

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: P1067495

Luminaire Tested: **NAV-SA3C-735-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067495
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3C-735-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15393 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 140.4
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

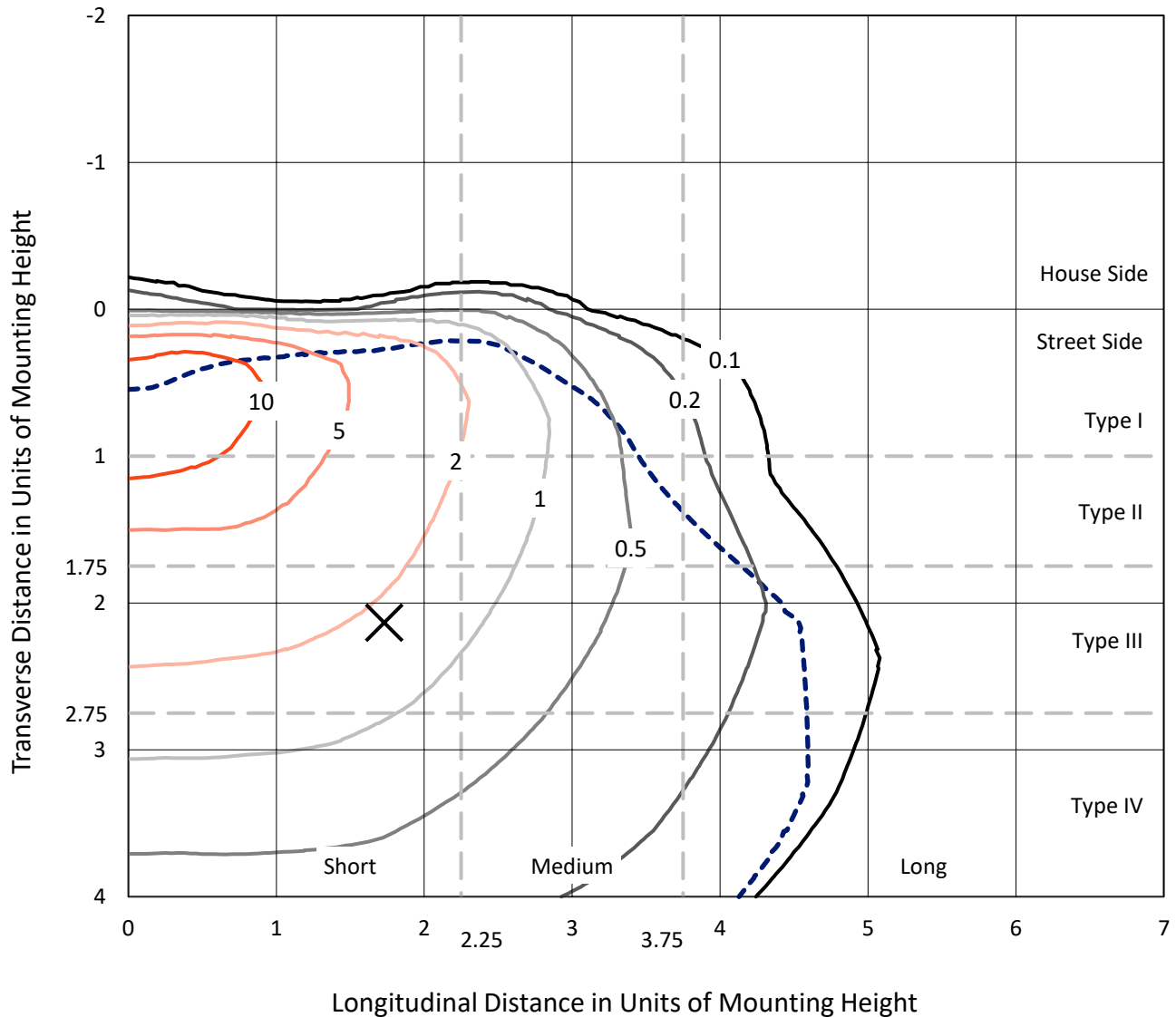


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

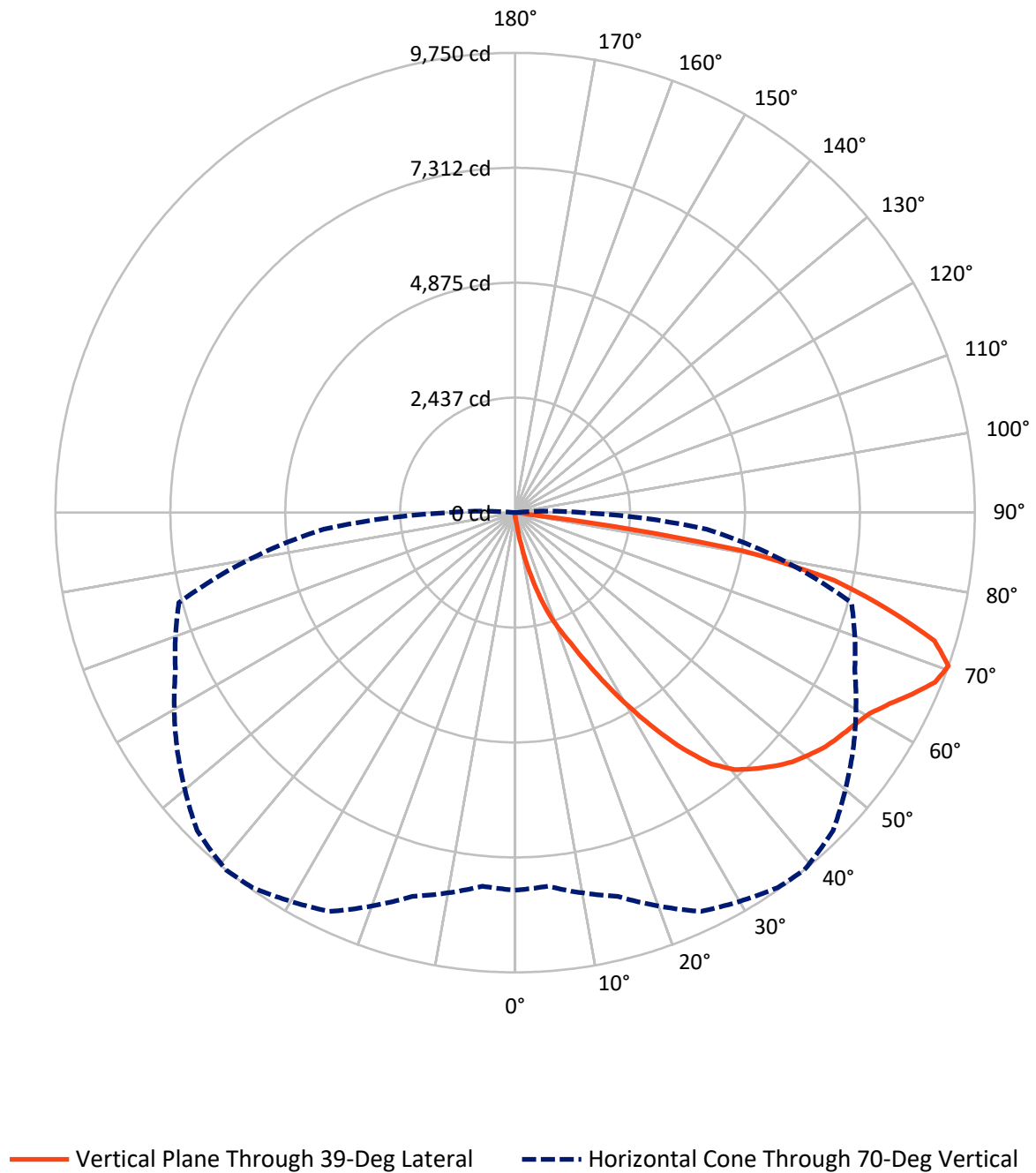


Based on 15 foot mounting height. Maximum calculated value = 16.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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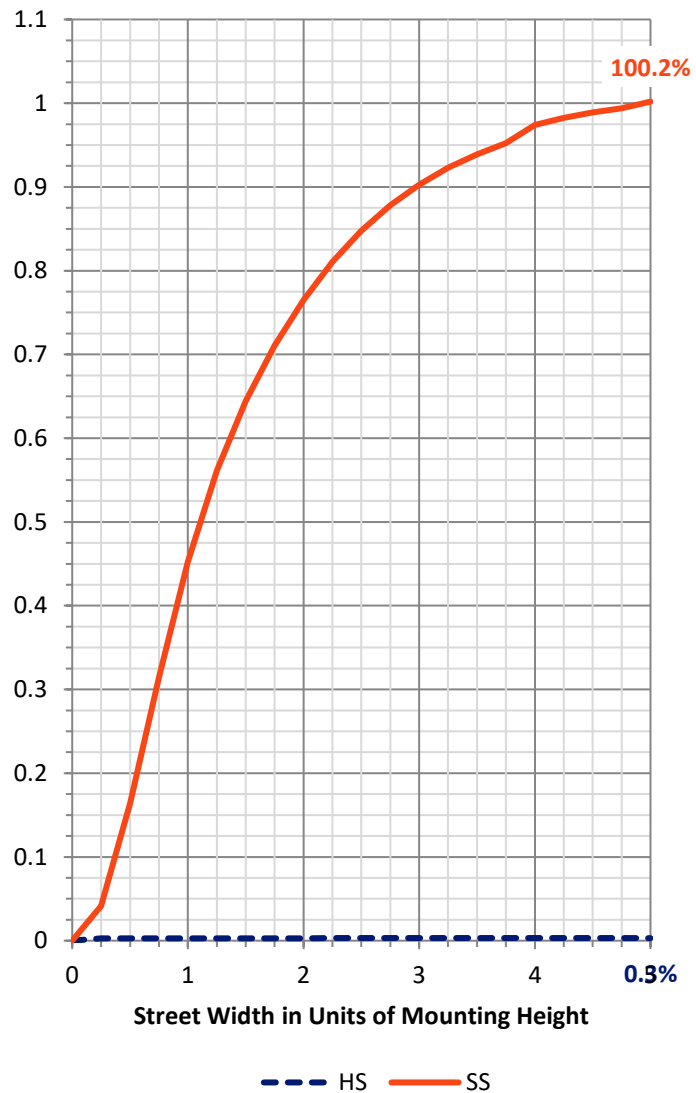
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	47.4	0.0	47.4
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	15345.5	0.0	15345.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	15393.0	0.0	15393.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.1
10°-20°	189.2	1.2
20°-30°	642.2	4.2
30°-40°	1509.2	9.8
40°-50°	2450.7	15.9
50°-60°	3105.5	20.2
60°-70°	3944.8	25.6
70°-80°	3205.1	20.8
80°-90°	330.0	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°	15393.0	100.0
0°-180°	15393.0	100.0



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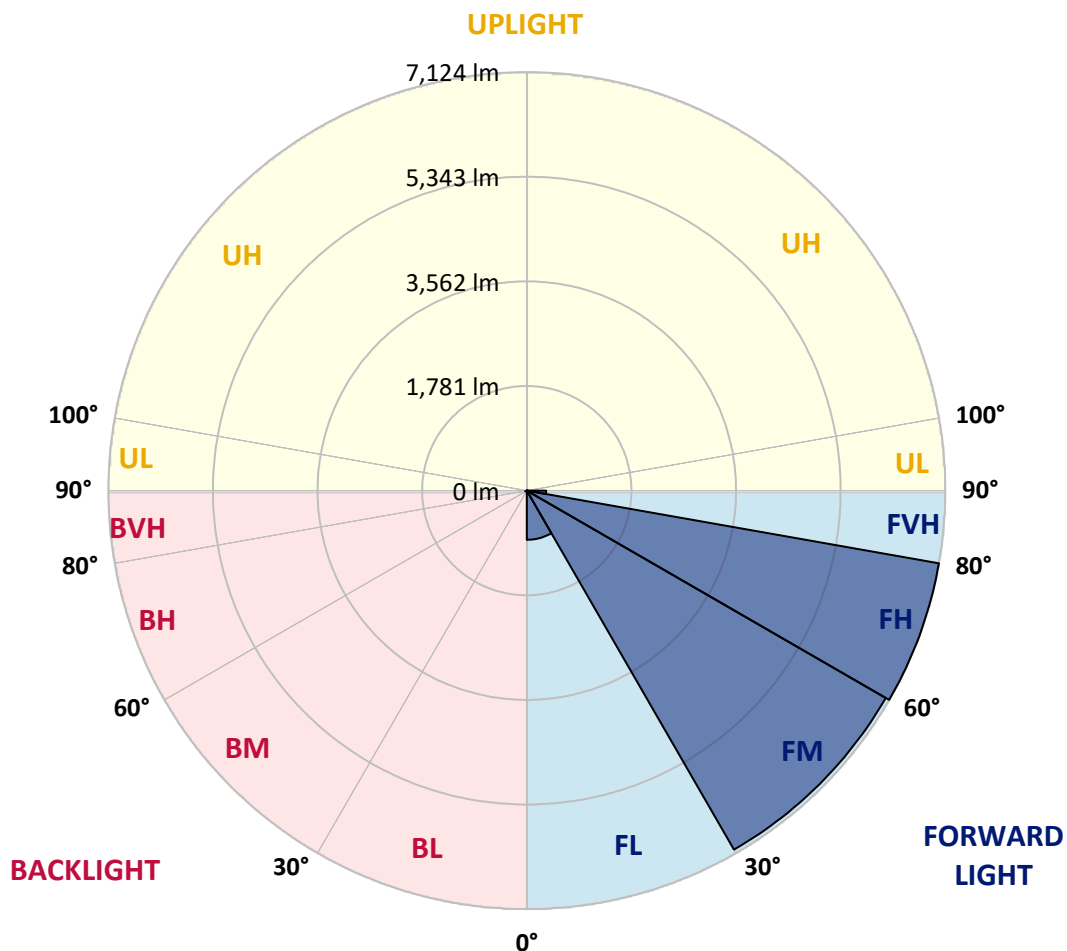
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	837.3	5.4			
FM	(30°-60°)	7056.3	45.8			
FH	(60°-80°)	7123.9	46.3			G3/7500
FVH	(80°-90°)	328.0	2.1			G3/500
BL	(0°-30°)	10.3	0.1	B0/110		
BM	(30°-60°)	9.1	0.1	B0/220		
BH	(60°-80°)	26.1	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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°	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2.5°	108.7	108.7	108.7	104.5	104.5	100.3	100.3	96.1	91.9	91.9	87.8
5°	204.8	209.0	196.4	171.3	154.6	146.3	137.9	117.0	104.5	96.1	87.8
7.5°	560.0	543.3	518.2	434.6	334.3	284.2	242.4	171.3	125.4	100.3	87.8
10°	1178.5	1132.5	1061.5	948.7	752.2	672.8	522.4	313.4	175.5	112.8	87.8
12.5°	1730.2	1738.5	1650.8	1542.1	1303.9	1170.2	965.4	589.3	275.8	133.7	87.8
15°	2148.1	2139.7	2106.3	2018.5	1805.4	1675.8	1492.0	990.5	463.9	167.2	91.9
17.5°	2478.2	2444.8	2432.3	2394.6	2256.7	2185.7	1985.1	1458.5	735.5	225.7	96.1
20°	2808.4	2800.0	2787.5	2745.7	2653.8	2603.6	2449.0	1930.8	1094.9	321.8	104.5
22.5°	3289.0	3243.0	3251.4	3159.4	3084.2	2996.4	2871.1	2432.3	1508.7	459.7	117.0
25°	3853.2	3849.0	3782.1	3740.3	3615.0	3518.8	3351.7	2917.0	1968.4	664.5	129.6
27.5°	4517.6	4471.7	4442.4	4371.4	4241.8	4133.2	3903.3	3397.6	2465.7	894.3	146.3
30°	5211.4	5211.4	5157.1	5048.4	4923.0	4789.3	4555.3	3903.3	2958.8	1186.9	167.2
32.5°	6022.1	6038.8	5905.1	5742.1	5579.1	5487.2	5182.1	4475.9	3431.1	1521.2	192.2
35°	6807.8	6786.9	6565.4	6385.7	6264.5	6164.2	5905.1	5102.7	3966.0	1909.9	225.7
37.5°	7560.1	7505.7	7138.0	6883.0	6828.7	6761.8	6502.7	5729.6	4496.7	2340.3	267.5
40°	8099.2	8015.6	7635.3	7284.2	7204.8	7167.2	6966.6	6298.0	5056.8	2820.9	321.8
42.5°	8333.2	8237.1	7973.8	7689.6	7514.1	7426.3	7250.8	6761.8	5616.8	3355.8	401.2
45°	8379.2	8303.9	8115.9	8049.0	7810.8	7677.1	7438.9	7092.0	6139.1	3886.6	509.9
47.5°	8212.0	8178.6	8065.7	8207.8	8086.6	7902.7	7614.4	7338.6	6603.0	4530.2	660.3
50°	7802.4	7777.4	7831.7	8203.6	8287.2	8078.3	7806.6	7530.8	7004.2	5194.7	873.4
52.5°	7250.8	7246.6	7501.5	8095.0	8375.0	8245.4	7994.7	7723.0	7321.8	5838.3	1174.3
55°	6649.0	6720.0	7167.2	7994.7	8425.1	8366.6	8178.6	7894.4	7606.0	6435.9	1659.1
57.5°	6598.9	6569.6	7000.1	7952.9	8454.4	8487.8	8362.4	8074.1	7848.4	6924.8	2306.9
60°	7100.3	7033.5	7196.5	8040.7	8583.9	8642.5	8546.3	8212.0	8090.8	7309.3	3159.4
62.5°	7681.2	7618.6	7702.1	8379.2	8838.9	8922.5	8801.3	8354.1	8287.2	7576.8	4074.7
65°	8145.1	8095.0	8253.8	8884.8	9194.1	9265.1	9181.6	8617.4	8375.0	7794.1	4818.5
67.5°	8220.4	8157.7	8487.8	9223.4	9553.5	9603.7	9536.8	8872.3	8345.7	7810.8	4989.9
70°	8007.2	7952.9	8425.1	9332.0	9708.1	9749.9	9536.8	8751.1	7948.7	7384.5	4078.8
72.5°	7351.1	7392.9	8003.0	9068.7	9495.0	9302.8	8851.4	8141.0	7434.7	6260.3	2862.7
75°	6331.4	6377.4	7188.1	8345.7	8379.2	8145.1	7902.7	7489.0	6653.2	4124.8	1985.1
77.5°	4500.9	4337.9	5549.9	6891.4	6770.2	6920.6	6941.5	6231.1	5570.8	2148.1	1329.0
80°	443.0	376.1	697.9	1976.7	4367.2	4881.2	5081.8	4801.8	4108.1	961.2	697.9
82.5°	96.1	96.1	104.5	112.8	175.5	263.3	1207.8	2958.8	2653.8	489.0	225.7
85°	54.3	54.3	66.9	79.4	104.5	117.0	137.9	183.9	714.6	175.5	41.8
87.5°	41.8	46.0	54.3	66.9	87.8	96.1	117.0	146.3	179.7	163.0	12.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: NAV-SA3C-735-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2.5°	87.8	83.6	79.4	75.2	71.0	71.0	66.9	66.9	66.9	66.9	66.9
5°	83.6	79.4	75.2	66.9	62.7	58.5	54.3	54.3	54.3	54.3	54.3
7.5°	83.6	79.4	71.0	62.7	54.3	50.1	46.0	41.8	41.8	46.0	46.0
10°	83.6	75.2	62.7	54.3	46.0	41.8	37.6	33.4	33.4	33.4	33.4
12.5°	79.4	71.0	58.5	50.1	41.8	33.4	25.1	20.9	20.9	20.9	20.9
15°	75.2	66.9	54.3	41.8	29.3	20.9	16.7	12.5	12.5	12.5	12.5
17.5°	75.2	62.7	50.1	37.6	20.9	12.5	8.4	4.2	4.2	4.2	8.4
20°	75.2	62.7	46.0	29.3	12.5	8.4	8.4	4.2	0.0	4.2	4.2
22.5°	75.2	58.5	37.6	20.9	12.5	8.4	4.2	0.0	0.0	0.0	0.0
25°	79.4	58.5	33.4	16.7	8.4	4.2	0.0	0.0	0.0	0.0	0.0
27.5°	79.4	54.3	29.3	12.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	83.6	54.3	25.1	8.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	83.6	50.1	16.7	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	83.6	46.0	12.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	83.6	41.8	12.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	87.8	37.6	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	91.9	33.4	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	96.1	29.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	108.7	29.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	125.4	29.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	150.4	29.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	196.4	25.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	284.2	25.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	476.4	25.1	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	835.8	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1412.5	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1843.0	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1400.0	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	668.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	296.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	129.6	12.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	50.1	8.4	4.2	4.2	4.2	4.2	0.0	0.0	0.0	0.0	0.0
82.5°	20.9	8.4	4.2	4.2	4.2	4.2	4.2	0.0	0.0	0.0	0.0
85°	12.5	8.4	8.4	8.4	4.2	4.2	4.2	0.0	0.0	0.0	0.0
87.5°	8.4	8.4	8.4	8.4	8.4	4.2	4.2	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

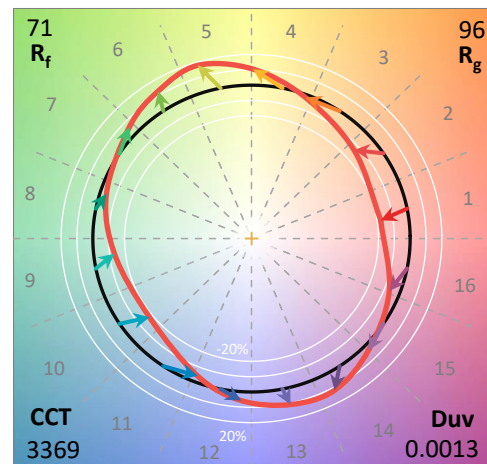
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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	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

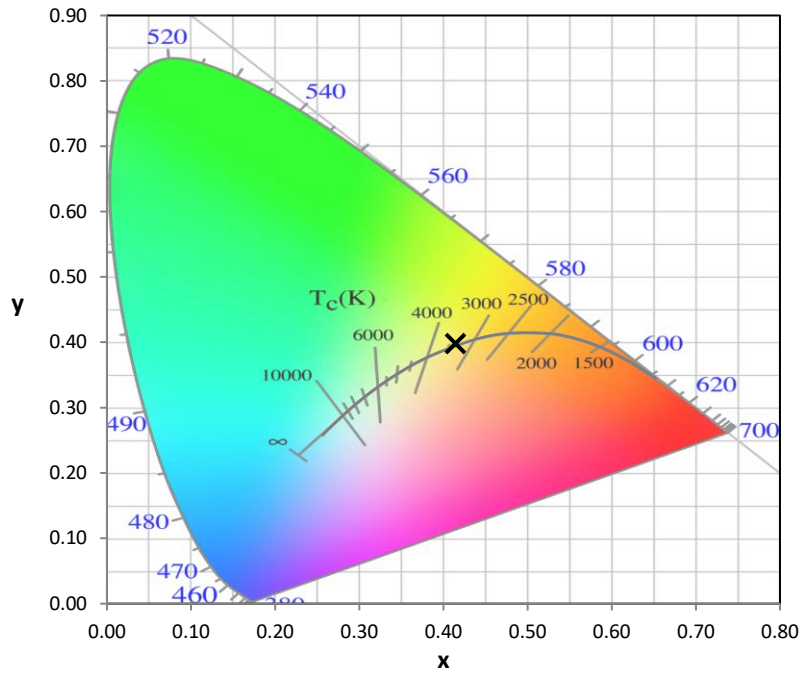
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

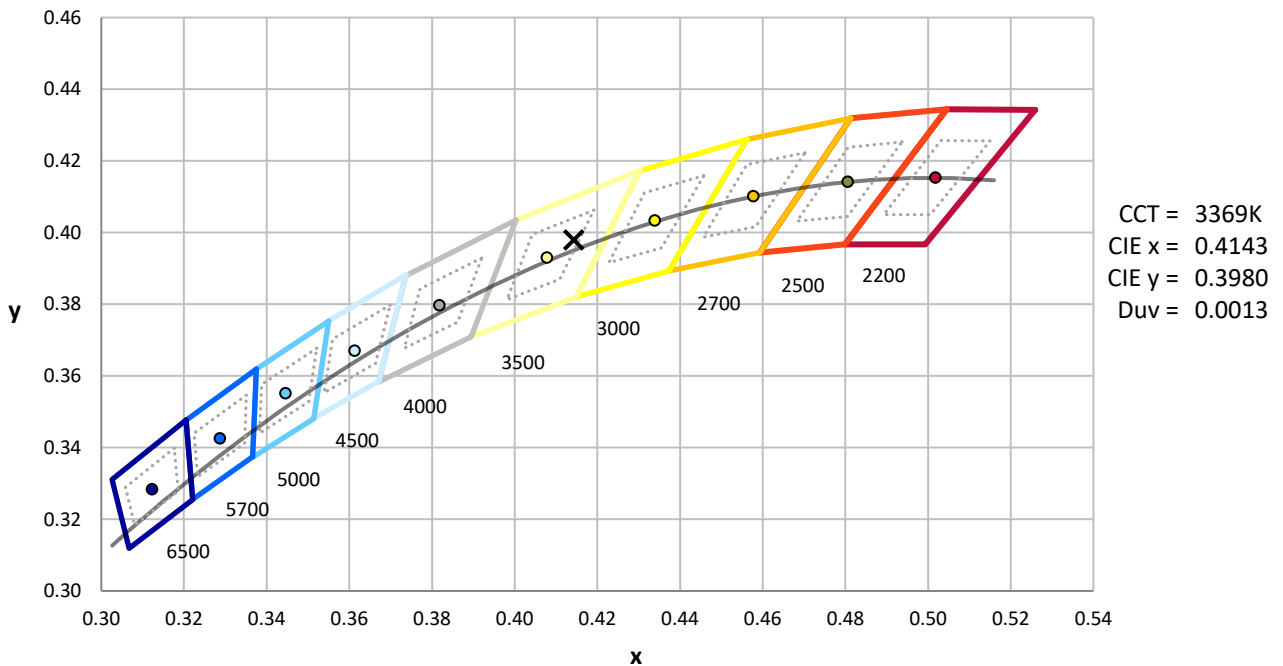
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



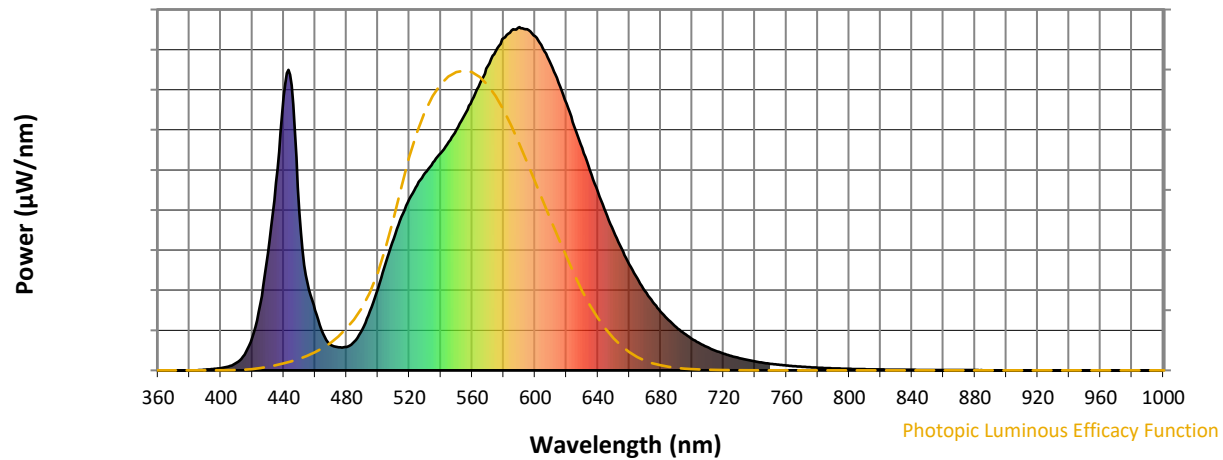
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

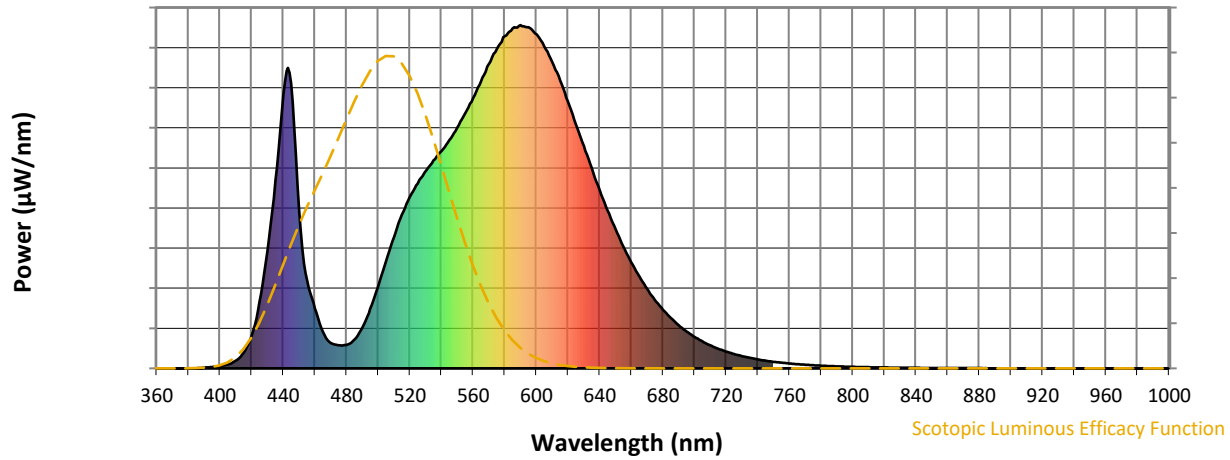


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength

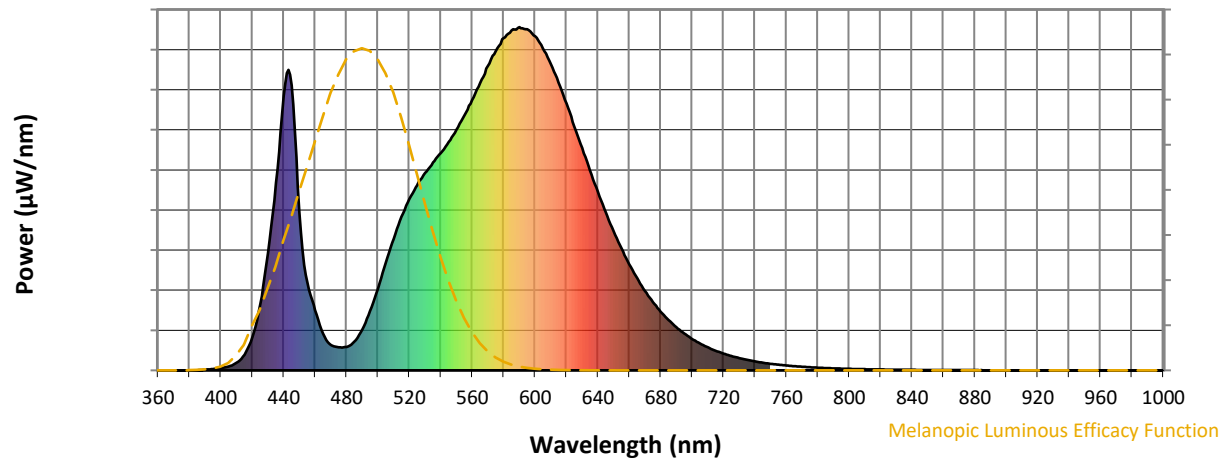


Scotopic Lumens: NR

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

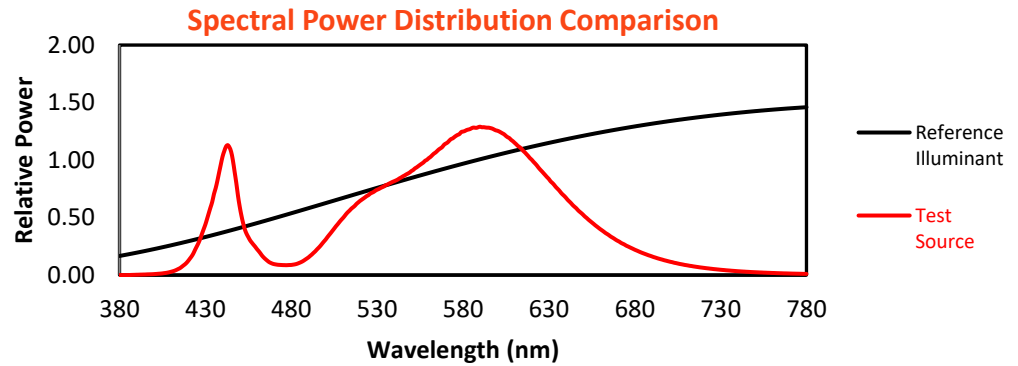
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778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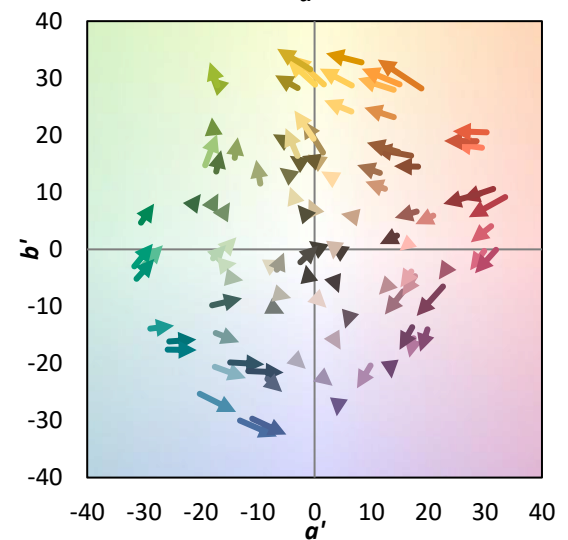
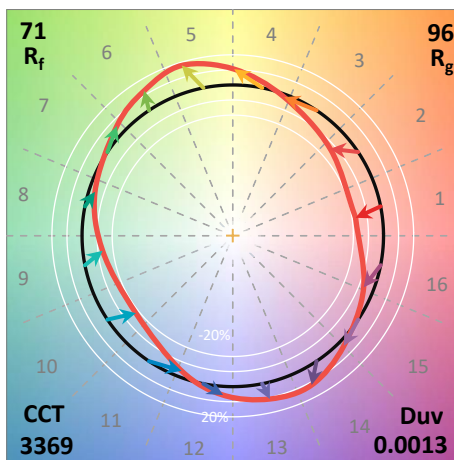
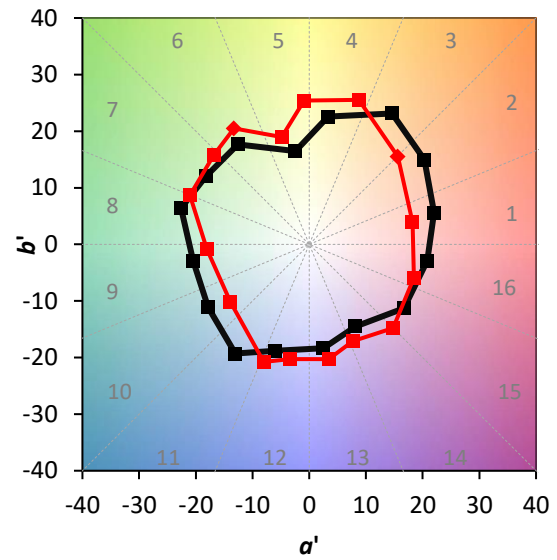
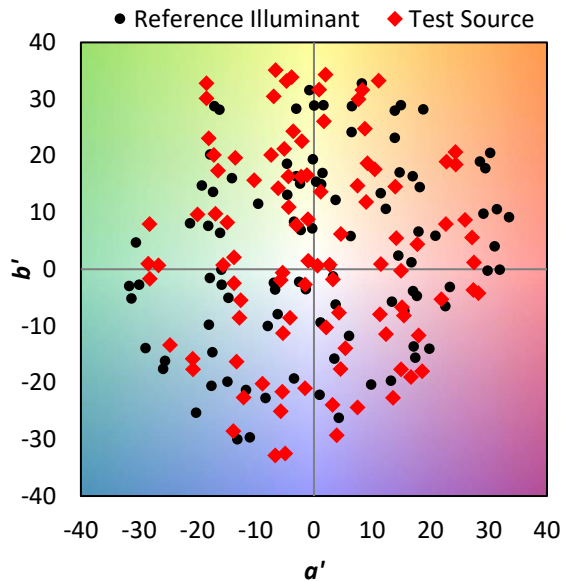
TM-30-18

Summary

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

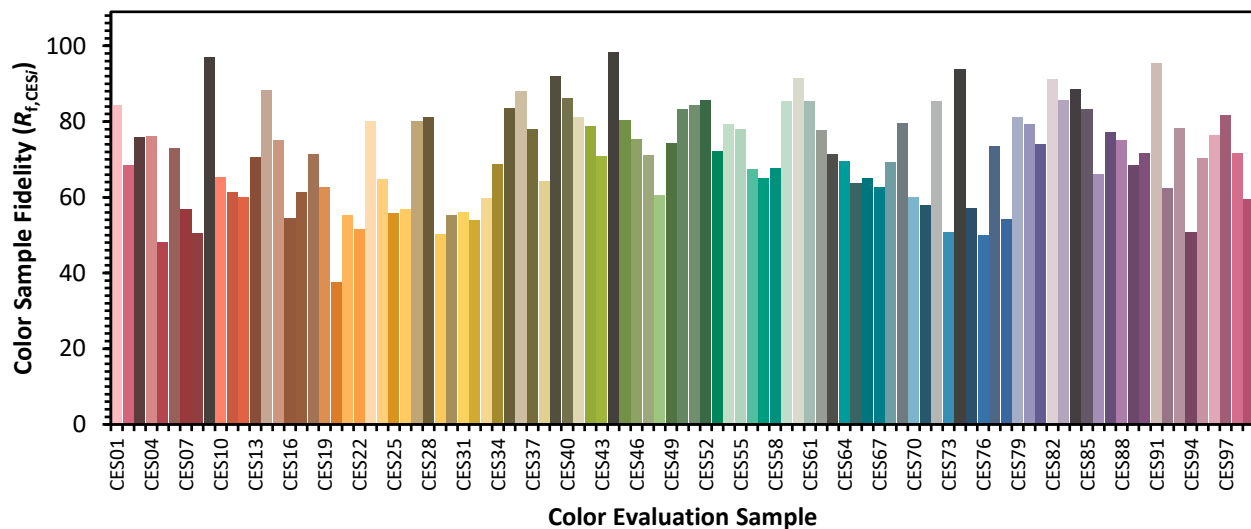


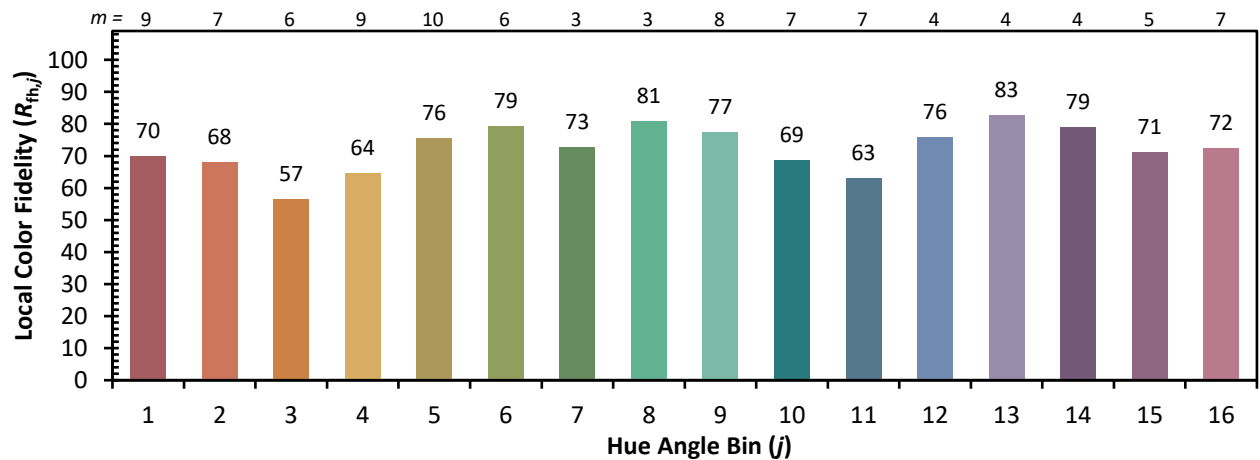
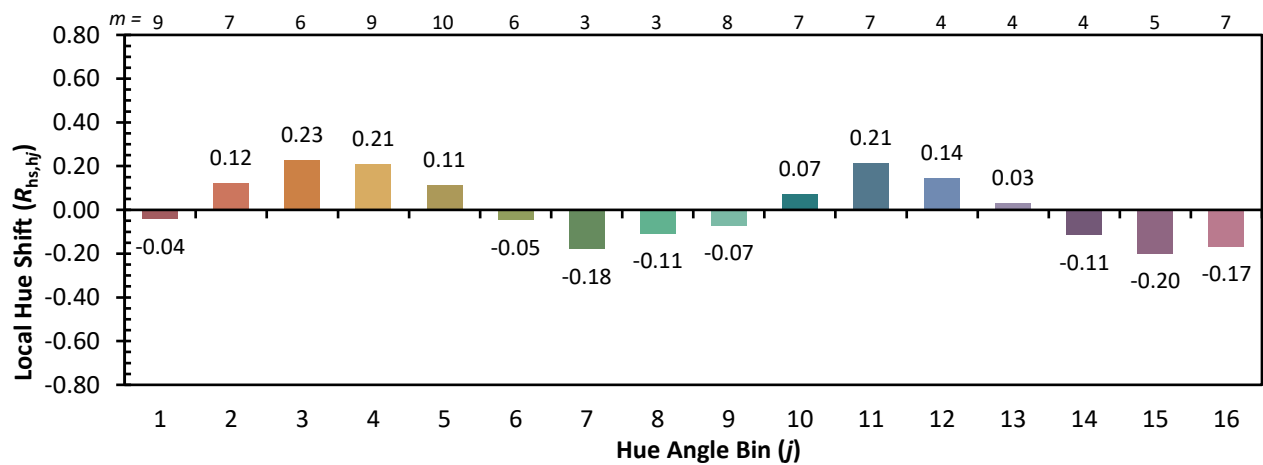
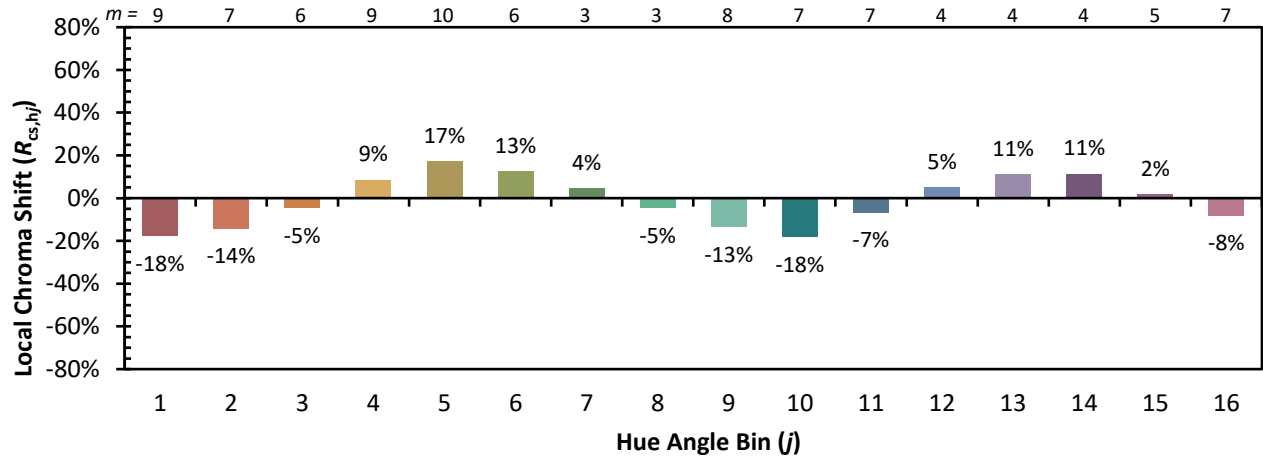
Color Vector Graphics



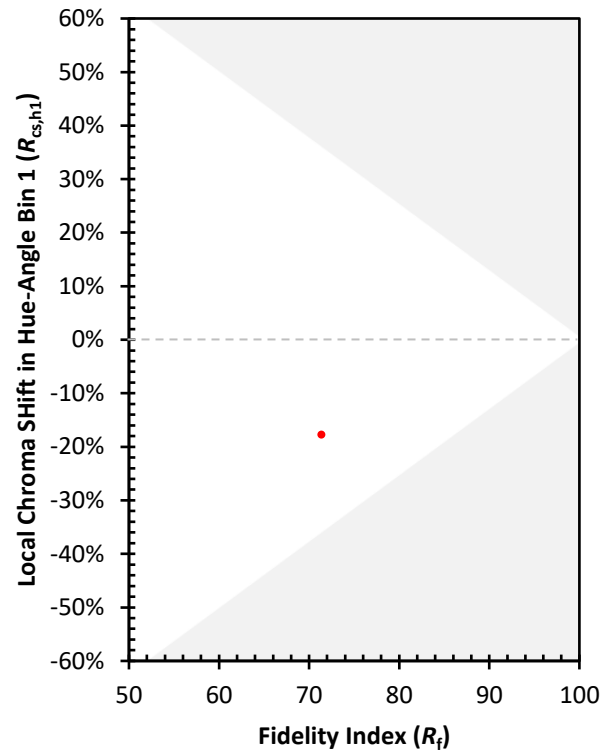
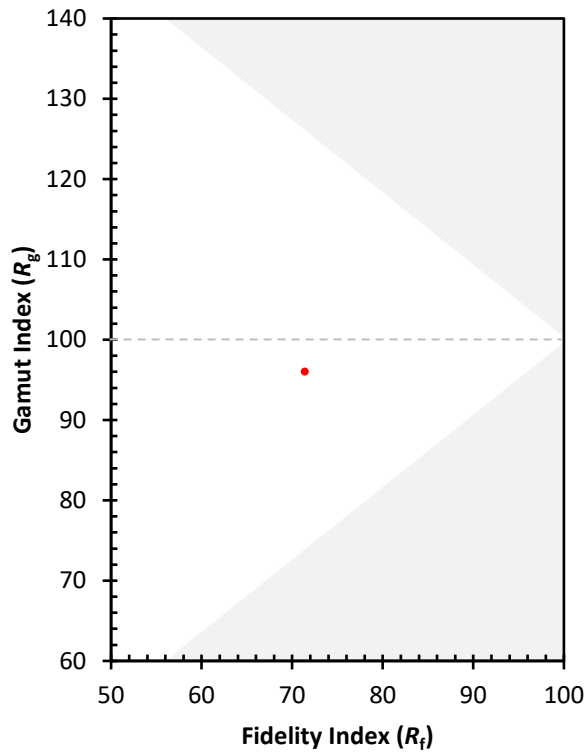
Individual Sample Fidelity Index ($R_{f,i}$)

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)