

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: P1065985

Luminaire Tested: **NVN-SA4A-722-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065985
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4A-722-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10245.1 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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



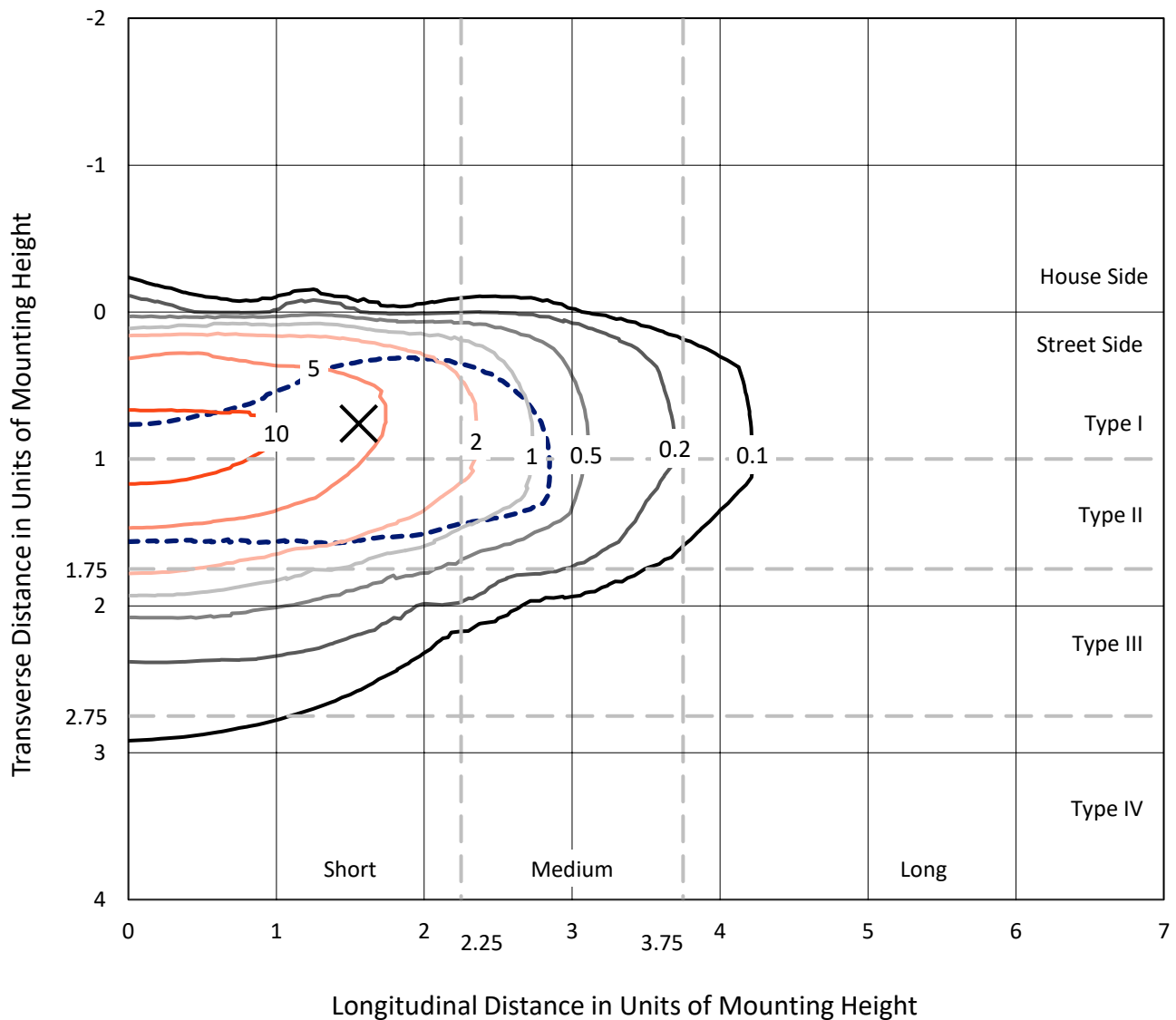
REPORT NUMBER: P1065985

CATALOG NUMBER: NVN-SA4A-722-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

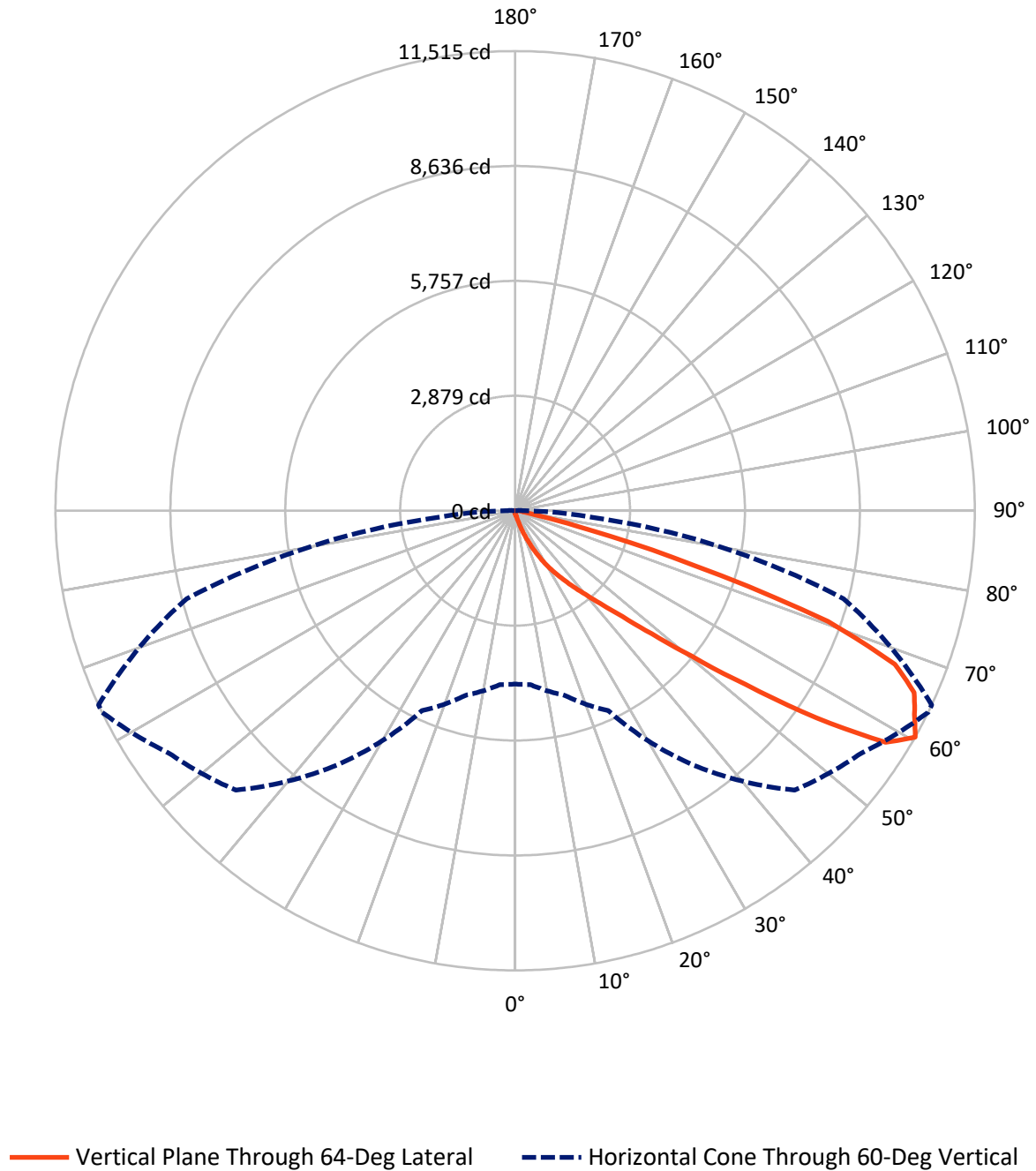


Based on 15 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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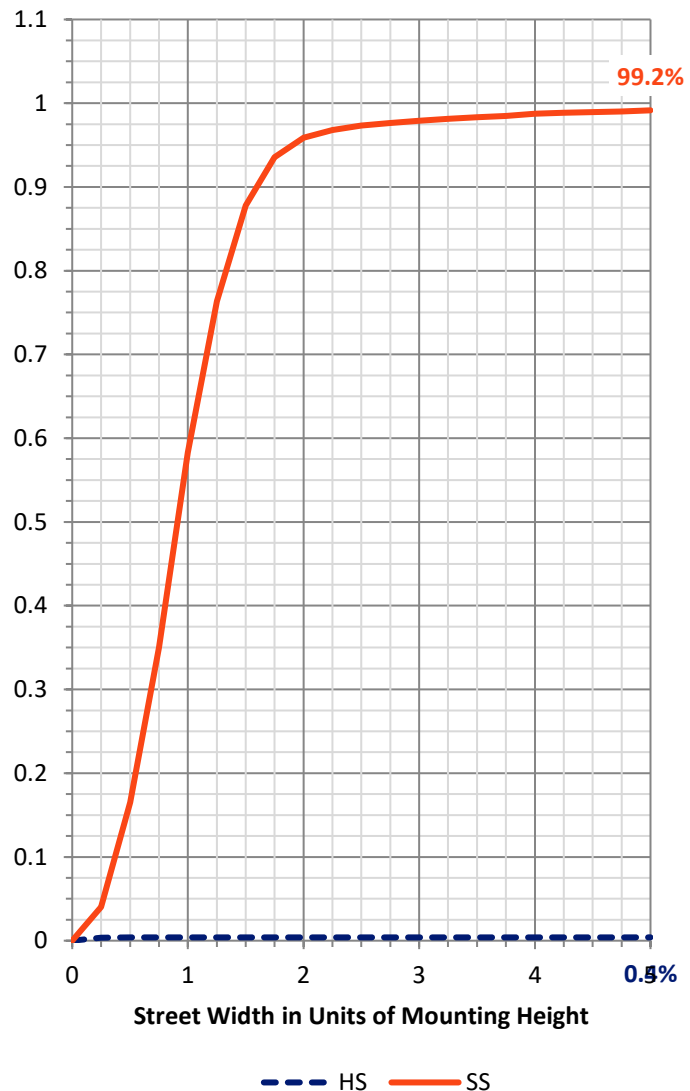
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	41.5	0.0	41.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10203.6	0.0	10203.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	10245.1	0.0	10245.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.1
10°-20°	100.7	1.0
20°-30°	334.4	3.3
30°-40°	892.2	8.7
40°-50°	2267.8	22.1
50°-60°	3305.9	32.3
60°-70°	2553.5	24.9
70°-80°	701.2	6.8
80°-90°	79.2	0.8
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°	10245.1	100.0
0°-180°	10245.1	100.0



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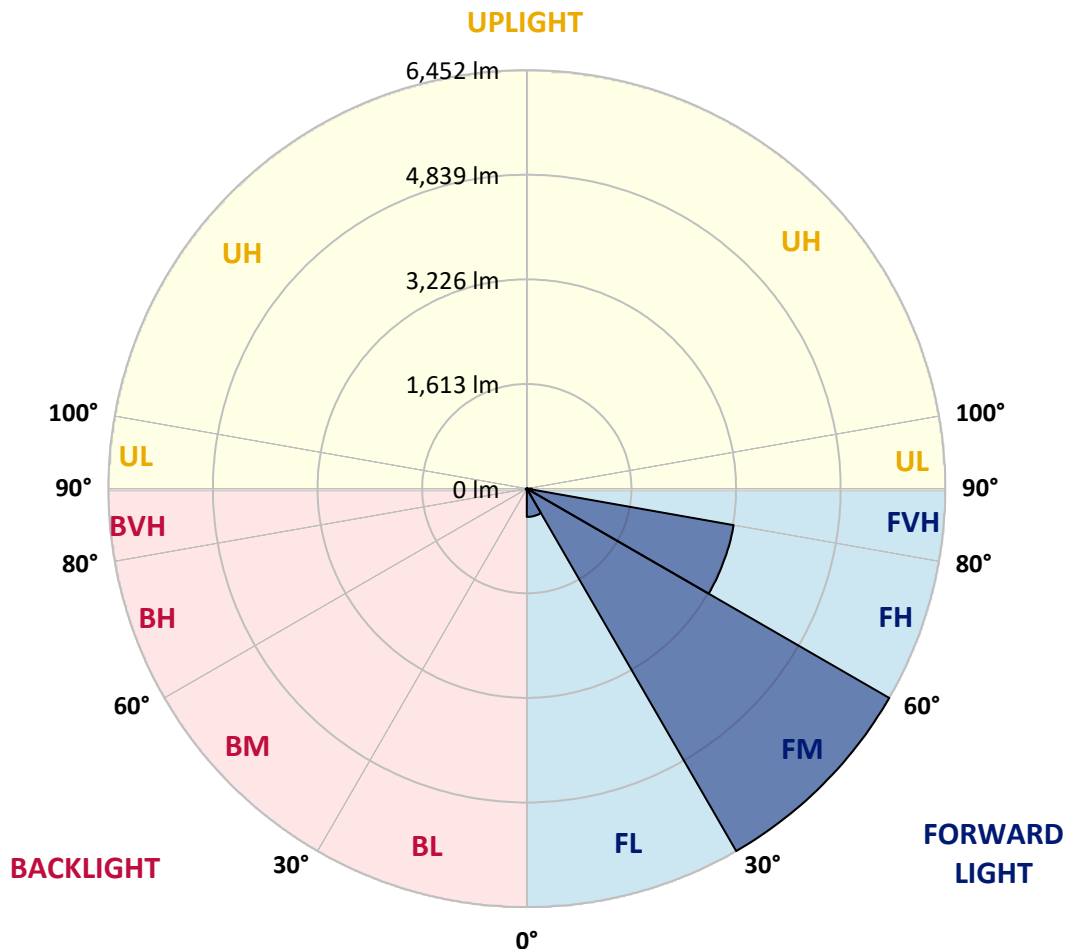
CATALOG NUMBER: NVN-SA4A-722-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	435.9	4.3			
FM	(30°-60°)	6452.2	63.0			
FH	(60°-80°)	3238.2	31.6			G2/5000
FVH	(80°-90°)	77.3	0.8			G1/100
BL	(0°-30°)	9.3	0.1	B0/110		
BM	(30°-60°)	13.8	0.1	B0/220		
BH	(60°-80°)	16.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
2.5°	90.2	90.2	90.2	87.4	84.6	84.6	81.8	79.0	79.0	73.3	70.5
5°	138.2	138.2	132.5	126.9	118.4	107.2	95.9	87.4	87.4	79.0	73.3
7.5°	270.7	279.2	253.8	222.8	180.5	152.3	121.3	101.5	98.7	84.6	73.3
10°	586.6	580.9	541.5	465.3	366.6	265.1	169.2	124.1	118.4	90.2	73.3
12.5°	882.7	891.2	848.9	764.3	645.8	471.0	290.5	160.7	155.1	98.7	73.3
15°	1136.5	1136.5	1108.3	1066.0	936.3	753.0	468.1	239.7	220.0	107.2	70.5
17.5°	1311.4	1308.5	1297.3	1286.0	1209.8	1020.9	716.3	383.5	338.4	126.9	70.5
20°	1508.8	1500.3	1514.4	1491.8	1432.6	1283.2	978.6	569.7	527.4	160.7	70.5
22.5°	1714.6	1723.1	1734.4	1711.8	1646.9	1517.2	1255.0	809.4	764.3	222.8	73.3
25°	1976.9	1971.3	1996.6	1976.9	1895.1	1742.8	1514.4	1071.6	1006.8	310.2	79.0
27.5°	2298.4	2287.1	2304.0	2253.3	2146.1	1991.0	1745.7	1339.6	1263.4	445.6	90.2
30°	2724.2	2732.7	2656.5	2597.3	2445.0	2239.2	2002.3	1627.2	1548.2	606.3	101.5
32.5°	3395.4	3336.2	3217.8	2978.0	2777.8	2515.5	2258.9	1878.2	1807.7	812.2	118.4
35°	4441.7	4453.0	4193.5	3601.3	3167.0	2862.4	2540.9	2154.6	2103.8	1046.3	141.0
37.5°	5716.4	5685.4	5456.9	4709.6	3736.7	3293.9	2862.4	2456.3	2383.0	1300.1	169.2
40°	7160.3	7030.5	6898.0	6390.4	4923.9	3835.4	3268.5	2806.0	2749.6	1593.4	214.3
42.5°	8316.5	8282.7	8305.2	8093.7	6903.6	4757.5	3807.2	3234.7	3167.0	1957.2	293.3
45°	8886.2	8838.2	8973.6	9131.5	8827.0	6720.3	4675.8	3781.8	3691.5	2385.8	414.6
47.5°	8733.9	8700.1	8990.5	9300.7	9706.8	8996.2	6094.3	4599.6	4444.5	2935.7	595.0
50°	7983.7	7986.6	8463.2	9041.3	9684.3	10149.6	8195.3	5719.2	5524.6	3666.1	877.1
52.5°	7253.3	7275.9	7780.7	8623.9	9348.7	10285.0	10039.6	7228.0	6912.1	4526.3	1209.8
55°	6503.2	6514.5	6960.0	8147.3	9190.8	9881.7	10987.2	9171.0	8835.4	5597.9	1534.1
57.5°	5781.2	5781.2	5947.6	7002.3	9018.7	9845.0	10874.4	10947.7	10674.1	6821.9	1773.9
60°	4343.0	4371.2	4785.7	5524.6	7777.9	9898.6	10586.7	11514.5	11514.5	8519.6	1957.2
62.5°	2194.0	2236.4	2752.4	3471.6	5335.7	9159.7	10631.8	11229.7	11274.8	10017.0	2374.5
65°	1029.3	1077.3	1353.7	1861.3	2870.9	6446.8	10163.7	10987.2	10973.1	9732.2	3254.4
67.5°	738.9	753.0	846.0	1085.7	1545.4	2825.8	7758.1	10262.4	10268.0	8268.6	3742.3
70°	662.7	662.7	685.3	755.8	930.6	1263.4	3770.5	8310.9	8714.2	6384.7	3468.7
72.5°	654.3	648.6	643.0	645.8	628.9	634.5	1294.4	4692.7	5268.0	4467.1	2766.5
75°	637.3	637.3	631.7	612.0	502.0	408.9	445.6	1897.9	2194.0	2983.7	2053.0
77.5°	504.8	555.6	614.8	578.1	459.7	307.4	259.5	549.9	693.7	1830.3	1489.0
80°	234.1	236.9	234.1	245.4	293.3	220.0	191.8	267.9	270.7	1015.2	922.2
82.5°	169.2	172.0	163.6	146.6	129.7	118.4	157.9	197.4	211.5	465.3	344.1
85°	50.8	47.9	56.4	76.1	90.2	104.3	132.5	166.4	174.8	172.0	50.8
87.5°	22.6	22.6	28.2	39.5	53.6	79.0	115.6	152.3	155.1	177.7	14.1
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°	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
2.5°	70.5	67.7	64.9	62.0	59.2	56.4	53.6	53.6	56.4	56.4	56.4
5°	67.7	64.9	59.2	53.6	50.8	47.9	45.1	45.1	47.9	47.9	47.9
7.5°	67.7	62.0	56.4	50.8	45.1	42.3	39.5	39.5	39.5	42.3	42.3
10°	67.7	62.0	53.6	45.1	39.5	36.7	33.8	31.0	33.8	33.8	33.8
12.5°	64.9	59.2	50.8	42.3	33.8	28.2	25.4	25.4	25.4	25.4	25.4
15°	62.0	56.4	47.9	36.7	28.2	22.6	16.9	16.9	16.9	19.7	19.7
17.5°	59.2	53.6	42.3	28.2	19.7	14.1	11.3	11.3	11.3	14.1	14.1
20°	59.2	50.8	36.7	22.6	14.1	8.5	5.6	5.6	5.6	8.5	11.3
22.5°	59.2	50.8	33.8	16.9	8.5	5.6	2.8	2.8	2.8	2.8	2.8
25°	59.2	47.9	31.0	14.1	5.6	2.8	0.0	0.0	2.8	5.6	8.5
27.5°	59.2	45.1	25.4	8.5	5.6	2.8	0.0	2.8	5.6	5.6	5.6
30°	59.2	45.1	22.6	8.5	2.8	0.0	0.0	2.8	5.6	5.6	8.5
32.5°	62.0	42.3	19.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	64.9	39.5	16.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	70.5	39.5	11.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	79.0	42.3	11.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	98.7	45.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	138.2	56.4	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	203.0	84.6	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	296.1	115.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	363.8	115.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	361.0	73.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	276.4	50.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	234.1	36.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	282.0	28.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	502.0	25.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	806.6	25.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	902.4	25.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	705.0	22.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	386.4	19.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	194.6	14.1	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	81.8	11.3	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
82.5°	28.2	11.3	5.6	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0
85°	14.1	8.5	8.5	5.6	5.6	2.8	2.8	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	2.8
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

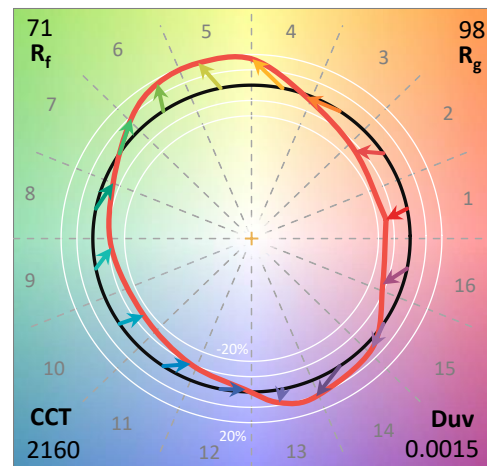
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

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

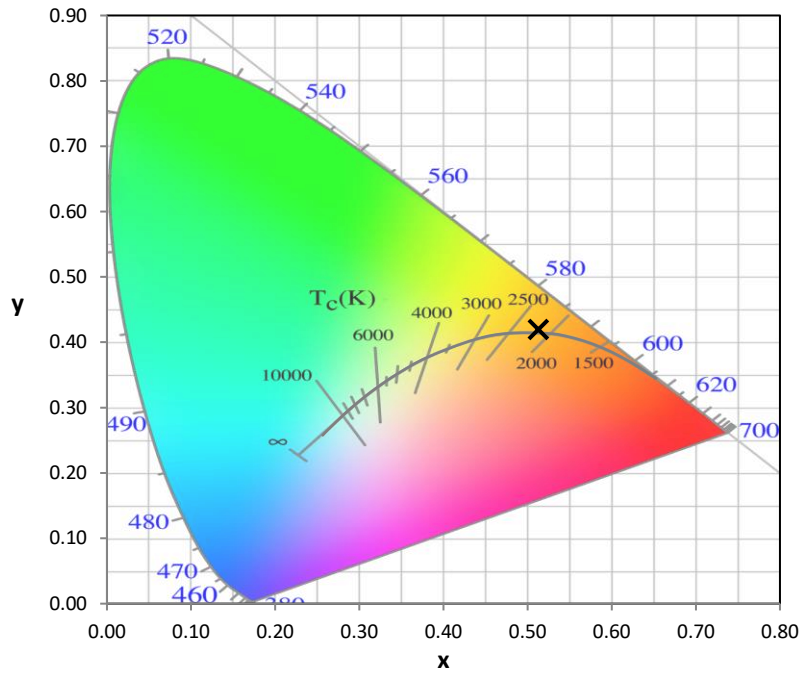
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

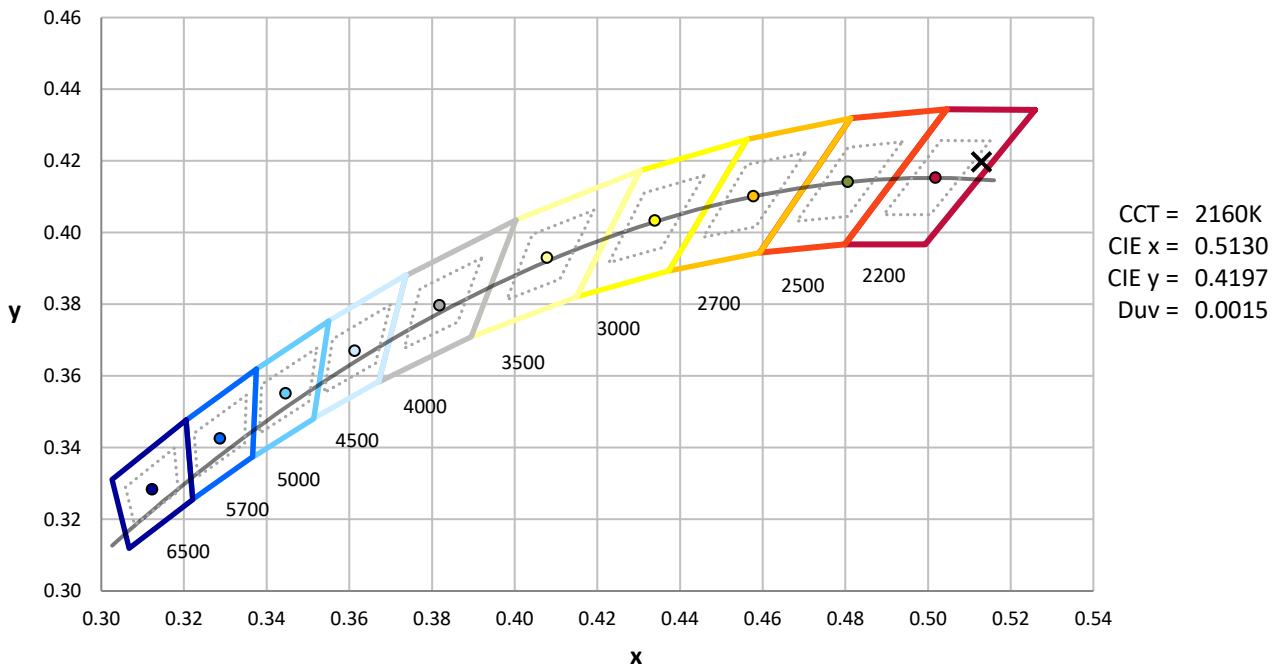
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



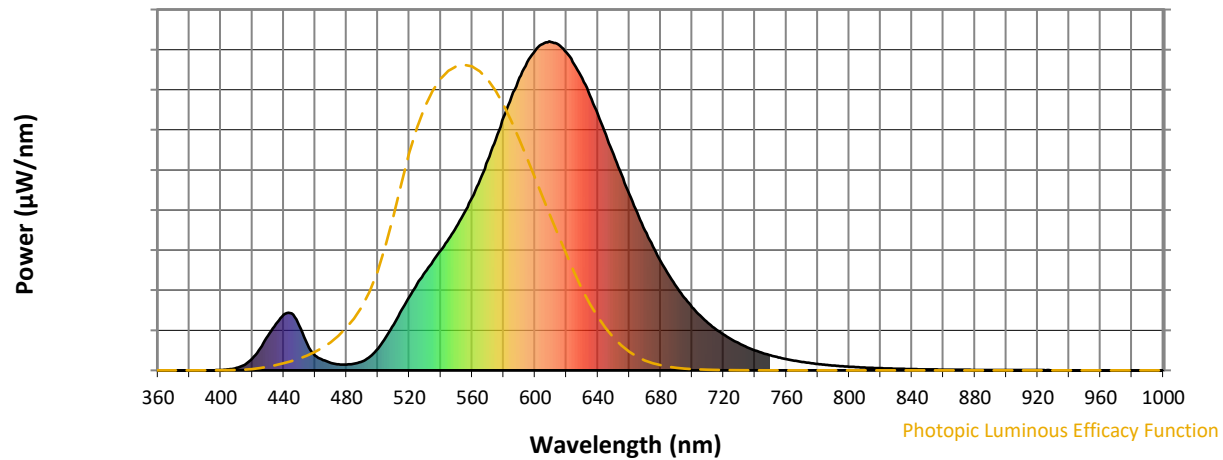
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

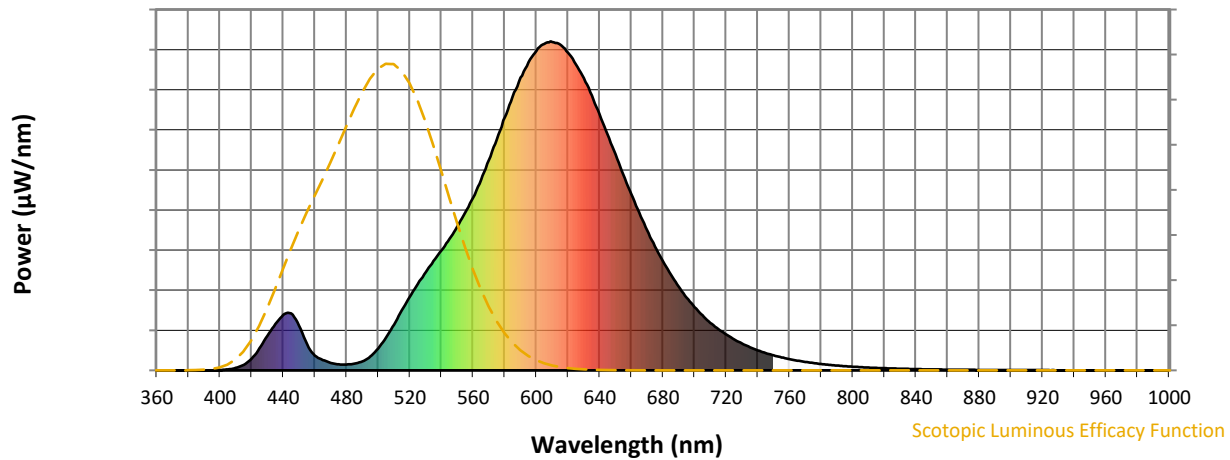


Photopic Lumens: NR

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



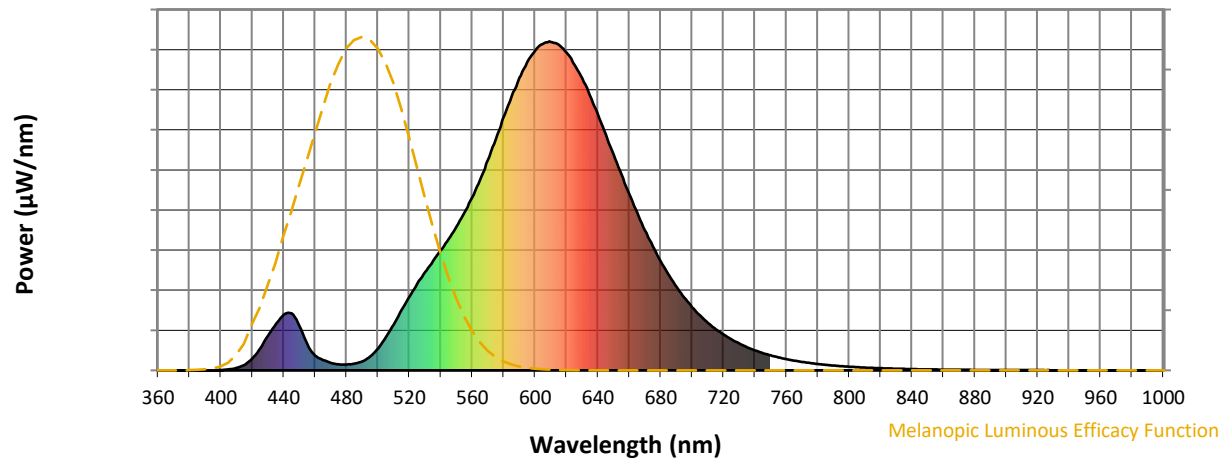
Scotopic Lumens: NR

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

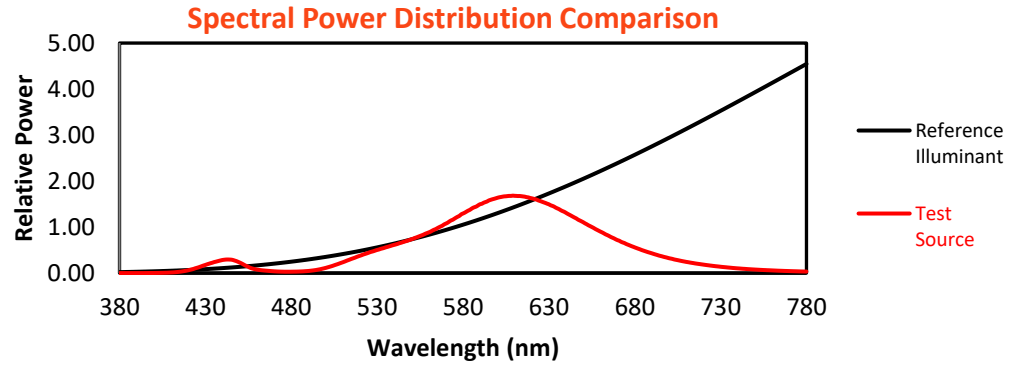
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27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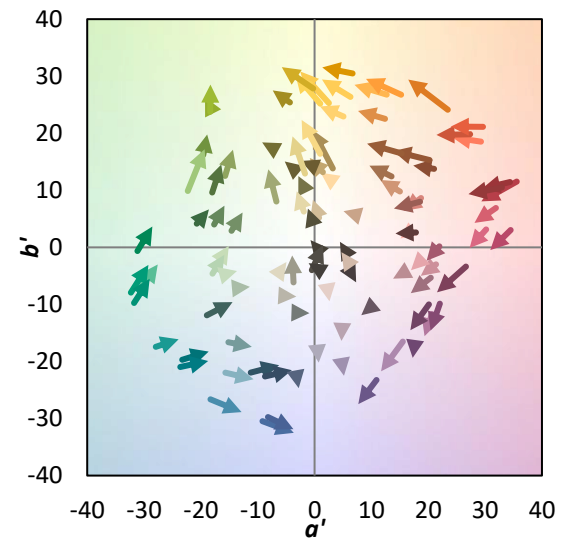
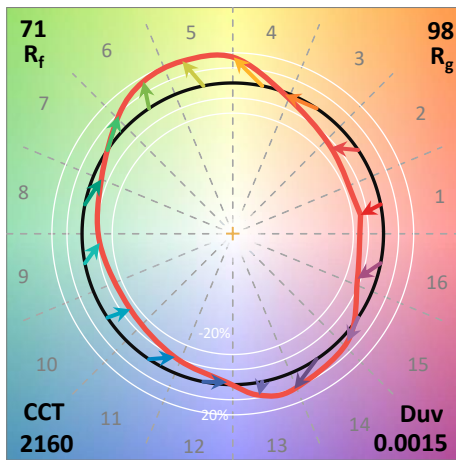
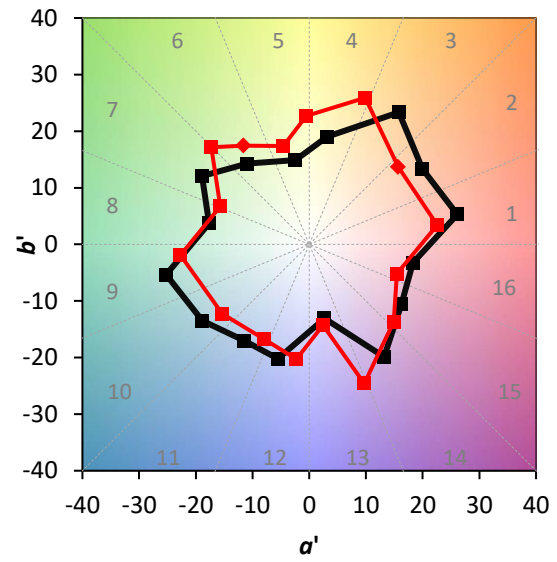
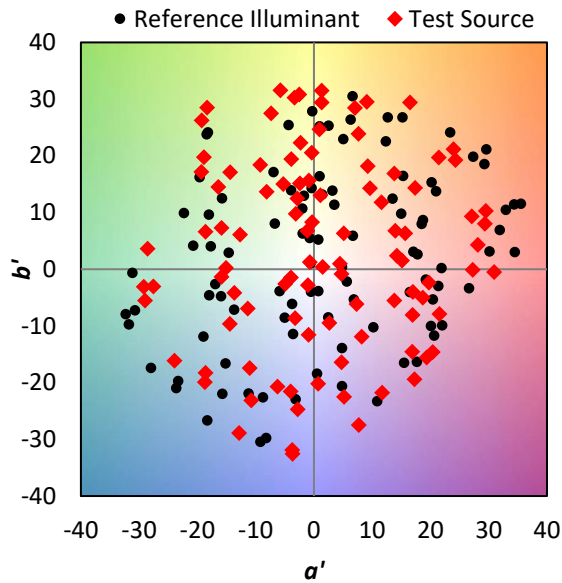
TM-30-18

Summary

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

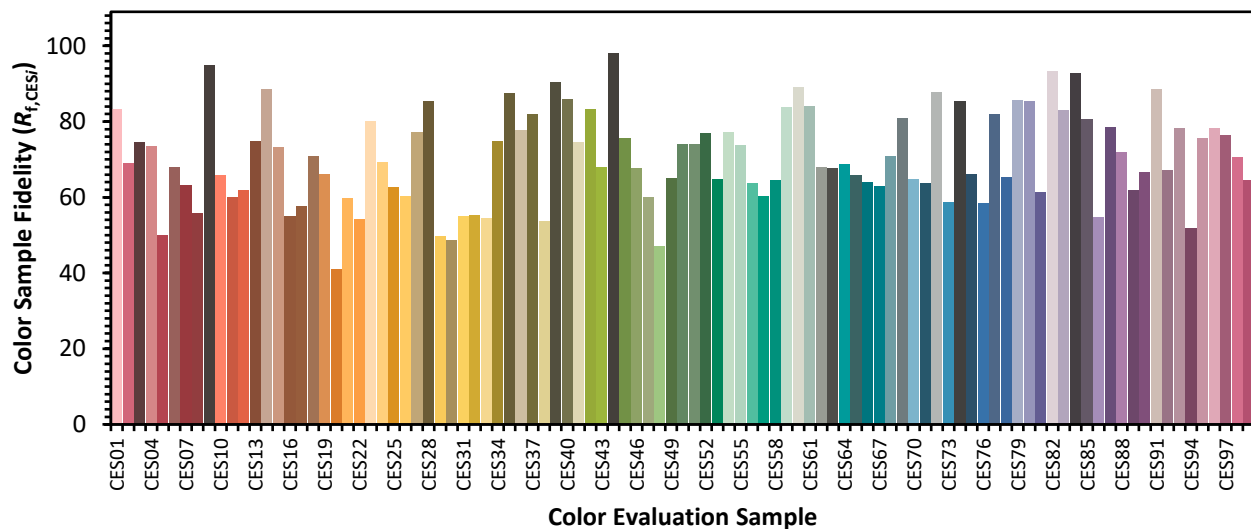


Color Vector Graphics

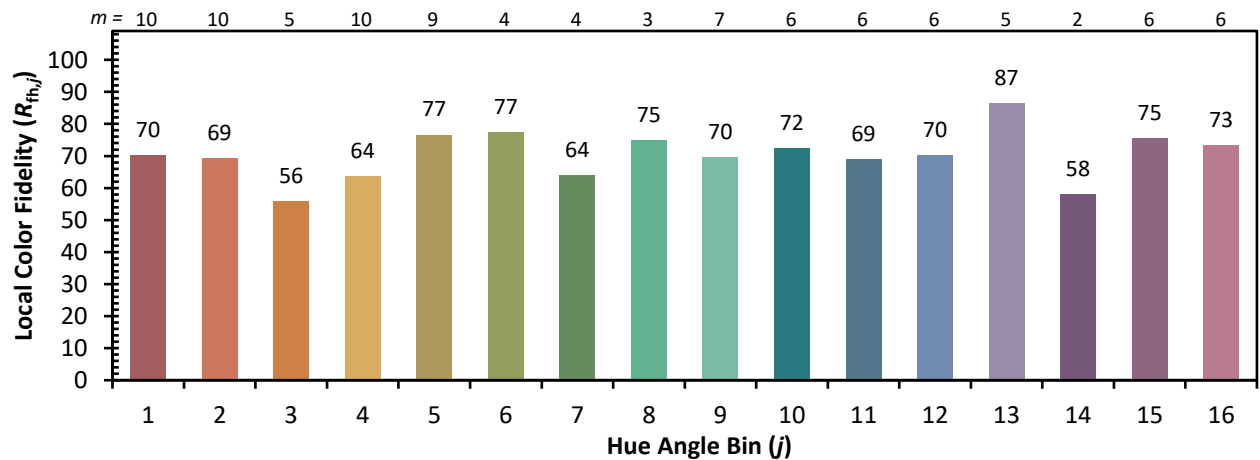
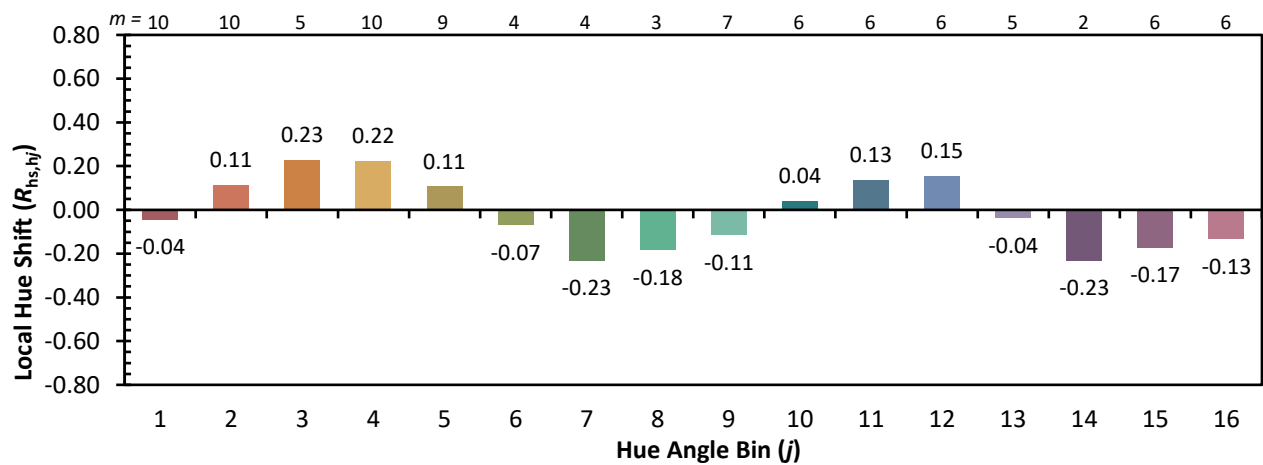
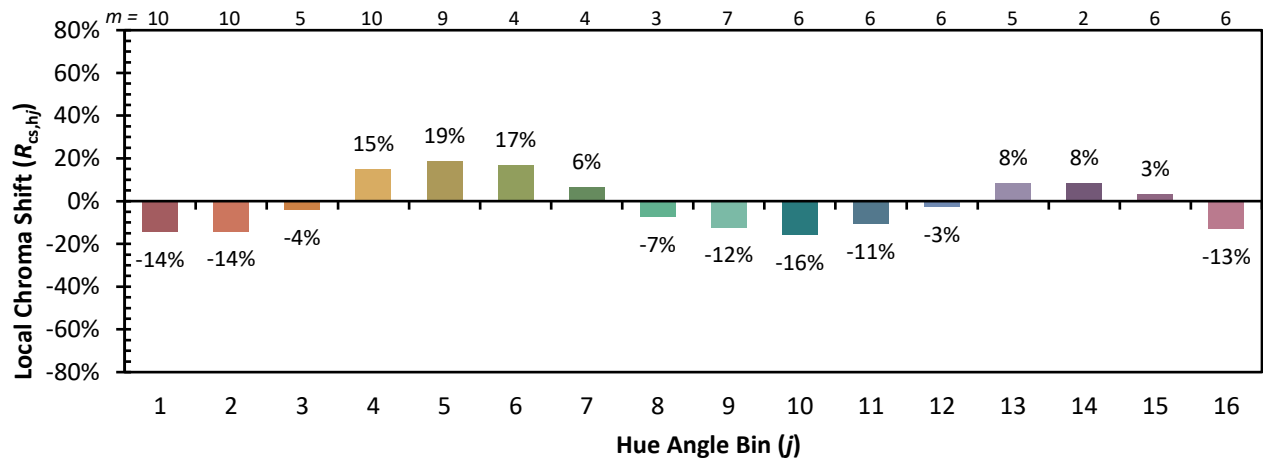


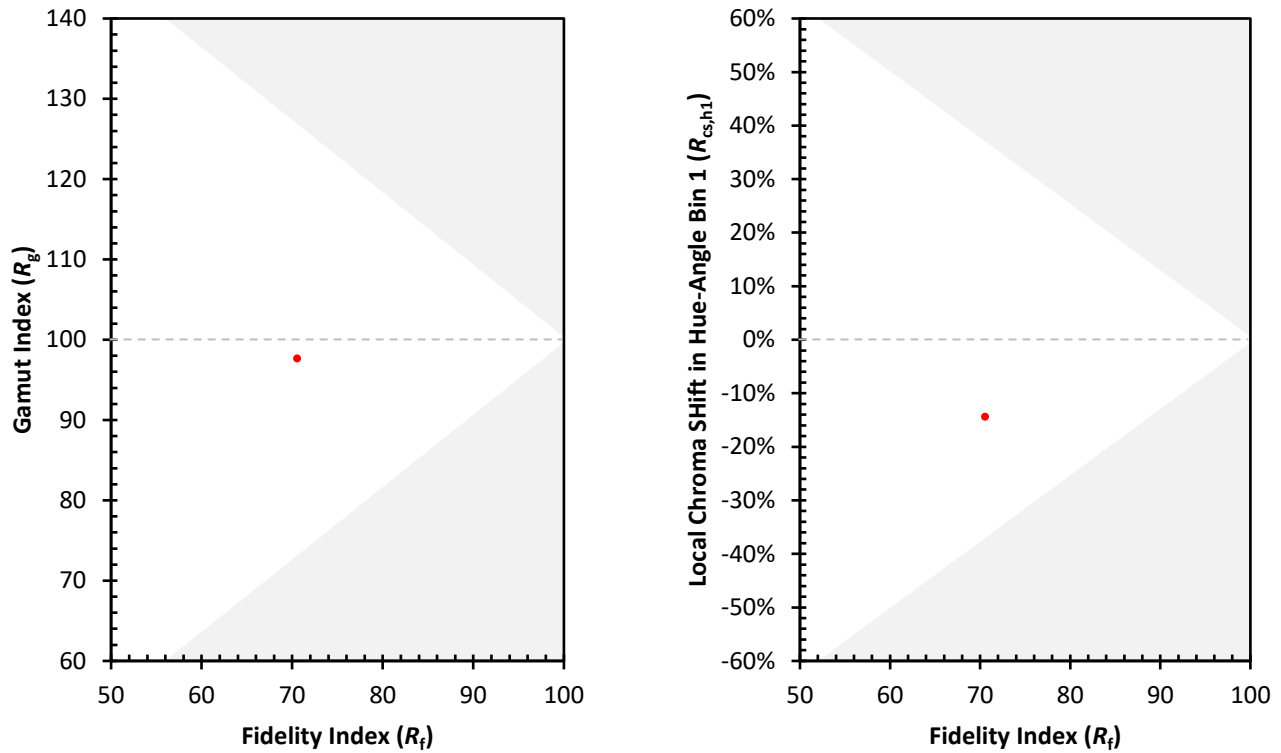
Individual Sample Fidelity Index ($R_{f,i}$)

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)