

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: P1065814

Luminaire Tested: **NVN-SA3B-735-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065814
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3B-735-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13020 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 106.2
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

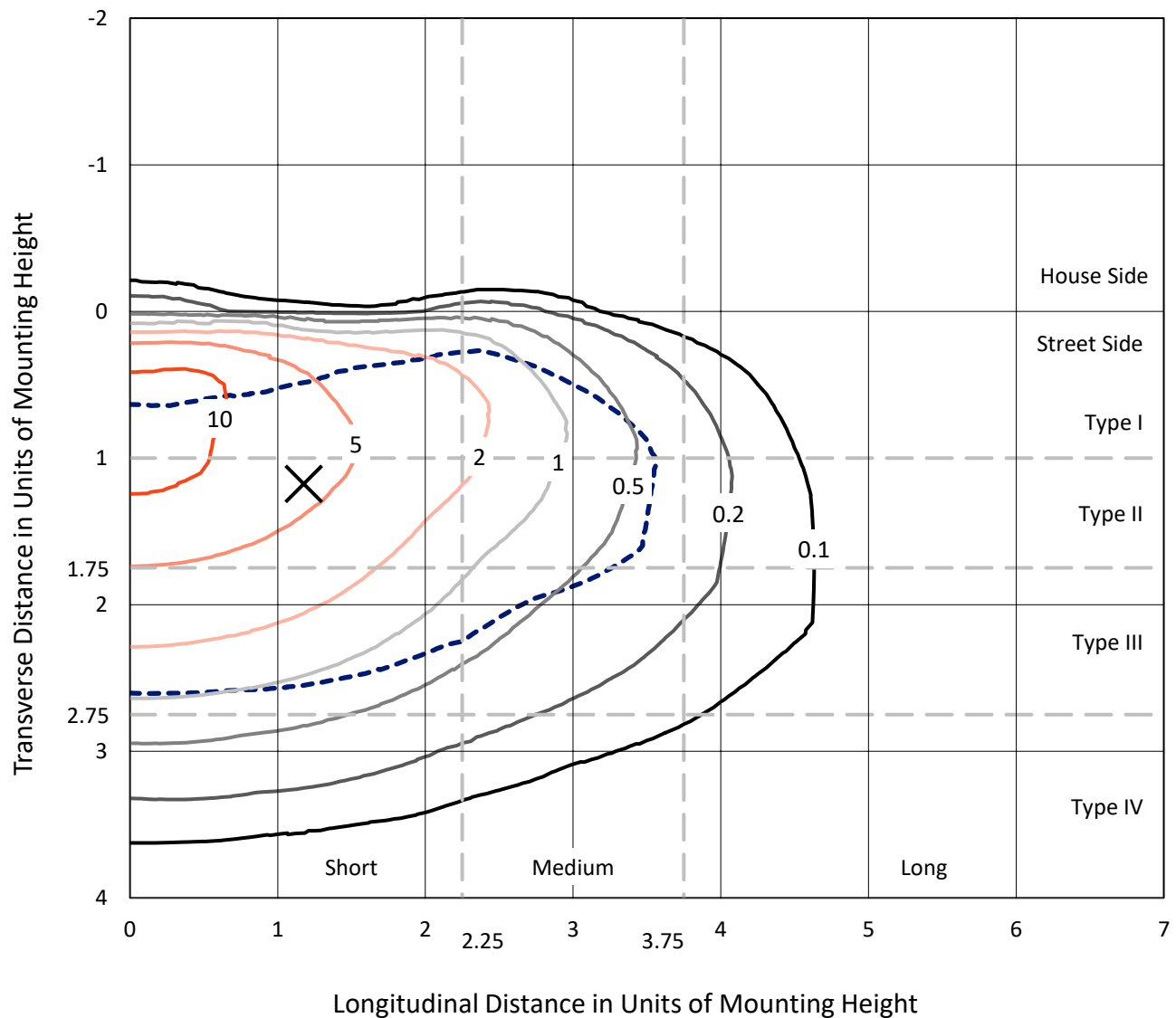


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

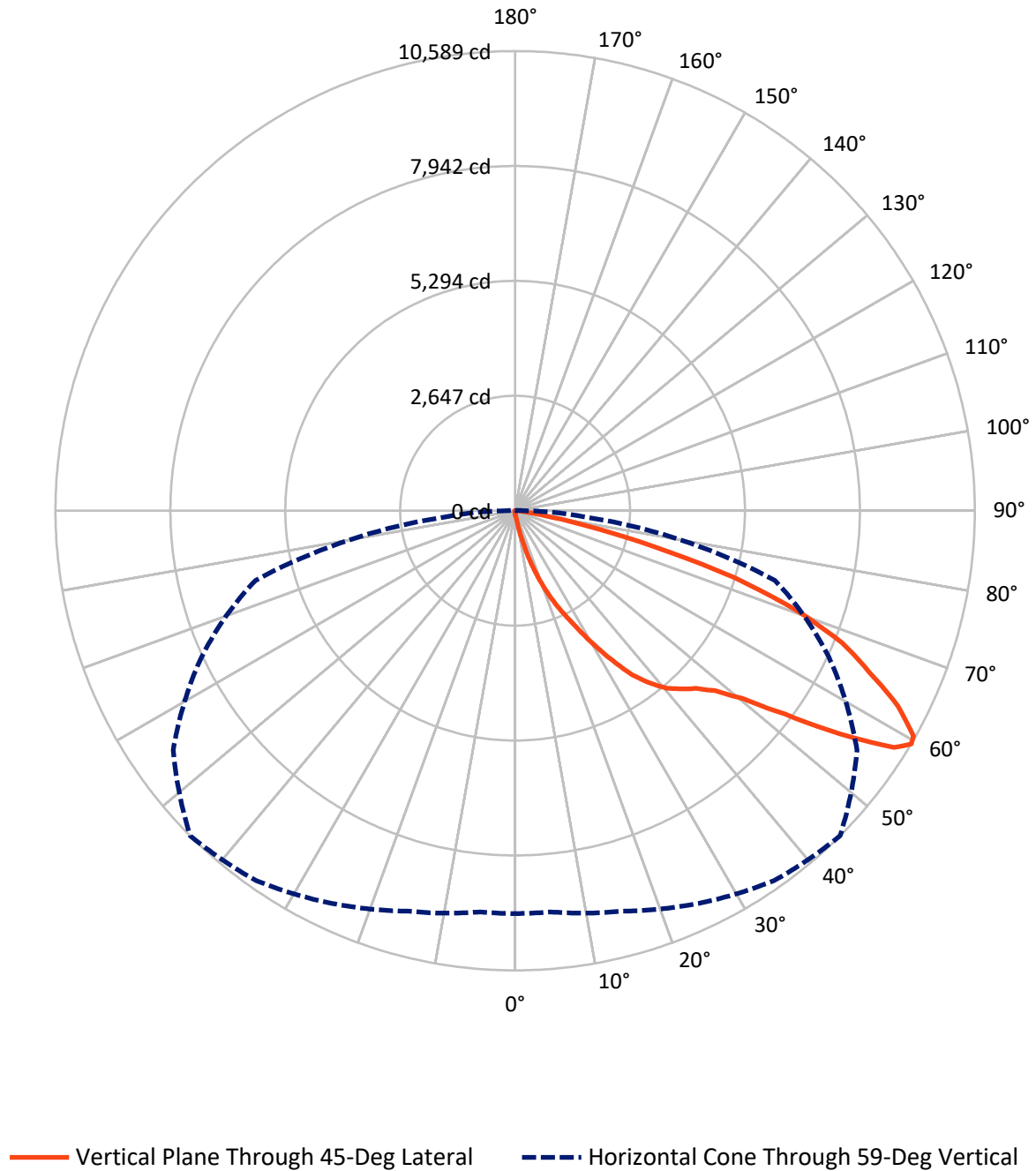


Based on 15 foot mounting height. Maximum calculated value = 14.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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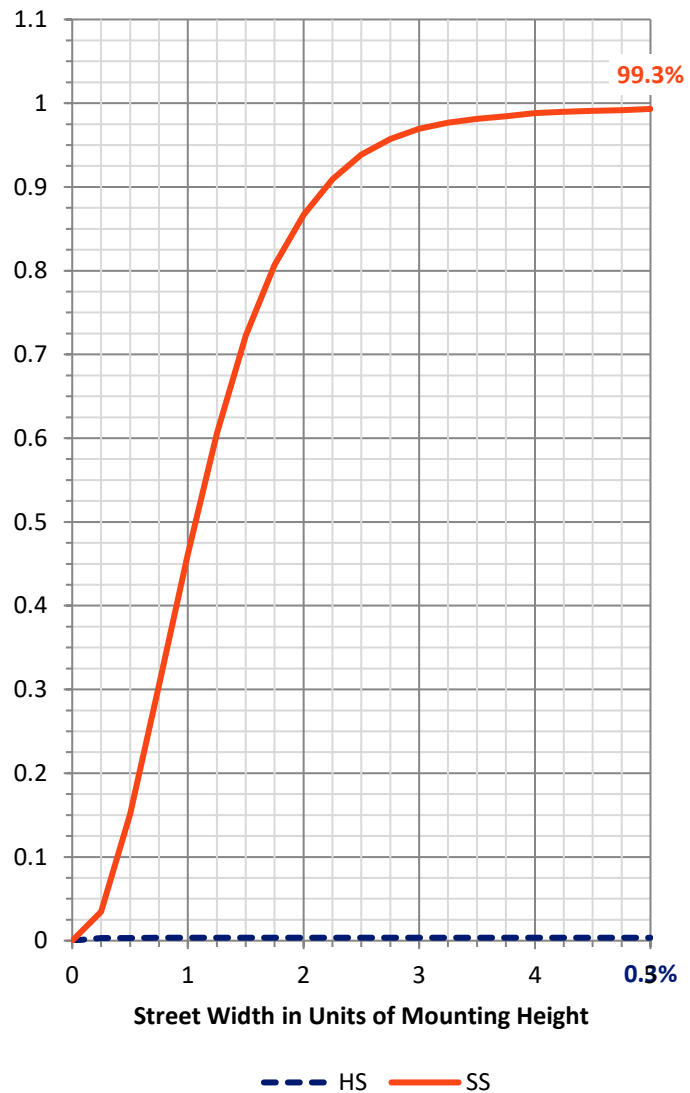
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	46.2	0.0	46.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12973.8	0.0	12973.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	13020.0	0.0	13020.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.1
10°-20°	143.9	1.1
20°-30°	517.1	4.0
30°-40°	1201.6	9.2
40°-50°	2048.0	15.7
50°-60°	3374.5	25.9
60°-70°	3901.7	30.0
70°-80°	1676.3	12.9
80°-90°	144.9	1.1
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°	13020.0	100.0
0°-180°	13020.0	100.0



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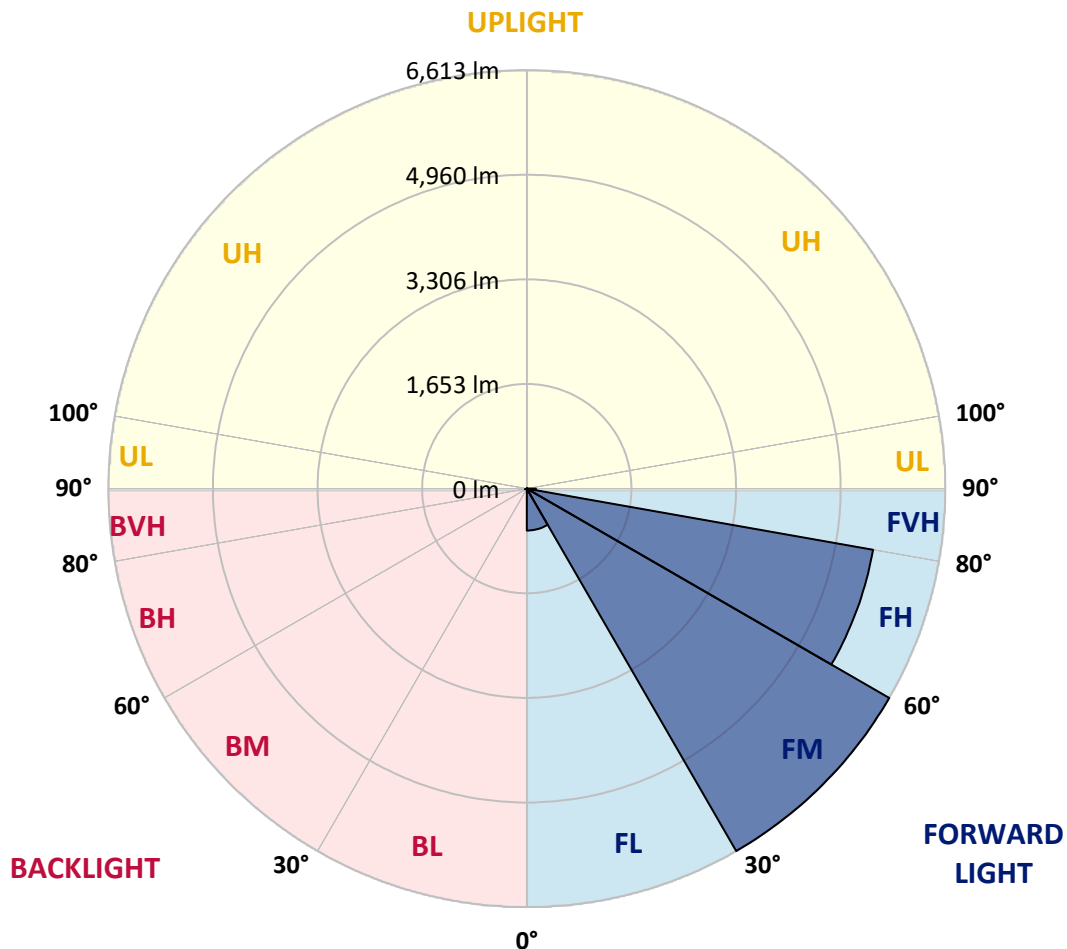
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	661.7	5.1			
FM	(30°-60°)	6612.9	50.8			
FH	(60°-80°)	5556.2	42.7			G3/7500
FVH	(80°-90°)	143.0	1.1			G2/225
BL	(0°-30°)	11.4	0.1	B0/110		
BM	(30°-60°)	11.2	0.1	B0/220		
BH	(60°-80°)	21.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2.5°	106.8	106.8	104.2	100.7	99.8	97.2	97.2	94.6	91.0	88.4	84.9
5°	155.0	154.1	147.1	138.3	126.9	119.9	119.9	110.3	101.6	93.7	86.7
7.5°	338.8	330.9	305.5	263.5	208.4	171.6	169.0	137.4	116.4	100.7	87.5
10°	777.4	750.3	714.4	613.7	453.5	316.9	310.8	200.5	139.2	108.6	89.3
12.5°	1273.8	1295.7	1223.9	1065.4	878.1	653.1	609.3	337.9	183.8	119.1	91.0
15°	1725.6	1720.3	1680.0	1550.5	1334.2	1034.8	1007.7	587.4	263.5	135.7	92.8
17.5°	2063.5	2057.4	2018.8	1935.7	1769.3	1469.9	1446.3	936.8	413.2	159.3	94.6
20°	2419.8	2411.9	2357.6	2291.1	2145.8	1891.0	1863.0	1327.2	647.0	197.9	94.6
22.5°	2847.0	2832.1	2774.4	2661.4	2508.2	2286.7	2261.3	1726.4	936.8	260.9	98.9
25°	3363.6	3338.2	3258.5	3156.9	2972.2	2678.1	2650.9	2171.2	1286.1	356.3	103.3
27.5°	3952.8	3957.1	3849.4	3677.9	3430.1	3129.8	3079.0	2569.5	1647.6	492.9	108.6
30°	4652.3	4608.5	4457.0	4257.4	4016.7	3634.1	3585.1	2966.1	2053.9	694.2	117.3
32.5°	5307.1	5259.8	5055.8	4804.6	4546.3	4142.7	4102.5	3411.7	2423.3	932.4	133.1
35°	5869.2	5835.9	5550.5	5244.1	5014.7	4654.0	4641.7	3909.0	2857.5	1188.9	150.6
37.5°	6363.8	6303.4	5936.6	5618.8	5385.9	5062.8	5036.6	4364.2	3276.0	1486.5	176.8
40°	6785.8	6752.5	6305.1	5887.5	5698.4	5409.5	5376.3	4763.4	3708.5	1832.4	209.2
42.5°	7237.5	7193.7	6759.5	6291.1	5942.7	5633.7	5611.8	5092.6	4093.7	2212.3	257.4
45°	7747.9	7666.5	7285.7	6865.4	6335.8	5865.7	5841.1	5385.9	4488.5	2620.3	316.0
47.5°	8293.3	8222.4	7914.3	7619.2	7009.9	6248.2	6195.7	5635.4	4880.7	3091.3	390.5
50°	8848.4	8850.1	8619.0	8477.2	7833.7	6869.8	6795.4	6002.2	5293.1	3595.6	500.8
52.5°	9494.5	9511.1	9507.6	9402.6	8903.5	7886.2	7786.4	6559.0	5772.0	4183.9	653.1
55°	9765.0	9794.8	9988.2	10221.1	10085.4	9174.9	9068.1	7519.4	6406.7	4839.6	879.0
57.5°	9543.5	9576.8	9843.8	10251.8	10563.4	10303.4	10291.2	8769.6	7242.8	5634.5	1248.4
59°	9280.0	9275.6	9549.6	9982.1	10402.3	10571.3	10588.8	9615.3	7971.2	6192.2	1567.1
60°	9104.9	9108.4	9290.5	9734.4	10180.8	10474.1	10542.4	10113.4	8396.6	6593.2	1840.2
62.5°	8429.0	8469.3	8613.8	9026.1	9449.8	9777.3	9893.7	10557.3	9614.4	7540.4	2790.1
65°	7694.5	7697.1	7902.9	8255.7	8661.9	8892.2	8965.7	9866.6	10427.7	8505.2	4035.9
67.5°	6383.9	6437.3	6671.1	7242.8	7779.4	8071.0	8127.0	8588.4	10090.7	9133.8	4660.1
70°	4467.5	4537.6	4871.1	5612.6	6411.9	6890.8	6887.3	7139.5	8880.8	8853.6	3951.0
72.5°	2230.7	2351.5	2623.8	3417.8	4386.1	5138.1	5296.6	5743.1	7134.2	7354.0	2947.7
75°	985.8	992.8	1147.7	1547.8	2179.9	3135.1	3276.9	4558.6	5473.4	5111.0	2129.1
77.5°	573.4	578.7	606.7	695.1	883.3	1536.5	1695.8	2989.7	3867.8	2970.5	1388.5
80°	208.4	213.6	212.7	263.5	387.0	605.0	674.1	1448.9	2580.0	1564.5	727.5
82.5°	127.8	127.8	123.4	124.3	141.0	232.0	253.9	617.2	1256.3	770.4	208.4
85°	63.0	66.5	70.9	79.7	94.6	114.7	121.7	176.8	422.9	186.5	49.9
87.5°	37.6	38.5	42.0	50.8	63.0	82.3	87.5	119.9	151.5	125.2	12.3
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-SA3B-735-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2.5°	83.2	82.3	77.9	74.4	70.9	67.4	64.8	62.2	62.2	63.0	62.2
5°	83.2	79.7	72.7	66.5	61.3	56.9	52.5	49.0	48.2	48.2	49.0
7.5°	82.3	77.9	68.3	60.4	53.4	47.3	42.9	38.5	37.6	38.5	37.6
10°	81.4	76.2	64.8	55.2	45.5	39.4	33.3	28.9	28.9	28.9	29.8
12.5°	81.4	73.5	61.3	49.9	39.4	32.4	26.3	21.9	21.0	21.0	21.0
15°	80.5	71.8	57.8	43.8	33.3	24.5	19.3	14.9	14.9	14.9	14.9
17.5°	78.8	69.2	53.4	38.5	26.3	18.4	13.1	8.8	8.8	10.5	10.5
20°	77.0	66.5	48.2	31.5	21.9	14.0	8.8	5.3	5.3	7.9	8.8
22.5°	77.9	66.5	44.6	28.0	17.5	10.5	7.0	4.4	3.5	6.1	7.9
25°	78.8	64.8	40.3	24.5	13.1	7.9	5.3	1.8	0.9	1.8	2.6
27.5°	78.8	63.0	35.0	19.3	9.6	6.1	2.6	0.0	0.0	0.0	0.0
30°	77.9	60.4	30.6	15.8	7.0	3.5	0.9	0.0	0.0	0.0	0.0
32.5°	77.0	57.8	28.0	12.3	6.1	1.8	0.0	0.0	0.0	0.0	0.0
35°	77.9	54.3	24.5	9.6	3.5	0.0	0.0	0.0	0.0	0.0	1.8
37.5°	80.5	50.8	21.0	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	84.0	48.2	17.5	6.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	91.0	48.2	15.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	99.8	48.2	13.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	111.2	49.0	11.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	125.2	50.8	10.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	135.7	49.0	9.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	154.1	47.3	8.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	178.6	44.6	8.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	203.1	41.1	8.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	231.1	39.4	7.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	381.7	35.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	737.1	33.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1191.5	33.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1252.8	33.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	833.4	27.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	446.5	24.5	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	240.8	22.8	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	105.9	16.6	4.4	2.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	42.0	11.4	5.3	4.4	3.5	1.8	0.0	0.0	0.0	0.0	0.0
85°	20.1	8.8	7.0	6.1	4.4	2.6	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	8.8	7.9	7.0	6.1	4.4	0.9	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

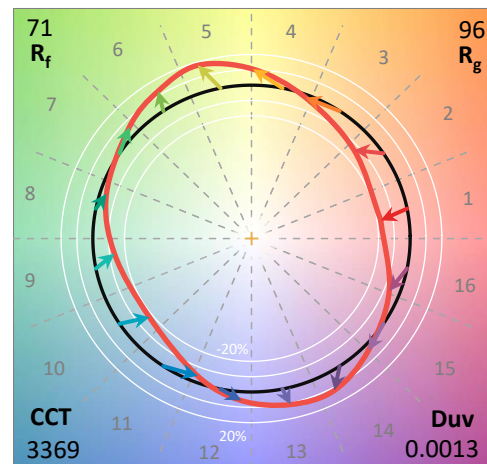
Test Information

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

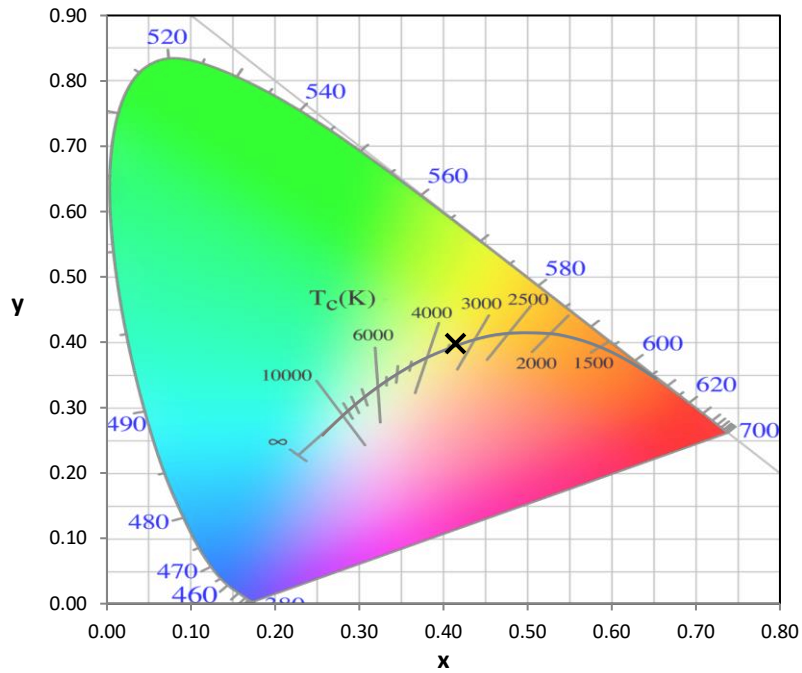
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

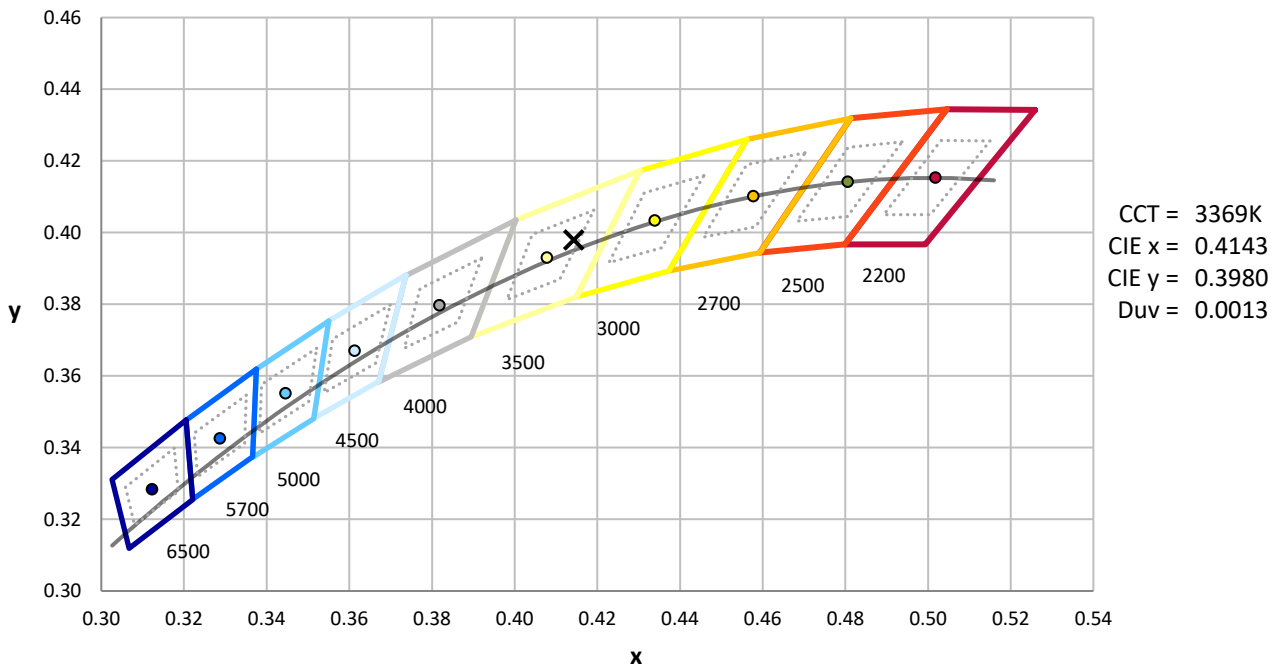
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



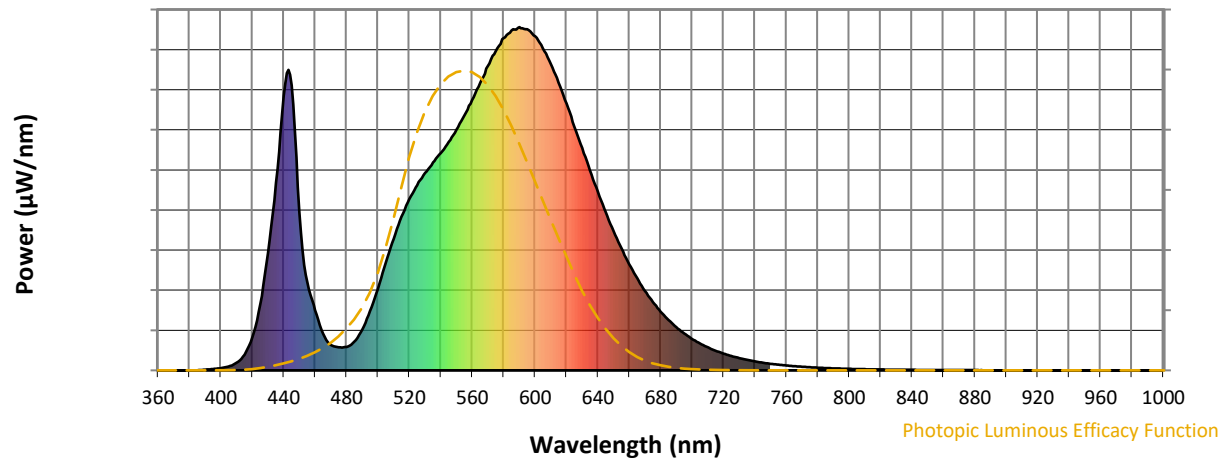
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

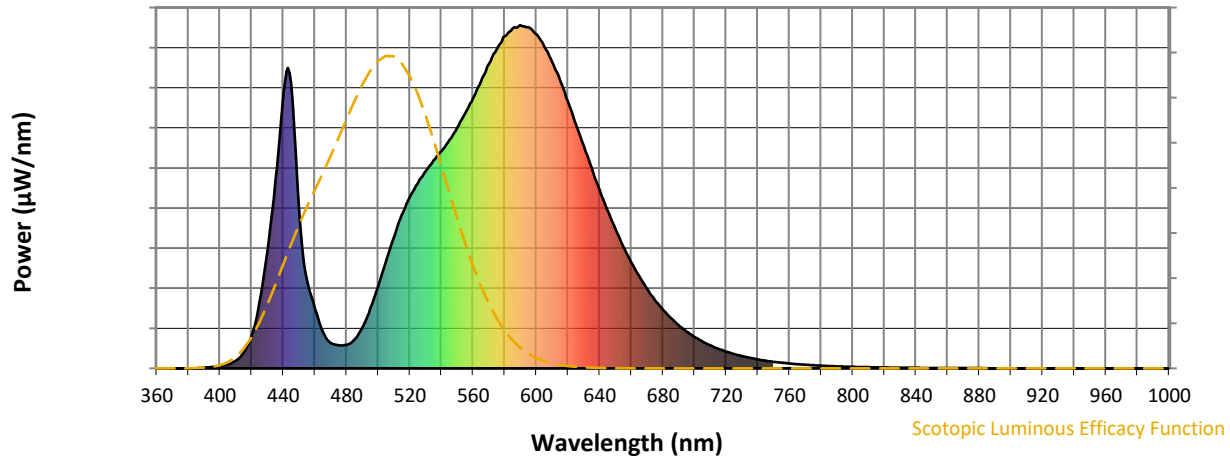


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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



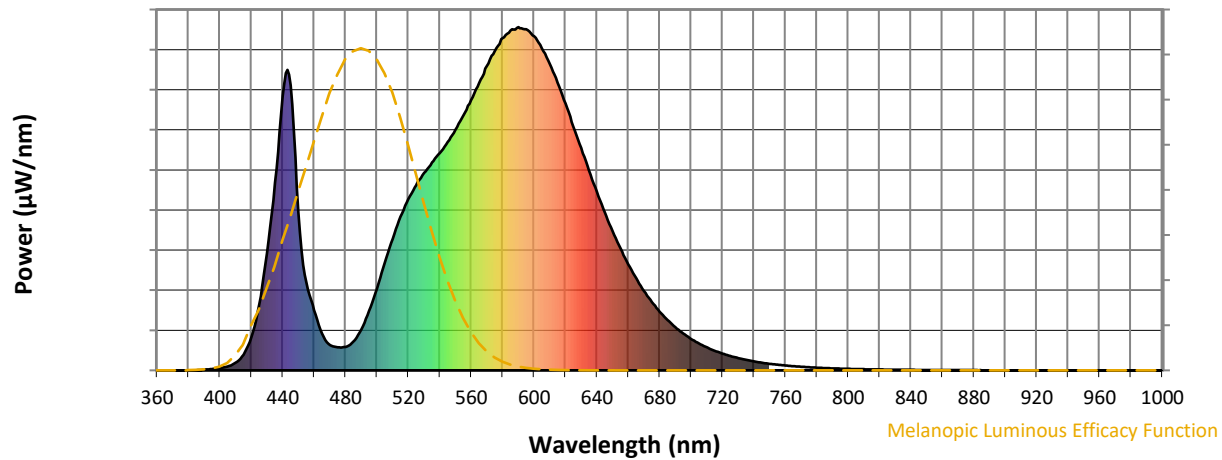
Scotopic Lumens: NR

S/P: 1.29

λ (nm)	Power W ^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

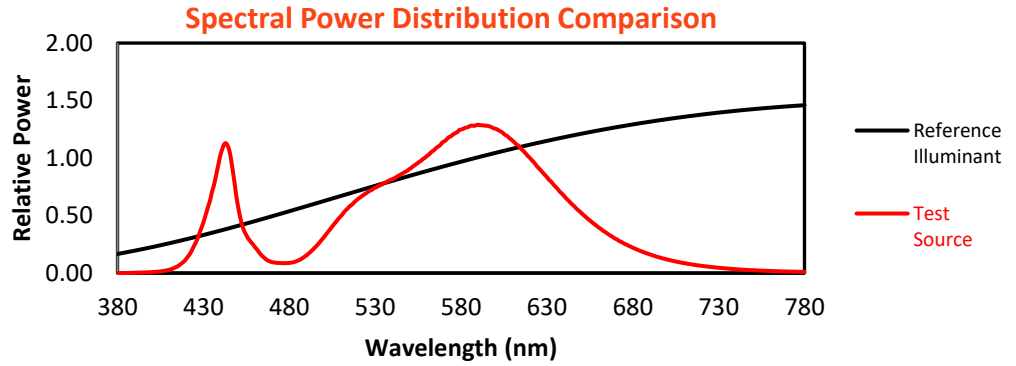
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630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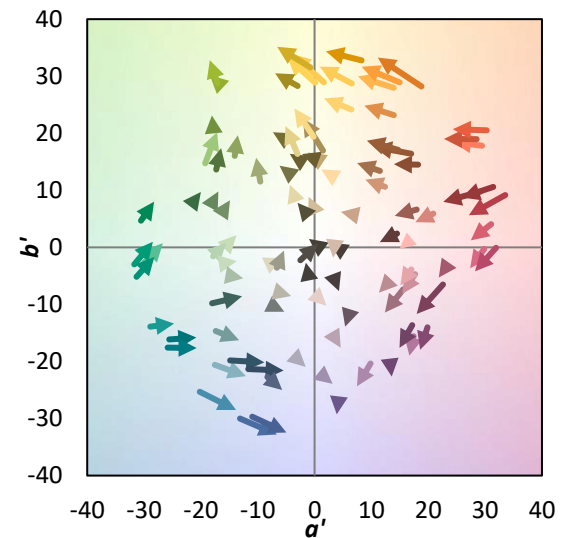
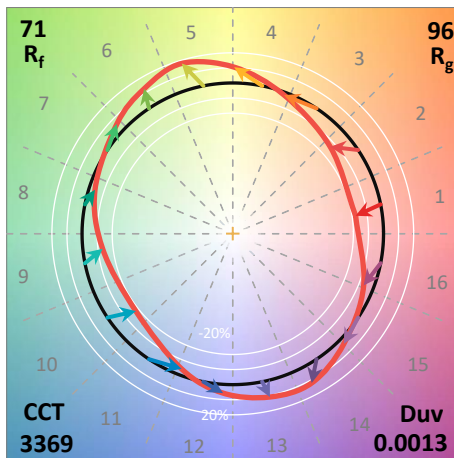
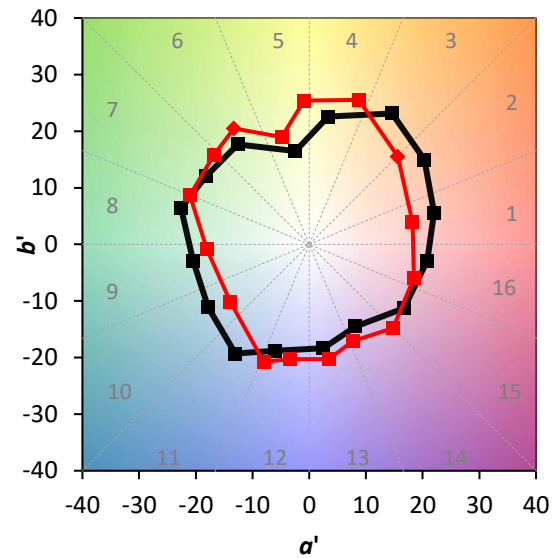
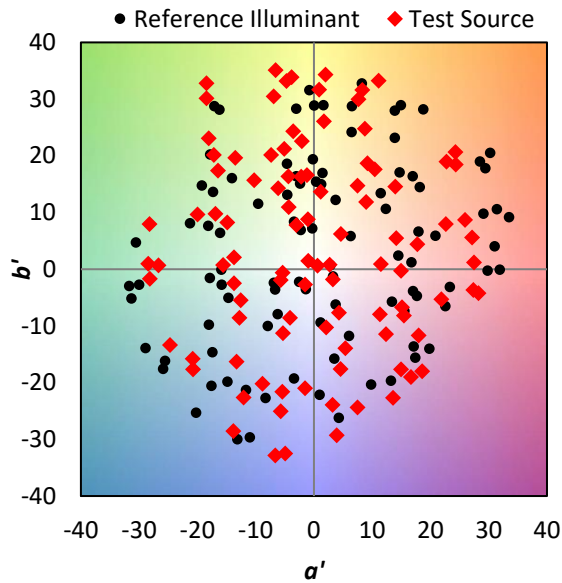
TM-30-18

Summary

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

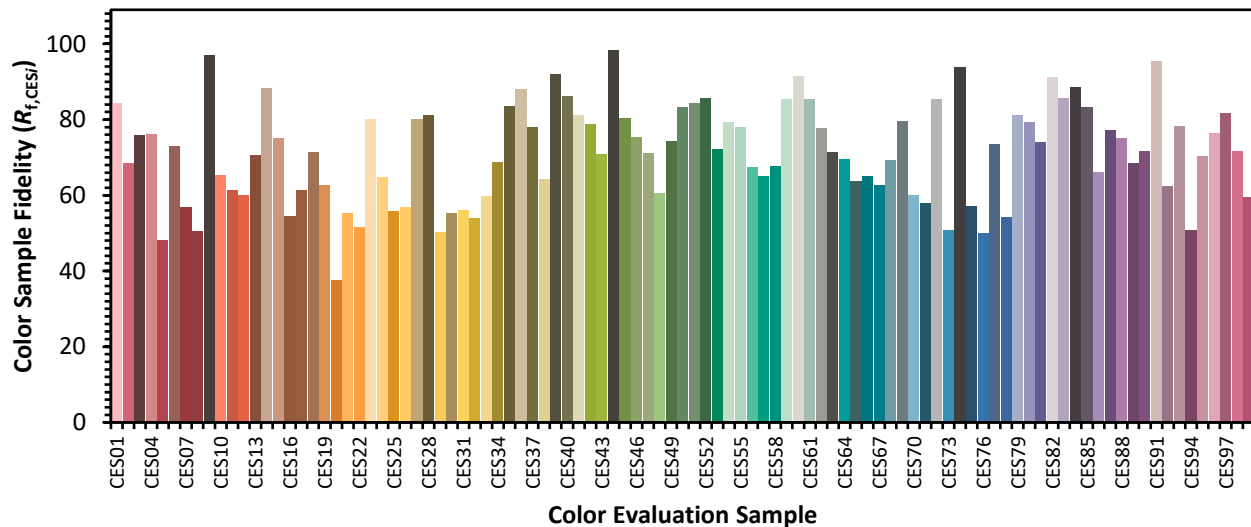


Color Vector Graphics

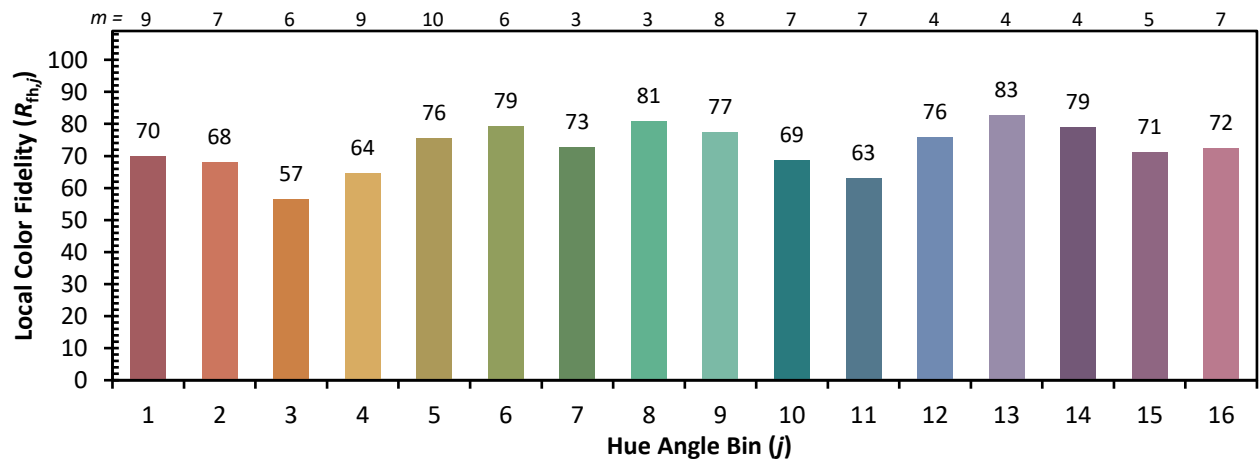
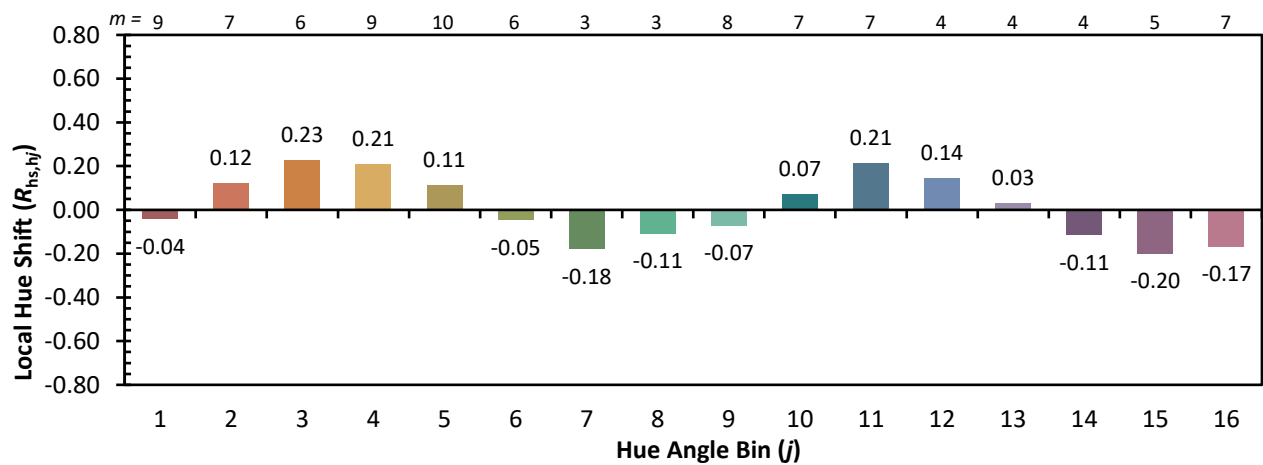
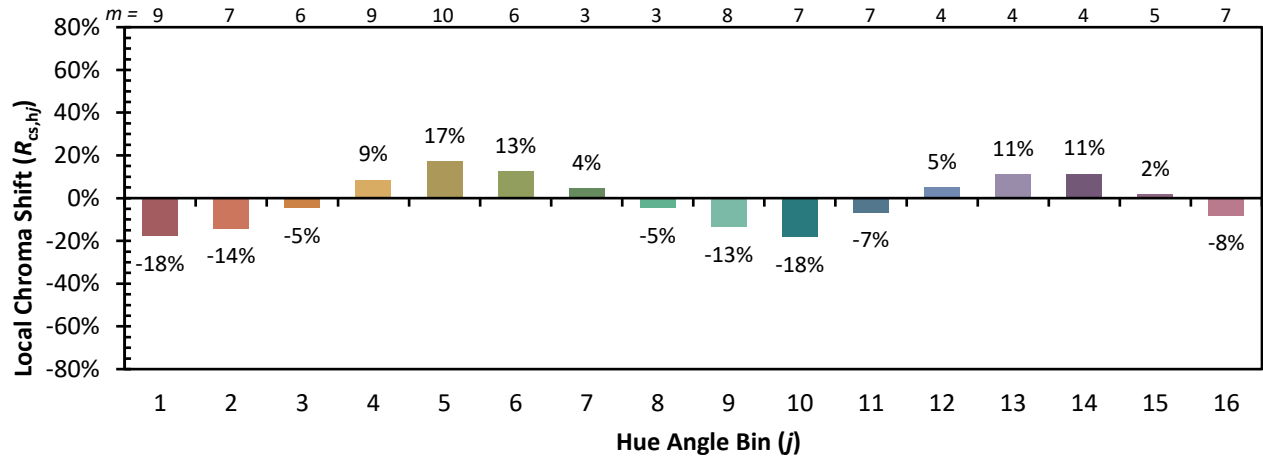


Individual Sample Fidelity Index ($R_{f,i}$)

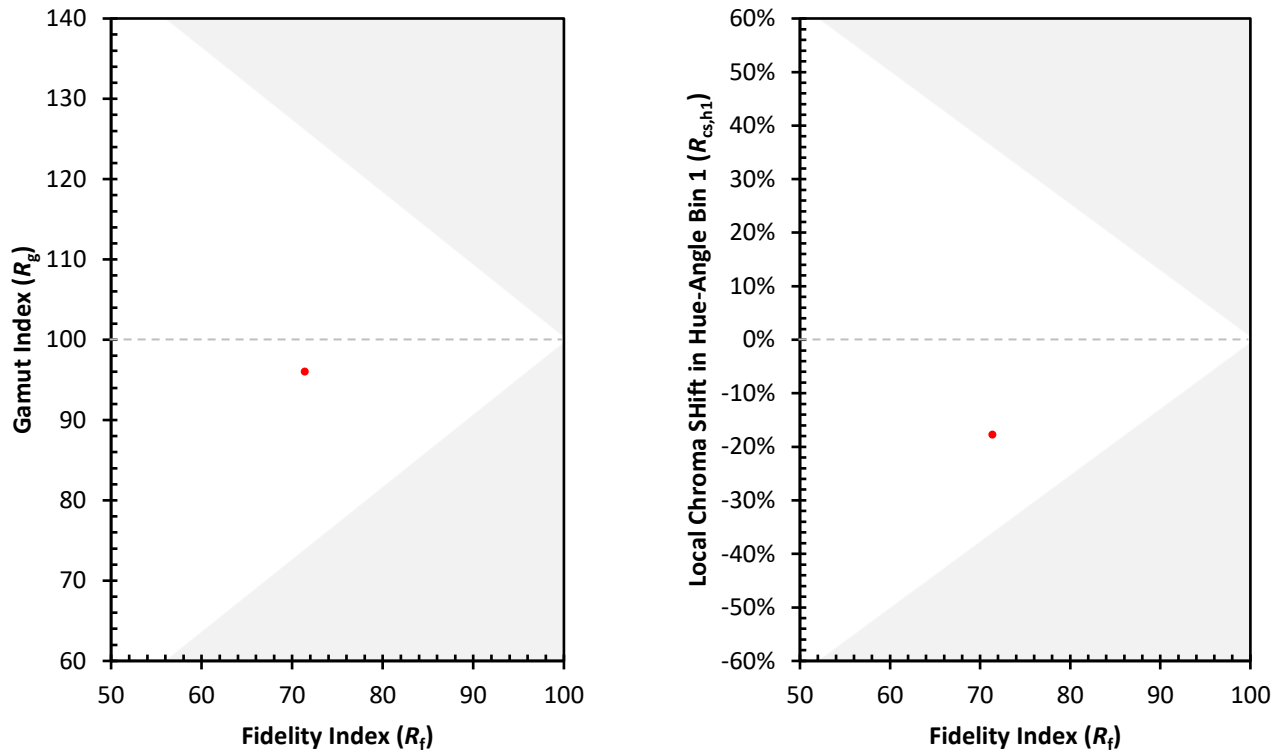
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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