

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: P1066321

Luminaire Tested: **NVN-SA4A-750-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066321
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4A-750-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14132.7 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

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

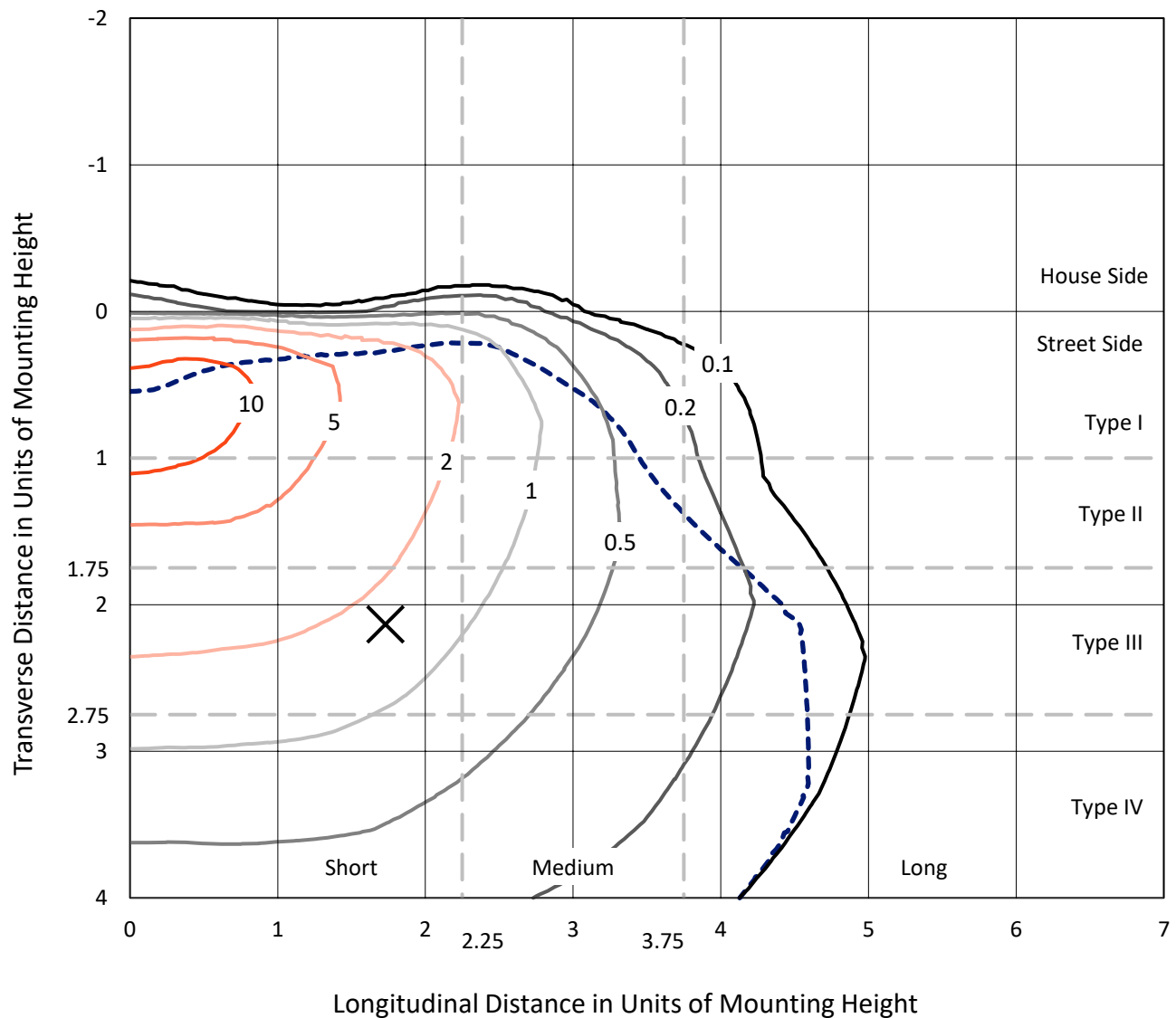


REPORT NUMBER: P1066321

CATALOG NUMBER: NVN-SA4A-750-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

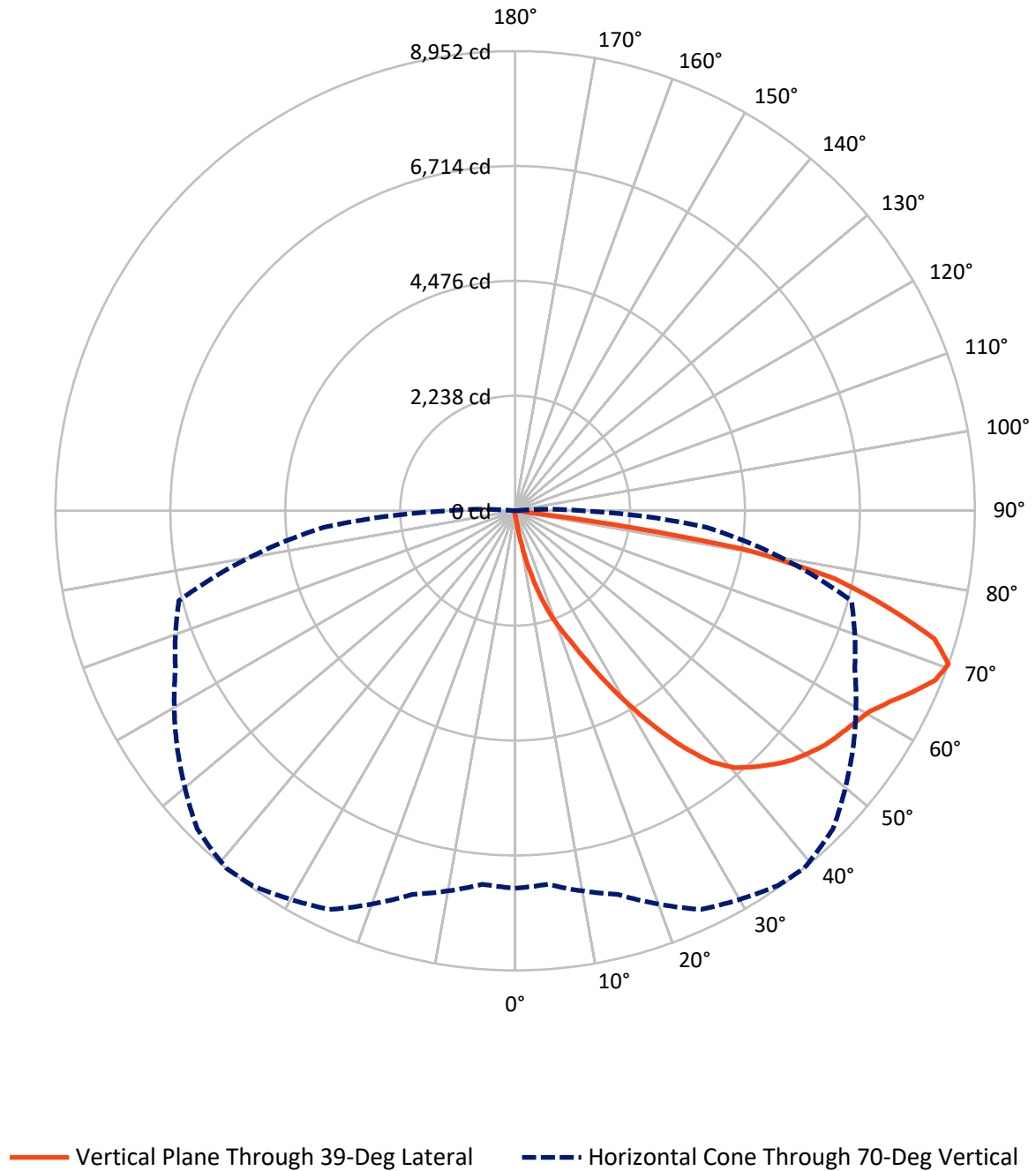


Based on 15 foot mounting height. Maximum calculated value = 15.4 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NVN-SA4A-750-U-T4BC

Luminous Intensity Polar Plot



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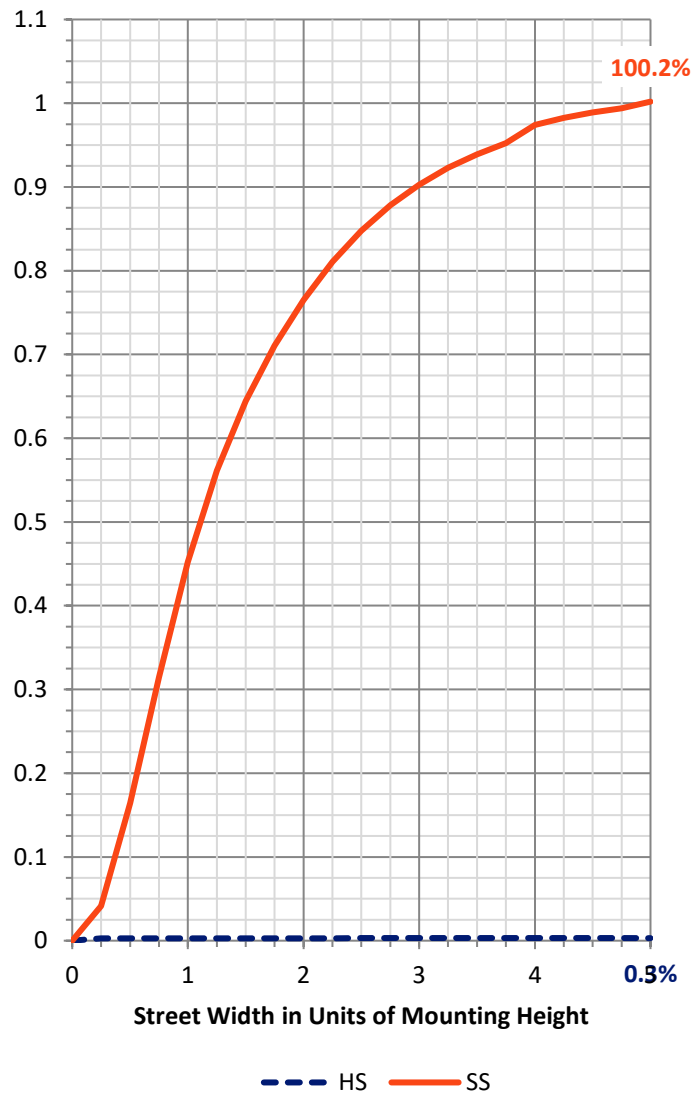
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	43.5	0.0	43.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	14089.2	0.0	14089.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	14132.7	0.0	14132.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.1
10°-20°	173.7	1.2
20°-30°	589.6	4.2
30°-40°	1385.7	9.8
40°-50°	2250.0	15.9
50°-60°	2851.2	20.2
60°-70°	3621.8	25.6
70°-80°	2942.7	20.8
80°-90°	303.0	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°	14132.7	100.0
0°-180°	14132.7	100.0



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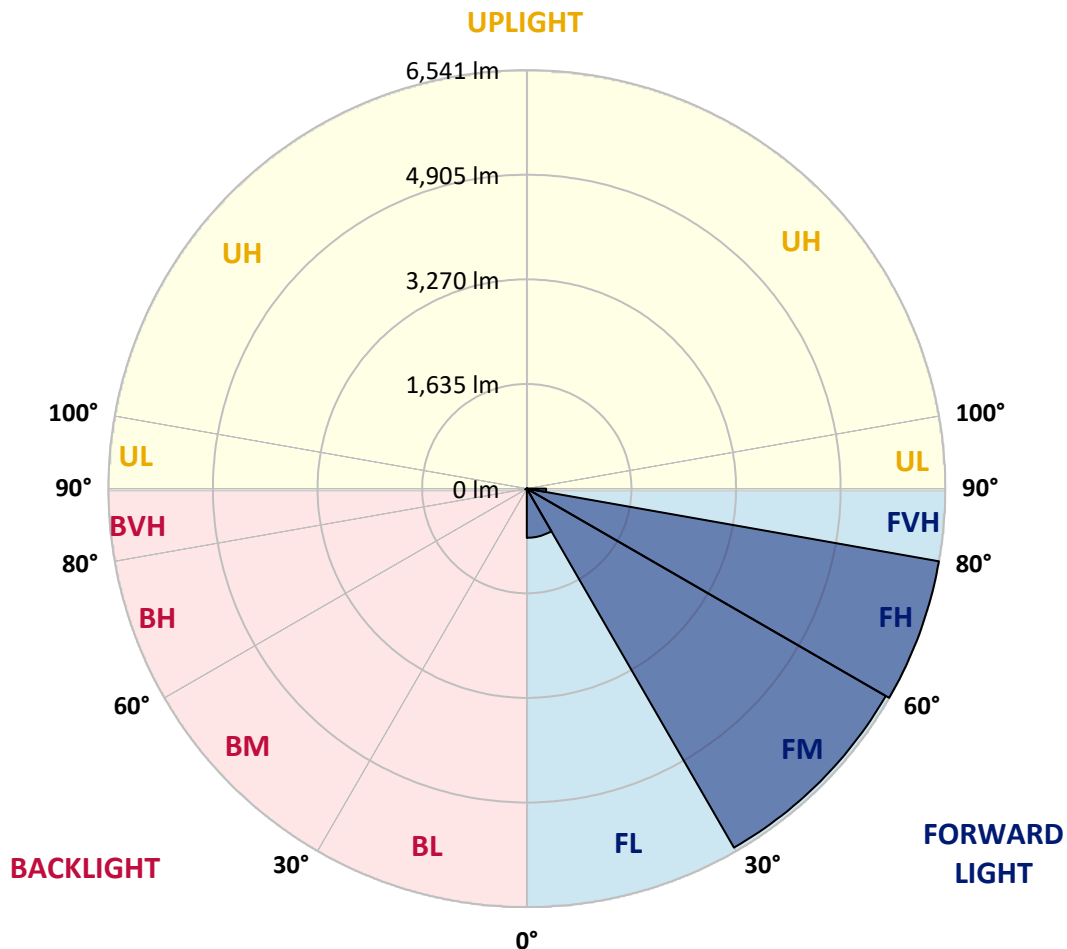
CATALOG NUMBER: NVN-SA4A-750-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	768.8	5.4			
FM	(30°-60°)	6478.6	45.8			
FH	(60°-80°)	6540.6	46.3			G3/7500
FVH	(80°-90°)	301.2	2.1			G3/500
BL	(0°-30°)	9.4	0.1	B0/110		
BM	(30°-60°)	8.4	0.1	B0/220		
BH	(60°-80°)	23.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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





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CATALOG NUMBER: NVN-SA4A-750-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
2.5°	99.8	99.8	99.8	95.9	95.9	92.1	92.1	88.3	84.4	84.4	80.6
5°	188.0	191.8	180.3	157.3	142.0	134.3	126.6	107.4	95.9	88.3	80.6
7.5°	514.2	498.8	475.8	399.0	307.0	260.9	222.5	157.3	115.1	92.1	80.6
10°	1082.0	1039.8	974.6	871.0	690.7	617.8	479.6	287.8	161.2	103.6	80.6
12.5°	1588.5	1596.2	1515.6	1415.8	1197.1	1074.4	886.3	541.0	253.2	122.8	80.6
15°	1972.2	1964.5	1933.8	1853.3	1657.6	1538.6	1369.8	909.4	425.9	153.5	84.4
17.5°	2275.3	2244.6	2233.1	2198.6	2072.0	2006.7	1822.6	1339.1	675.3	207.2	88.3
20°	2578.4	2570.8	2559.3	2520.9	2436.5	2390.4	2248.5	1772.7	1005.3	295.4	95.9
22.5°	3019.7	2977.5	2985.2	2900.8	2831.7	2751.1	2636.0	2233.1	1385.1	422.1	107.4
25°	3537.7	3533.9	3472.5	3434.1	3319.0	3230.7	3077.3	2678.2	1807.2	610.1	118.9
27.5°	4147.8	4105.6	4078.7	4013.5	3894.5	3794.8	3583.7	3119.5	2263.8	821.1	134.3
30°	4784.7	4784.7	4734.8	4635.1	4520.0	4397.2	4182.3	3583.7	2716.6	1089.7	153.5
32.5°	5529.1	5544.4	5421.7	5272.0	5122.4	5038.0	4757.9	4109.4	3150.2	1396.7	176.5
35°	6250.4	6231.3	6027.9	5862.9	5751.6	5659.5	5421.7	4685.0	3641.3	1753.5	207.2
37.5°	6941.1	6891.2	6553.6	6319.5	6269.6	6208.2	5970.3	5260.5	4128.6	2148.7	245.6
40°	7436.1	7359.3	7010.2	6687.9	6615.0	6580.4	6396.2	5782.3	4642.7	2590.0	295.4
42.5°	7650.9	7562.7	7321.0	7060.0	6898.9	6818.3	6657.2	6208.2	5156.9	3081.1	368.3
45°	7693.1	7624.1	7451.4	7390.0	7171.3	7048.5	6829.8	6511.4	5636.5	3568.4	468.1
47.5°	7539.7	7509.0	7405.4	7535.8	7424.6	7255.7	6991.0	6737.7	6062.4	4159.3	606.2
50°	7163.6	7140.6	7190.5	7532.0	7608.7	7416.9	7167.5	6914.2	6430.8	4769.4	801.9
52.5°	6657.2	6653.3	6887.4	7432.2	7689.3	7570.4	7340.1	7090.7	6722.4	5360.3	1078.2
55°	6104.6	6169.9	6580.4	7340.1	7735.3	7681.6	7509.0	7248.1	6983.3	5908.9	1523.3
57.5°	6058.6	6031.7	6426.9	7301.8	7762.2	7792.9	7677.8	7413.0	7205.8	6357.9	2118.0
60°	6519.0	6457.6	6607.3	7382.3	7881.2	7934.9	7846.6	7539.7	7428.4	6710.9	2900.8
62.5°	7052.4	6994.8	7071.6	7693.1	8115.2	8191.9	8080.7	7670.1	7608.7	6956.4	3741.1
65°	7478.3	7432.2	7578.0	8157.4	8441.4	8506.6	8429.8	7911.8	7689.3	7156.0	4424.0
67.5°	7547.3	7489.8	7792.9	8468.2	8771.3	8817.4	8756.0	8145.9	7662.4	7171.3	4581.4
70°	7351.7	7301.8	7735.3	8568.0	8913.3	8951.7	8756.0	8034.6	7297.9	6779.9	3744.9
72.5°	6749.2	6787.6	7347.8	8326.2	8717.6	8541.1	8126.7	7474.4	6826.0	5747.8	2628.3
75°	5813.0	5855.2	6599.6	7662.4	7693.1	7478.3	7255.7	6875.9	6108.5	3787.1	1822.6
77.5°	4132.4	3982.8	5095.5	6327.2	6215.9	6354.0	6373.2	5720.9	5114.7	1972.2	1220.2
80°	406.7	345.3	640.8	1814.9	4009.6	4481.6	4665.8	4408.7	3771.7	882.5	640.8
82.5°	88.3	88.3	95.9	103.6	161.2	241.7	1108.9	2716.6	2436.5	448.9	207.2
85°	49.9	49.9	61.4	72.9	95.9	107.4	126.6	168.8	656.1	161.2	38.4
87.5°	38.4	42.2	49.9	61.4	80.6	88.3	107.4	134.3	165.0	149.6	11.5
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-SA4A-750-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
2.5°	80.6	76.7	72.9	69.1	65.2	65.2	61.4	61.4	61.4	61.4	61.4
5°	76.7	72.9	69.1	61.4	57.6	53.7	49.9	49.9	49.9	49.9	49.9
7.5°	76.7	72.9	65.2	57.6	49.9	46.0	42.2	38.4	38.4	42.2	42.2
10°	76.7	69.1	57.6	49.9	42.2	38.4	34.5	30.7	30.7	30.7	30.7
12.5°	72.9	65.2	53.7	46.0	38.4	30.7	23.0	19.2	19.2	19.2	19.2
15°	69.1	61.4	49.9	38.4	26.9	19.2	15.3	11.5	11.5	11.5	11.5
17.5°	69.1	57.6	46.0	34.5	19.2	11.5	7.7	3.8	3.8	3.8	7.7
20°	69.1	57.6	42.2	26.9	11.5	7.7	7.7	3.8	0.0	3.8	3.8
22.5°	69.1	53.7	34.5	19.2	11.5	7.7	3.8	0.0	0.0	0.0	0.0
25°	72.9	53.7	30.7	15.3	7.7	3.8	0.0	0.0	0.0	0.0	0.0
27.5°	72.9	49.9	26.9	11.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0
30°	76.7	49.9	23.0	7.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	76.7	46.0	15.3	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	76.7	42.2	11.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	76.7	38.4	11.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	80.6	34.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	84.4	30.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	88.3	26.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	99.8	26.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	115.1	26.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	138.1	26.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	180.3	23.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	260.9	23.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	437.4	23.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	767.4	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1296.9	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1692.1	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1285.4	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	613.9	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	272.4	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	118.9	11.5	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	46.0	7.7	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
82.5°	19.2	7.7	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
85°	11.5	7.7	7.7	7.7	3.8	3.8	3.8	0.0	0.0	0.0	0.0
87.5°	7.7	7.7	7.7	7.7	7.7	3.8	3.8	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: SP1-2407-184-6

Test Date: 10/10/2024

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

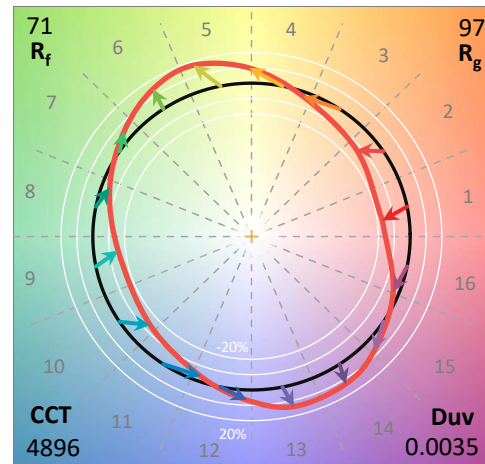
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

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

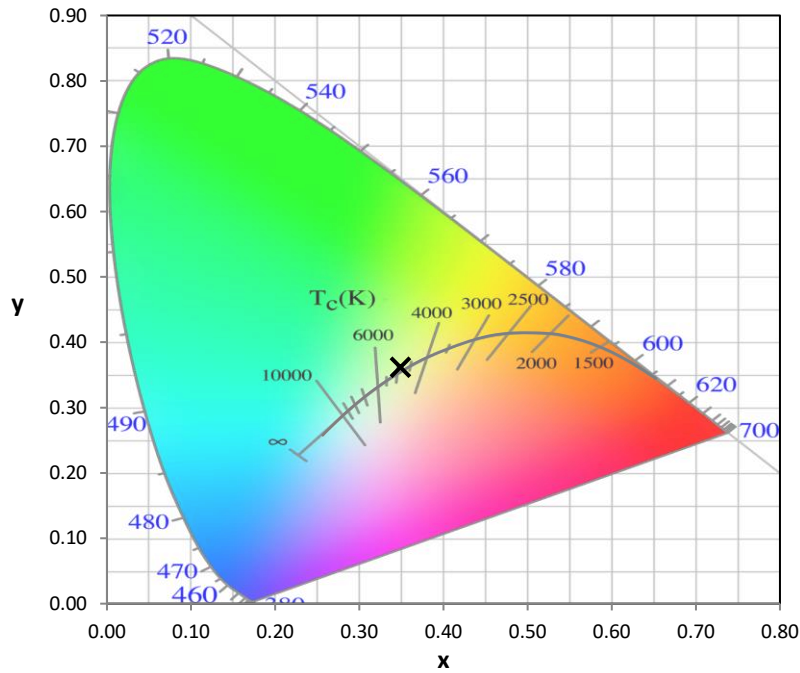
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

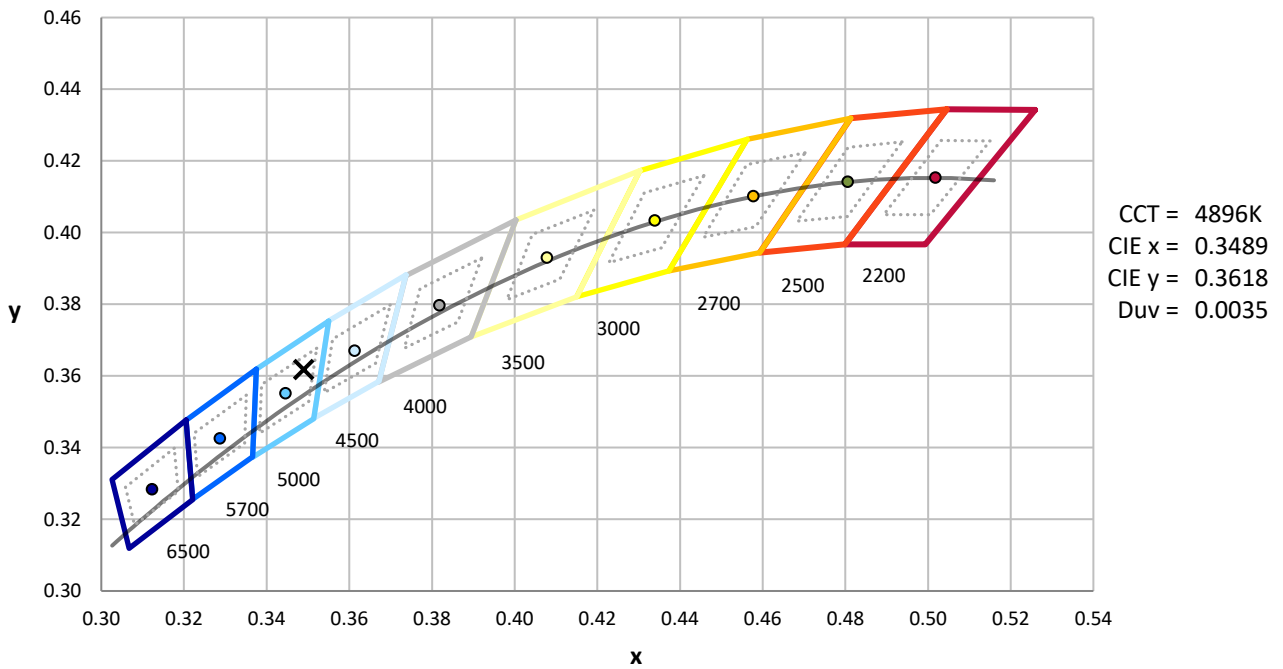
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



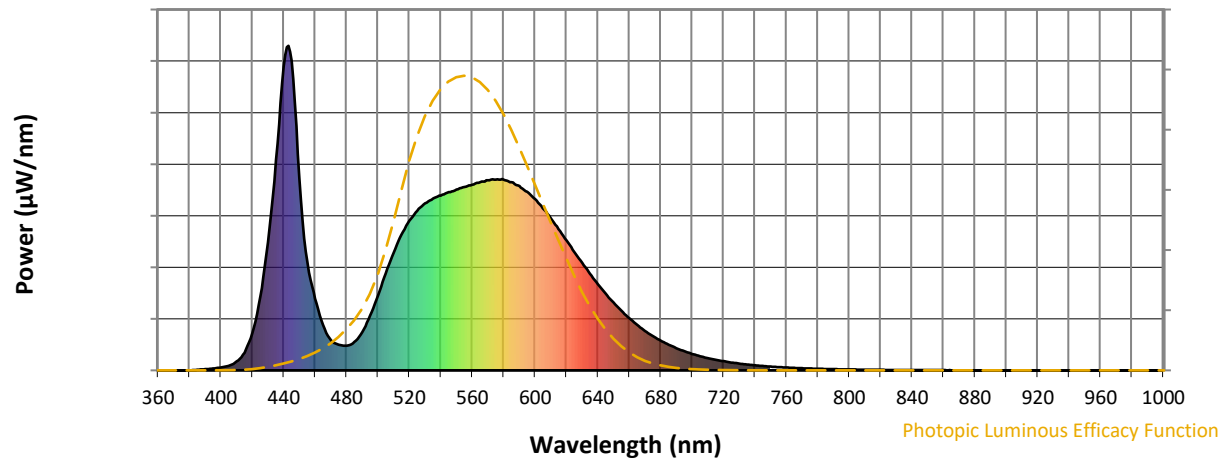
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

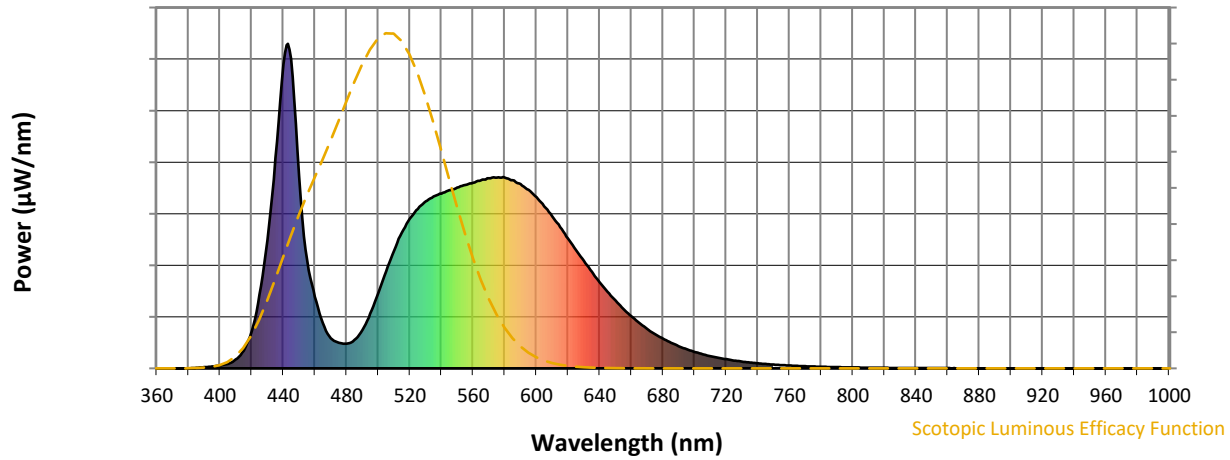


Photopic Lumens: NR

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	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			

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Scotopic Flux vs. Wavelength



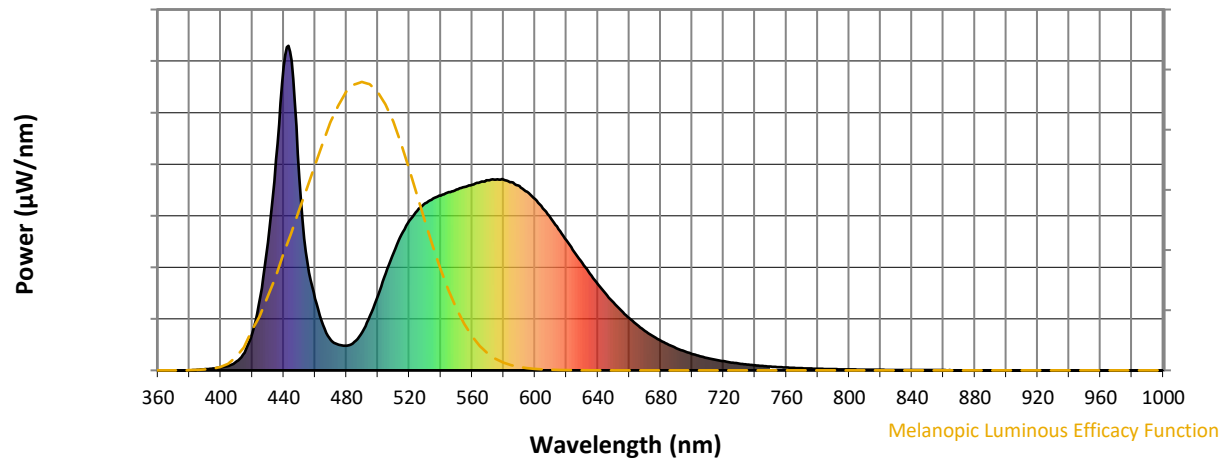
Scotopic Lumens: NR

S/P: 1.7

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	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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

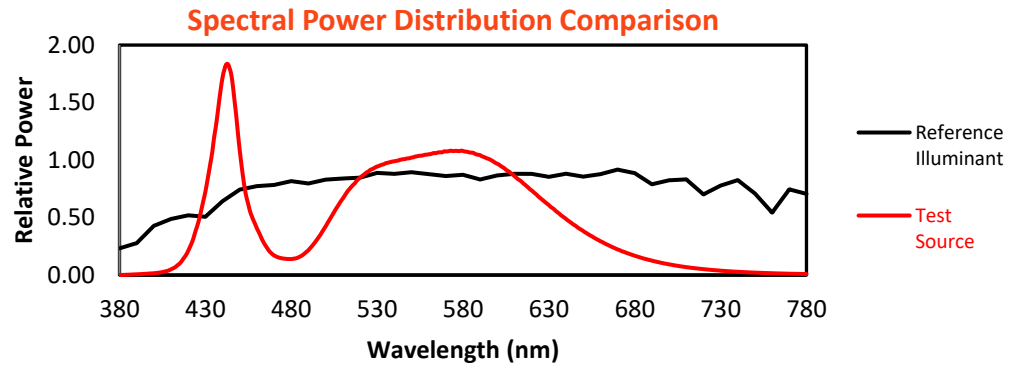
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	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			

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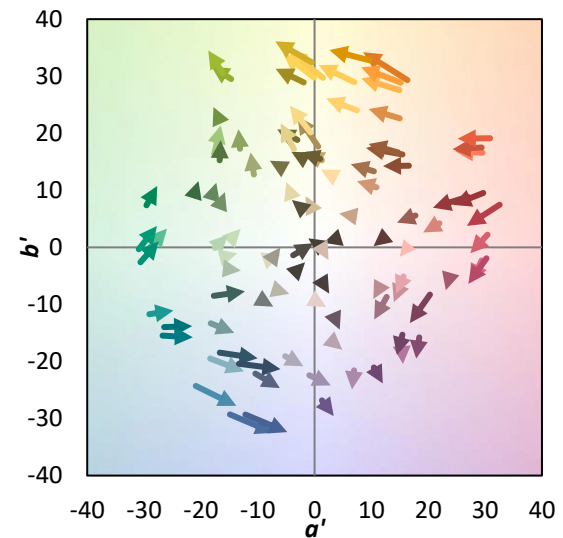
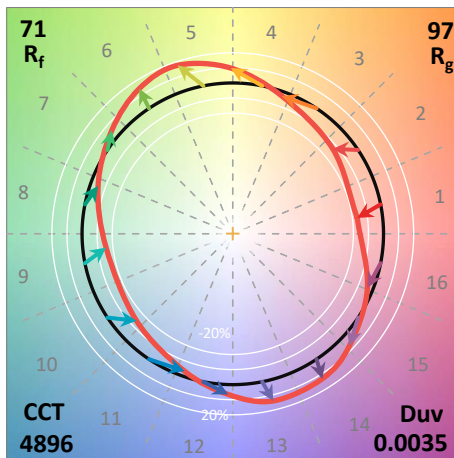
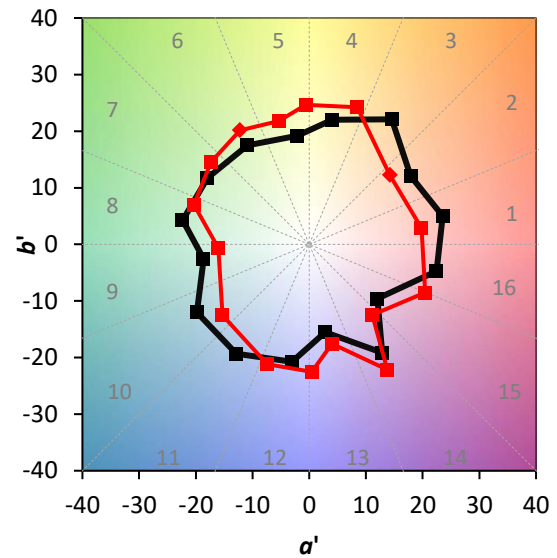
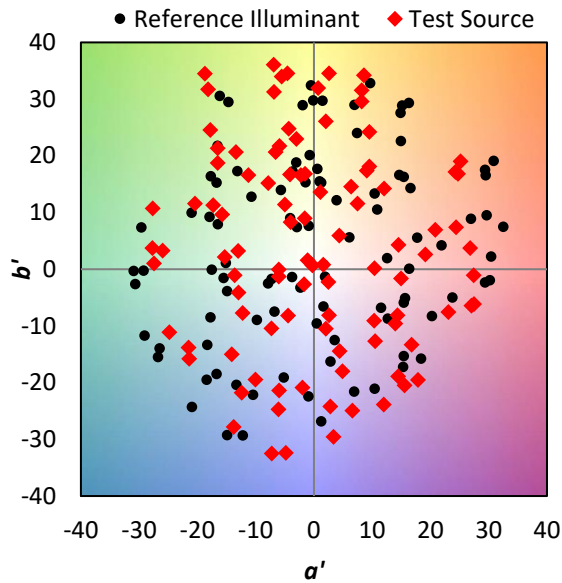
TM-30-18

Summary

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

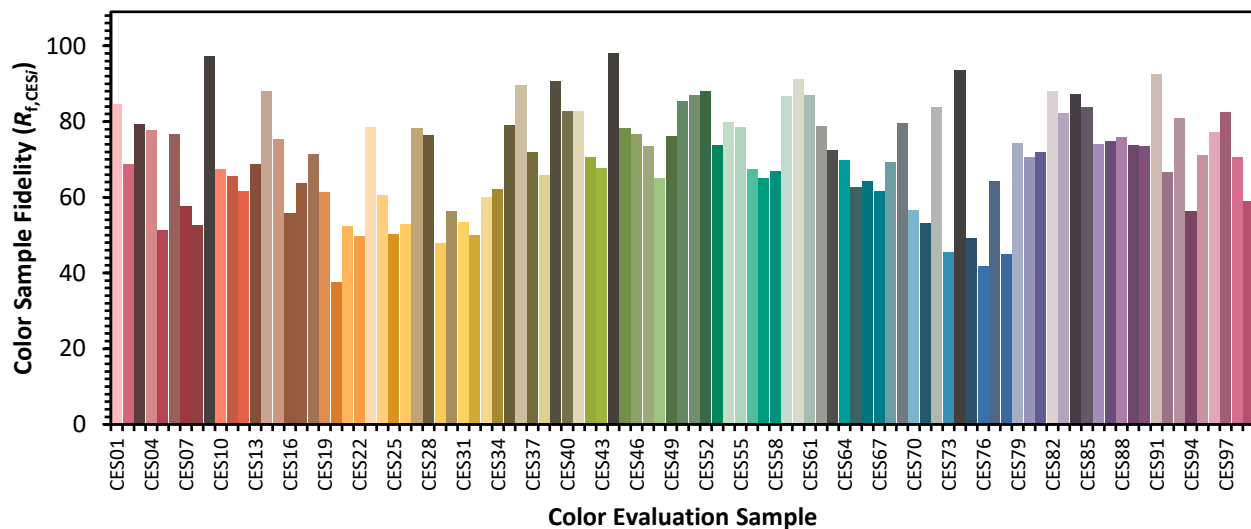


Color Vector Graphics

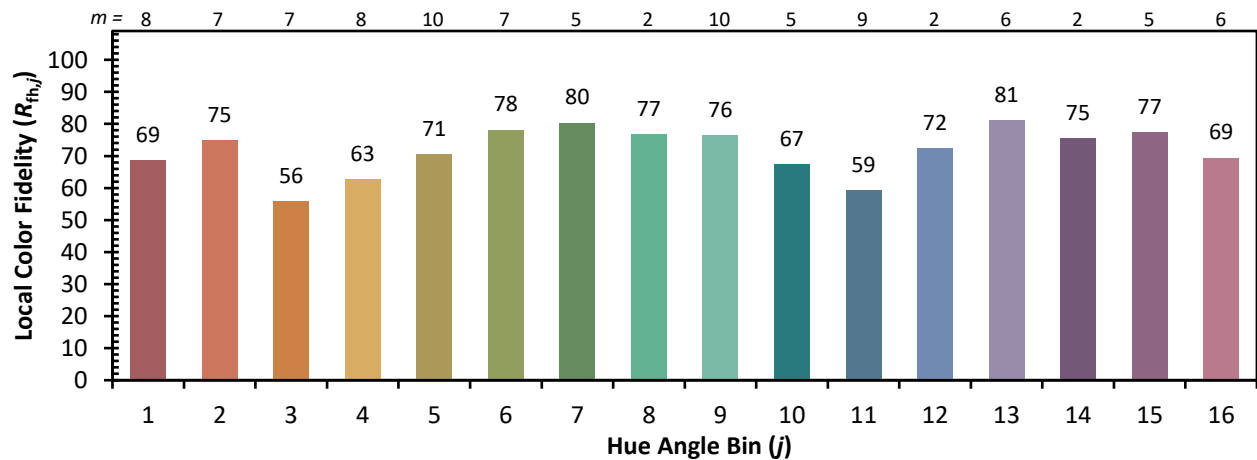
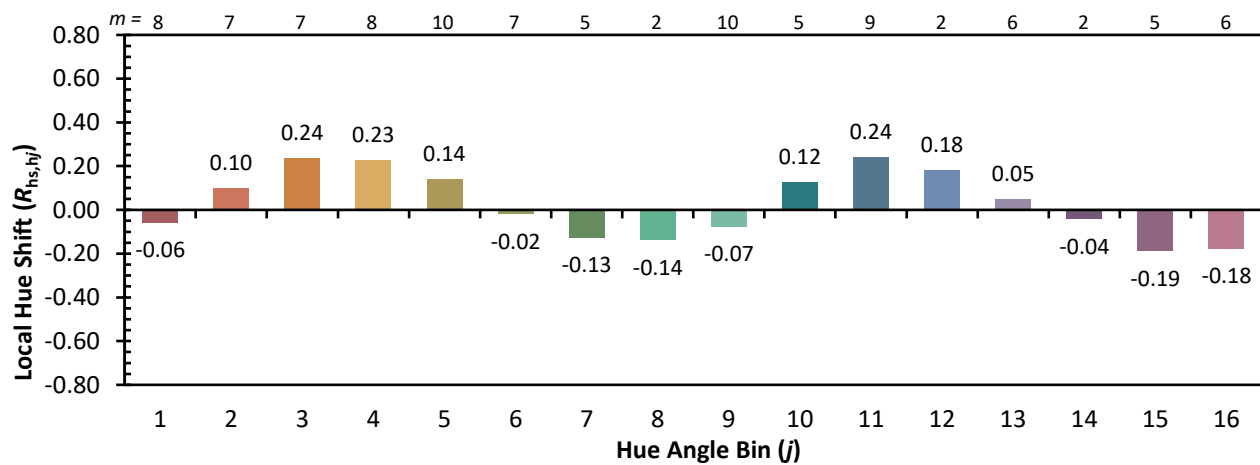
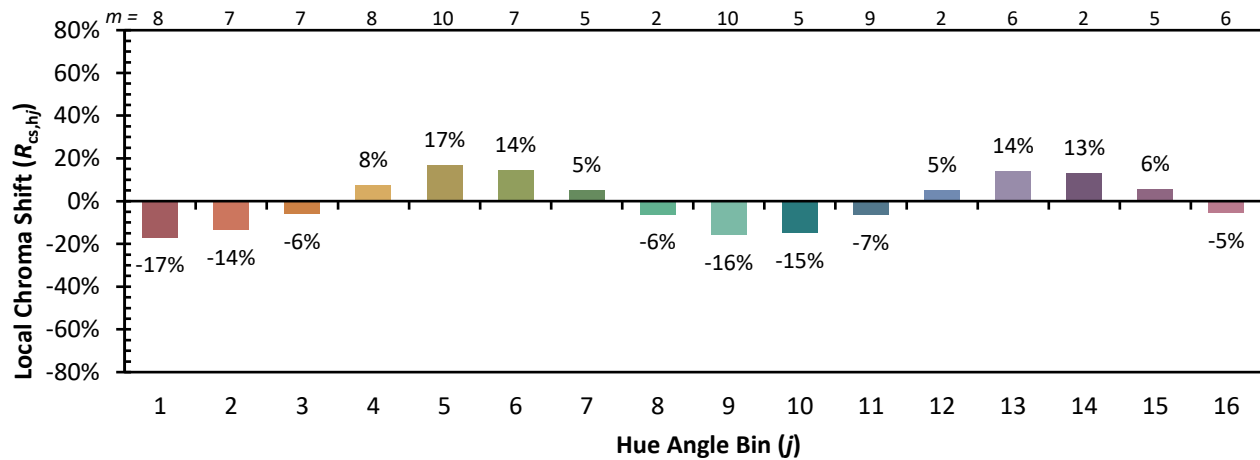


Individual Sample Fidelity Index ($R_{f,i}$)

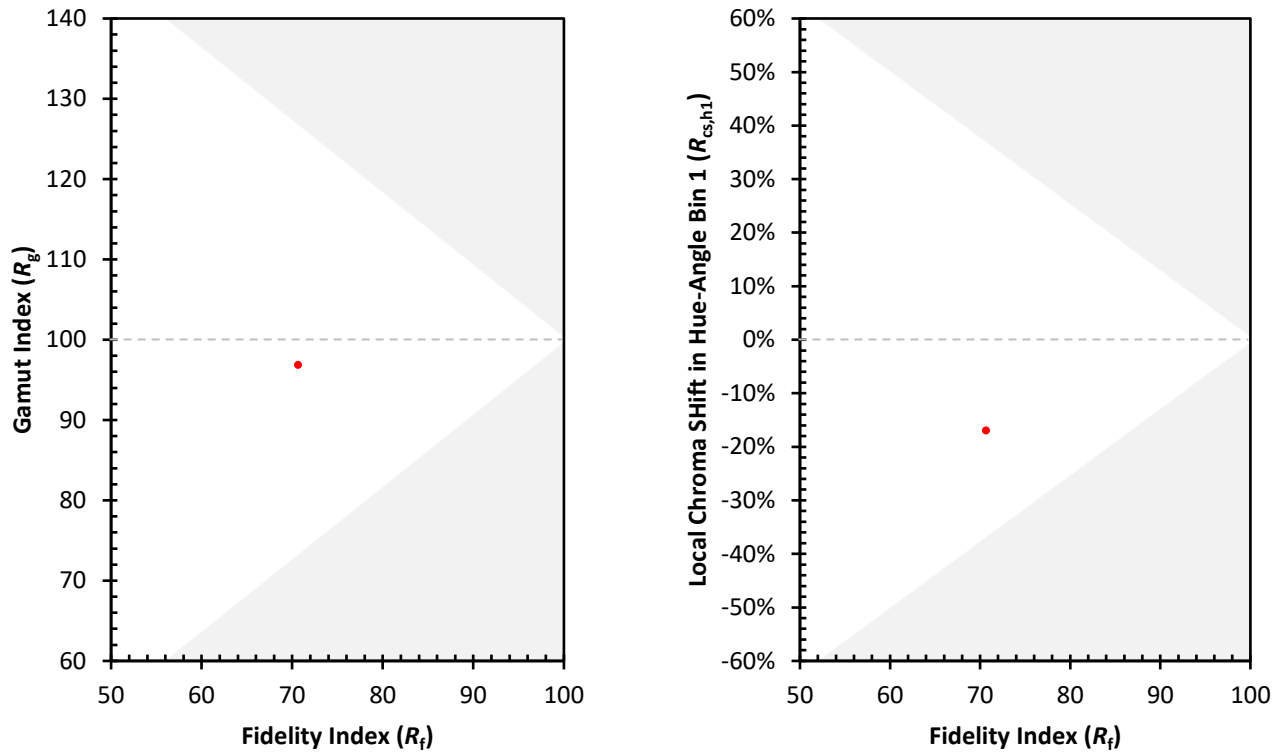
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 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)