

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: P1067508

Luminaire Tested: **NAV-SA6D-735-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067508
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6D-735-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 6xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33927.2 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 320.4
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

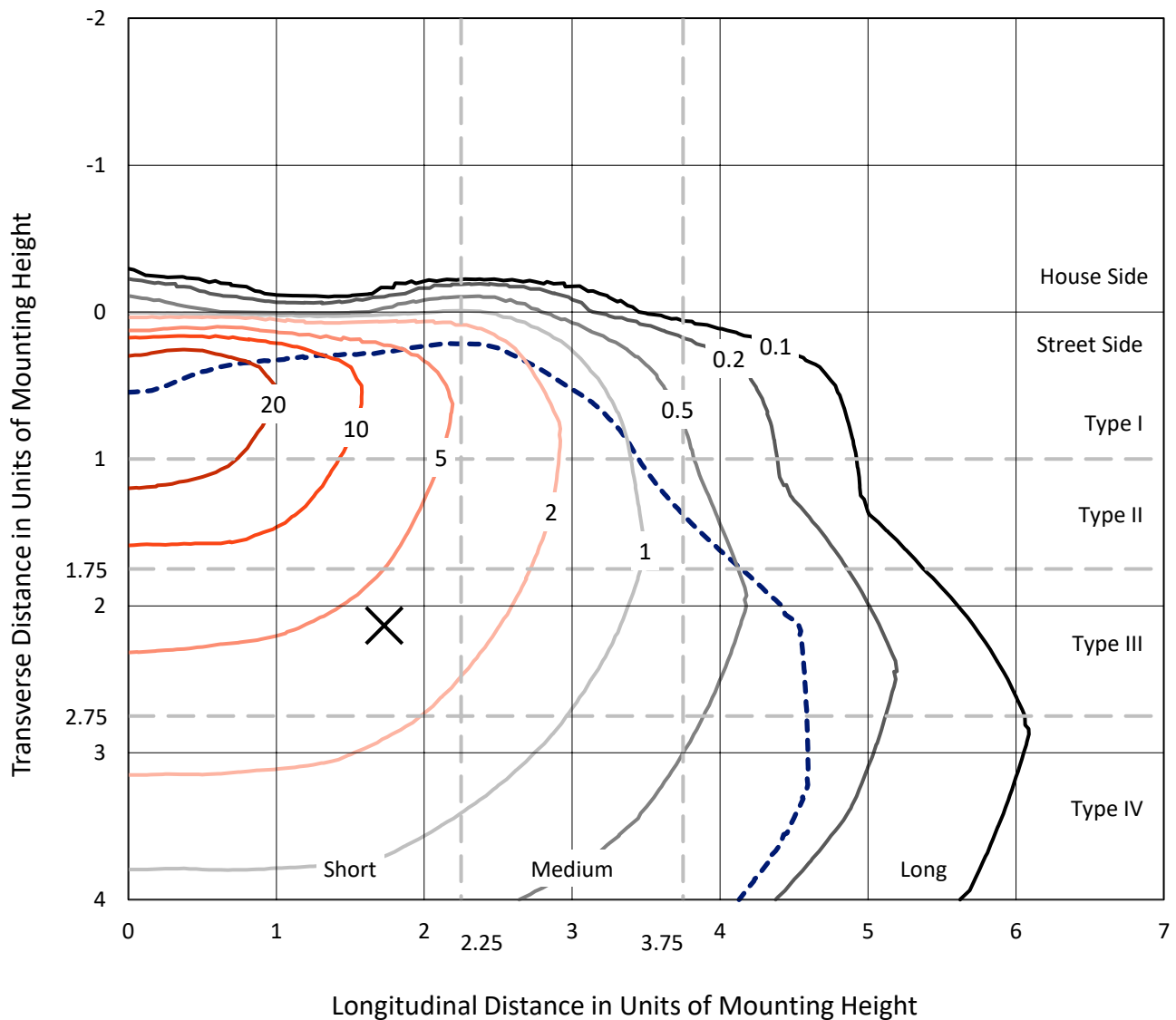


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

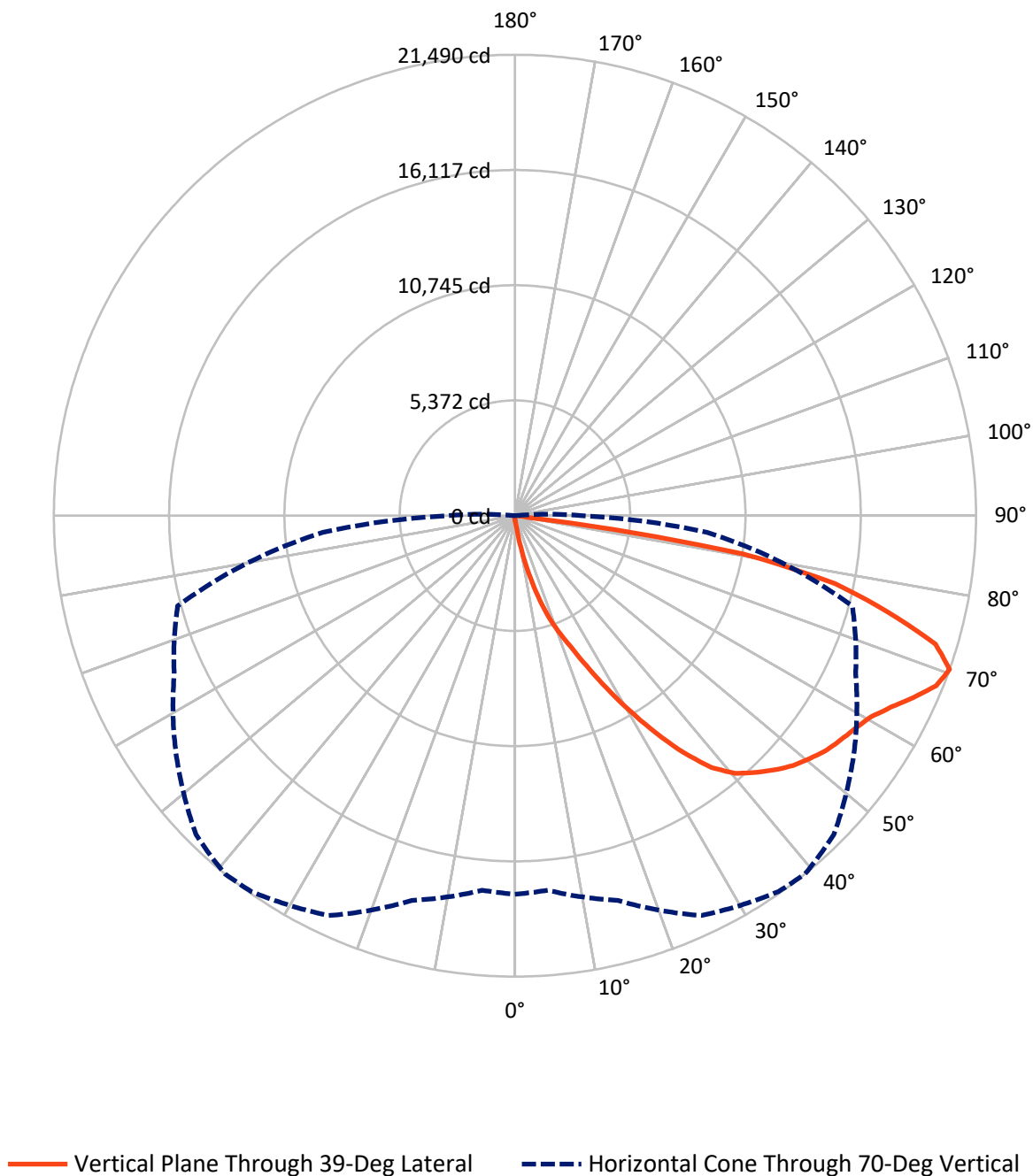


Based on 15 foot mounting height. Maximum calculated value = 37 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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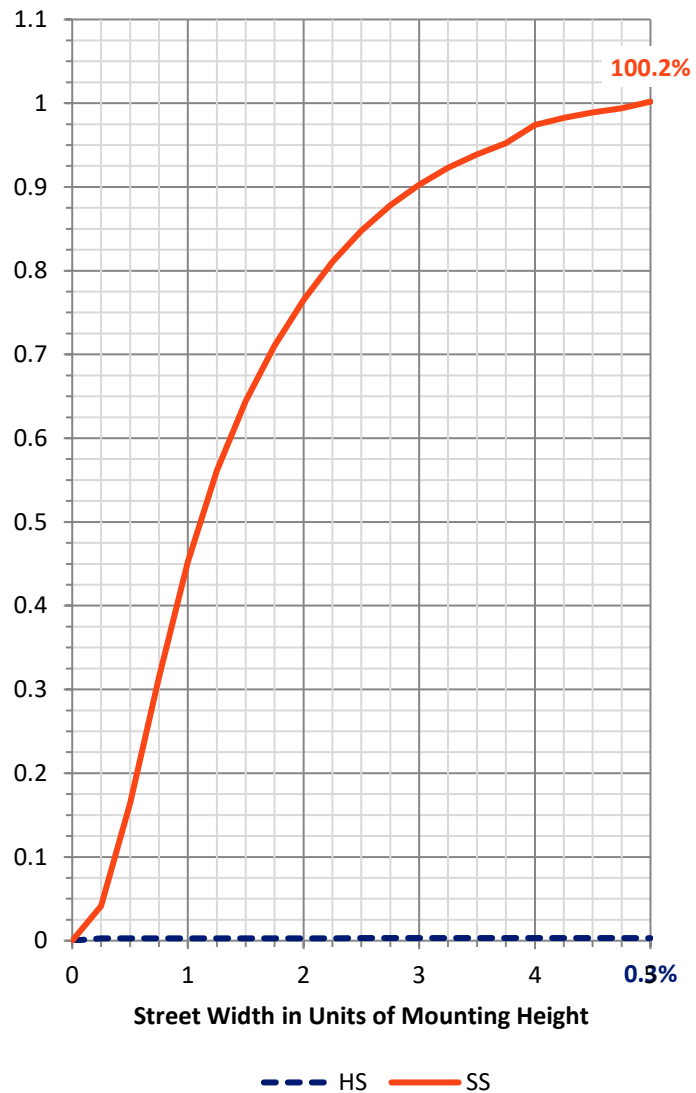
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	104.5	0.0	104.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	33822.8	0.0	33822.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	33927.2	0.0	33927.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	0.1
10°-20°	417.1	1.2
20°-30°	1415.4	4.2
30°-40°	3326.4	9.8
40°-50°	5401.5	15.9
50°-60°	6844.7	20.2
60°-70°	8694.6	25.6
70°-80°	7064.4	20.8
80°-90°	727.4	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°	33927.2	100.0
0°-180°	33927.2	100.0



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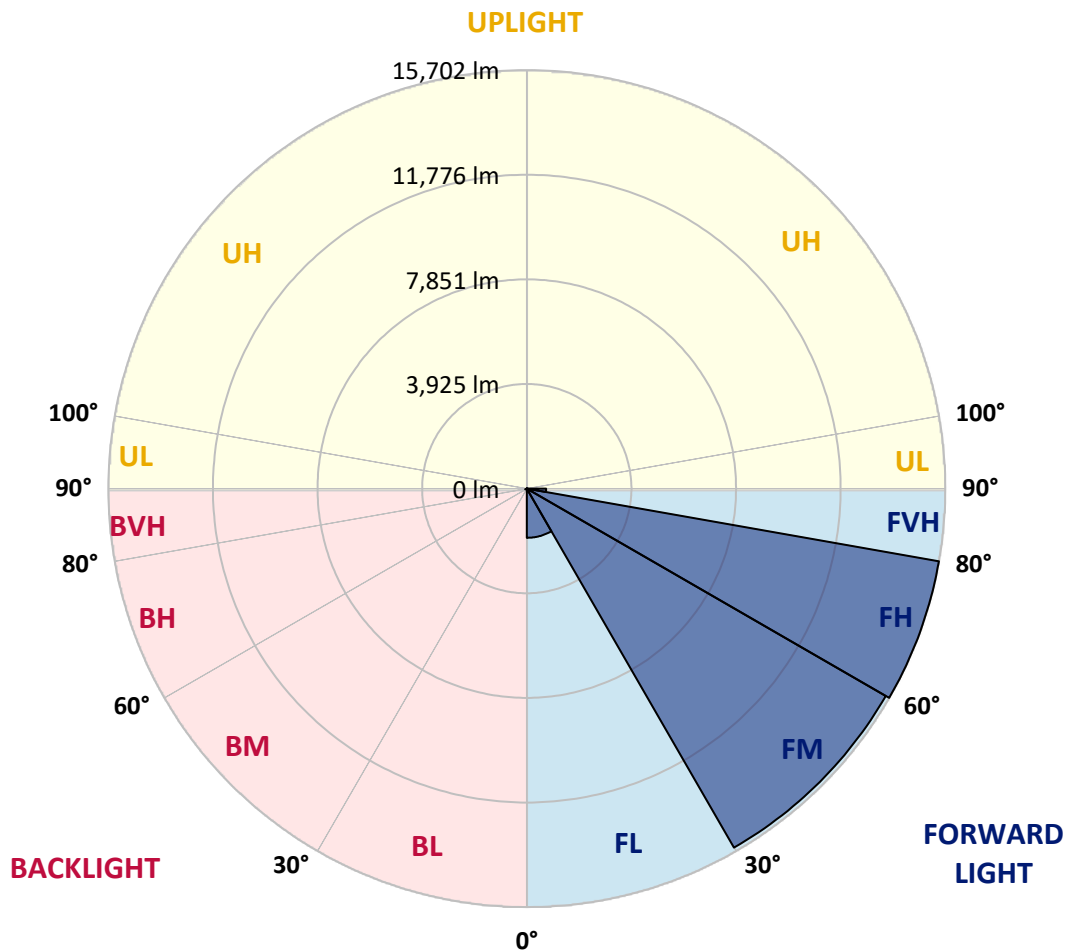
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1845.6	5.4			
FM	(30°-60°)	15552.6	45.8			
FH	(60°-80°)	15701.6	46.3			G5
FVH	(80°-90°)	723.0	2.1			G4/750
BL	(0°-30°)	22.6	0.1	B0/110		
BM	(30°-60°)	20.1	0.1	B0/220		
BH	(60°-80°)	57.4	0.2	B0/110		G0/110
BVH	(80°-90°)	4.4	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-G5

Type IV Short





REPORT NUMBER: P1067508

CATALOG NUMBER: NAV-SA6D-735-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2
2.5°	239.5	239.5	239.5	230.3	230.3	221.1	221.1	211.9	202.6	202.6	193.4
5°	451.3	460.6	432.9	377.7	340.8	322.4	304.0	257.9	230.3	211.9	193.4
7.5°	1234.3	1197.4	1142.2	958.0	736.9	626.4	534.2	377.7	276.3	221.1	193.4
10°	2597.5	2496.2	2339.6	2090.9	1658.0	1483.0	1151.4	690.8	386.9	248.7	193.4
12.5°	3813.4	3831.8	3638.4	3398.9	2873.9	2579.1	2127.8	1298.8	607.9	294.8	193.4
15°	4734.5	4716.1	4642.4	4449.0	3979.2	3693.7	3288.4	2183.0	1022.4	368.4	202.6
17.5°	5462.2	5388.5	5360.9	5278.0	4974.0	4817.4	4375.3	3214.7	1621.2	497.4	211.9
20°	6189.9	6171.5	6143.8	6051.7	5849.1	5738.5	5397.7	4255.5	2413.3	709.3	230.3
22.5°	7249.2	7147.8	7166.3	6963.6	6797.8	6604.4	6328.1	5360.9	3325.2	1013.2	257.9
25°	8492.7	8483.5	8336.1	8244.0	7967.6	7755.8	7387.3	6429.4	4338.4	1464.6	285.5
27.5°	9957.2	9855.9	9791.4	9634.9	9349.3	9109.8	8603.2	7488.7	5434.6	1971.2	322.4
30°	11486.3	11486.3	11366.5	11127.1	10850.7	10556.0	10040.1	8603.2	6521.5	2616.0	368.4
32.5°	13273.3	13310.1	13015.3	12656.1	12296.9	12094.2	11421.8	9865.1	7562.3	3352.9	423.7
35°	15004.9	14958.9	14470.7	14074.6	13807.5	13586.4	13015.3	11246.8	8741.4	4209.5	497.4
37.5°	16663.0	16543.2	15732.6	15170.7	15051.0	14903.6	14332.5	12628.5	9911.2	5158.2	589.5
40°	17851.2	17667.0	16828.8	16055.0	15880.0	15797.1	15355.0	13881.2	11145.5	6217.5	709.3
42.5°	18367.0	18155.2	17574.9	16948.5	16561.6	16368.2	15981.3	14903.6	12379.8	7396.5	884.3
45°	18468.3	18302.5	17888.0	17740.7	17215.6	16920.9	16395.8	15631.3	13531.2	8566.4	1123.8
47.5°	18099.9	18026.2	17777.5	18090.7	17823.6	17418.3	16782.7	16174.8	14553.6	9984.9	1455.4
50°	17197.2	17141.9	17261.7	18081.5	18265.7	17805.1	17206.4	16598.5	15437.9	11449.4	1925.1
52.5°	15981.3	15972.1	16534.0	17842.0	18459.1	18173.6	17620.9	17022.2	16137.9	12868.0	2588.3
55°	14654.9	14811.5	15797.1	17620.9	18569.7	18440.7	18026.2	17399.8	16764.3	14185.2	3656.8
57.5°	14544.4	14479.9	15428.7	17528.8	18634.1	18707.8	18431.5	17795.9	17298.5	15262.9	5084.5
60°	15649.7	15502.3	15861.6	17722.2	18919.7	19048.6	18836.8	18099.9	17832.8	16110.3	6963.6
62.5°	16930.1	16791.9	16976.1	18468.3	19481.6	19665.8	19398.7	18413.1	18265.7	16699.8	8980.9
65°	17952.5	17842.0	18192.0	19582.9	20264.5	20421.1	20236.9	18993.4	18459.1	17178.8	10620.4
67.5°	18118.3	17980.1	18707.8	20329.0	21056.7	21167.2	21019.8	19555.2	18394.6	17215.6	10998.1
70°	17648.5	17528.8	18569.7	20568.5	21397.5	21489.6	21019.8	19288.1	17519.6	16276.1	8990.1
72.5°	16202.4	16294.5	17639.3	19988.2	20927.7	20504.0	19509.2	17943.3	16386.6	13798.3	6309.6
75°	13954.9	14056.2	15843.2	18394.6	18468.3	17952.5	17418.3	16506.4	14664.1	9091.4	4375.3
77.5°	9920.4	9561.2	12232.4	15189.2	14922.0	15253.6	15299.7	13733.8	12278.4	4734.5	2929.1
80°	976.4	829.0	1538.3	4356.9	9625.6	10758.6	11200.7	10583.6	9054.5	2118.6	1538.3
82.5°	211.9	211.9	230.3	248.7	386.9	580.3	2662.0	6521.5	5849.1	1077.7	497.4
85°	119.7	119.7	147.4	175.0	230.3	257.9	304.0	405.3	1575.1	386.9	92.1
87.5°	92.1	101.3	119.7	147.4	193.4	211.9	257.9	322.4	396.1	359.2	27.6
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: P1067508

CATALOG NUMBER: NAV-SA6D-735-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2
2.5°	193.4	184.2	175.0	165.8	156.6	156.6	147.4	147.4	147.4	147.4	147.4
5°	184.2	175.0	165.8	147.4	138.2	129.0	119.7	119.7	119.7	119.7	119.7
7.5°	184.2	175.0	156.6	138.2	119.7	110.5	101.3	92.1	92.1	101.3	101.3
10°	184.2	165.8	138.2	119.7	101.3	92.1	82.9	73.7	73.7	73.7	73.7
12.5°	175.0	156.6	129.0	110.5	92.1	73.7	55.3	46.1	46.1	46.1	46.1
15°	165.8	147.4	119.7	92.1	64.5	46.1	36.8	27.6	27.6	27.6	27.6
17.5°	165.8	138.2	110.5	82.9	46.1	27.6	18.4	9.2	9.2	9.2	18.4
20°	165.8	138.2	101.3	64.5	27.6	18.4	18.4	9.2	0.0	9.2	9.2
22.5°	165.8	129.0	82.9	46.1	27.6	18.4	9.2	0.0	0.0	0.0	0.0
25°	175.0	129.0	73.7	36.8	18.4	9.2	0.0	0.0	0.0	0.0	0.0
27.5°	175.0	119.7	64.5	27.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	184.2	119.7	55.3	18.4	9.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	184.2	110.5	36.8	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	184.2	101.3	27.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	184.2	92.1	27.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	193.4	82.9	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	202.6	73.7	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	211.9	64.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	239.5	64.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	276.3	64.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	331.6	64.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	432.9	55.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	626.4	55.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1050.1	55.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1842.2	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	3113.4	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4062.1	64.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3085.7	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1473.8	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	654.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	285.5	27.6	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	110.5	18.4	9.2	9.2	9.2	9.2	0.0	0.0	0.0	0.0	0.0
82.5°	46.1	18.4	9.2	9.2	9.2	9.2	9.2	0.0	0.0	0.0	0.0
85°	27.6	18.4	18.4	18.4	9.2	9.2	9.2	0.0	0.0	0.0	0.0
87.5°	18.4	18.4	18.4	18.4	18.4	9.2	9.2	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

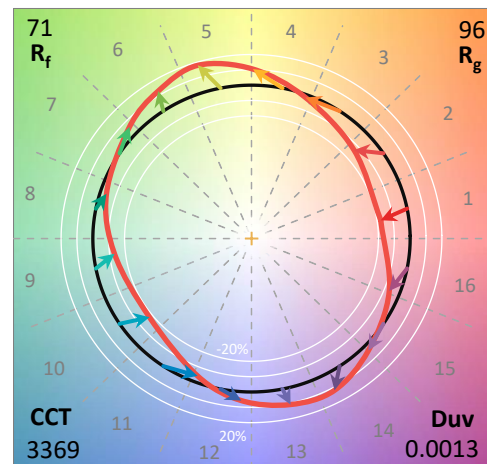
Test Information

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

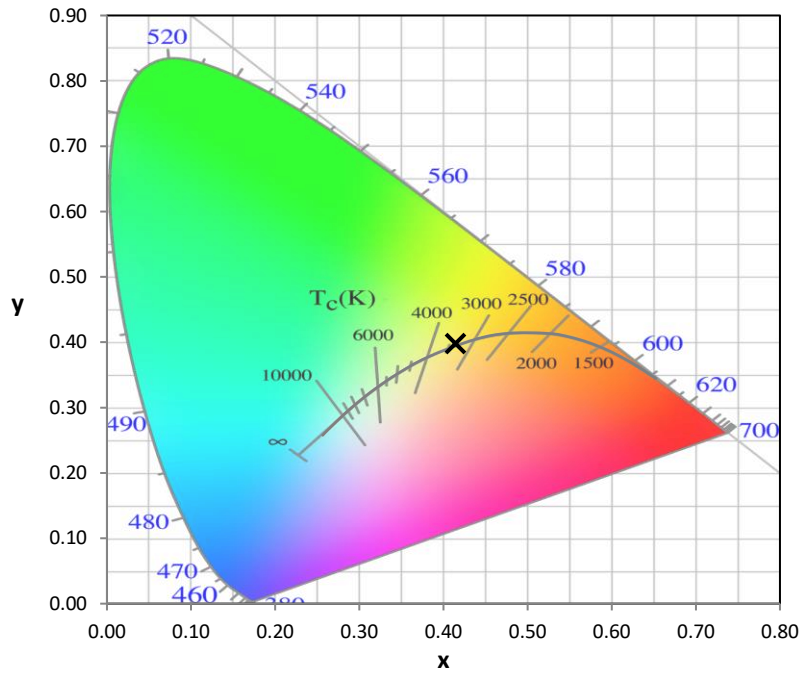
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

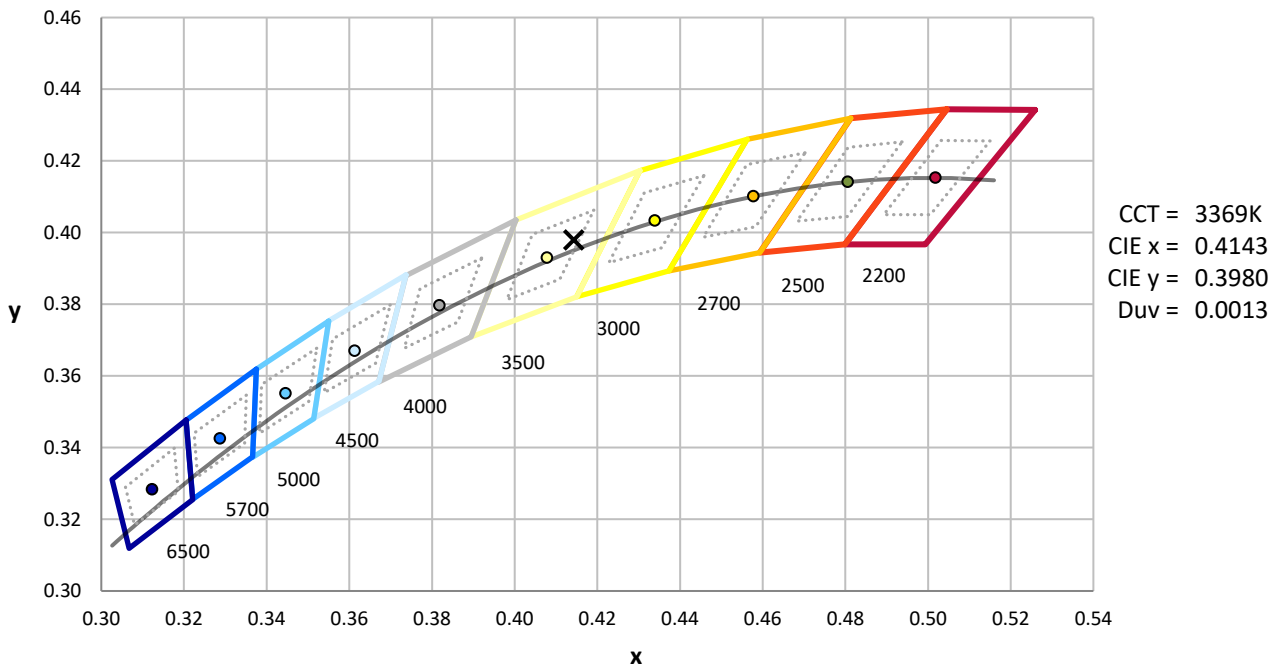
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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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 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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Scotopic Flux vs. Wavelength



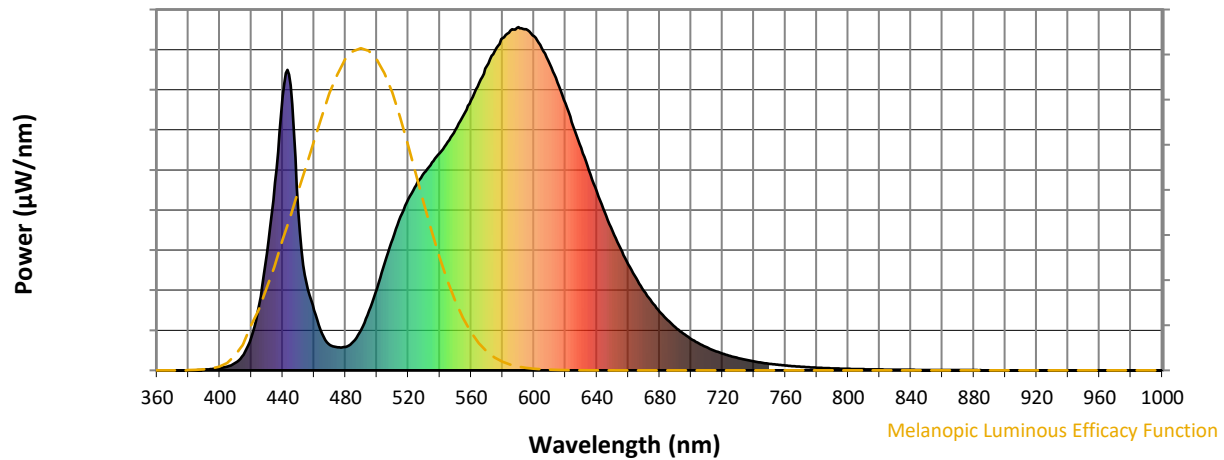
Scotopic Lumens: NR

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

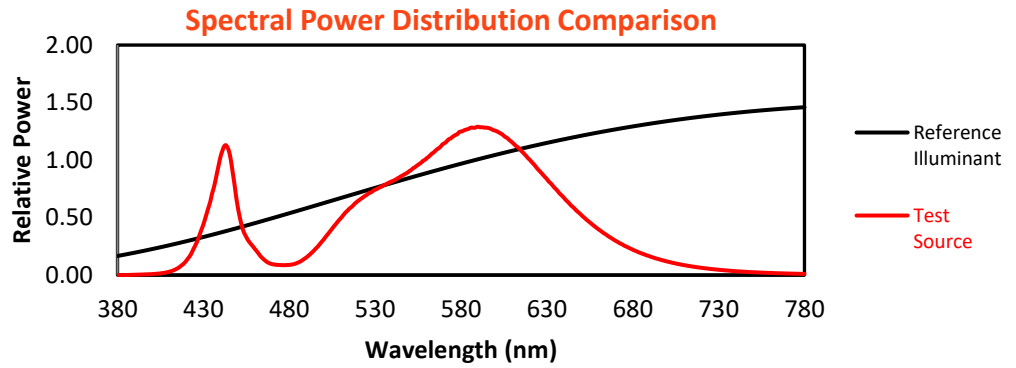
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	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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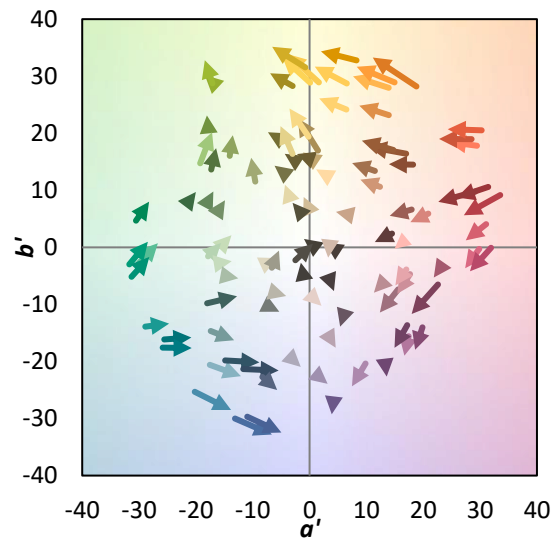
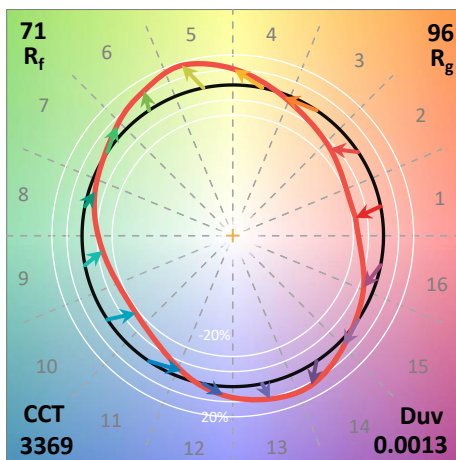
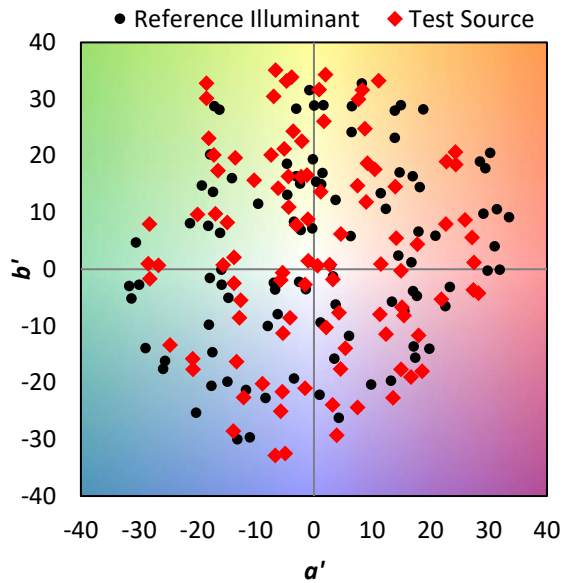
TM-30-18

Summary

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

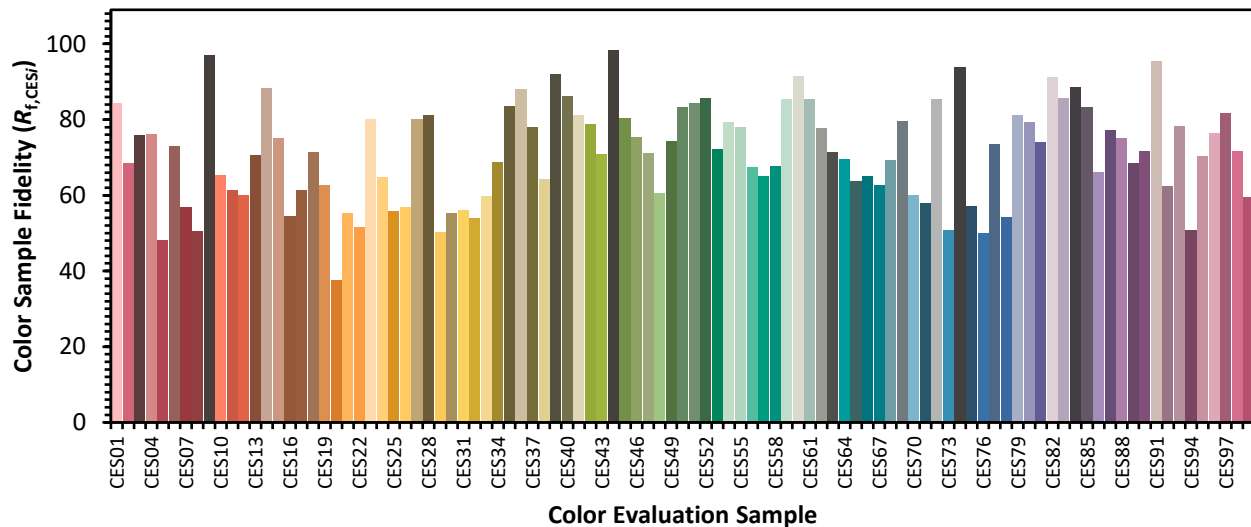


Color Vector Graphics



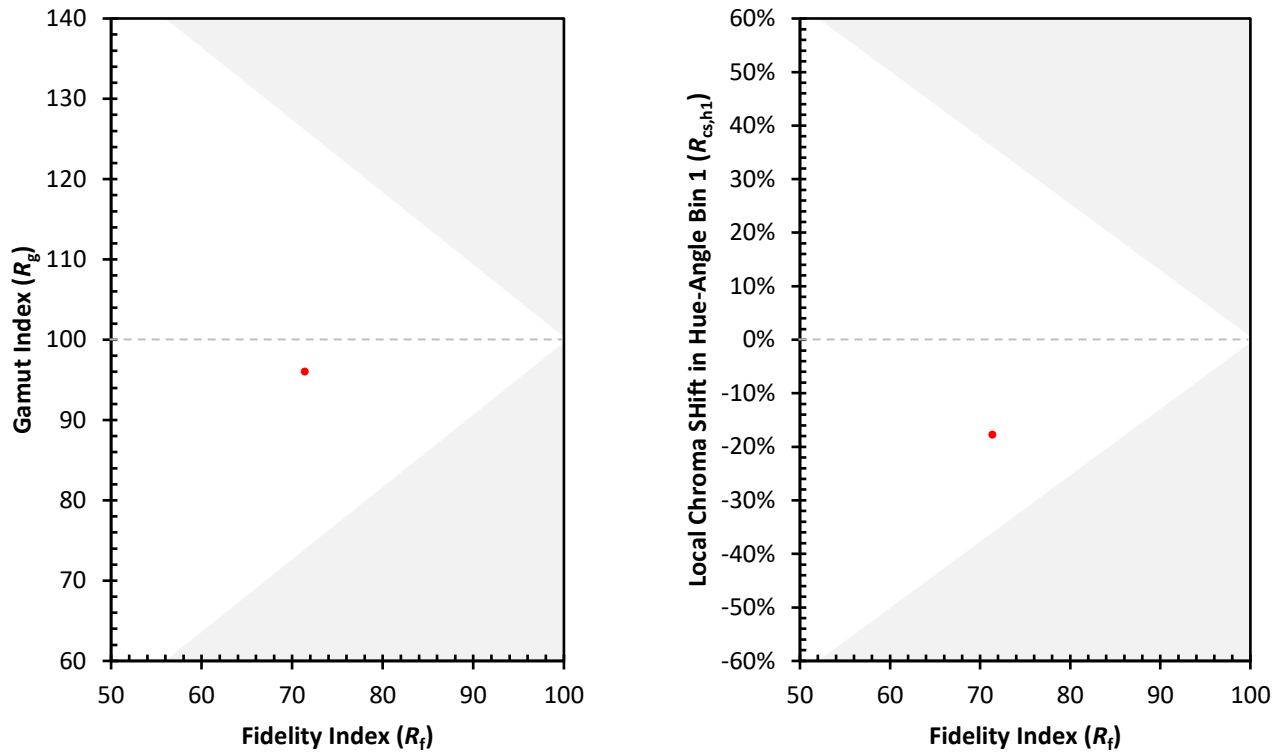
Individual Sample Fidelity Index ($R_{f,i}$)

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)