

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: P1067245

Luminaire Tested: **NAV-SA1A-735-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067245
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-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3379.8 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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



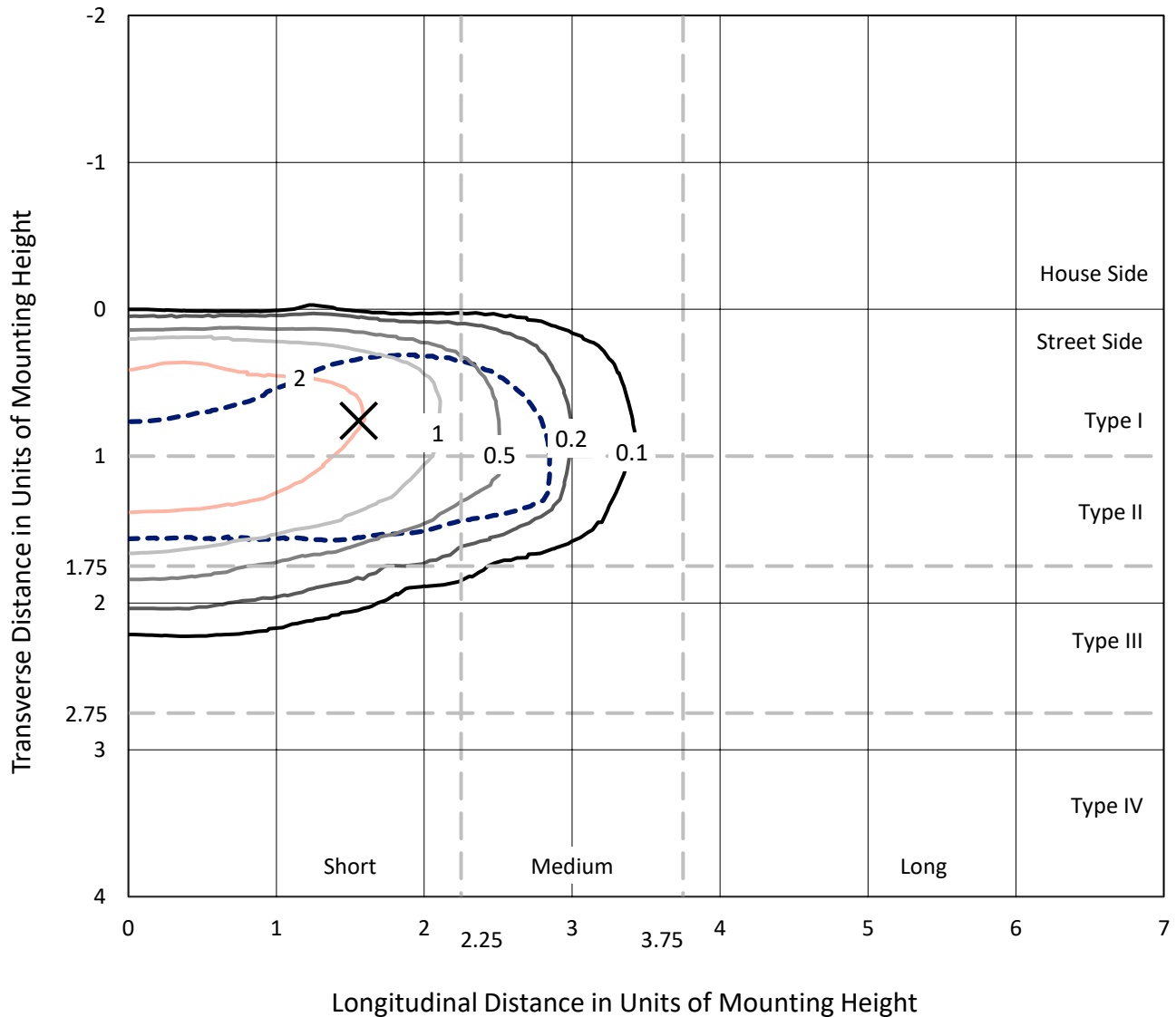
REPORT NUMBER: P1067245

CATALOG NUMBER: NAV-SA1A-735-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

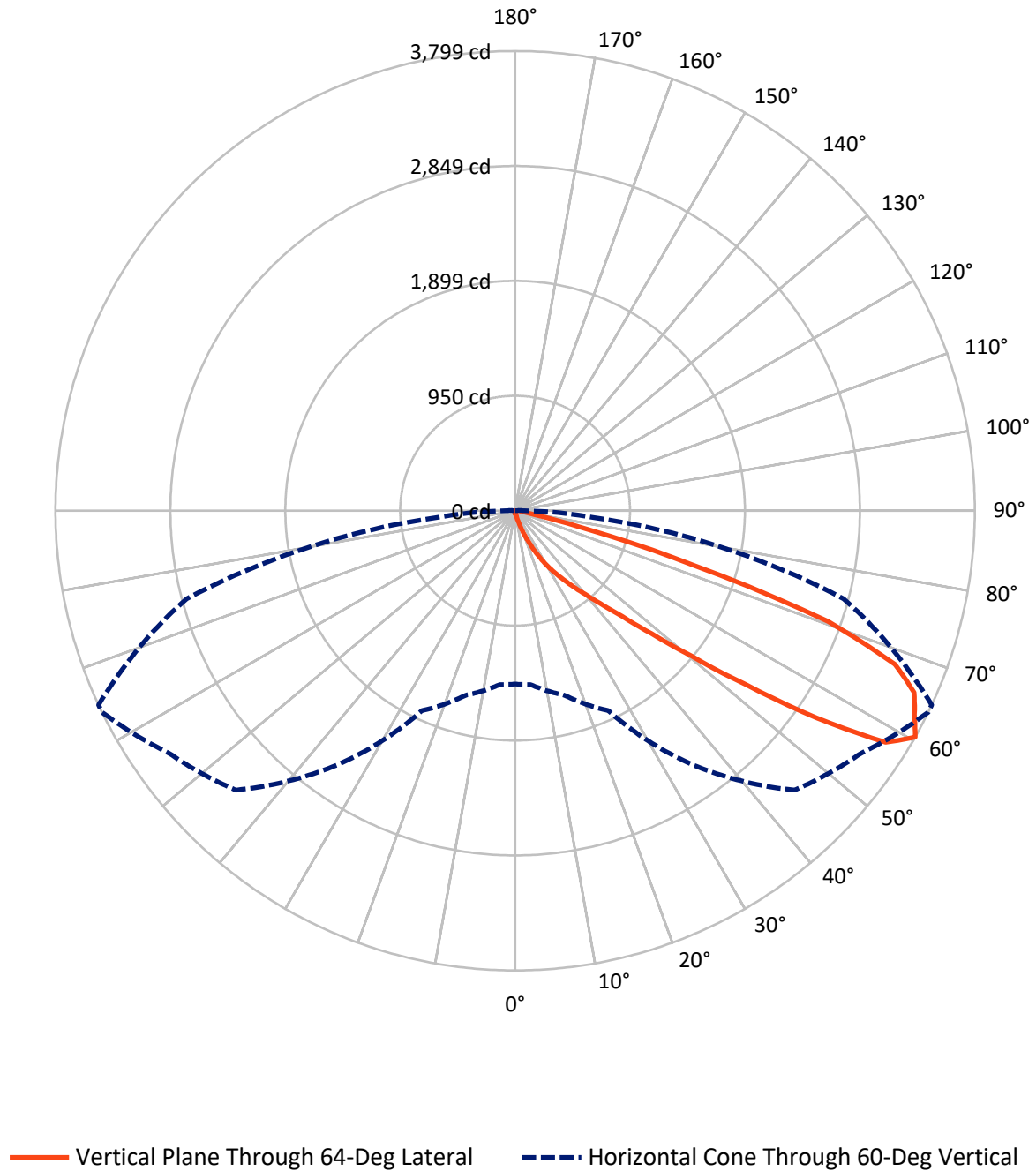


Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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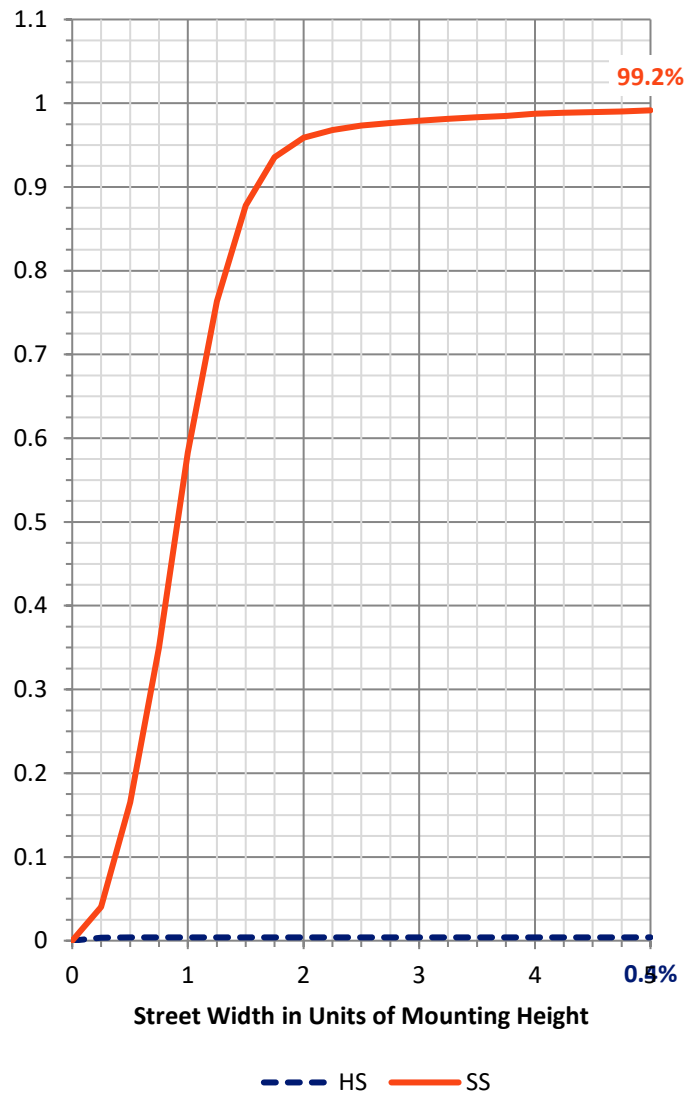
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13.7	0.0	13.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3366.1	0.0	3366.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	3379.8	0.0	3379.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	33.2	1.0
20°-30°	110.3	3.3
30°-40°	294.3	8.7
40°-50°	748.1	22.1
50°-60°	1090.6	32.3
60°-70°	842.4	24.9
70°-80°	231.3	6.8
80°-90°	26.1	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°	3379.8	100.0
0°-180°	3379.8	100.0



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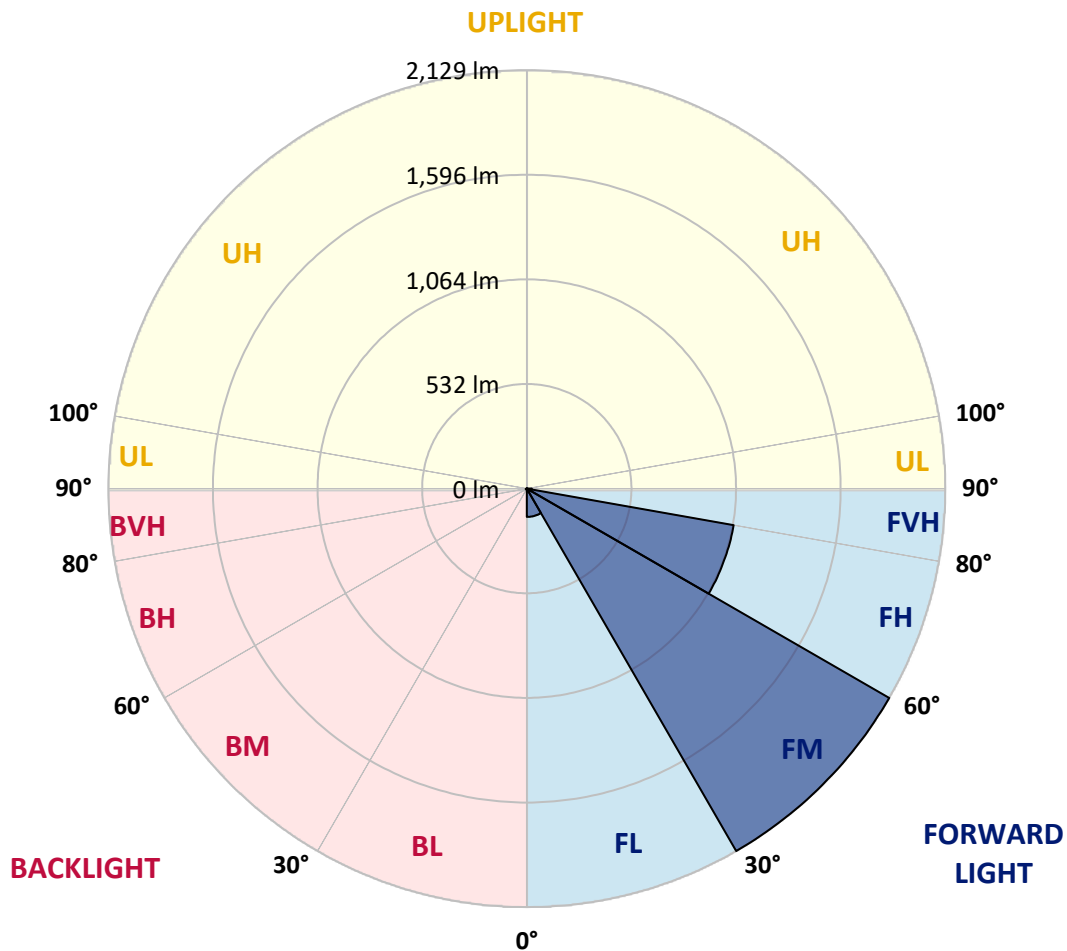
CATALOG NUMBER: NAV-SA1A-735-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.8	4.3			
FM	(30°-60°)	2128.5	63.0			
FH	(60°-80°)	1068.3	31.6			G1/1800
FVH	(80°-90°)	25.5	0.8			G1/100
BL	(0°-30°)	3.1	0.1	B0/110		
BM	(30°-60°)	4.5	0.1	B0/220		
BH	(60°-80°)	5.5	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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 II Short



REPORT NUMBER: P1067245

CATALOG NUMBER: NAV-SA1A-735-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
2.5°	29.8	29.8	29.8	28.8	27.9	27.9	27.0	26.0	26.0	24.2	23.3
5°	45.6	45.6	43.7	41.9	39.1	35.4	31.6	28.8	28.8	26.0	24.2
7.5°	89.3	92.1	83.7	73.5	59.5	50.2	40.0	33.5	32.6	27.9	24.2
10°	193.5	191.6	178.6	153.5	120.9	87.5	55.8	40.9	39.1	29.8	24.2
12.5°	291.2	294.0	280.0	252.1	213.0	155.4	95.8	53.0	51.2	32.6	24.2
15°	374.9	374.9	365.6	351.7	308.9	248.4	154.4	79.1	72.6	35.4	23.3
17.5°	432.6	431.7	428.0	424.2	399.1	336.8	236.3	126.5	111.6	41.9	23.3
20°	497.7	494.9	499.6	492.1	472.6	423.3	322.8	187.9	174.0	53.0	23.3
22.5°	565.6	568.4	572.2	564.7	543.3	500.5	414.0	267.0	252.1	73.5	24.2
25°	652.2	650.3	658.7	652.2	625.2	574.9	499.6	353.5	332.1	102.3	26.0
27.5°	758.2	754.5	760.1	743.3	708.0	656.8	575.9	441.9	416.8	147.0	29.8
30°	898.7	901.5	876.4	856.8	806.6	738.7	660.5	536.8	510.8	200.0	33.5
32.5°	1120.1	1100.6	1061.5	982.4	916.4	829.9	745.2	619.6	596.3	267.9	39.1
35°	1465.3	1469.0	1383.4	1188.0	1044.8	944.3	838.2	710.8	694.0	345.2	46.5
37.5°	1885.8	1875.6	1800.2	1553.7	1232.7	1086.6	944.3	810.3	786.1	428.9	55.8
40°	2362.1	2319.3	2275.6	2108.1	1624.4	1265.3	1078.3	925.7	907.1	525.6	70.7
42.5°	2743.6	2732.4	2739.8	2670.1	2277.5	1569.5	1256.0	1067.1	1044.8	645.7	96.8
45°	2931.5	2915.7	2960.3	3012.4	2912.0	2217.0	1542.5	1247.6	1217.8	787.1	136.8
47.5°	2881.3	2870.1	2965.9	3068.3	3202.2	2967.8	2010.5	1517.4	1466.2	968.5	196.3
50°	2633.8	2634.7	2791.9	2982.7	3194.8	3348.3	2703.6	1886.7	1822.5	1209.4	289.3
52.5°	2392.8	2400.3	2566.8	2845.0	3084.1	3392.9	3312.0	2384.5	2280.3	1493.2	399.1
55°	2145.4	2149.1	2296.1	2687.7	3032.0	3259.9	3624.6	3025.5	2914.8	1846.7	506.1
57.5°	1907.2	1907.2	1962.1	2310.0	2975.2	3247.8	3587.4	3611.6	3521.3	2250.5	585.2
60°	1432.7	1442.0	1578.8	1822.5	2565.9	3265.5	3492.5	3798.6	3798.6	2810.6	645.7
62.5°	723.8	737.8	908.0	1145.2	1760.2	3021.7	3507.4	3704.6	3719.5	3304.6	783.3
65°	339.6	355.4	446.6	614.0	947.1	2126.8	3352.9	3624.6	3619.9	3210.6	1073.6
67.5°	243.7	248.4	279.1	358.2	509.8	932.2	2559.4	3385.5	3387.4	2727.8	1234.6
70°	218.6	218.6	226.1	249.3	307.0	416.8	1243.9	2741.7	2874.7	2106.3	1144.3
72.5°	215.8	214.0	212.1	213.0	207.5	209.3	427.0	1548.1	1737.9	1473.7	912.7
75°	210.3	210.3	208.4	201.9	165.6	134.9	147.0	626.1	723.8	984.3	677.3
77.5°	166.5	183.3	202.8	190.7	151.6	101.4	85.6	181.4	228.9	603.8	491.2
80°	77.2	78.1	77.2	80.9	96.8	72.6	63.3	88.4	89.3	334.9	304.2
82.5°	55.8	56.8	54.0	48.4	42.8	39.1	52.1	65.1	69.8	153.5	113.5
85°	16.7	15.8	18.6	25.1	29.8	34.4	43.7	54.9	57.7	56.8	16.7
87.5°	7.4	7.4	9.3	13.0	17.7	26.0	38.1	50.2	51.2	58.6	4.7
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: P1067245

CATALOG NUMBER: NAV-SA1A-735-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
2.5°	23.3	22.3	21.4	20.5	19.5	18.6	17.7	17.7	18.6	18.6	18.6
5°	22.3	21.4	19.5	17.7	16.7	15.8	14.9	14.9	15.8	15.8	15.8
7.5°	22.3	20.5	18.6	16.7	14.9	14.0	13.0	13.0	13.0	14.0	14.0
10°	22.3	20.5	17.7	14.9	13.0	12.1	11.2	10.2	11.2	11.2	11.2
12.5°	21.4	19.5	16.7	14.0	11.2	9.3	8.4	8.4	8.4	8.4	8.4
15°	20.5	18.6	15.8	12.1	9.3	7.4	5.6	5.6	5.6	6.5	6.5
17.5°	19.5	17.7	14.0	9.3	6.5	4.7	3.7	3.7	3.7	4.7	4.7
20°	19.5	16.7	12.1	7.4	4.7	2.8	1.9	1.9	1.9	2.8	3.7
22.5°	19.5	16.7	11.2	5.6	2.8	1.9	0.9	0.9	0.9	0.9	0.9
25°	19.5	15.8	10.2	4.7	1.9	0.9	0.0	0.0	0.9	1.9	2.8
27.5°	19.5	14.9	8.4	2.8	1.9	0.9	0.0	0.9	1.9	1.9	1.9
30°	19.5	14.9	7.4	2.8	0.9	0.0	0.0	0.9	1.9	1.9	2.8
32.5°	20.5	14.0	6.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	21.4	13.0	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	23.3	13.0	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	26.0	14.0	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	32.6	14.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	45.6	18.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	67.0	27.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	97.7	38.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	120.0	38.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	119.1	24.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	91.2	16.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	77.2	12.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	93.0	9.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	165.6	8.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	266.1	8.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	297.7	8.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	232.6	7.4	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	127.5	6.5	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	64.2	4.7	1.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	27.0	3.7	1.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	9.3	3.7	1.9	1.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	4.7	2.8	2.8	1.9	1.9	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	1.9	1.9	0.9	0.9	0.0	0.0	0.0	0.9
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

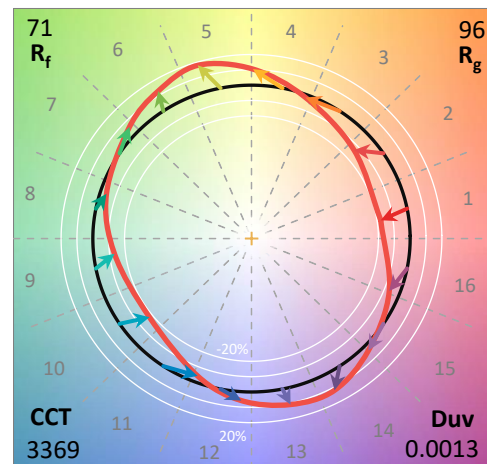
Test Information

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

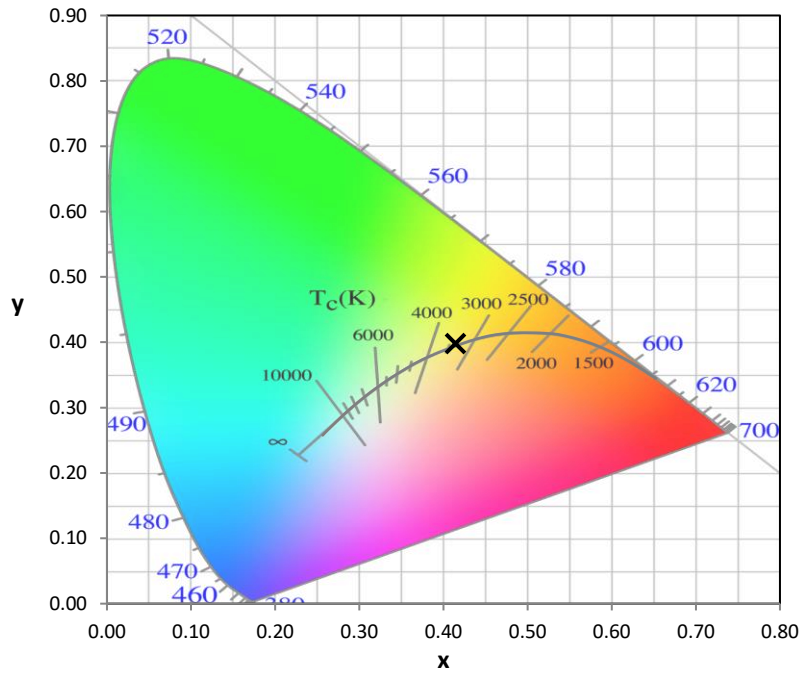
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

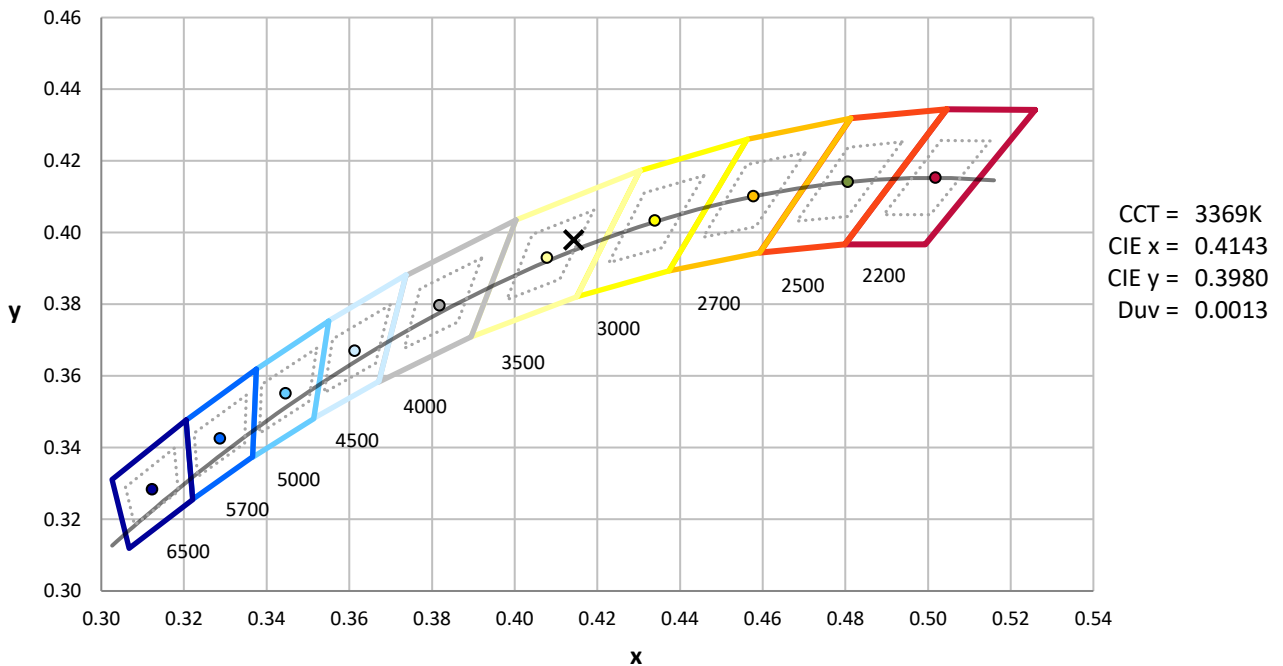
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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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			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength



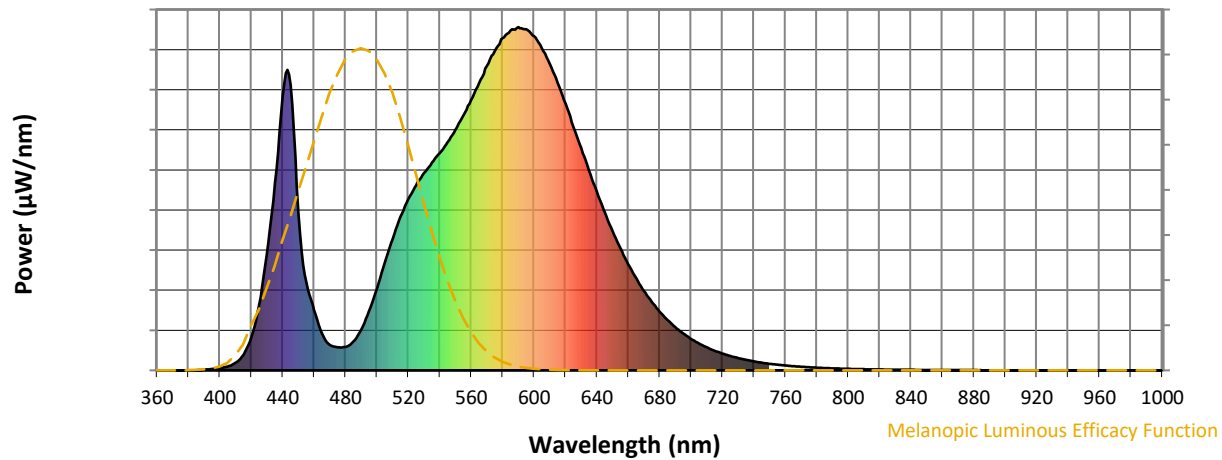
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

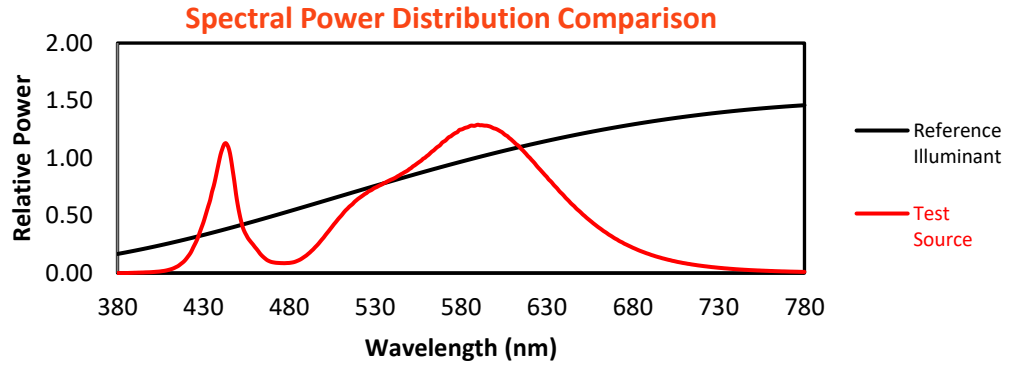
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	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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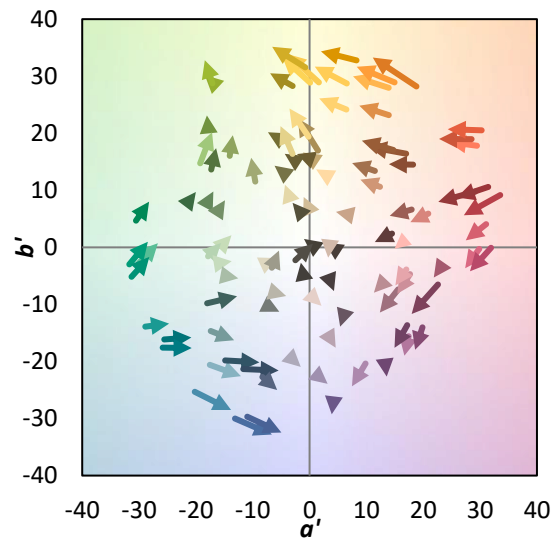
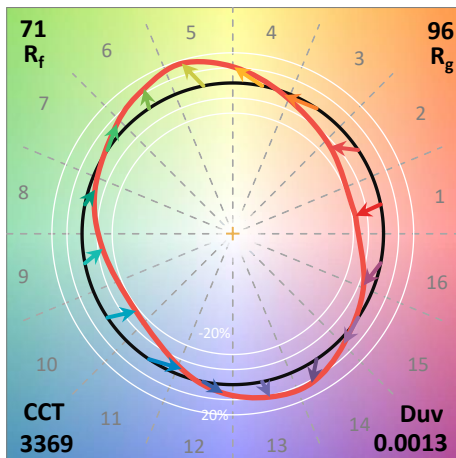
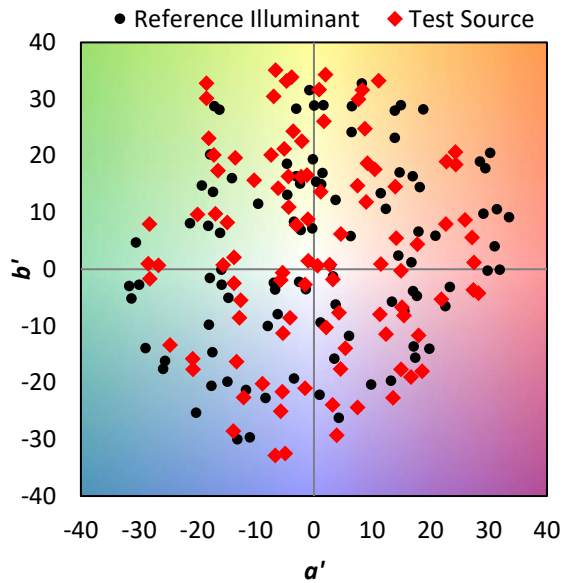
TM-30-18

Summary

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

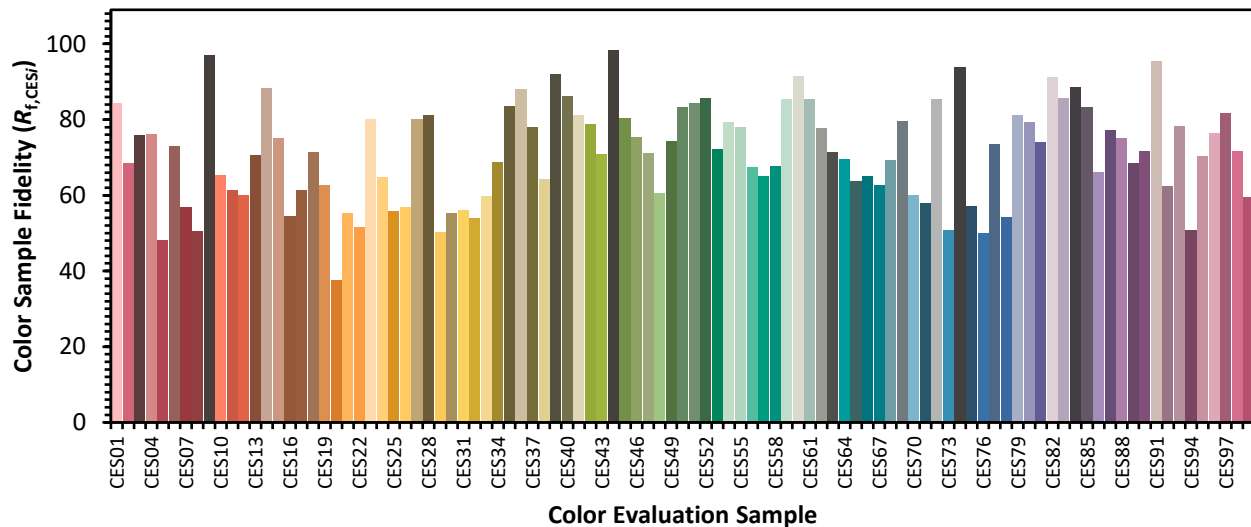


Color Vector Graphics



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

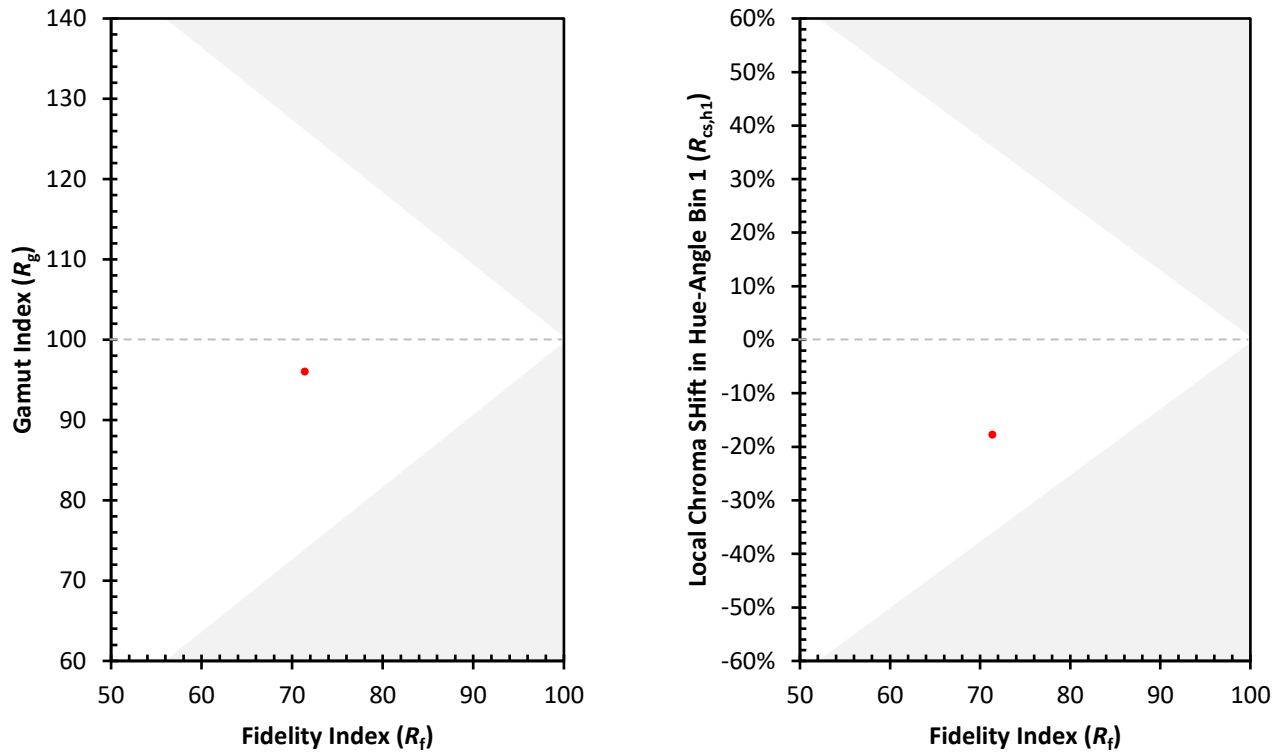
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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