

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: P1066233

Luminaire Tested: **NVN-SA6A-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066233
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA6A-722-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 6xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15681.8 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 161.6
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

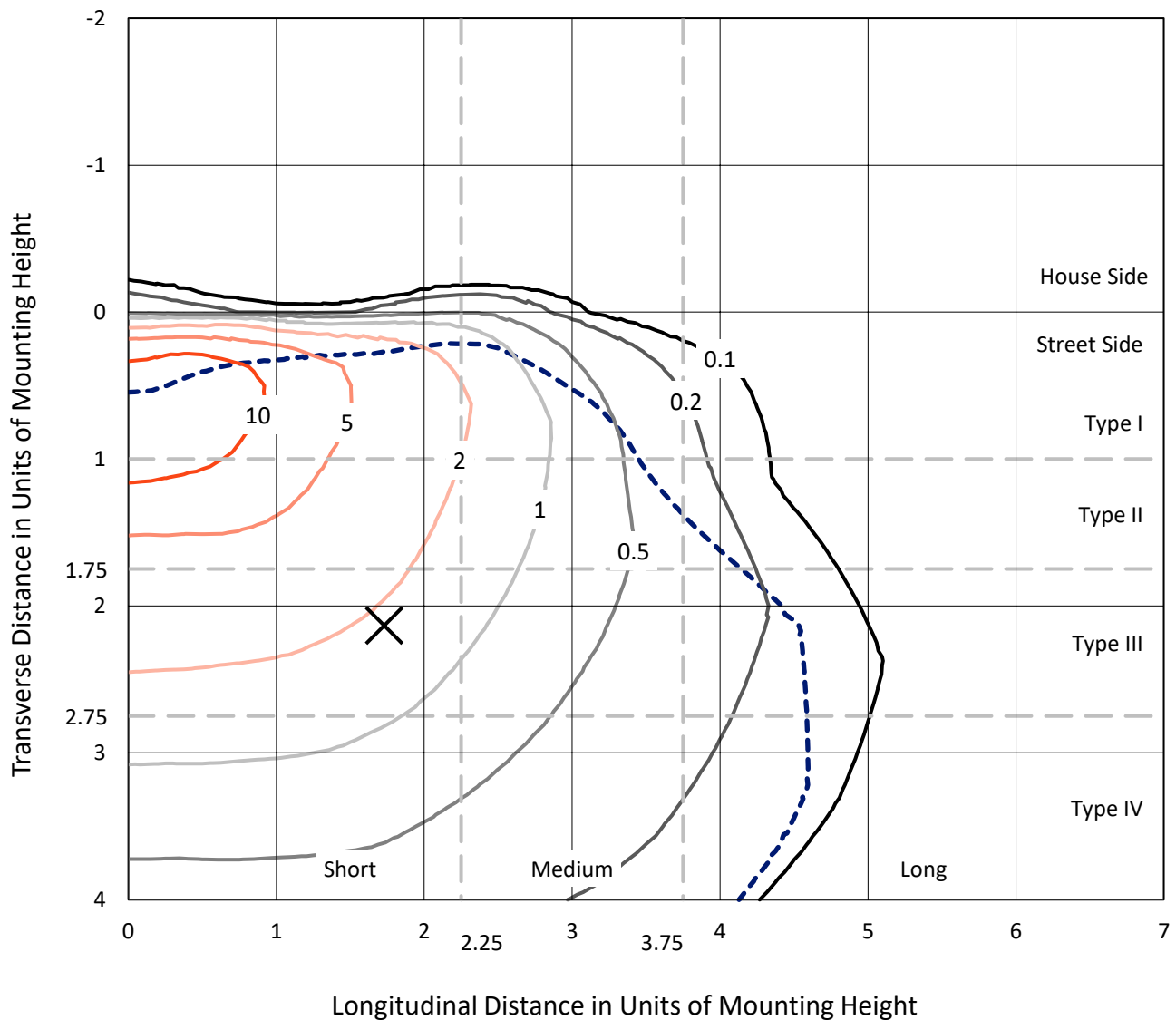


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CATALOG NUMBER: NVN-SA6A-722-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

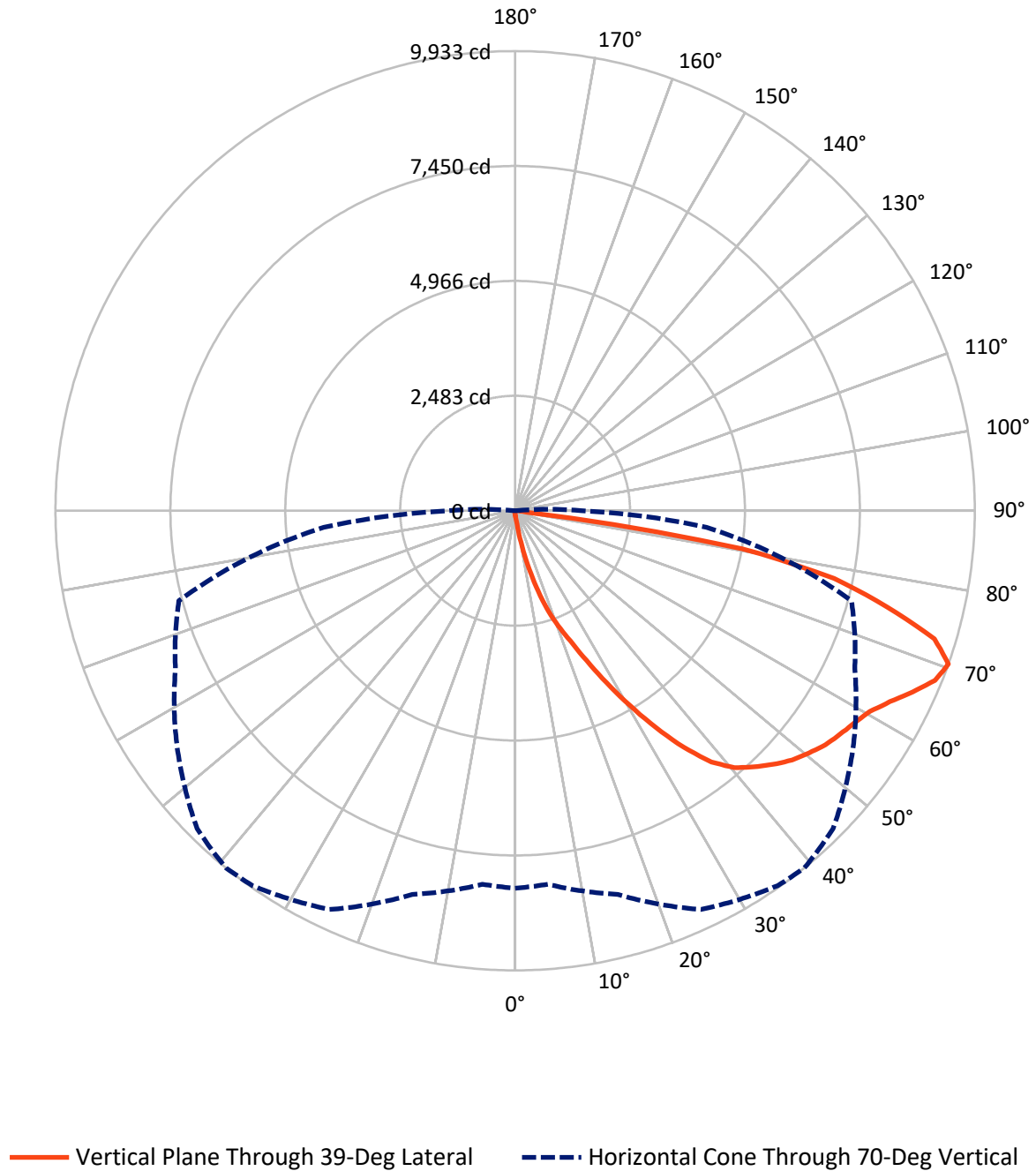


Based on 15 foot mounting height. Maximum calculated value = 17.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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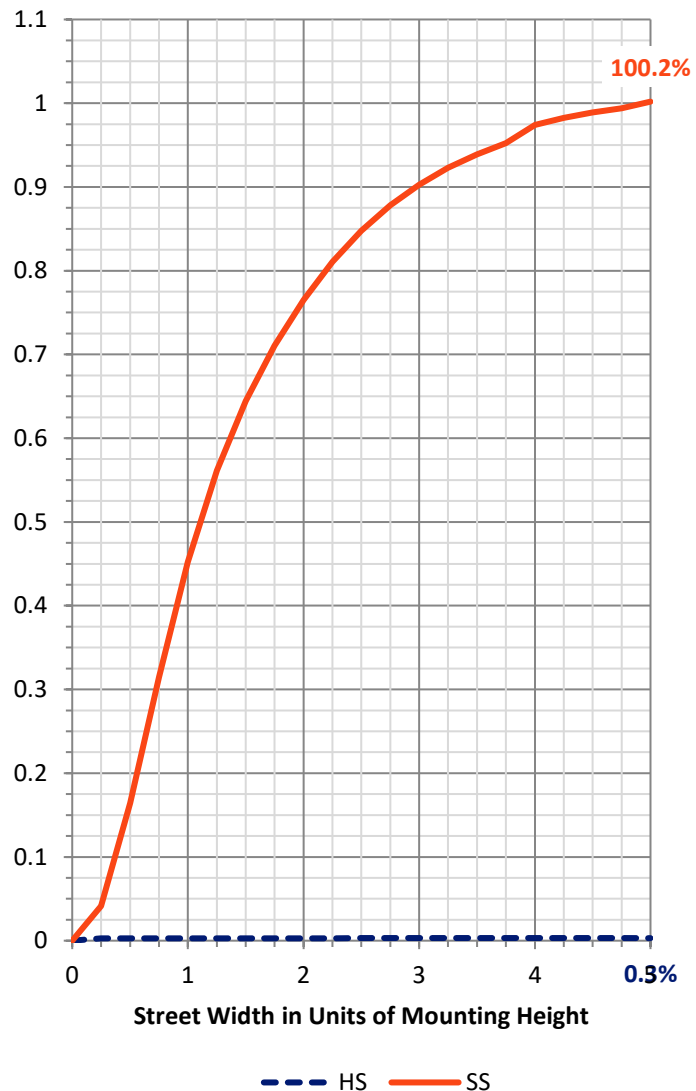
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.3	0.0	48.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	15633.5	0.0	15633.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	15681.8	0.0	15681.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.1
10°-20°	192.8	1.2
20°-30°	654.2	4.2
30°-40°	1537.5	9.8
40°-50°	2496.7	15.9
50°-60°	3163.8	20.2
60°-70°	4018.8	25.6
70°-80°	3265.3	20.8
80°-90°	336.2	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°	15681.8	100.0
0°-180°	15681.8	100.0



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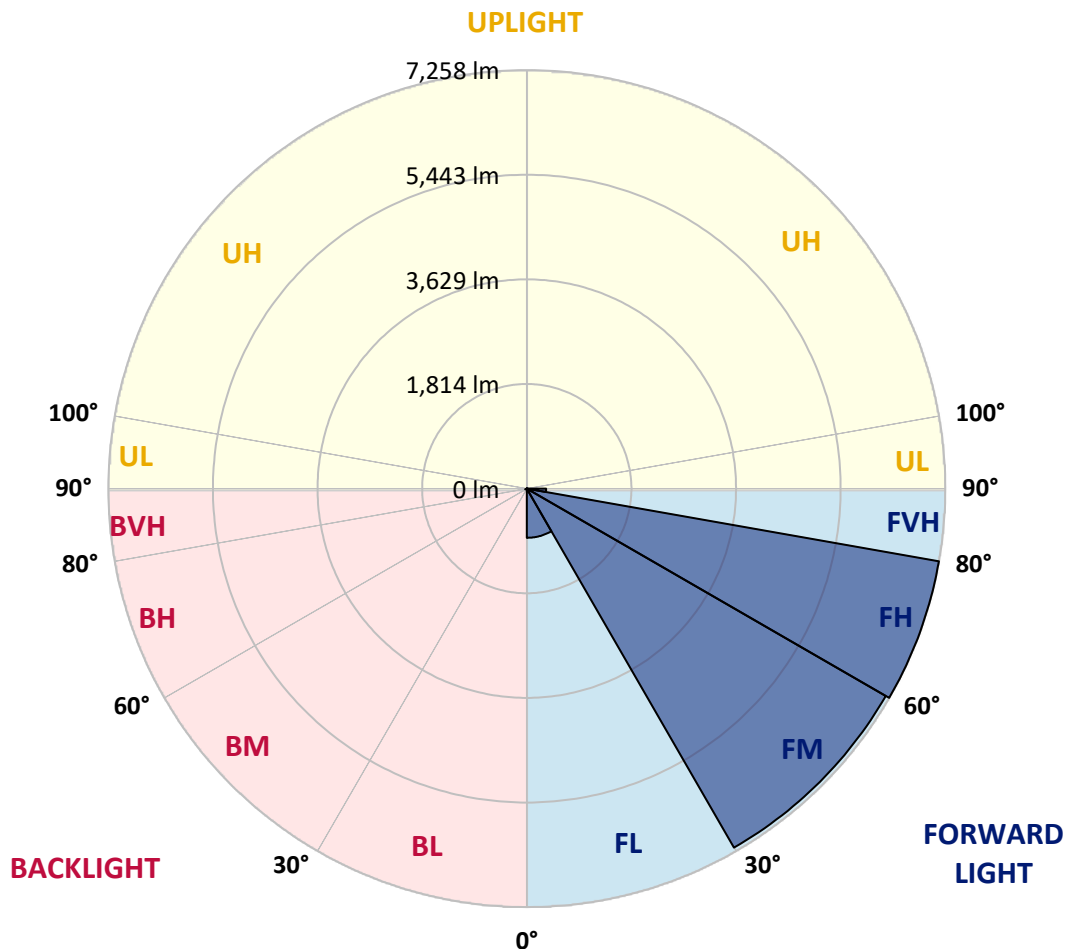
CATALOG NUMBER: NVN-SA6A-722-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	853.1	5.4			
FM	(30°-60°)	7188.7	45.8			
FH	(60°-80°)	7257.5	46.3			G3/7500
FVH	(80°-90°)	334.2	2.1			G3/500
BL	(0°-30°)	10.5	0.1	B0/110		
BM	(30°-60°)	9.3	0.1	B0/220		
BH	(60°-80°)	26.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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



REPORT NUMBER: P1066233

CATALOG NUMBER: NVN-SA6A-722-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2.5°	110.7	110.7	110.7	106.4	106.4	102.2	102.2	97.9	93.7	93.7	89.4
5°	208.6	212.9	200.1	174.6	157.5	149.0	140.5	119.2	106.4	97.9	89.4
7.5°	570.5	553.5	527.9	442.8	340.6	289.5	246.9	174.6	127.7	102.2	89.4
10°	1200.6	1153.8	1081.4	966.5	766.4	685.5	532.2	319.3	178.8	115.0	89.4
12.5°	1762.6	1771.1	1681.7	1571.0	1328.4	1192.1	983.5	600.3	281.0	136.2	89.4
15°	2188.4	2179.9	2145.8	2056.4	1839.3	1707.3	1519.9	1009.0	472.6	170.3	93.7
17.5°	2524.7	2490.7	2477.9	2439.6	2299.1	2226.7	2022.3	1485.9	749.3	229.9	97.9
20°	2861.1	2852.6	2839.8	2797.2	2703.5	2652.5	2494.9	1967.0	1115.5	327.8	106.4
22.5°	3350.7	3303.9	3312.4	3218.7	3142.1	3052.7	2924.9	2477.9	1537.0	468.3	119.2
25°	3925.5	3921.2	3853.1	3810.5	3682.8	3584.9	3414.6	2971.8	2005.3	677.0	132.0
27.5°	4602.4	4555.6	4525.8	4453.4	4321.4	4210.7	3976.6	3461.4	2512.0	911.1	149.0
30°	5309.2	5309.2	5253.8	5143.1	5015.4	4879.2	4640.7	3976.6	3014.3	1209.1	170.3
32.5°	6135.1	6152.2	6015.9	5849.9	5683.8	5590.2	5279.4	4559.8	3495.4	1549.7	195.8
35°	6935.6	6914.3	6688.6	6505.5	6382.1	6279.9	6015.9	5198.5	4040.4	1945.7	229.9
37.5°	7701.9	7646.6	7271.9	7012.2	6956.8	6888.7	6624.7	5837.1	4581.1	2384.2	272.5
40°	8251.1	8166.0	7778.5	7420.9	7340.0	7301.7	7097.3	6416.1	5151.6	2873.8	327.8
42.5°	8489.6	8391.6	8123.4	7833.9	7655.1	7565.7	7386.9	6888.7	5722.1	3418.8	408.7
45°	8536.4	8459.8	8268.2	8200.0	7957.4	7821.1	7578.4	7225.1	6254.3	3959.5	519.4
47.5°	8366.1	8332.0	8217.1	8361.8	8238.4	8051.0	7757.3	7476.3	6726.9	4615.2	672.7
50°	7948.8	7923.3	7978.7	8357.6	8442.7	8229.8	7953.1	7672.1	7135.7	5292.1	889.8
52.5°	7386.9	7382.6	7642.3	8246.9	8532.1	8400.1	8144.7	7868.0	7459.2	5947.8	1196.4
55°	6773.8	6846.1	7301.7	8144.7	8583.2	8523.6	8332.0	8042.5	7748.7	6556.6	1690.2
57.5°	6722.7	6692.9	7131.4	8102.1	8613.0	8647.1	8519.4	8225.6	7995.7	7054.8	2350.2
60°	7233.6	7165.5	7331.5	8191.5	8745.0	8804.6	8706.7	8366.1	8242.6	7446.5	3218.7
62.5°	7825.4	7761.5	7846.7	8536.4	9004.7	9089.9	8966.4	8510.8	8442.7	7718.9	4151.1
65°	8298.0	8246.9	8408.7	9051.6	9366.6	9439.0	9353.8	8779.1	8532.1	7940.3	4909.0
67.5°	8374.6	8310.7	8647.1	9396.4	9732.8	9783.9	9715.7	9038.8	8502.3	7957.4	5083.5
70°	8157.5	8102.1	8583.2	9507.1	9890.3	9932.9	9715.7	8915.3	8097.9	7523.1	4155.4
72.5°	7489.0	7531.6	8153.2	9238.9	9673.2	9477.3	9017.5	8293.7	7574.2	6377.8	2916.4
75°	6450.2	6497.0	7323.0	8502.3	8536.4	8298.0	8051.0	7629.5	6778.0	4202.2	2022.3
77.5°	4585.4	4419.3	5654.0	7020.7	6897.2	7050.5	7071.8	6348.0	5675.3	2188.4	1353.9
80°	451.3	383.2	711.0	2013.8	4449.1	4972.8	5177.2	4891.9	4185.2	979.2	711.0
82.5°	97.9	97.9	106.4	115.0	178.8	268.2	1230.4	3014.3	2703.5	498.1	229.9
85°	55.3	55.3	68.1	80.9	106.4	119.2	140.5	187.3	728.0	178.8	42.6
87.5°	42.6	46.8	55.3	68.1	89.4	97.9	119.2	149.0	183.1	166.0	12.8
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°	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2.5°	89.4	85.2	80.9	76.6	72.4	72.4	68.1	68.1	68.1	68.1	68.1
5°	85.2	80.9	76.6	68.1	63.9	59.6	55.3	55.3	55.3	55.3	55.3
7.5°	85.2	80.9	72.4	63.9	55.3	51.1	46.8	42.6	42.6	46.8	46.8
10°	85.2	76.6	63.9	55.3	46.8	42.6	38.3	34.1	34.1	34.1	34.1
12.5°	80.9	72.4	59.6	51.1	42.6	34.1	25.5	21.3	21.3	21.3	21.3
15°	76.6	68.1	55.3	42.6	29.8	21.3	17.0	12.8	12.8	12.8	12.8
17.5°	76.6	63.9	51.1	38.3	21.3	12.8	8.5	4.3	4.3	4.3	8.5
20°	76.6	63.9	46.8	29.8	12.8	8.5	8.5	4.3	0.0	4.3	4.3
22.5°	76.6	59.6	38.3	21.3	12.8	8.5	4.3	0.0	0.0	0.0	0.0
25°	80.9	59.6	34.1	17.0	8.5	4.3	0.0	0.0	0.0	0.0	0.0
27.5°	80.9	55.3	29.8	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	85.2	55.3	25.5	8.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	85.2	51.1	17.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	85.2	46.8	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	85.2	42.6	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	89.4	38.3	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	93.7	34.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	97.9	29.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	110.7	29.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	127.7	29.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	153.3	29.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	200.1	25.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	289.5	25.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	485.4	25.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	851.5	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1439.1	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1877.6	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1426.3	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	681.2	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	302.3	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	132.0	12.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	51.1	8.5	4.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0
82.5°	21.3	8.5	4.3	4.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0
85°	12.8	8.5	8.5	8.5	4.3	4.3	4.3	0.0	0.0	0.0	0.0
87.5°	8.5	8.5	8.5	8.5	8.5	4.3	4.3	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

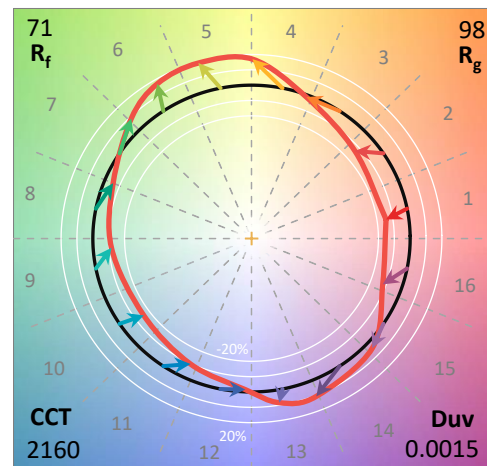
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

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

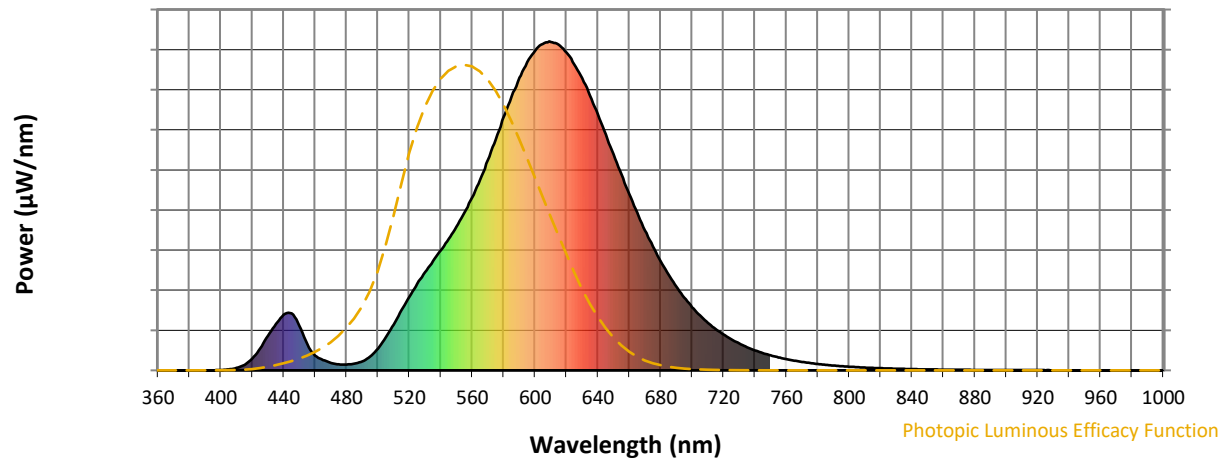
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

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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Photopic Flux vs. Wavelength

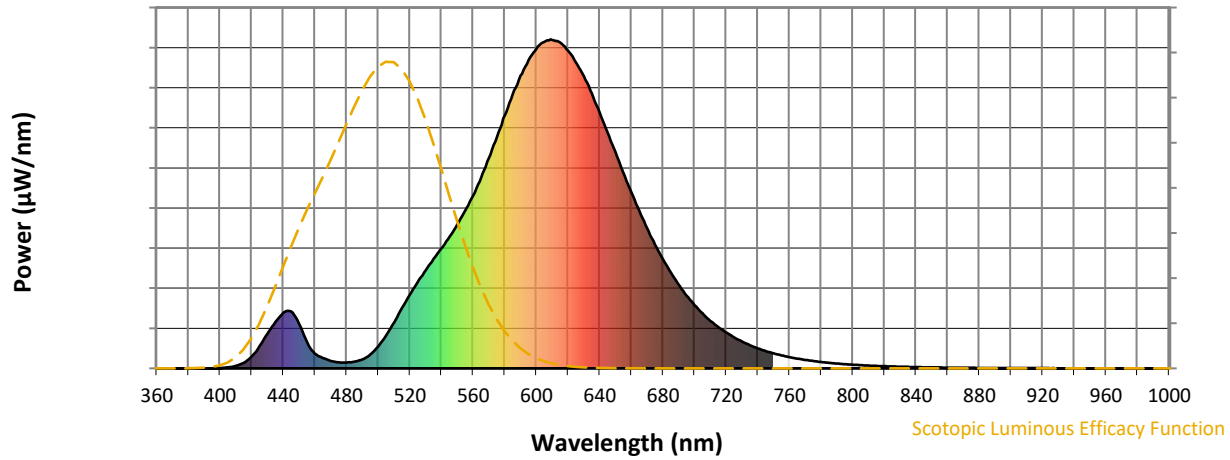


Photopic Lumens: NR

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



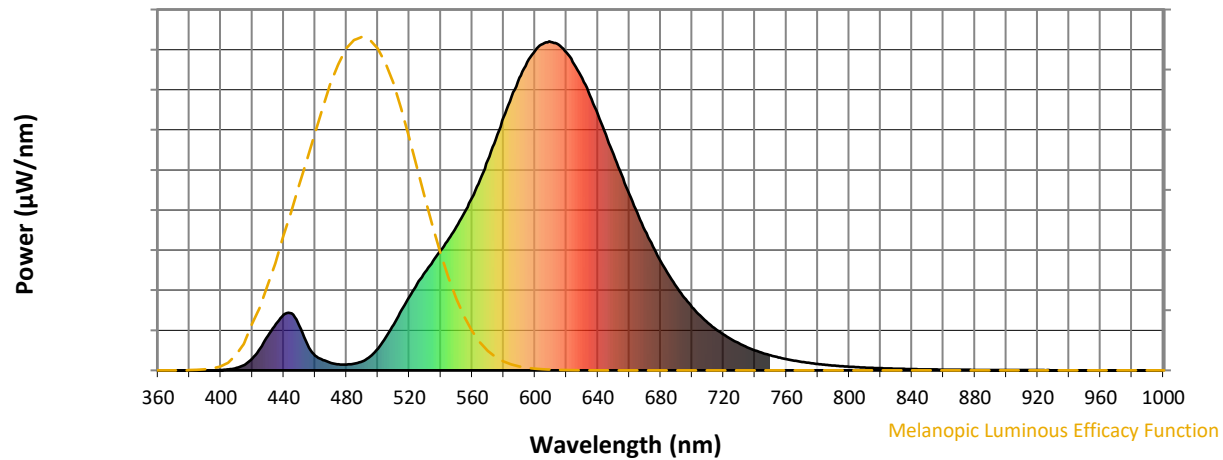
Scotopic Lumens: NR

S/P: 0.8

λ (nm)	Power 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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.21

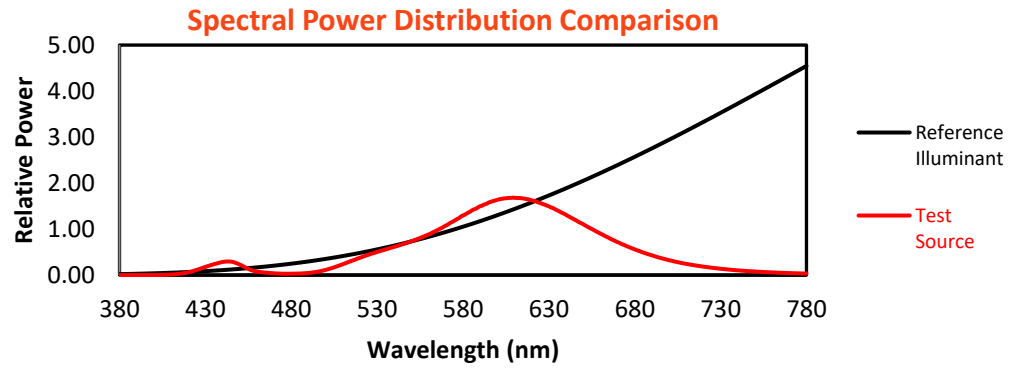
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966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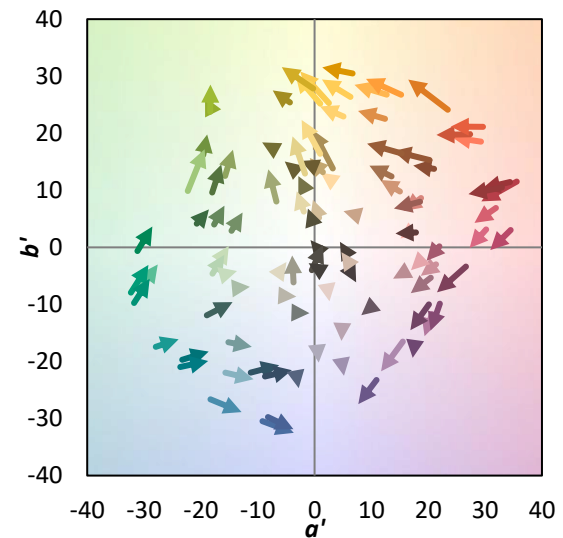
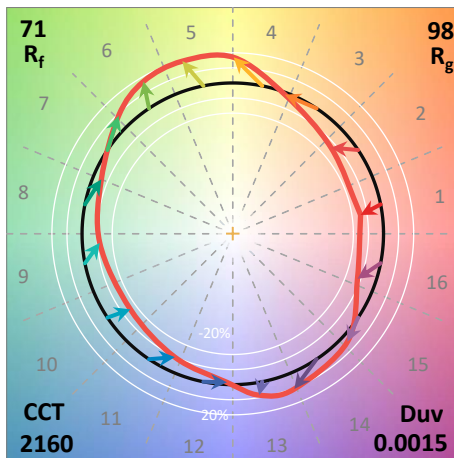
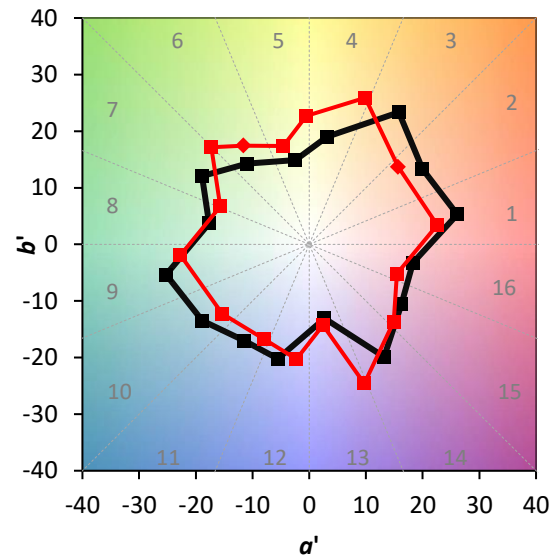
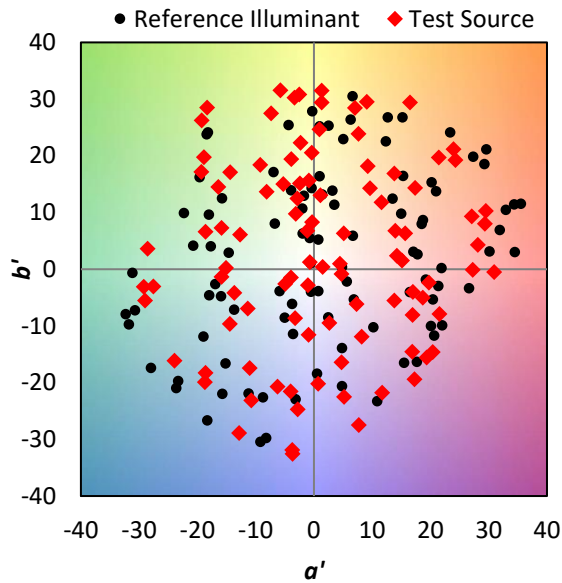
TM-30-18

Summary

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

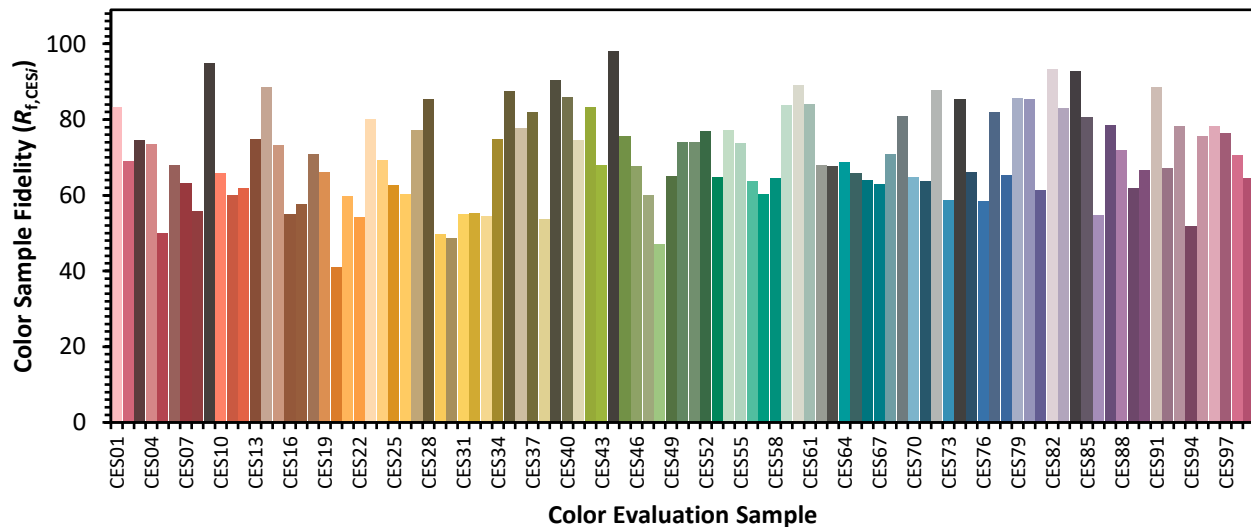


Color Vector Graphics

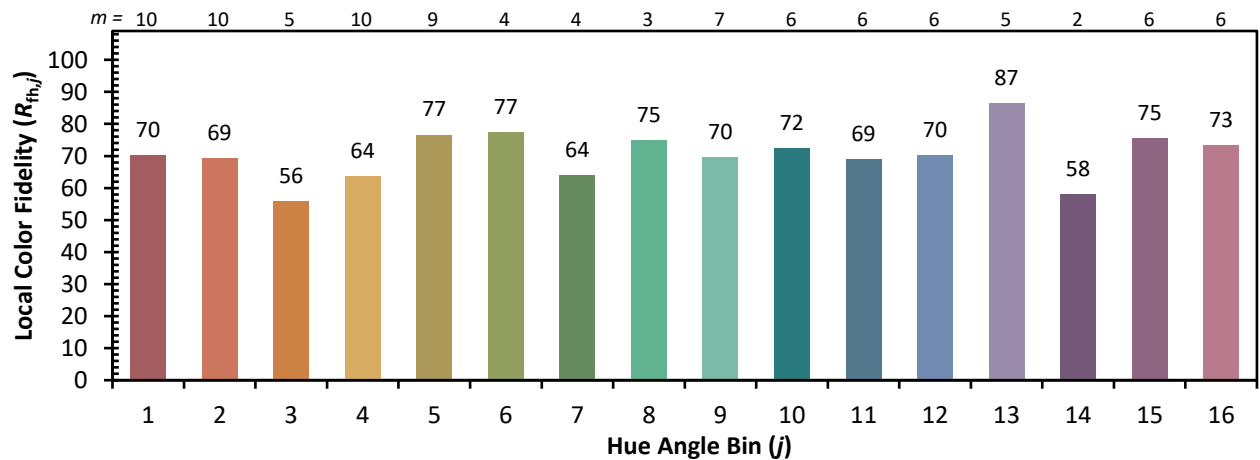
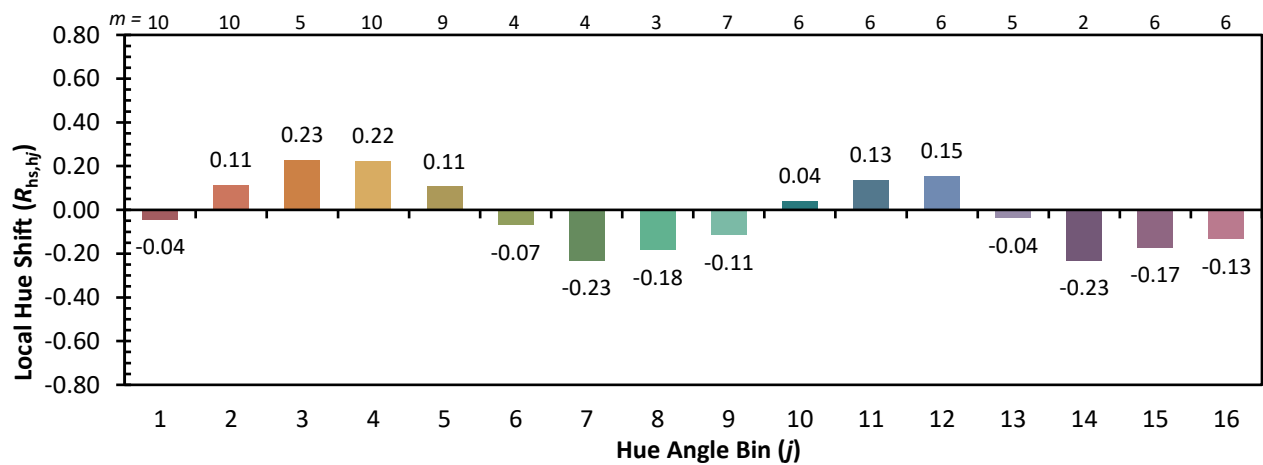
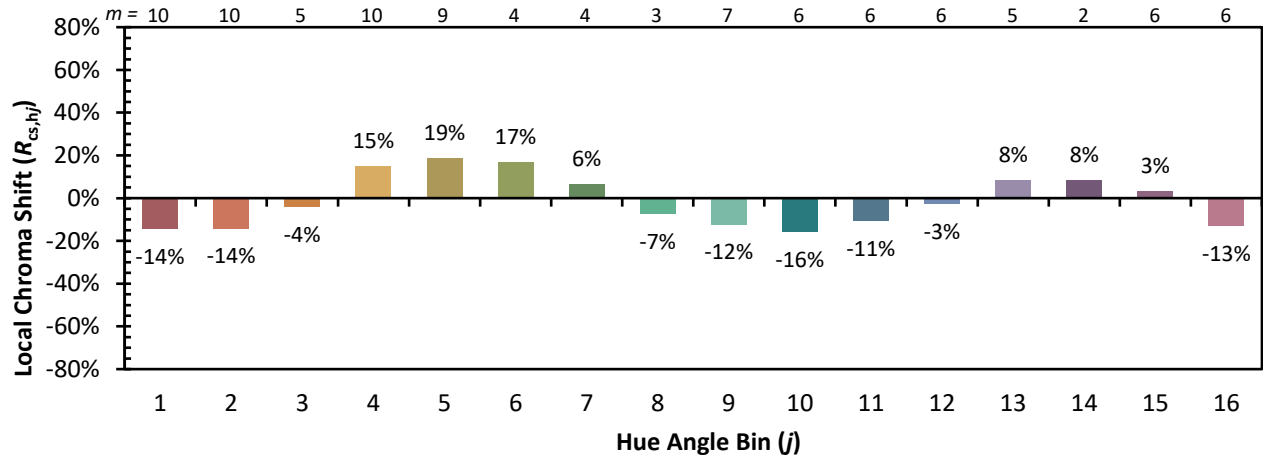


Individual Sample Fidelity Index ($R_{f,i}$)

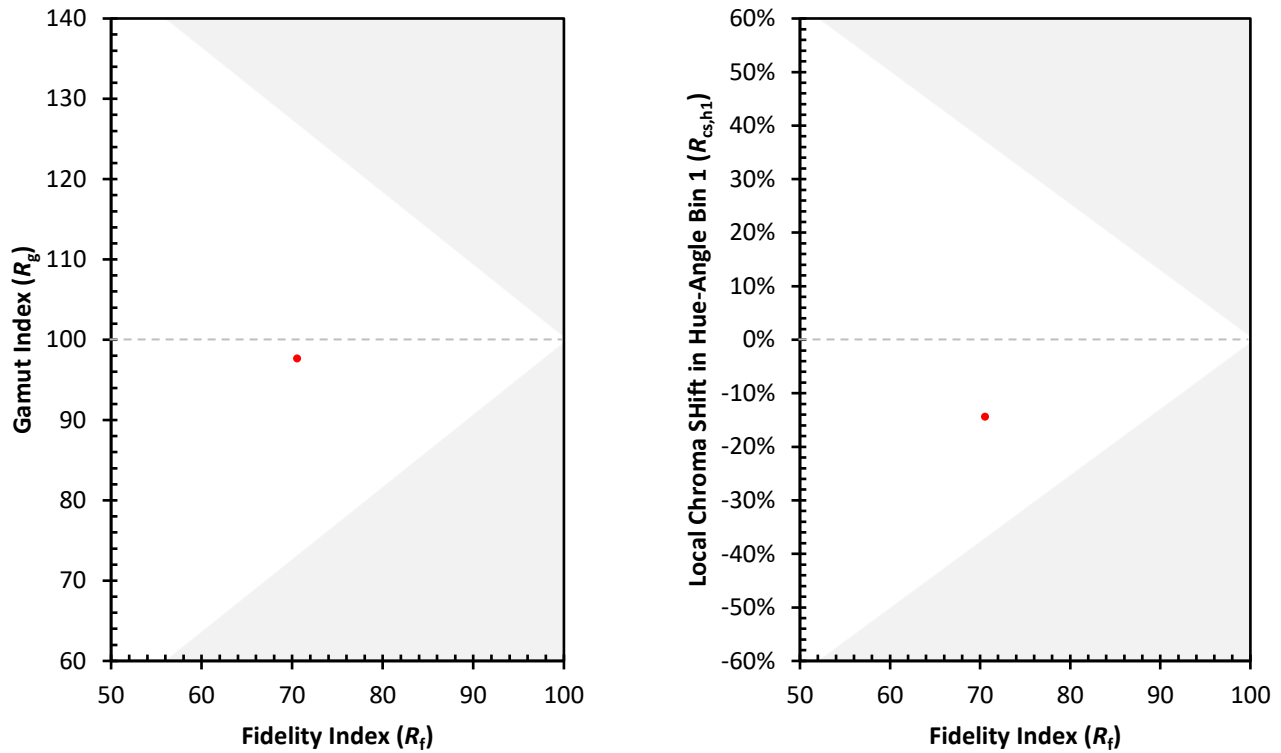
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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)