

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: P1065817

Luminaire Tested: **NVN-SA4A-735-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065817
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4A-735-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13747.3 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - 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

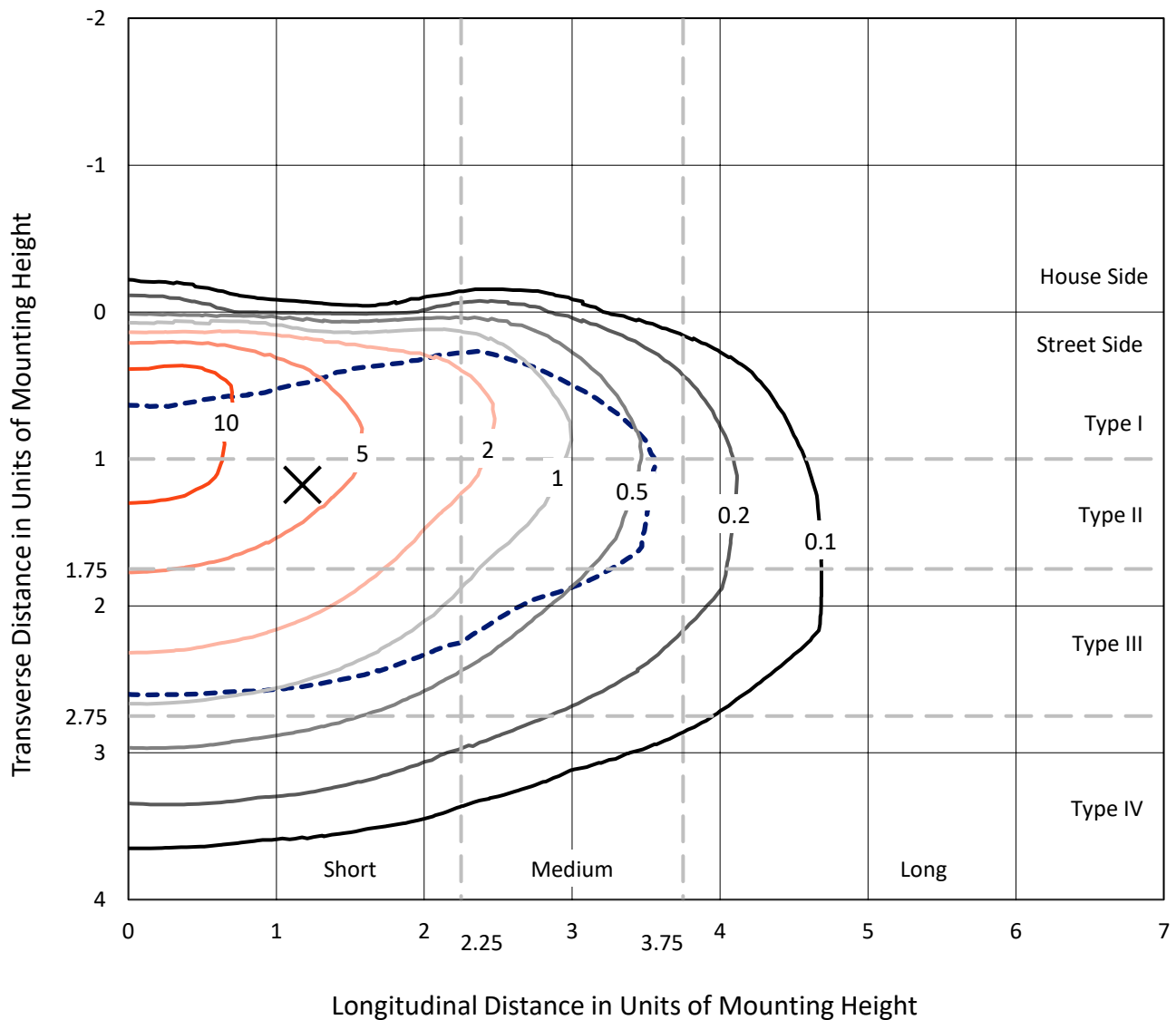


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CATALOG NUMBER: NVN-SA4A-735-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

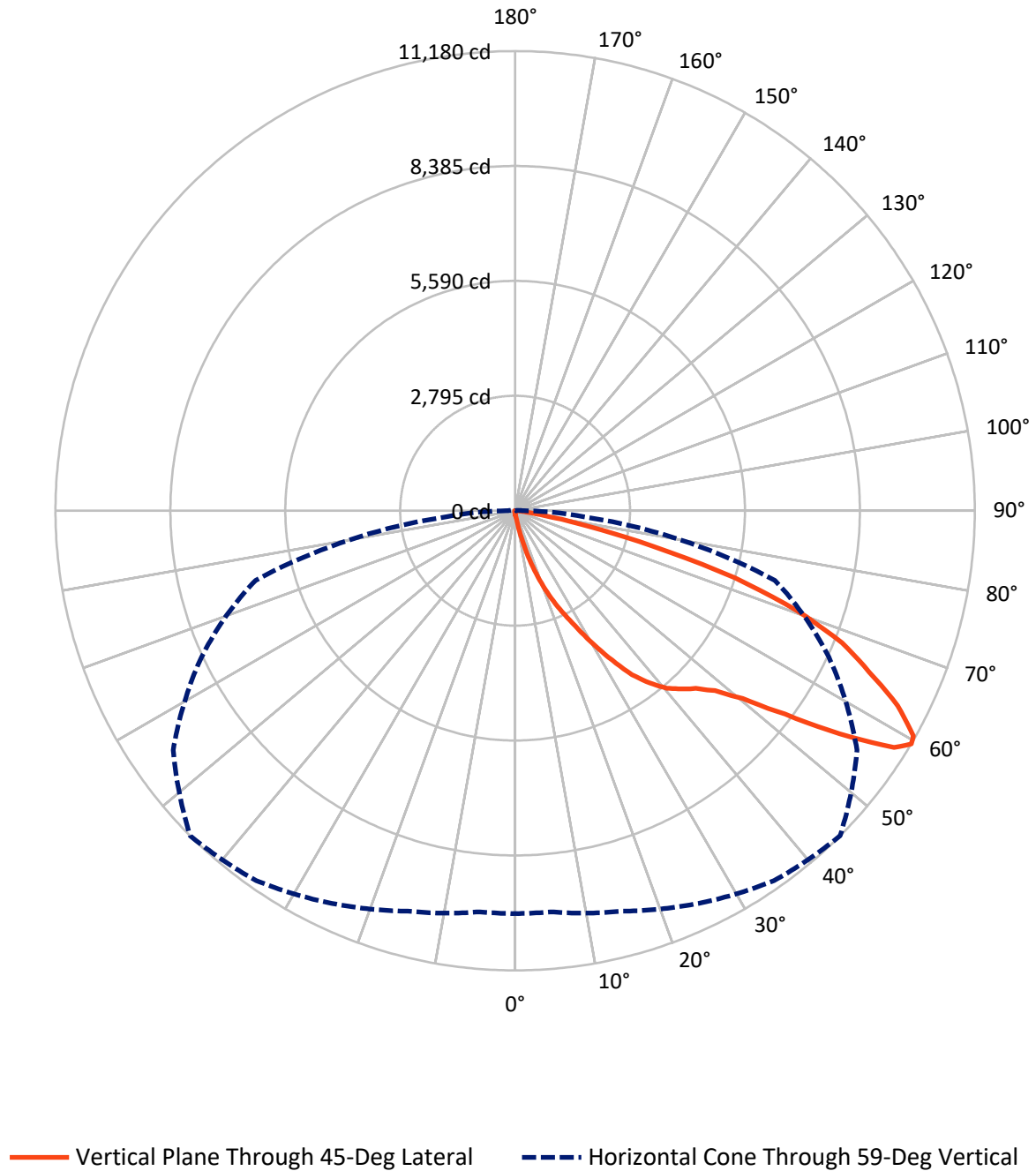


Based on 15 foot mounting height. Maximum calculated value = 15 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.8	0.0	48.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13698.5	0.0	13698.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	13747.3	0.0	13747.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.1
10°-20°	151.9	1.1
20°-30°	546.0	4.0
30°-40°	1268.7	9.2
40°-50°	2162.4	15.7
50°-60°	3563.0	25.9
60°-70°	4119.6	30.0
70°-80°	1769.9	12.9
80°-90°	152.9	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°	13747.3	100.0
0°-180°	13747.3	100.0



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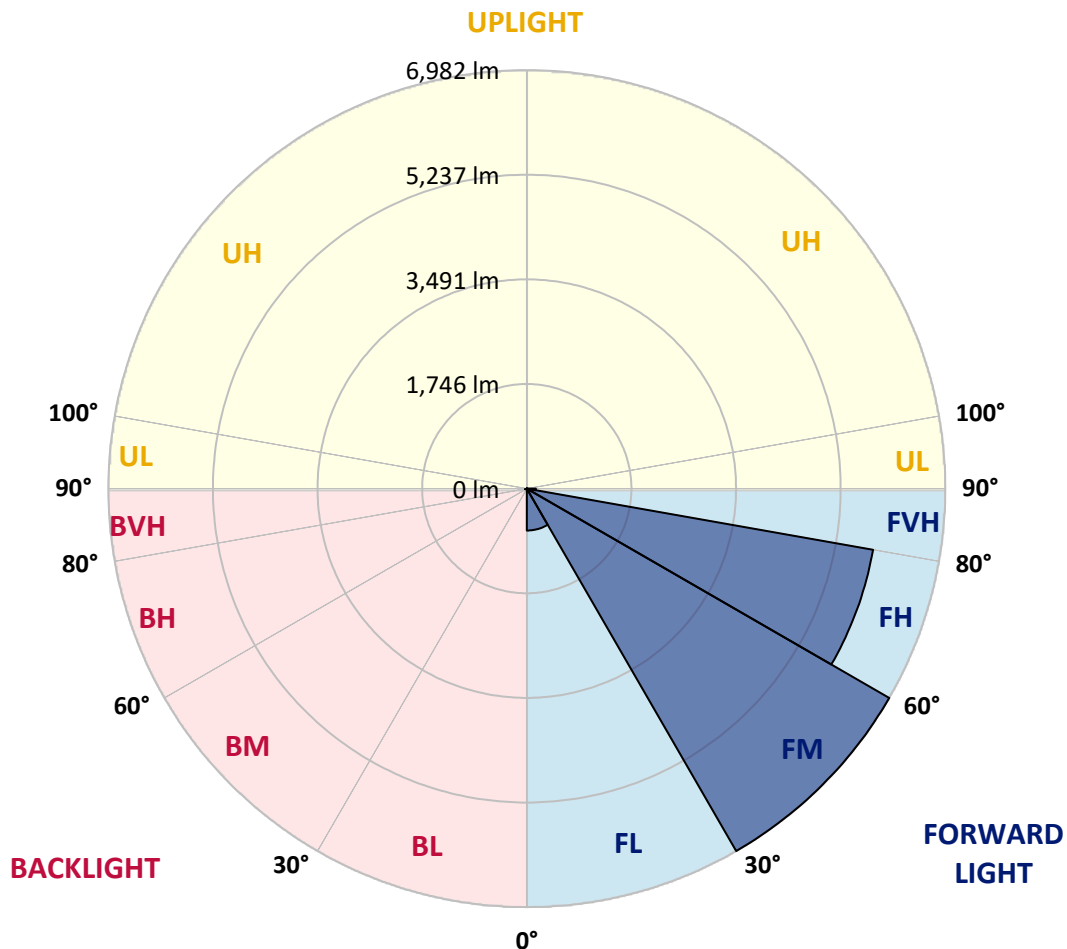
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	698.6	5.1			
FM	(30°-60°)	6982.3	50.8			
FH	(60°-80°)	5866.6	42.7			G3/7500
FVH	(80°-90°)	151.0	1.1			G2/225
BL	(0°-30°)	12.0	0.1	B0/110		
BM	(30°-60°)	11.8	0.1	B0/220		
BH	(60°-80°)	23.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2.5°	112.8	112.8	110.0	106.3	105.4	102.6	102.6	99.8	96.1	93.4	89.7
5°	163.6	162.7	155.3	146.1	134.0	126.6	126.6	116.5	107.2	98.9	91.5
7.5°	357.7	349.4	322.6	278.2	220.0	181.2	178.4	145.1	122.9	106.3	92.4
10°	820.8	792.2	754.3	648.0	478.8	334.6	328.2	211.7	147.0	114.6	94.3
12.5°	1345.0	1368.1	1292.3	1125.0	927.1	689.6	643.4	356.8	194.1	125.7	96.1
15°	1821.9	1816.4	1773.9	1637.1	1408.7	1092.6	1064.0	620.3	278.2	143.3	98.0
17.5°	2178.7	2172.3	2131.6	2043.8	1868.2	1552.0	1527.1	989.1	436.3	168.2	99.8
20°	2555.0	2546.6	2489.3	2419.1	2265.6	1996.6	1967.1	1401.3	683.1	208.9	99.8
22.5°	3006.1	2990.3	2929.3	2810.1	2648.3	2414.5	2387.7	1822.9	989.1	275.5	104.5
25°	3551.4	3524.6	3440.5	3333.3	3138.2	2827.7	2799.0	2292.4	1357.9	376.2	109.1
27.5°	4173.5	4178.2	4064.5	3883.3	3621.7	3304.6	3251.0	2713.0	1739.7	520.4	114.6
30°	4912.1	4865.9	4706.0	4495.2	4241.0	3837.1	3785.3	3131.8	2168.6	733.0	123.9
32.5°	5603.5	5553.6	5338.2	5073.0	4800.3	4374.1	4331.6	3602.3	2558.7	984.5	140.5
35°	6197.0	6161.9	5860.5	5537.0	5294.8	4914.0	4901.0	4127.3	3017.2	1255.3	159.0
37.5°	6719.3	6655.5	6268.2	5932.6	5686.7	5345.6	5317.9	4608.0	3459.0	1569.6	186.7
40°	7164.8	7129.7	6657.3	6216.4	6016.7	5711.7	5676.6	5029.5	3915.6	1934.7	220.9
42.5°	7641.8	7595.6	7137.1	6642.5	6274.6	5948.3	5925.2	5377.1	4322.4	2335.9	271.8
45°	8180.7	8094.7	7692.6	7248.9	6689.7	6193.3	6167.4	5686.7	4739.3	2766.6	333.7
47.5°	8756.6	8681.7	8356.3	8044.8	7401.4	6597.2	6541.8	5950.2	5153.4	3264.0	412.3
50°	9342.6	9344.5	9100.4	8950.7	8271.3	7253.5	7175.0	6337.5	5588.8	3796.4	528.7
52.5°	10024.8	10042.4	10038.7	9927.8	9400.9	8326.7	8221.4	6925.4	6094.4	4417.6	689.6
55°	10310.4	10341.9	10546.2	10792.0	10648.8	9687.4	9574.6	7939.4	6764.6	5109.9	928.1
57.5°	10076.6	10111.7	10393.6	10824.4	11153.5	10878.9	10866.0	9259.4	7647.3	5949.3	1318.2
59°	9798.3	9793.7	10083.0	10539.7	10983.4	11161.8	11180.3	10152.4	8416.4	6538.1	1654.6
60°	9613.5	9617.2	9809.4	10278.1	10749.5	11059.2	11131.3	10678.3	8865.7	6961.4	1943.0
62.5°	8899.9	8942.4	9094.9	9530.3	9977.7	10323.4	10446.3	11147.0	10151.5	7961.6	2946.0
65°	8124.3	8127.1	8344.3	8716.8	9145.7	9388.8	9466.5	10417.7	11010.2	8980.3	4261.4
67.5°	6740.5	6796.9	7043.7	7647.3	8214.0	8521.8	8580.9	9068.1	10654.3	9644.0	4920.4
70°	4717.1	4791.0	5143.2	5926.1	6770.1	7275.7	7272.0	7538.3	9376.8	9348.2	4171.7
72.5°	2355.3	2482.9	2770.3	3608.7	4631.1	5425.1	5592.5	6063.9	7532.7	7764.7	3112.4
75°	1040.8	1048.2	1211.9	1634.3	2301.7	3310.2	3459.9	4813.2	5779.2	5396.5	2248.1
77.5°	605.5	611.0	640.6	734.0	932.7	1622.3	1790.5	3156.7	4083.9	3136.4	1466.1
80°	220.0	225.5	224.6	278.2	408.6	638.7	711.8	1529.8	2724.1	1651.9	768.2
82.5°	135.0	135.0	130.3	131.3	148.8	245.0	268.1	651.7	1326.5	813.4	220.0
85°	66.6	70.3	74.9	84.1	99.8	121.1	128.5	186.7	446.5	196.9	52.7
87.5°	39.7	40.7	44.4	53.6	66.6	86.9	92.4	126.6	159.9	132.2	12.9
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-SA4A-735-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2.5°	87.8	86.9	82.3	78.6	74.9	71.2	68.4	65.6	65.6	66.6	65.6
5°	87.8	84.1	76.7	70.3	64.7	60.1	55.5	51.8	50.8	50.8	51.8
7.5°	86.9	82.3	72.1	63.8	56.4	49.9	45.3	40.7	39.7	40.7	39.7
10°	86.0	80.4	68.4	58.2	48.1	41.6	35.1	30.5	30.5	30.5	31.4
12.5°	86.0	77.6	64.7	52.7	41.6	34.2	27.7	23.1	22.2	22.2	22.2
15°	85.0	75.8	61.0	46.2	35.1	25.9	20.3	15.7	15.7	15.7	15.7
17.5°	83.2	73.0	56.4	40.7	27.7	19.4	13.9	9.2	9.2	11.1	11.1
20°	81.3	70.3	50.8	33.3	23.1	14.8	9.2	5.5	5.5	8.3	9.2
22.5°	82.3	70.3	47.1	29.6	18.5	11.1	7.4	4.6	3.7	6.5	8.3
25°	83.2	68.4	42.5	25.9	13.9	8.3	5.5	1.8	0.9	1.8	2.8
27.5°	83.2	66.6	37.0	20.3	10.2	6.5	2.8	0.0	0.0	0.0	0.0
30°	82.3	63.8	32.4	16.6	7.4	3.7	0.9	0.0	0.0	0.0	0.0
32.5°	81.3	61.0	29.6	12.9	6.5	1.8	0.0	0.0	0.0	0.0	0.0
35°	82.3	57.3	25.9	10.2	3.7	0.0	0.0	0.0	0.0	0.0	1.8
37.5°	85.0	53.6	22.2	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	88.7	50.8	18.5	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	96.1	50.8	16.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	105.4	50.8	13.9	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	117.4	51.8	12.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	132.2	53.6	11.1	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	143.3	51.8	10.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	162.7	49.9	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	188.6	47.1	9.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	214.5	43.4	9.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	244.0	41.6	8.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	403.0	37.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	778.3	35.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1258.1	35.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1322.8	35.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	880.0	28.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	471.4	25.9	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	254.2	24.0	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	111.8	17.6	4.6	2.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	44.4	12.0	5.5	4.6	3.7	1.8	0.0	0.0	0.0	0.0	0.0
85°	21.3	9.2	7.4	6.5	4.6	2.8	0.0	0.0	0.0	0.0	0.0
87.5°	10.2	9.2	8.3	7.4	6.5	4.6	0.9	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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

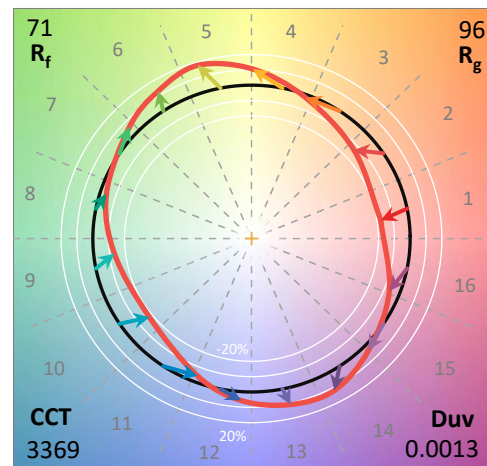
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

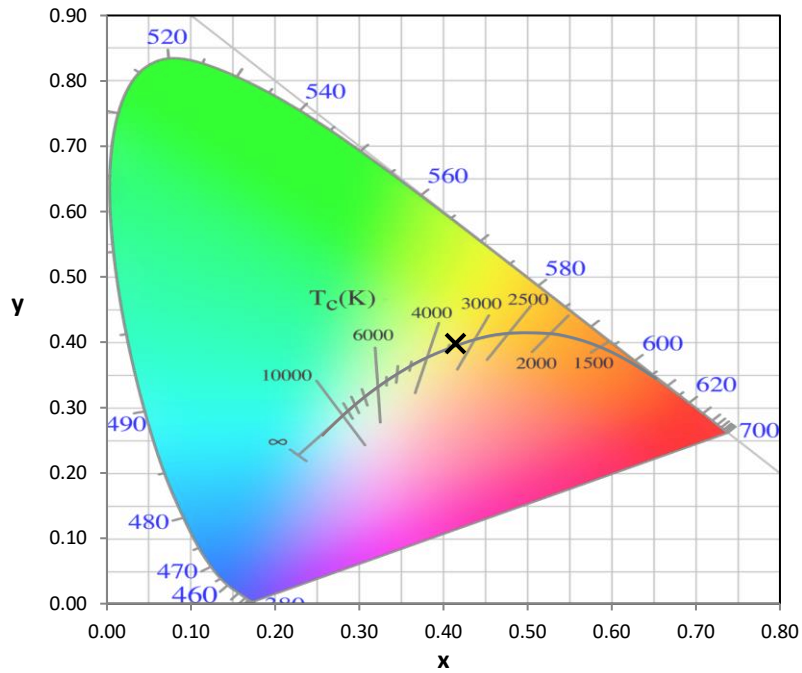
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

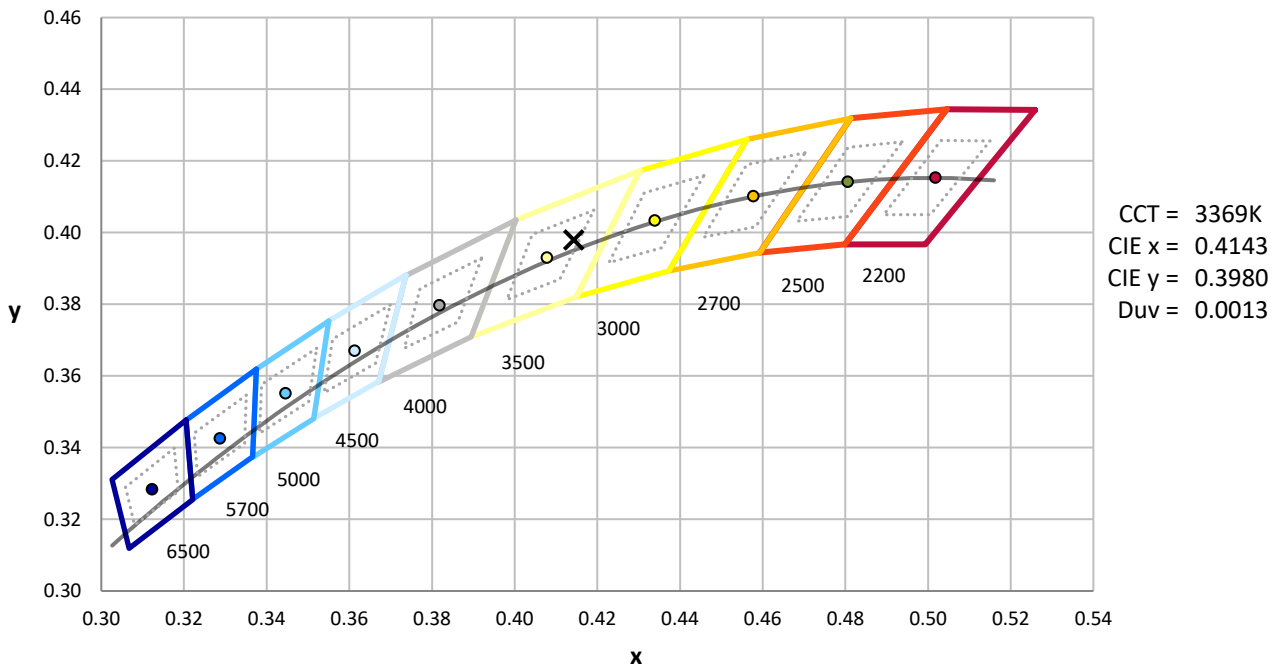
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



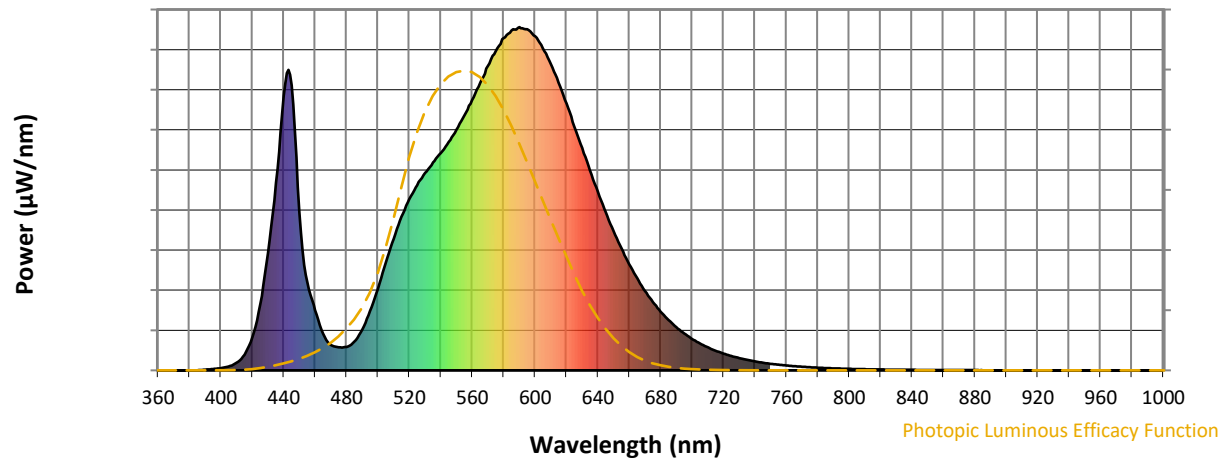
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

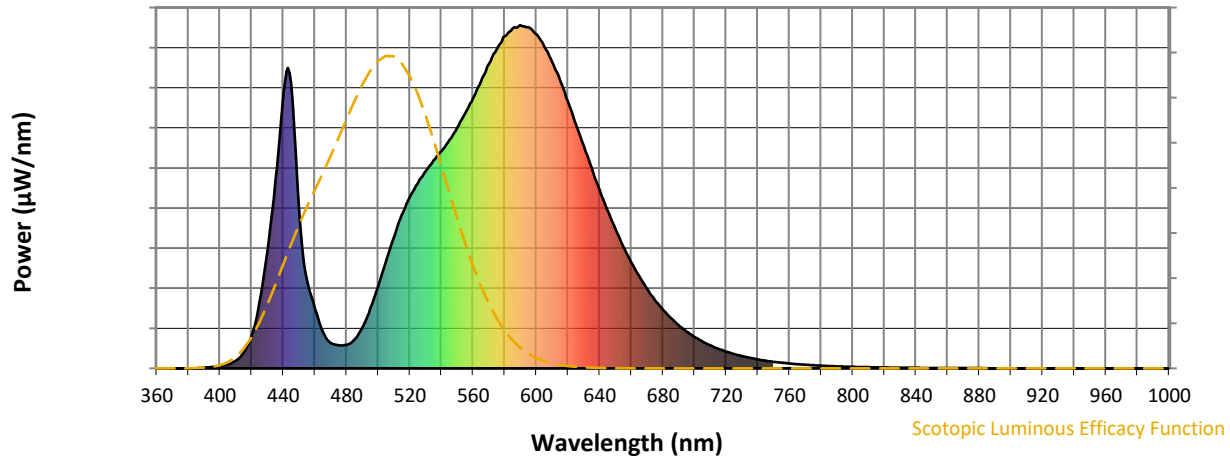


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



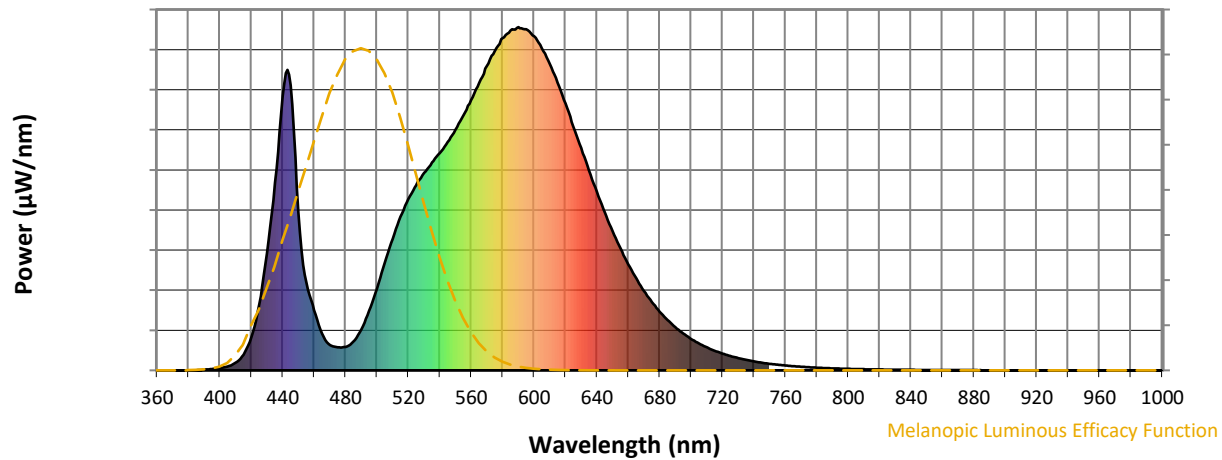
Scotopic Lumens: NR

S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

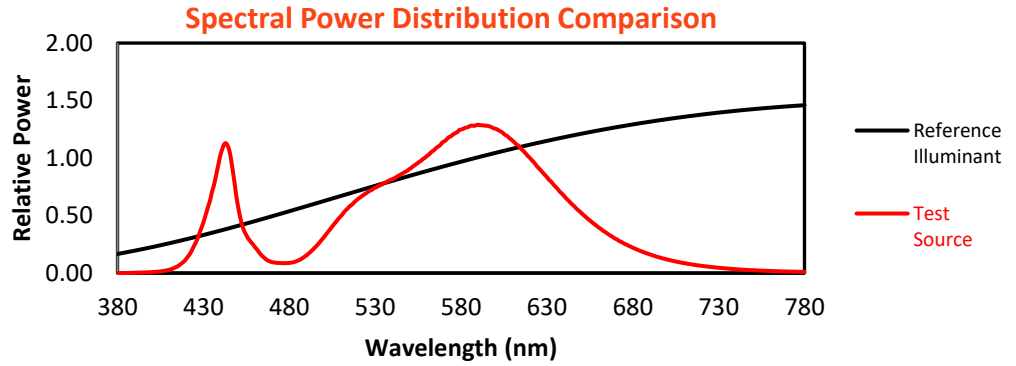
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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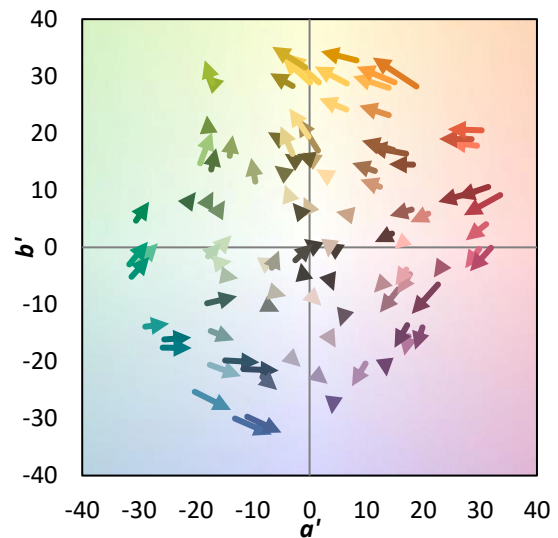
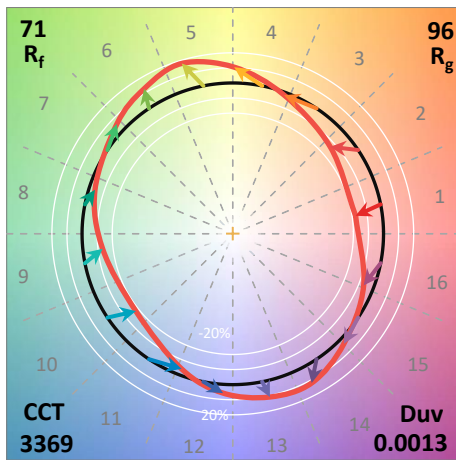
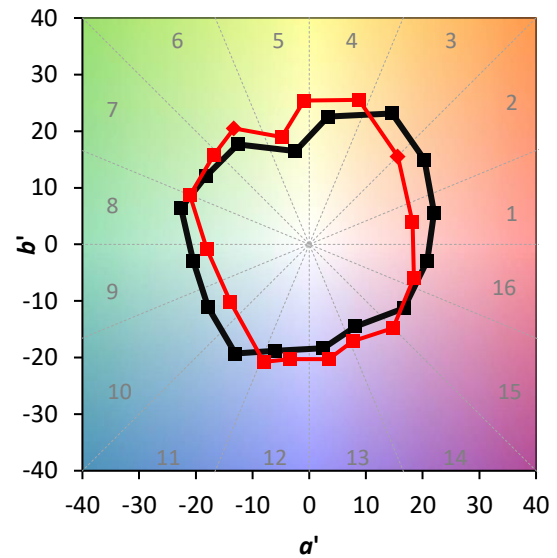
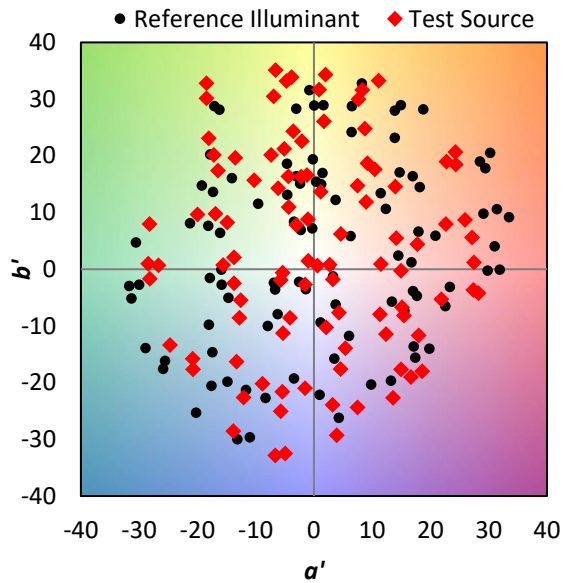
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 $\text{CIE } R_a = 70.1$
 $R_g = -40.2$

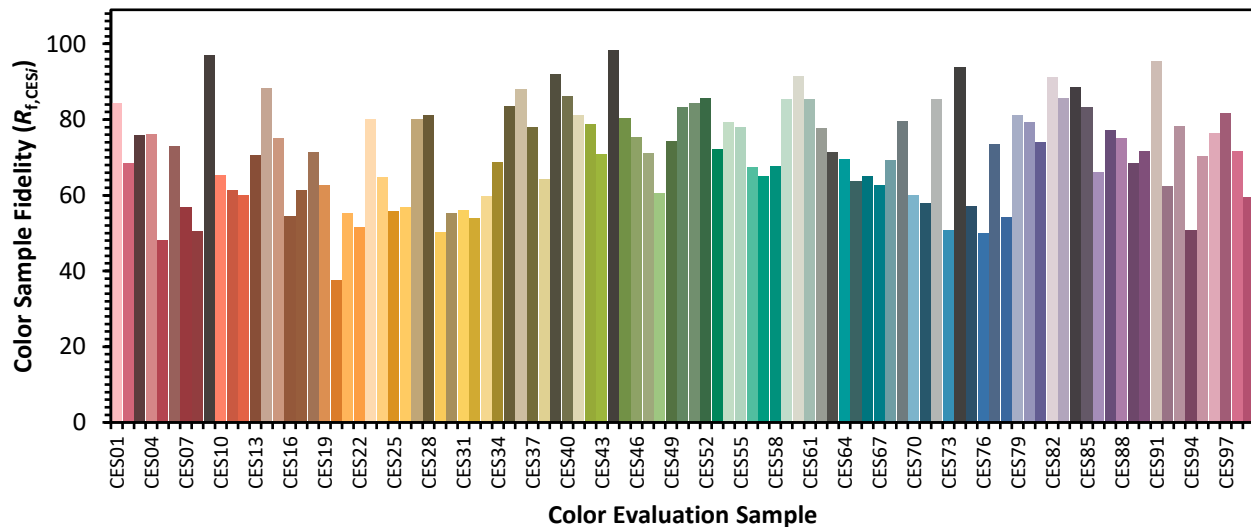


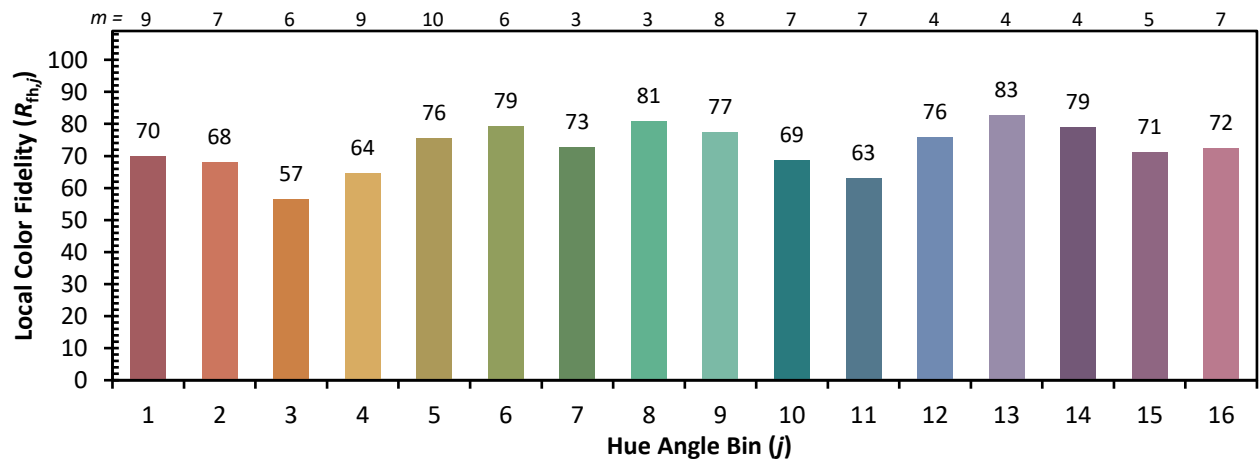
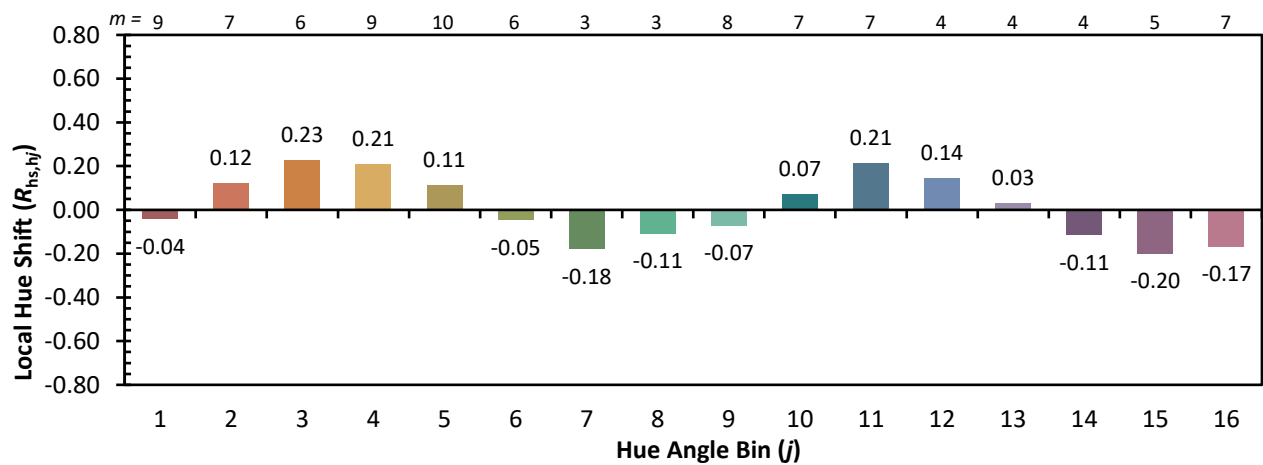
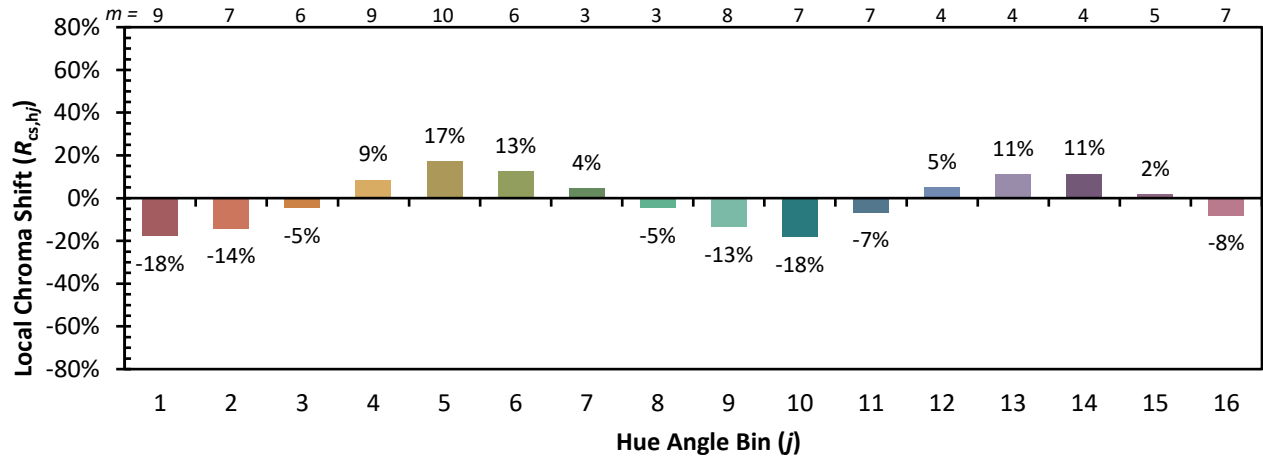
Color Vector Graphics



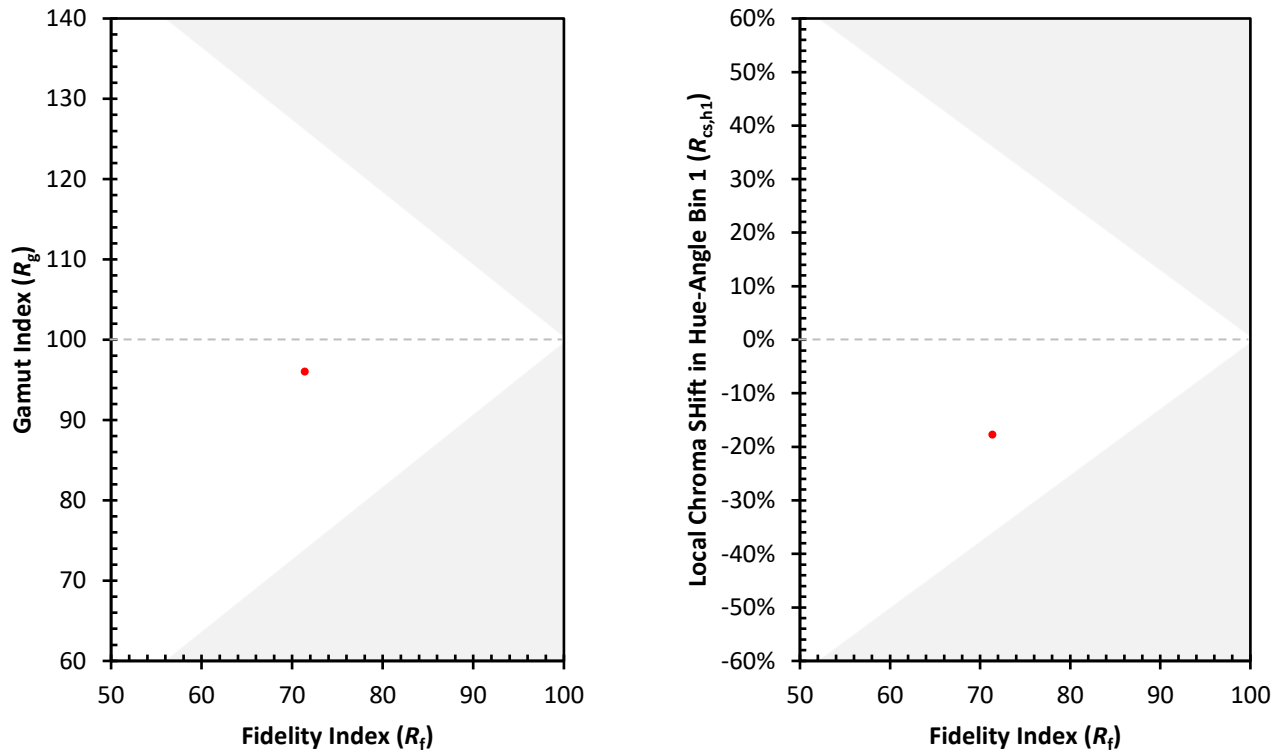
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)