587.9	2574.6	2534.8	2388.8	2313.6	2101.3	1543.9	778.6	238.9	101.7
20°	2972.7	2963.9	2950.6	2906.4	2809.1	2756.0	2592.3	2043.8	1159.0	340.6	110.6
22.5°	3481.5	3432.8	3441.7	3344.3	3264.7	3171.8	3039.1	2574.6	1597.0	486.6	123.9
25°	4078.7	4074.3	4003.5	3959.2	3826.5	3724.8	3547.8	3087.8	2083.6	703.4	137.1
27.5°	4782.0	4733.4	4702.4	4627.2	4490.1	4375.1	4131.8	3596.5	2610.0	946.7	154.8
30°	5516.4	5516.4	5458.9	5343.9	5211.1	5069.6	4821.9	4131.8	3132.0	1256.3	176.9
32.5°	6374.6	6392.3	6250.7	6078.2	5905.7	5808.4	5485.4	4737.8	3631.9	1610.2	203.5
35°	7206.2	7184.1	6949.7	6759.5	6631.2	6525.0	6250.7	5401.4	4198.1	2021.6	238.9
37.5°	8002.5	7945.0	7555.7	7285.9	7228.4	7157.6	6883.3	6064.9	4759.9	2477.3	283.1
40°	8573.2	8484.7	8082.1	7710.6	7626.5	7586.7	7374.3	6666.6	5352.7	2986.0	340.6
42.5°	8820.9	8719.2	8440.5	8139.7	7953.9	7861.0	7675.2	7157.6	5945.5	3552.3	424.7
45°	8869.6	8789.9	8590.9	8520.1	8267.9	8126.4	7874.2	7507.1	6498.5	4114.1	539.7
47.5°	8692.6	8657.2	8537.8	8688.2	8559.9	8365.3	8060.0	7768.1	6989.5	4795.3	698.9
50°	8259.1	8232.6	8290.1	8683.8	8772.2	8551.1	8263.5	7971.6	7414.2	5498.7	924.6
52.5°	7675.2	7670.7	7940.6	8568.8	8865.1	8728.0	8462.6	8175.0	7750.4	6179.9	1243.1
55°	7038.1	7113.3	7586.7	8462.6	8918.2	8856.3	8657.2	8356.4	8051.2	6812.5	1756.2
57.5°	6985.1	6954.1	7409.7	8418.3	8949.2	8984.6	8851.9	8546.6	8307.8	7330.1	2441.9
60°	7515.9	7445.1	7617.7	8511.2	9086.3	9148.3	9046.5	8692.6	8564.3	7737.1	3344.3
62.5°	8130.8	8064.4	8152.9	8869.6	9356.2	9444.7	9316.4	8843.0	8772.2	8020.2	4313.1
65°	8621.8	8568.8	8736.9	9404.8	9732.2	9807.4	9718.9	9121.7	8865.1	8250.2	5100.6
67.5°	8701.5	8635.1	8984.6	9763.2	10112.6	10165.7	10094.9	9391.6	8834.2	8267.9	5281.9
70°	8475.9	8418.3	8918.2	9878.2	10276.3	10320.5	10094.9	9263.3	8413.9	7816.7	4317.6
72.5°	7781.3	7825.6	8471.4	9599.5	10050.7	9847.2	9369.4	8617.4	7869.8	6626.7	3030.3
75°	6701.9	6750.6	7608.8	8834.2	8869.6	8621.8	8365.3	7927.3	7042.6	4366.2	2101.3
77.5°	4764.4	4591.8	5874.7	7294.7	7166.4	7325.7	7347.8	6595.8	5896.8	2273.8	1406.7
80°	468.9	398.1	738.8	2092.4	4622.8	5166.9	5379.2	5082.9	4348.5	1017.5	738.8
82.5°	101.7	101.7	110.6	119.4	185.8	278.7	1278.5	3132.0	2809.1	517.6	238.9
85°	57.5	57.5	70.8	84.1	110.6	123.9	146.0	194.6	756.5	185.8	44.2
87.5°	44.2	48.7	57.5	70.8	92.9	101.7	123.9	154.8	190.2	172.5	13.3
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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CATALOG NUMBER: NVN-SA5B-722-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2.5°	92.9	88.5	84.1	79.6	75.2	75.2	70.8	70.8	70.8	70.8	70.8
5°	88.5	84.1	79.6	70.8	66.4	61.9	57.5	57.5	57.5	57.5	57.5
7.5°	88.5	84.1	75.2	66.4	57.5	53.1	48.7	44.2	44.2	48.7	48.7
10°	88.5	79.6	66.4	57.5	48.7	44.2	39.8	35.4	35.4	35.4	35.4
12.5°	84.1	75.2	61.9	53.1	44.2	35.4	26.5	22.1	22.1	22.1	22.1
15°	79.6	70.8	57.5	44.2	31.0	22.1	17.7	13.3	13.3	13.3	13.3
17.5°	79.6	66.4	53.1	39.8	22.1	13.3	8.8	4.4	4.4	4.4	8.8
20°	79.6	66.4	48.7	31.0	13.3	8.8	8.8	4.4	0.0	4.4	4.4
22.5°	79.6	61.9	39.8	22.1	13.3	8.8	4.4	0.0	0.0	0.0	0.0
25°	84.1	61.9	35.4	17.7	8.8	4.4	0.0	0.0	0.0	0.0	0.0
27.5°	84.1	57.5	31.0	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	88.5	57.5	26.5	8.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	88.5	53.1	17.7	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	88.5	48.7	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	88.5	44.2	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	92.9	39.8	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	97.3	35.4	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	101.7	31.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	115.0	31.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	132.7	31.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	159.3	31.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	207.9	26.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	300.8	26.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	504.3	26.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	884.7	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1495.2	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1950.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1481.9	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	707.8	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	314.1	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	137.1	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	53.1	8.8	4.4	4.4	4.4	4.4	0.0	0.0	0.0	0.0	0.0
82.5°	22.1	8.8	4.4	4.4	4.4	4.4	4.4	0.0	0.0	0.0	0.0
85°	13.3	8.8	8.8	8.8	4.4	4.4	4.4	0.0	0.0	0.0	0.0
87.5°	8.8	8.8	8.8	8.8	8.8	4.4	4.4	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

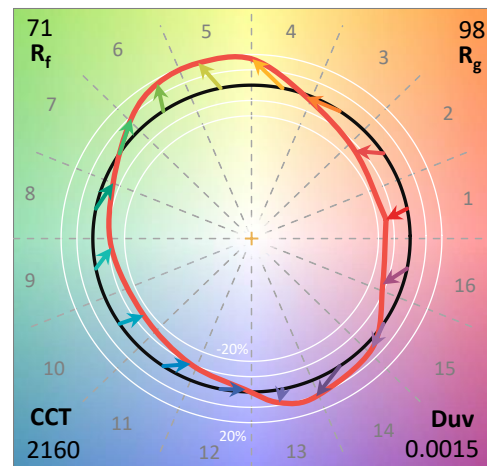
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

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

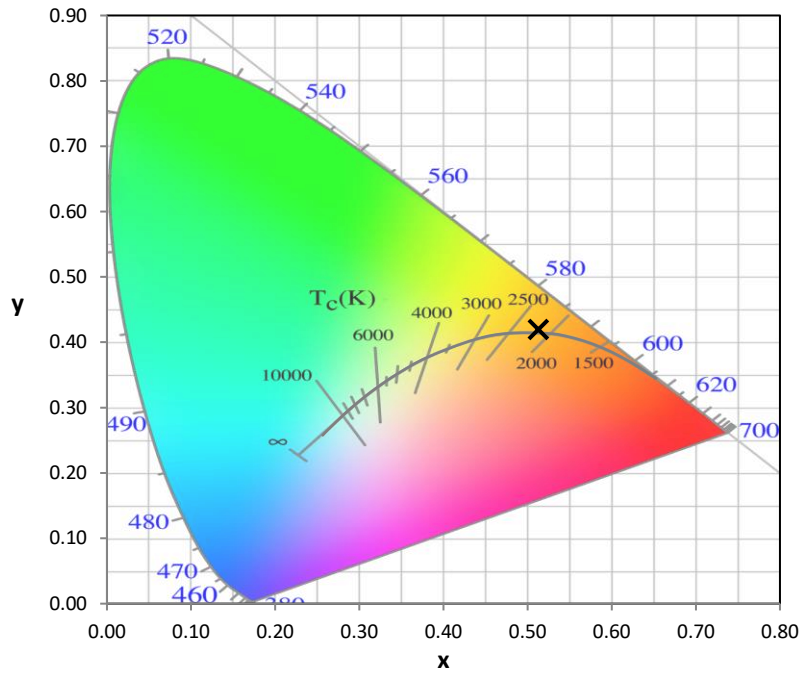
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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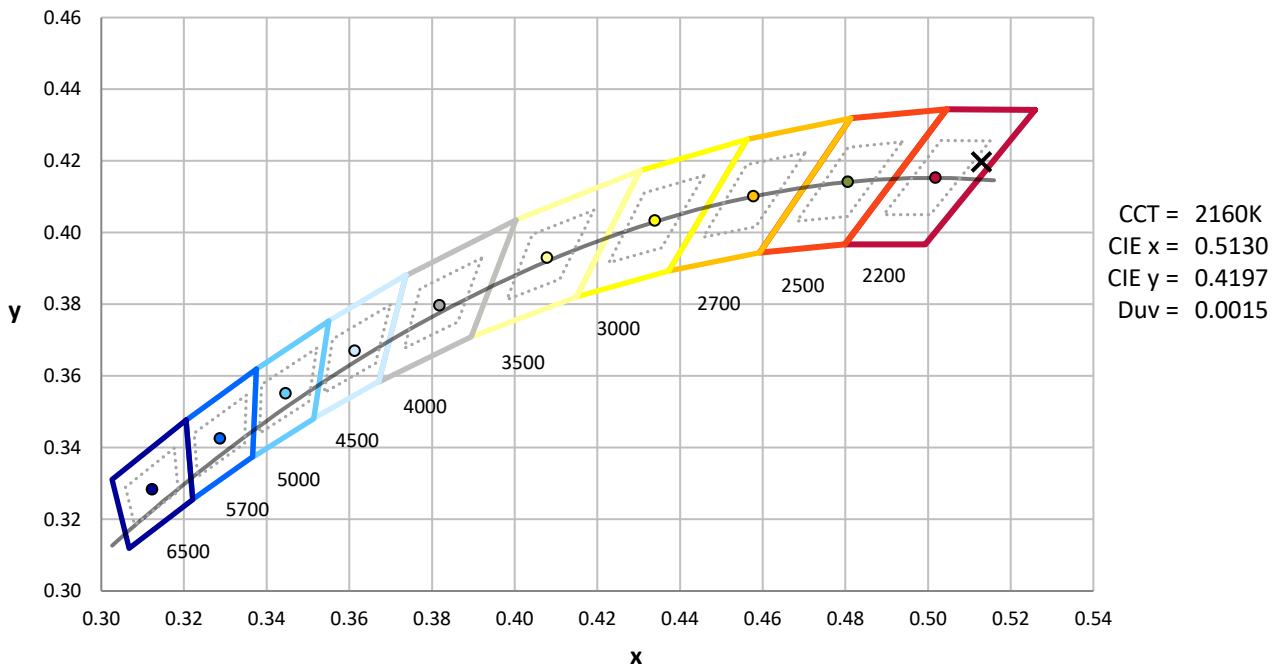
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



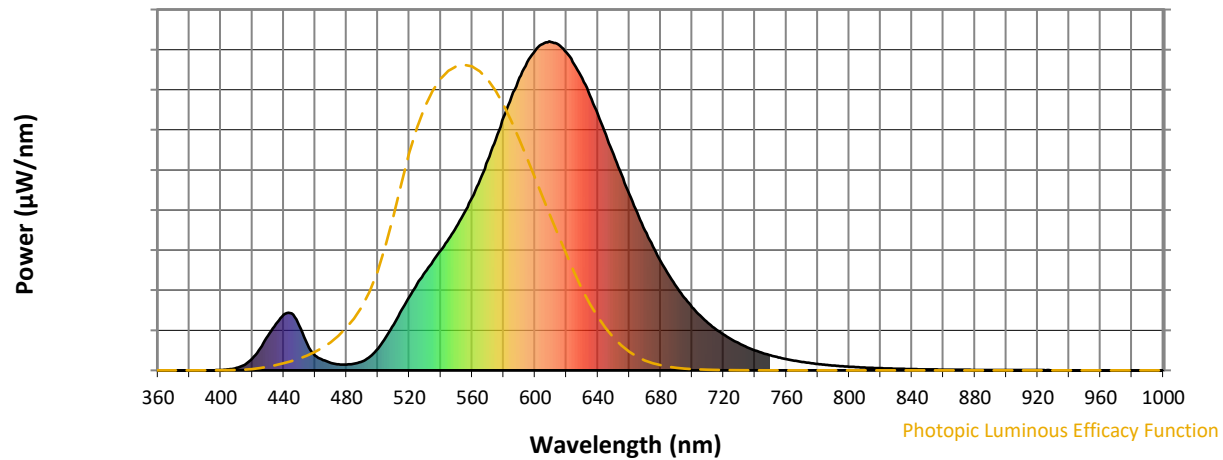
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

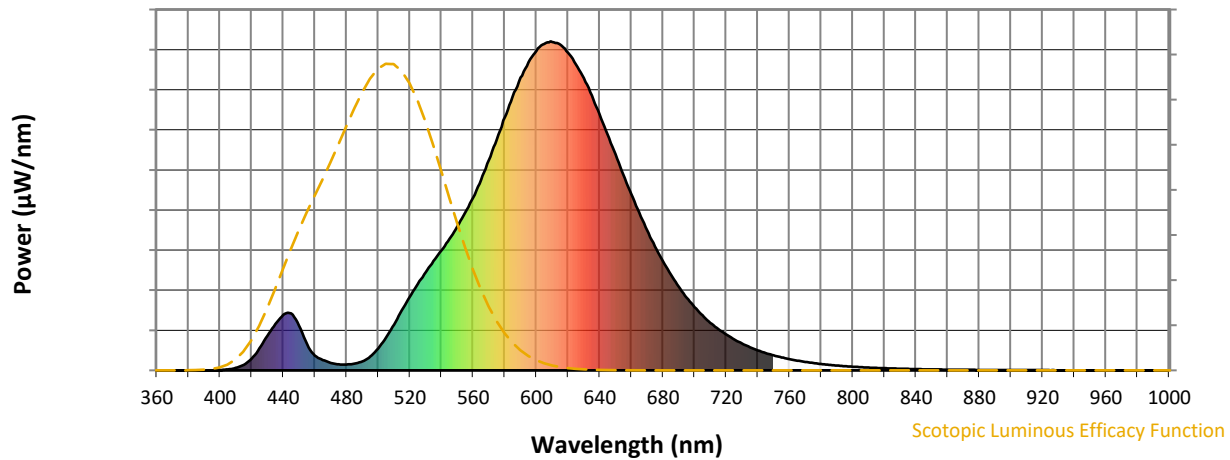


Photopic Lumens: NR

λ (nm)	Power 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	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



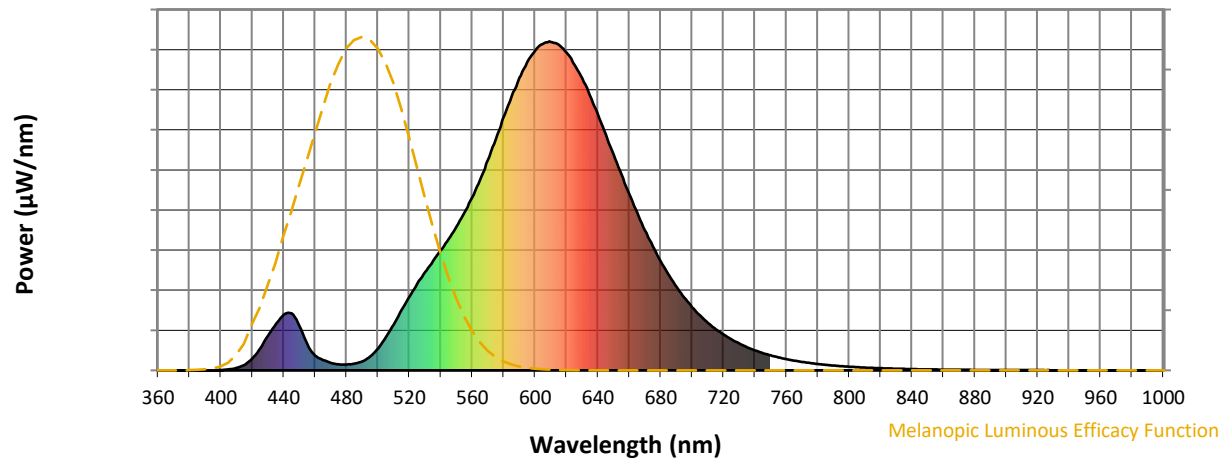
Scotopic Lumens: NR

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

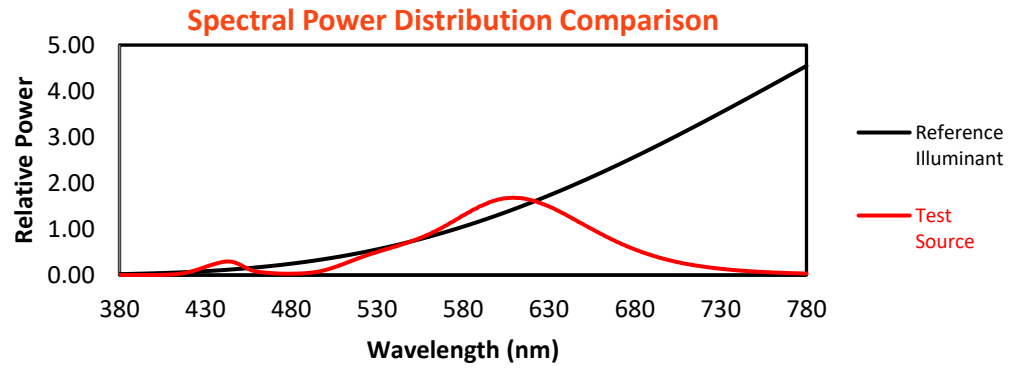
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	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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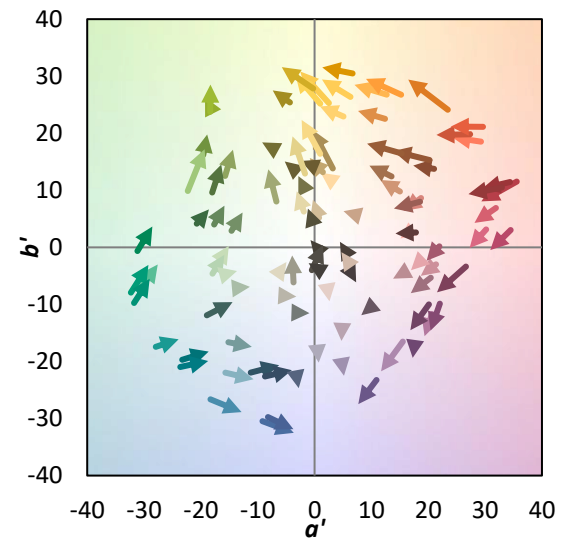
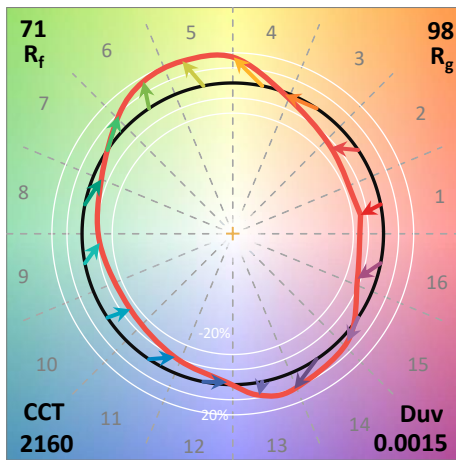
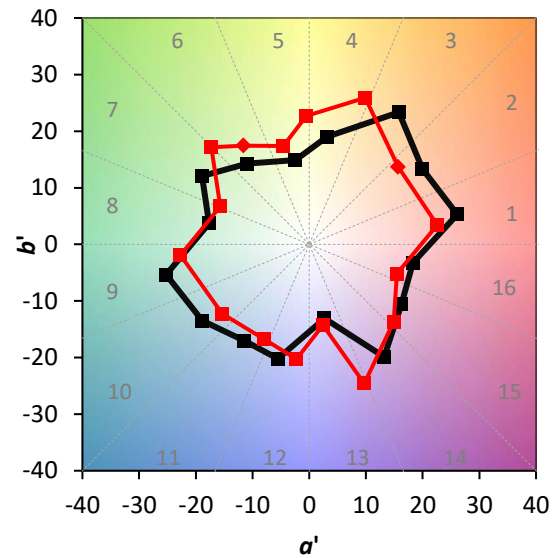
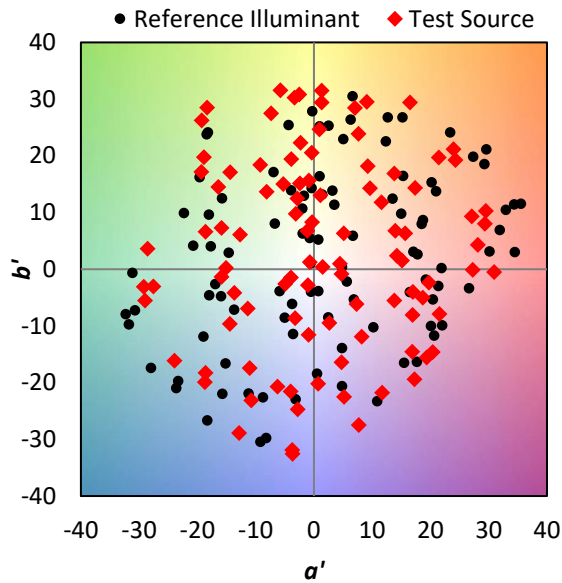
TM-30-18

Summary

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

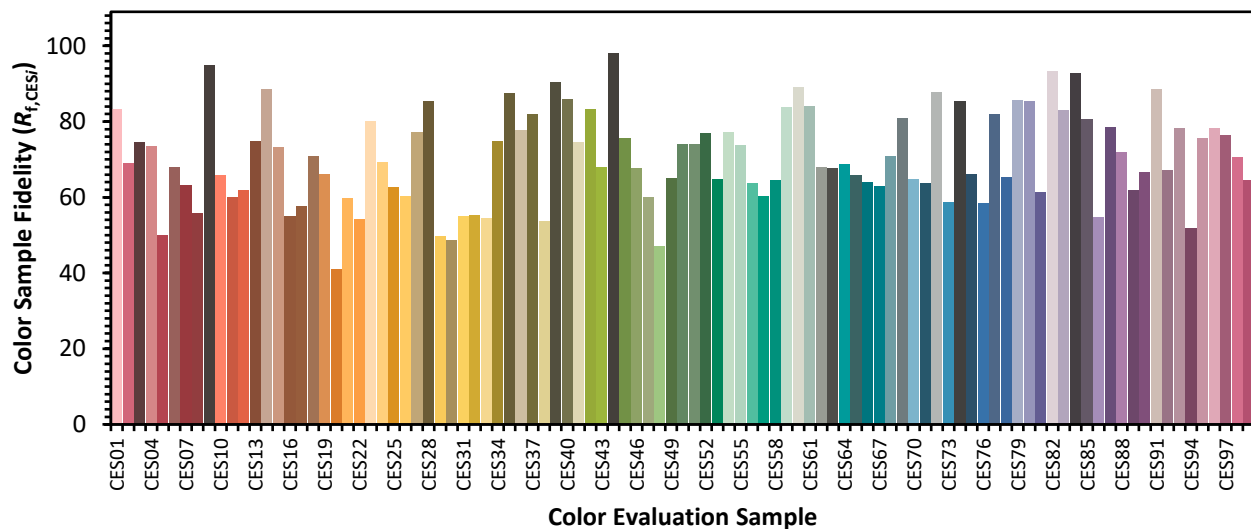


Color Vector Graphics

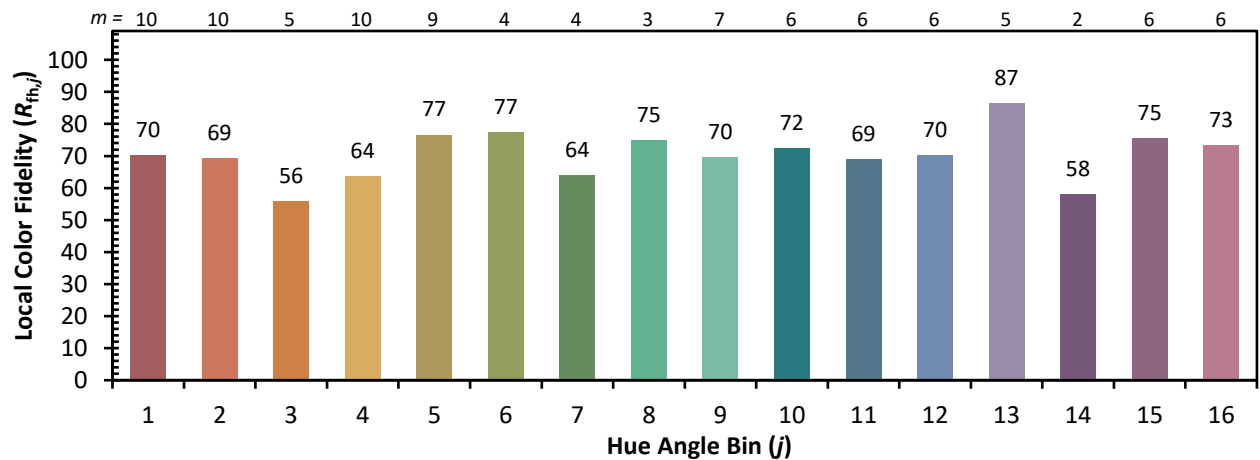
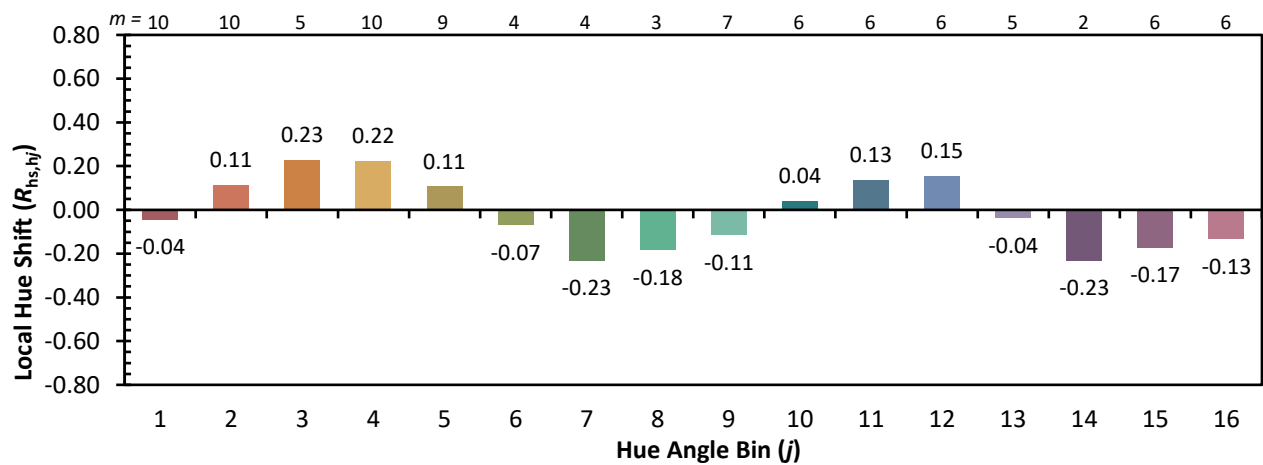
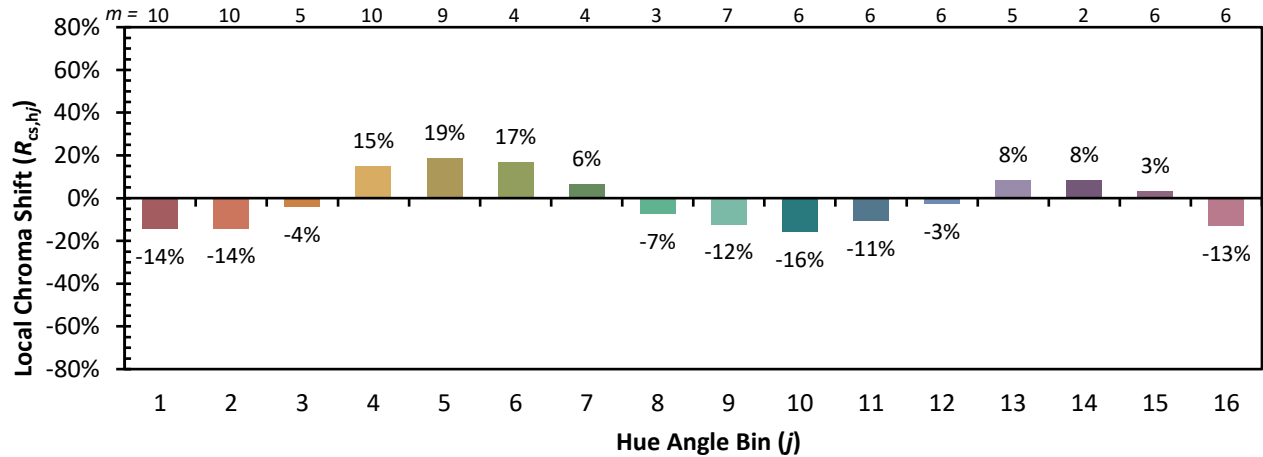


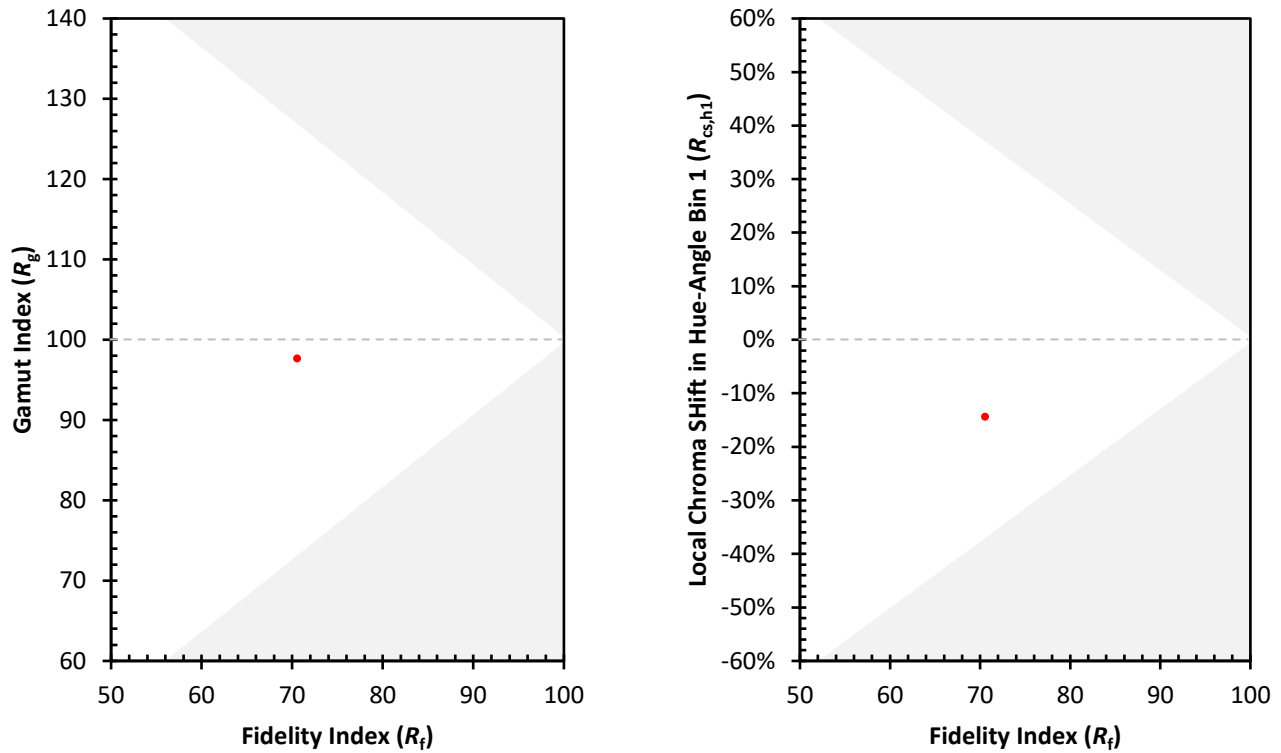
Individual Sample Fidelity Index ($R_{f,i}$)

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)