

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: P1066085

Luminaire Tested: **NVN-SA5A-750-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066085
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA5A-750-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17463.7 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 137.4
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

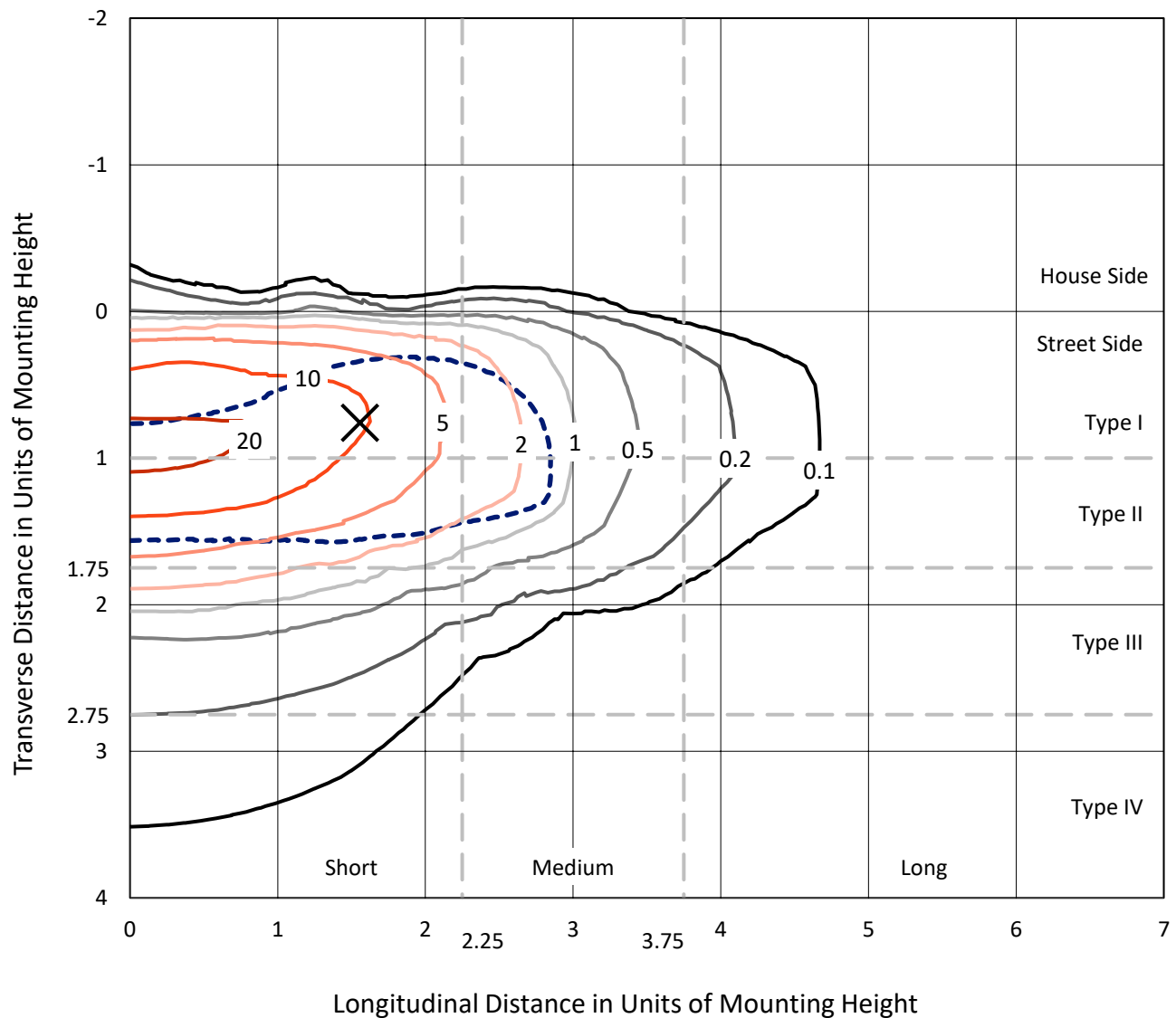


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

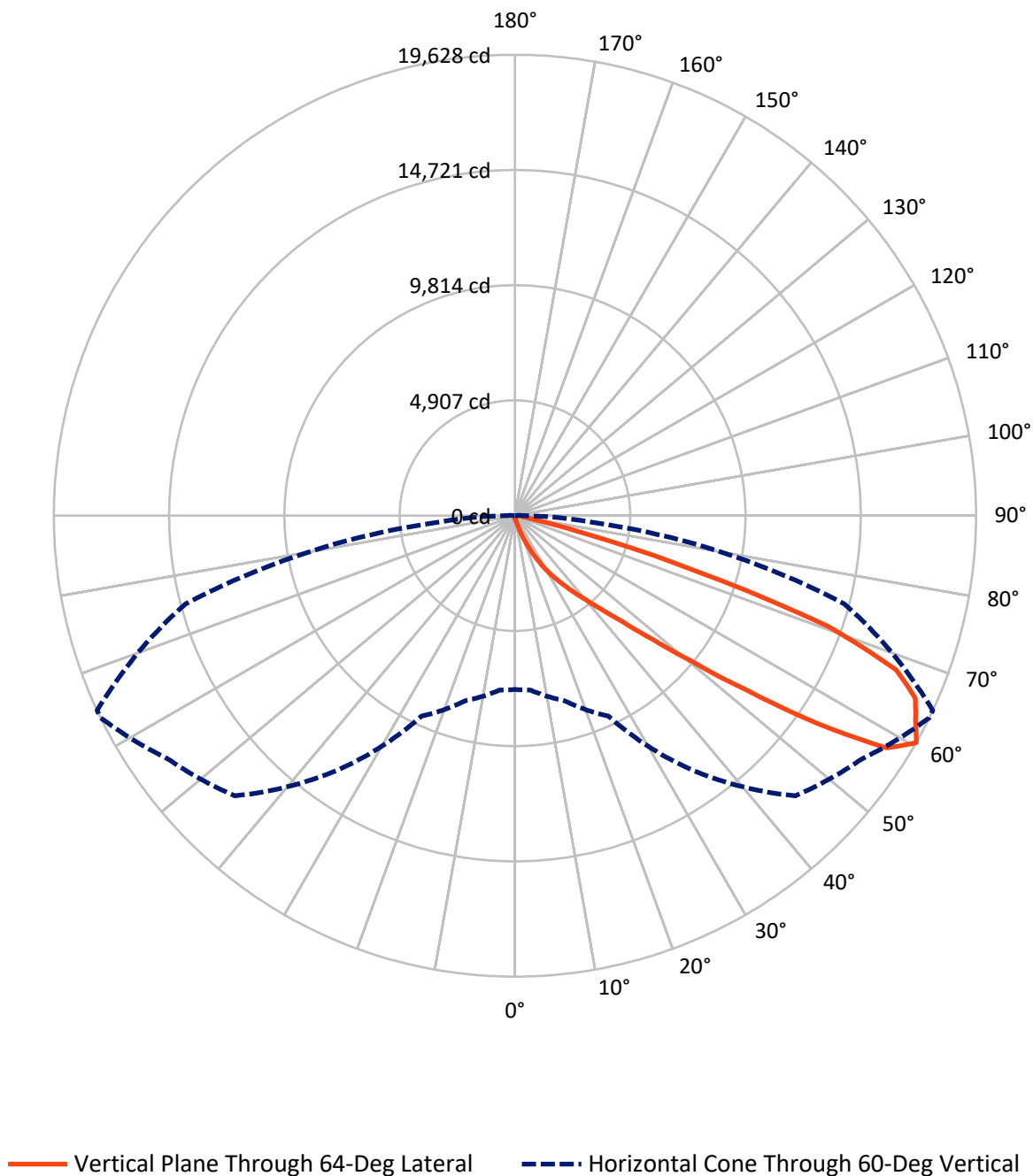


Based on 15 foot mounting height. Maximum calculated value = 25 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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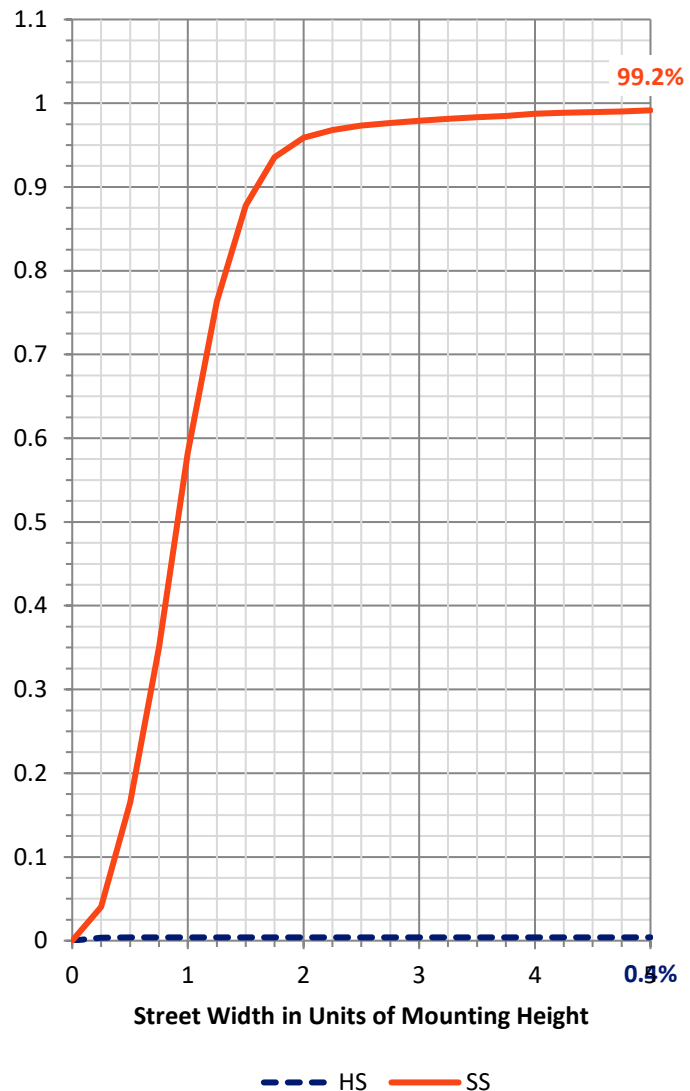
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	70.8	0.0	70.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17393.0	0.0	17393.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	17463.7	0.0	17463.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.1
10°-20°	171.6	1.0
20°-30°	570.0	3.3
30°-40°	1520.9	8.7
40°-50°	3865.7	22.1
50°-60°	5635.3	32.3
60°-70°	4352.7	24.9
70°-80°	1195.3	6.8
80°-90°	134.9	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°	17463.7	100.0
0°-180°	17463.7	100.0



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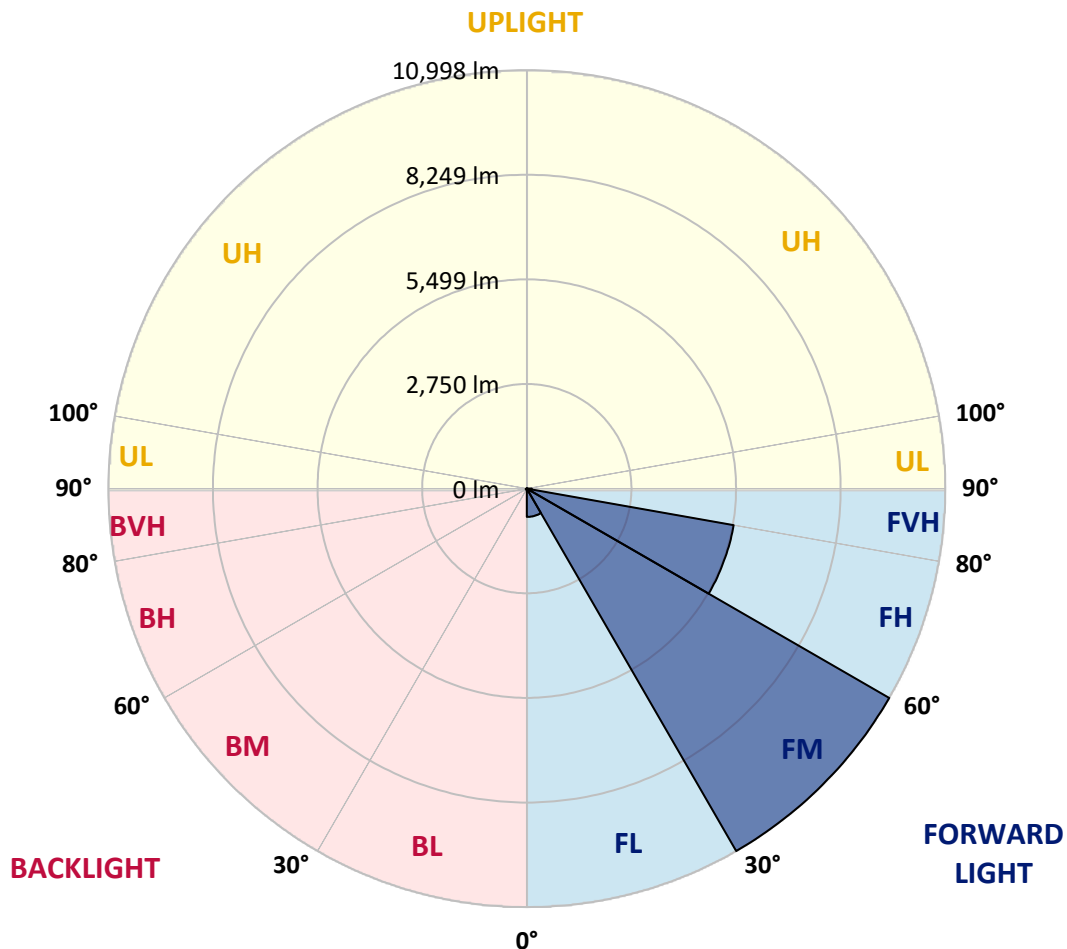
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	743.1	4.3			
FM	(30°-60°)	10998.3	63.0			
FH	(60°-80°)	5519.8	31.6			G3/7500
FVH	(80°-90°)	131.7	0.8			G2/225
BL	(0°-30°)	15.9	0.1	B0/110		
BM	(30°-60°)	23.5	0.1	B0/220		
BH	(60°-80°)	28.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.2	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4
2.5°	153.8	153.8	153.8	149.0	144.2	144.2	139.4	134.6	134.6	125.0	120.2
5°	235.6	235.6	225.9	216.3	201.9	182.7	163.4	149.0	149.0	134.6	125.0
7.5°	461.5	475.9	432.6	379.8	307.7	259.6	206.7	173.1	168.3	144.2	125.0
10°	999.9	990.3	923.0	793.2	624.9	451.9	288.4	211.5	201.9	153.8	125.0
12.5°	1504.6	1519.1	1447.0	1302.7	1100.8	802.8	495.1	274.0	264.4	168.3	125.0
15°	1937.3	1937.3	1889.2	1817.1	1596.0	1283.5	798.0	408.6	375.0	182.7	120.2
17.5°	2235.3	2230.5	2211.3	2192.1	2062.3	1740.2	1221.0	653.8	576.9	216.3	120.2
20°	2571.8	2557.4	2581.4	2543.0	2442.0	2187.3	1668.1	971.0	898.9	274.0	120.2
22.5°	2922.7	2937.2	2956.4	2917.9	2807.4	2586.2	2139.2	1379.7	1302.7	379.8	125.0
25°	3369.8	3360.2	3403.5	3369.8	3230.4	2970.8	2581.4	1826.7	1716.2	528.8	134.6
27.5°	3917.8	3898.6	3927.4	3840.9	3658.2	3393.8	2975.6	2283.4	2153.6	759.5	153.8
30°	4643.7	4658.1	4528.3	4427.4	4167.8	3816.9	3413.1	2773.7	2639.1	1033.5	173.1
32.5°	5787.8	5686.9	5485.0	5076.3	4735.0	4288.0	3850.5	3201.6	3081.4	1384.5	201.9
35°	7571.3	7590.5	7148.2	6138.7	5398.4	4879.3	4331.2	3672.7	3586.1	1783.5	240.4
37.5°	9744.1	9691.2	9301.8	8027.9	6369.5	5614.7	4879.3	4187.0	4062.0	2216.1	288.4
40°	12205.3	11984.2	11758.3	10893.0	8393.3	6537.7	5571.5	4783.1	4687.0	2716.0	365.3
42.5°	14176.3	14118.6	14157.0	13796.5	11767.9	8109.7	6489.6	5513.8	5398.4	3336.2	499.9
45°	15147.3	15065.6	15296.3	15565.5	15046.4	11455.4	7970.2	6446.4	6292.6	4066.8	706.7
47.5°	14887.7	14830.0	15325.2	15854.0	16546.2	15334.8	10388.2	7840.5	7576.1	5004.2	1014.3
50°	13609.0	13613.8	14426.2	15411.7	16507.7	17300.9	13969.6	9748.9	9417.2	6249.3	1495.0
52.5°	12364.0	12402.4	13262.9	14700.3	15935.7	17531.7	17113.4	12320.7	11782.3	7715.5	2062.3
55°	11085.3	11104.5	11864.0	13887.8	15666.5	16844.2	18728.6	15632.8	15060.8	9542.2	2615.1
57.5°	9854.6	9854.6	10138.3	11936.1	15373.3	16781.7	18536.4	18661.3	18195.0	11628.5	3023.7
60°	7403.0	7451.1	8157.7	9417.2	13258.1	16873.1	18046.0	19627.6	19627.6	14522.4	3336.2
62.5°	3740.0	3812.1	4691.8	5917.6	9095.1	15613.6	18122.9	19142.1	19219.0	17075.0	4047.6
65°	1754.6	1836.3	2307.4	3172.7	4893.7	10989.1	17325.0	18728.6	18704.6	16589.5	5547.4
67.5°	1259.5	1283.5	1442.1	1850.8	2634.3	4816.8	13224.5	17493.2	17502.8	14094.6	6379.1
70°	1129.7	1129.7	1168.1	1288.3	1586.4	2153.6	6427.2	14166.7	14854.1	10883.4	5912.8
72.5°	1115.3	1105.6	1096.0	1100.8	1072.0	1081.6	2206.5	7999.1	8979.7	7614.5	4715.8
75°	1086.4	1086.4	1076.8	1043.2	855.7	697.0	759.5	3235.2	3740.0	5086.0	3499.6
77.5°	860.5	947.0	1048.0	985.5	783.6	524.0	442.3	937.4	1182.6	3119.8	2538.2
80°	399.0	403.8	399.0	418.2	499.9	375.0	326.9	456.7	461.5	1730.6	1571.9
82.5°	288.4	293.2	278.8	250.0	221.1	201.9	269.2	336.5	360.5	793.2	586.5
85°	86.5	81.7	96.1	129.8	153.8	177.9	225.9	283.6	298.0	293.2	86.5
87.5°	38.5	38.5	48.1	67.3	91.3	134.6	197.1	259.6	264.4	302.9	24.0
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-SA5A-750-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4	115.4
2.5°	120.2	115.4	110.6	105.8	101.0	96.1	91.3	91.3	96.1	96.1	96.1
5°	115.4	110.6	101.0	91.3	86.5	81.7	76.9	76.9	81.7	81.7	81.7
7.5°	115.4	105.8	96.1	86.5	76.9	72.1	67.3	67.3	67.3	72.1	72.1
10°	115.4	105.8	91.3	76.9	67.3	62.5	57.7	52.9	57.7	57.7	57.7
12.5°	110.6	101.0	86.5	72.1	57.7	48.1	43.3	43.3	43.3	43.3	43.3
15°	105.8	96.1	81.7	62.5	48.1	38.5	28.8	28.8	28.8	33.7	33.7
17.5°	101.0	91.3	72.1	48.1	33.7	24.0	19.2	19.2	19.2	24.0	24.0
20°	101.0	86.5	62.5	38.5	24.0	14.4	9.6	9.6	9.6	14.4	19.2
22.5°	101.0	86.5	57.7	28.8	14.4	9.6	4.8	4.8	4.8	4.8	4.8
25°	101.0	81.7	52.9	24.0	9.6	4.8	0.0	0.0	4.8	9.6	14.4
27.5°	101.0	76.9	43.3	14.4	9.6	4.8	0.0	4.8	9.6	9.6	9.6
30°	101.0	76.9	38.5	14.4	4.8	0.0	0.0	4.8	9.6	9.6	14.4
32.5°	105.8	72.1	33.7	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	110.6	67.3	28.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	120.2	67.3	19.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	134.6	72.1	19.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	168.3	76.9	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	235.6	96.1	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	346.1	144.2	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	504.8	197.1	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	620.1	197.1	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	615.3	125.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	471.1	86.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	399.0	62.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	480.7	48.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	855.7	43.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1374.8	43.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1538.3	43.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1201.8	38.5	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	658.6	33.7	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	331.7	24.0	9.6	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	139.4	19.2	9.6	4.8	4.8	4.8	0.0	0.0	0.0	0.0	0.0
82.5°	48.1	19.2	9.6	9.6	4.8	4.8	0.0	0.0	0.0	0.0	0.0
85°	24.0	14.4	14.4	9.6	9.6	4.8	4.8	0.0	0.0	0.0	0.0
87.5°	14.4	14.4	14.4	9.6	9.6	4.8	4.8	0.0	0.0	0.0	4.8
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

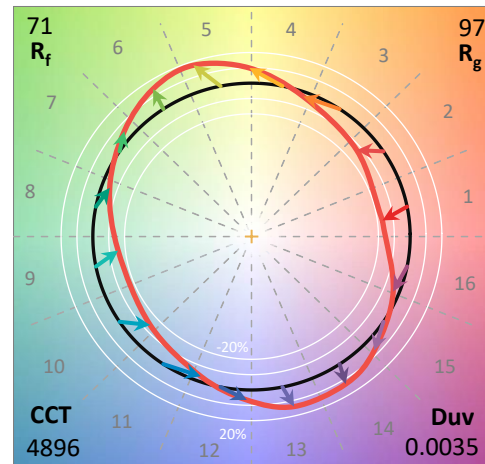
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

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

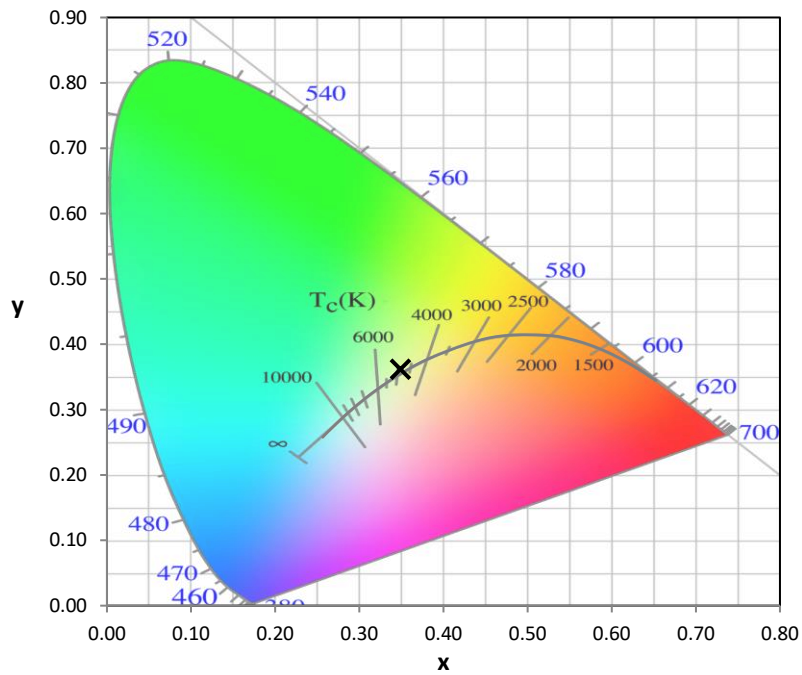
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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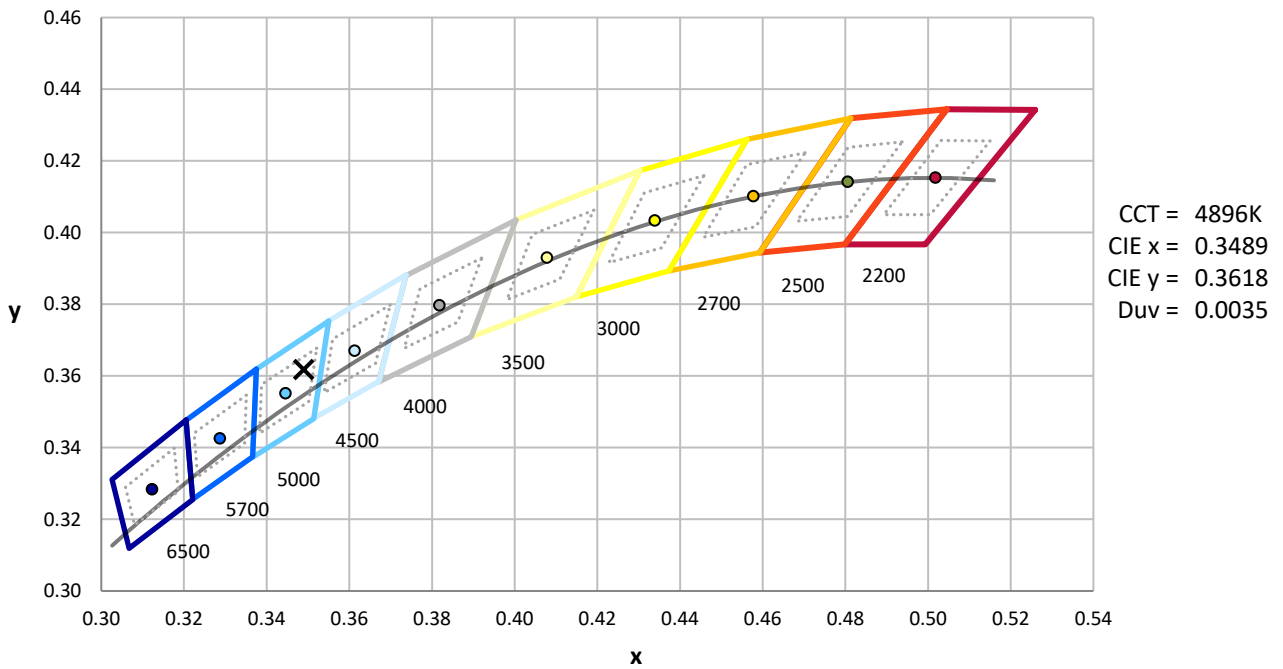
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



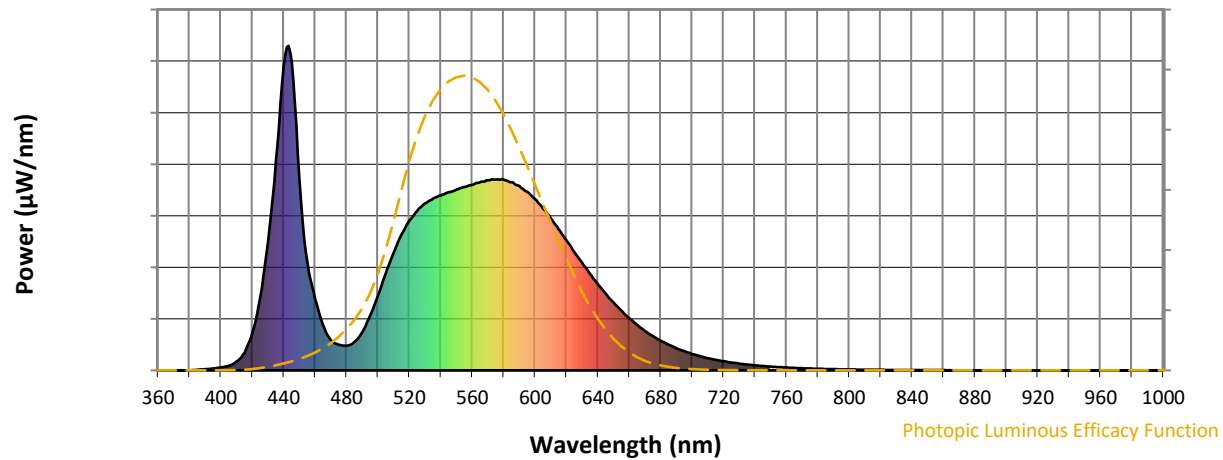
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

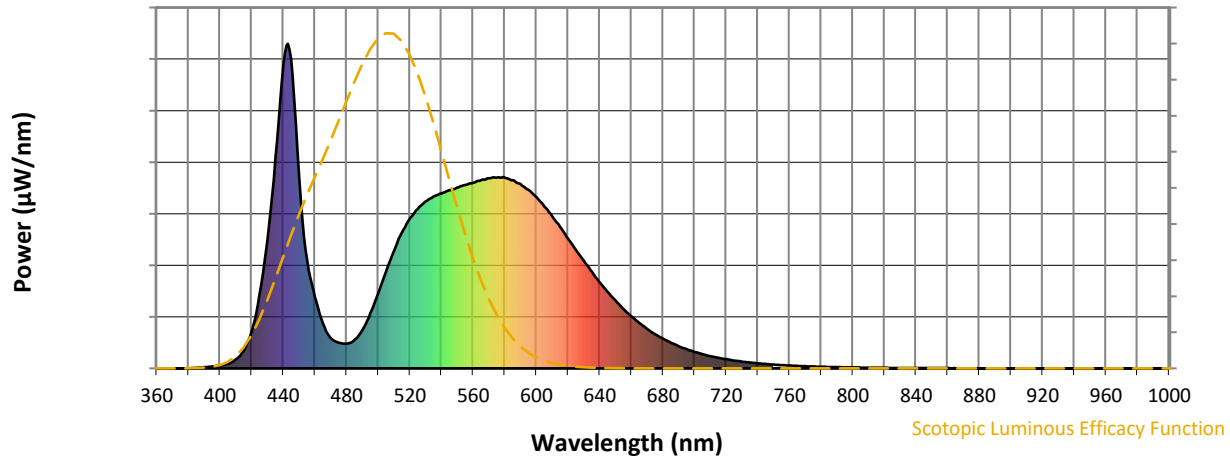


Photopic Lumens: NR

λ (nm)	Power 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



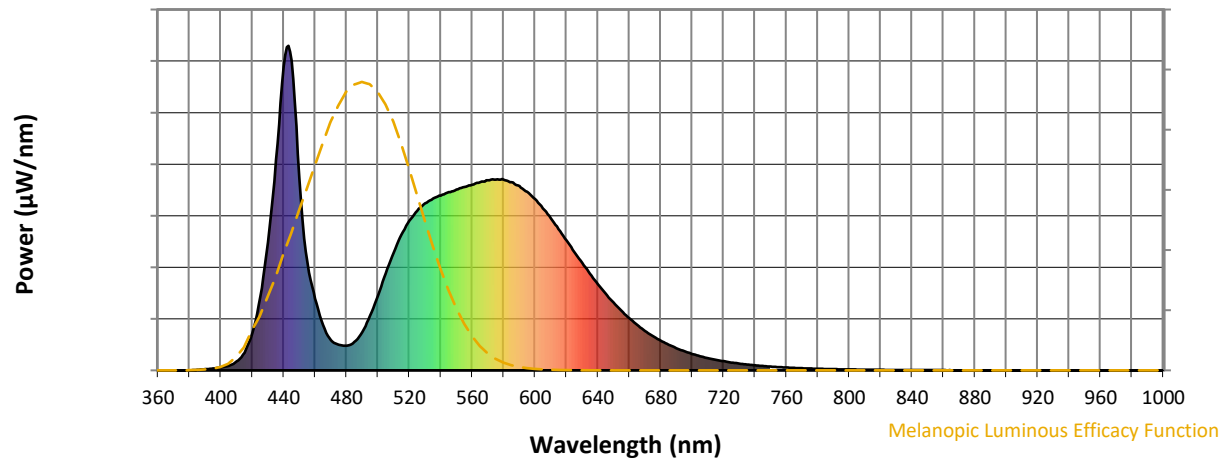
Scotopic Lumens: NR

S/P: 1.7

λ (nm)	Power W [^] /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

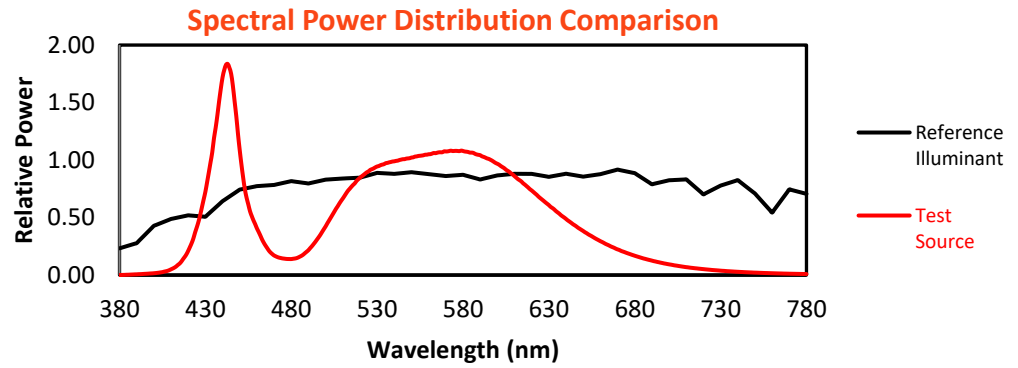
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	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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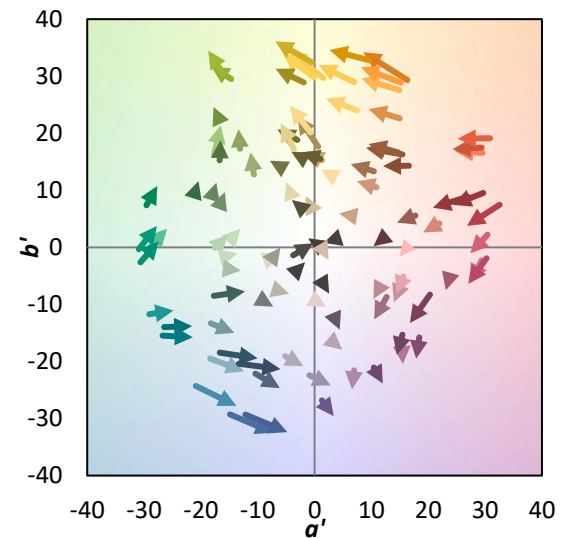
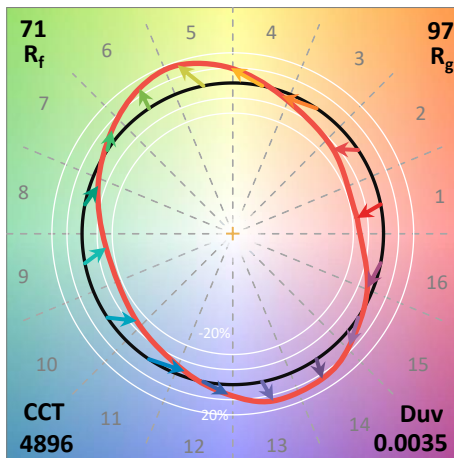
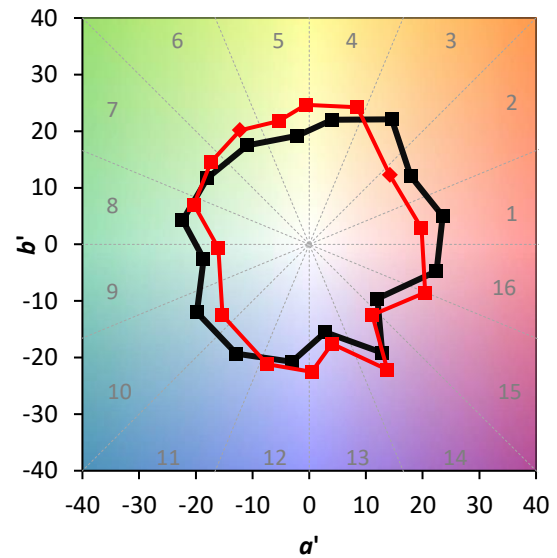
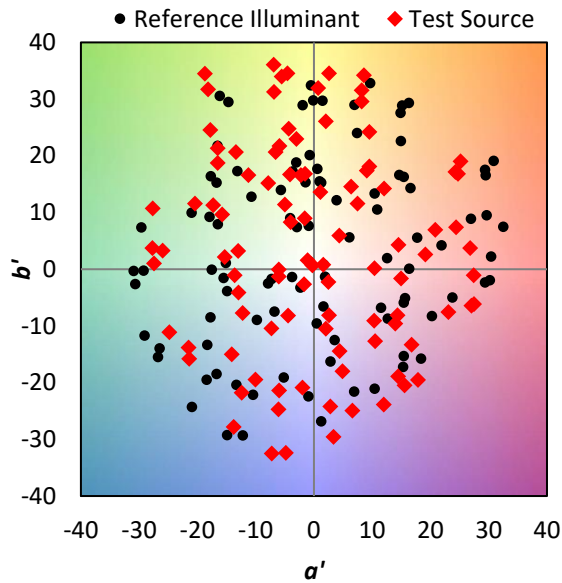
TM-30-18

Summary

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

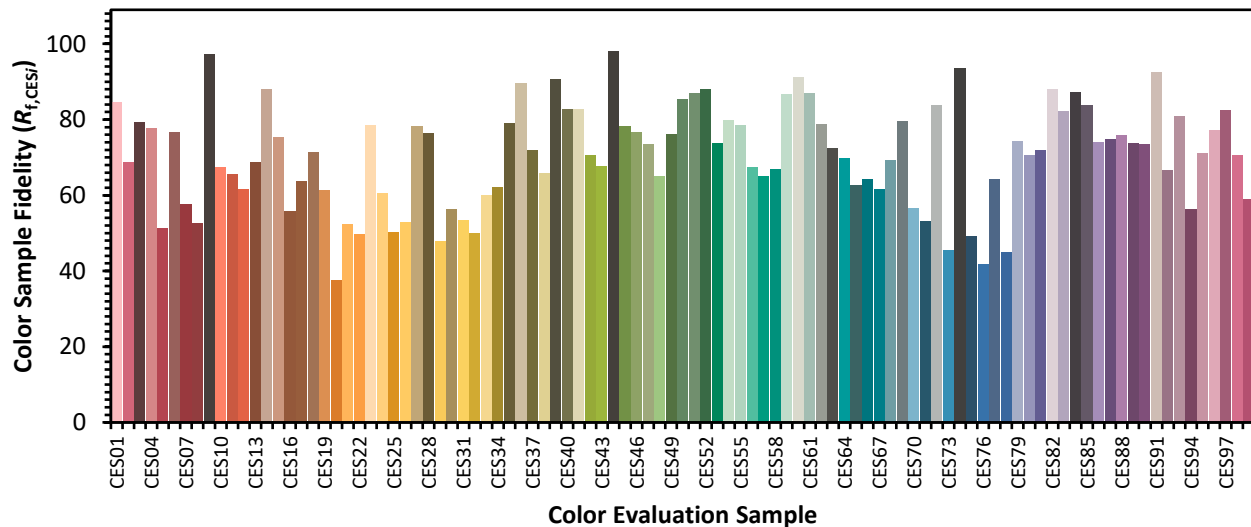


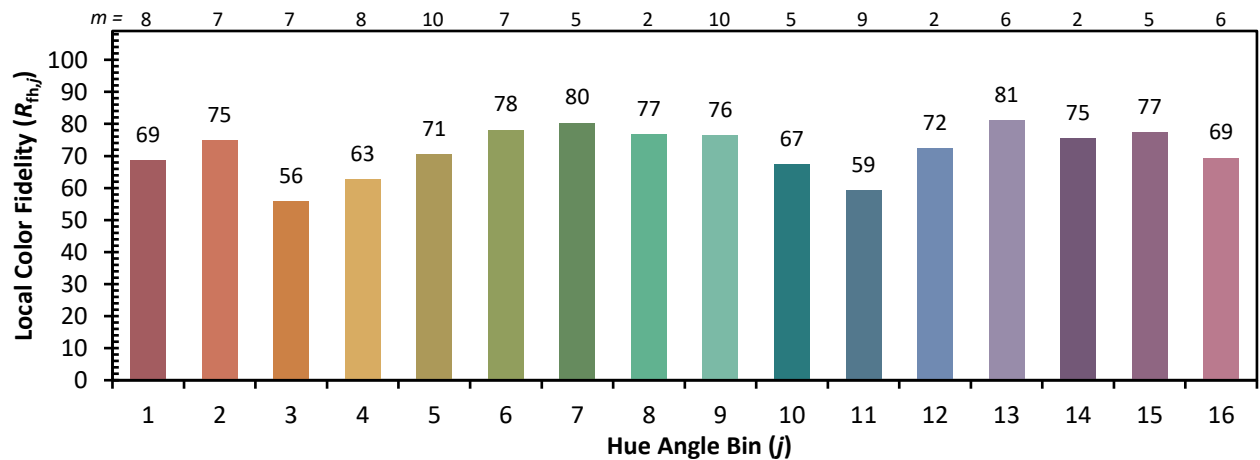
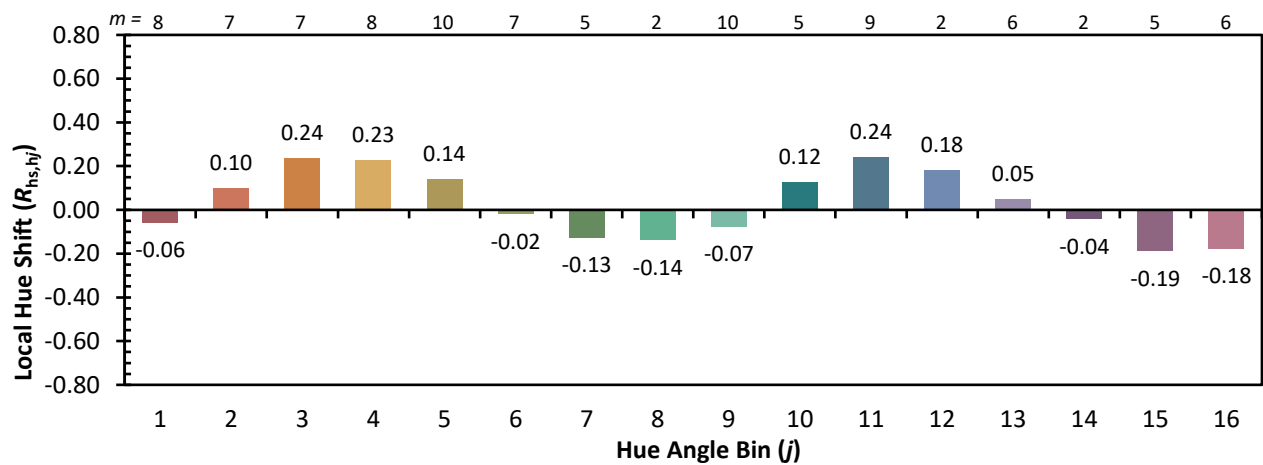
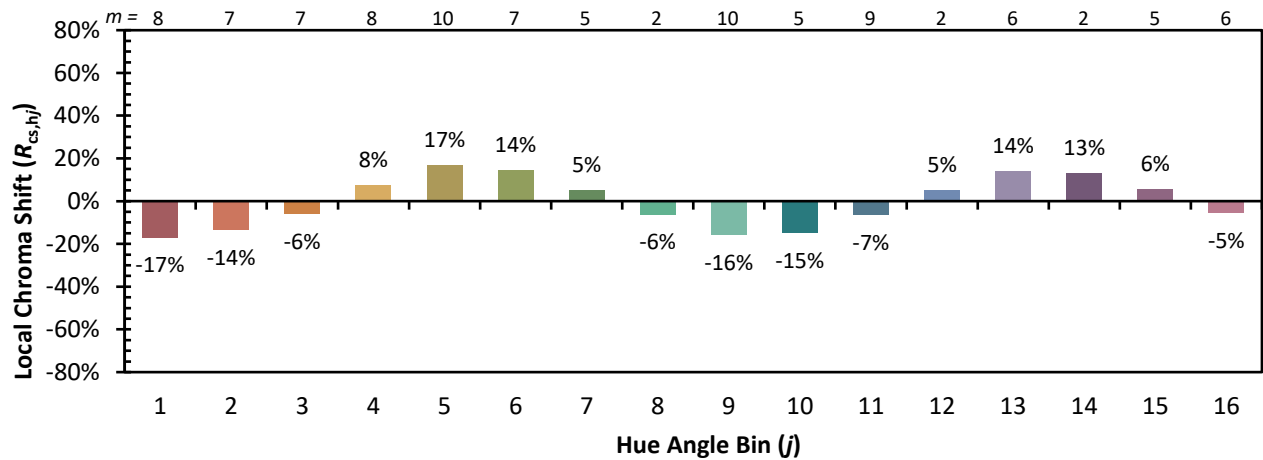
Color Vector Graphics



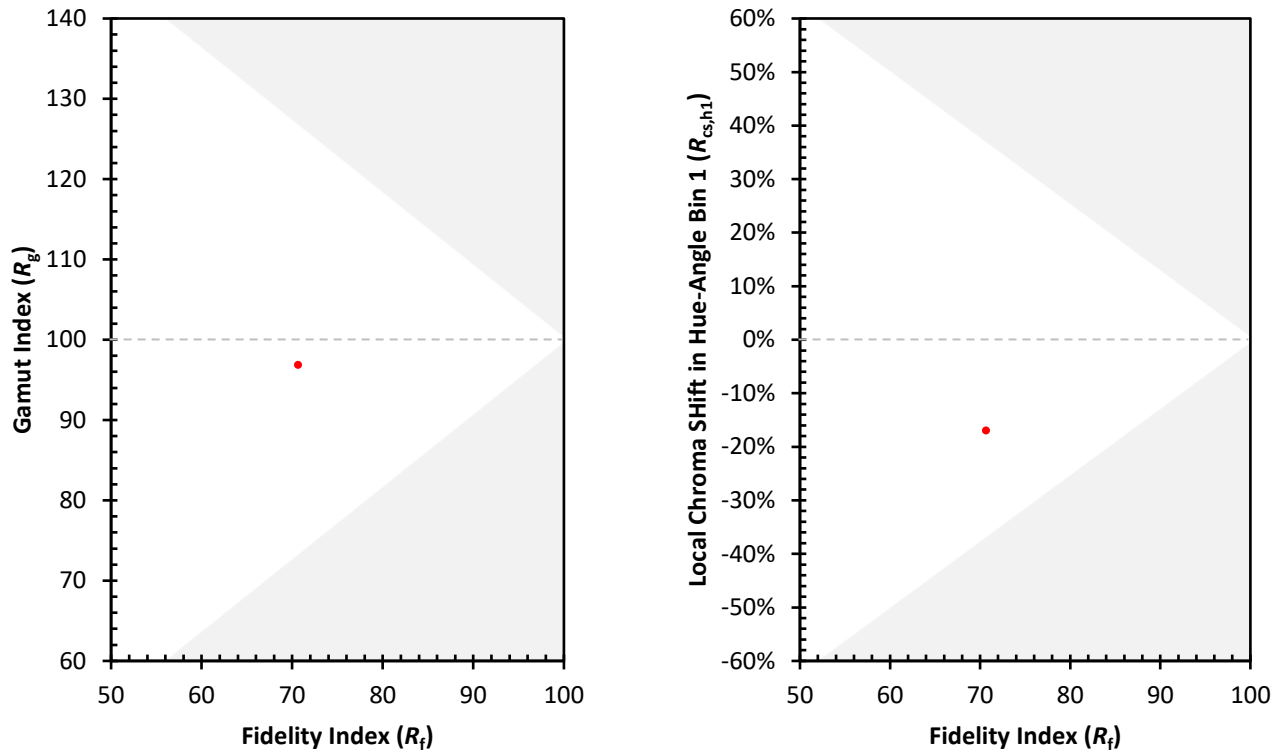
Individual Sample Fidelity Index ($R_{f,i}$)

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)