

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: LUMARK

Report Number: P1067485

Luminaire Tested: **NAV-SA1A-735-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067485
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-735-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3426.8 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.2
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

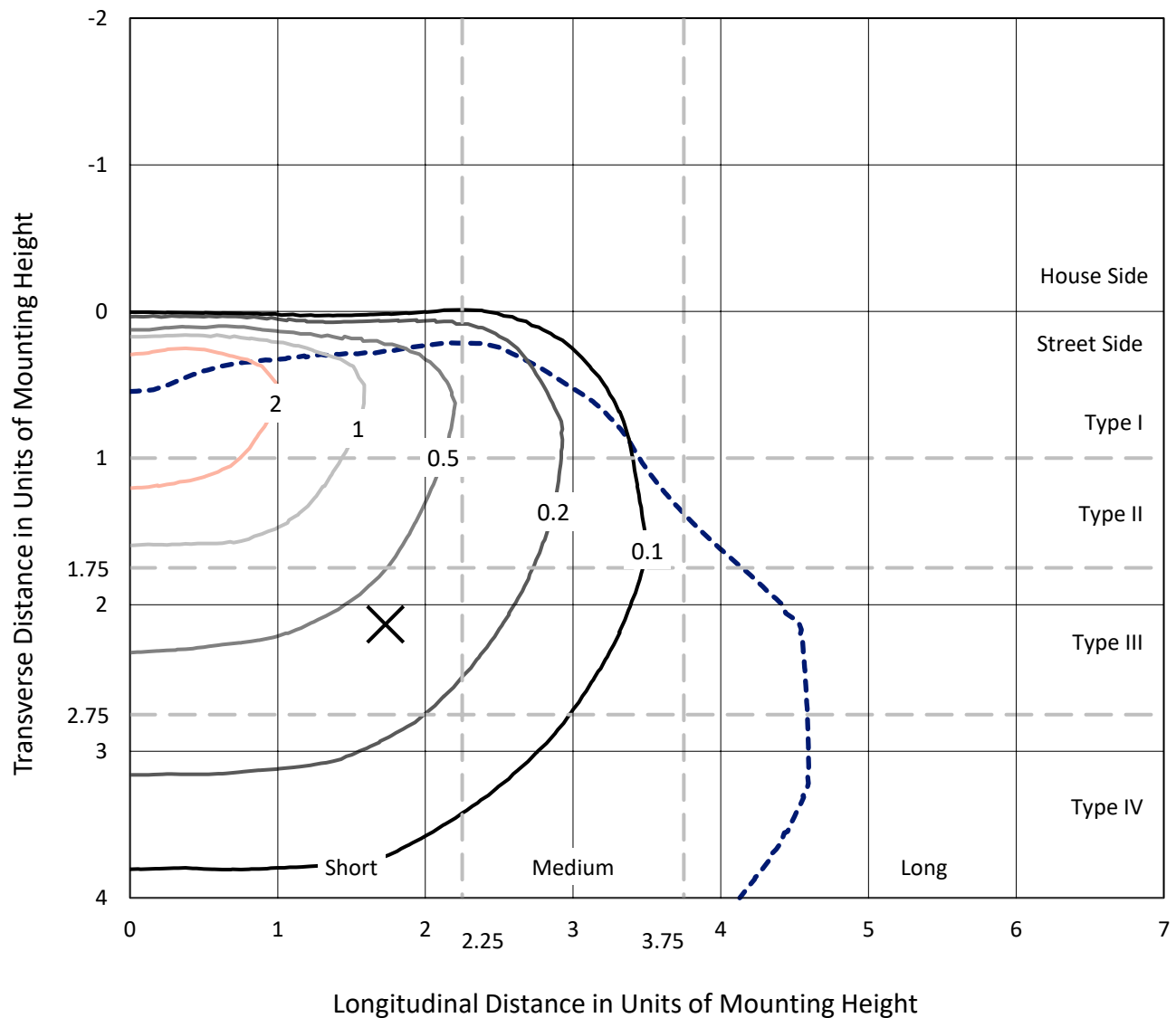


REPORT NUMBER: P1067485

CATALOG NUMBER: NAV-SA1A-735-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

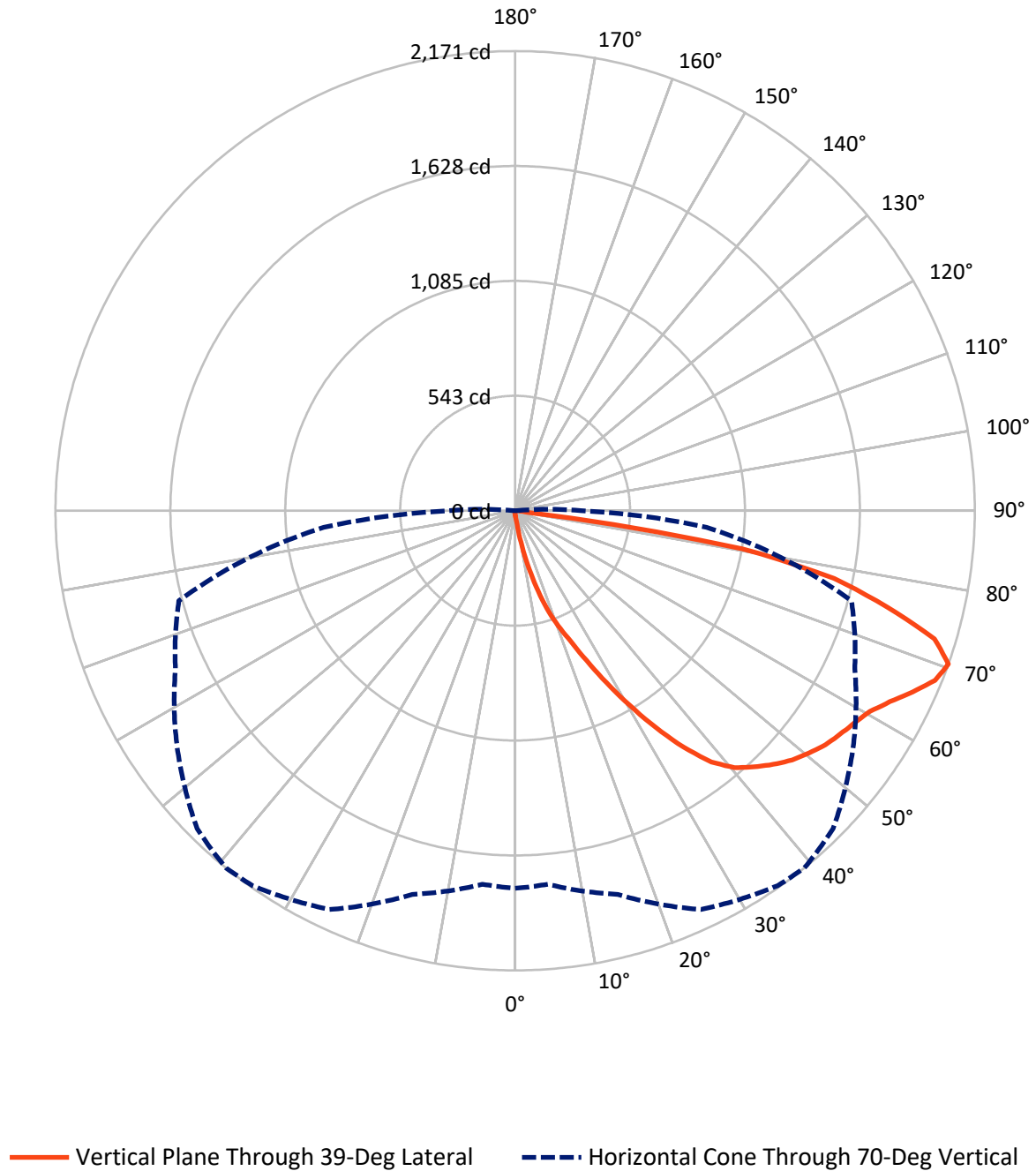


Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1067485

CATALOG NUMBER: NAV-SA1A-735-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067485

CATALOG NUMBER: NAV-SA1A-735-U-T4BC

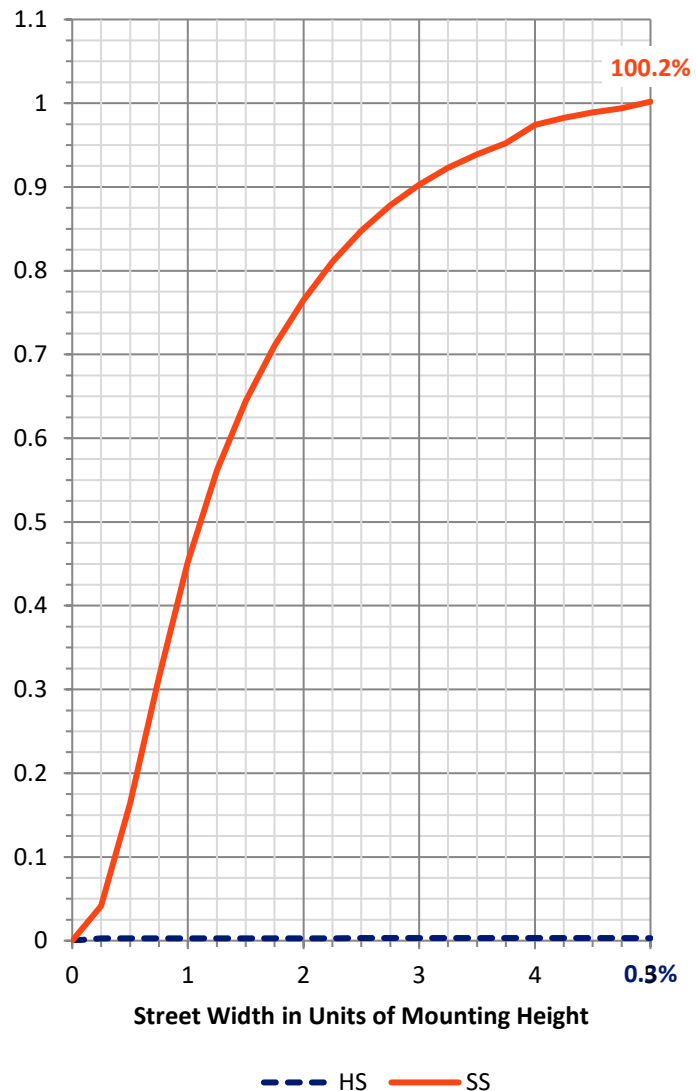
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10.6	0.0	10.6
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	3416.2	0.0	3416.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	3426.8	0.0	3426.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	42.1	1.2
20°-30°	143.0	4.2
30°-40°	336.0	9.8
40°-50°	545.6	15.9
50°-60°	691.3	20.2
60°-70°	878.2	25.6
70°-80°	713.5	20.8
80°-90°	73.5	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°	3426.8	100.0
0°-180°	3426.8	100.0



REPORT NUMBER: P1067485

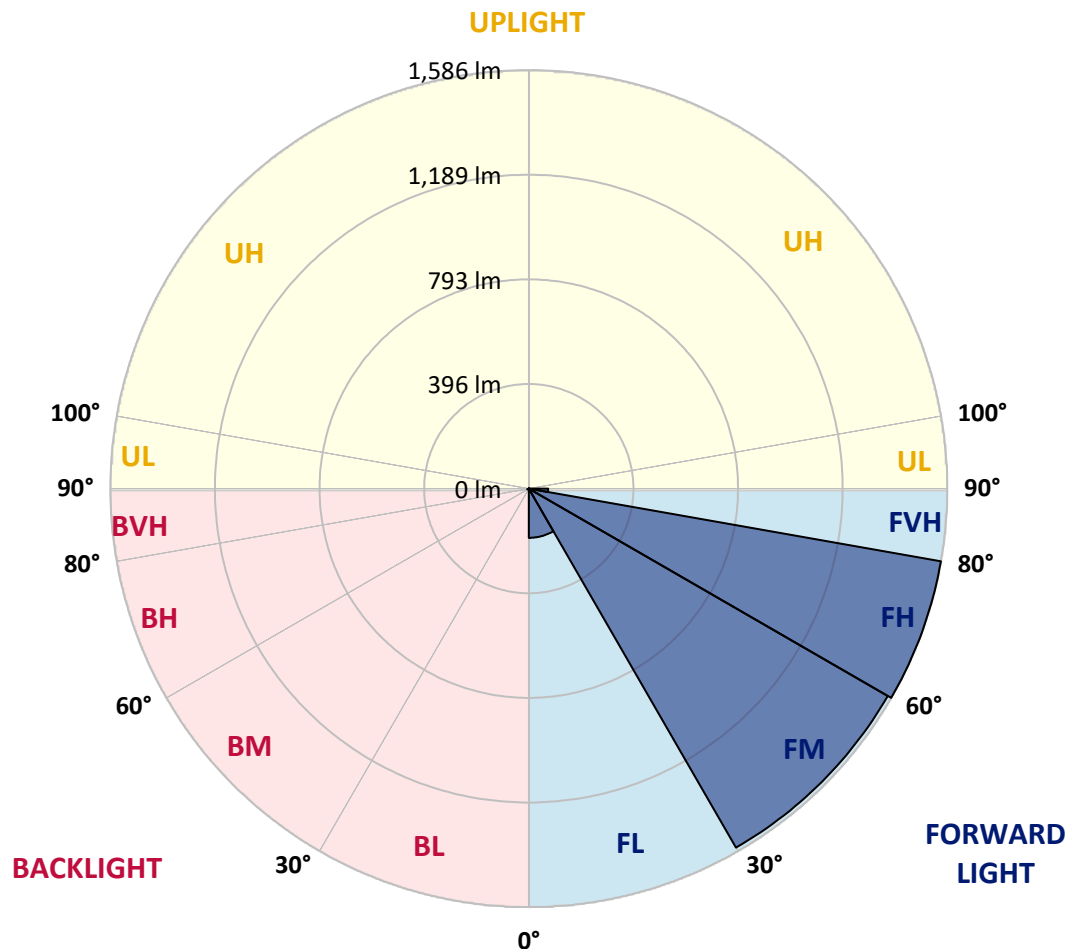
CATALOG NUMBER: NAV-SA1A-735-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.4	5.4			
FM	(30°-60°)	1570.9	45.8			
FH	(60°-80°)	1585.9	46.3			G1/1800
FVH	(80°-90°)	73.0	2.1			G1/100
BL	(0°-30°)	2.3	0.1	B0/110		
BM	(30°-60°)	2.0	0.1	B0/220		
BH	(60°-80°)	5.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type IV Short



REPORT NUMBER: P1067485

CATALOG NUMBER: NAV-SA1A-735-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
2.5°	24.2	24.2	24.2	23.3	23.3	22.3	22.3	21.4	20.5	20.5	19.5
5°	45.6	46.5	43.7	38.1	34.4	32.6	30.7	26.1	23.3	21.4	19.5
7.5°	124.7	120.9	115.4	96.8	74.4	63.3	54.0	38.1	27.9	22.3	19.5
10°	262.4	252.1	236.3	211.2	167.5	149.8	116.3	69.8	39.1	25.1	19.5
12.5°	385.2	387.0	367.5	343.3	290.3	260.5	214.9	131.2	61.4	29.8	19.5
15°	478.2	476.3	468.9	449.4	401.9	373.1	332.1	220.5	103.3	37.2	20.5
17.5°	551.7	544.3	541.5	533.1	502.4	486.6	441.9	324.7	163.7	50.2	21.4
20°	625.2	623.3	620.5	611.2	590.8	579.6	545.2	429.8	243.8	71.6	23.3
22.5°	732.2	722.0	723.8	703.4	686.6	667.1	639.2	541.5	335.9	102.3	26.1
25°	857.8	856.9	842.0	832.7	804.8	783.4	746.1	649.4	438.2	147.9	28.8
27.5°	1005.7	995.5	989.0	973.2	944.3	920.1	869.0	756.4	548.9	199.1	32.6
30°	1160.2	1160.2	1148.1	1123.9	1096.0	1066.2	1014.1	869.0	658.7	264.2	37.2
32.5°	1340.6	1344.4	1314.6	1278.3	1242.0	1221.6	1153.6	996.4	763.8	338.7	42.8
35°	1515.6	1510.9	1461.6	1421.6	1394.6	1372.3	1314.6	1136.0	882.9	425.2	50.2
37.5°	1683.0	1670.9	1589.1	1532.3	1520.2	1505.3	1447.6	1275.5	1001.1	521.0	59.5
40°	1803.0	1784.4	1699.8	1621.6	1603.9	1595.6	1550.9	1402.1	1125.7	628.0	71.6
42.5°	1855.1	1833.7	1775.1	1711.9	1672.8	1653.2	1614.2	1505.3	1250.4	747.1	89.3
45°	1865.4	1848.6	1806.8	1791.9	1738.8	1709.1	1656.0	1578.8	1366.7	865.2	113.5
47.5°	1828.2	1820.7	1795.6	1827.2	1800.2	1759.3	1695.1	1633.7	1470.0	1008.5	147.0
50°	1737.0	1731.4	1743.5	1826.3	1844.9	1798.4	1737.9	1676.5	1559.3	1156.4	194.4
52.5°	1614.2	1613.2	1670.0	1802.1	1864.4	1835.6	1779.8	1719.3	1630.0	1299.7	261.4
55°	1480.2	1496.0	1595.6	1779.8	1875.6	1862.6	1820.7	1757.4	1693.3	1432.8	369.4
57.5°	1469.0	1462.5	1558.4	1770.5	1882.1	1889.6	1861.6	1797.5	1747.2	1541.6	513.6
60°	1580.7	1565.8	1602.1	1790.0	1911.0	1924.0	1902.6	1828.2	1801.2	1627.2	703.4
62.5°	1710.0	1696.0	1714.7	1865.4	1967.7	1986.3	1959.3	1859.8	1844.9	1686.7	907.1
65°	1813.3	1802.1	1837.5	1977.9	2046.8	2062.6	2044.0	1918.4	1864.4	1735.1	1072.7
67.5°	1830.0	1816.1	1889.6	2053.3	2126.8	2138.0	2123.1	1975.2	1857.9	1738.8	1110.8
70°	1782.6	1770.5	1875.6	2077.5	2161.2	2170.5	2123.1	1948.2	1769.5	1643.9	908.0
72.5°	1636.5	1645.8	1781.6	2018.9	2113.8	2071.0	1970.5	1812.3	1655.1	1393.7	637.3
75°	1409.5	1419.7	1600.2	1857.9	1865.4	1813.3	1759.3	1667.2	1481.1	918.3	441.9
77.5°	1002.0	965.7	1235.5	1534.2	1507.2	1540.7	1545.3	1387.2	1240.2	478.2	295.9
80°	98.6	83.7	155.4	440.1	972.2	1086.7	1131.3	1069.0	914.5	214.0	155.4
82.5°	21.4	21.4	23.3	25.1	39.1	58.6	268.9	658.7	590.8	108.9	50.2
85°	12.1	12.1	14.9	17.7	23.3	26.1	30.7	40.9	159.1	39.1	9.3
87.5°	9.3	10.2	12.1	14.9	19.5	21.4	26.1	32.6	40.0	36.3	2.8
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: P1067485

CATALOG NUMBER: NAV-SA1A-735-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
2.5°	19.5	18.6	17.7	16.7	15.8	15.8	14.9	14.9	14.9	14.9	14.9
5°	18.6	17.7	16.7	14.9	14.0	13.0	12.1	12.1	12.1	12.1	12.1
7.5°	18.6	17.7	15.8	14.0	12.1	11.2	10.2	9.3	9.3	10.2	10.2
10°	18.6	16.7	14.0	12.1	10.2	9.3	8.4	7.4	7.4	7.4	7.4
12.5°	17.7	15.8	13.0	11.2	9.3	7.4	5.6	4.7	4.7	4.7	4.7
15°	16.7	14.9	12.1	9.3	6.5	4.7	3.7	2.8	2.8	2.8	2.8
17.5°	16.7	14.0	11.2	8.4	4.7	2.8	1.9	0.9	0.9	0.9	1.9
20°	16.7	14.0	10.2	6.5	2.8	1.9	1.9	0.9	0.0	0.9	0.9
22.5°	16.7	13.0	8.4	4.7	2.8	1.9	0.9	0.0	0.0	0.0	0.0
25°	17.7	13.0	7.4	3.7	1.9	0.9	0.0	0.0	0.0	0.0	0.0
27.5°	17.7	12.1	6.5	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	18.6	12.1	5.6	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	18.6	11.2	3.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	18.6	10.2	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	18.6	9.3	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	19.5	8.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	20.5	7.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	21.4	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	24.2	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	27.9	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	33.5	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	43.7	5.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	63.3	5.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	106.1	5.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	186.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	314.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	410.3	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	311.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	148.9	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	66.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	28.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	11.2	1.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.7	1.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
85°	2.8	1.9	1.9	1.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	1.9	1.9	1.9	1.9	1.9	0.9	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

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: SP1-2407-184-5

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

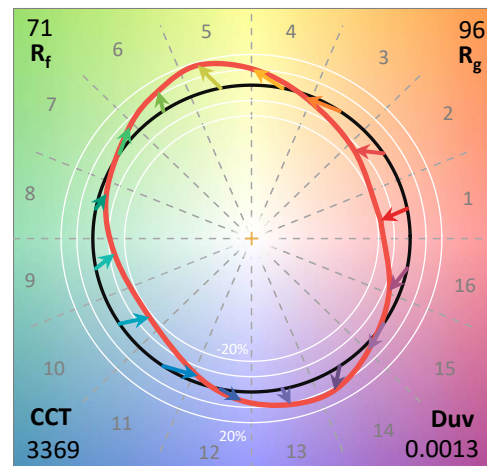
Test Information

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

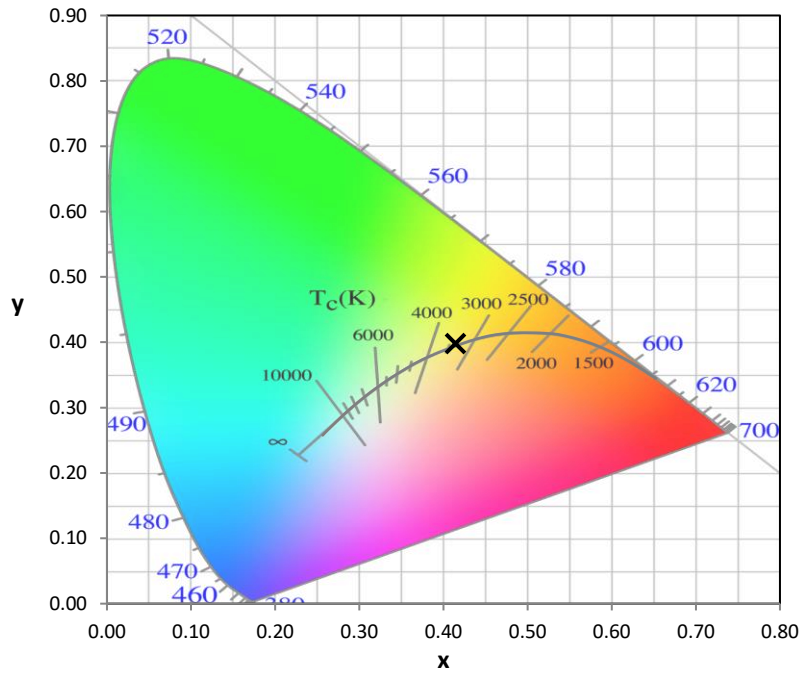
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

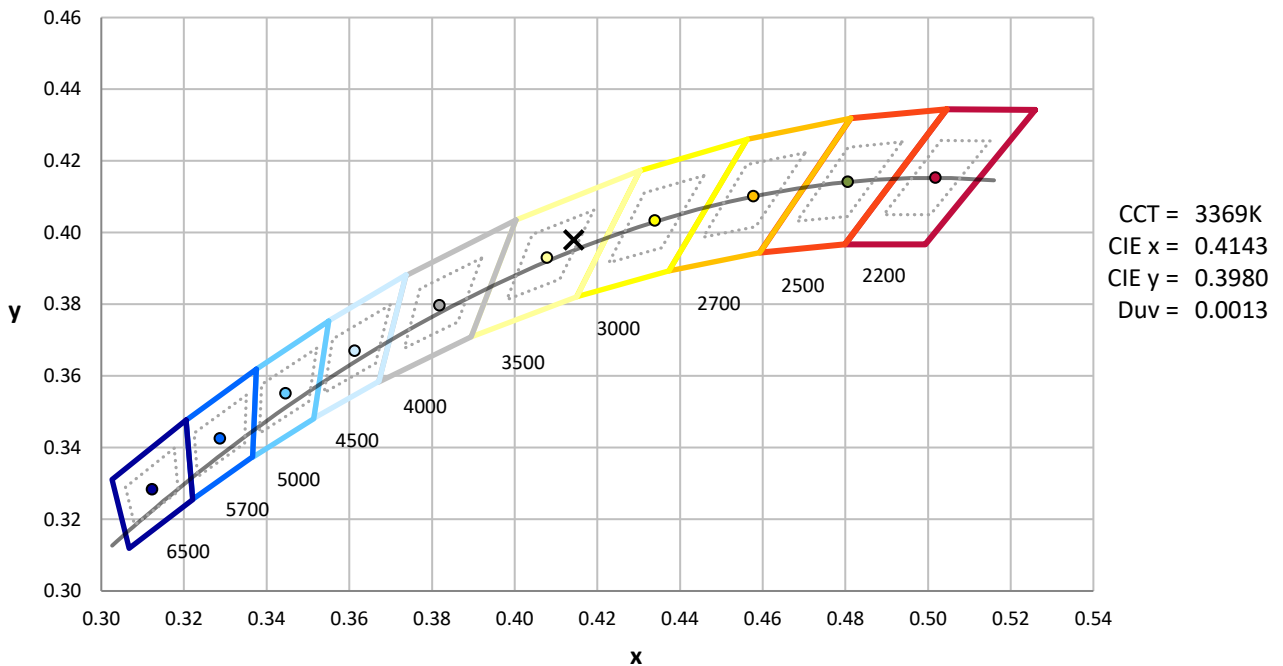
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



REPORT NUMBER: SP1-2407-184-5

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	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

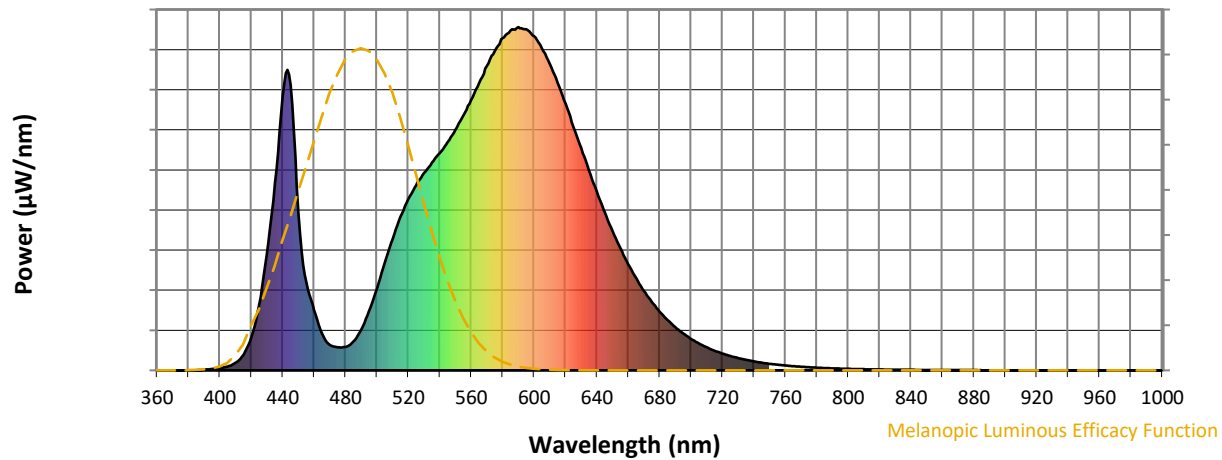
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.29

λ (nm)	Power W [^] /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	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

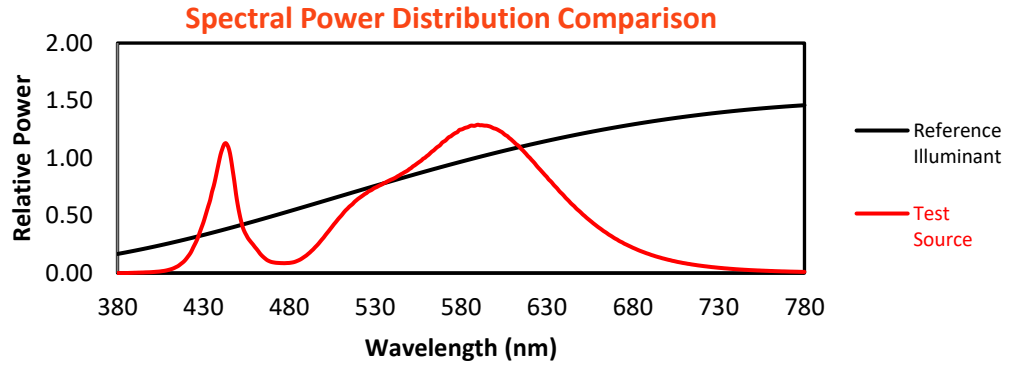
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630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

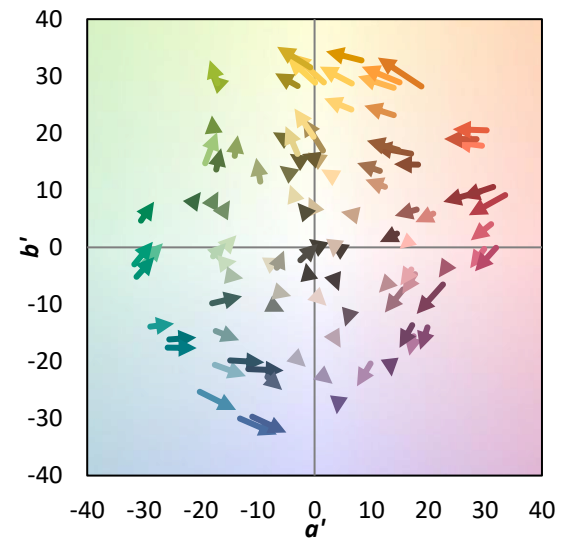
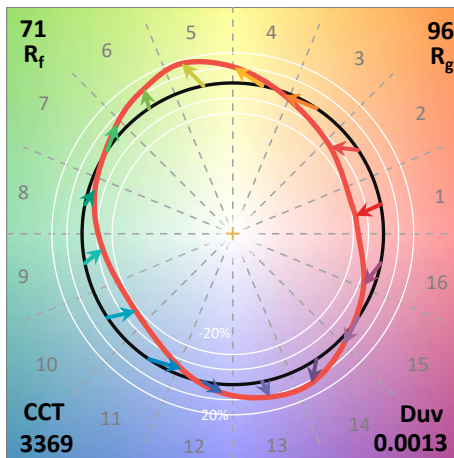
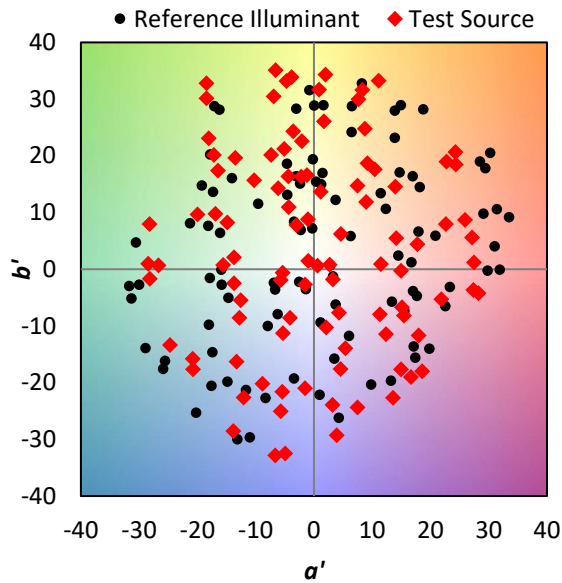
TM-30-18

Summary

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

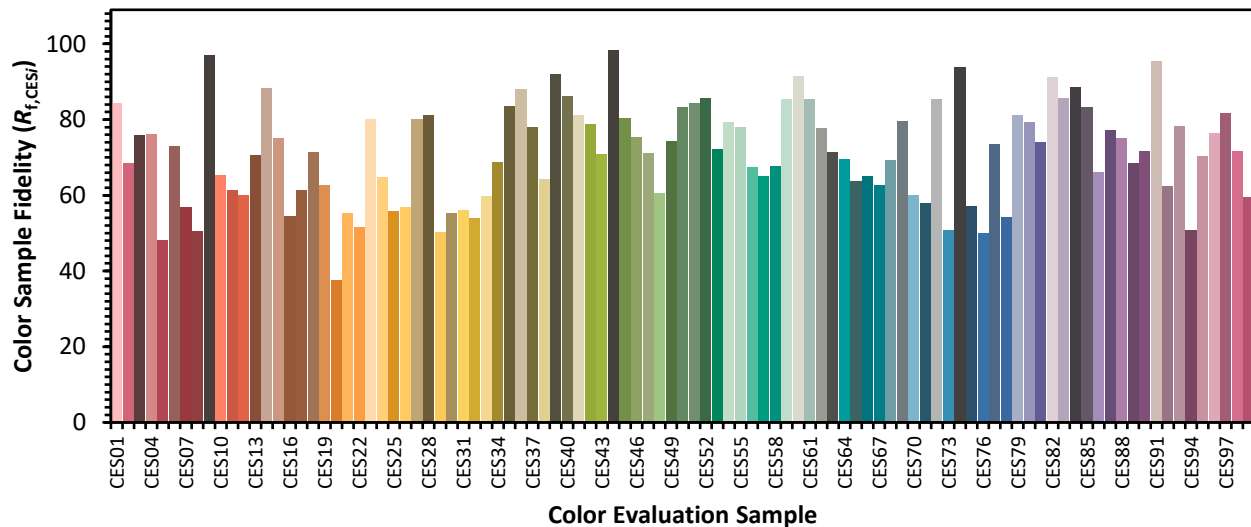


Color Vector Graphics



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

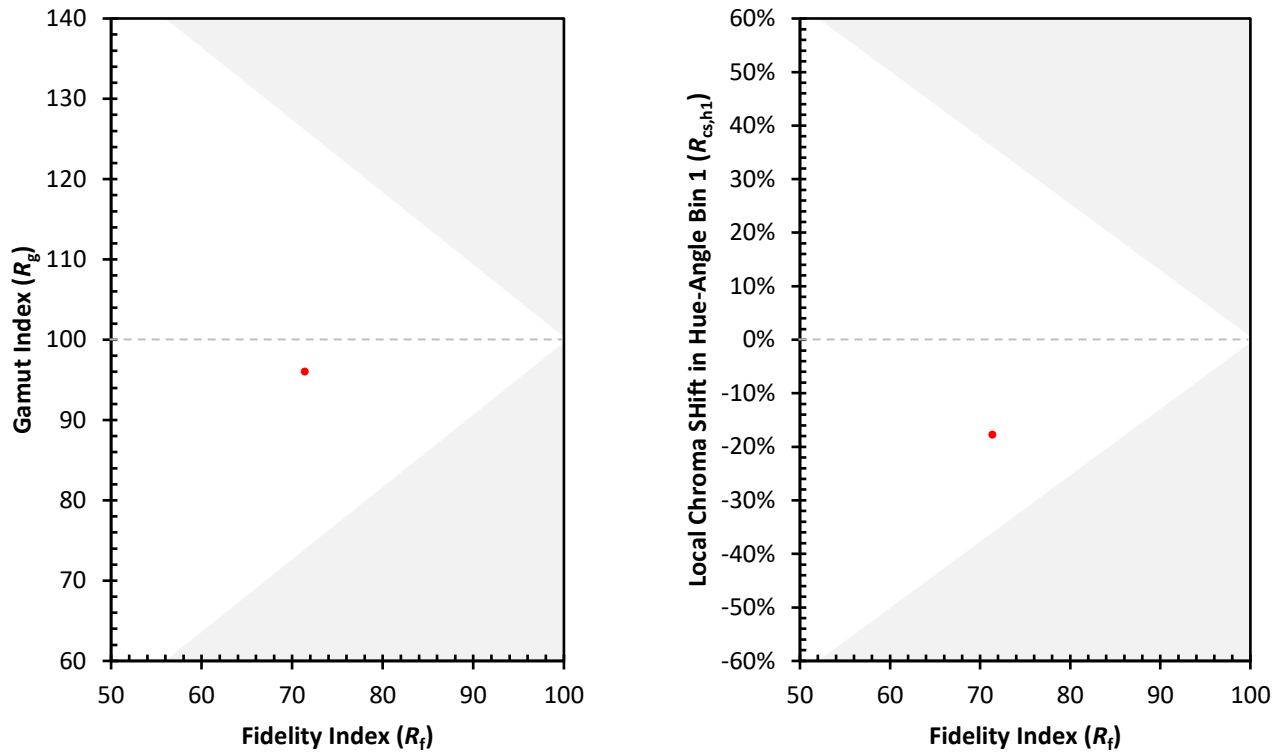
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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