

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: P1067264

Luminaire Tested: **NAV-SA5D-735-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067264
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5D-735-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 5xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27870.6 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 269.7
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



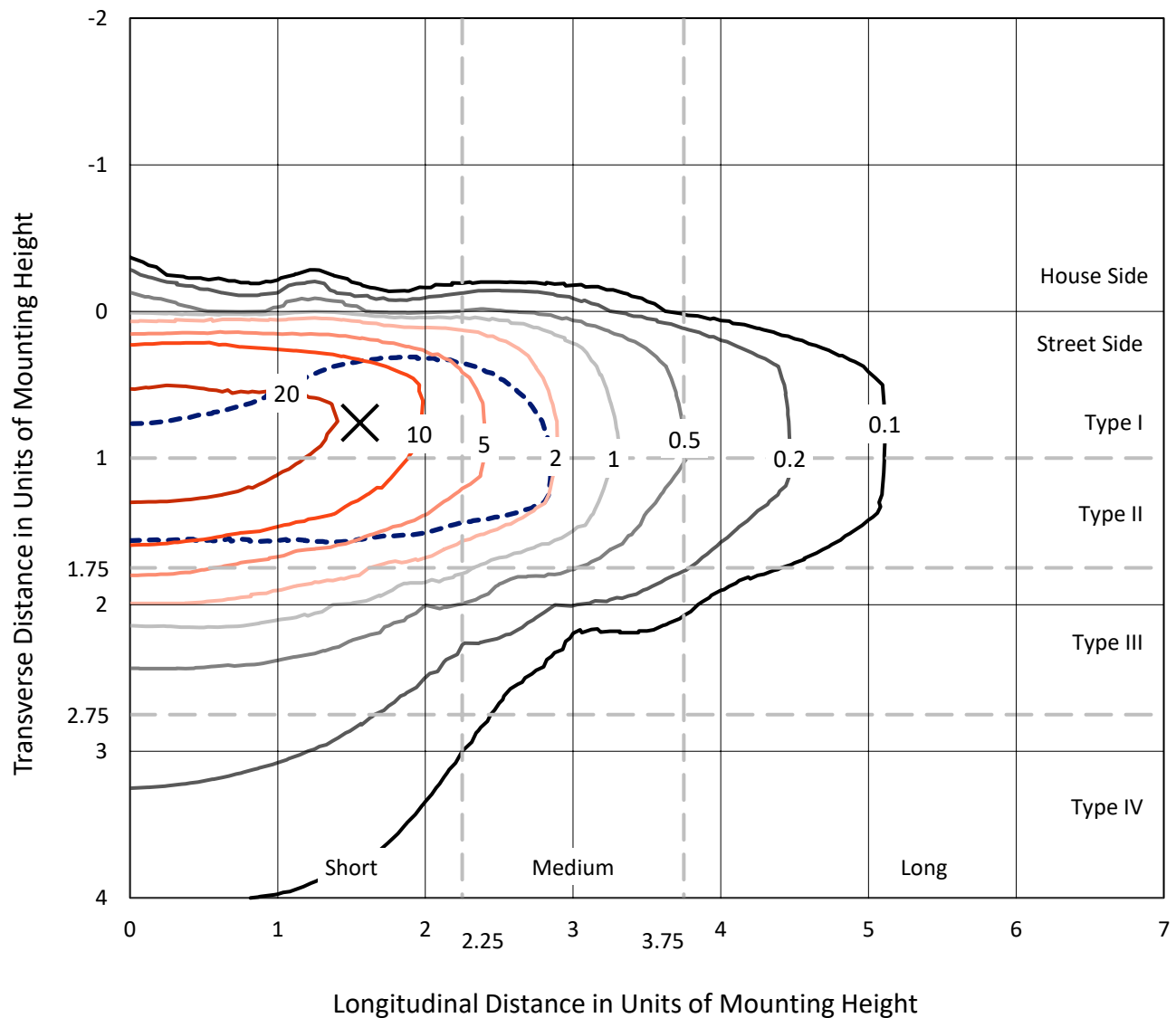
REPORT NUMBER: P1067264

CATALOG NUMBER: NAV-SA5D-735-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

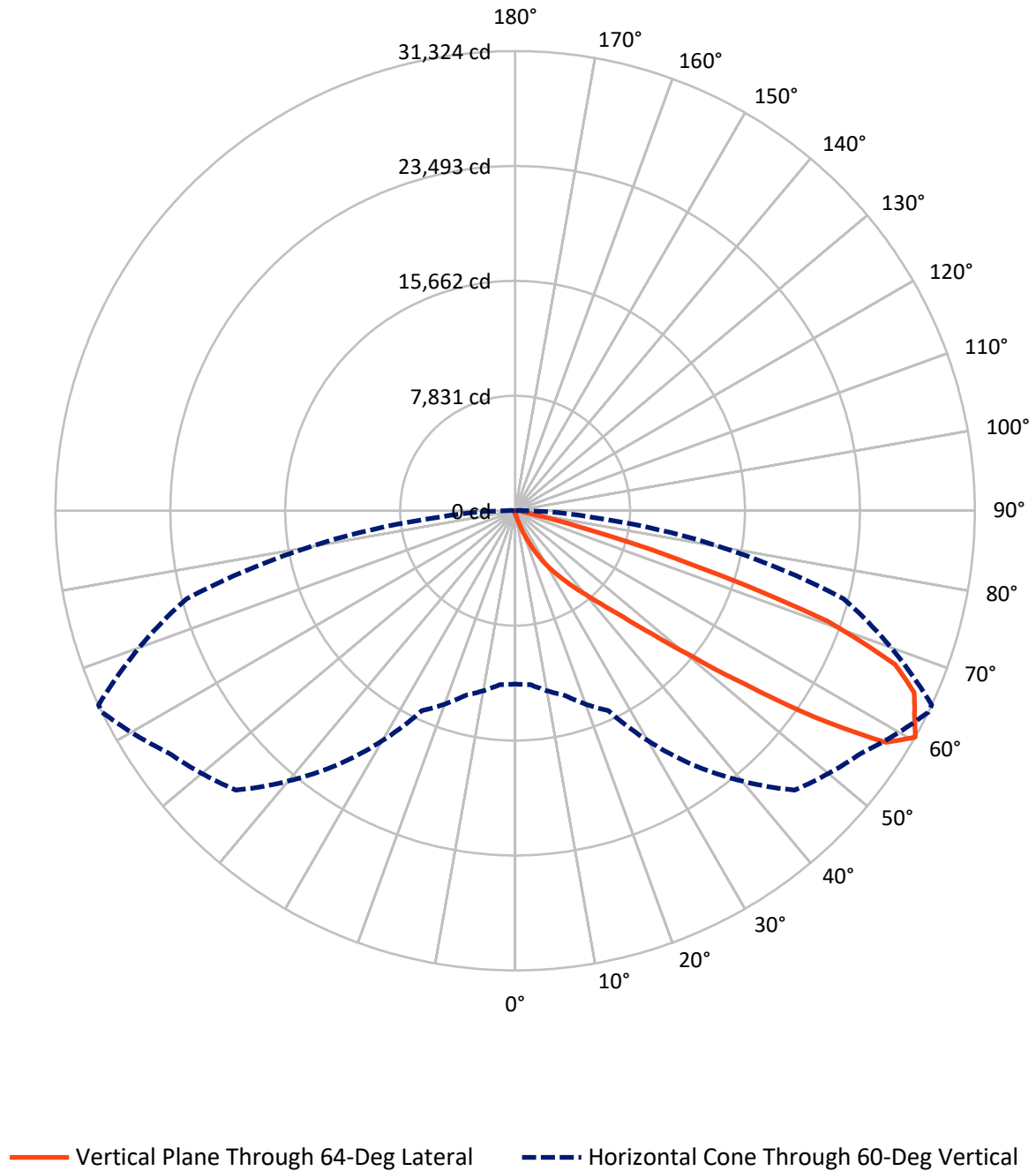


Based on 15 foot mounting height. Maximum calculated value = 40 fc
 Type II - Short - N/A

REPORT NUMBER: P1067264

CATALOG NUMBER: NAV-SA5D-735-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067264

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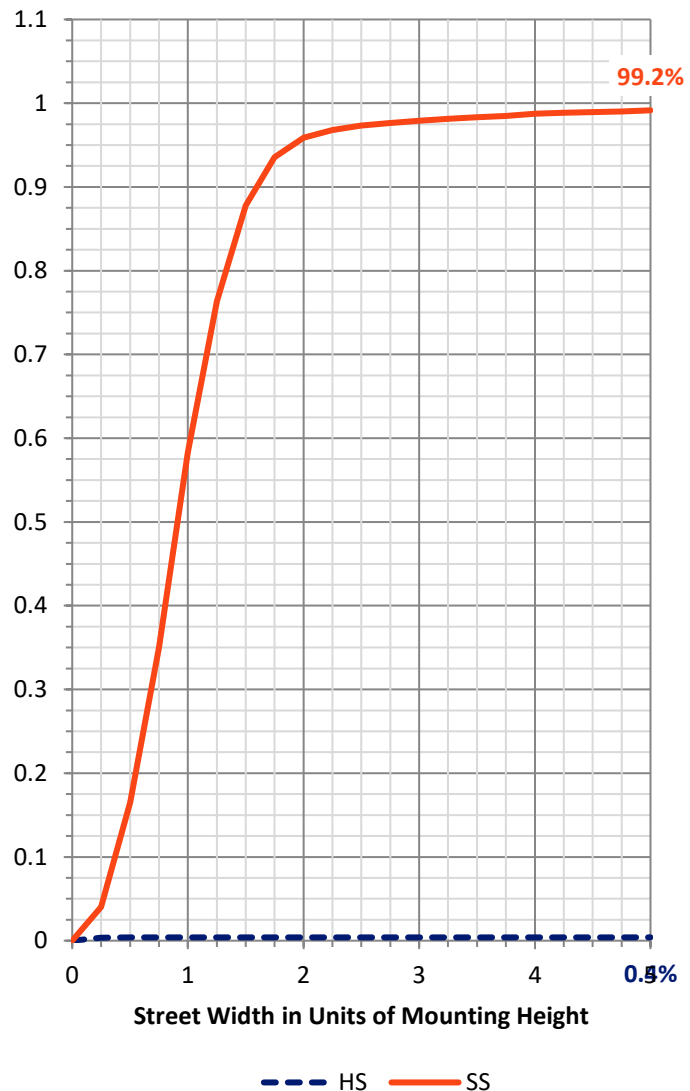
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	113.0	0.0	113.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	27757.7	0.0	27757.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	27870.6	0.0	27870.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	0.1
10°-20°	273.9	1.0
20°-30°	909.6	3.3
30°-40°	2427.2	8.7
40°-50°	6169.3	22.1
50°-60°	8993.4	32.3
60°-70°	6946.6	24.9
70°-80°	1907.6	6.8
80°-90°	215.3	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°	27870.6	100.0
0°-180°	27870.6	100.0



REPORT NUMBER: P1067264

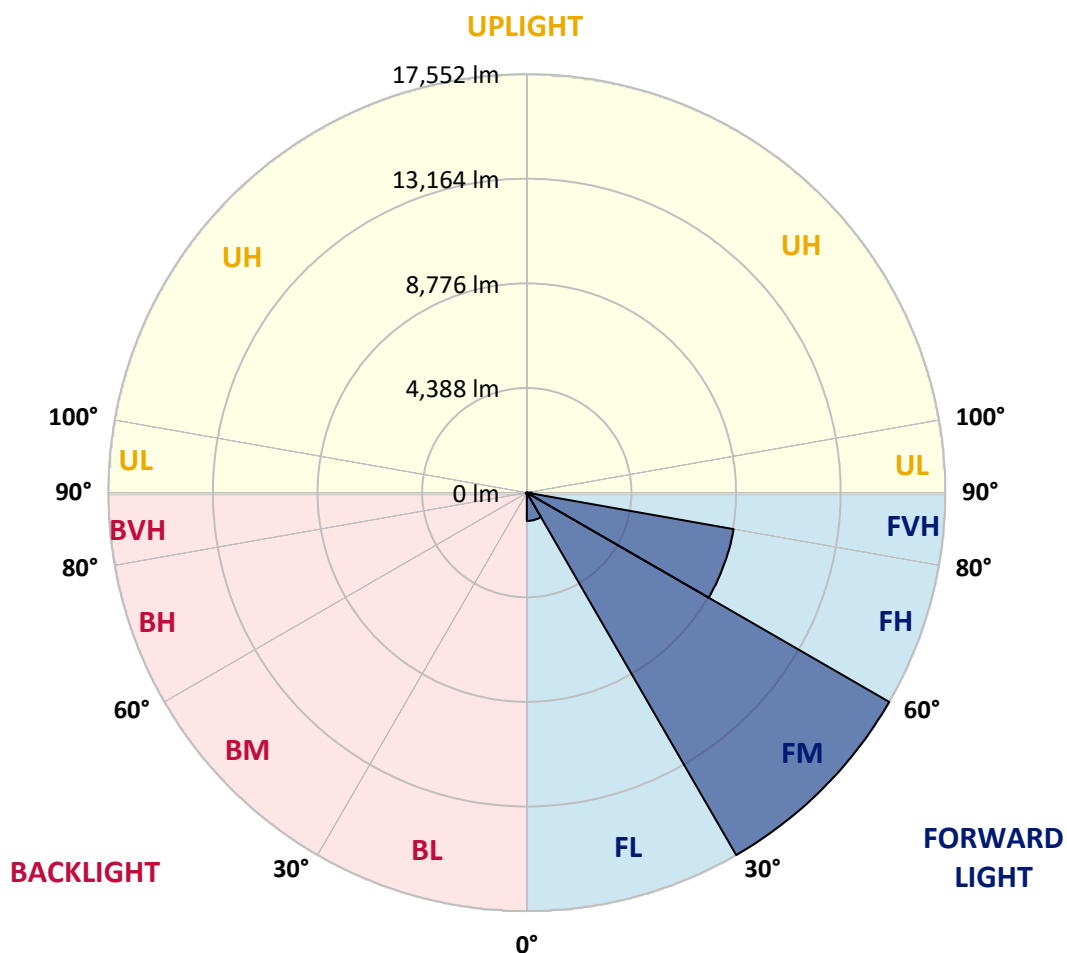
CATALOG NUMBER: NAV-SA5D-735-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1185.9	4.3			
FM	(30°-60°)	17552.4	63.0			
FH	(60°-80°)	8809.1	31.6			G4/12000
FVH	(80°-90°)	210.2	0.8			G2/225
BL	(0°-30°)	25.4	0.1	B0/110		
BM	(30°-60°)	37.4	0.1	B0/220		
BH	(60°-80°)	45.1	0.2	B0/110		G0/110
BVH	(80°-90°)	5.1	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 II Short



REPORT NUMBER: P1067264

CATALOG NUMBER: NAV-SA5D-735-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1
2.5°	245.5	245.5	245.5	237.8	230.2	230.2	222.5	214.8	214.8	199.5	191.8
5°	375.9	375.9	360.6	345.2	322.2	291.5	260.8	237.8	237.8	214.8	199.5
7.5°	736.5	759.5	690.5	606.1	491.0	414.3	329.9	276.2	268.5	230.2	199.5
10°	1595.7	1580.4	1473.0	1265.8	997.3	721.1	460.3	337.6	322.2	245.5	199.5
12.5°	2401.3	2424.3	2309.2	2079.1	1756.8	1281.2	790.2	437.3	421.9	268.5	199.5
15°	3091.7	3091.7	3015.0	2899.9	2547.0	2048.4	1273.5	652.1	598.4	291.5	191.8
17.5°	3567.4	3559.7	3529.0	3498.3	3291.2	2777.2	1948.6	1043.4	920.6	345.2	191.8
20°	4104.4	4081.4	4119.8	4058.4	3897.3	3490.7	2662.1	1549.7	1434.6	437.3	191.8
22.5°	4664.4	4687.5	4718.2	4656.8	4480.3	4127.4	3413.9	2201.8	2079.1	606.1	199.5
25°	5377.9	5362.6	5431.6	5377.9	5155.4	4741.2	4119.8	2915.3	2738.8	843.9	214.8
27.5°	6252.5	6221.8	6267.9	6129.8	5838.2	5416.3	4748.8	3644.1	3437.0	1212.1	245.5
30°	7411.0	7434.0	7226.8	7065.7	6651.4	6091.4	5447.0	4426.6	4211.8	1649.4	276.2
32.5°	9236.8	9075.7	8753.5	8101.4	7556.7	6843.2	6145.1	5109.4	4917.6	2209.5	322.2
35°	12083.1	12113.8	11408.0	9796.9	8615.4	7786.9	6912.3	5861.2	5723.2	2846.2	383.6
37.5°	15550.7	15466.3	14844.9	12811.9	10165.1	8960.7	7786.9	6682.1	6482.7	3536.7	460.3
40°	19478.7	19125.8	18765.2	17384.3	13394.9	10433.6	8891.6	7633.4	7480.0	4334.6	583.1
42.5°	22624.1	22532.1	22593.4	22018.0	18780.5	12942.3	10356.9	8799.5	8615.4	5324.2	797.9
45°	24173.8	24043.4	24411.6	24841.3	24012.7	18281.9	12719.8	10287.9	10042.4	6490.3	1127.8
47.5°	23759.5	23667.5	24457.7	25301.6	26406.3	24473.0	16578.7	12512.7	12090.7	7986.3	1618.7
50°	21718.8	21726.5	23023.0	24595.8	26344.9	27610.8	22294.2	15558.4	15029.0	9973.3	2385.9
52.5°	19731.8	19793.2	21166.5	23460.3	25432.0	27979.0	27311.6	19662.8	18803.6	12313.2	3291.2
55°	17691.2	17721.8	18934.0	22163.8	25002.4	26882.0	29889.3	24948.7	24035.7	15228.5	4173.5
57.5°	15727.2	15727.2	16179.8	19049.1	24534.4	26782.2	29582.4	29781.9	29037.7	18558.1	4825.6
60°	11814.6	11891.3	13019.0	15029.0	21158.8	26928.0	28799.9	31323.9	31323.9	23176.5	5324.2
62.5°	5968.7	6083.7	7487.7	9444.0	14515.0	24918.0	28922.7	30549.1	30671.8	27250.2	6459.6
65°	2800.2	2930.6	3682.5	5063.4	7809.9	17537.7	27649.1	29889.3	29850.9	26475.4	8853.2
67.5°	2010.0	2048.4	2301.5	2953.6	4204.1	7687.1	21105.1	27917.6	27933.0	22493.7	10180.5
70°	1802.9	1802.9	1864.2	2056.0	2531.7	3437.0	10257.2	22608.8	23705.8	17368.9	9436.3
72.5°	1779.9	1764.5	1749.2	1756.8	1710.8	1726.2	3521.4	12765.9	14330.9	12152.1	7526.0
75°	1733.8	1733.8	1718.5	1664.8	1365.6	1112.4	1212.1	5163.1	5968.7	8116.8	5585.1
77.5°	1373.3	1511.3	1672.5	1572.7	1250.5	836.2	705.8	1496.0	1887.3	4979.0	4050.7
80°	636.8	644.4	636.8	667.4	797.9	598.4	521.7	728.8	736.5	2761.8	2508.7
82.5°	460.3	468.0	445.0	398.9	352.9	322.2	429.6	537.0	575.4	1265.8	936.0
85°	138.1	130.4	153.4	207.1	245.5	283.9	360.6	452.6	475.7	468.0	138.1
87.5°	61.4	61.4	76.7	107.4	145.8	214.8	314.5	414.3	421.9	483.3	38.4
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: P1067264

CATALOG NUMBER: NAV-SA5D-735-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1
2.5°	191.8	184.1	176.5	168.8	161.1	153.4	145.8	145.8	153.4	153.4	153.4
5°	184.1	176.5	161.1	145.8	138.1	130.4	122.7	122.7	130.4	130.4	130.4
7.5°	184.1	168.8	153.4	138.1	122.7	115.1	107.4	107.4	107.4	115.1	115.1
10°	184.1	168.8	145.8	122.7	107.4	99.7	92.1	84.4	92.1	92.1	92.1
12.5°	176.5	161.1	138.1	115.1	92.1	76.7	69.0	69.0	69.0	69.0	69.0
15°	168.8	153.4	130.4	99.7	76.7	61.4	46.0	46.0	46.0	53.7	53.7
17.5°	161.1	145.8	115.1	76.7	53.7	38.4	30.7	30.7	30.7	38.4	38.4
20°	161.1	138.1	99.7	61.4	38.4	23.0	15.3	15.3	15.3	23.0	30.7
22.5°	161.1	138.1	92.1	46.0	23.0	15.3	7.7	7.7	7.7	7.7	7.7
25°	161.1	130.4	84.4	38.4	15.3	7.7	0.0	0.0	7.7	15.3	23.0
27.5°	161.1	122.7	69.0	23.0	15.3	7.7	0.0	7.7	15.3	15.3	15.3
30°	161.1	122.7	61.4	23.0	7.7	0.0	0.0	7.7	15.3	15.3	23.0
32.5°	168.8	115.1	53.7	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	176.5	107.4	46.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	191.8	107.4	30.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	214.8	115.1	30.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	268.5	122.7	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	375.9	153.4	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	552.4	230.2	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	805.5	314.5	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	989.7	314.5	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	982.0	199.5	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	751.8	138.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	636.8	99.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	767.2	76.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1365.6	69.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2194.1	69.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2455.0	69.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1917.9	61.4	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1051.0	53.7	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	529.4	38.4	15.3	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	222.5	30.7	15.3	7.7	7.7	7.7	0.0	0.0	0.0	0.0	0.0
82.5°	76.7	30.7	15.3	15.3	7.7	7.7	0.0	0.0	0.0	0.0	0.0
85°	38.4	23.0	23.0	15.3	15.3	7.7	7.7	0.0	0.0	0.0	0.0
87.5°	23.0	23.0	23.0	15.3	15.3	7.7	7.7	0.0	0.0	0.0	7.7
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

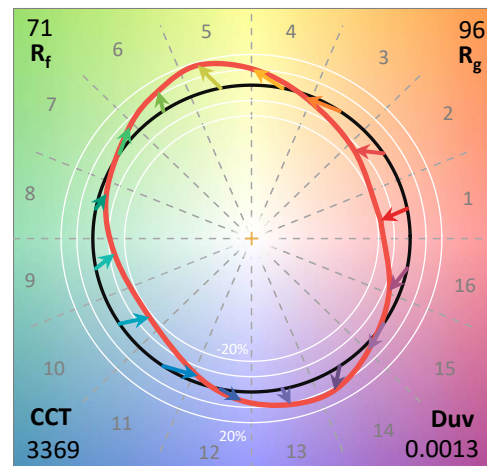
Test Information

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

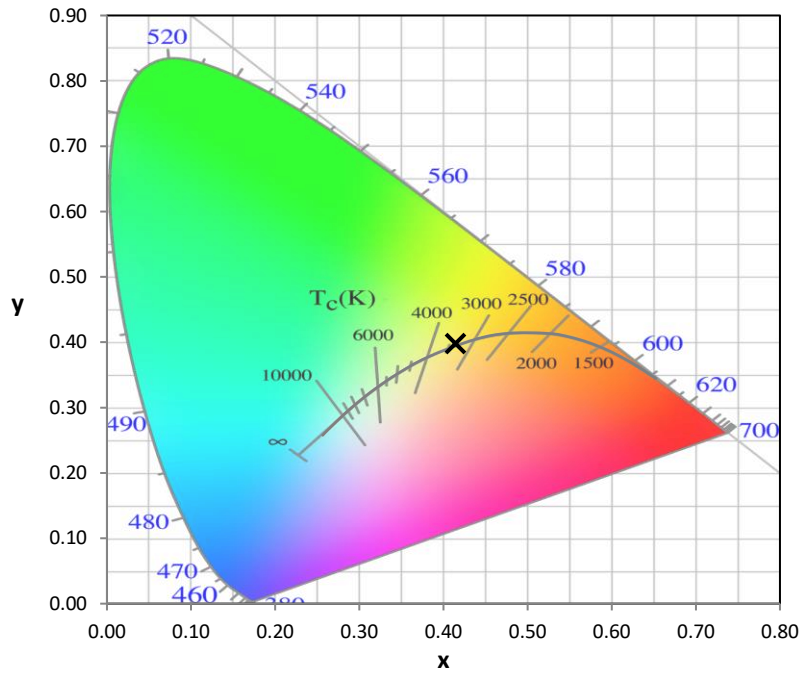
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

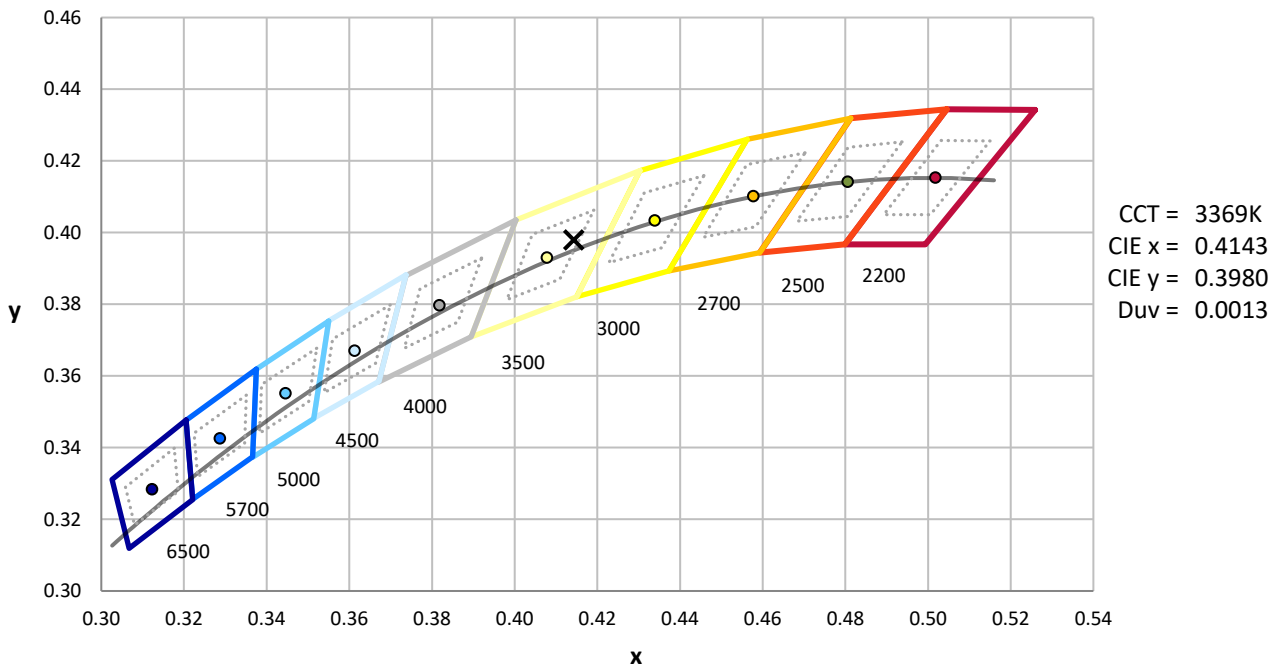
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



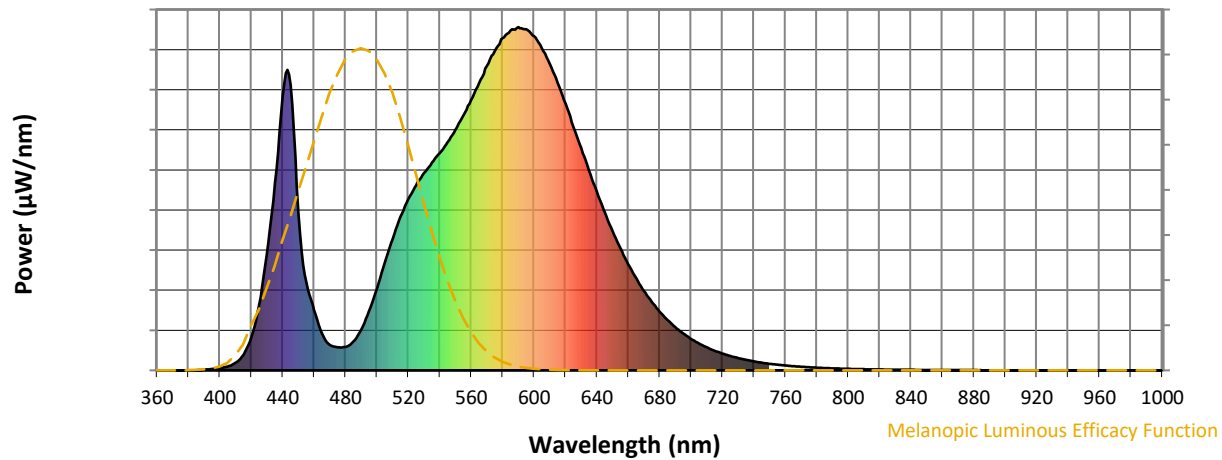
Scotopic Lumens: NR

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

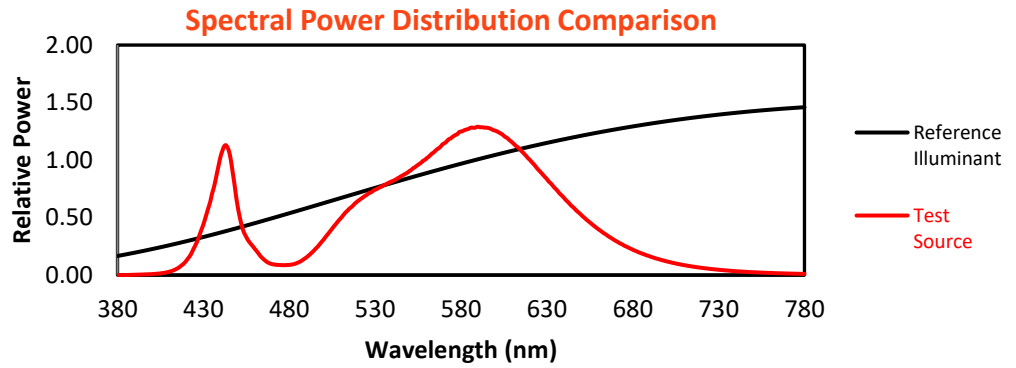
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630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

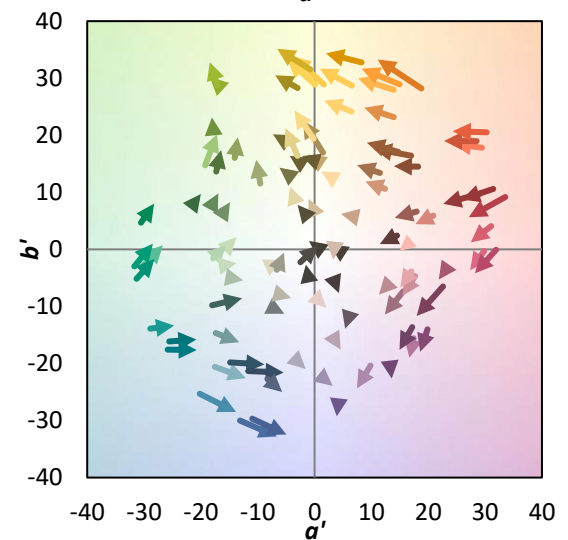
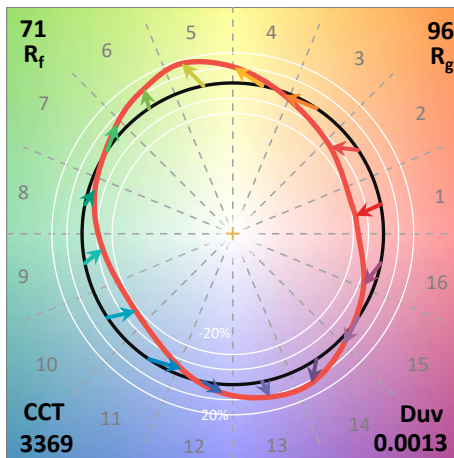
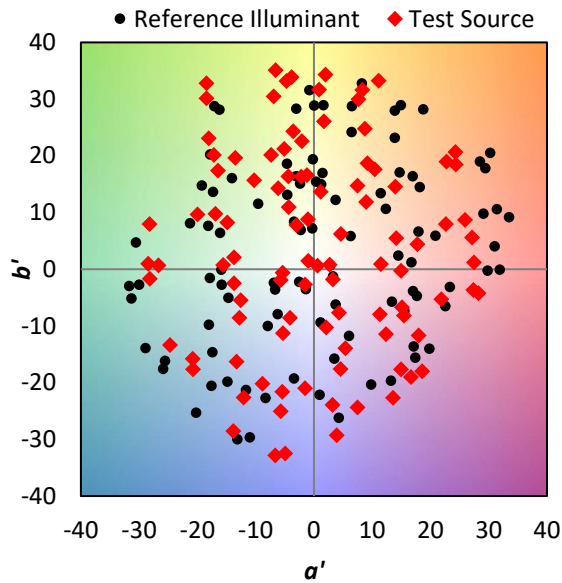
TM-30-18

Summary

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

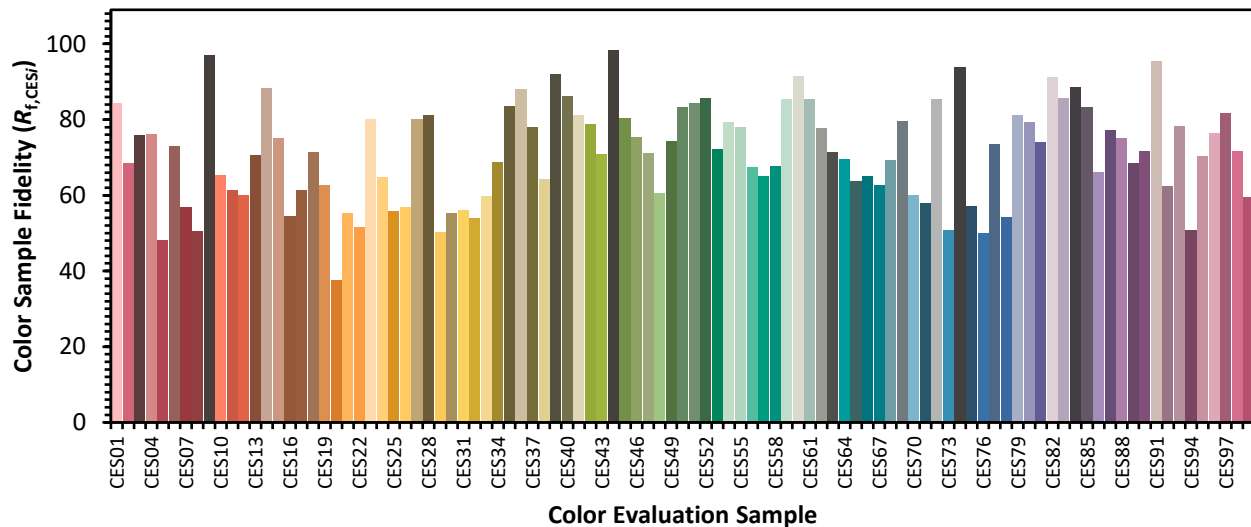


Color Vector Graphics



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

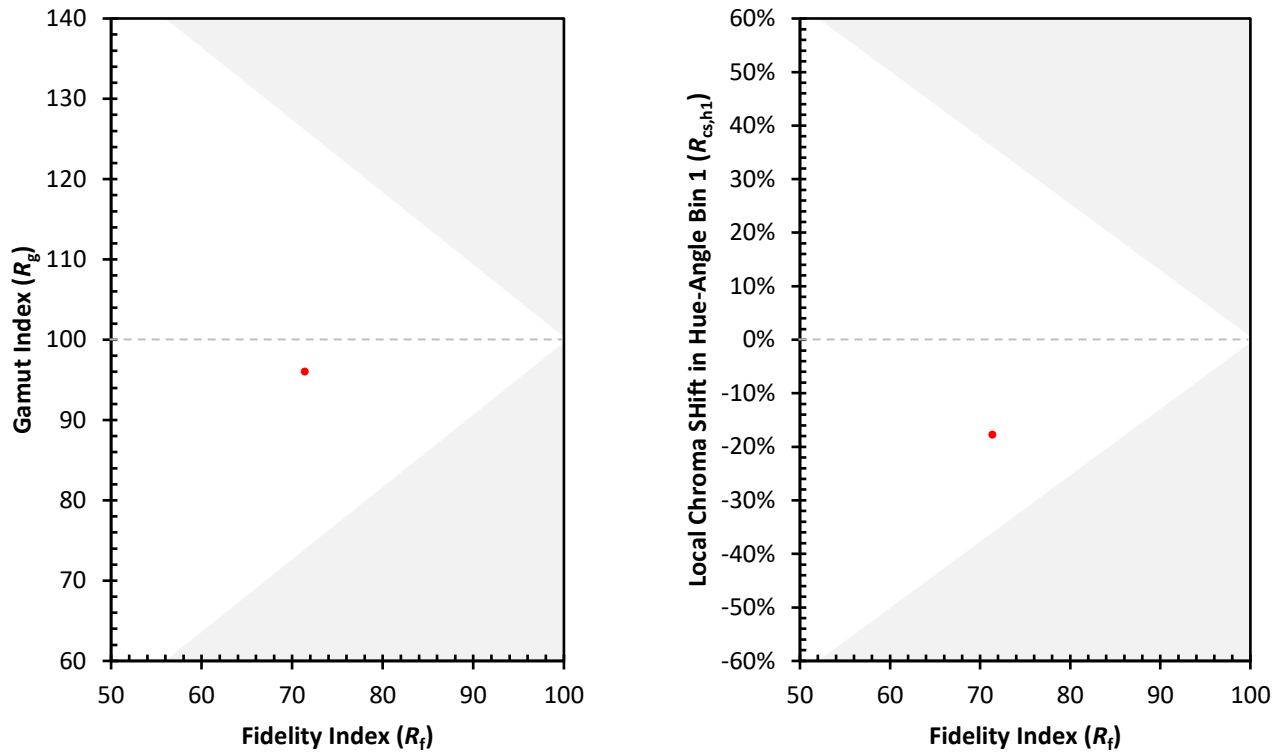
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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