

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: STREETWORKS

Report Number: P1066298

Luminaire Tested: **NVN-SA4B-735-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066298
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4B-735-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 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: 16351.4 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 144.1
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

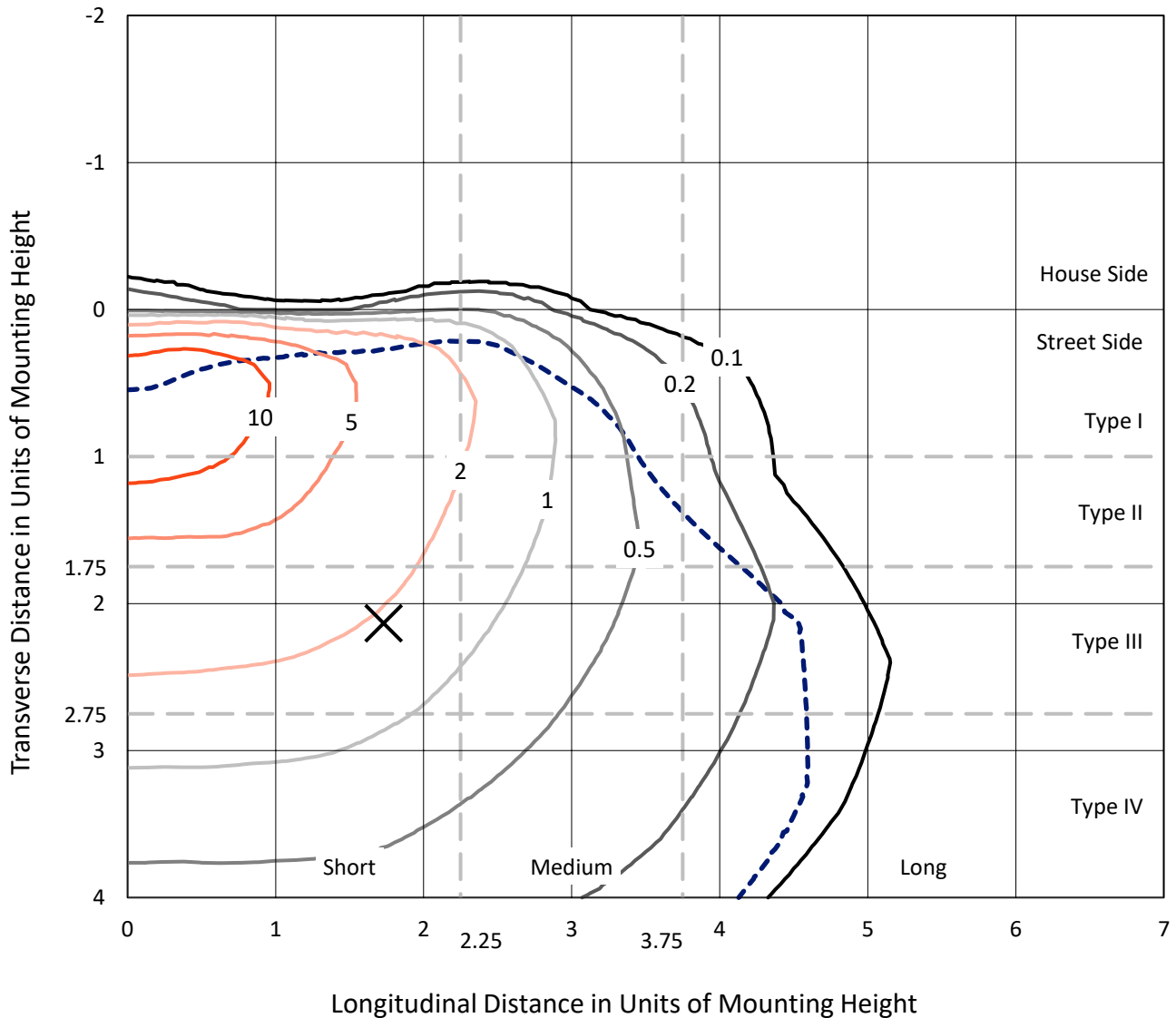


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

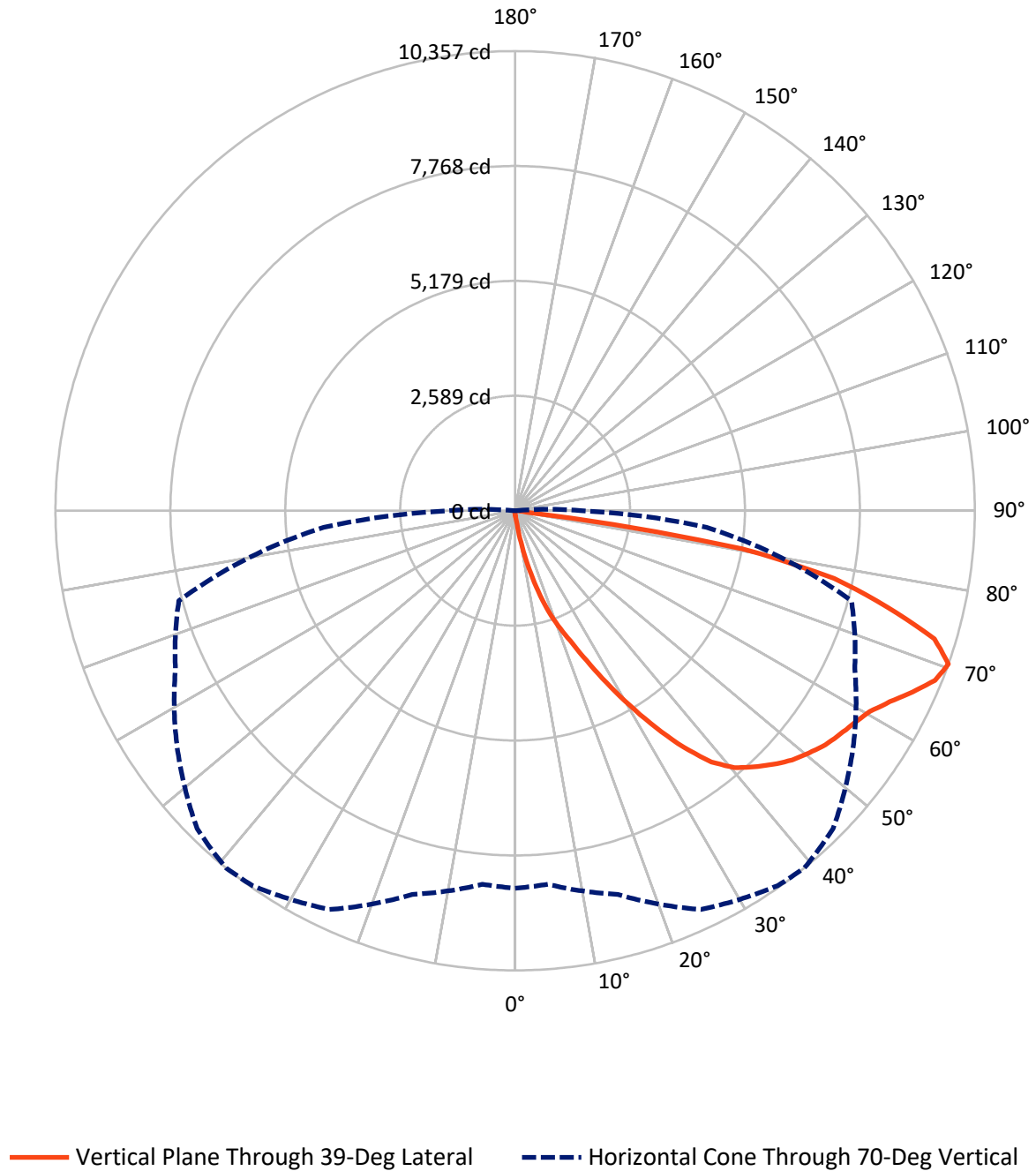


Based on 15 foot mounting height. Maximum calculated value = 17.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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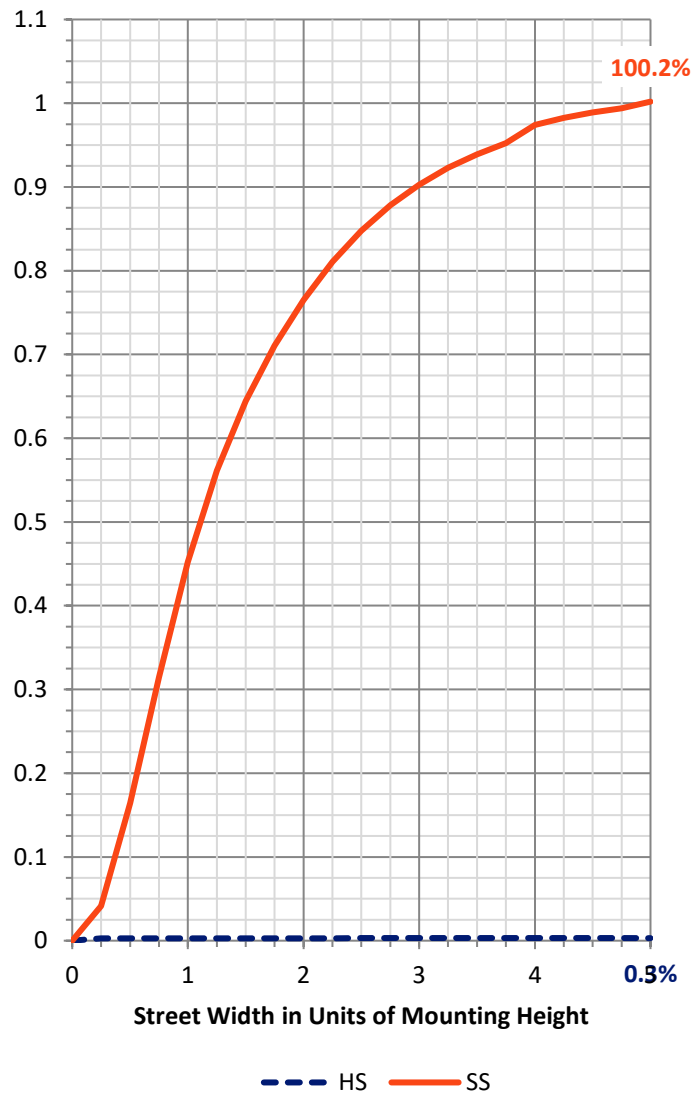
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	50.3	0.0	50.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	16301.1	0.0	16301.1
	% Fixture	99.7	0.0	99.7
Total	Lumens	16351.4	0.0	16351.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.1
10°-20°	201.0	1.2
20°-30°	682.2	4.2
30°-40°	1603.2	9.8
40°-50°	2603.3	15.9
50°-60°	3298.9	20.2
60°-70°	4190.4	25.6
70°-80°	3404.7	20.8
80°-90°	350.6	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°	16351.4	100.0
0°-180°	16351.4	100.0



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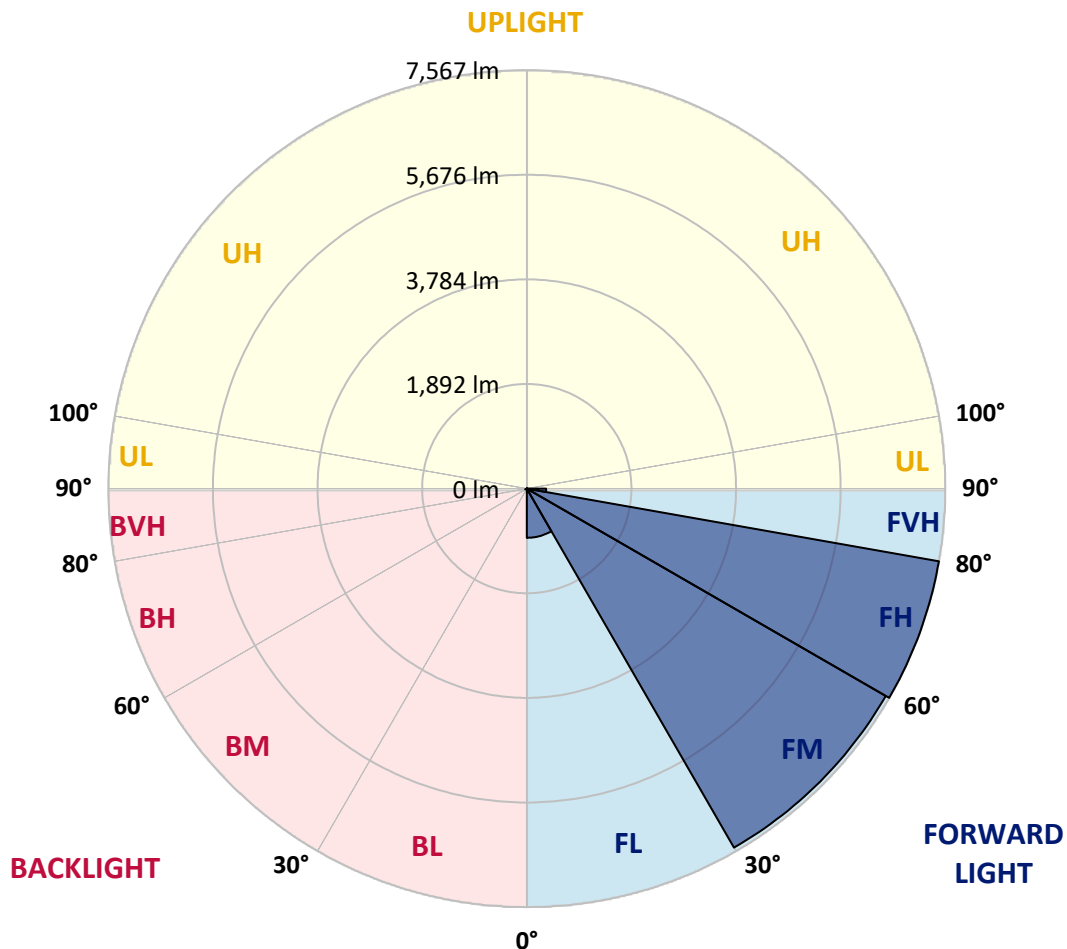
CATALOG NUMBER: NVN-SA4B-735-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	889.5	5.4			
FM	(30°-60°)	7495.7	45.8			
FH	(60°-80°)	7567.5	46.3			G4/12000
FVH	(80°-90°)	348.5	2.1			G3/500
BL	(0°-30°)	10.9	0.1	B0/110		
BM	(30°-60°)	9.7	0.1	B0/220		
BH	(60°-80°)	27.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2.5°	115.4	115.4	115.4	111.0	111.0	106.5	106.5	102.1	97.7	97.7	93.2
5°	217.5	222.0	208.7	182.0	164.3	155.4	146.5	124.3	111.0	102.1	93.2
7.5°	594.9	577.1	550.5	461.7	355.1	301.9	257.5	182.0	133.2	106.5	93.2
10°	1251.9	1203.1	1127.6	1007.7	799.1	714.7	554.9	333.0	186.5	119.9	93.2
12.5°	1837.9	1846.8	1753.5	1638.1	1385.1	1243.0	1025.5	626.0	293.0	142.1	93.2
15°	2281.8	2273.0	2237.4	2144.2	1917.8	1780.2	1584.9	1052.1	492.8	177.6	97.7
17.5°	2632.5	2597.0	2583.7	2543.8	2397.3	2321.8	2108.7	1549.3	781.3	239.7	102.1
20°	2983.3	2974.4	2961.1	2916.7	2819.0	2765.7	2601.5	2051.0	1163.1	341.8	111.0
22.5°	3493.8	3444.9	3453.8	3356.2	3276.3	3183.0	3049.8	2583.7	1602.6	488.3	124.3
25°	4093.1	4088.7	4017.6	3973.2	3840.1	3737.9	3560.4	3098.7	2090.9	705.9	137.6
27.5°	4799.0	4750.1	4719.0	4643.6	4506.0	4390.5	4146.4	3609.2	2619.2	950.0	155.4
30°	5535.9	5535.9	5478.2	5362.8	5229.6	5087.5	4838.9	4146.4	3143.1	1260.8	177.6
32.5°	6397.1	6414.9	6272.8	6099.7	5926.6	5828.9	5504.8	4754.6	3644.7	1615.9	204.2
35°	7231.7	7209.5	6974.2	6783.3	6654.6	6548.1	6272.8	5420.5	4213.0	2028.8	239.7
37.5°	8030.8	7973.1	7582.4	7311.6	7253.9	7182.9	6907.7	6086.4	4776.8	2486.0	284.1
40°	8603.5	8514.7	8110.7	7737.8	7653.5	7613.5	7400.4	6690.1	5371.6	2996.6	341.8
42.5°	8852.1	8750.0	8470.3	8168.4	7982.0	7888.8	7702.3	7182.9	5966.5	3564.8	426.2
45°	8900.9	8821.0	8621.2	8550.2	8297.2	8155.1	7902.1	7533.6	6521.4	4128.6	541.6
47.5°	8723.4	8687.8	8568.0	8718.9	8590.2	8394.8	8088.5	7795.5	7014.2	4812.3	701.4
50°	8288.3	8261.7	8319.4	8714.5	8803.3	8581.3	8292.7	7999.7	7440.4	5518.1	927.8
52.5°	7702.3	7697.9	7968.7	8599.0	8896.5	8758.9	8492.5	8203.9	7777.8	6201.8	1247.5
55°	7063.0	7138.5	7613.5	8492.5	8949.8	8887.6	8687.8	8386.0	8079.6	6836.6	1762.4
57.5°	7009.8	6978.7	7435.9	8448.1	8980.8	9016.4	8883.2	8576.9	8337.1	7356.0	2450.5
60°	7542.5	7471.5	7644.6	8541.3	9118.5	9180.6	9078.5	8723.4	8594.6	7764.4	3356.2
62.5°	8159.6	8093.0	8181.7	8900.9	9389.3	9478.0	9349.3	8874.3	8803.3	8048.6	4328.4
65°	8652.3	8599.0	8767.7	9438.1	9766.6	9842.1	9753.3	9154.0	8896.5	8279.4	5118.6
67.5°	8732.2	8665.6	9016.4	9797.7	10148.4	10201.7	10130.6	9424.8	8865.4	8297.2	5300.6
70°	8505.8	8448.1	8949.8	9913.1	10312.6	10357.0	10130.6	9296.0	8443.7	7844.4	4332.8
72.5°	7808.8	7853.2	8501.4	9633.4	10086.2	9882.0	9402.6	8647.9	7897.6	6650.2	3041.0
75°	6725.6	6774.5	7635.7	8865.4	8900.9	8652.3	8394.8	7955.3	7067.5	4381.7	2108.7
77.5°	4781.2	4608.1	5895.5	7320.5	7191.8	7351.6	7373.8	6619.1	5917.7	2281.8	1411.7
80°	470.6	399.5	741.4	2099.8	4639.1	5185.2	5398.3	5100.8	4363.9	1021.1	741.4
82.5°	102.1	102.1	111.0	119.9	186.5	279.7	1283.0	3143.1	2819.0	519.4	239.7
85°	57.7	57.7	71.0	84.3	111.0	124.3	146.5	195.3	759.1	186.5	44.4
87.5°	44.4	48.8	57.7	71.0	93.2	102.1	124.3	155.4	190.9	173.1	13.3
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: NVN-SA4B-735-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
2.5°	93.2	88.8	84.3	79.9	75.5	75.5	71.0	71.0	71.0	71.0	71.0
5°	88.8	84.3	79.9	71.0	66.6	62.2	57.7	57.7	57.7	57.7	57.7
7.5°	88.8	84.3	75.5	66.6	57.7	53.3	48.8	44.4	44.4	48.8	48.8
10°	88.8	79.9	66.6	57.7	48.8	44.4	40.0	35.5	35.5	35.5	35.5
12.5°	84.3	75.5	62.2	53.3	44.4	35.5	26.6	22.2	22.2	22.2	22.2
15°	79.9	71.0	57.7	44.4	31.1	22.2	17.8	13.3	13.3	13.3	13.3
17.5°	79.9	66.6	53.3	40.0	22.2	13.3	8.9	4.4	4.4	4.4	8.9
20°	79.9	66.6	48.8	31.1	13.3	8.9	8.9	4.4	0.0	4.4	4.4
22.5°	79.9	62.2	40.0	22.2	13.3	8.9	4.4	0.0	0.0	0.0	0.0
25°	84.3	62.2	35.5	17.8	8.9	4.4	0.0	0.0	0.0	0.0	0.0
27.5°	84.3	57.7	31.1	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	88.8	57.7	26.6	8.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	88.8	53.3	17.8	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	88.8	48.8	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	88.8	44.4	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	93.2	40.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	97.7	35.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	102.1	31.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	115.4	31.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	133.2	31.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	159.8	31.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	208.7	26.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	301.9	26.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	506.1	26.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	887.9	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1500.5	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1957.8	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1487.2	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	710.3	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	315.2	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	137.6	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	53.3	8.9	4.4	4.4	4.4	4.4	0.0	0.0	0.0	0.0	0.0
82.5°	22.2	8.9	4.4	4.4	4.4	4.4	4.4	0.0	0.0	0.0	0.0
85°	13.3	8.9	8.9	8.9	4.4	4.4	4.4	0.0	0.0	0.0	0.0
87.5°	8.9	8.9	8.9	8.9	8.9	4.4	4.4	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
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

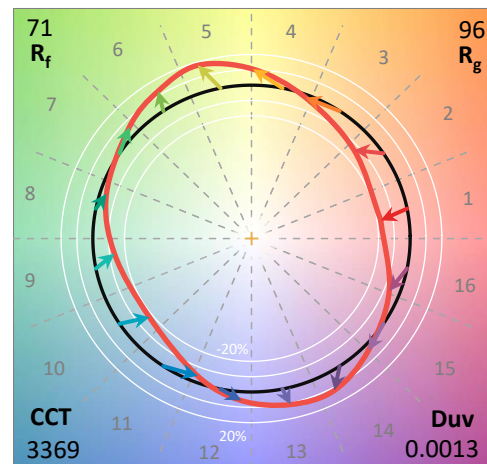
Test Information

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

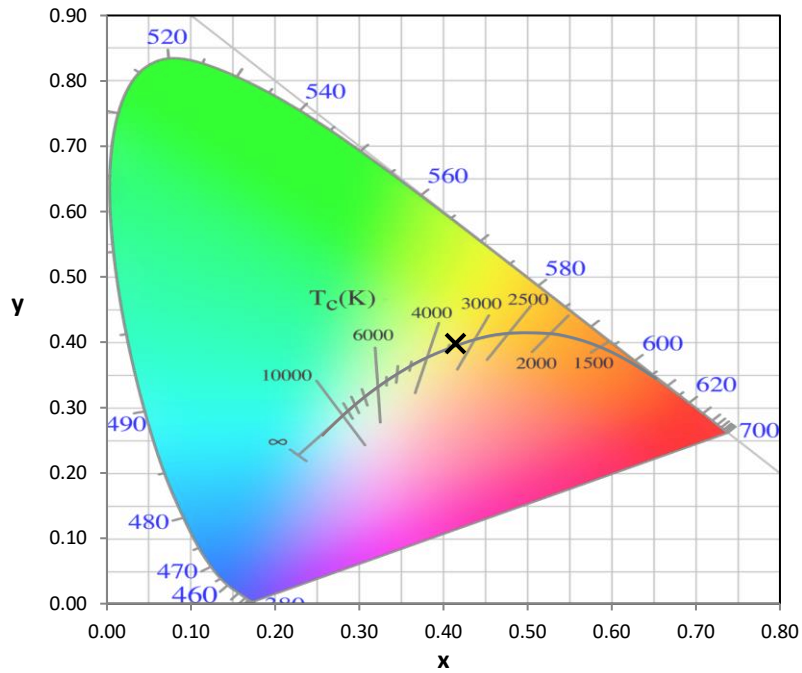
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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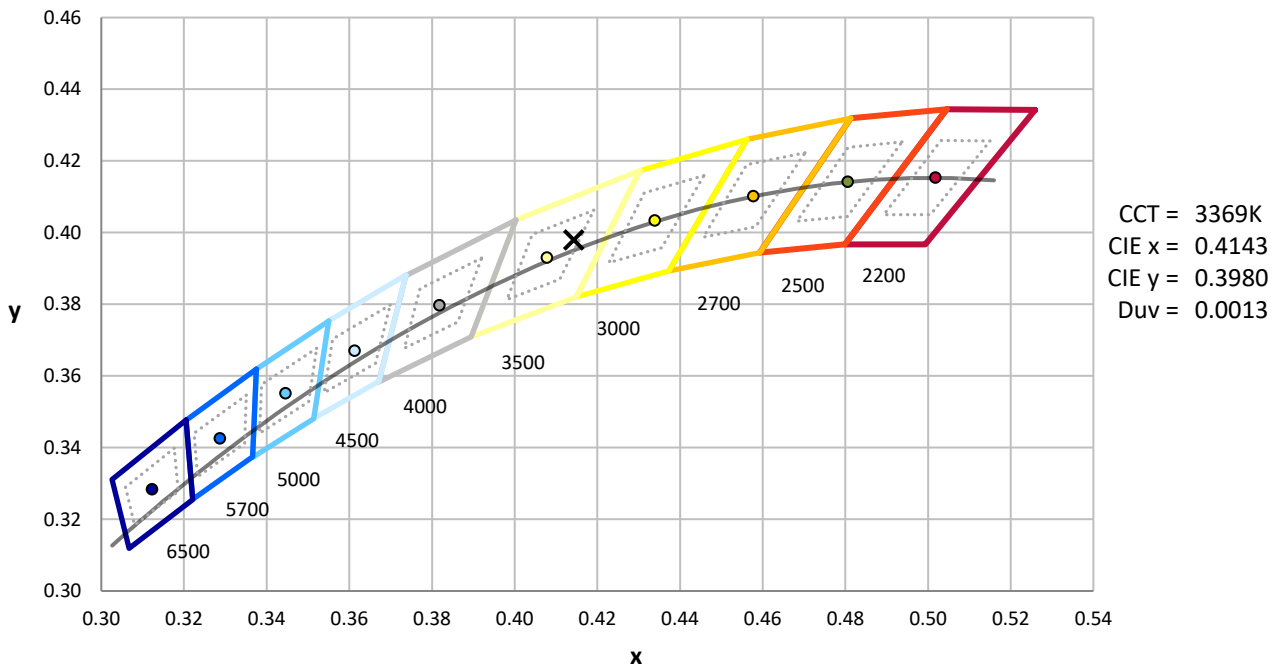
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



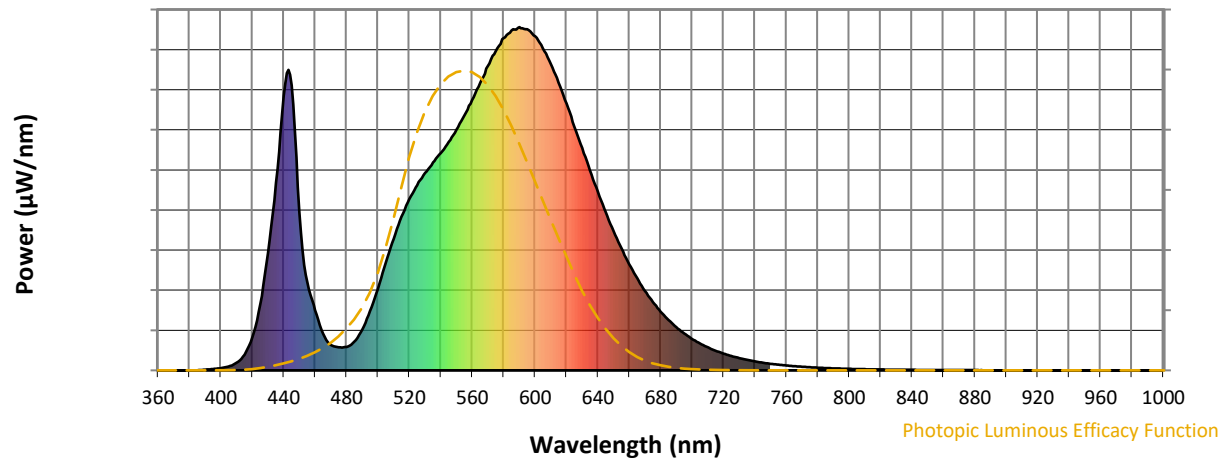
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

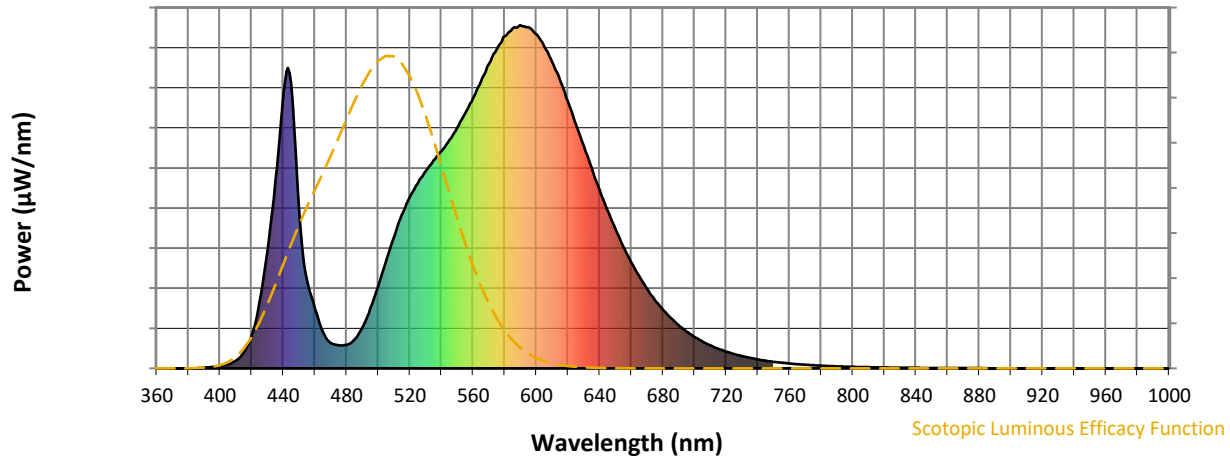


Photopic Lumens: NR

λ (nm)	Power 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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Scotopic Flux vs. Wavelength



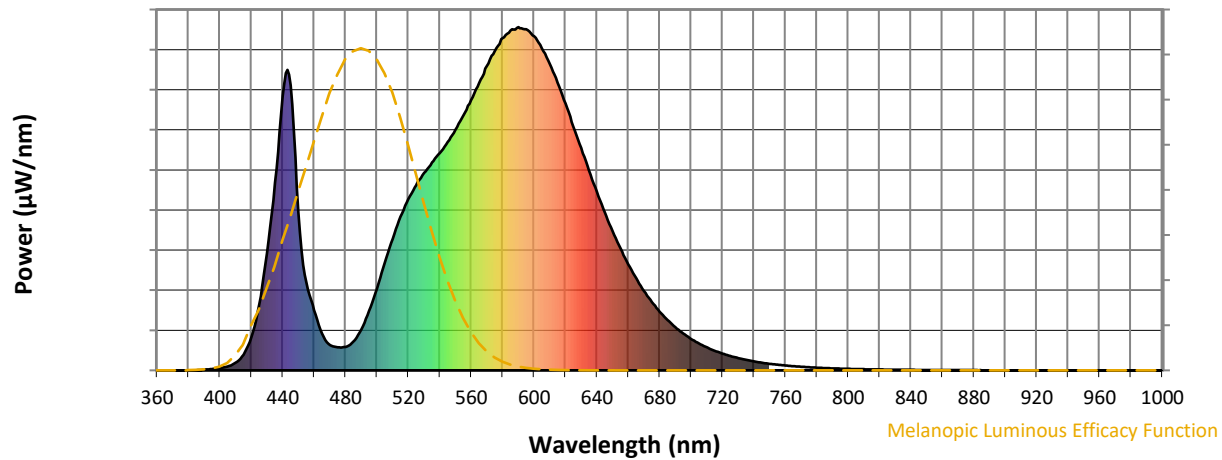
Scotopic Lumens: NR

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

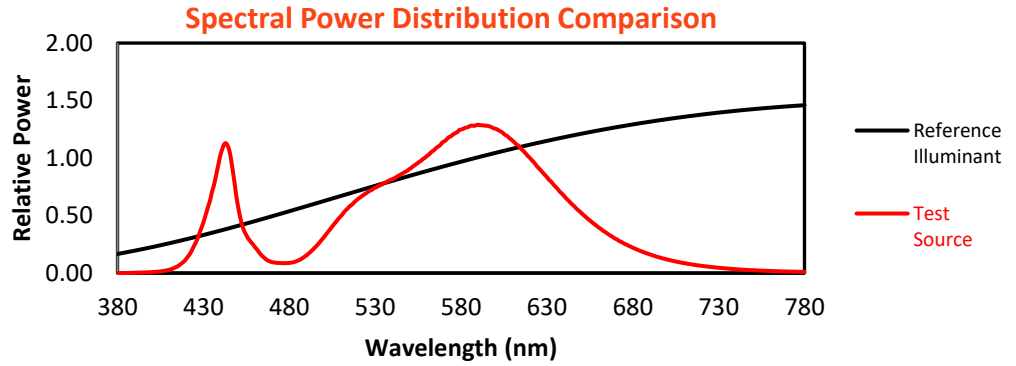
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630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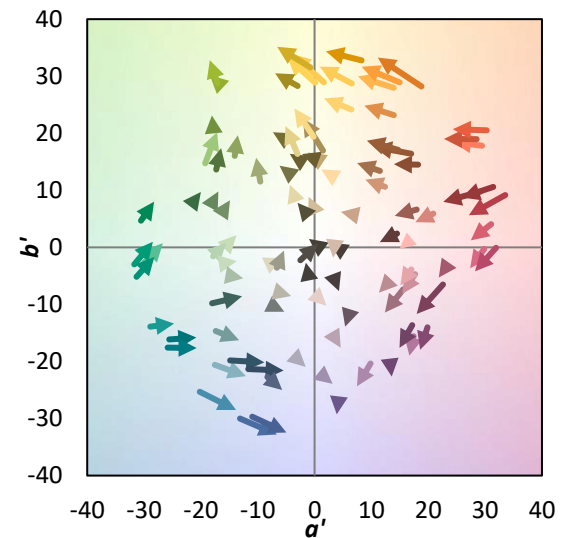
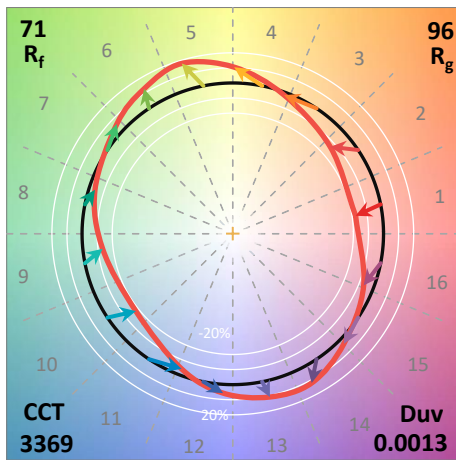
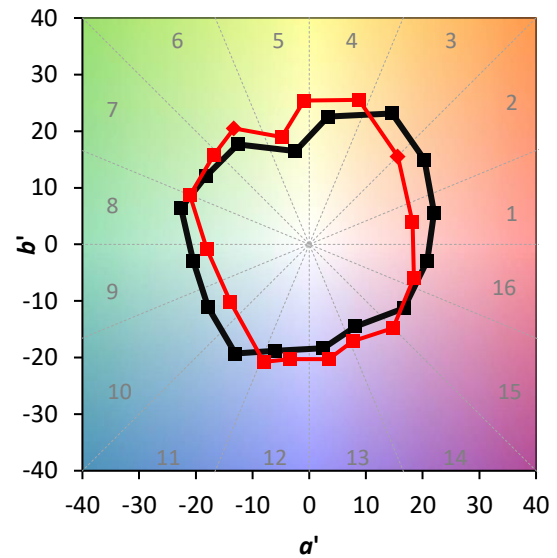
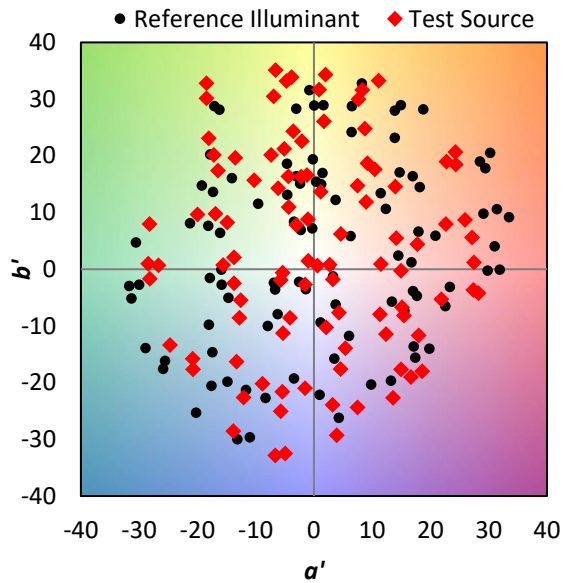
TM-30-18

Summary

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

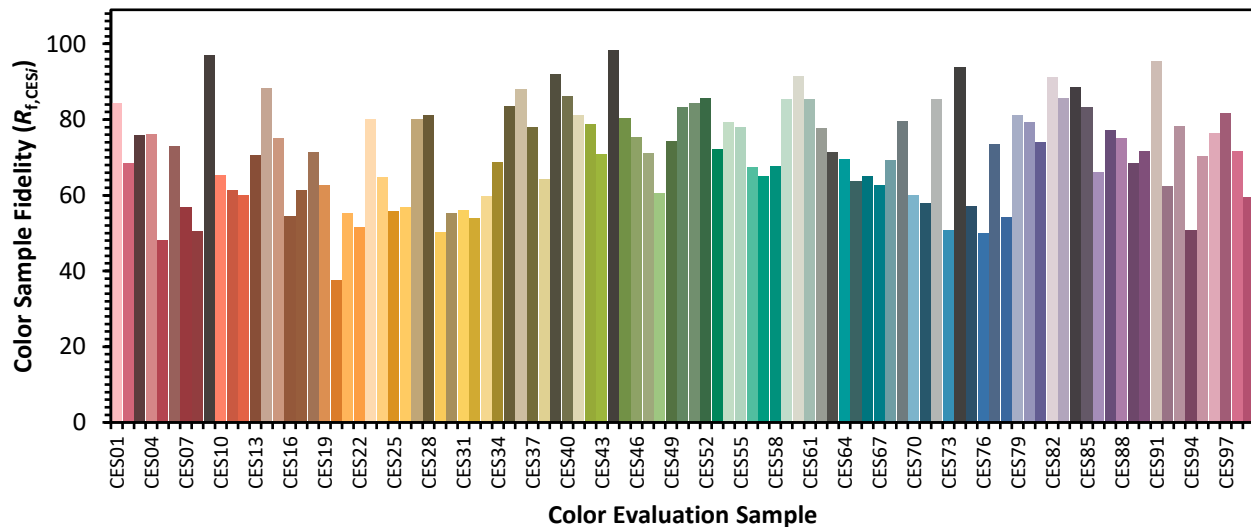


Color Vector Graphics

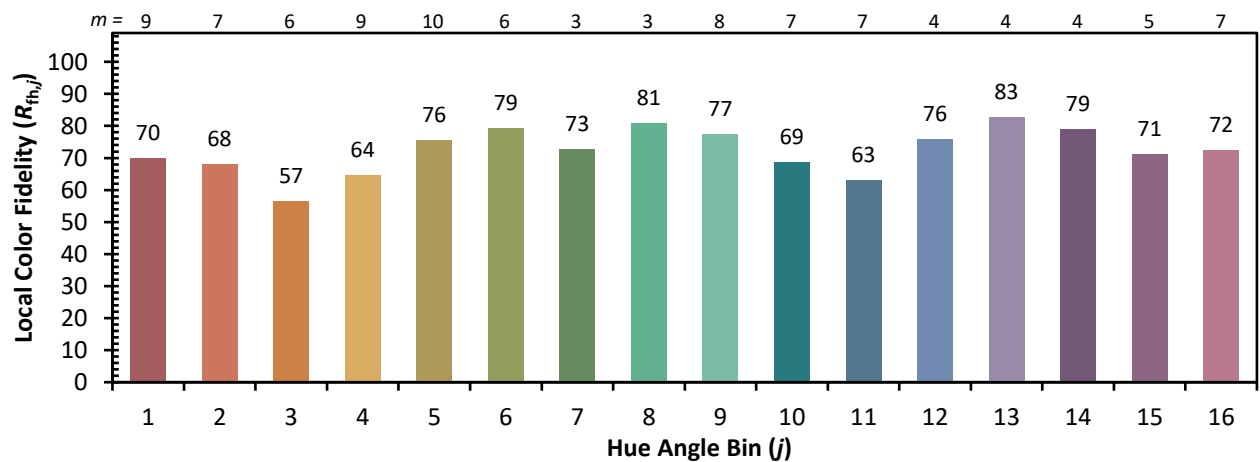
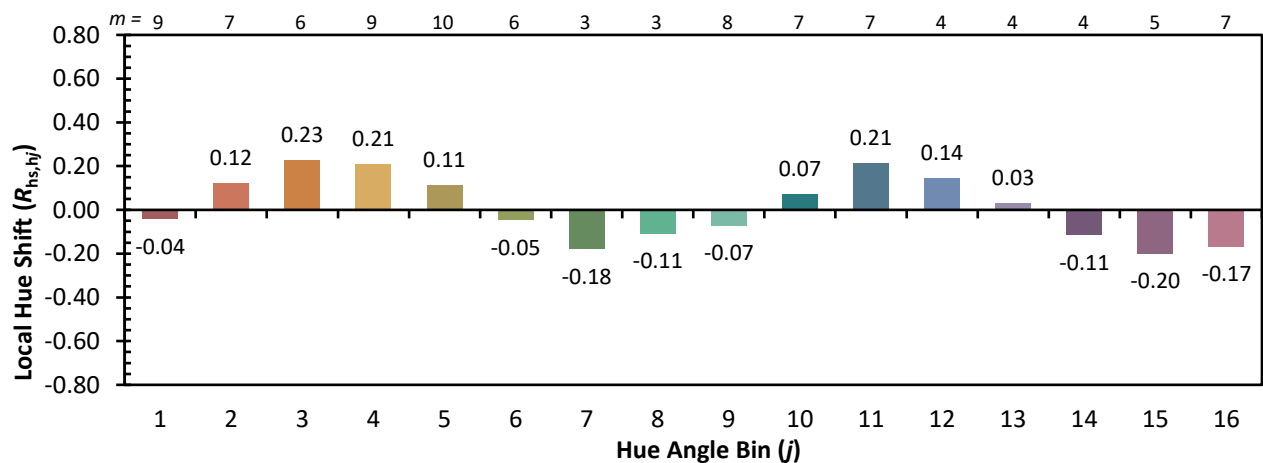
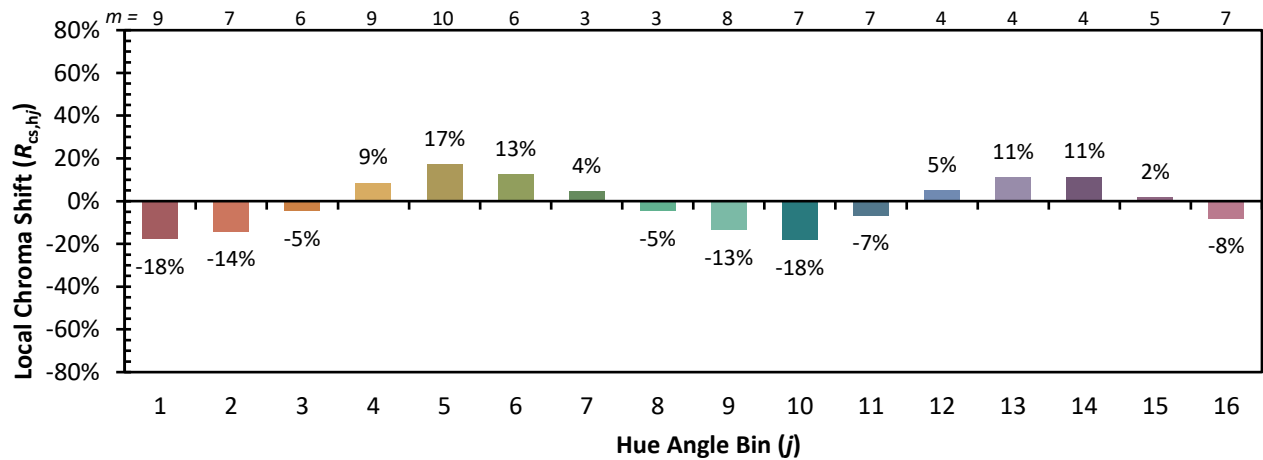


Individual Sample Fidelity Index ($R_{f,i}$)

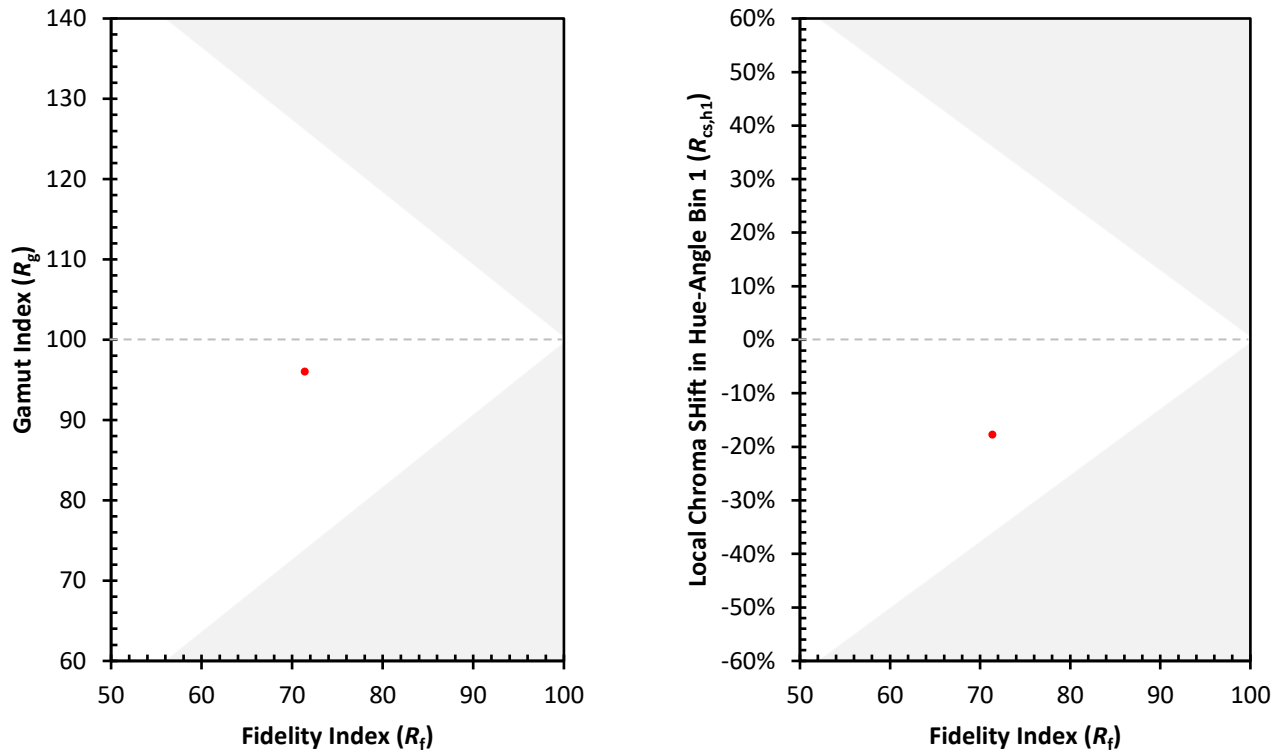
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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