

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: P1065845

Luminaire Tested: **NVN-SA5A-750-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065845
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-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18520 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

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



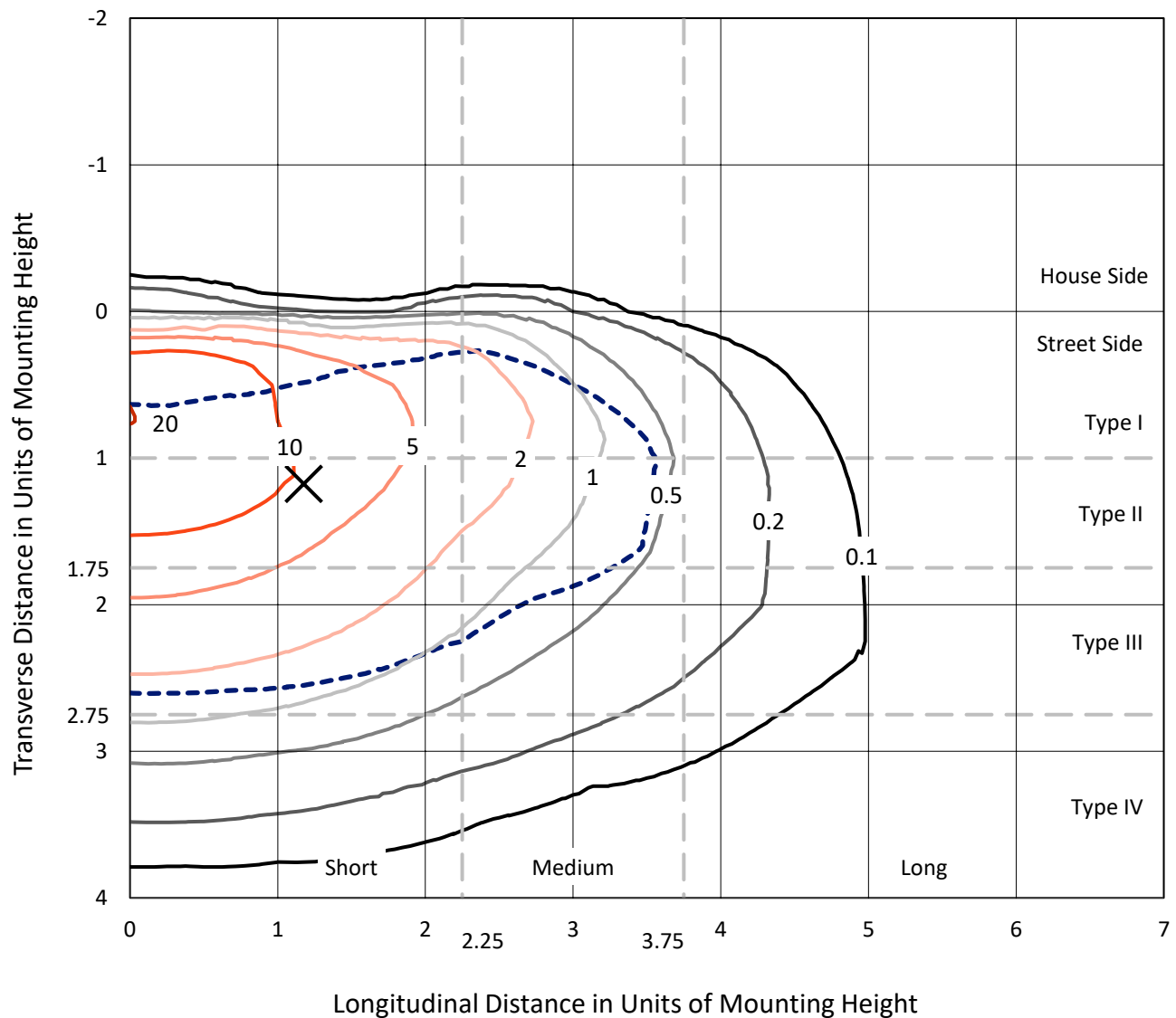
REPORT NUMBER: P1065845

CATALOG NUMBER: NVN-SA5A-750-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

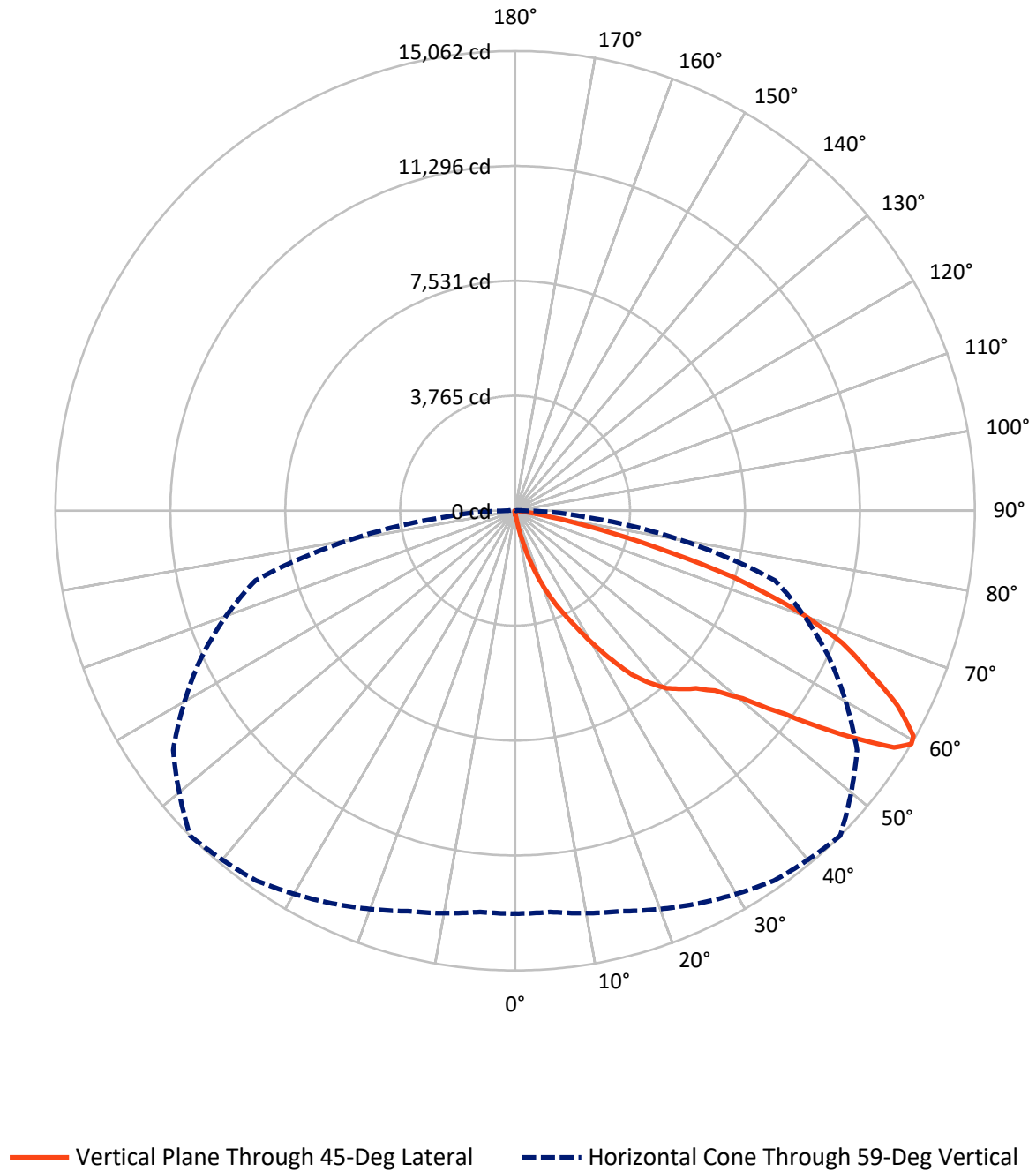


Based on 15 foot mounting height. Maximum calculated value = 20.2 fc
 Type III - Short - N/A

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CATALOG NUMBER: NVN-SA5A-750-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	65.7	0.0	65.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	18454.3	0.0	18454.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	18520.0	0.0	18520.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.1
10°-20°	204.7	1.1
20°-30°	735.5	4.0
30°-40°	1709.1	9.2
40°-50°	2913.1	15.7
50°-60°	4800.0	25.9
60°-70°	5549.9	30.0
70°-80°	2384.4	12.9
80°-90°	206.0	1.1
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°	18520.0	100.0
0°-180°	18520.0	100.0



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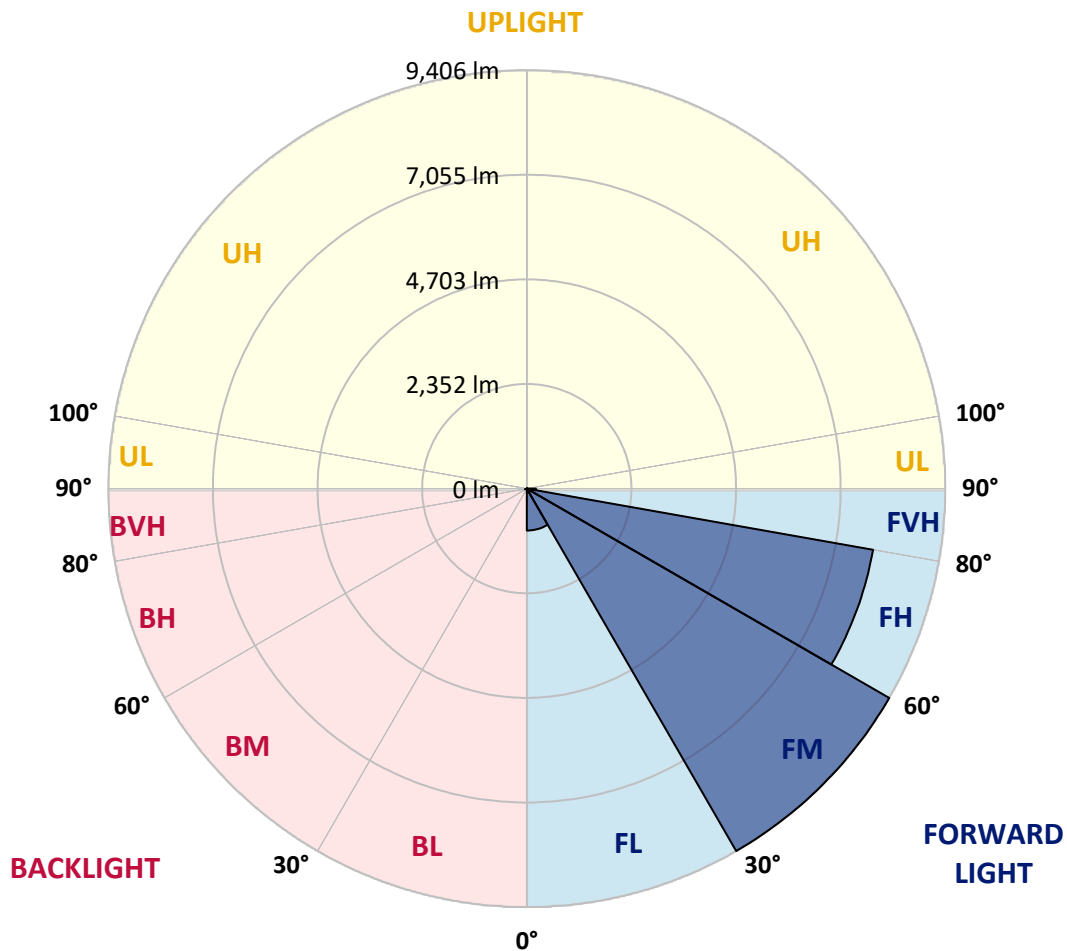
CATALOG NUMBER: NVN-SA5A-750-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	941.2	5.1			
FM	(30°-60°)	9406.4	50.8			
FH	(60°-80°)	7903.4	42.7			G4/12000
FVH	(80°-90°)	203.4	1.1			G2/225
BL	(0°-30°)	16.2	0.1	B0/110		
BM	(30°-60°)	15.9	0.1	B0/220		
BH	(60°-80°)	30.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1
2.5°	151.9	151.9	148.2	143.2	142.0	138.2	138.2	134.5	129.5	125.8	120.8
5°	220.4	219.2	209.2	196.8	180.6	170.6	170.6	156.9	144.5	133.2	123.3
7.5°	481.9	470.7	434.6	374.8	296.4	244.1	240.3	195.5	165.6	143.2	124.5
10°	1105.8	1067.2	1016.2	873.0	645.1	450.8	442.1	285.2	198.0	154.4	127.0
12.5°	1811.9	1843.0	1740.9	1515.5	1249.0	929.0	866.7	480.7	261.5	169.4	129.5
15°	2454.5	2447.0	2389.7	2205.4	1897.8	1471.9	1433.3	835.6	374.8	193.0	132.0
17.5°	2935.2	2926.4	2871.6	2753.3	2516.7	2090.8	2057.2	1332.5	587.8	226.6	134.5
20°	3442.0	3430.8	3353.6	3258.9	3052.2	2689.8	2650.0	1887.9	920.3	281.4	134.5
22.5°	4049.7	4028.5	3946.3	3785.7	3567.8	3252.7	3216.6	2455.7	1332.5	371.1	140.7
25°	4784.4	4748.3	4635.0	4490.5	4227.8	3809.4	3770.7	3088.3	1829.3	506.8	146.9
27.5°	5622.5	5628.7	5475.6	5231.5	4879.1	4451.9	4379.7	3654.9	2343.6	701.1	154.4
30°	6617.5	6555.2	6339.8	6055.9	5713.4	5169.2	5099.5	4219.1	2921.5	987.5	166.9
32.5°	7549.0	7481.7	7191.6	6834.2	6466.8	5892.7	5835.4	4852.9	3447.0	1326.2	189.3
35°	8348.4	8301.1	7895.2	7459.3	7133.0	6620.0	6602.5	5560.2	4064.6	1691.1	214.2
37.5°	9052.0	8966.1	8444.3	7992.3	7661.0	7201.5	7164.2	6207.8	4659.9	2114.5	251.5
40°	9652.3	9604.9	8968.6	8374.6	8105.6	7694.7	7647.3	6775.6	5275.1	2606.4	297.6
42.5°	10294.8	10232.6	9614.9	8948.7	8453.1	8013.5	7982.3	7243.9	5823.0	3146.9	366.1
45°	11020.8	10905.0	10363.3	9765.6	9012.2	8343.5	8308.6	7661.0	6384.6	3727.2	449.6
47.5°	11796.7	11695.8	11257.5	10837.8	9971.1	8887.7	8812.9	8016.0	6942.5	4397.1	555.4
50°	12586.2	12588.7	12259.9	12058.2	11142.9	9771.8	9666.0	8537.7	7529.0	5114.4	712.3
52.5°	13505.2	13528.9	13523.9	13374.4	12664.6	11217.6	11075.6	9329.7	8210.2	5951.3	929.0
55°	13890.0	13932.3	14207.5	14538.8	14345.8	13050.7	12898.7	10695.8	9113.1	6884.0	1250.3
57.5°	13574.9	13622.3	14002.1	14582.4	15025.7	14655.9	14638.4	12474.1	10302.3	8014.7	1775.8
59°	13200.1	13193.9	13583.7	14198.8	14796.6	15036.9	15061.8	13677.1	11338.4	8808.0	2229.1
60°	12951.0	12956.0	13215.1	13846.4	14481.5	14898.7	14995.8	14385.6	11943.6	9378.3	2617.6
62.5°	11989.7	12047.0	12252.4	12839.0	13441.7	13907.4	14073.1	15017.0	13675.8	10725.7	3968.7
65°	10944.9	10948.6	11241.3	11743.1	12320.9	12648.4	12753.0	14034.5	14832.7	12098.0	5740.8
67.5°	9080.7	9156.6	9489.1	10302.3	11065.7	11480.4	11560.1	12216.3	14353.2	12992.1	6628.7
70°	6354.7	6454.4	6928.8	7983.6	9120.5	9801.7	9796.7	10155.4	12632.3	12593.6	5620.0
72.5°	3173.0	3344.9	3732.1	4861.6	6238.9	7308.6	7534.0	8169.1	10147.9	10460.5	4192.9
75°	1402.2	1412.2	1632.6	2201.7	3100.8	4459.4	4661.1	6484.2	7785.6	7270.0	3028.6
77.5°	815.7	823.1	863.0	988.8	1256.5	2185.5	2412.1	4252.7	5501.7	4225.3	1975.0
80°	296.4	303.9	302.6	374.8	550.4	860.5	958.9	2061.0	3669.9	2225.3	1034.8
82.5°	181.8	181.8	175.6	176.8	200.5	330.0	361.1	877.9	1787.0	1095.9	296.4
85°	89.7	94.6	100.9	113.3	134.5	163.1	173.1	251.5	601.5	265.2	71.0
87.5°	53.5	54.8	59.8	72.2	89.7	117.1	124.5	170.6	215.4	178.1	17.4
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-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1
2.5°	118.3	117.1	110.8	105.8	100.9	95.9	92.2	88.4	88.4	89.7	88.4
5°	118.3	113.3	103.4	94.6	87.2	80.9	74.7	69.7	68.5	68.5	69.7
7.5°	117.1	110.8	97.1	85.9	76.0	67.2	61.0	54.8	53.5	54.8	53.5
10°	115.8	108.3	92.2	78.5	64.8	56.0	47.3	41.1	41.1	41.1	42.3
12.5°	115.8	104.6	87.2	71.0	56.0	46.1	37.4	31.1	29.9	29.9	29.9
15°	114.6	102.1	82.2	62.3	47.3	34.9	27.4	21.2	21.2	21.2	21.2
17.5°	112.1	98.4	76.0	54.8	37.4	26.2	18.7	12.5	12.5	14.9	14.9
20°	109.6	94.6	68.5	44.8	31.1	19.9	12.5	7.5	7.5	11.2	12.5
22.5°	110.8	94.6	63.5	39.8	24.9	14.9	10.0	6.2	5.0	8.7	11.2
25°	112.1	92.2	57.3	34.9	18.7	11.2	7.5	2.5	1.2	2.5	3.7
27.5°	112.1	89.7	49.8	27.4	13.7	8.7	3.7	0.0	0.0	0.0	0.0
30°	110.8	85.9	43.6	22.4	10.0	5.0	1.2	0.0	0.0	0.0	0.0
32.5°	109.6	82.2	39.8	17.4	8.7	2.5	0.0	0.0	0.0	0.0	0.0
35°	110.8	77.2	34.9	13.7	5.0	0.0	0.0	0.0	0.0	0.0	2.5
37.5°	114.6	72.2	29.9	11.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	119.5	68.5	24.9	8.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	129.5	68.5	22.4	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	142.0	68.5	18.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	158.2	69.7	16.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	178.1	72.2	14.9	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	193.0	69.7	13.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	219.2	67.2	12.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	254.0	63.5	12.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	288.9	58.5	12.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	328.8	56.0	11.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	542.9	49.8	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1048.5	47.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1694.8	47.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1782.0	47.3	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1185.5	38.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	635.1	34.9	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	342.5	32.4	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	150.7	23.7	6.2	3.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	59.8	16.2	7.5	6.2	5.0	2.5	0.0	0.0	0.0	0.0	0.0
85°	28.6	12.5	10.0	8.7	6.2	3.7	0.0	0.0	0.0	0.0	0.0
87.5°	13.7	12.5	11.2	10.0	8.7	6.2	1.2	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

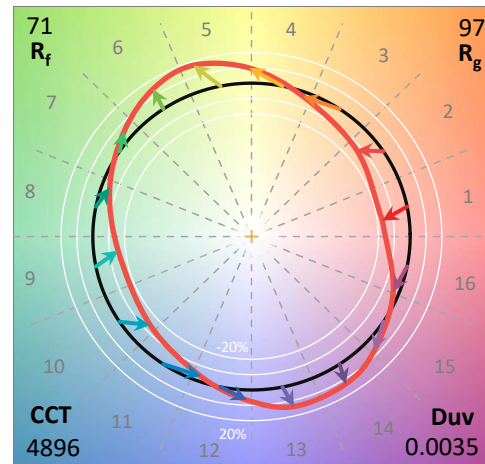
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

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

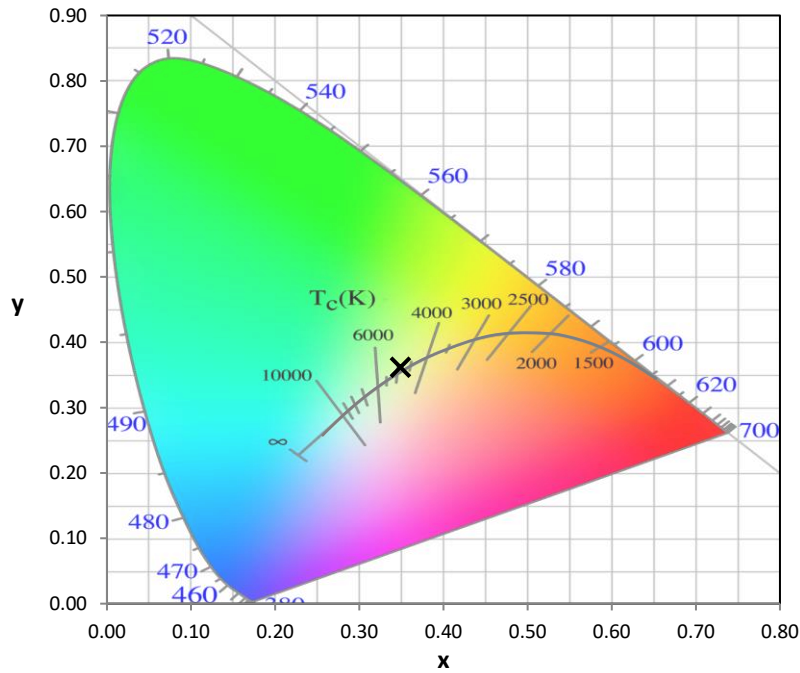
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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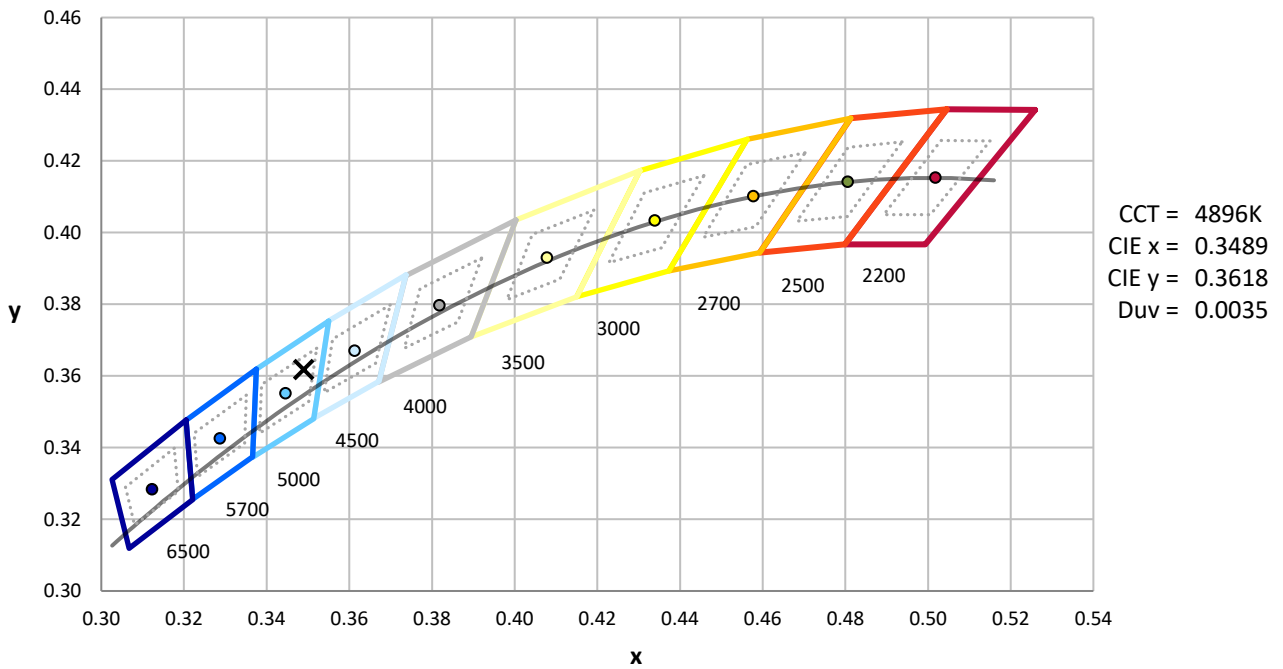
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



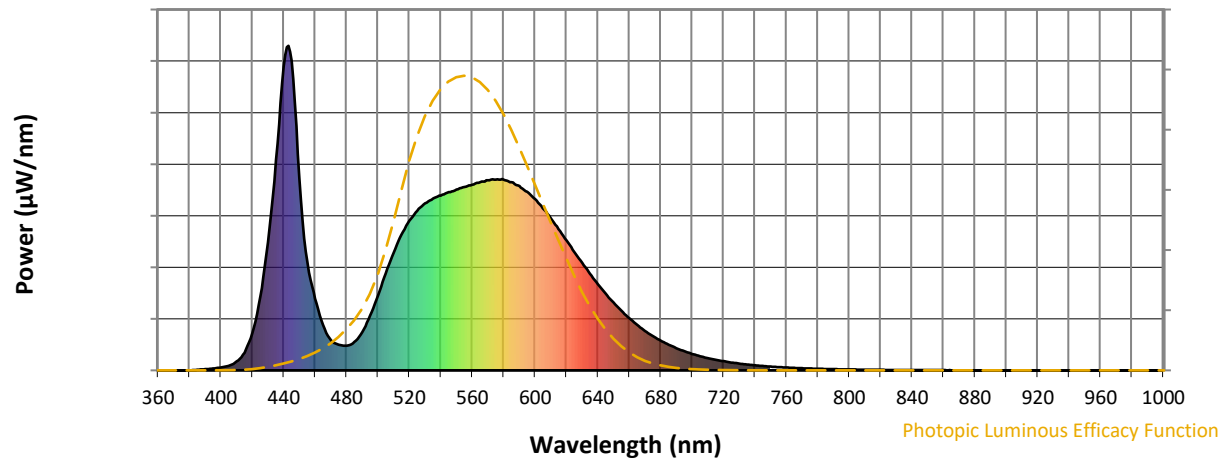
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

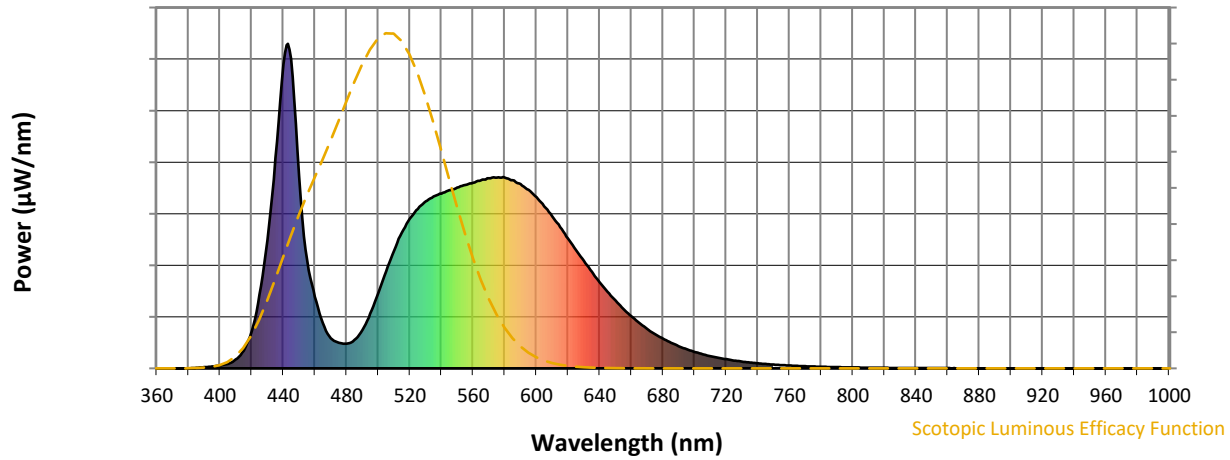


Photopic Lumens: NR

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



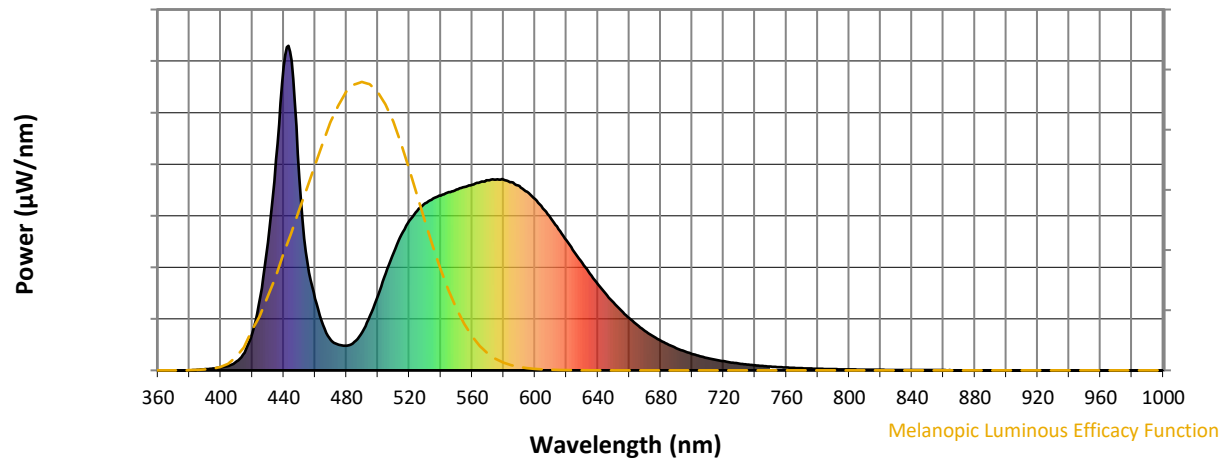
Scotopic Lumens: NR

S/P: 1.7

λ (nm)	Power W ^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

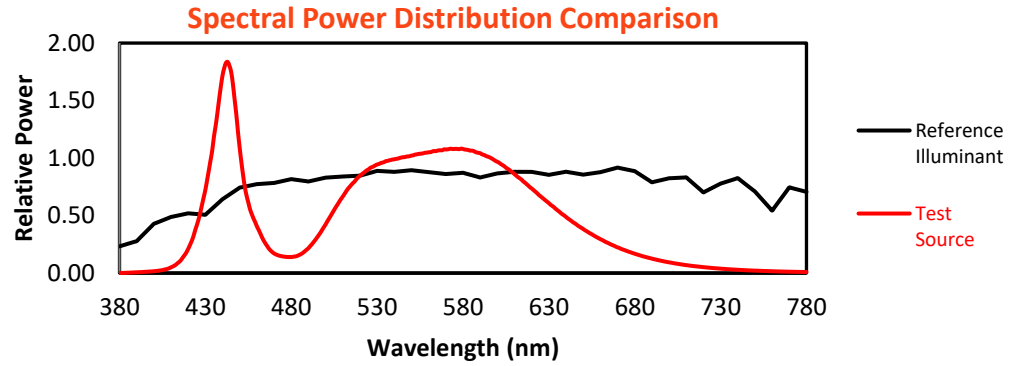
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401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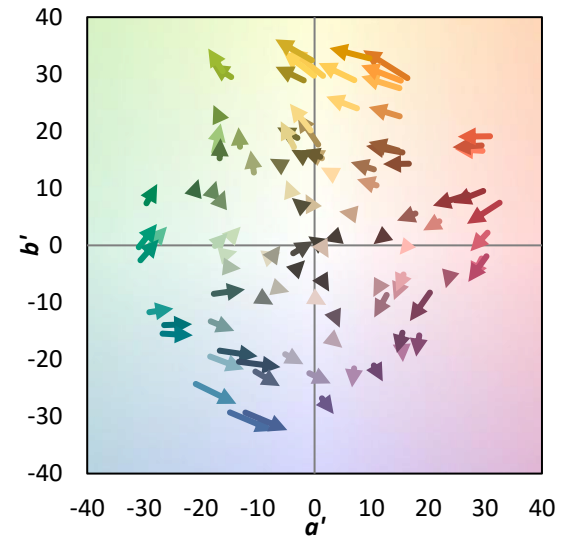
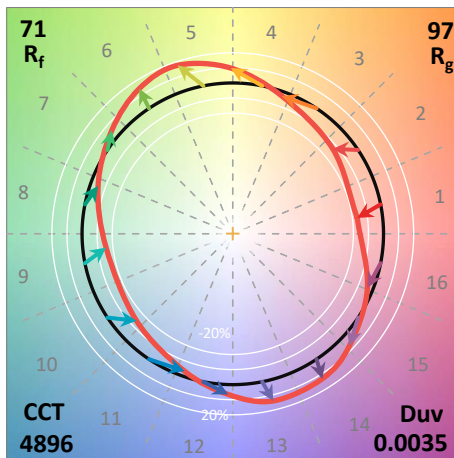
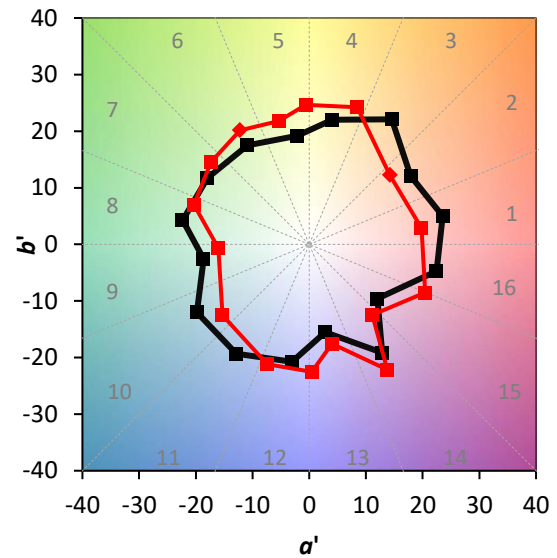
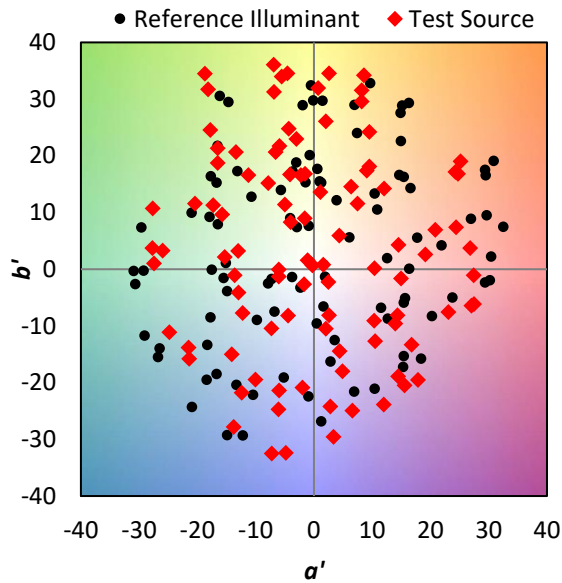
TM-30-18

Summary

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

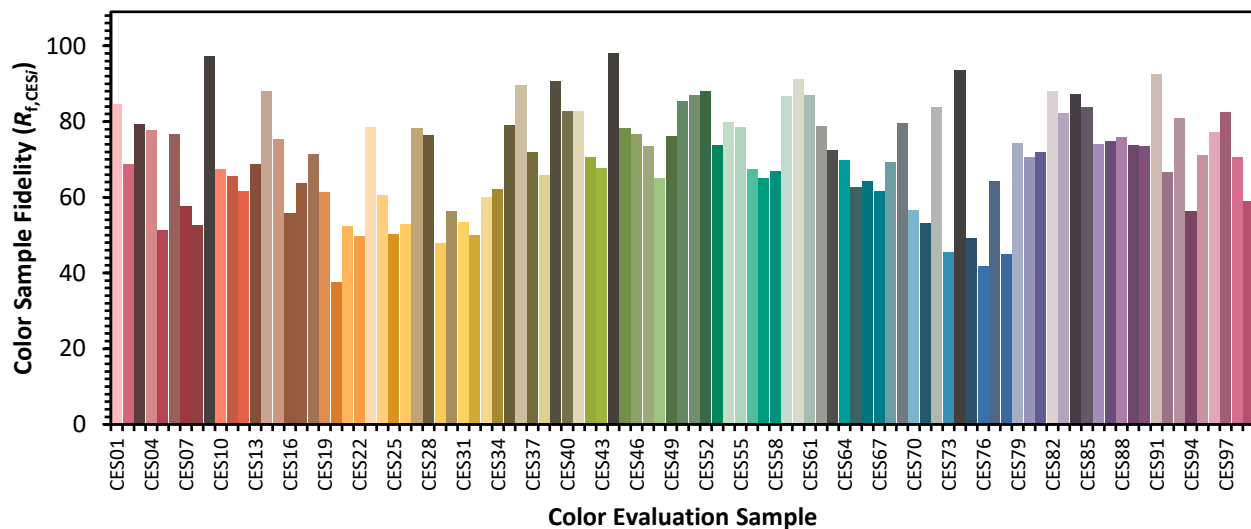


Color Vector Graphics

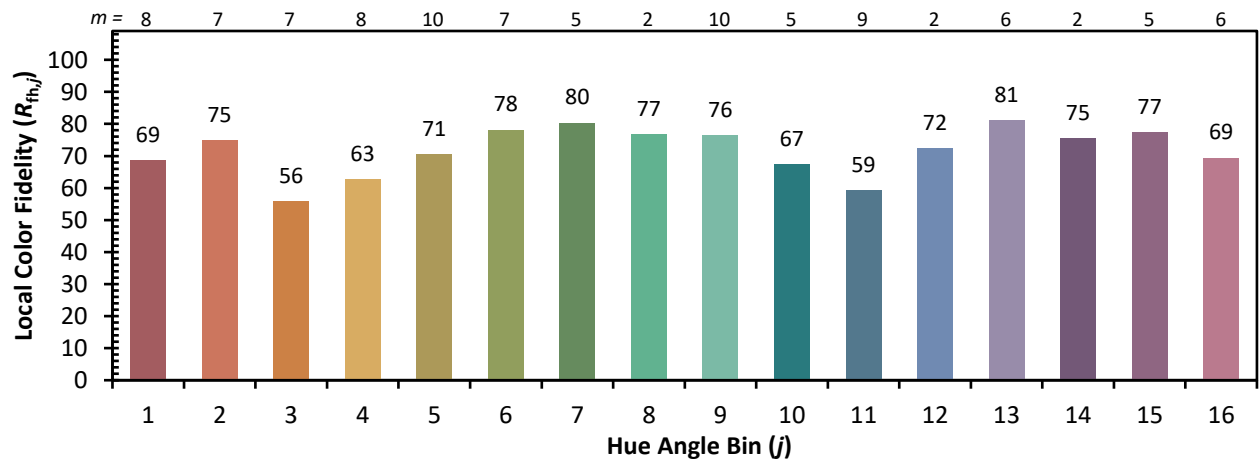
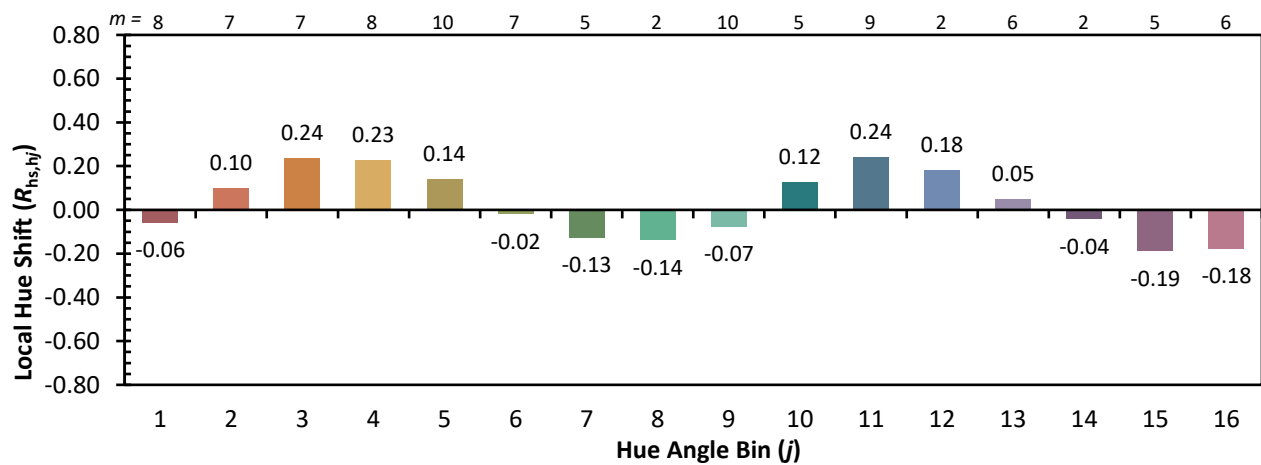
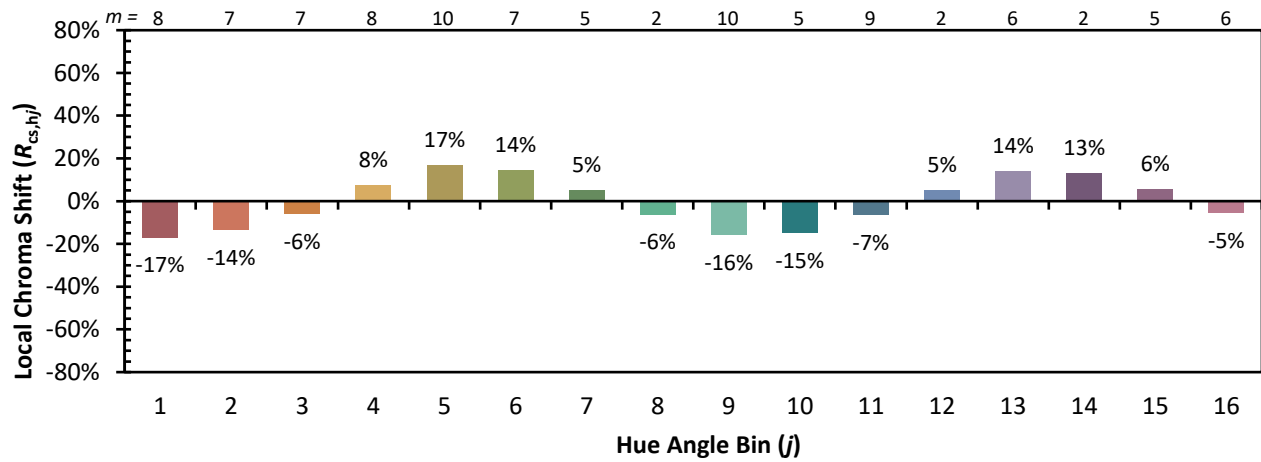


Individual Sample Fidelity Index ($R_{f,i}$)

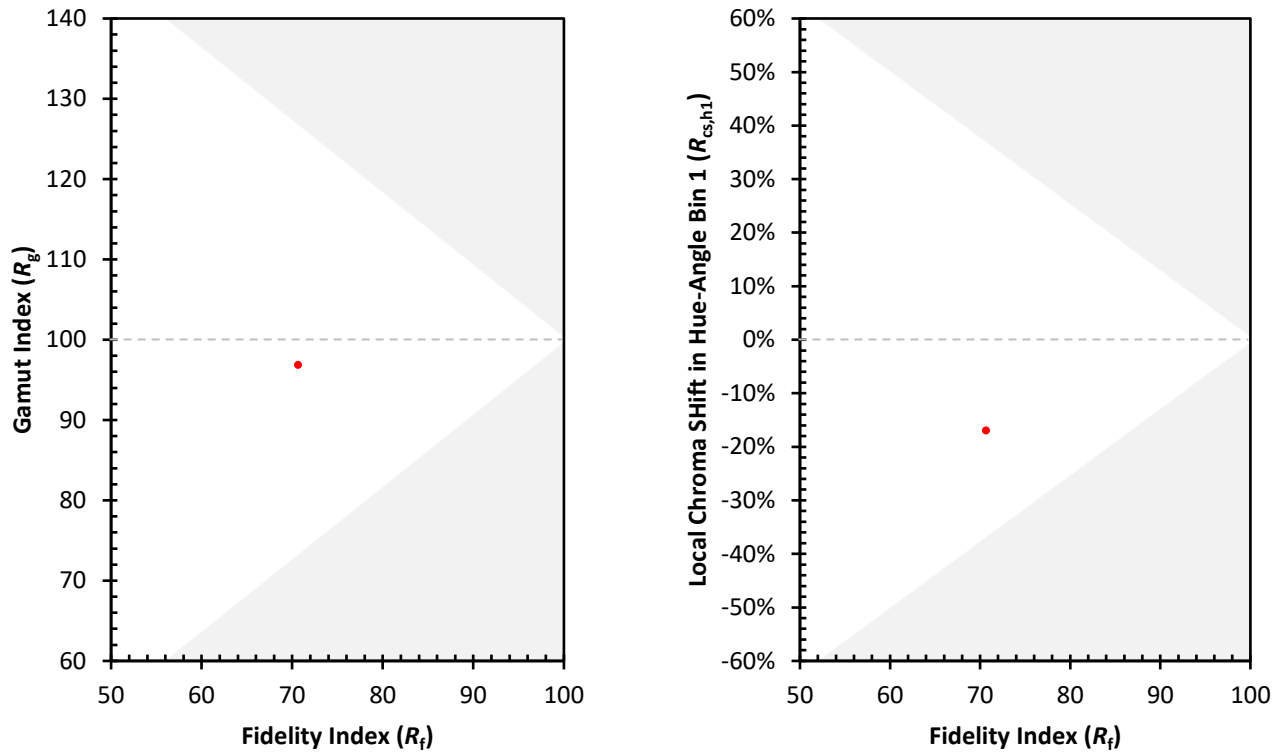
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82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