

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: P1066318

Luminaire Tested: **NVN-SA3B-750-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066318
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3B-750-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13385 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 106.2
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

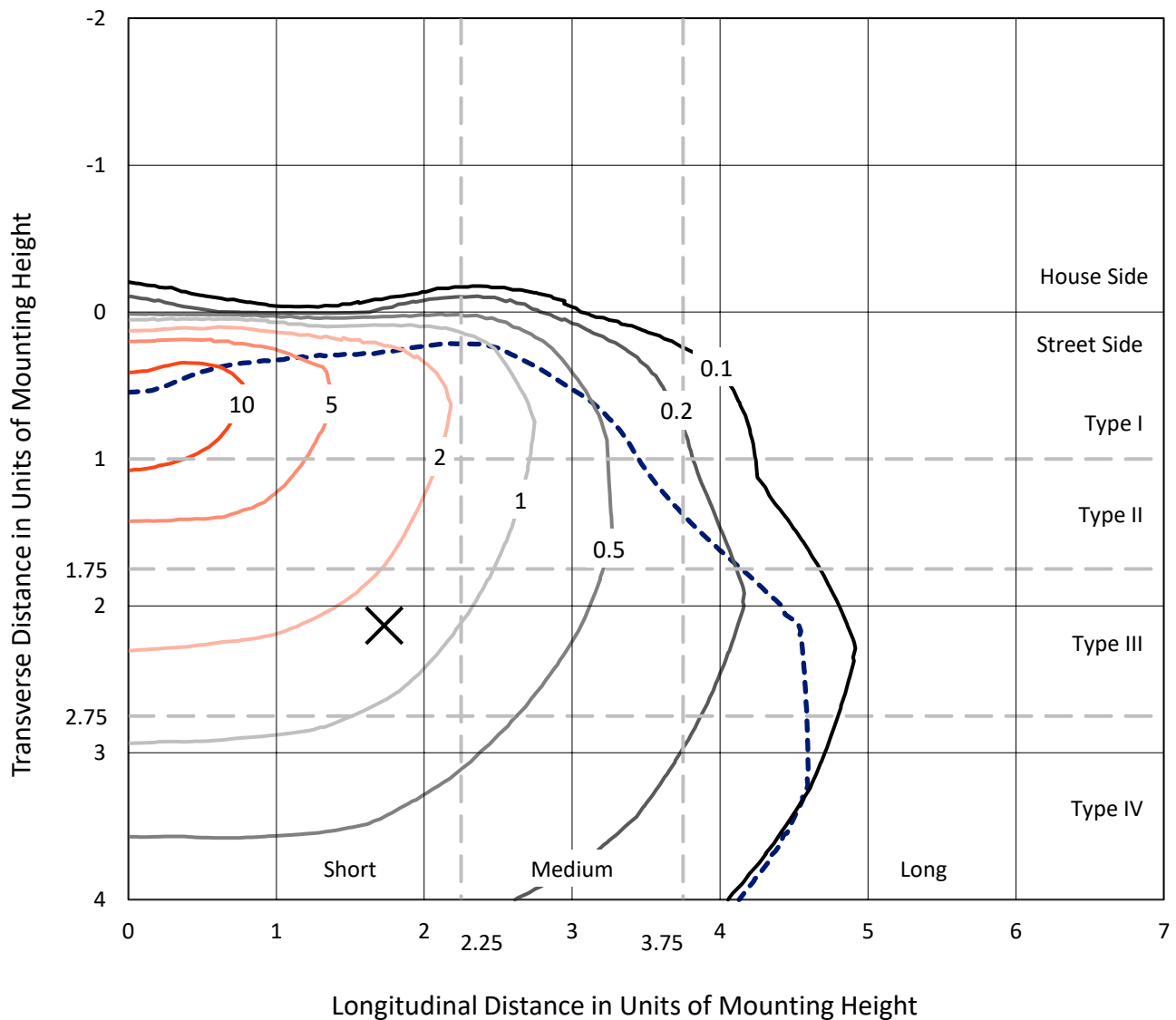


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CATALOG NUMBER: NVN-SA3B-750-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

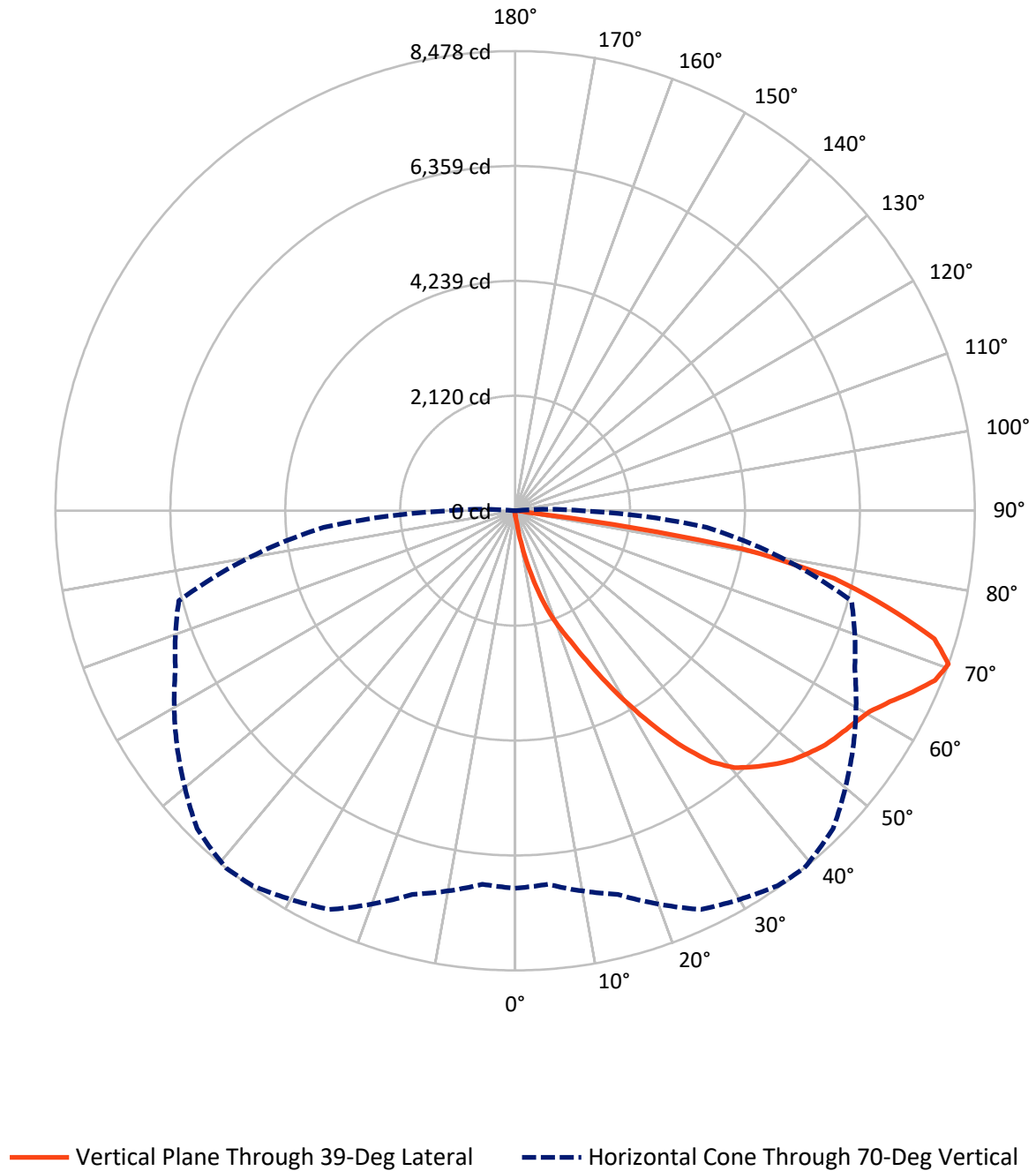


Based on 15 foot mounting height. Maximum calculated value = 14.6 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NVN-SA3B-750-U-T4BC

Luminous Intensity Polar Plot



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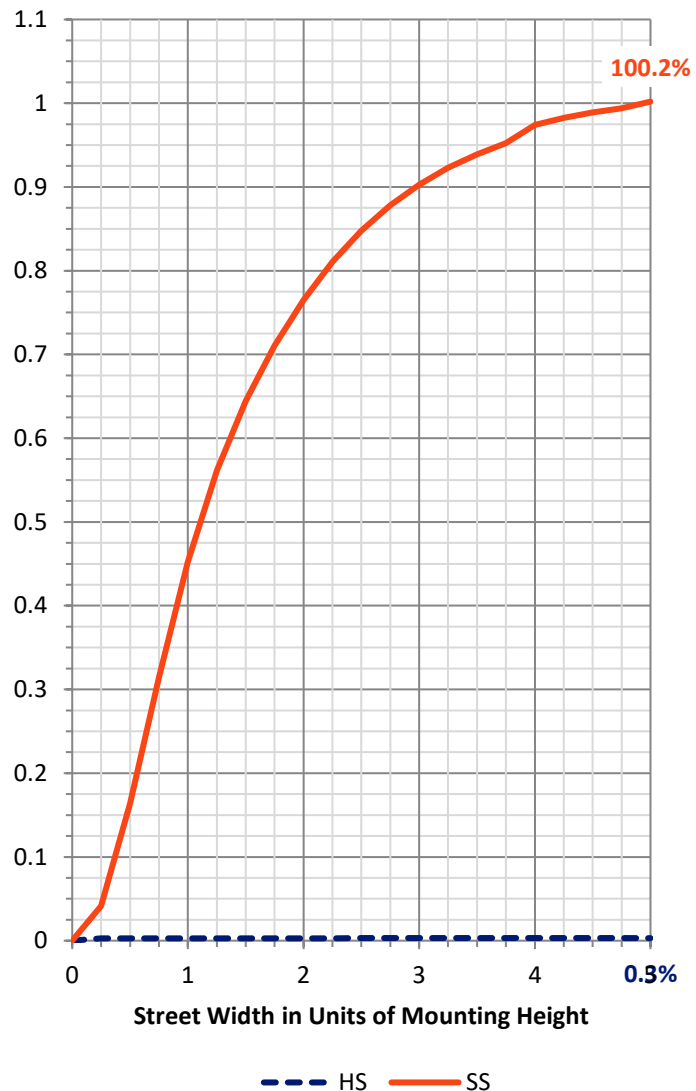
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	41.2	0.0	41.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	13343.8	0.0	13343.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	13385.0	0.0	13385.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.1
10°-20°	164.6	1.2
20°-30°	558.4	4.2
30°-40°	1312.4	9.8
40°-50°	2131.0	15.9
50°-60°	2700.4	20.2
60°-70°	3430.2	25.6
70°-80°	2787.1	20.8
80°-90°	287.0	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°	13385.0	100.0
0°-180°	13385.0	100.0



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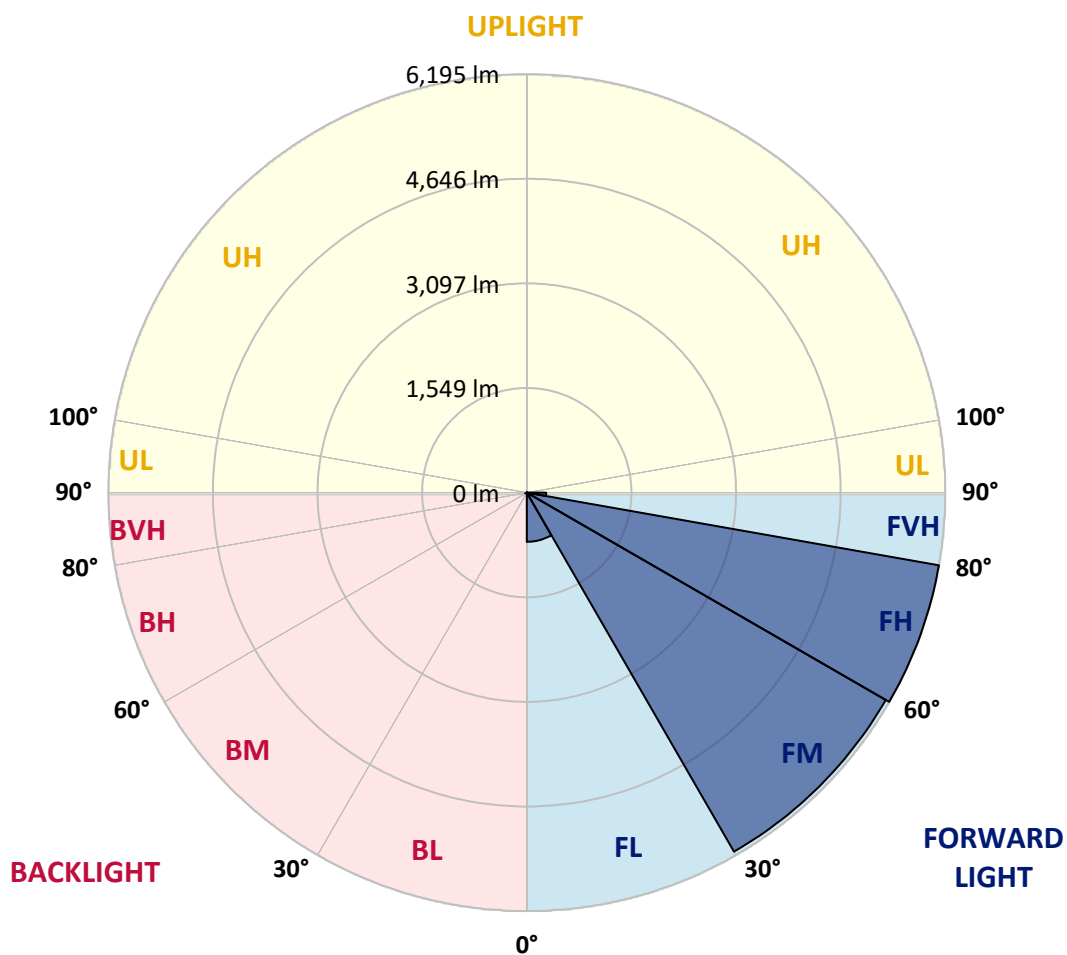
CATALOG NUMBER: NVN-SA3B-750-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	728.1	5.4			
FM	(30°-60°)	6135.8	45.8			
FH	(60°-80°)	6194.6	46.3			G3/7500
FVH	(80°-90°)	285.2	2.1			G3/500
BL	(0°-30°)	8.9	0.1	B0/110		
BM	(30°-60°)	7.9	0.1	B0/220		
BH	(60°-80°)	22.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
2.5°	94.5	94.5	94.5	90.8	90.8	87.2	87.2	83.6	79.9	79.9	76.3
5°	178.1	181.7	170.8	149.0	134.5	127.2	119.9	101.8	90.8	83.6	76.3
7.5°	487.0	472.4	450.6	377.9	290.7	247.1	210.8	149.0	109.0	87.2	76.3
10°	1024.8	984.8	923.0	824.9	654.1	585.1	454.2	272.5	152.6	98.1	76.3
12.5°	1504.5	1511.7	1435.4	1340.9	1133.8	1017.5	839.5	512.4	239.8	116.3	76.3
15°	1867.9	1860.6	1831.5	1755.2	1569.9	1457.2	1297.3	861.3	403.4	145.4	79.9
17.5°	2155.0	2125.9	2115.0	2082.3	1962.4	1900.6	1726.1	1268.3	639.6	196.2	83.6
20°	2442.0	2434.8	2423.9	2387.5	2307.6	2264.0	2129.5	1678.9	952.1	279.8	90.8
22.5°	2860.0	2820.0	2827.2	2747.3	2681.9	2605.6	2496.6	2115.0	1311.9	399.7	101.8
25°	3350.5	3346.9	3288.8	3252.4	3143.4	3059.8	2914.5	2536.5	1711.6	577.8	112.7
27.5°	3928.3	3888.4	3862.9	3801.2	3688.5	3594.0	3394.2	2954.4	2144.1	777.7	127.2
30°	4531.6	4531.6	4484.3	4389.9	4280.8	4164.6	3961.1	3394.2	2572.9	1032.1	145.4
32.5°	5236.6	5251.1	5134.8	4993.1	4851.4	4771.4	4506.2	3892.0	2983.5	1322.8	167.2
35°	5919.8	5901.6	5709.0	5552.7	5447.4	5360.1	5134.8	4437.1	3448.7	1660.7	196.2
37.5°	6573.9	6526.7	6206.9	5985.2	5937.9	5879.8	5654.5	4982.2	3910.2	2035.0	232.6
40°	7042.7	6970.0	6639.3	6334.1	6265.0	6232.3	6057.9	5476.4	4397.1	2452.9	279.8
42.5°	7246.2	7162.6	6933.7	6686.5	6533.9	6457.6	6305.0	5879.8	4884.1	2918.1	348.9
45°	7286.2	7220.7	7057.2	6999.1	6791.9	6675.6	6468.5	6166.9	5338.3	3379.6	443.3
47.5°	7140.8	7111.7	7013.6	7137.2	7031.8	6871.9	6621.1	6381.3	5741.7	3939.2	574.2
50°	6784.7	6762.9	6810.1	7133.5	7206.2	7024.5	6788.3	6548.5	6090.6	4517.1	759.5
52.5°	6305.0	6301.3	6523.0	7039.0	7282.5	7169.9	6951.8	6715.6	6366.8	5076.7	1021.2
55°	5781.7	5843.5	6232.3	6951.8	7326.1	7275.3	7111.7	6864.6	6613.9	5596.4	1442.7
57.5°	5738.1	5712.6	6086.9	6915.5	7351.6	7380.6	7271.6	7020.9	6824.6	6021.5	2006.0
60°	6174.2	6116.0	6257.7	6991.8	7464.2	7515.1	7431.5	7140.8	7035.4	6355.9	2747.3
62.5°	6679.3	6624.8	6697.5	7286.2	7685.9	7758.6	7653.2	7264.4	7206.2	6588.4	3543.1
65°	7082.7	7039.0	7177.1	7725.9	7994.8	8056.6	7983.9	7493.3	7282.5	6777.4	4190.0
67.5°	7148.1	7093.6	7380.6	8020.2	8307.3	8350.9	8292.8	7715.0	7257.1	6791.9	4339.0
70°	6962.7	6915.5	7326.1	8114.7	8441.8	8478.1	8292.8	7609.6	6911.9	6421.3	3546.8
72.5°	6392.2	6428.5	6959.1	7885.8	8256.4	8089.3	7696.8	7079.0	6464.9	5443.7	2489.3
75°	5505.5	5545.5	6250.5	7257.1	7286.2	7082.7	6871.9	6512.1	5785.3	3586.8	1726.1
77.5°	3913.8	3772.1	4825.9	5992.5	5887.1	6017.9	6036.1	5418.3	4844.1	1867.9	1155.6
80°	385.2	327.1	606.9	1718.9	3797.5	4244.5	4418.9	4175.5	3572.2	835.8	606.9
82.5°	83.6	83.6	90.8	98.1	152.6	228.9	1050.2	2572.9	2307.6	425.2	196.2
85°	47.2	47.2	58.1	69.0	90.8	101.8	119.9	159.9	621.4	152.6	36.3
87.5°	36.3	40.0	47.2	58.1	76.3	83.6	101.8	127.2	156.3	141.7	10.9
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-SA3B-750-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
2.5°	76.3	72.7	69.0	65.4	61.8	61.8	58.1	58.1	58.1	58.1	58.1
5°	72.7	69.0	65.4	58.1	54.5	50.9	47.2	47.2	47.2	47.2	47.2
7.5°	72.7	69.0	61.8	54.5	47.2	43.6	40.0	36.3	36.3	40.0	40.0
10°	72.7	65.4	54.5	47.2	40.0	36.3	32.7	29.1	29.1	29.1	29.1
12.5°	69.0	61.8	50.9	43.6	36.3	29.1	21.8	18.2	18.2	18.2	18.2
15°	65.4	58.1	47.2	36.3	25.4	18.2	14.5	10.9	10.9	10.9	10.9
17.5°	65.4	54.5	43.6	32.7	18.2	10.9	7.3	3.6	3.6	3.6	7.3
20°	65.4	54.5	40.0	25.4	10.9	7.3	7.3	3.6	0.0	3.6	3.6
22.5°	65.4	50.9	32.7	18.2	10.9	7.3	3.6	0.0	0.0	0.0	0.0
25°	69.0	50.9	29.1	14.5	7.3	3.6	0.0	0.0	0.0	0.0	0.0
27.5°	69.0	47.2	25.4	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	72.7	47.2	21.8	7.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	72.7	43.6	14.5	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	72.7	40.0	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	72.7	36.3	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	76.3	32.7	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	79.9	29.1	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	83.6	25.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	94.5	25.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	109.0	25.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	130.8	25.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	170.8	21.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	247.1	21.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	414.3	21.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	726.8	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1228.3	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1602.6	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1217.4	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	581.4	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	258.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	112.7	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.6	7.3	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0
82.5°	18.2	7.3	3.6	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0
85°	10.9	7.3	7.3	7.3	3.6	3.6	3.6	0.0	0.0	0.0	0.0
87.5°	7.3	7.3	7.3	7.3	7.3	3.6	3.6	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

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

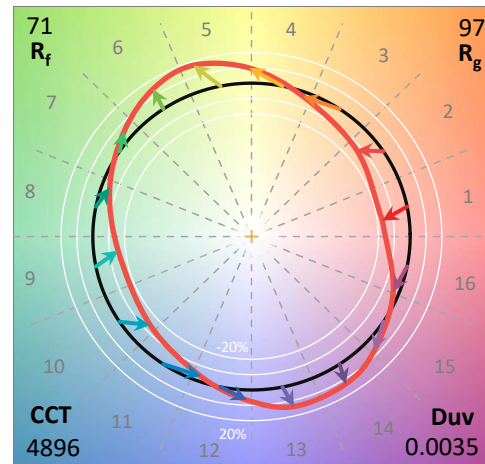
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

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

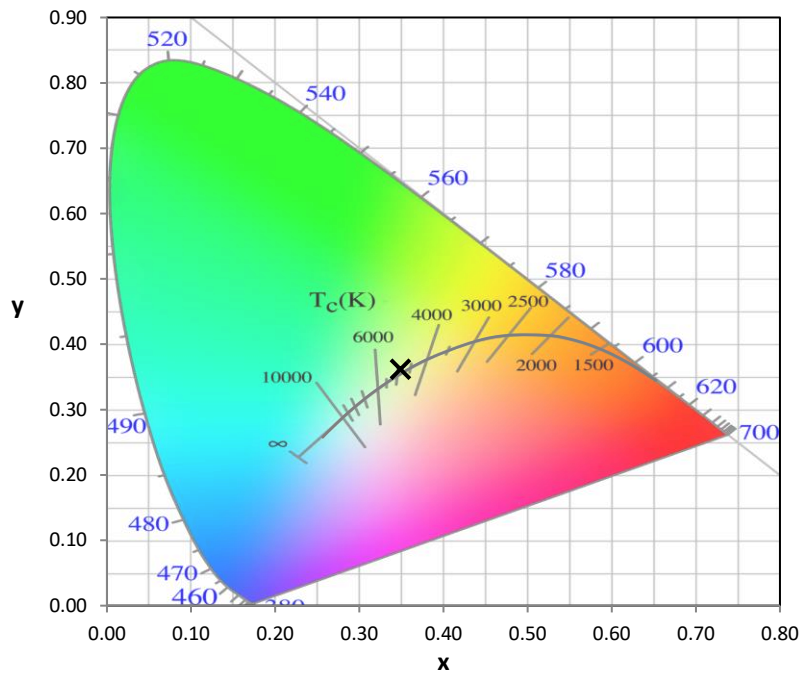
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

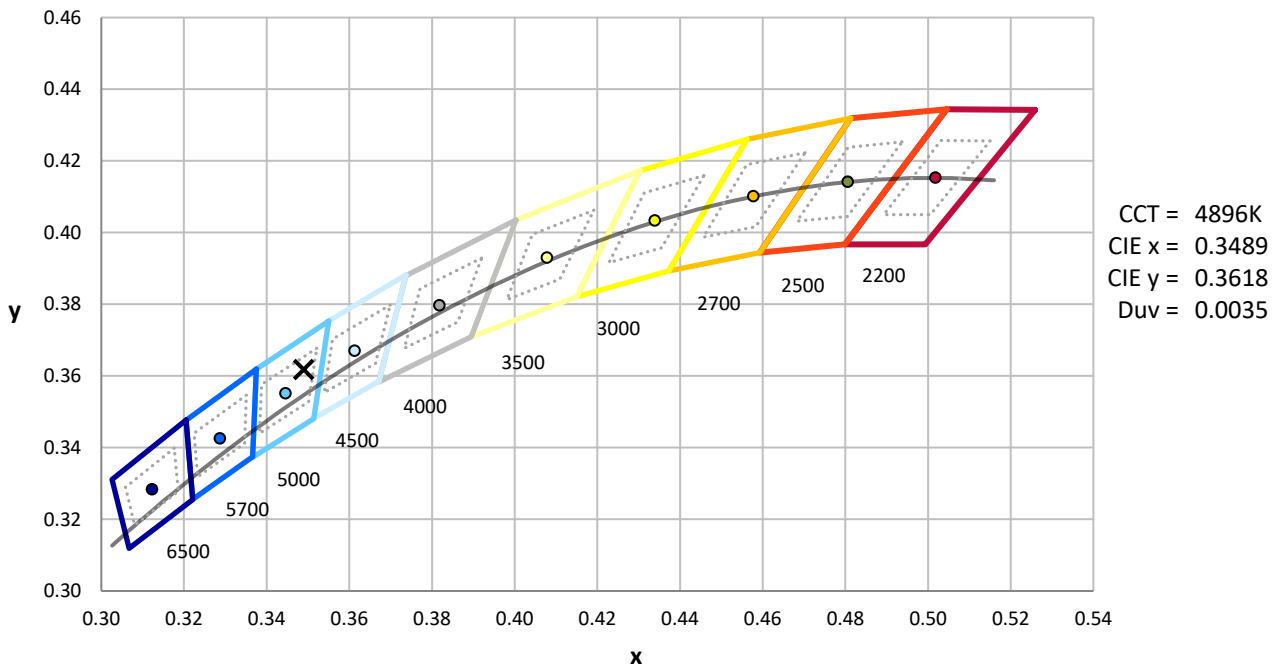
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



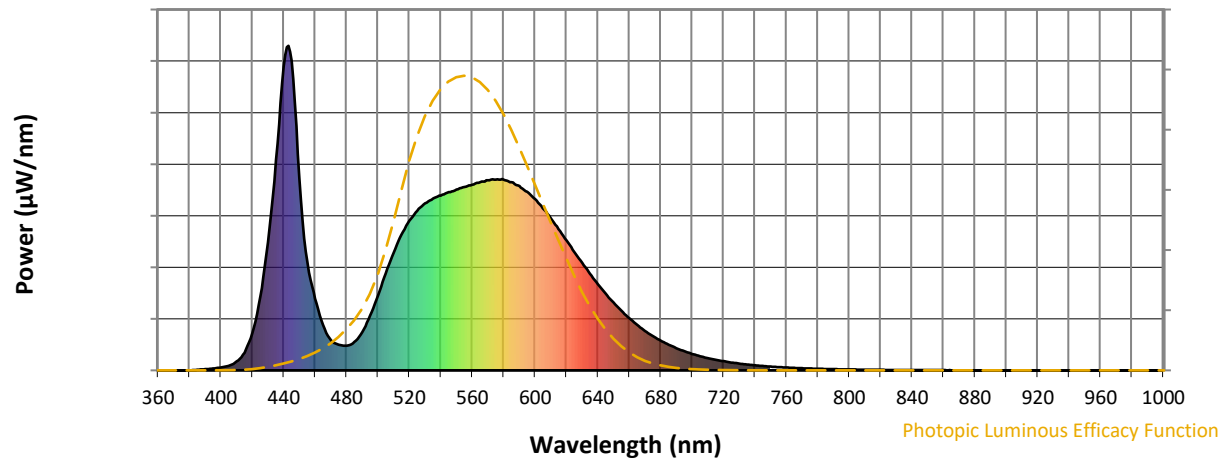
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

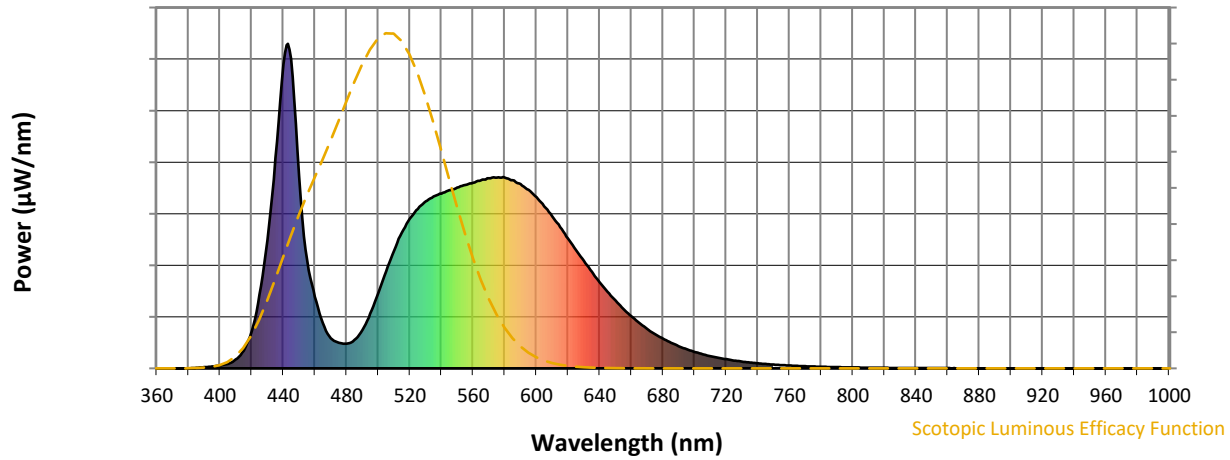


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



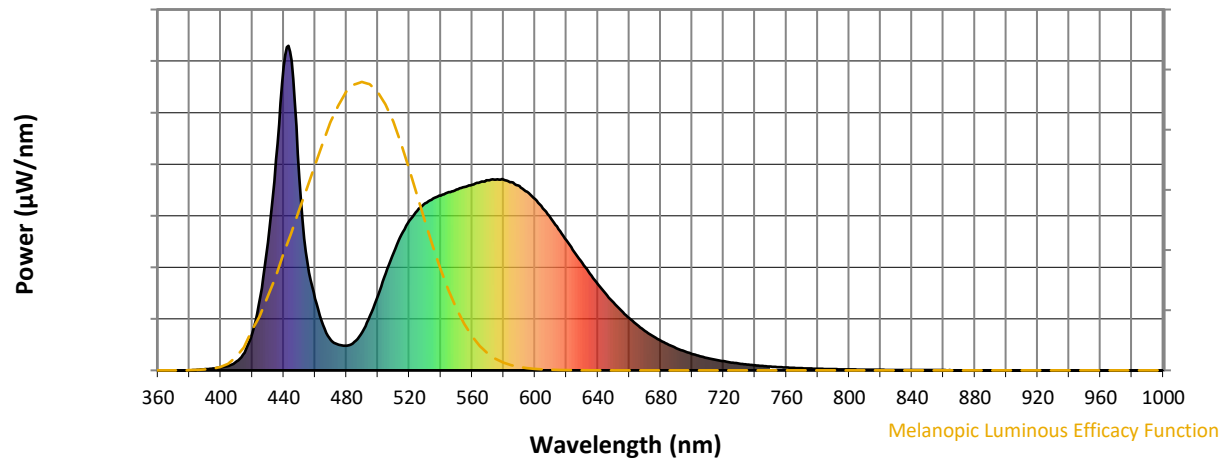
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.37

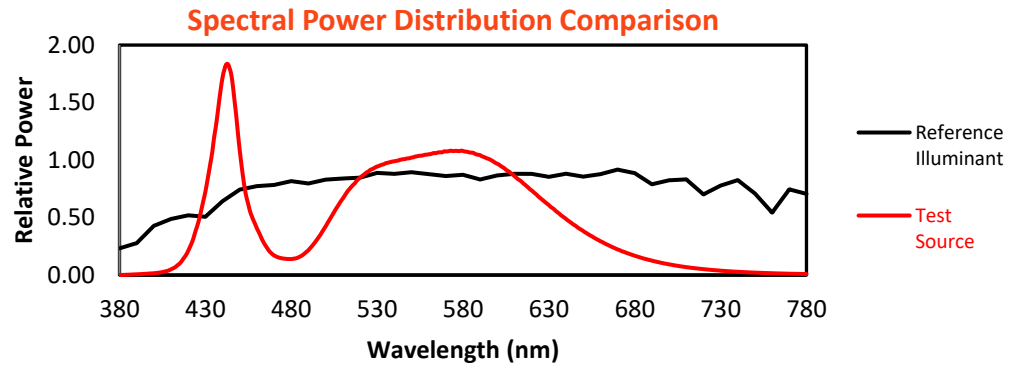
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	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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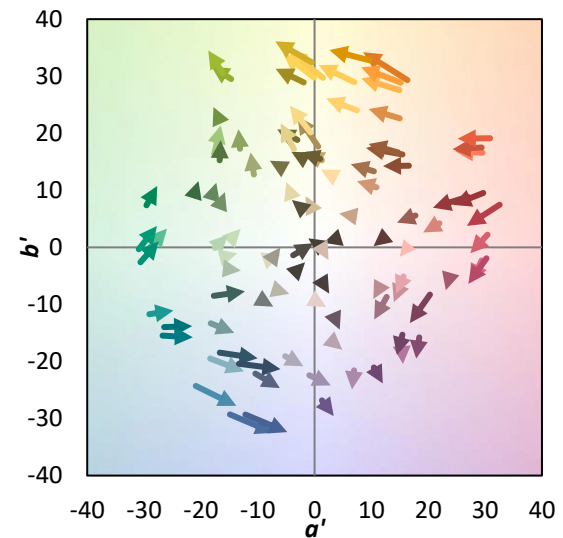
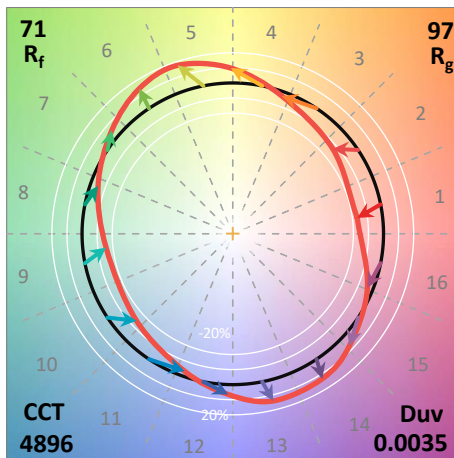
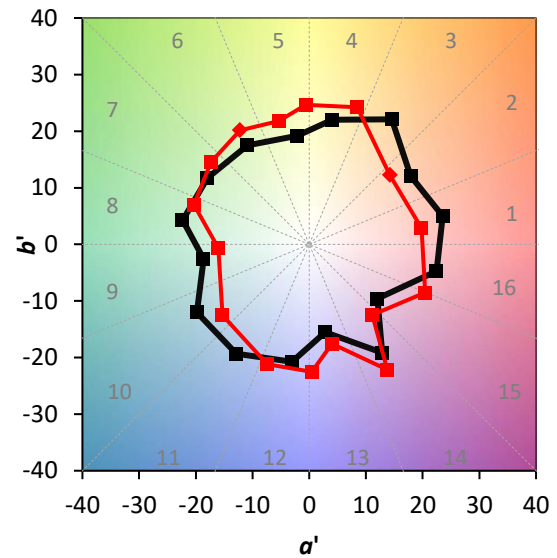
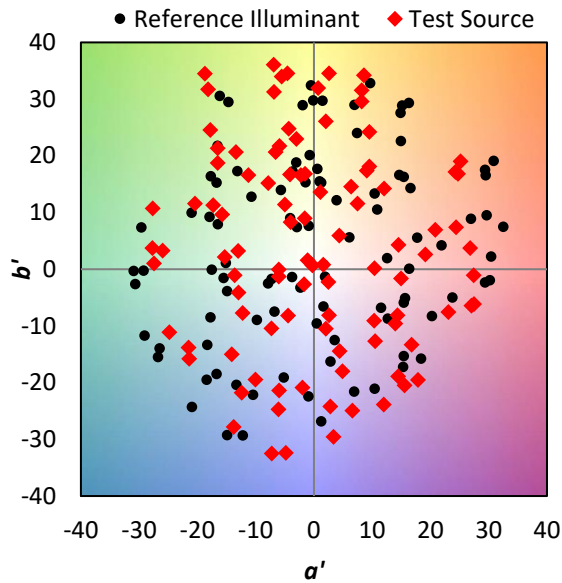
TM-30-18

Summary

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

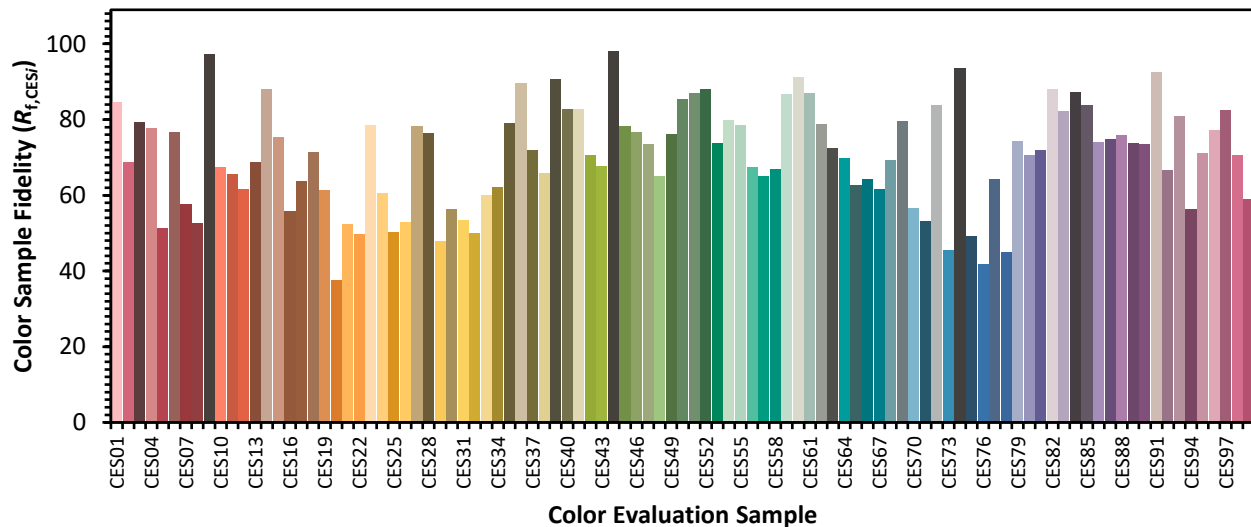


Color Vector Graphics

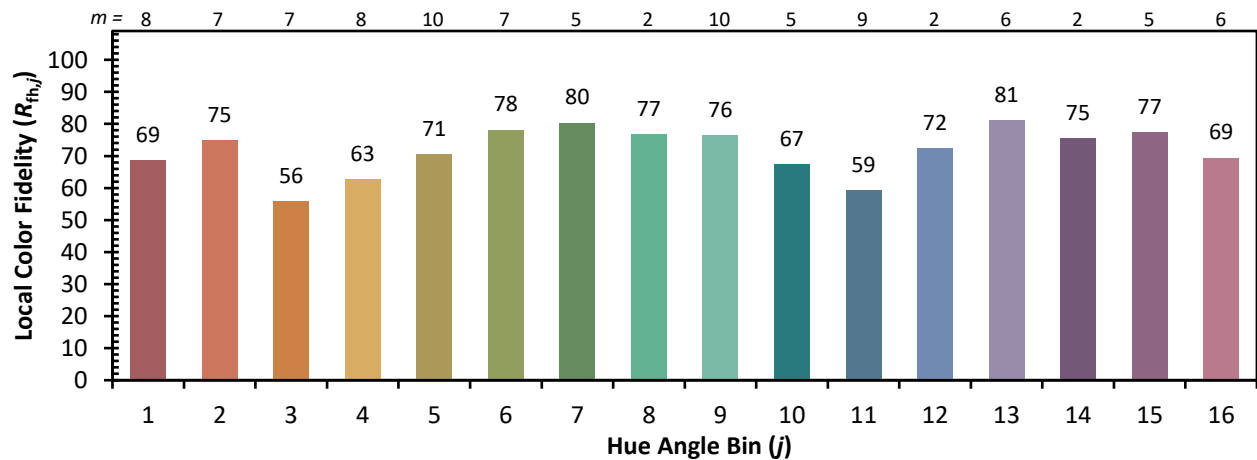
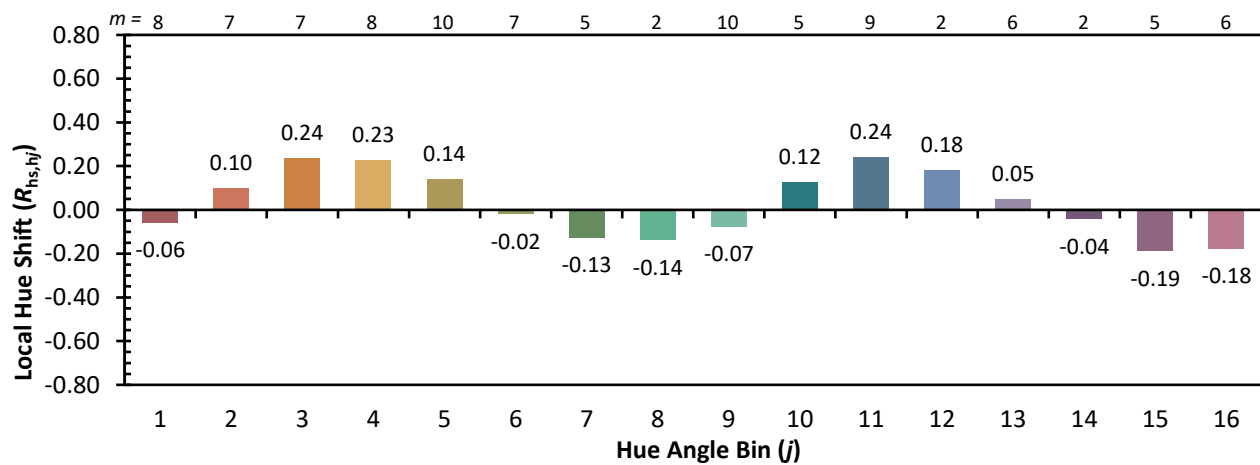
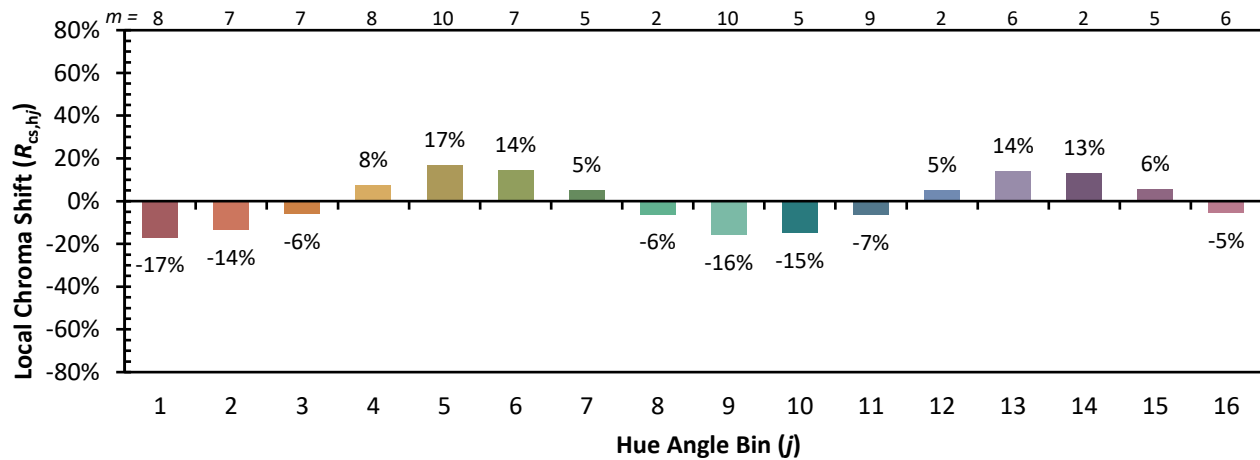


Individual Sample Fidelity Index ($R_{f,i}$)

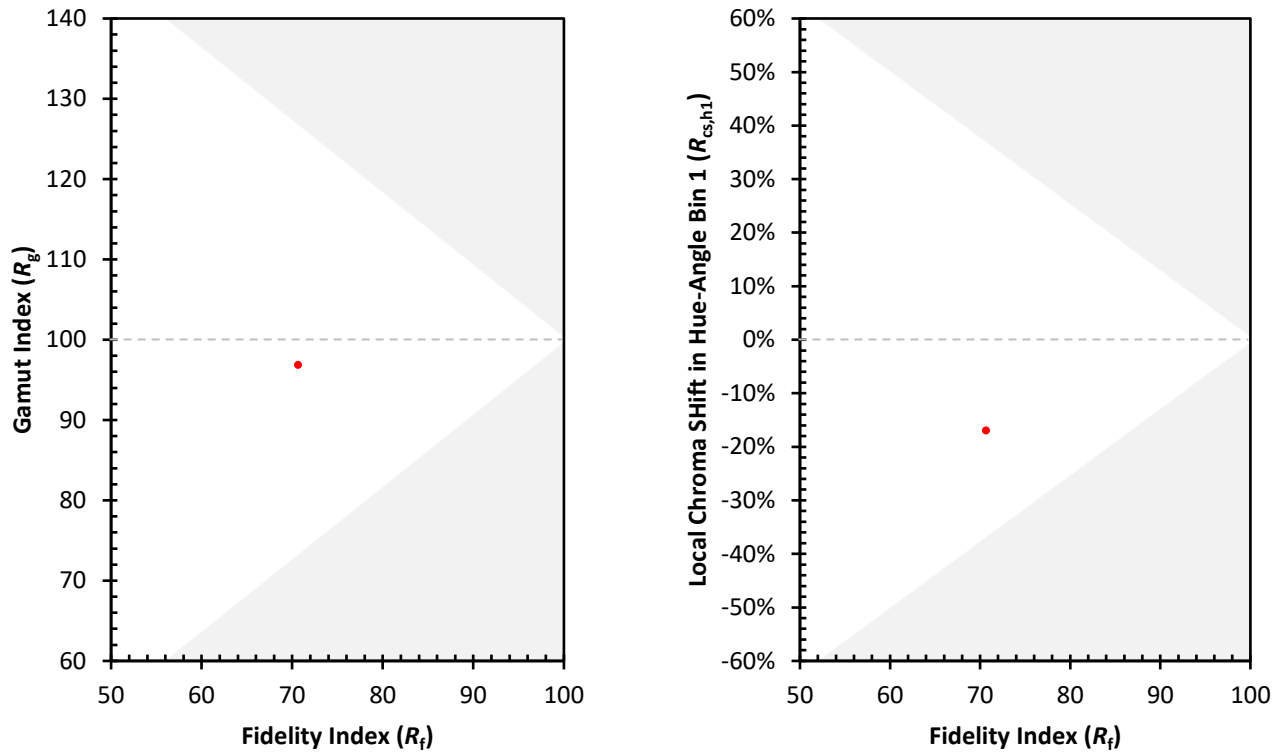
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82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