

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: P1065818

Luminaire Tested: **NVN-SA4B-735-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065818
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4B-735-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 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: 17102.7 lumens
Efficiency: N/A
Efficacy: 118.7 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): 144.1
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

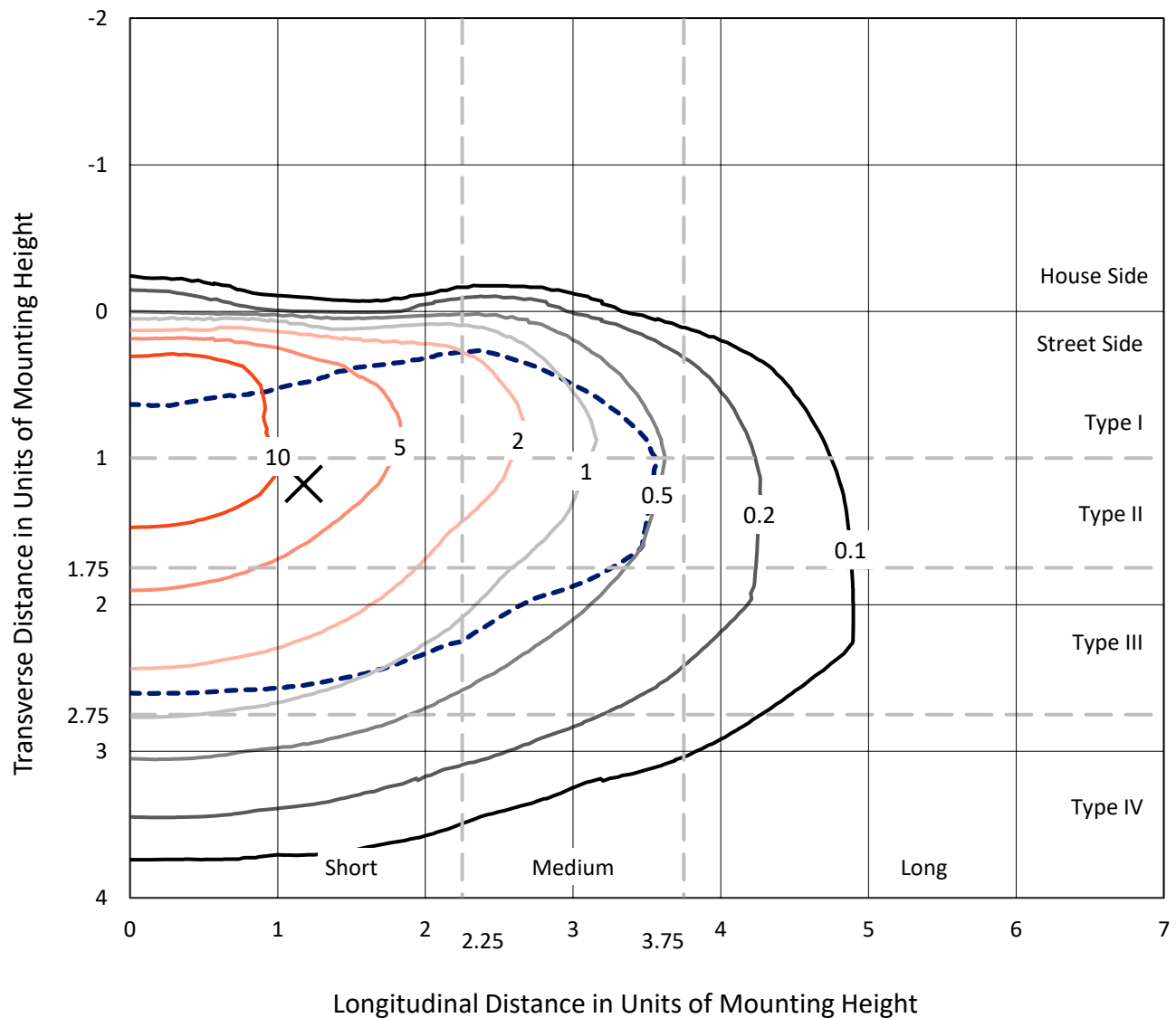


REPORT NUMBER: P1065818

CATALOG NUMBER: NVN-SA4B-735-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

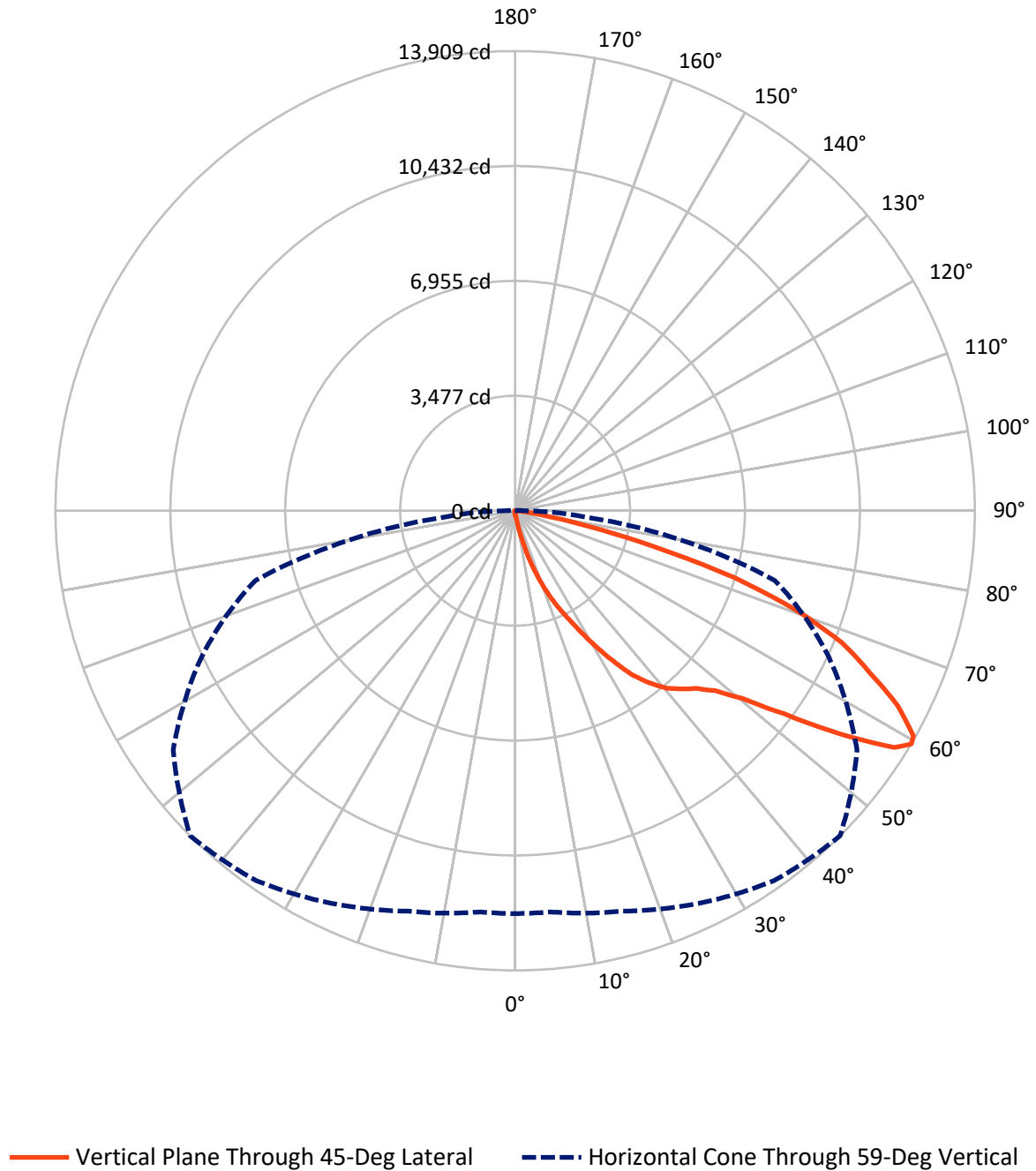


Based on 15 foot mounting height. Maximum calculated value = 18.6 fc
 Type III - Short - N/A

REPORT NUMBER: P1065818

CATALOG NUMBER: NVN-SA4B-735-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1065818

CATALOG NUMBER: NVN-SA4B-735-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	60.7	0.0	60.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17042.0	0.0	17042.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	17102.7	0.0	17102.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	0.1
10°-20°	189.0	1.1
20°-30°	679.2	4.0
30°-40°	1578.3	9.2
40°-50°	2690.2	15.7
50°-60°	4432.7	25.9
60°-70°	5125.2	30.0
70°-80°	2201.9	12.9
80°-90°	190.3	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°	17102.7	100.0
0°-180°	17102.7	100.0



REPORT NUMBER: P1065818

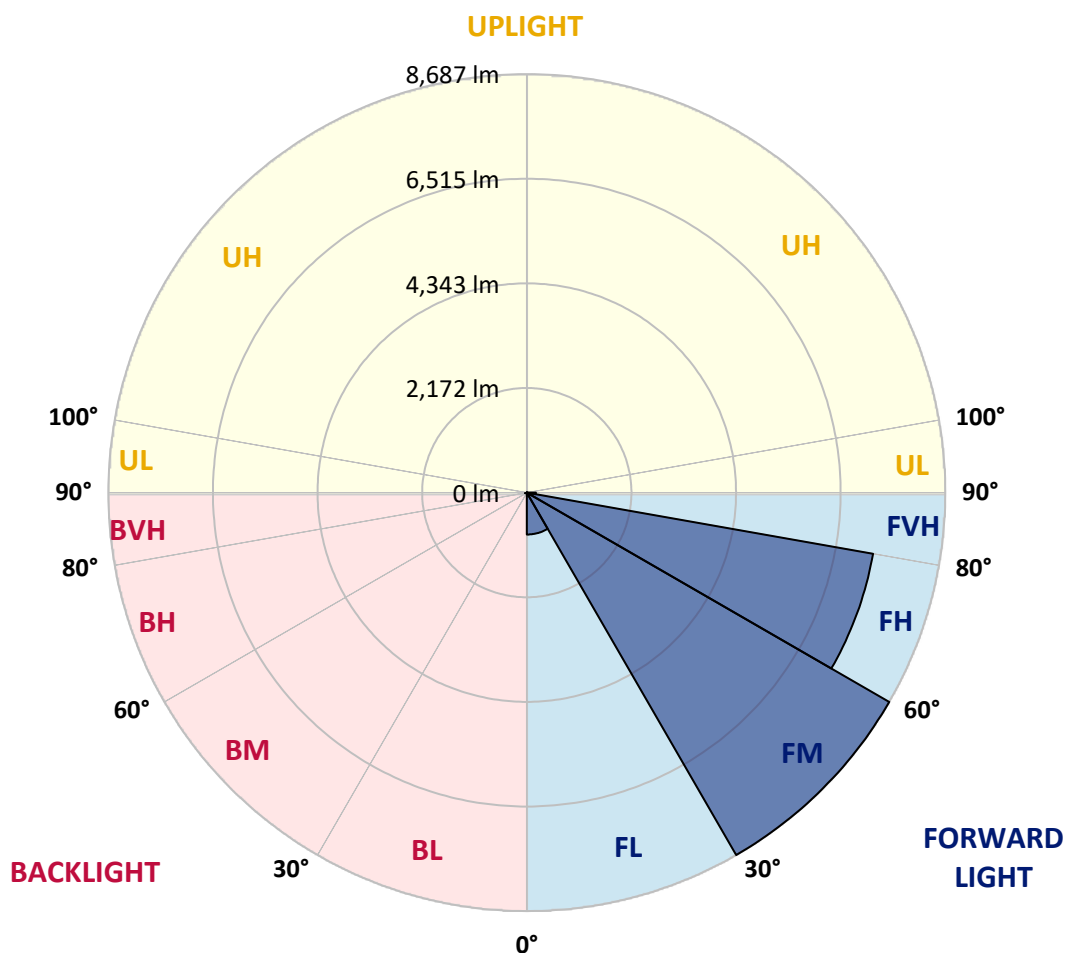
CATALOG NUMBER: NVN-SA4B-735-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	869.2	5.1			
FM	(30°-60°)	8686.5	50.8			
FH	(60°-80°)	7298.5	42.7			G3/7500
FVH	(80°-90°)	187.8	1.1			G2/225
BL	(0°-30°)	15.0	0.1	B0/110		
BM	(30°-60°)	14.7	0.1	B0/220		
BH	(60°-80°)	28.6	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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



REPORT NUMBER: P1065818

CATALOG NUMBER: NVN-SA4B-735-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1
2.5°	140.3	140.3	136.8	132.2	131.1	127.6	127.6	124.2	119.6	116.1	111.5
5°	203.5	202.4	193.2	181.7	166.7	157.5	157.5	144.9	133.4	123.0	113.8
7.5°	445.0	434.7	401.3	346.1	273.7	225.4	221.9	180.5	152.9	132.2	115.0
10°	1021.2	985.5	938.4	806.1	595.7	416.3	408.2	263.3	182.8	142.6	117.3
12.5°	1673.2	1702.0	1607.7	1399.5	1153.4	857.9	800.4	443.9	241.5	156.4	119.6
15°	2266.6	2259.7	2206.8	2036.6	1752.6	1359.3	1323.6	771.6	346.1	178.2	121.9
17.5°	2710.5	2702.5	2651.9	2542.6	2324.1	1930.8	1899.8	1230.5	542.8	209.3	124.2
20°	3178.6	3168.2	3096.9	3009.5	2818.6	2484.0	2447.2	1743.4	849.8	259.9	124.2
22.5°	3739.8	3720.2	3644.3	3496.0	3294.7	3003.8	2970.4	2267.8	1230.5	342.7	129.9
25°	4418.3	4384.9	4280.3	4146.9	3904.2	3517.8	3482.2	2852.0	1689.3	468.0	135.7
27.5°	5192.2	5198.0	5056.5	4831.1	4505.7	4111.2	4044.5	3375.2	2164.3	647.4	142.6
30°	6111.1	6053.6	5854.6	5592.4	5276.2	4773.6	4709.2	3896.2	2697.9	911.9	154.1
32.5°	6971.3	6909.2	6641.2	6311.2	5971.9	5441.8	5388.9	4481.5	3183.2	1224.7	174.8
35°	7709.6	7665.9	7291.0	6888.5	6587.2	6113.4	6097.3	5134.7	3753.6	1561.7	197.8
37.5°	8359.3	8280.0	7798.1	7380.7	7074.8	6650.4	6615.9	5732.7	4303.3	1952.7	232.3
40°	8913.6	8869.9	8282.3	7733.7	7485.3	7105.8	7062.1	6257.1	4871.4	2406.9	274.8
42.5°	9507.0	9449.5	8879.1	8263.9	7806.2	7400.2	7371.5	6689.5	5377.4	2906.0	338.1
45°	10177.4	10070.5	9570.2	9018.2	8322.5	7705.0	7672.8	7074.8	5896.0	3441.9	415.1
47.5°	10893.9	10800.7	10395.9	10008.4	9208.0	8207.5	8138.5	7402.5	6411.2	4060.6	512.9
50°	11623.0	11625.3	11321.7	11135.4	10290.1	9024.0	8926.2	7884.4	6952.9	4723.0	657.8
52.5°	12471.7	12493.5	12488.9	12350.9	11695.4	10359.1	10228.0	8615.7	7581.9	5495.8	857.9
55°	12827.0	12866.1	13120.3	13426.2	13247.9	12051.9	11911.6	9877.3	8415.7	6357.2	1154.6
57.5°	12536.1	12579.8	12930.5	13466.4	13875.8	13534.3	13518.2	11519.5	9513.9	7401.4	1639.9
59°	12189.9	12184.2	12544.1	13112.2	13664.2	13886.2	13909.2	12630.4	10470.7	8133.9	2058.5
60°	11959.9	11964.5	12203.7	12786.8	13373.3	13758.5	13848.2	13284.7	11029.6	8660.6	2417.3
62.5°	11072.1	11125.0	11314.8	11856.4	12413.0	12843.1	12996.1	13867.8	12629.2	9904.9	3665.0
65°	10107.3	10110.7	10381.0	10844.4	11378.0	11680.5	11777.1	12960.4	13697.6	11172.2	5301.5
67.5°	8385.8	8455.9	8762.9	9513.9	10218.8	10601.8	10675.4	11281.4	13254.8	11997.9	6121.4
70°	5868.4	5960.4	6398.6	7372.6	8422.6	9051.6	9047.0	9378.2	11665.5	11629.9	5189.9
72.5°	2930.2	3088.9	3446.5	4489.6	5761.5	6749.3	6957.5	7544.0	9371.3	9659.9	3872.0
75°	1294.9	1304.1	1507.6	2033.2	2863.5	4118.1	4304.4	5988.0	7189.8	6713.7	2796.8
77.5°	753.2	760.1	796.9	913.1	1160.3	2018.2	2227.5	3927.2	5080.7	3901.9	1823.9
80°	273.7	280.6	279.4	346.1	508.3	794.6	885.5	1903.2	3389.0	2055.0	955.6
82.5°	167.9	167.9	162.1	163.3	185.1	304.7	333.5	810.7	1650.2	1012.0	273.7
85°	82.8	87.4	93.1	104.6	124.2	150.6	159.8	232.3	555.4	244.9	65.5
87.5°	49.4	50.6	55.2	66.7	82.8	108.1	115.0	157.5	198.9	164.4	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1065818

CATALOG NUMBER: NVN-SA4B-735-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1
2.5°	109.2	108.1	102.3	97.7	93.1	88.5	85.1	81.6	81.6	82.8	81.6
5°	109.2	104.6	95.4	87.4	80.5	74.7	69.0	64.4	63.2	63.2	64.4
7.5°	108.1	102.3	89.7	79.3	70.1	62.1	56.3	50.6	49.4	50.6	49.4
10°	106.9	100.0	85.1	72.4	59.8	51.7	43.7	37.9	37.9	37.9	39.1
12.5°	106.9	96.6	80.5	65.5	51.7	42.5	34.5	28.7	27.6	27.6	27.6
15°	105.8	94.3	75.9	57.5	43.7	32.2	25.3	19.5	19.5	19.5	19.5
17.5°	103.5	90.8	70.1	50.6	34.5	24.1	17.2	11.5	11.5	13.8	13.8
20°	101.2	87.4	63.2	41.4	28.7	18.4	11.5	6.9	6.9	10.3	11.5
22.5°	102.3	87.4	58.6	36.8	23.0	13.8	9.2	5.7	4.6	8.0	10.3
25°	103.5	85.1	52.9	32.2	17.2	10.3	6.9	2.3	1.1	2.3	3.4
27.5°	103.5	82.8	46.0	25.3	12.6	8.0	3.4	0.0	0.0	0.0	0.0
30°	102.3	79.3	40.2	20.7	9.2	4.6	1.1	0.0	0.0	0.0	0.0
32.5°	101.2	75.9	36.8	16.1	8.0	2.3	0.0	0.0	0.0	0.0	0.0
35°	102.3	71.3	32.2	12.6	4.6	0.0	0.0	0.0	0.0	0.0	2.3
37.5°	105.8	66.7	27.6	10.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	110.4	63.2	23.0	8.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	119.6	63.2	20.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	131.1	63.2	17.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	146.0	64.4	14.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	164.4	66.7	13.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	178.2	64.4	12.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	202.4	62.1	11.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	234.6	58.6	11.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	266.8	54.0	11.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	303.6	51.7	10.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	501.4	46.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	968.3	43.7	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1565.1	43.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1645.6	43.7	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1094.8	35.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	586.5	32.2	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	316.2	29.9	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	139.1	21.8	5.7	3.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	55.2	14.9	6.9	5.7	4.6	2.3	0.0	0.0	0.0	0.0	0.0
85°	26.4	11.5	9.2	8.0	5.7	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	12.6	11.5	10.3	9.2	8.0	5.7	1.1	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

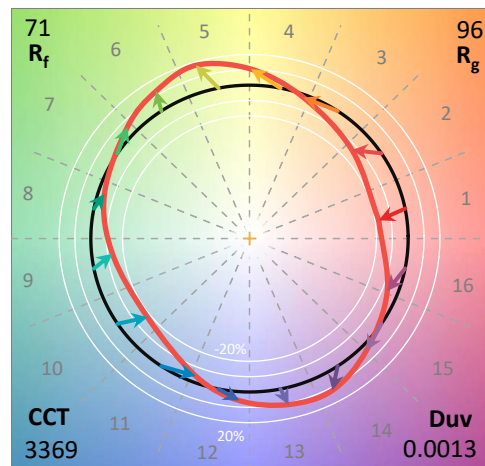
Test Information

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
 CIE u' : 0.2386
 CIE v' : 0.5156
 Duv: 0.0013
 CIE x: 0.4143
 CIE y: 0.3980
 CIE z: 0.1877
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 43.80166
 R_f: 71.4
 R_g: 96

CRI (Ra): 70.1
 R1: 66.6
 R2: 77.6
 R3: 88.5
 R4: 69.5
 R5: 66.4
 R6: 69.6
 R7: 77.5
 R8: 44.9
 R9: -40.2
 R10: 49.1
 R11: 66.3
 R12: 45.7
 R13: 68.0
 R14: 93.4
 R15: 57.6



Test Conditions

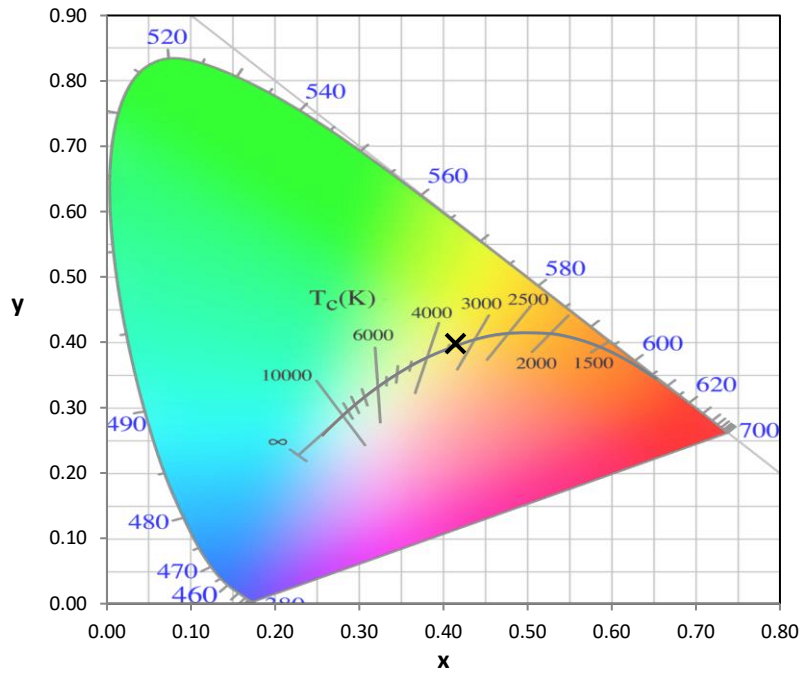
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

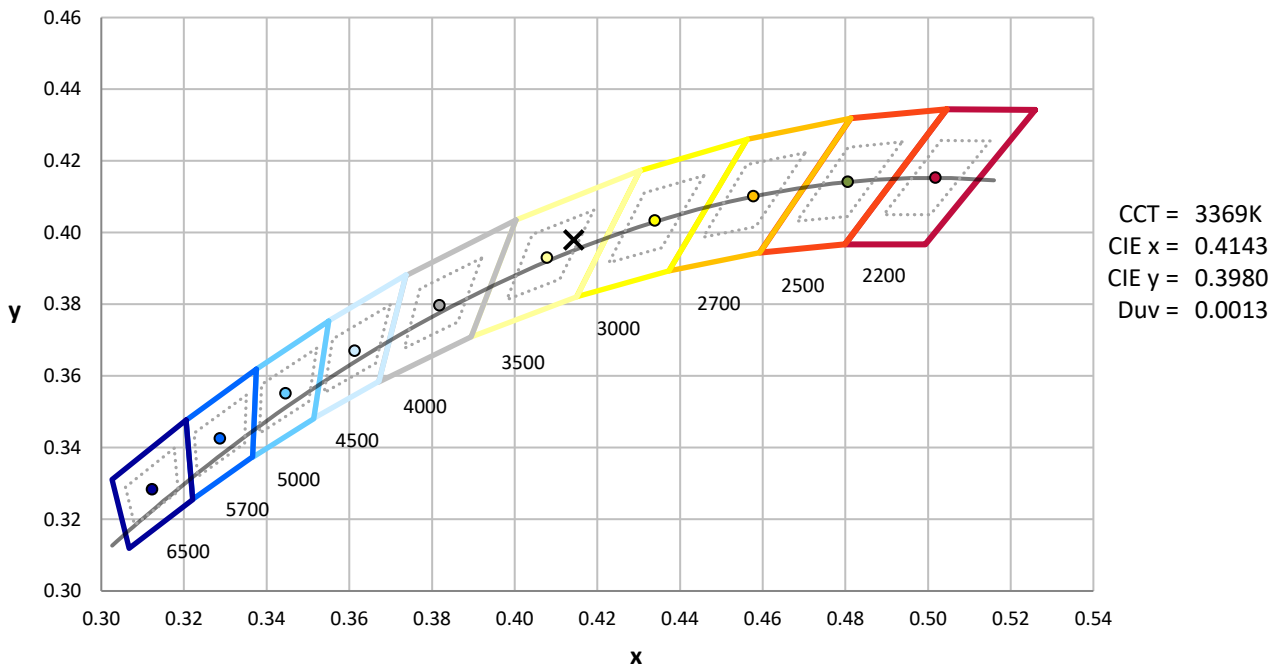
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



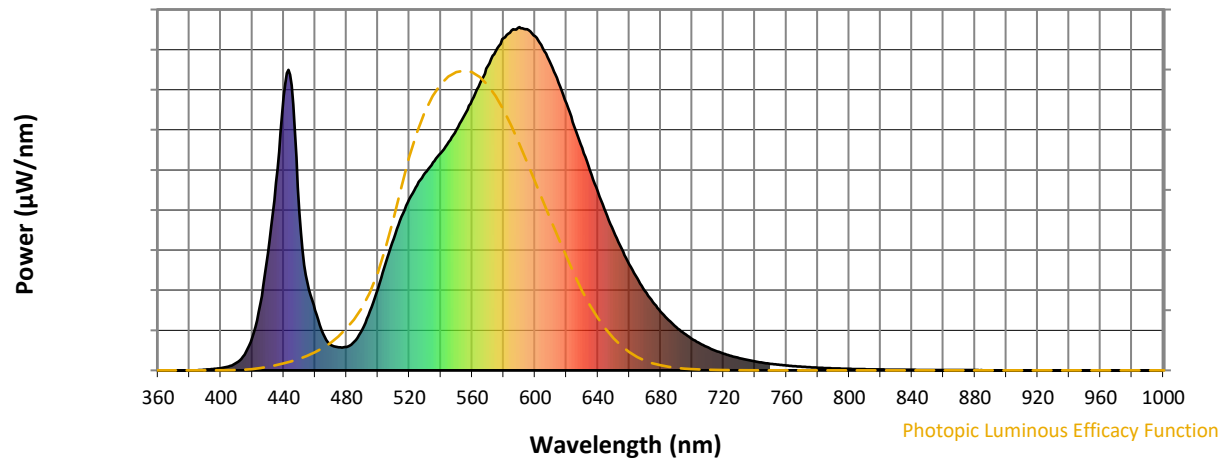
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

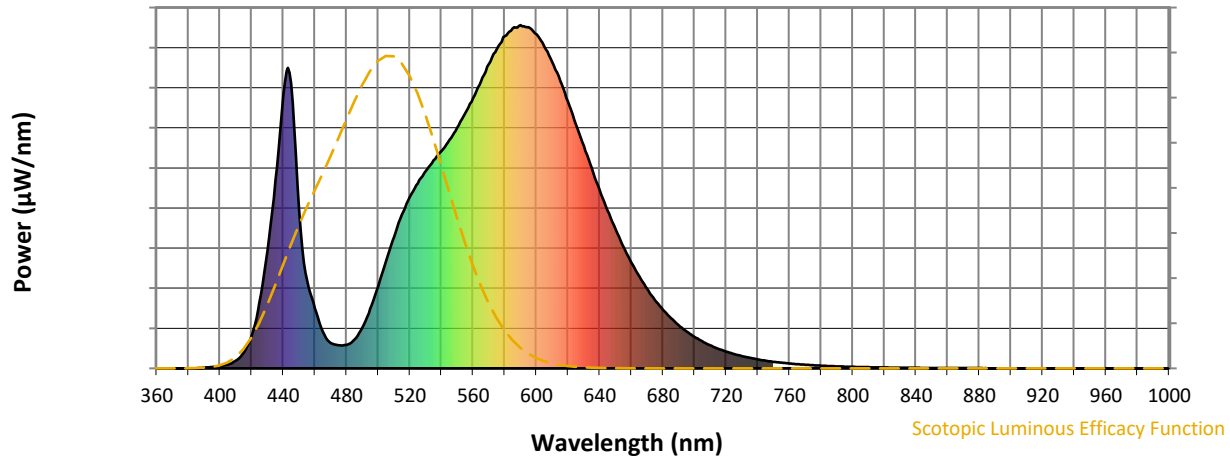


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength



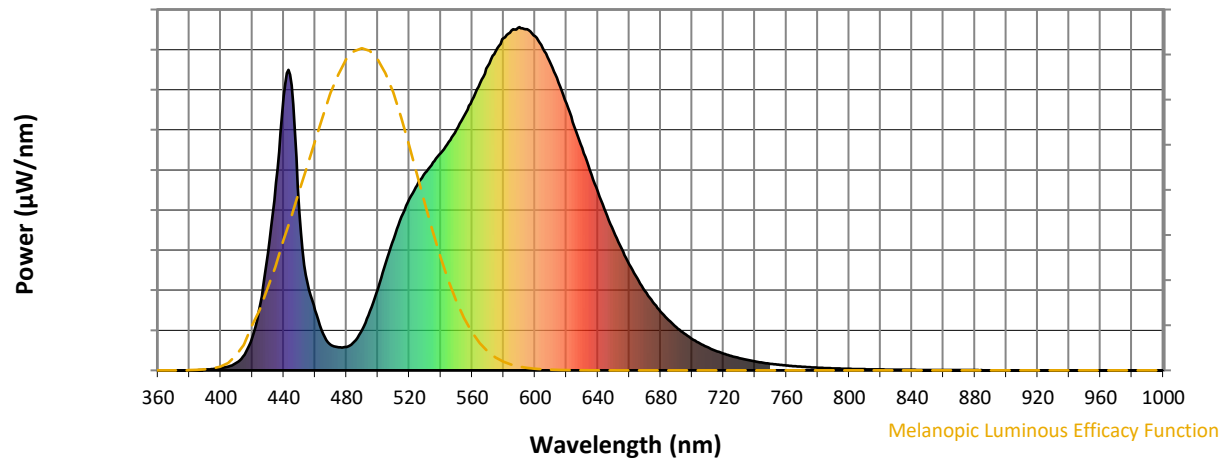
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

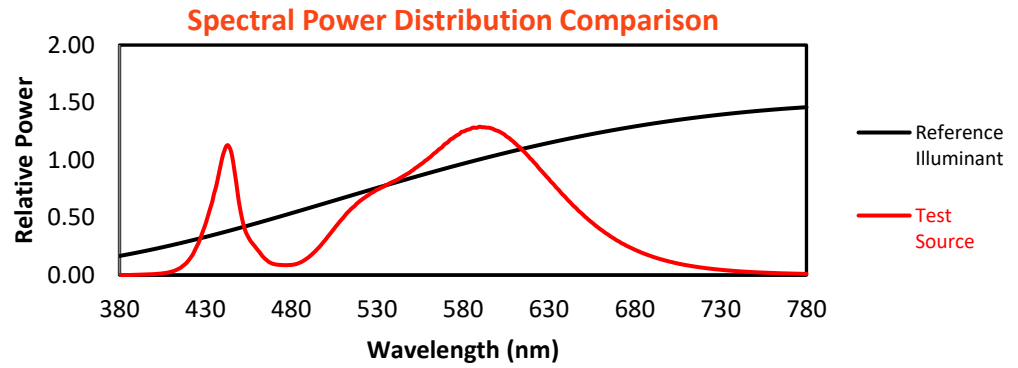
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	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			

REPORT NUMBER: SP1-2407-184-5

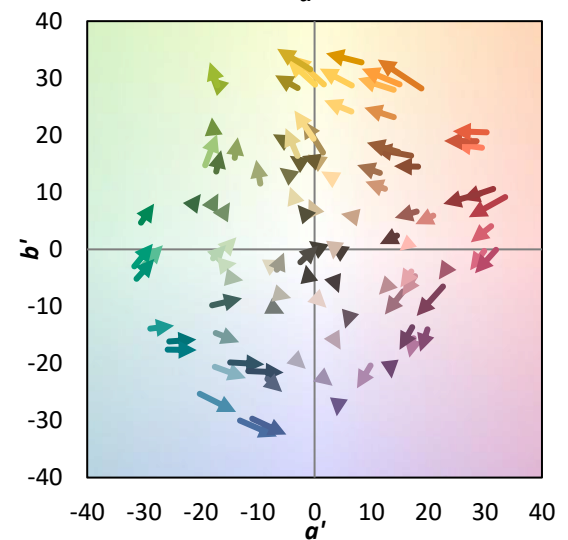
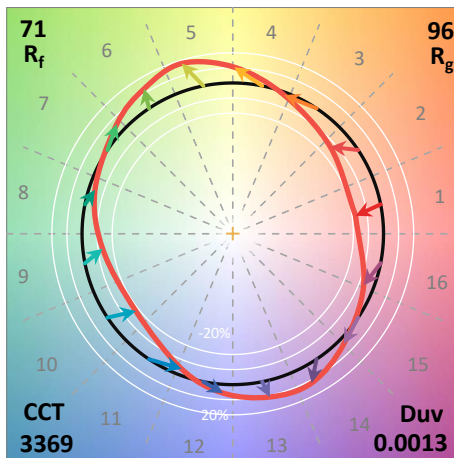
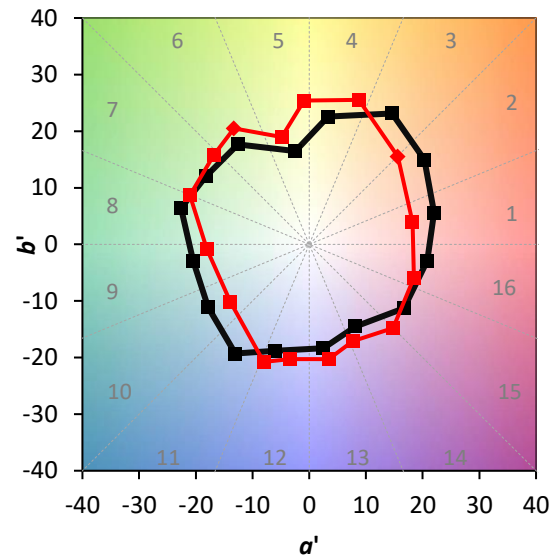
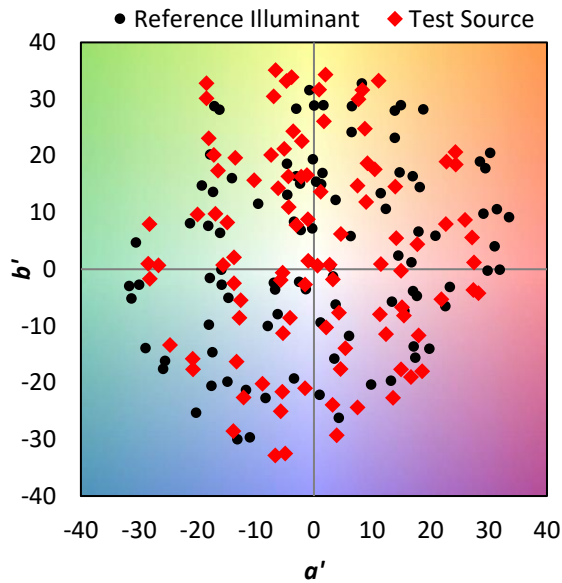
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 CIE $R_a = 70.1$
 $R_g = -40.2$

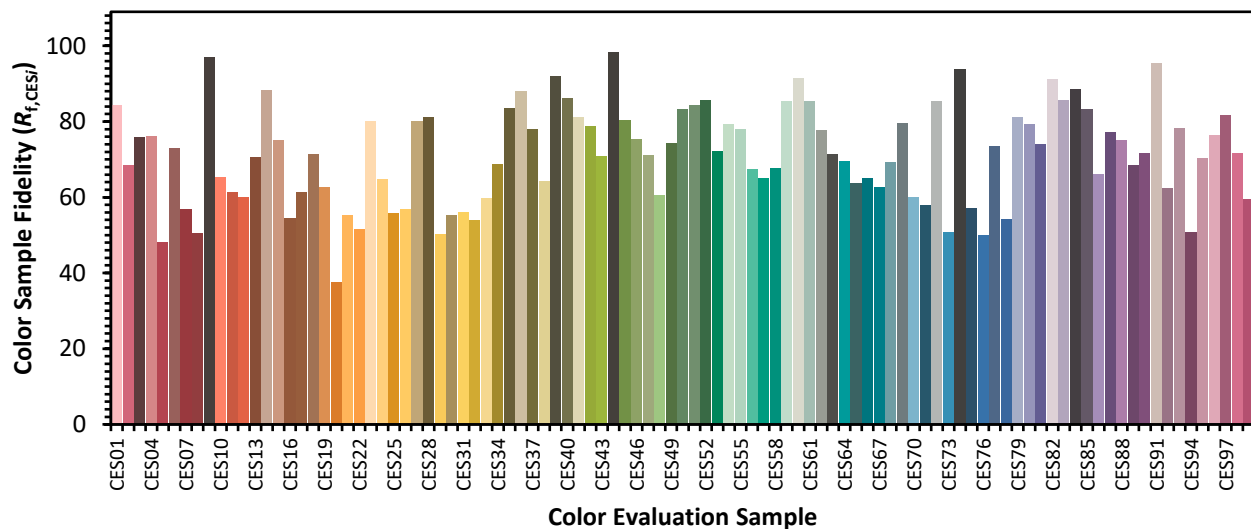


Color Vector Graphics

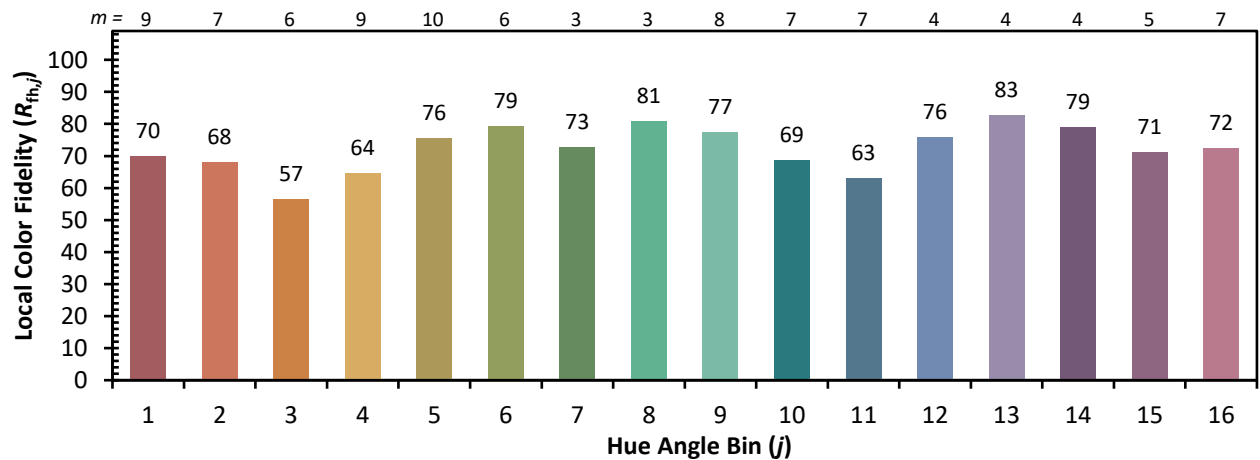
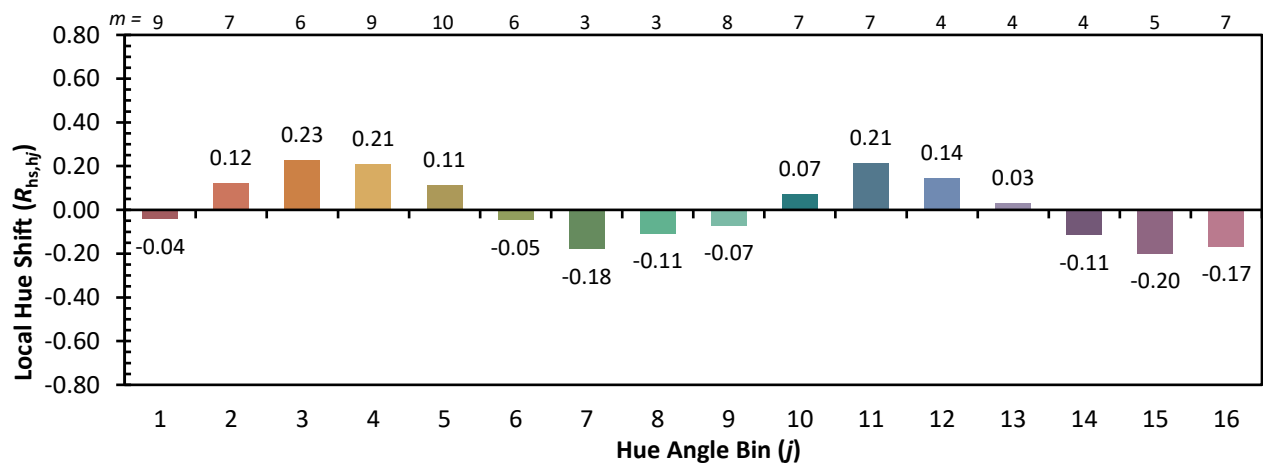
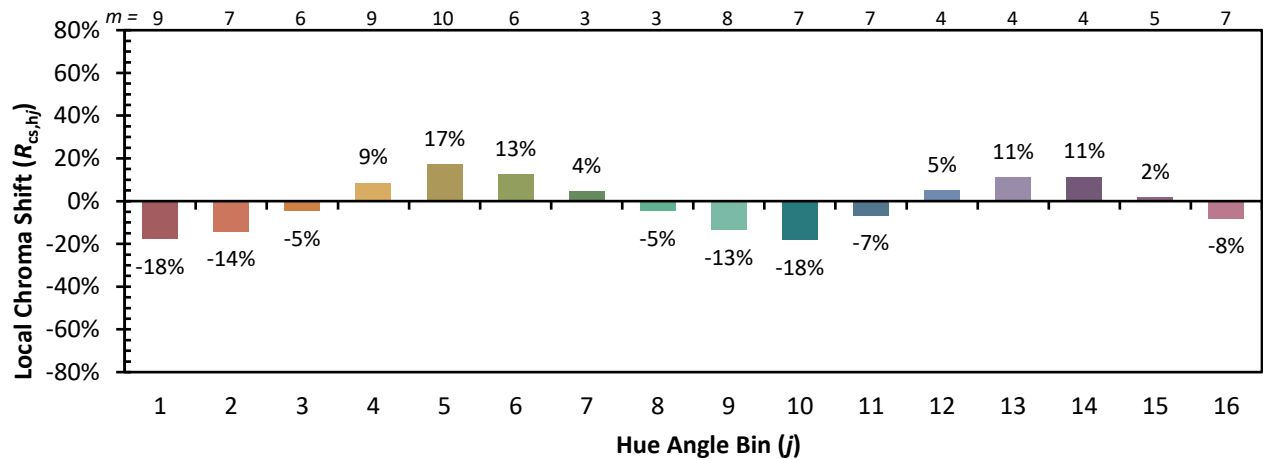


Individual Sample Fidelity Index ($R_{f,i}$)

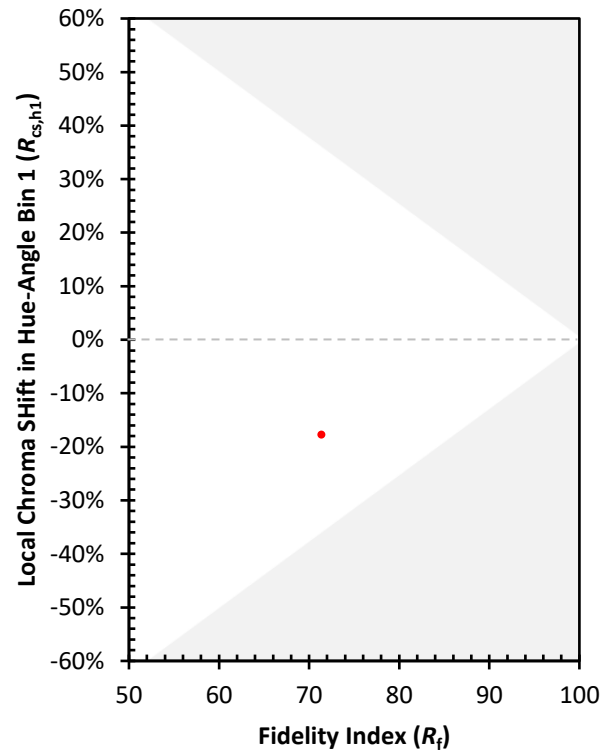
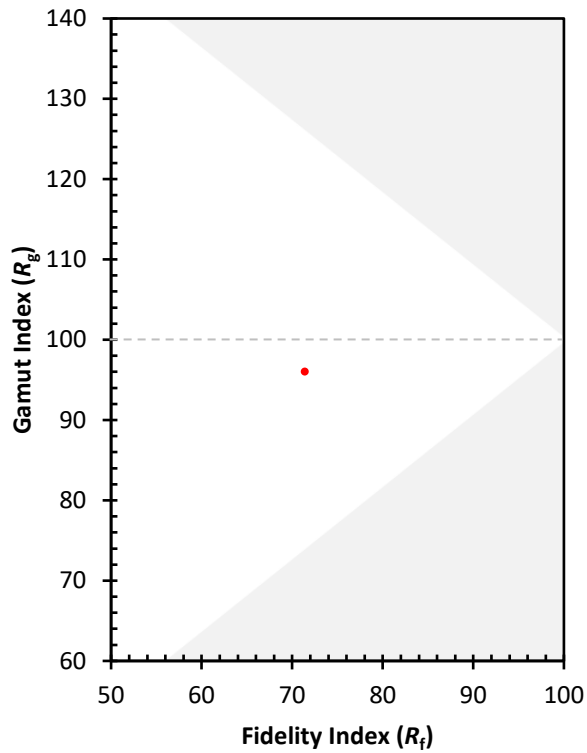
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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)