

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: LUMARK

Report Number: P1067273

Luminaire Tested: **NAV-SA2A-750-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067273
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2A-750-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (28) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7093 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.3
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



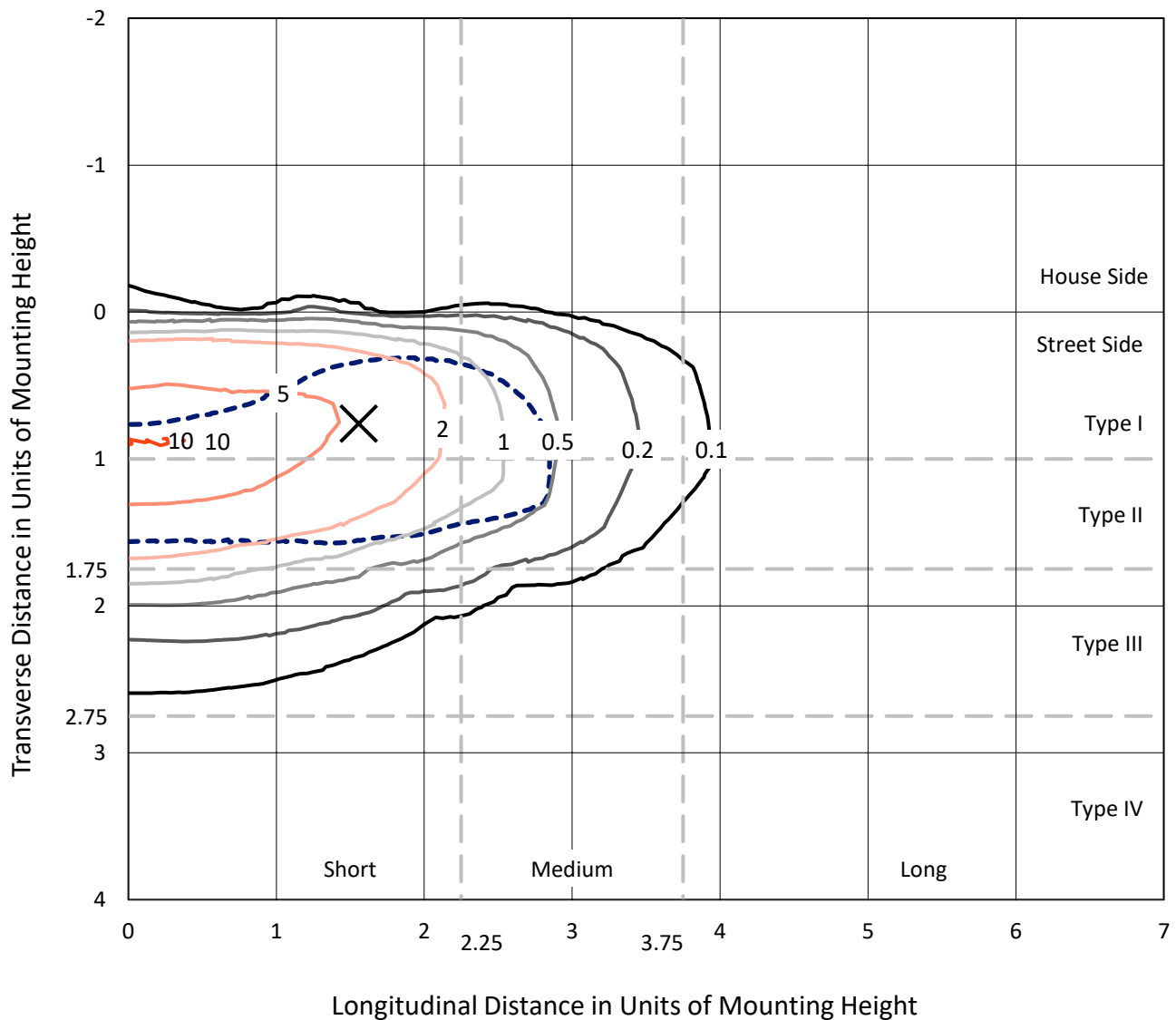
REPORT NUMBER: P1067273

CATALOG NUMBER: NAV-SA2A-750-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

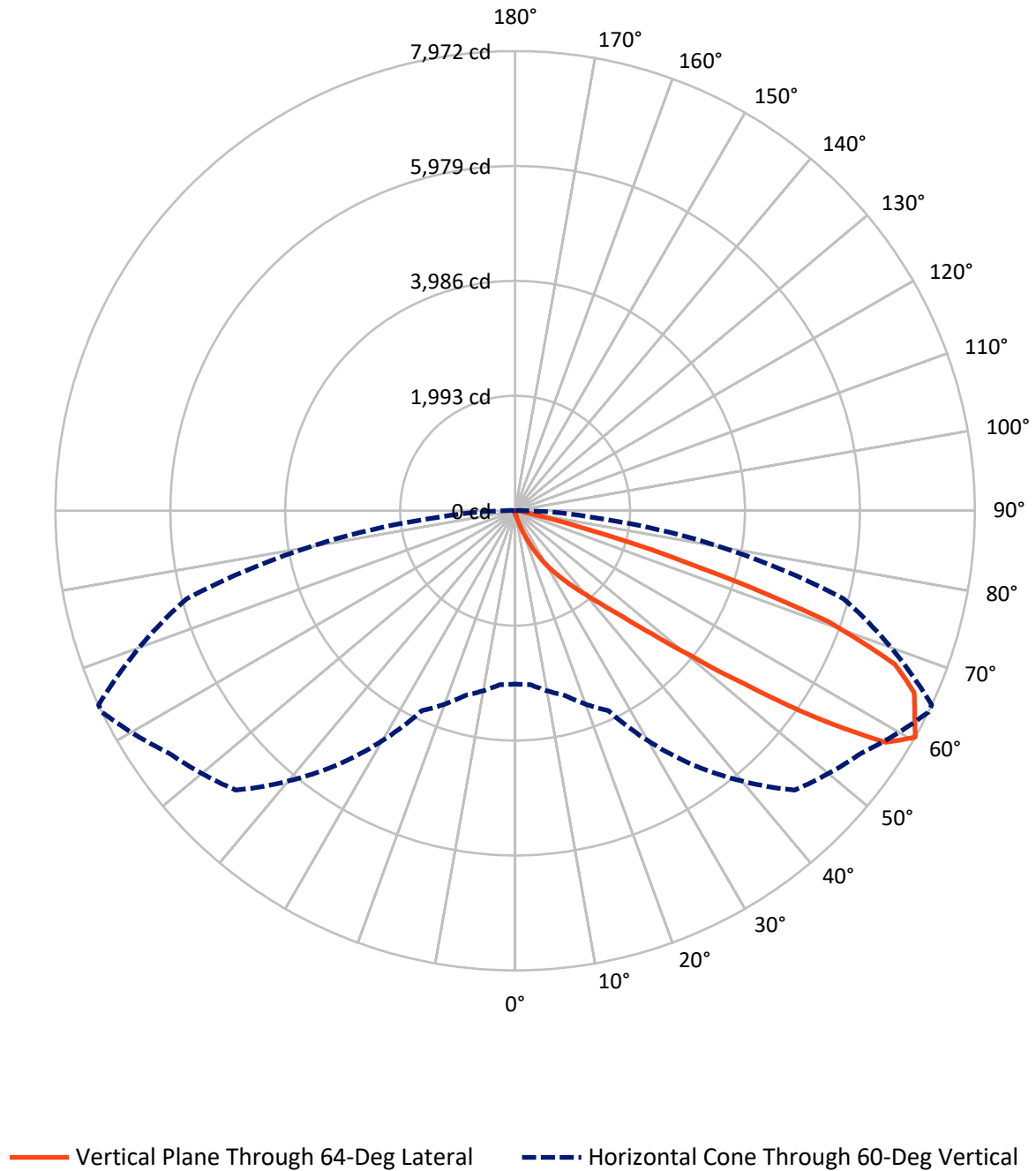


Based on 15 foot mounting height. Maximum calculated value = 10.2 fc
Type II - Short - N/A

REPORT NUMBER: P1067273

CATALOG NUMBER: NAV-SA2A-750-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067273

CATALOG NUMBER: NAV-SA2A-750-U-T2BC

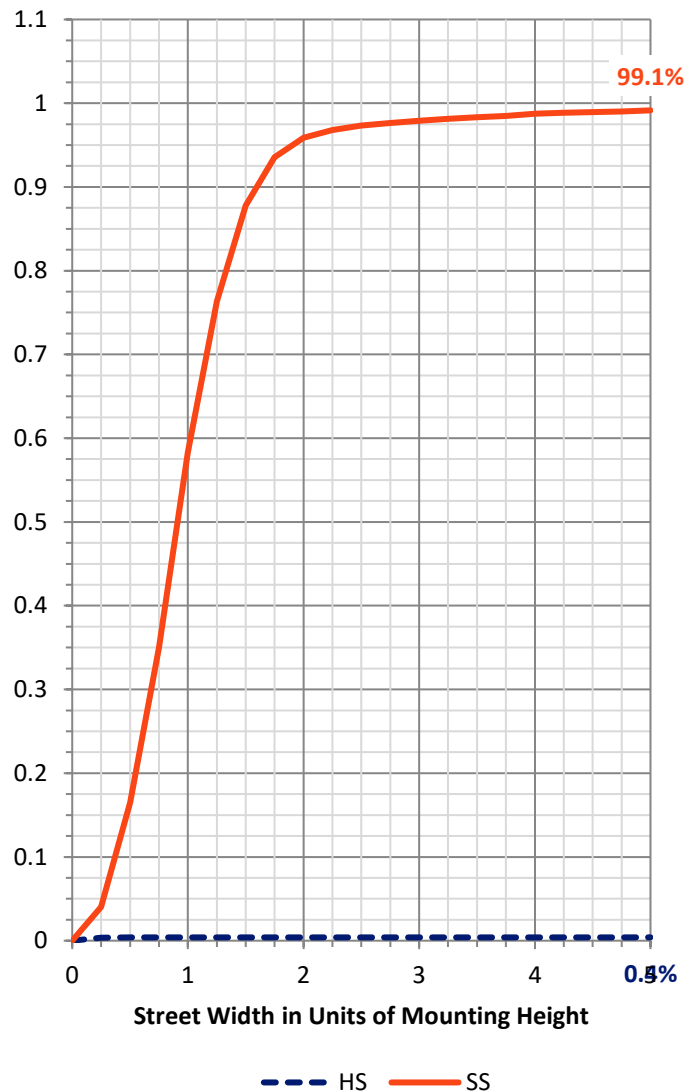
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28.8	0.0	28.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	7064.2	0.0	7064.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	7093.0	0.0	7093.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	69.7	1.0
20°-30°	231.5	3.3
30°-40°	617.7	8.7
40°-50°	1570.1	22.1
50°-60°	2288.8	32.3
60°-70°	1767.9	24.9
70°-80°	485.5	6.8
80°-90°	54.8	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°	7093.0	100.0
0°-180°	7093.0	100.0



REPORT NUMBER: P1067273

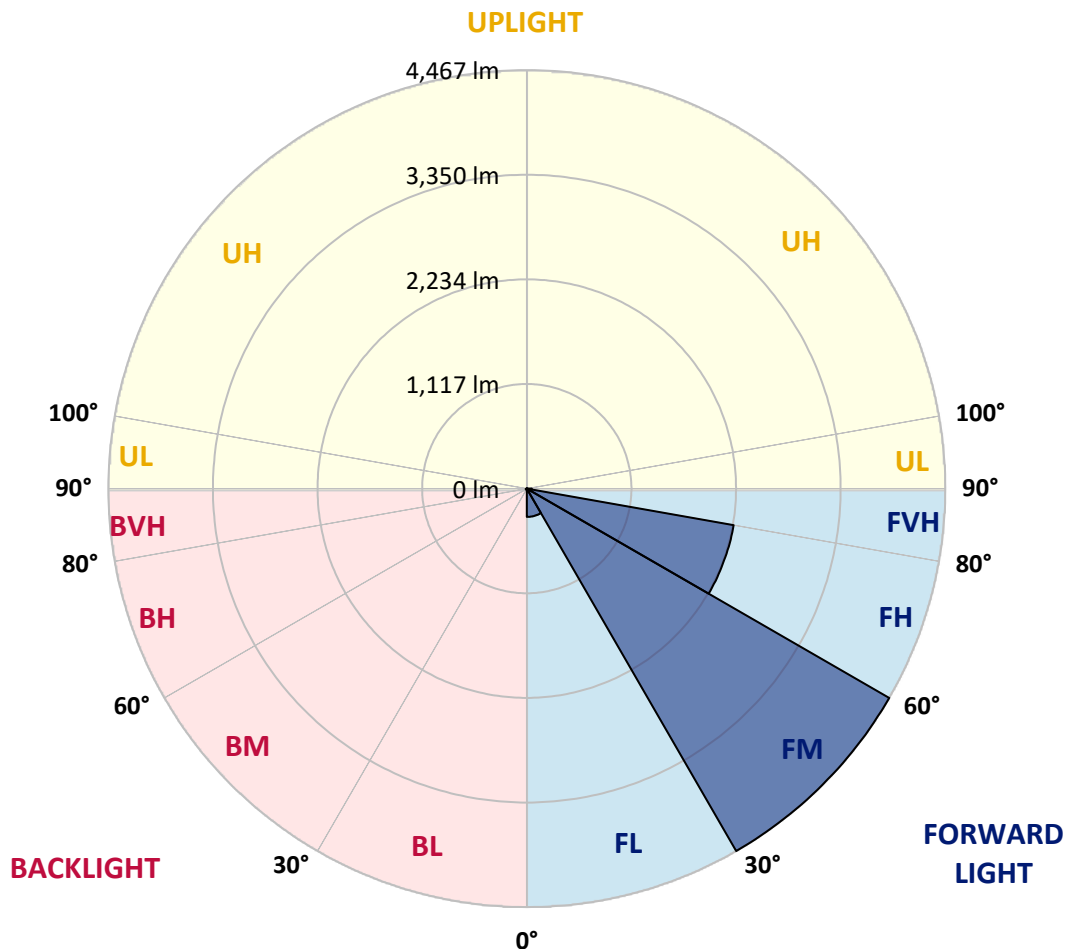
CATALOG NUMBER: NAV-SA2A-750-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.8	4.3			
FM	(30°-60°)	4467.0	63.0			
FH	(60°-80°)	2241.9	31.6			G2/5000
FVH	(80°-90°)	53.5	0.8			G1/100
BL	(0°-30°)	6.5	0.1	B0/110		
BM	(30°-60°)	9.5	0.1	B0/220		
BH	(60°-80°)	11.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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



REPORT NUMBER: P1067273

CATALOG NUMBER: NAV-SA2A-750-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
2.5°	62.5	62.5	62.5	60.5	58.6	58.6	56.6	54.7	54.7	50.8	48.8
5°	95.7	95.7	91.8	87.9	82.0	74.2	66.4	60.5	60.5	54.7	50.8
7.5°	187.4	193.3	175.7	154.2	125.0	105.4	84.0	70.3	68.3	58.6	50.8
10°	406.1	402.2	374.9	322.2	253.8	183.5	117.1	85.9	82.0	62.5	50.8
12.5°	611.1	617.0	587.7	529.1	447.1	326.1	201.1	111.3	107.4	68.3	50.8
15°	786.8	786.8	767.3	738.0	648.2	521.3	324.1	166.0	152.3	74.2	48.8
17.5°	907.9	905.9	898.1	890.3	837.6	706.8	495.9	265.5	234.3	87.9	48.8
20°	1044.6	1038.7	1048.5	1032.8	991.8	888.4	677.5	394.4	365.1	111.3	48.8
22.5°	1187.1	1192.9	1200.8	1185.1	1140.2	1050.4	868.8	560.4	529.1	154.2	50.8
25°	1368.7	1364.8	1382.3	1368.7	1312.0	1206.6	1048.5	741.9	697.0	214.8	54.7
27.5°	1591.2	1583.4	1595.2	1560.0	1485.8	1378.4	1208.6	927.4	874.7	308.5	62.5
30°	1886.1	1891.9	1839.2	1798.2	1692.8	1550.2	1386.2	1126.6	1071.9	419.8	70.3
32.5°	2350.7	2309.7	2227.7	2061.8	1923.2	1741.6	1563.9	1300.3	1251.5	562.3	82.0
35°	3075.1	3082.9	2903.3	2493.3	2192.6	1981.7	1759.2	1491.7	1456.5	724.4	97.6
37.5°	3957.6	3936.1	3778.0	3260.6	2587.0	2280.5	1981.7	1700.6	1649.8	900.1	117.1
40°	4957.3	4867.5	4775.7	4424.2	3409.0	2655.3	2262.9	1942.7	1903.6	1103.1	148.4
42.5°	5757.8	5734.3	5750.0	5603.5	4779.6	3293.8	2635.8	2239.5	2192.6	1355.0	203.1
45°	6152.2	6119.0	6212.7	6322.0	6111.2	4652.7	3237.2	2618.2	2555.8	1651.8	287.0
47.5°	6046.7	6023.3	6224.4	6439.2	6720.3	6228.3	4219.2	3184.4	3077.1	2032.5	412.0
50°	5527.4	5529.3	5859.3	6259.6	6704.7	7026.9	5673.8	3959.6	3824.8	2538.2	607.2
52.5°	5021.7	5037.3	5386.8	5970.6	6472.4	7120.6	6950.7	5004.1	4785.5	3133.7	837.6
55°	4502.3	4510.2	4818.6	5640.6	6363.0	6841.4	7606.7	6349.4	6117.0	3875.6	1062.1
57.5°	4002.5	4002.5	4117.7	4847.9	6243.9	6816.0	7528.6	7579.4	7390.0	4723.0	1228.1
60°	3006.8	3026.3	3313.3	3824.8	5384.9	6853.1	7329.5	7971.8	7971.8	5898.3	1355.0
62.5°	1519.0	1548.3	1905.6	2403.5	3694.0	6341.6	7360.7	7774.7	7805.9	6935.1	1644.0
65°	712.6	745.8	937.2	1288.6	1987.6	4463.3	7036.6	7606.7	7597.0	6737.9	2253.1
67.5°	511.5	521.3	585.7	751.7	1069.9	1956.4	5371.2	7105.0	7108.9	5724.6	2590.9
70°	458.8	458.8	474.4	523.3	644.3	874.7	2610.4	5753.9	6033.1	4420.3	2401.5
72.5°	453.0	449.1	445.2	447.1	435.4	439.3	896.2	3248.9	3647.2	3092.7	1915.4
75°	441.3	441.3	437.3	423.7	347.5	283.1	308.5	1314.0	1519.0	2065.7	1421.4
77.5°	349.5	384.6	425.6	400.3	318.2	212.8	179.6	380.7	480.3	1267.1	1030.9
80°	162.1	164.0	162.1	169.9	203.1	152.3	132.8	185.5	187.4	702.9	638.5
82.5°	117.1	119.1	113.2	101.5	89.8	82.0	109.3	136.7	146.4	322.2	238.2
85°	35.1	33.2	39.0	52.7	62.5	72.2	91.8	115.2	121.1	119.1	35.1
87.5°	15.6	15.6	19.5	27.3	37.1	54.7	80.1	105.4	107.4	123.0	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067273

CATALOG NUMBER: NAV-SA2A-750-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
2.5°	48.8	46.9	44.9	43.0	41.0	39.0	37.1	37.1	39.0	39.0	39.0
5°	46.9	44.9	41.0	37.1	35.1	33.2	31.2	31.2	33.2	33.2	33.2
7.5°	46.9	43.0	39.0	35.1	31.2	29.3	27.3	27.3	27.3	29.3	29.3
10°	46.9	43.0	37.1	31.2	27.3	25.4	23.4	21.5	23.4	23.4	23.4
12.5°	44.9	41.0	35.1	29.3	23.4	19.5	17.6	17.6	17.6	17.6	17.6
15°	43.0	39.0	33.2	25.4	19.5	15.6	11.7	11.7	11.7	13.7	13.7
17.5°	41.0	37.1	29.3	19.5	13.7	9.8	7.8	7.8	7.8	9.8	9.8
20°	41.0	35.1	25.4	15.6	9.8	5.9	3.9	3.9	3.9	5.9	7.8
22.5°	41.0	35.1	23.4	11.7	5.9	3.9	2.0	2.0	2.0	2.0	2.0
25°	41.0	33.2	21.5	9.8	3.9	2.0	0.0	0.0	2.0	3.9	5.9
27.5°	41.0	31.2	17.6	5.9	3.9	2.0	0.0	2.0	3.9	3.9	3.9
30°	41.0	31.2	15.6	5.9	2.0	0.0	0.0	2.0	3.9	3.9	5.9
32.5°	43.0	29.3	13.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	44.9	27.3	11.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	48.8	27.3	7.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	54.7	29.3	7.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	68.3	31.2	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	95.7	39.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	140.6	58.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	205.0	80.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	251.9	80.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	249.9	50.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	191.3	35.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	162.1	25.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	195.2	19.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	347.5	17.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	558.4	17.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	624.8	17.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	488.1	15.6	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	267.5	13.7	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	134.7	9.8	3.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	56.6	7.8	3.9	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.5	7.8	3.9	3.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0
85°	9.8	5.9	5.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0	0.0
87.5°	5.9	5.9	5.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0	2.0
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

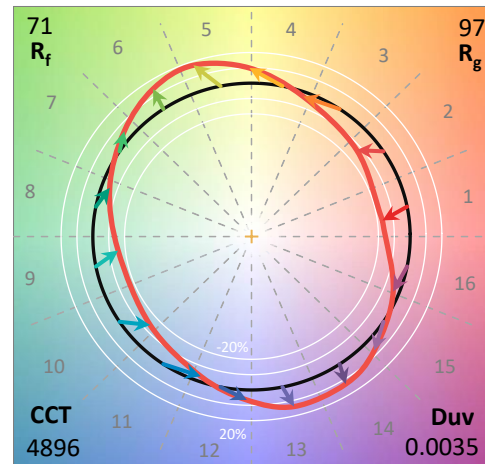
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

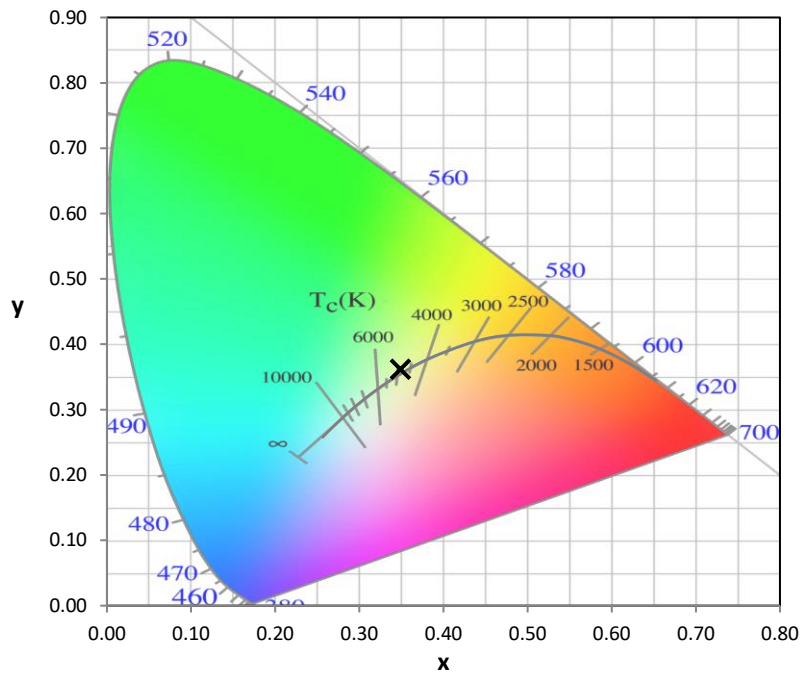
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

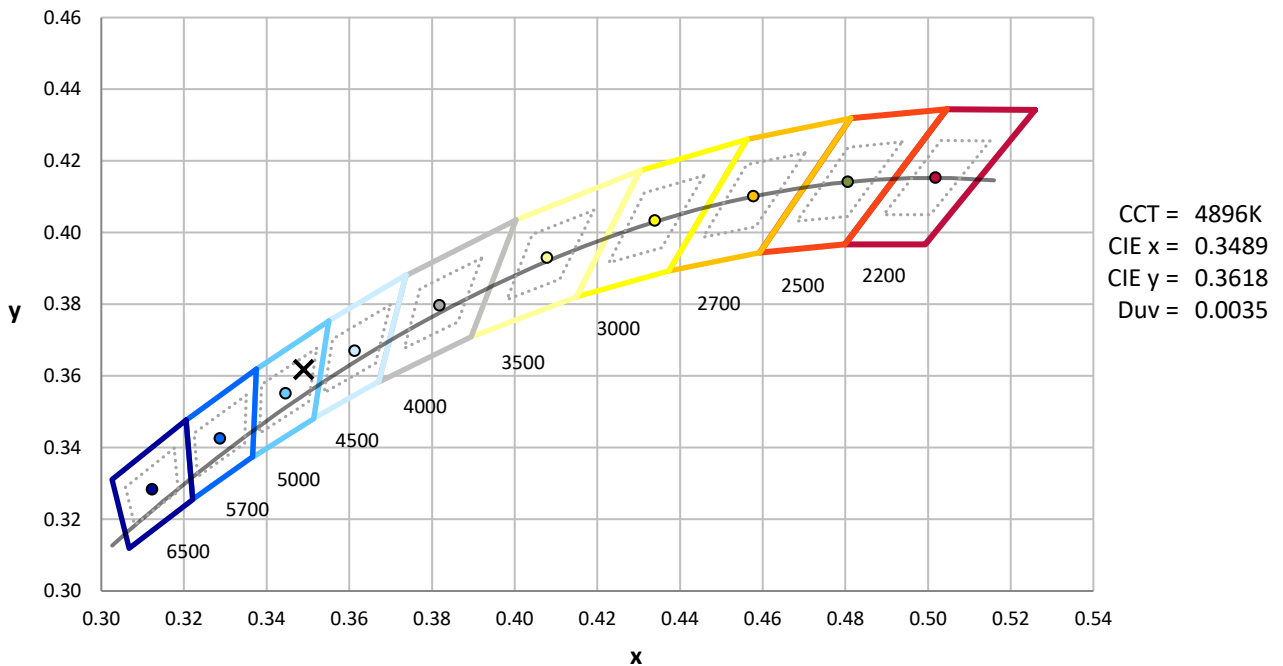
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram

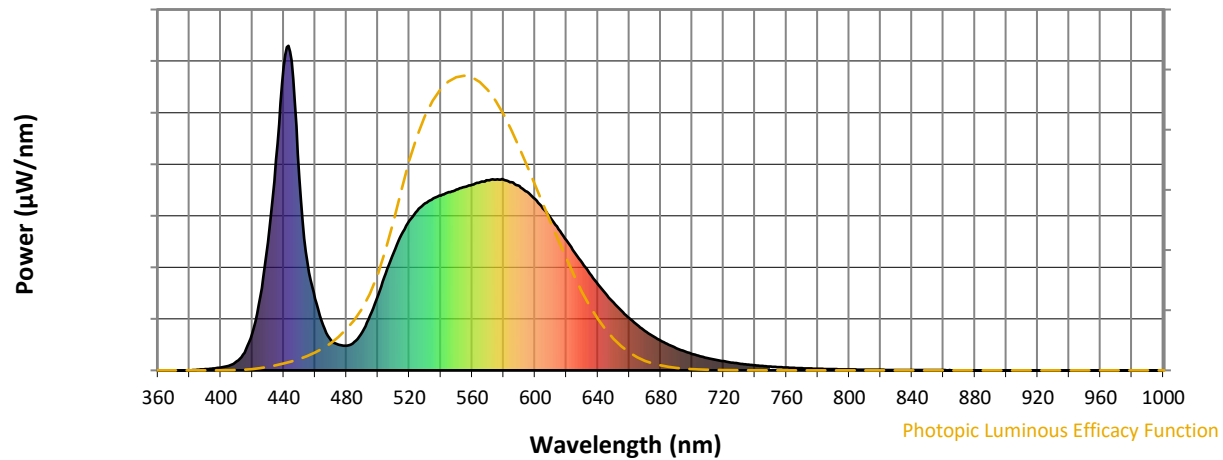


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

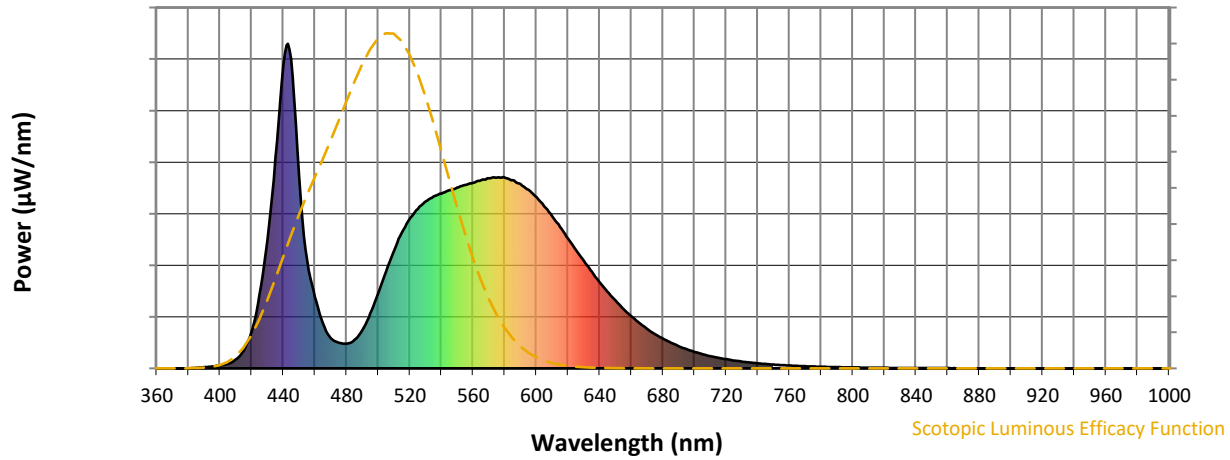


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



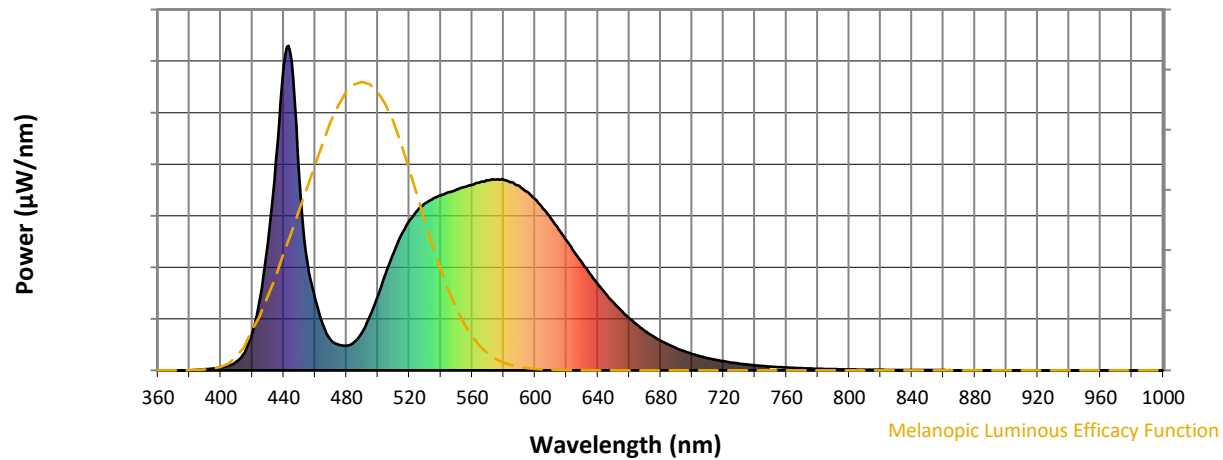
Scotopic Lumens: NR

S/P: 1.7

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

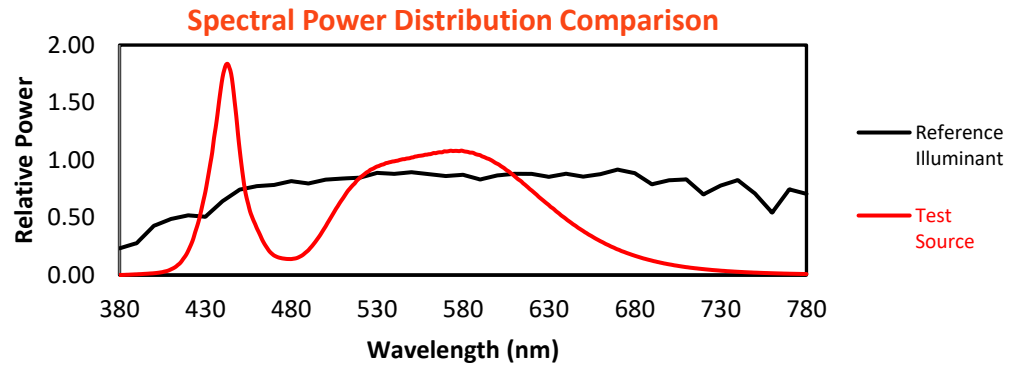
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

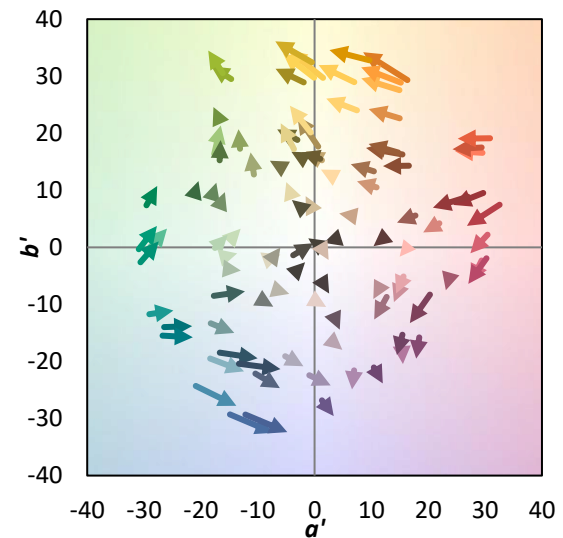
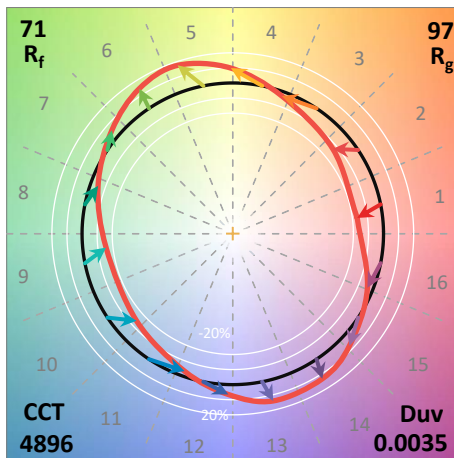
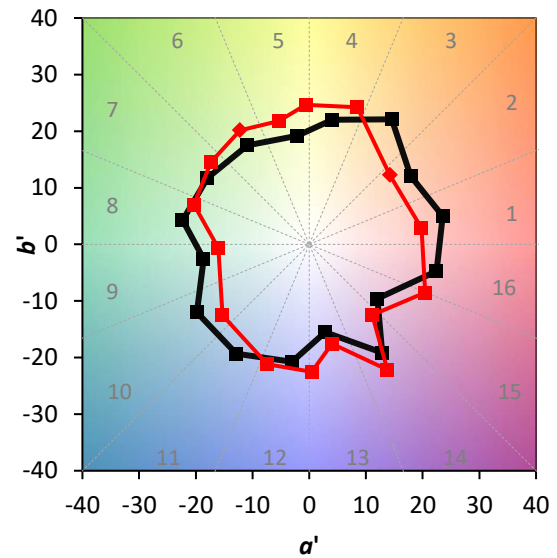
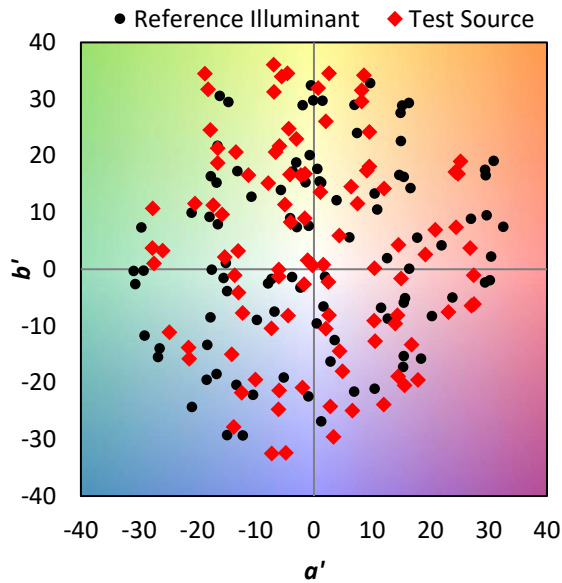
TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 $CIE R_a = 70.2$
 $R_g = -35.1$

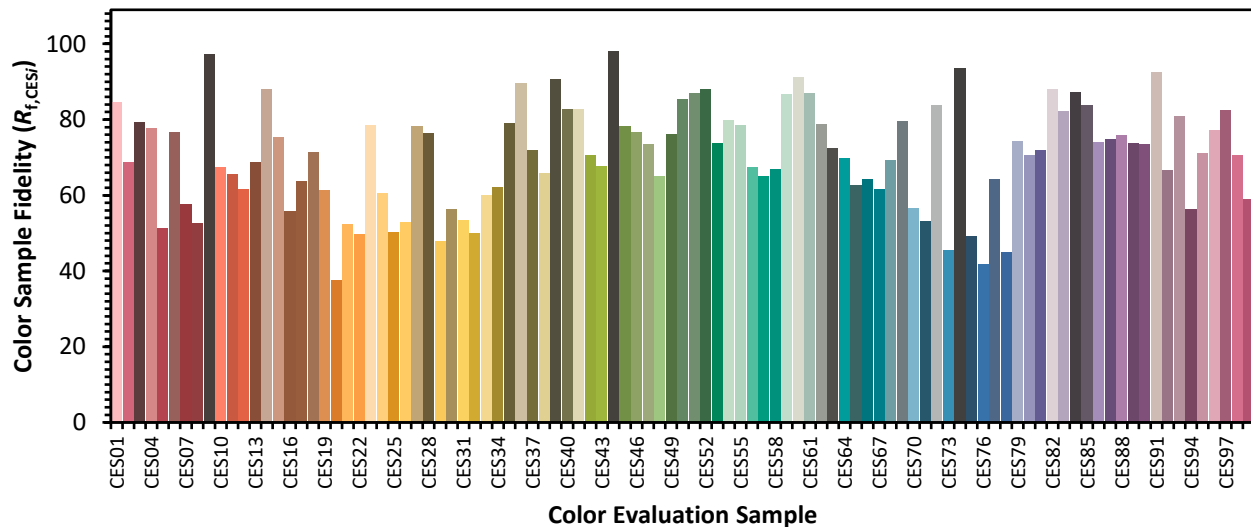


Color Vector Graphics

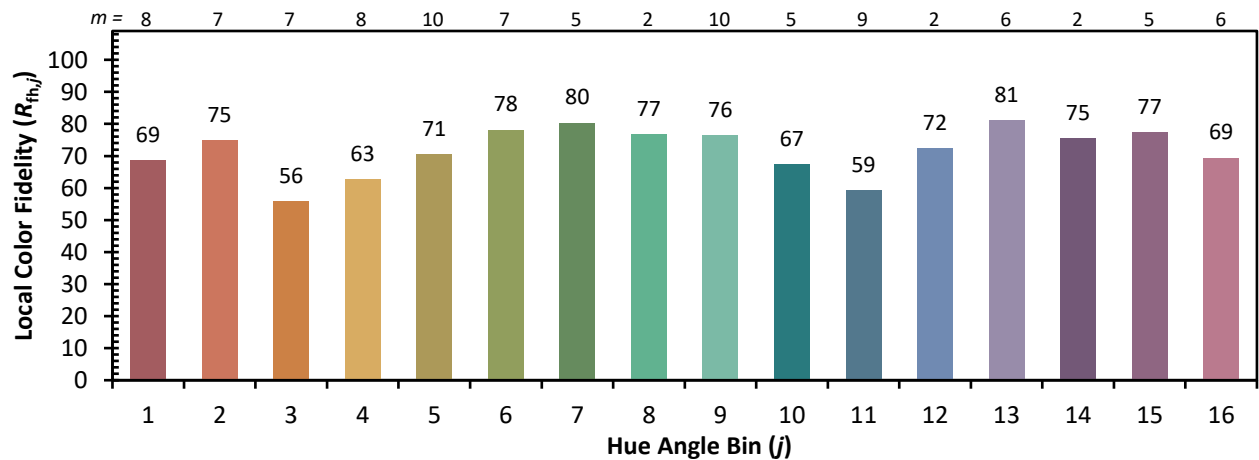
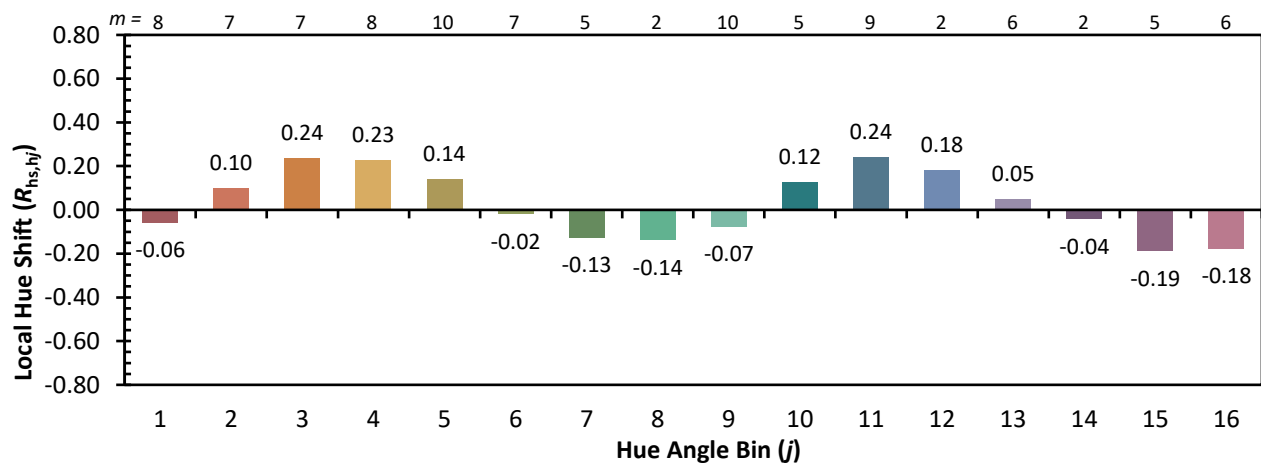
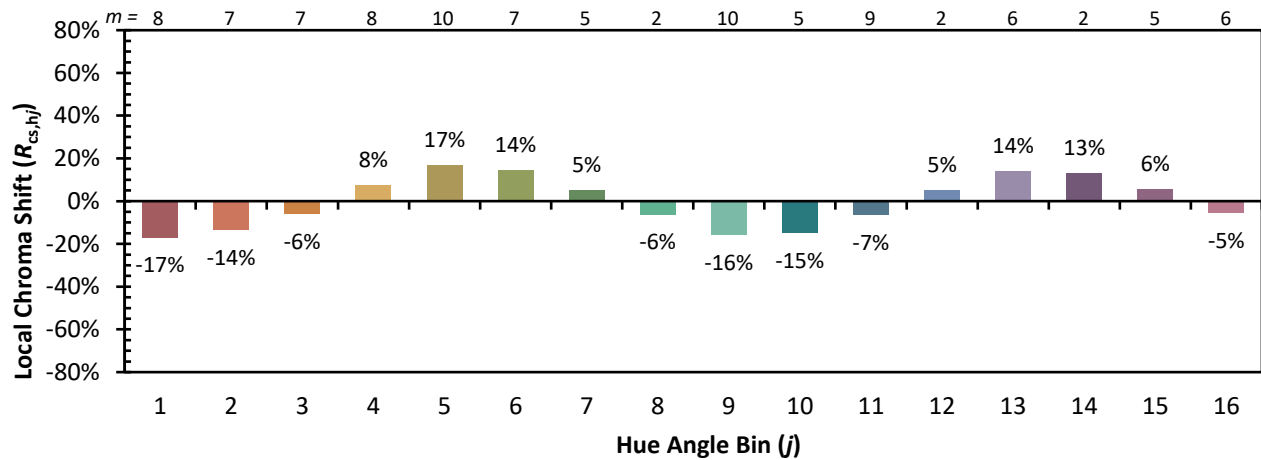


Individual Sample Fidelity Index ($R_{f,i}$)

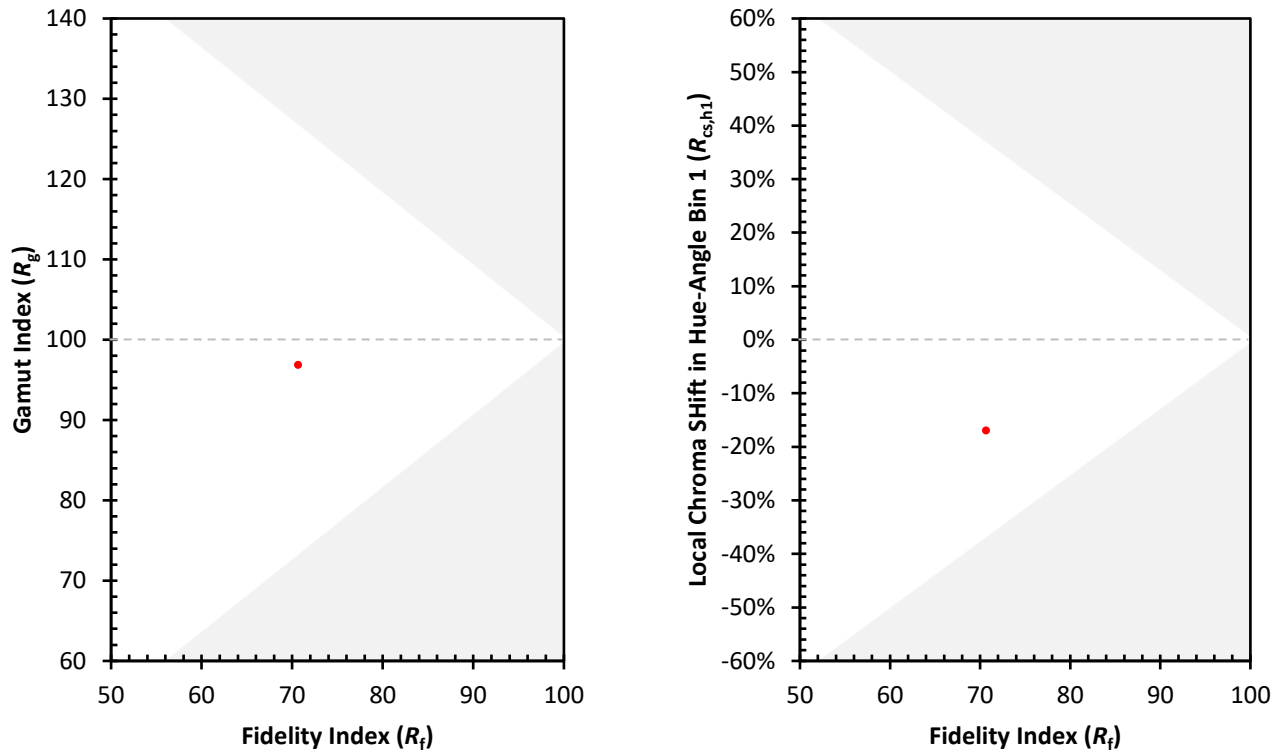
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)