

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: P1067497

Luminaire Tested: **NAV-SA4A-735-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067497
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4A-735-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13143.4 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
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

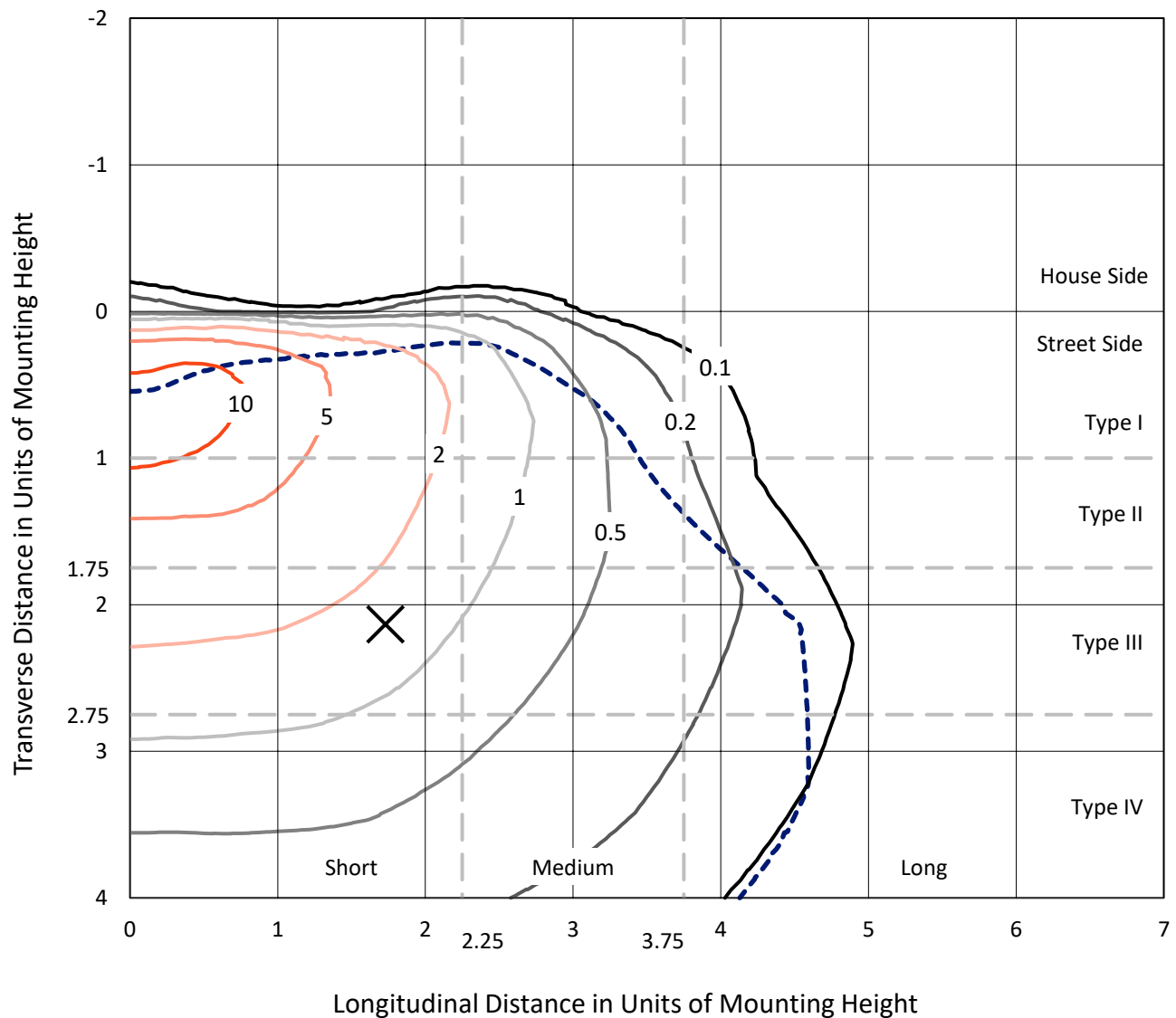


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

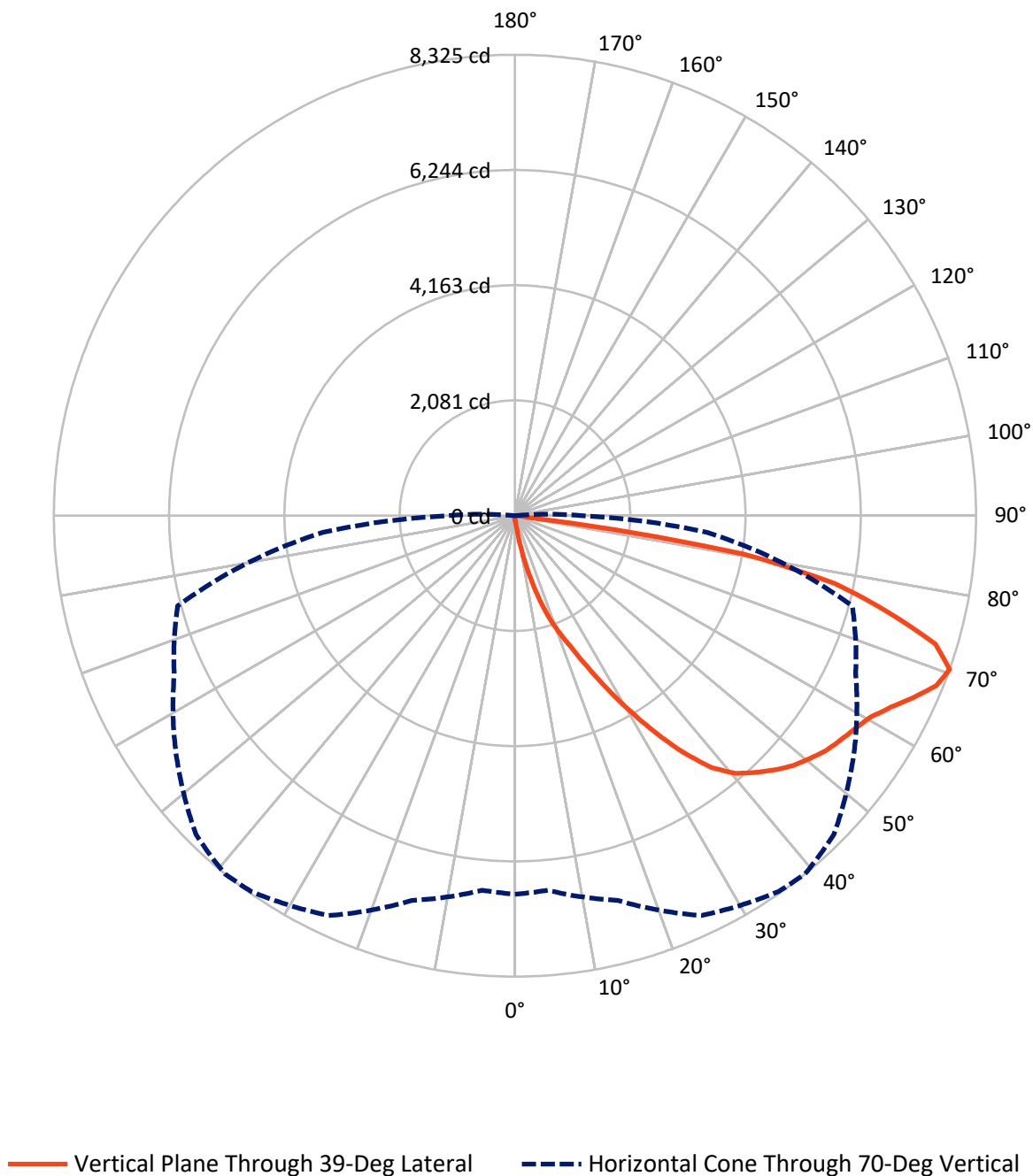


Based on 15 foot mounting height. Maximum calculated value = 14.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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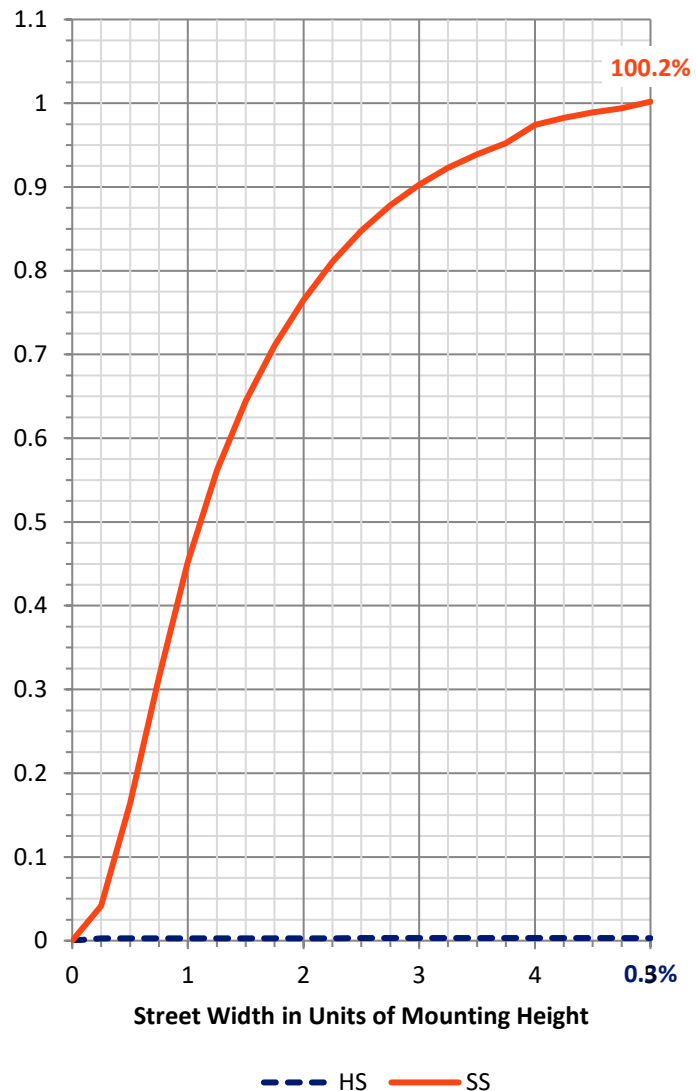
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40.5	0.0	40.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	13102.9	0.0	13102.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	13143.4	0.0	13143.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.1
10°-20°	161.6	1.2
20°-30°	548.3	4.2
30°-40°	1288.7	9.8
40°-50°	2092.5	15.9
50°-60°	2651.6	20.2
60°-70°	3368.3	25.6
70°-80°	2736.7	20.8
80°-90°	281.8	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°	13143.4	100.0
0°-180°	13143.4	100.0



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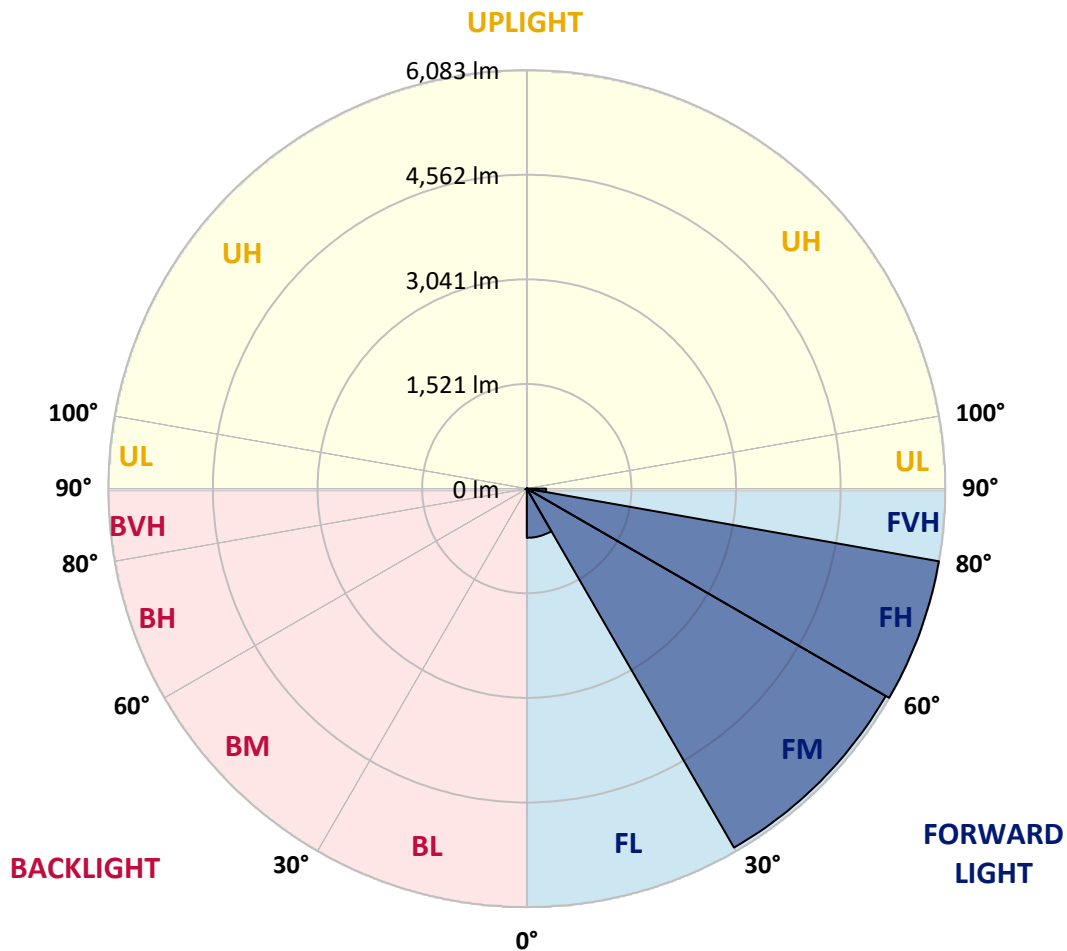
CATALOG NUMBER: NAV-SA4A-735-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	715.0	5.4			
FM	(30°-60°)	6025.1	45.8			
FH	(60°-80°)	6082.8	46.3			G3/7500
FVH	(80°-90°)	280.1	2.1			G3/500
BL	(0°-30°)	8.8	0.1	B0/110		
BM	(30°-60°)	7.8	0.1	B0/220		
BH	(60°-80°)	22.3	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
2.5°	92.8	92.8	92.8	89.2	89.2	85.6	85.6	82.1	78.5	78.5	74.9
5°	174.9	178.4	167.7	146.3	132.0	124.9	117.8	99.9	89.2	82.1	74.9
7.5°	478.2	463.9	442.5	371.1	285.5	242.7	207.0	146.3	107.1	85.6	74.9
10°	1006.3	967.0	906.4	810.0	642.3	574.5	446.0	267.6	149.9	96.3	74.9
12.5°	1477.3	1484.5	1409.5	1316.7	1113.3	999.1	824.3	503.1	235.5	114.2	74.9
15°	1834.2	1827.0	1798.5	1723.5	1541.5	1430.9	1273.9	845.7	396.1	142.7	78.5
17.5°	2116.1	2087.5	2076.8	2044.7	1926.9	1866.3	1695.0	1245.4	628.0	192.7	82.1
20°	2398.0	2390.8	2380.1	2344.4	2265.9	2223.1	2091.1	1648.6	934.9	274.8	89.2
22.5°	2808.3	2769.1	2776.2	2697.7	2633.5	2558.5	2451.5	2076.8	1288.2	392.5	99.9
25°	3290.1	3286.5	3229.4	3193.7	3086.7	3004.6	2861.8	2490.7	1680.7	567.4	110.6
27.5°	3857.4	3818.2	3793.2	3732.5	3621.9	3529.1	3332.9	2901.1	2105.4	763.6	124.9
30°	4449.8	4449.8	4403.4	4310.6	4203.6	4089.4	3889.5	3332.9	2526.4	1013.4	142.7
32.5°	5142.1	5156.3	5042.1	4903.0	4763.8	4685.3	4424.8	3821.7	2929.6	1298.9	164.1
35°	5812.9	5795.1	5605.9	5452.5	5349.0	5263.4	5042.1	4357.0	3386.4	1630.8	192.7
37.5°	6455.2	6408.8	6094.8	5877.1	5830.7	5773.7	5552.4	4892.3	3839.6	1998.3	228.4
40°	6915.5	6844.2	6519.4	6219.7	6151.9	6119.8	5948.5	5377.6	4317.8	2408.7	274.8
42.5°	7115.4	7033.3	6808.5	6565.8	6416.0	6341.0	6191.2	5773.7	4795.9	2865.4	342.6
45°	7154.6	7090.4	6929.8	6872.7	6669.3	6555.1	6351.7	6055.6	5242.0	3318.6	435.3
47.5°	7011.9	6983.3	6887.0	7008.3	6904.8	6747.8	6501.6	6266.1	5638.1	3868.1	563.8
50°	6662.2	6640.8	6687.2	7004.7	7076.1	6897.7	6665.8	6430.2	5980.6	4435.5	745.8
52.5°	6191.2	6187.6	6405.3	6912.0	7151.1	7040.4	6826.3	6594.4	6251.8	4985.0	1002.7
55°	5677.3	5738.0	6119.8	6826.3	7193.9	7143.9	6983.3	6740.7	6494.5	5495.3	1416.7
57.5°	5634.5	5609.5	5977.1	6790.6	7218.9	7247.4	7140.3	6894.1	6701.4	5912.8	1969.8
60°	6062.7	6005.6	6144.8	6865.6	7329.5	7379.4	7297.4	7011.9	6908.4	6241.1	2697.7
62.5°	6558.7	6505.2	6576.5	7154.6	7547.1	7618.5	7515.0	7133.2	7076.1	6469.5	3479.2
65°	6954.8	6912.0	7047.6	7586.4	7850.5	7911.1	7839.8	7358.0	7151.1	6655.0	4114.4
67.5°	7019.0	6965.5	7247.4	7875.4	8157.3	8200.2	8143.1	7575.7	7126.1	6669.3	4260.7
70°	6837.0	6790.6	7193.9	7968.2	8289.4	8325.1	8143.1	7472.2	6787.1	6305.3	3482.7
72.5°	6276.8	6312.5	6833.5	7743.4	8107.4	7943.2	7557.9	6951.2	6348.2	5345.4	2444.3
75°	5406.1	5445.4	6137.6	7126.1	7154.6	6954.8	6747.8	6394.6	5680.9	3522.0	1695.0
77.5°	3843.2	3704.0	4738.8	5884.3	5780.8	5909.3	5927.1	5320.5	4756.7	1834.2	1134.7
80°	378.2	321.2	595.9	1687.8	3729.0	4167.9	4339.2	4100.1	3507.7	820.7	595.9
82.5°	82.1	82.1	89.2	96.3	149.9	224.8	1031.3	2526.4	2265.9	417.5	192.7
85°	46.4	46.4	57.1	67.8	89.2	99.9	117.8	157.0	610.2	149.9	35.7
87.5°	35.7	39.3	46.4	57.1	74.9	82.1	99.9	124.9	153.4	139.2	10.7
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: P1067497

CATALOG NUMBER: NAV-SA4A-735-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
2.5°	74.9	71.4	67.8	64.2	60.7	60.7	57.1	57.1	57.1	57.1	57.1
5°	71.4	67.8	64.2	57.1	53.5	50.0	46.4	46.4	46.4	46.4	46.4
7.5°	71.4	67.8	60.7	53.5	46.4	42.8	39.3	35.7	35.7	39.3	39.3
10°	71.4	64.2	53.5	46.4	39.3	35.7	32.1	28.5	28.5	28.5	28.5
12.5°	67.8	60.7	50.0	42.8	35.7	28.5	21.4	17.8	17.8	17.8	17.8
15°	64.2	57.1	46.4	35.7	25.0	17.8	14.3	10.7	10.7	10.7	10.7
17.5°	64.2	53.5	42.8	32.1	17.8	10.7	7.1	3.6	3.6	3.6	7.1
20°	64.2	53.5	39.3	25.0	10.7	7.1	7.1	3.6	0.0	3.6	3.6
22.5°	64.2	50.0	32.1	17.8	10.7	7.1	3.6	0.0	0.0	0.0	0.0
25°	67.8	50.0	28.5	14.3	7.1	3.6	0.0	0.0	0.0	0.0	0.0
27.5°	67.8	46.4	25.0	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	71.4	46.4	21.4	7.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	71.4	42.8	14.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	71.4	39.3	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	71.4	35.7	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	74.9	32.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	78.5	28.5	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	82.1	25.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	92.8	25.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	107.1	25.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	128.5	25.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	167.7	21.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	242.7	21.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	406.8	21.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	713.7	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1206.1	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1573.7	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1195.4	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	570.9	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	253.4	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	110.6	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.8	7.1	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0
82.5°	17.8	7.1	3.6	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0
85°	10.7	7.1	7.1	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0
87.5°	7.1	7.1	7.1	7.1	7.1	3.6	3.6	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
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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

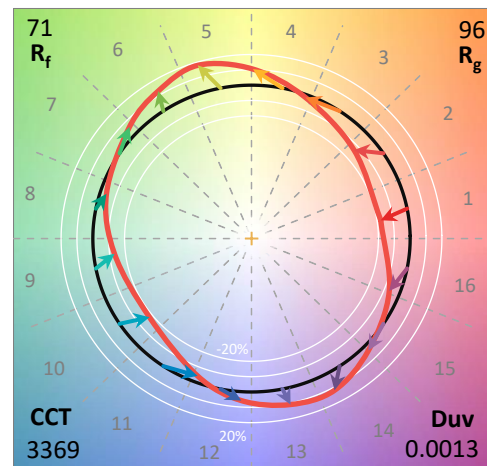
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

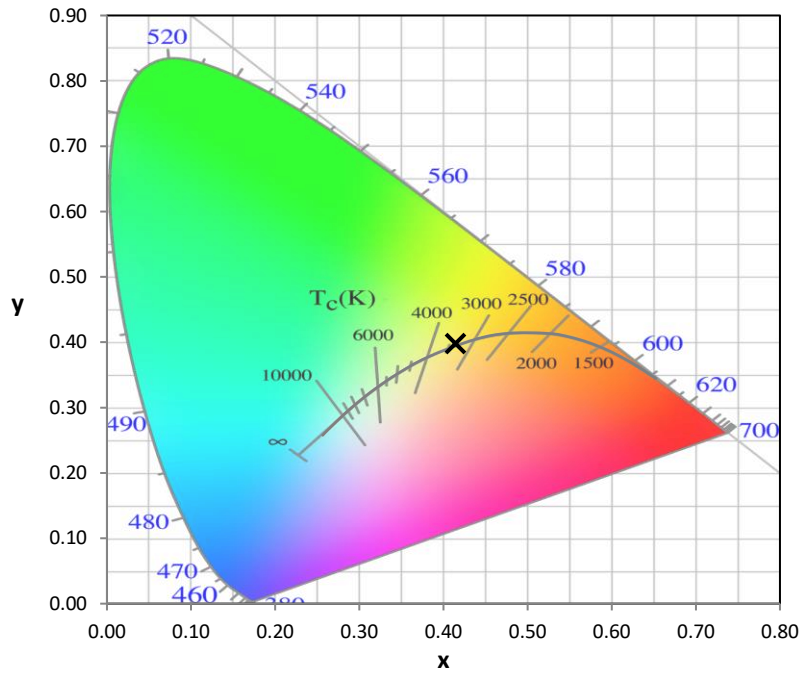
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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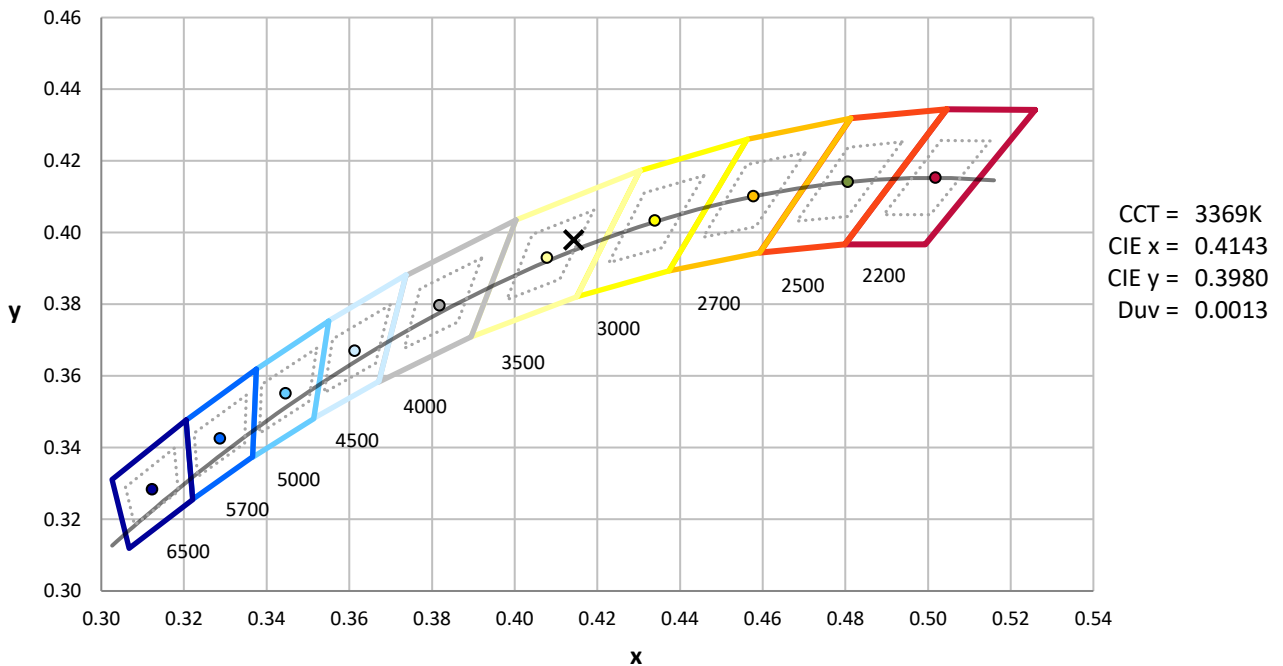
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



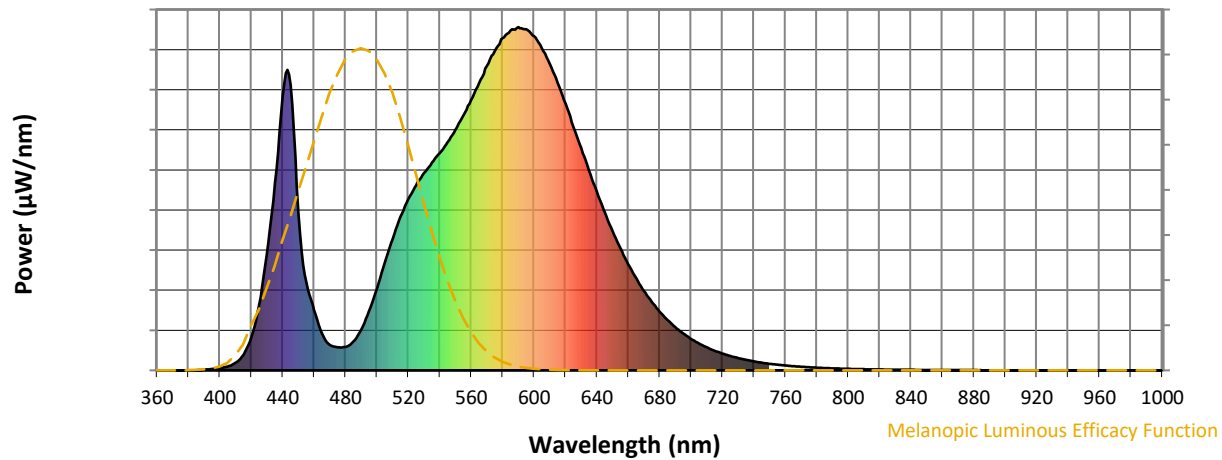
Scotopic Lumens: NR

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

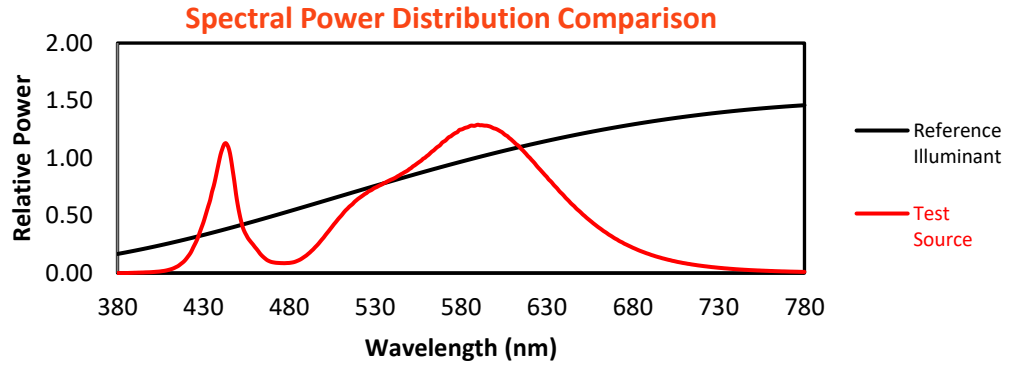
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630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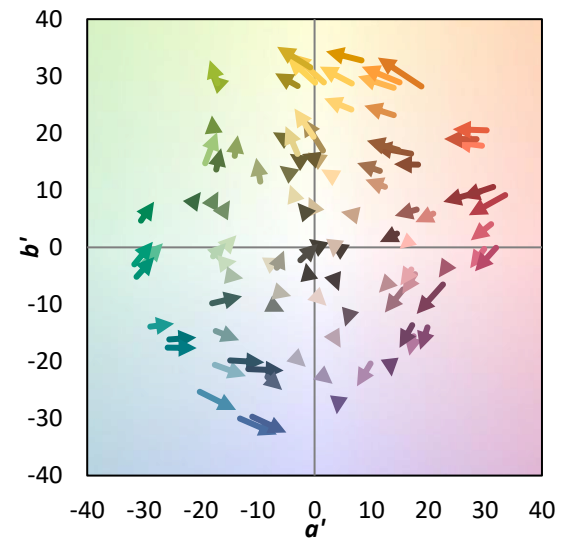
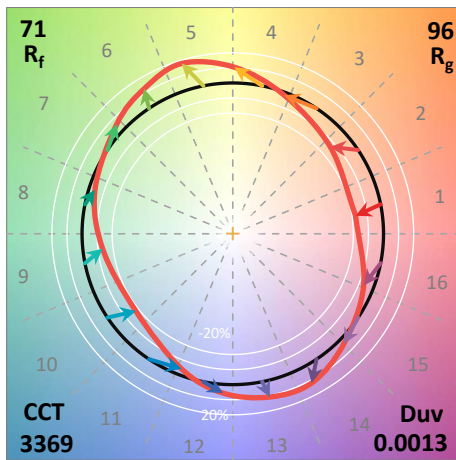
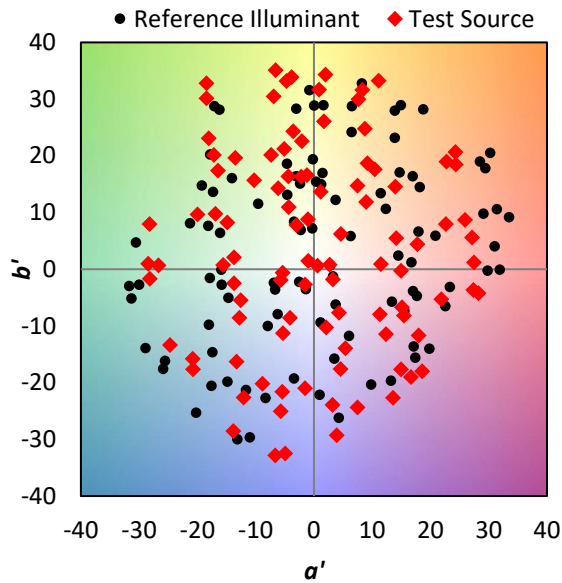
TM-30-18

Summary

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

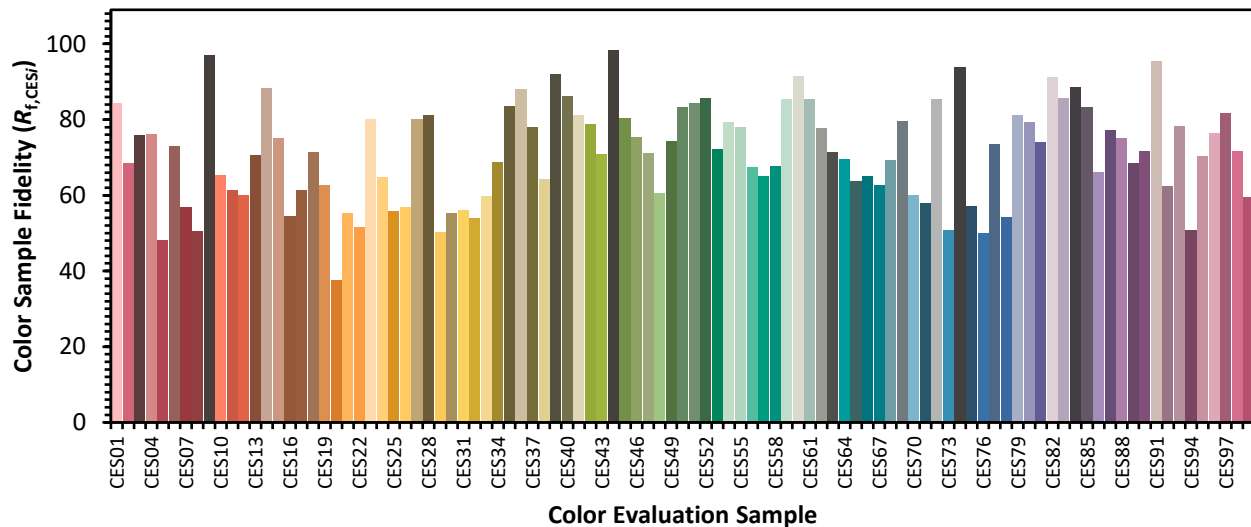


Color Vector Graphics



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

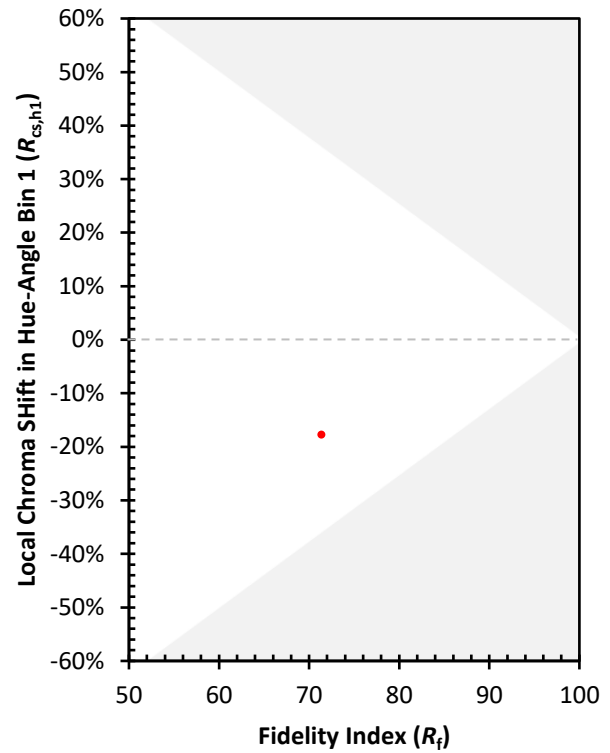
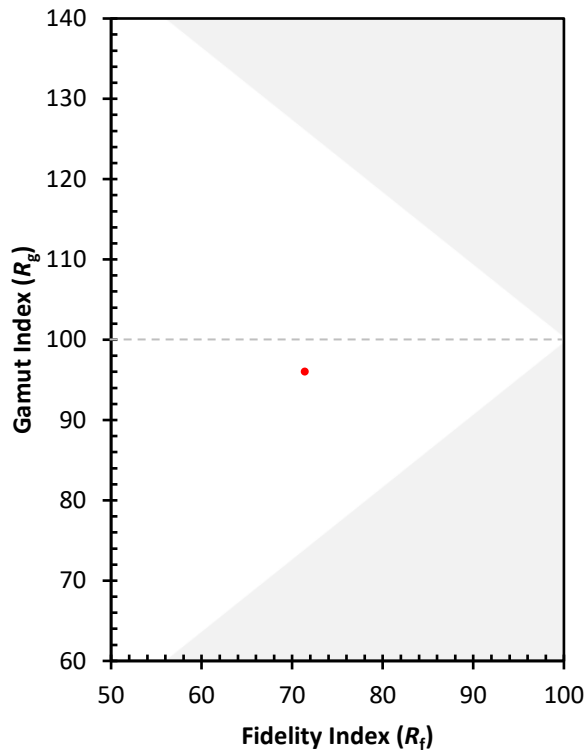
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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