

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: P1066324

Luminaire Tested: **NVN-SA4D-750-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066324
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4D-750-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 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: 24214.5 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 218.9
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

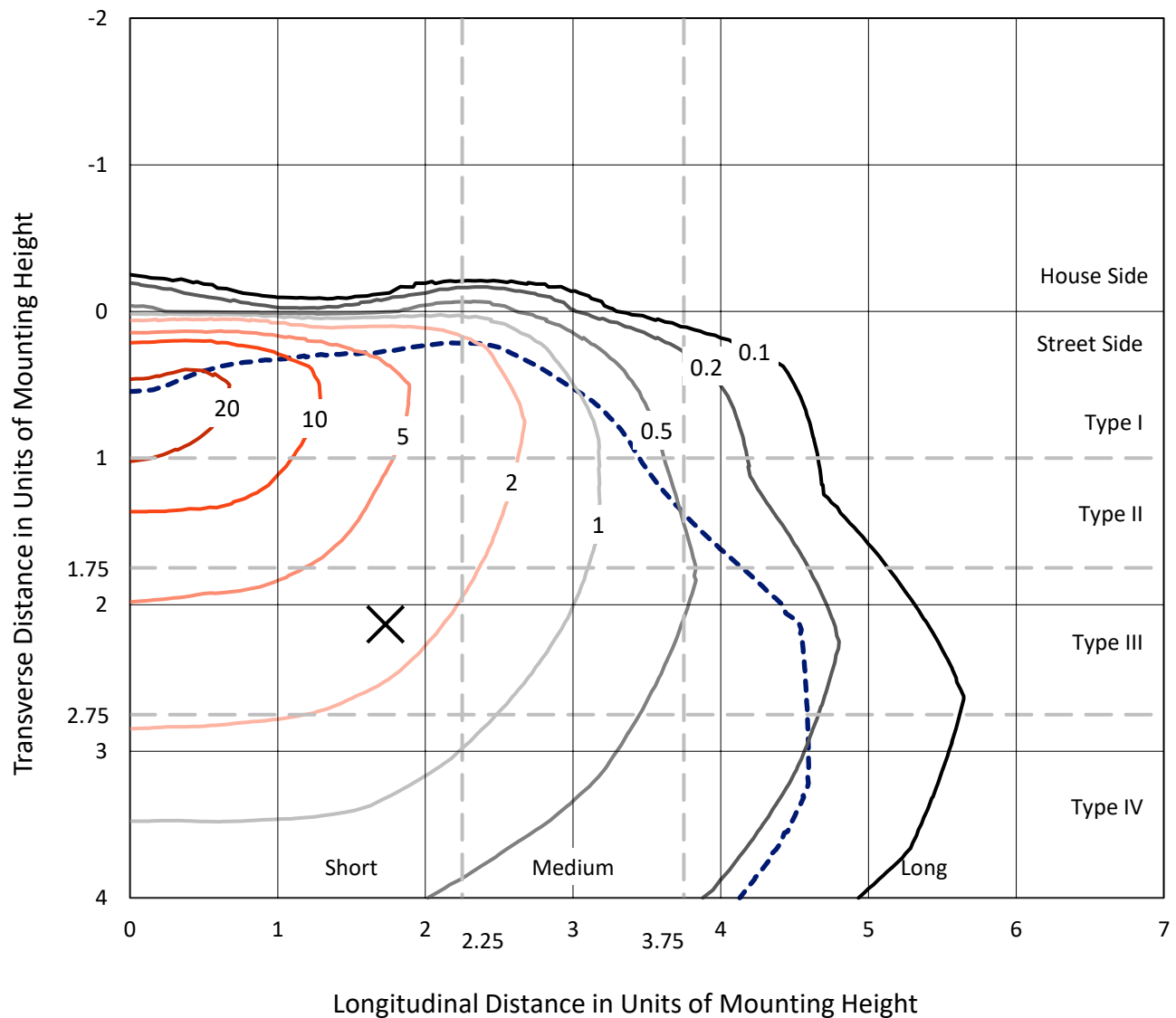


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

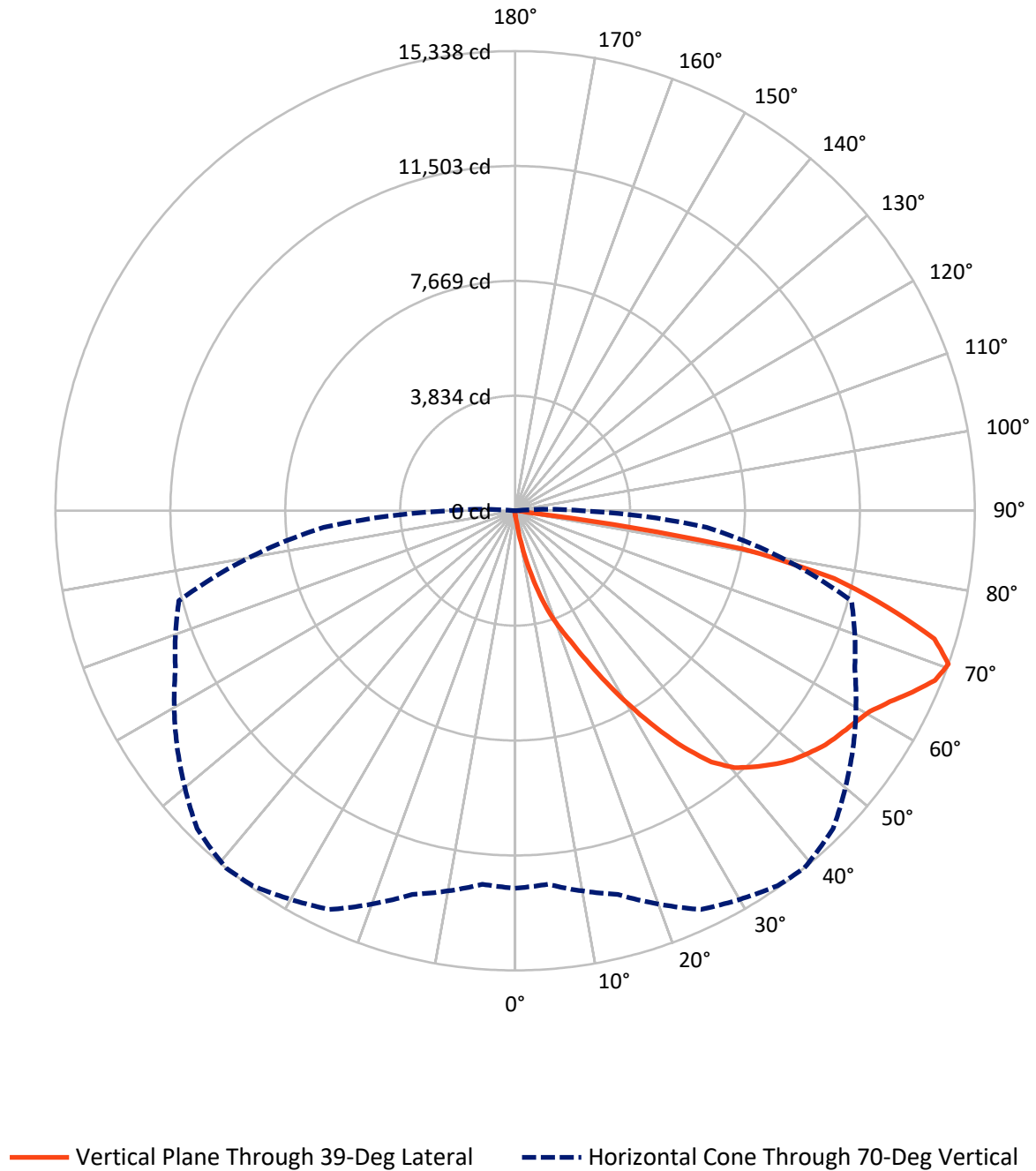


Based on 15 foot mounting height. Maximum calculated value = 26.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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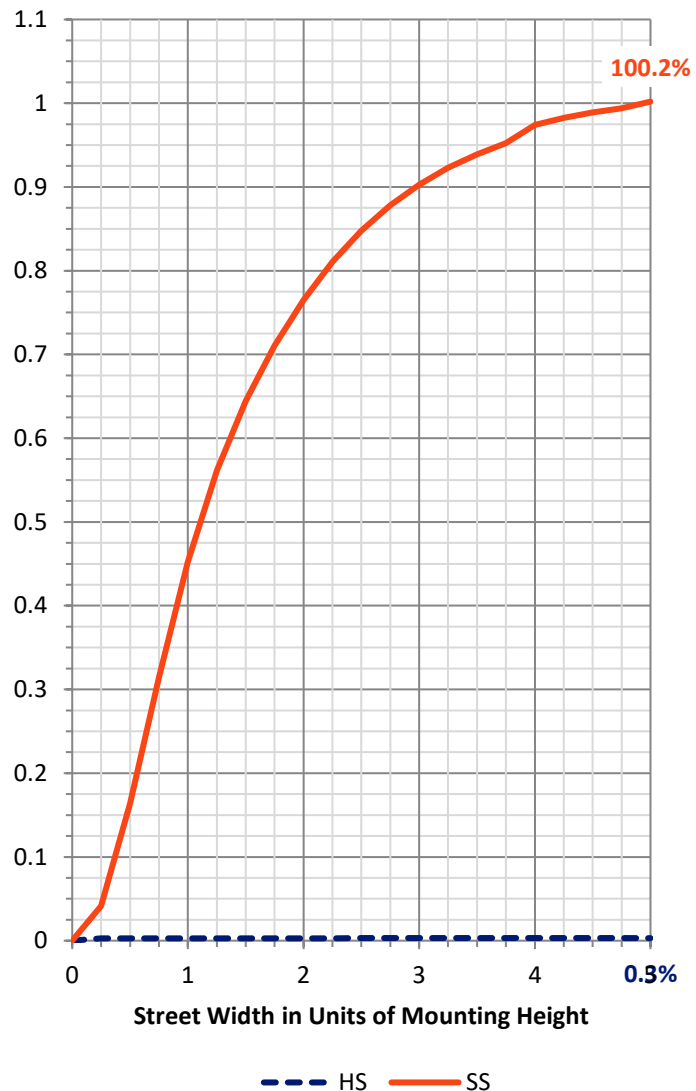
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	74.6	0.0	74.6
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	24139.9	0.0	24139.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	24214.5	0.0	24214.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	0.1
10°-20°	297.7	1.2
20°-30°	1010.2	4.2
30°-40°	2374.1	9.8
40°-50°	3855.1	15.9
50°-60°	4885.2	20.2
60°-70°	6205.5	25.6
70°-80°	5042.0	20.8
80°-90°	519.2	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°	24214.5	100.0
0°-180°	24214.5	100.0



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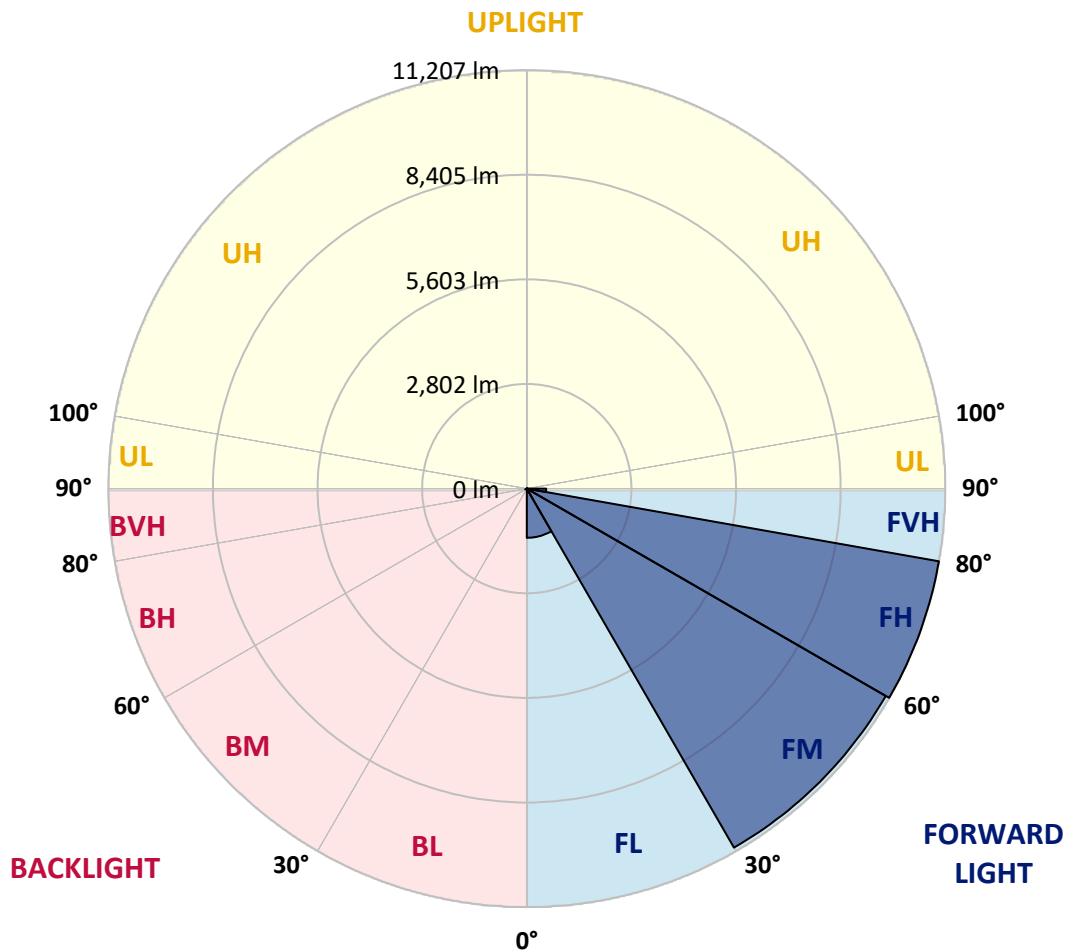
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1317.2	5.4			
FM	(30°-60°)	11100.2	45.8			
FH	(60°-80°)	11206.5	46.3			G4/12000
FVH	(80°-90°)	516.0	2.1			G4/750
BL	(0°-30°)	16.1	0.1	B0/110		
BM	(30°-60°)	14.3	0.1	B0/220		
BH	(60°-80°)	41.0	0.2	B0/110		G0/110
BVH	(80°-90°)	3.1	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°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	170.9	170.9	170.9	164.4	164.4	157.8	157.8	151.2	144.6	144.6	138.1
5°	322.1	328.7	309.0	269.5	243.2	230.1	216.9	184.1	164.4	151.2	138.1
7.5°	880.9	854.6	815.2	683.7	525.9	447.0	381.3	269.5	197.2	157.8	138.1
10°	1853.9	1781.6	1669.8	1492.3	1183.3	1058.4	821.8	493.1	276.1	177.5	138.1
12.5°	2721.7	2734.8	2596.8	2425.9	2051.1	1840.8	1518.6	927.0	433.9	210.4	138.1
15°	3379.1	3366.0	3313.4	3175.3	2840.0	2636.2	2347.0	1558.1	729.7	263.0	144.6
17.5°	3898.5	3845.9	3826.2	3767.0	3550.0	3438.3	3122.7	2294.4	1157.1	355.0	151.2
20°	4417.8	4404.7	4385.0	4319.2	4174.6	4095.7	3852.5	3037.3	1722.4	506.2	164.4
22.5°	5173.9	5101.5	5114.7	4970.1	4851.7	4713.7	4516.4	3826.2	2373.3	723.2	184.1
25°	6061.4	6054.8	5949.6	5883.9	5686.6	5535.4	5272.5	4588.8	3096.4	1045.3	203.8
27.5°	7106.7	7034.3	6988.3	6876.6	6672.8	6501.8	6140.3	5344.8	3878.8	1406.9	230.1
30°	8198.0	8198.0	8112.5	7941.6	7744.4	7534.0	7165.8	6140.3	4654.5	1867.1	263.0
32.5°	9473.4	9499.7	9289.3	9032.9	8776.5	8631.9	8152.0	7040.9	5397.4	2393.0	302.4
35°	10709.3	10676.4	10328.0	10045.3	9854.7	9696.9	9289.3	8027.0	6238.9	3004.4	355.0
37.5°	11892.6	11807.2	11228.7	10827.6	10742.2	10637.0	10229.4	9013.2	7073.8	3681.5	420.7
40°	12740.7	12609.2	12011.0	11458.8	11333.8	11274.7	10959.1	9907.3	7954.7	4437.6	506.2
42.5°	13108.9	12957.7	12543.5	12096.4	11820.3	11682.3	11406.2	10637.0	8835.7	5279.0	631.1
45°	13181.2	13062.8	12767.0	12661.8	12287.1	12076.7	11702.0	11156.3	9657.4	6114.0	802.0
47.5°	12918.2	12865.6	12688.1	12911.6	12721.0	12431.7	11978.1	11544.2	10387.2	7126.4	1038.7
50°	12273.9	12234.5	12320.0	12905.1	13036.5	12707.8	12280.5	11846.6	11018.3	8171.7	1374.0
52.5°	11406.2	11399.6	11800.6	12734.1	13174.6	12970.8	12576.4	12149.0	11517.9	9184.1	1847.3
55°	10459.5	10571.2	11274.7	12576.4	13253.5	13161.5	12865.6	12418.6	11965.0	10124.2	2609.9
57.5°	10380.6	10334.6	11011.7	12510.6	13299.5	13352.1	13154.9	12701.3	12346.3	10893.4	3628.9
60°	11169.5	11064.3	11320.7	12648.7	13503.3	13595.4	13444.1	12918.2	12727.6	11498.2	4970.1
62.5°	12083.3	11984.7	12116.2	13181.2	13904.3	14035.8	13845.2	13141.7	13036.5	11918.9	6409.8
65°	12813.0	12734.1	12984.0	13976.7	14463.1	14574.9	14443.4	13555.9	13174.6	12260.8	7580.0
67.5°	12931.4	12832.8	13352.1	14509.2	15028.5	15107.4	15002.2	13956.9	13128.6	12287.1	7849.5
70°	12596.1	12510.6	13253.5	14680.1	15271.8	15337.5	15002.2	13766.3	12504.0	11616.5	6416.4
72.5°	11563.9	11629.7	12589.5	14265.9	14936.5	14634.1	13924.1	12806.5	11695.4	9848.1	4503.3
75°	9959.8	10032.2	11307.5	13128.6	13181.2	12813.0	12431.7	11780.9	10466.1	6488.7	3122.7
77.5°	7080.4	6824.0	8730.5	10840.8	10650.1	10886.8	10919.7	9802.1	8763.3	3379.1	2090.6
80°	696.9	591.7	1097.9	3109.6	6870.0	7678.6	7994.2	7553.7	6462.4	1512.1	1097.9
82.5°	151.2	151.2	164.4	177.5	276.1	414.2	1899.9	4654.5	4174.6	769.2	355.0
85°	85.5	85.5	105.2	124.9	164.4	184.1	216.9	289.3	1124.2	276.1	65.7
87.5°	65.7	72.3	85.5	105.2	138.1	151.2	184.1	230.1	282.7	256.4	19.7
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°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	138.1	131.5	124.9	118.3	111.8	111.8	105.2	105.2	105.2	105.2	105.2
5°	131.5	124.9	118.3	105.2	98.6	92.0	85.5	85.5	85.5	85.5	85.5
7.5°	131.5	124.9	111.8	98.6	85.5	78.9	72.3	65.7	65.7	72.3	72.3
10°	131.5	118.3	98.6	85.5	72.3	65.7	59.2	52.6	52.6	52.6	52.6
12.5°	124.9	111.8	92.0	78.9	65.7	52.6	39.4	32.9	32.9	32.9	32.9
15°	118.3	105.2	85.5	65.7	46.0	32.9	26.3	19.7	19.7	19.7	19.7
17.5°	118.3	98.6	78.9	59.2	32.9	19.7	13.1	6.6	6.6	6.6	13.1
20°	118.3	98.6	72.3	46.0	19.7	13.1	13.1	6.6	0.0	6.6	6.6
22.5°	118.3	92.0	59.2	32.9	19.7	13.1	6.6	0.0	0.0	0.0	0.0
25°	124.9	92.0	52.6	26.3	13.1	6.6	0.0	0.0	0.0	0.0	0.0
27.5°	124.9	85.5	46.0	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	131.5	85.5	39.4	13.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	131.5	78.9	26.3	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	131.5	72.3	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	131.5	65.7	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	138.1	59.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	144.6	52.6	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	151.2	46.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	170.9	46.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	197.2	46.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	236.7	46.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	309.0	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	447.0	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	749.5	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1314.8	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2222.1	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2899.2	46.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2202.3	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1051.9	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	466.8	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	203.8	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	78.9	13.1	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0
82.5°	32.9	13.1	6.6	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0
85°	19.7	13.1	13.1	13.1	6.6	6.6	6.6	0.0	0.0	0.0	0.0
87.5°	13.1	13.1	13.1	13.1	13.1	6.6	6.6	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

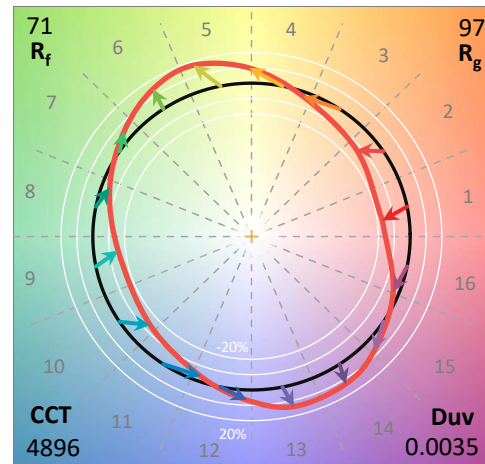
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

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

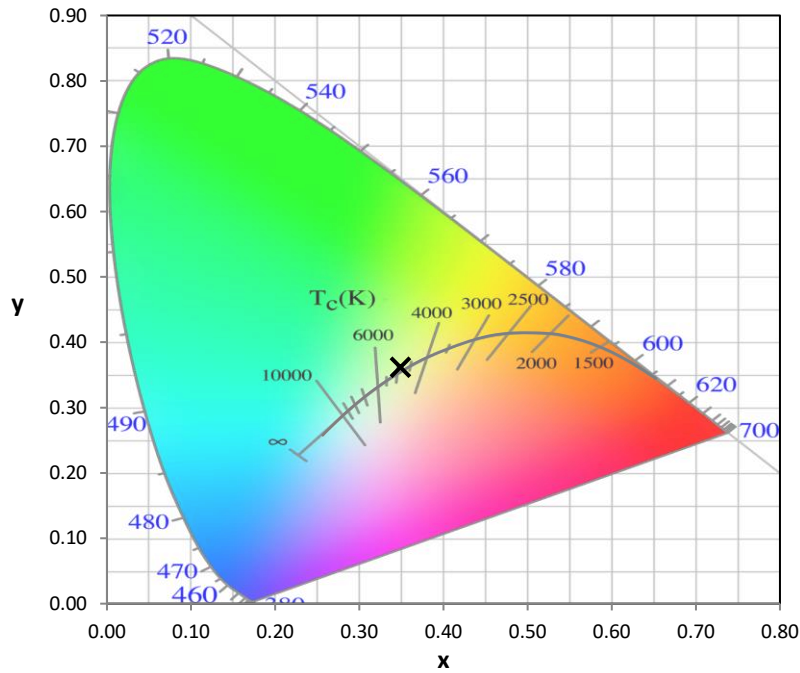
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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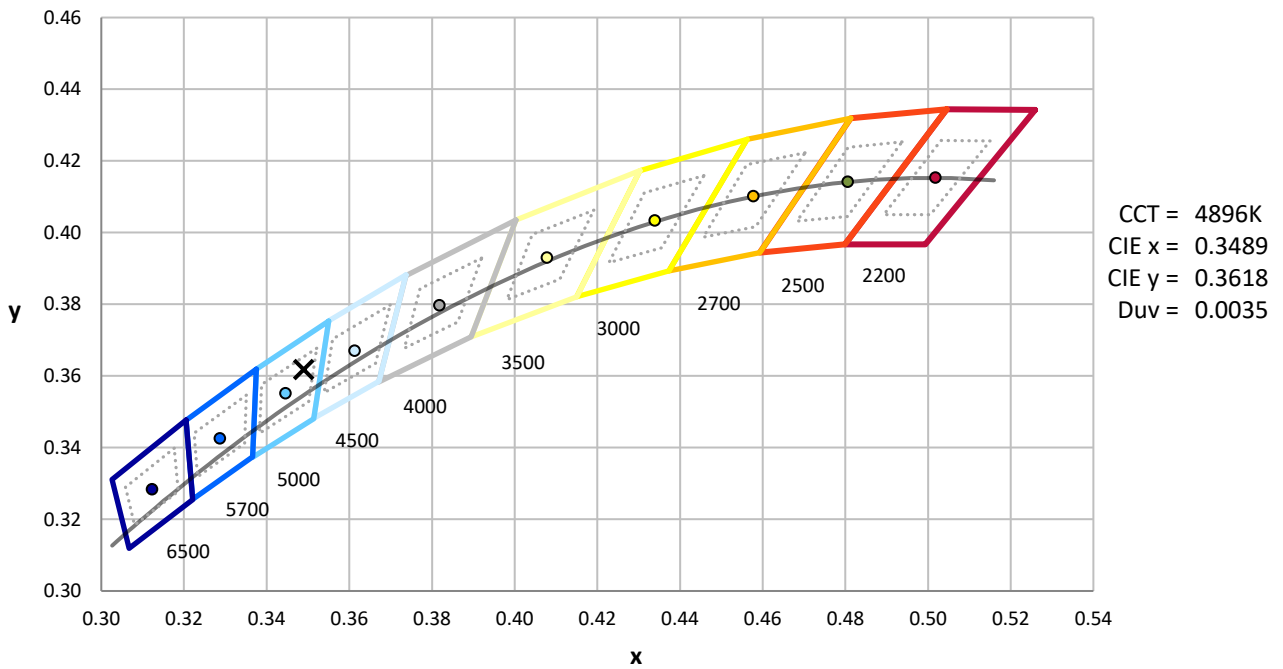
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



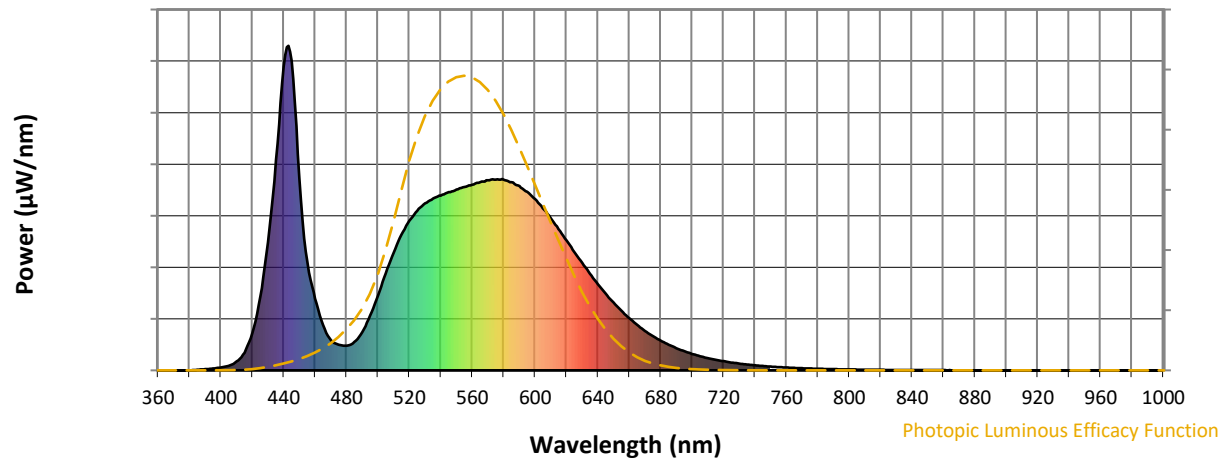
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

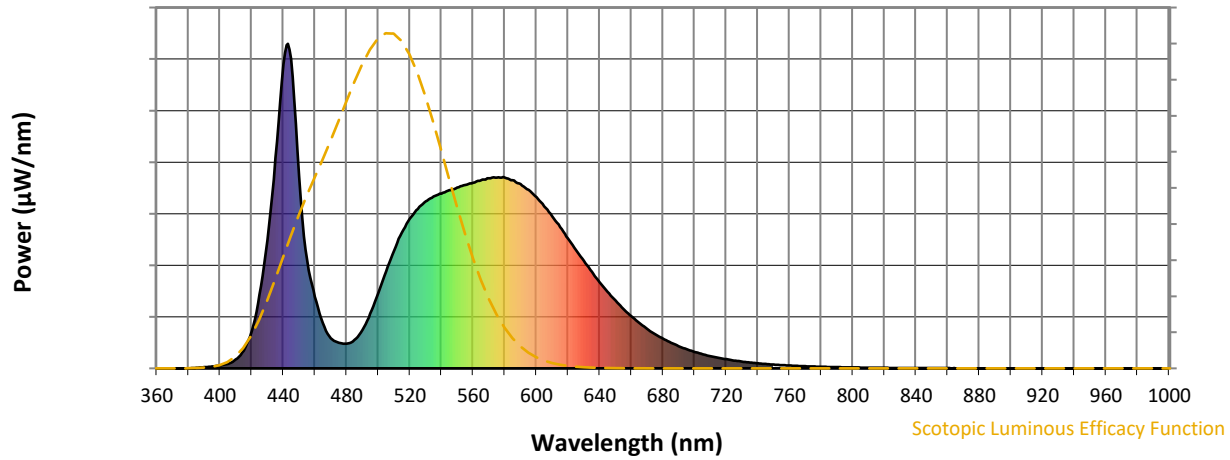


Photopic Lumens: NR

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	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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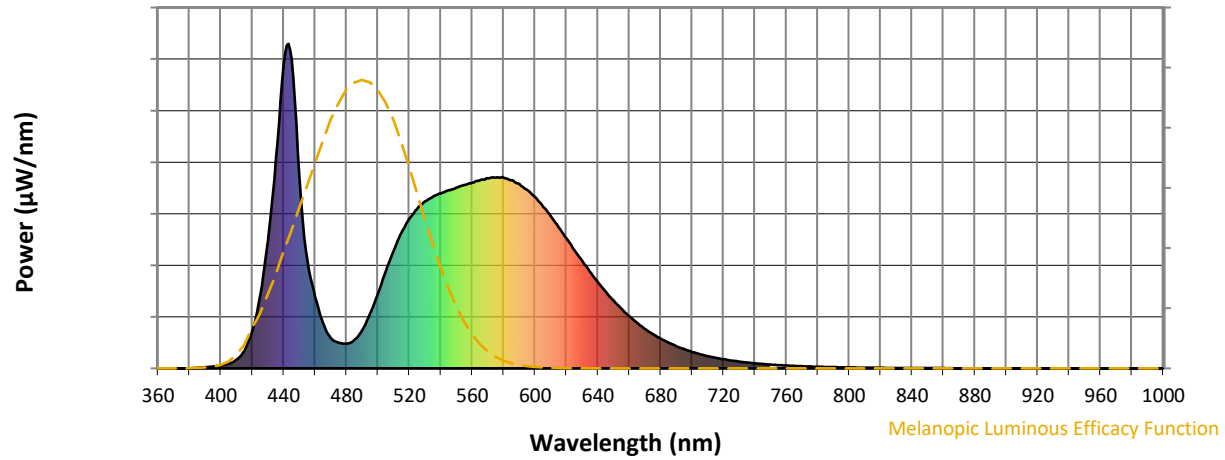
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.7

λ (nm)	Power W [^] /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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.37

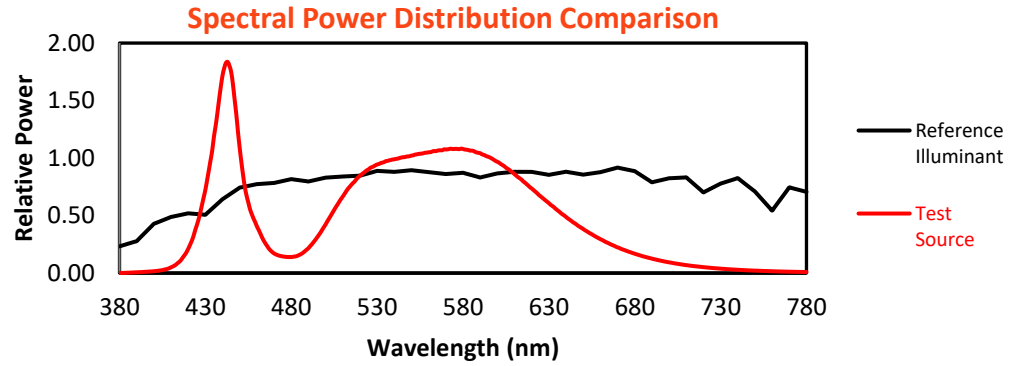
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	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			

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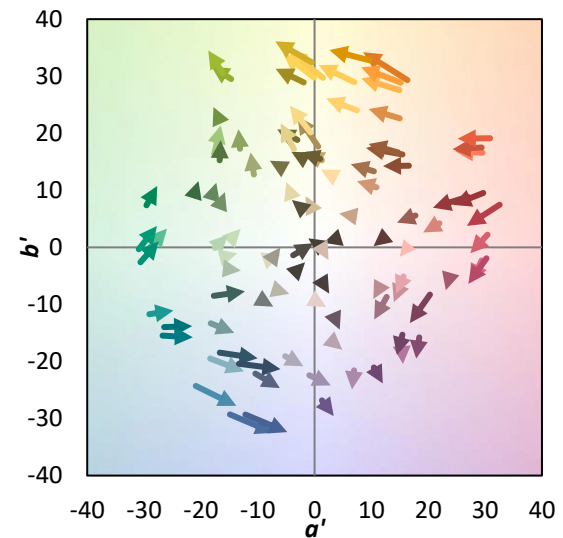
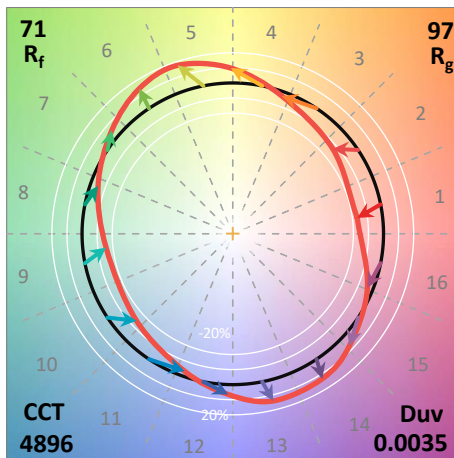
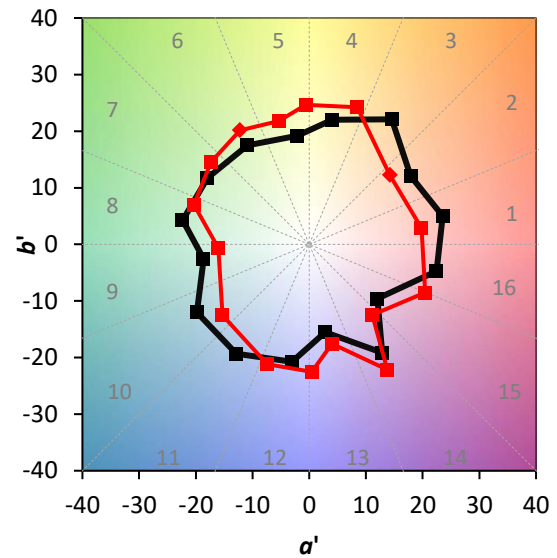
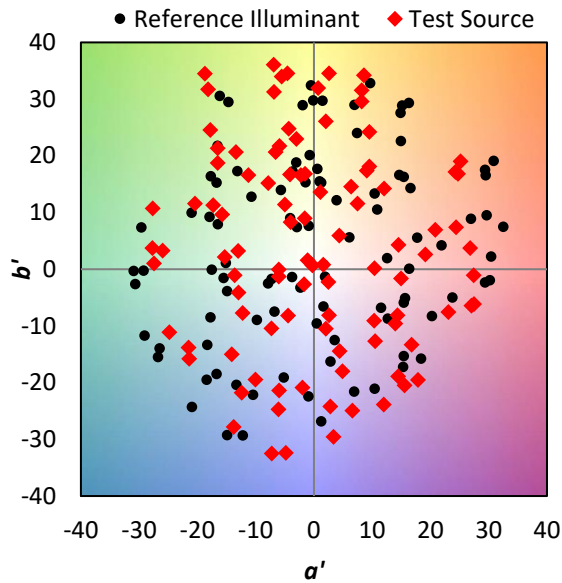
TM-30-18

Summary

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

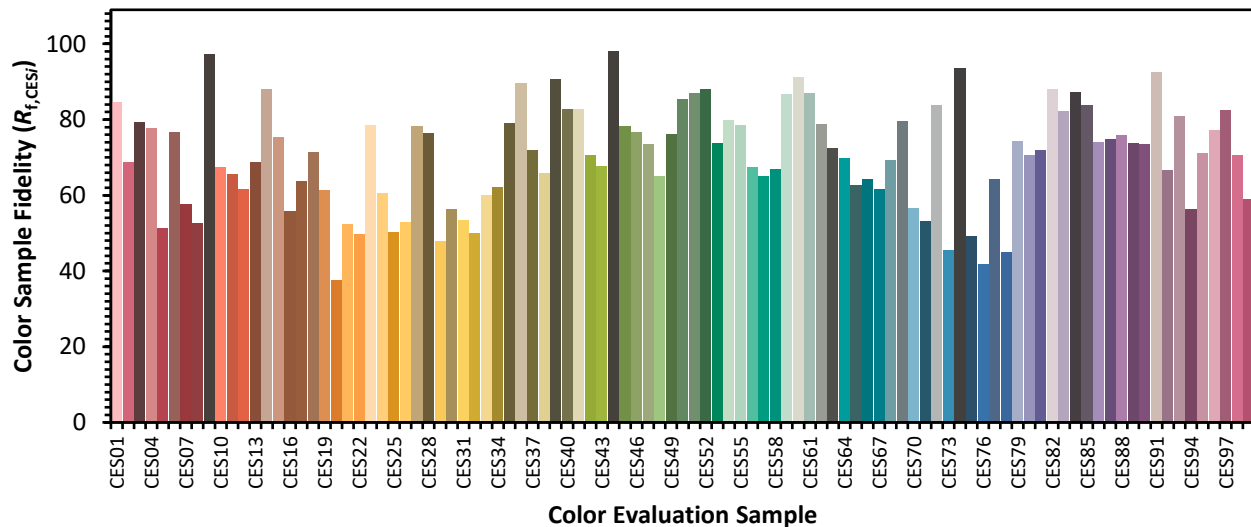


Color Vector Graphics

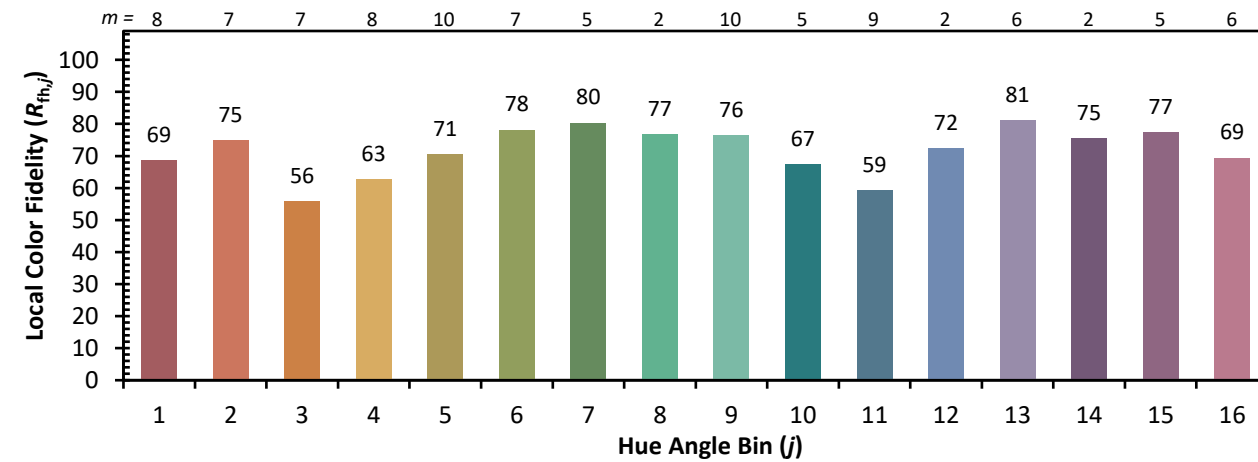
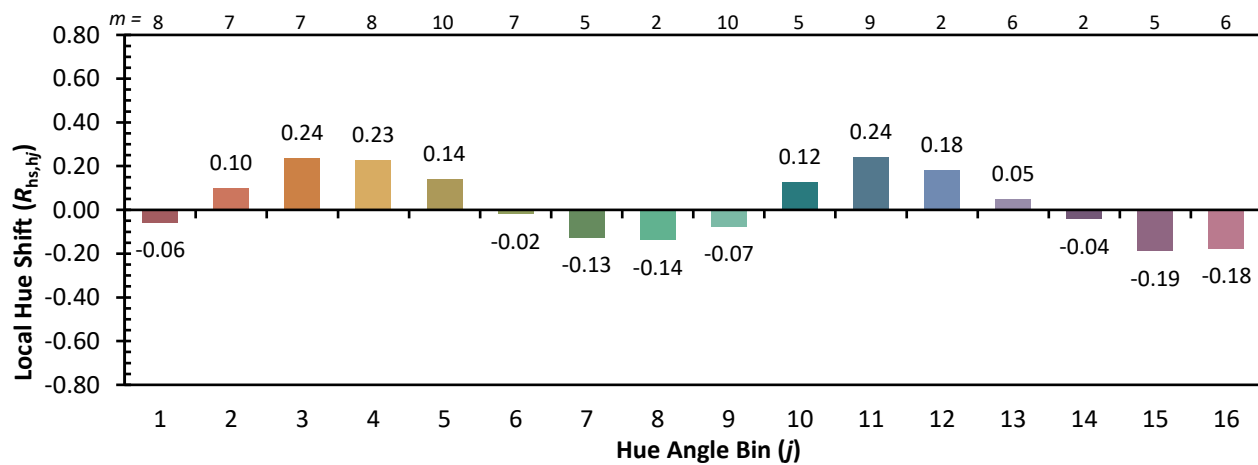
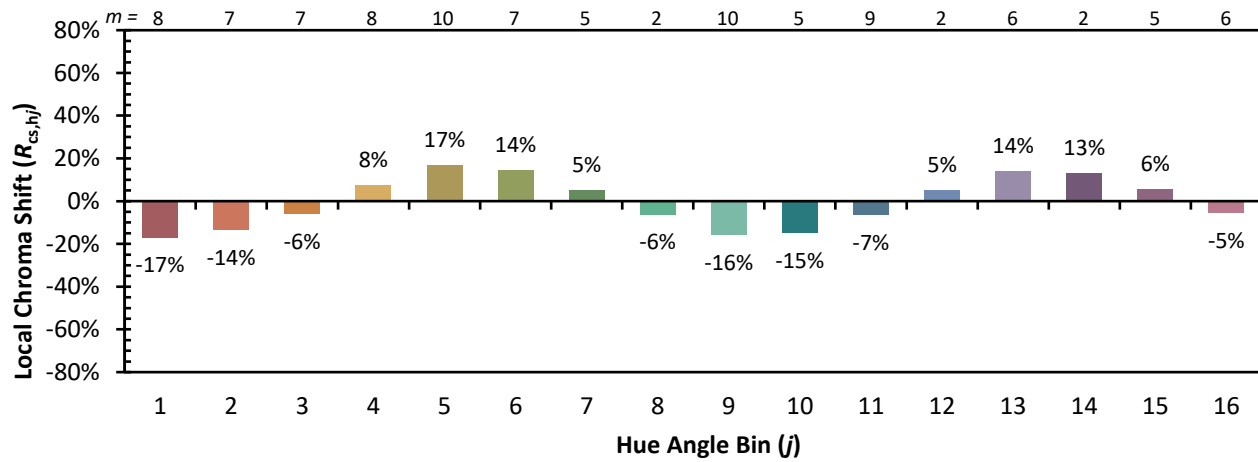


Individual Sample Fidelity Index ($R_{f,i}$)

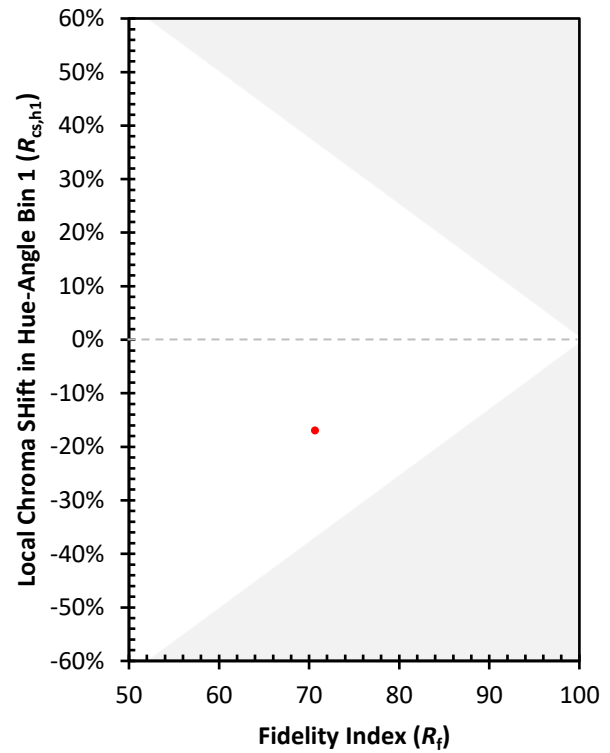
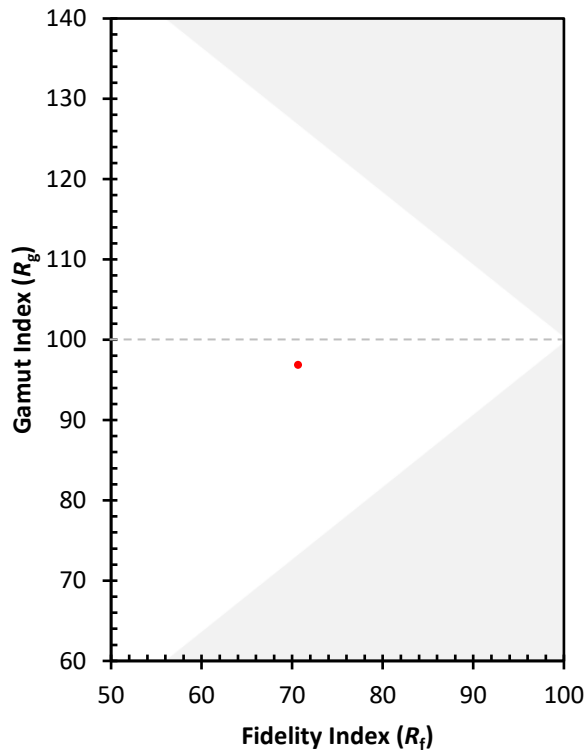
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82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