

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: P1065781

Luminaire Tested: **NVN-SA1A-730-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065781
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA1A-730-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3511 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.2
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

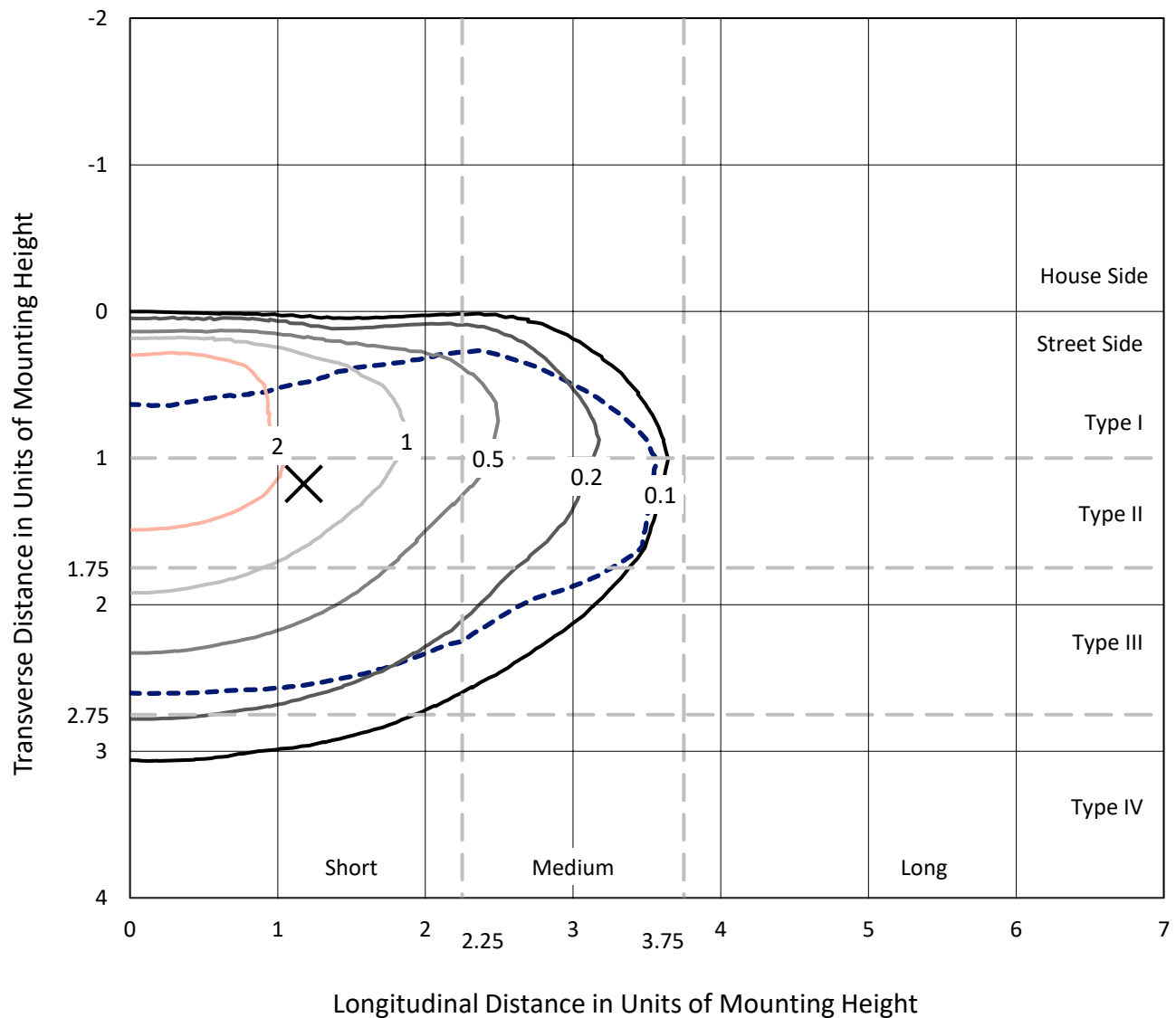


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

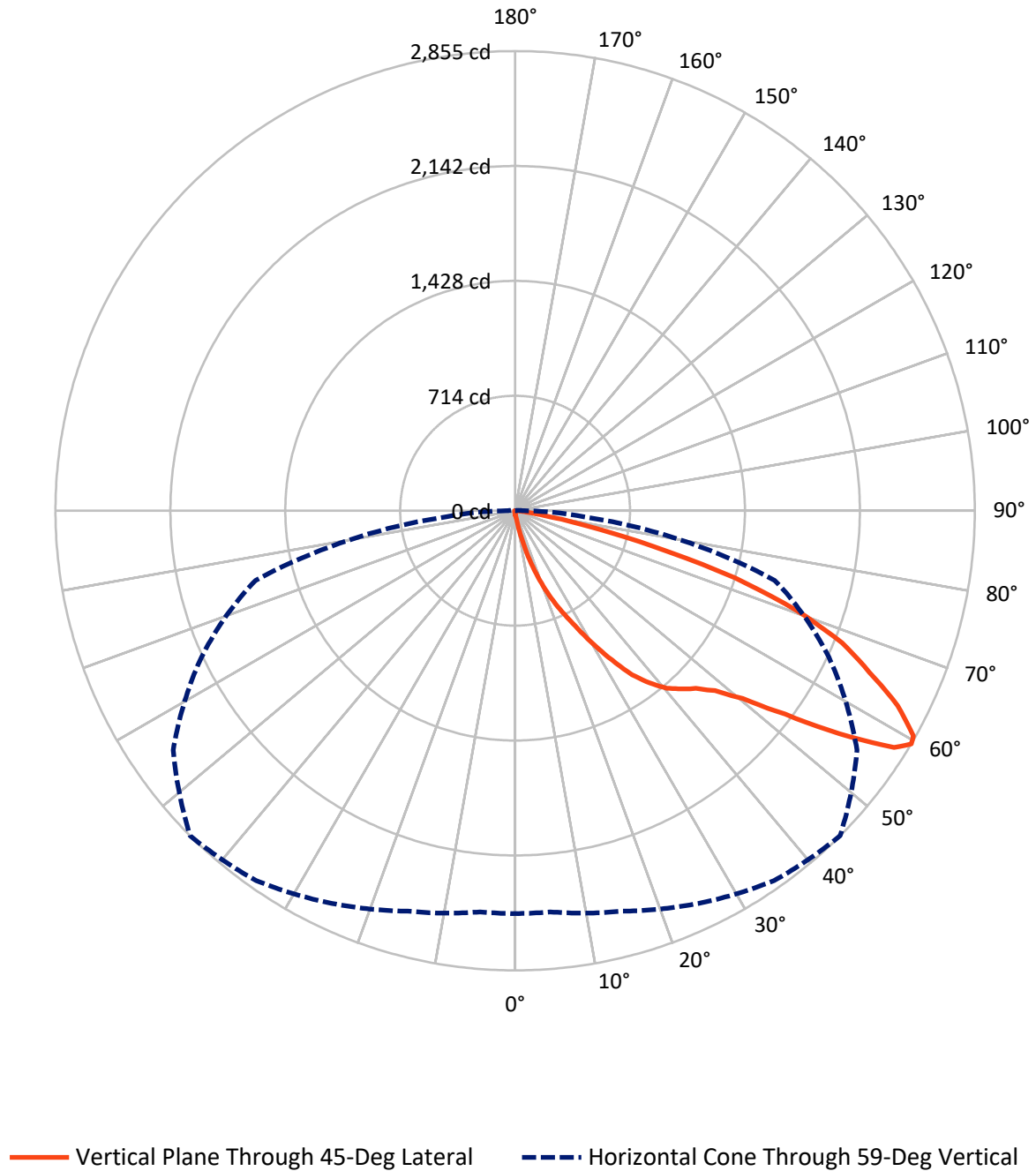


Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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CATALOG NUMBER: NVN-SA1A-730-U-T3BC

Luminous Intensity Polar Plot



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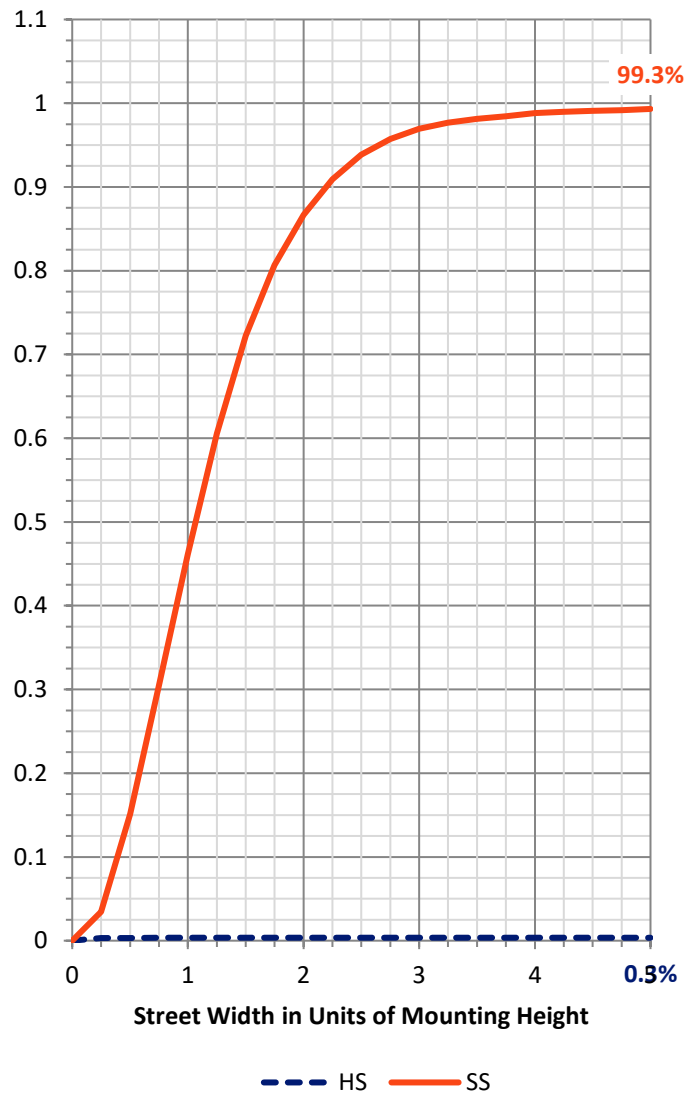
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.5	0.0	12.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3498.5	0.0	3498.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	3511.0	0.0	3511.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	38.8	1.1
20°-30°	139.4	4.0
30°-40°	324.0	9.2
40°-50°	552.3	15.7
50°-60°	910.0	25.9
60°-70°	1052.1	30.0
70°-80°	452.0	12.9
80°-90°	39.1	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°	3511.0	100.0
0°-180°	3511.0	100.0



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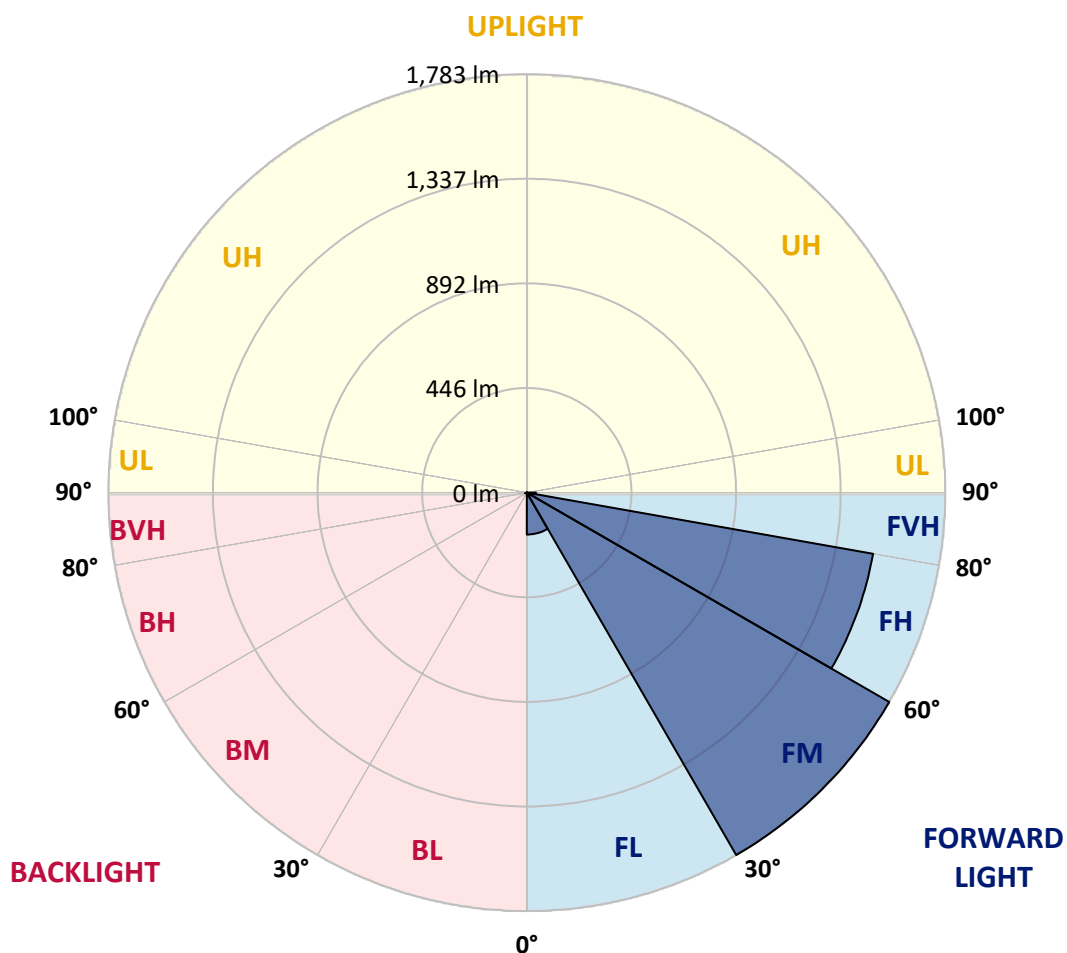
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.4	5.1			
FM	(30°-60°)	1783.2	50.8			
FH	(60°-80°)	1498.3	42.7			G1/1800
FVH	(80°-90°)	38.6	1.1			G1/100
BL	(0°-30°)	3.1	0.1	B0/110		
BM	(30°-60°)	3.0	0.1	B0/220		
BH	(60°-80°)	5.9	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
2.5°	28.8	28.8	28.1	27.1	26.9	26.2	26.2	25.5	24.6	23.8	22.9
5°	41.8	41.6	39.7	37.3	34.2	32.3	32.3	29.7	27.4	25.3	23.4
7.5°	91.4	89.2	82.4	71.1	56.2	46.3	45.6	37.1	31.4	27.1	23.6
10°	209.6	202.3	192.6	165.5	122.3	85.5	83.8	54.1	37.5	29.3	24.1
12.5°	343.5	349.4	330.0	287.3	236.8	176.1	164.3	91.1	49.6	32.1	24.6
15°	465.3	463.9	453.0	418.1	359.8	279.0	271.7	158.4	71.1	36.6	25.0
17.5°	556.4	554.8	544.4	522.0	477.1	396.4	390.0	252.6	111.4	43.0	25.5
20°	652.5	650.4	635.8	617.8	578.6	509.9	502.4	357.9	174.5	53.4	25.5
22.5°	767.7	763.7	748.1	717.7	676.4	616.6	609.8	465.6	252.6	70.4	26.7
25°	907.0	900.2	878.7	851.3	801.5	722.2	714.9	585.5	346.8	96.1	27.9
27.5°	1065.9	1067.1	1038.0	991.8	925.0	844.0	830.3	692.9	444.3	132.9	29.3
30°	1254.5	1242.7	1201.9	1148.1	1083.1	980.0	966.8	799.8	553.8	187.2	31.6
32.5°	1431.1	1418.4	1363.4	1295.6	1226.0	1117.1	1106.3	920.0	653.5	251.4	35.9
35°	1582.7	1573.7	1496.8	1414.1	1352.3	1255.0	1251.7	1054.1	770.6	320.6	40.6
37.5°	1716.1	1699.8	1600.9	1515.2	1452.4	1365.3	1358.2	1176.9	883.4	400.9	47.7
40°	1829.9	1820.9	1700.3	1587.6	1536.7	1458.7	1449.8	1284.5	1000.0	494.1	56.4
42.5°	1951.7	1939.9	1822.8	1696.5	1602.5	1519.2	1513.3	1373.3	1103.9	596.6	69.4
45°	2089.3	2067.4	1964.7	1851.3	1708.5	1581.7	1575.1	1452.4	1210.4	706.6	85.2
47.5°	2236.4	2217.3	2134.2	2054.6	1890.3	1684.9	1670.7	1519.7	1316.2	833.6	105.3
50°	2386.1	2386.5	2324.2	2286.0	2112.5	1852.5	1832.5	1618.6	1427.3	969.6	135.0
52.5°	2560.3	2564.8	2563.8	2535.5	2400.9	2126.6	2099.7	1768.7	1556.5	1128.2	176.1
55°	2633.2	2641.3	2693.4	2756.2	2719.7	2474.1	2445.3	2027.7	1727.6	1305.1	237.0
57.5°	2573.5	2582.5	2654.5	2764.5	2848.6	2778.4	2775.1	2364.8	1953.1	1519.4	336.7
59°	2502.5	2501.3	2575.2	2691.8	2805.1	2850.7	2855.4	2592.9	2149.5	1669.8	422.6
60°	2455.2	2456.2	2505.3	2625.0	2745.4	2824.5	2842.9	2727.2	2264.3	1777.9	496.2
62.5°	2273.0	2283.8	2322.8	2434.0	2548.3	2636.6	2667.9	2846.9	2592.6	2033.4	752.4
65°	2074.9	2075.6	2131.1	2226.2	2335.8	2397.9	2417.7	2660.6	2812.0	2293.5	1088.3
67.5°	1721.5	1735.9	1798.9	1953.1	2097.8	2176.4	2191.5	2316.0	2721.1	2463.0	1256.7
70°	1204.7	1223.6	1313.6	1513.5	1729.1	1858.2	1857.2	1925.2	2394.8	2387.5	1065.4
72.5°	601.5	634.1	707.5	921.7	1182.8	1385.6	1428.3	1548.7	1923.8	1983.1	794.9
75°	265.8	267.7	309.5	417.4	587.8	845.4	883.7	1229.3	1476.0	1378.2	574.1
77.5°	154.6	156.0	163.6	187.4	238.2	414.3	457.3	806.2	1043.0	801.0	374.4
80°	56.2	57.6	57.4	71.1	104.3	163.1	181.8	390.7	695.7	421.9	196.2
82.5°	34.5	34.5	33.3	33.5	38.0	62.6	68.5	166.4	338.8	207.8	56.2
85°	17.0	17.9	19.1	21.5	25.5	30.9	32.8	47.7	114.0	50.3	13.5
87.5°	10.2	10.4	11.3	13.7	17.0	22.2	23.6	32.3	40.8	33.8	3.3
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-SA1A-730-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
2.5°	22.4	22.2	21.0	20.1	19.1	18.2	17.5	16.8	16.8	17.0	16.8
5°	22.4	21.5	19.6	17.9	16.5	15.3	14.2	13.2	13.0	13.0	13.2
7.5°	22.2	21.0	18.4	16.3	14.4	12.7	11.6	10.4	10.2	10.4	10.2
10°	22.0	20.5	17.5	14.9	12.3	10.6	9.0	7.8	7.8	7.8	8.0
12.5°	22.0	19.8	16.5	13.5	10.6	8.7	7.1	5.9	5.7	5.7	5.7
15°	21.7	19.4	15.6	11.8	9.0	6.6	5.2	4.0	4.0	4.0	4.0
17.5°	21.2	18.7	14.4	10.4	7.1	5.0	3.5	2.4	2.4	2.8	2.8
20°	20.8	17.9	13.0	8.5	5.9	3.8	2.4	1.4	1.4	2.1	2.4
22.5°	21.0	17.9	12.0	7.6	4.7	2.8	1.9	1.2	0.9	1.7	2.1
25°	21.2	17.5	10.9	6.6	3.5	2.1	1.4	0.5	0.2	0.5	0.7
27.5°	21.2	17.0	9.4	5.2	2.6	1.7	0.7	0.0	0.0	0.0	0.0
30°	21.0	16.3	8.3	4.2	1.9	0.9	0.2	0.0	0.0	0.0	0.0
32.5°	20.8	15.6	7.6	3.3	1.7	0.5	0.0	0.0	0.0	0.0	0.0
35°	21.0	14.6	6.6	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.5
37.5°	21.7	13.7	5.7	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	22.7	13.0	4.7	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	24.6	13.0	4.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	26.9	13.0	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	30.0	13.2	3.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	33.8	13.7	2.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	36.6	13.2	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	41.6	12.7	2.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	48.2	12.0	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	54.8	11.1	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	62.3	10.6	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	102.9	9.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	198.8	9.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	321.3	9.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	337.8	9.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	224.7	7.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	120.4	6.6	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	64.9	6.1	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.6	4.5	1.2	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.3	3.1	1.4	1.2	0.9	0.5	0.0	0.0	0.0	0.0	0.0
85°	5.4	2.4	1.9	1.7	1.2	0.7	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.4	2.1	1.9	1.7	1.2	0.2	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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

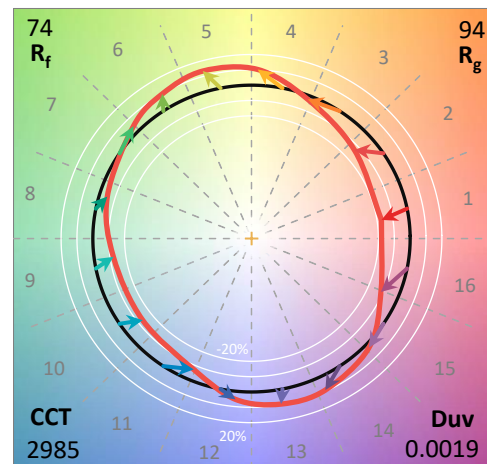
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2985
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



Test Conditions

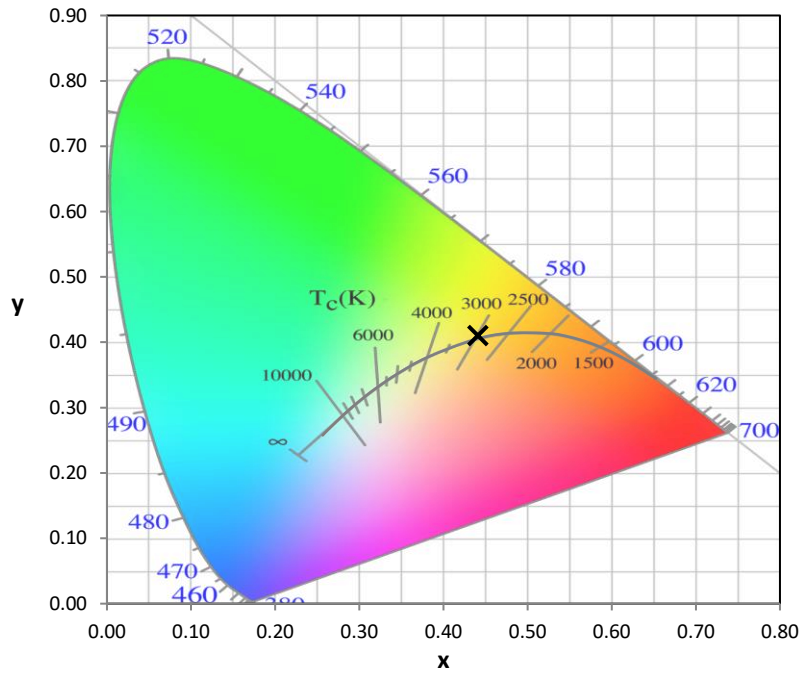
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

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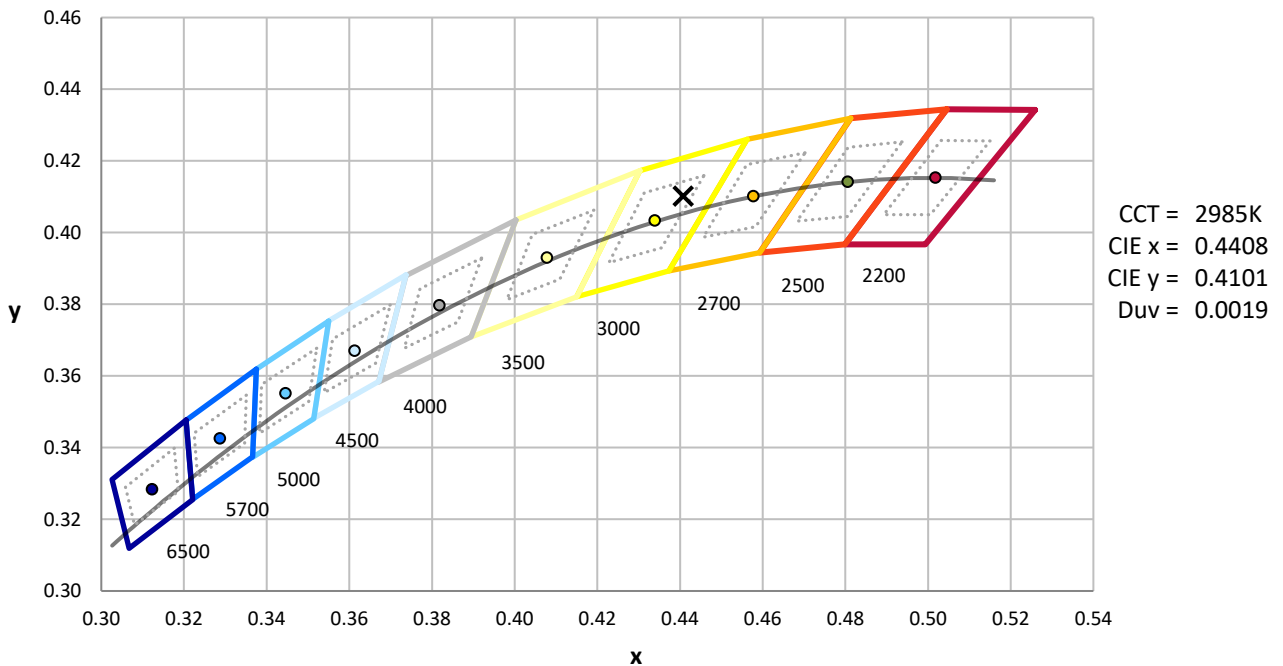
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



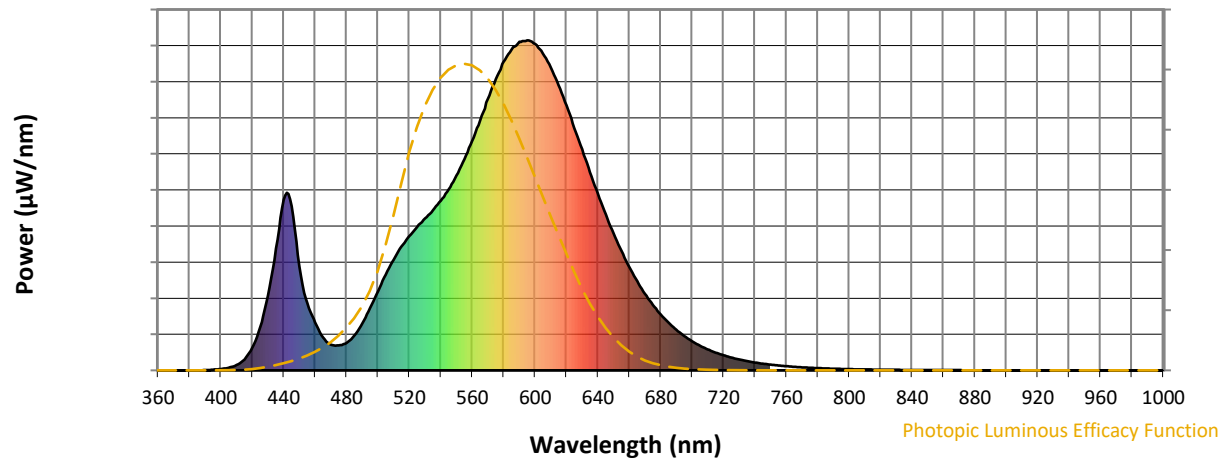
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

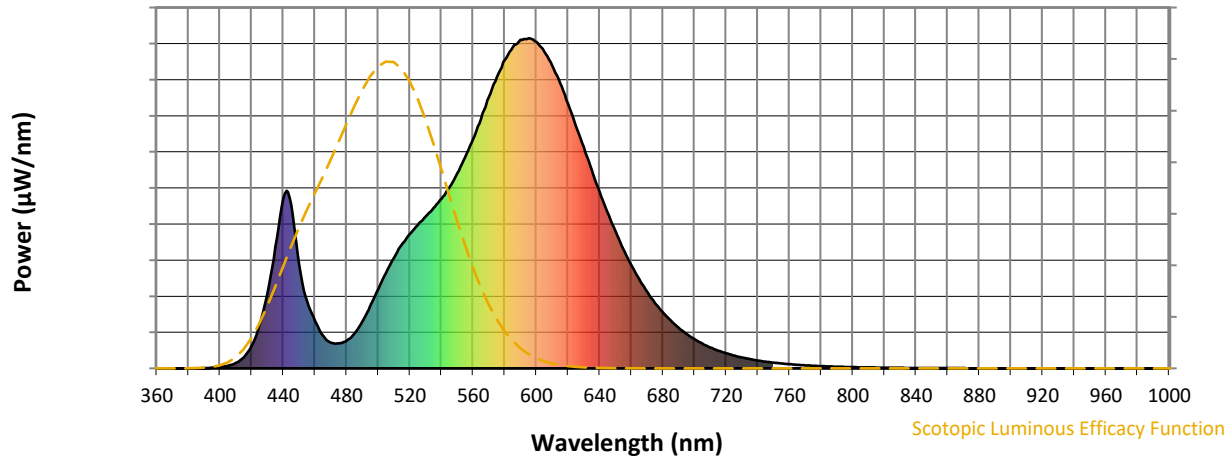


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



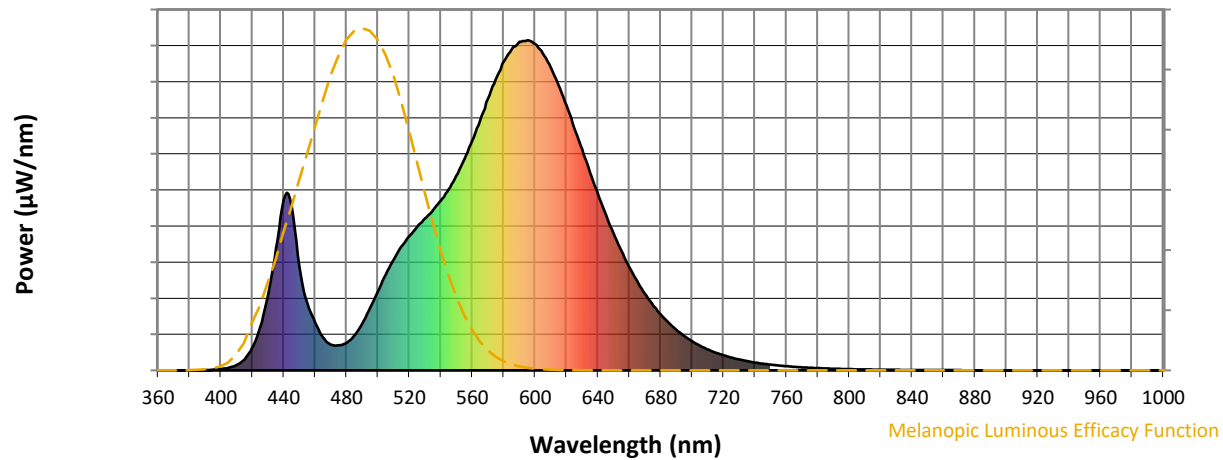
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

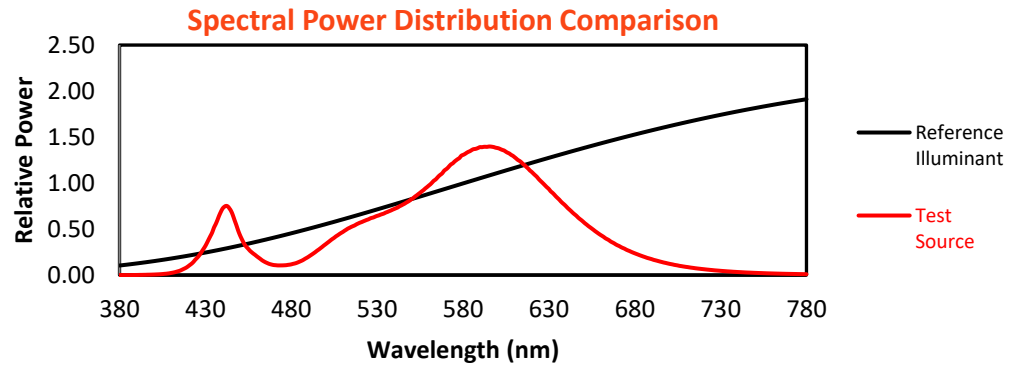
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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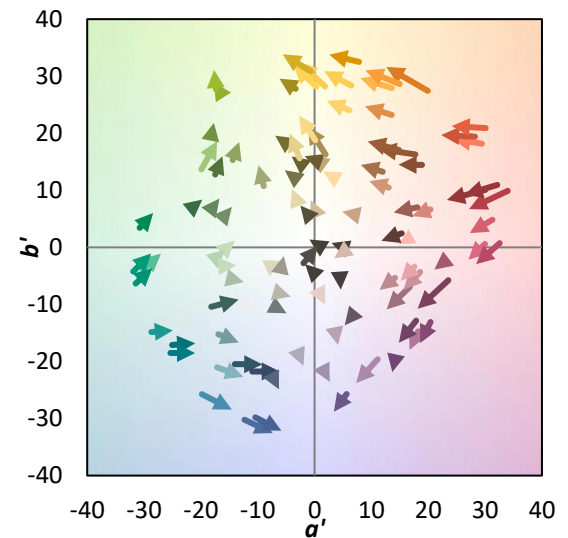
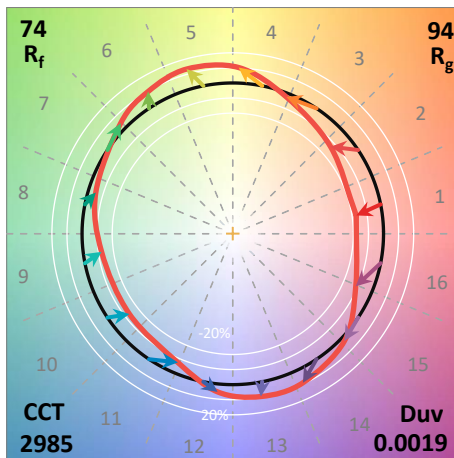
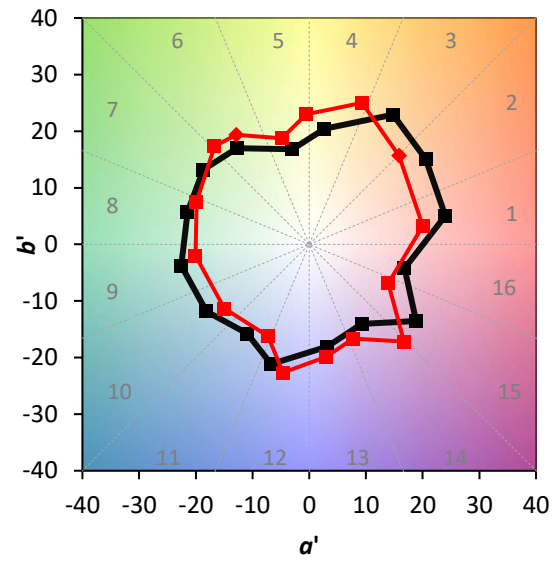
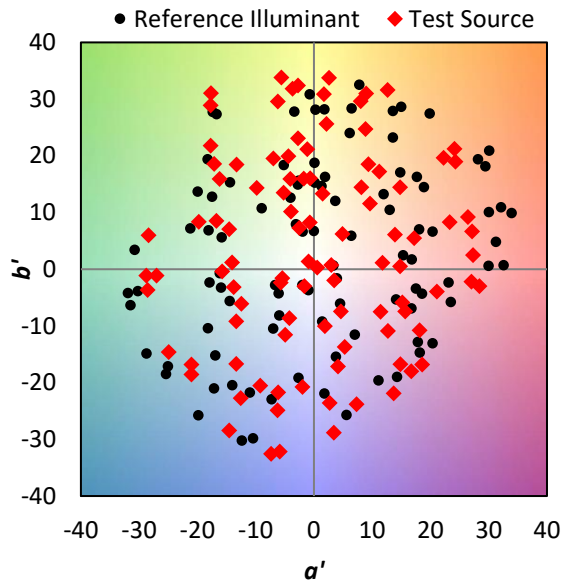
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$

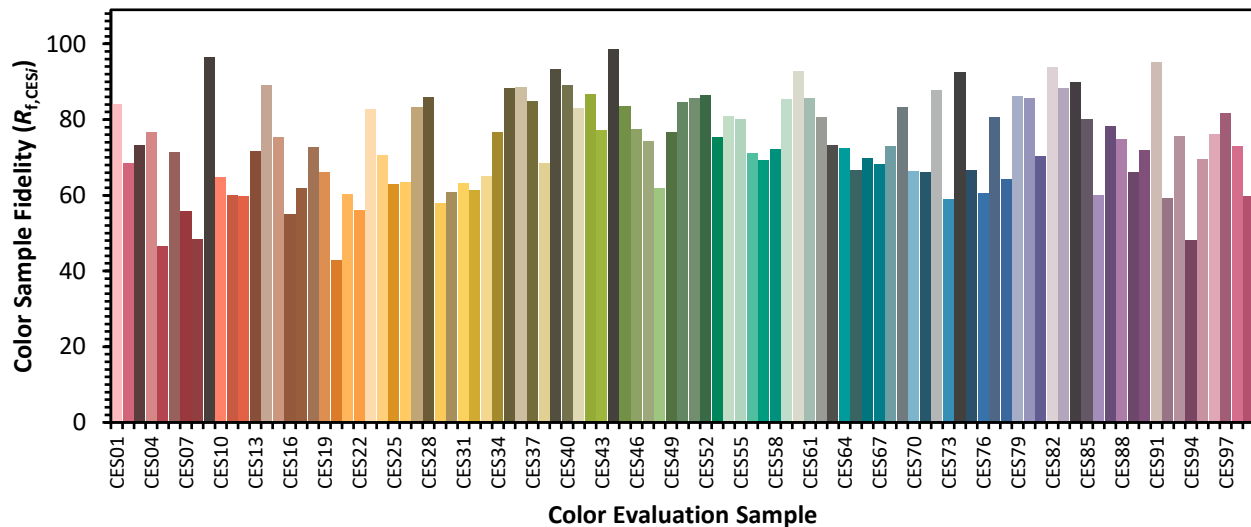


Color Vector Graphics

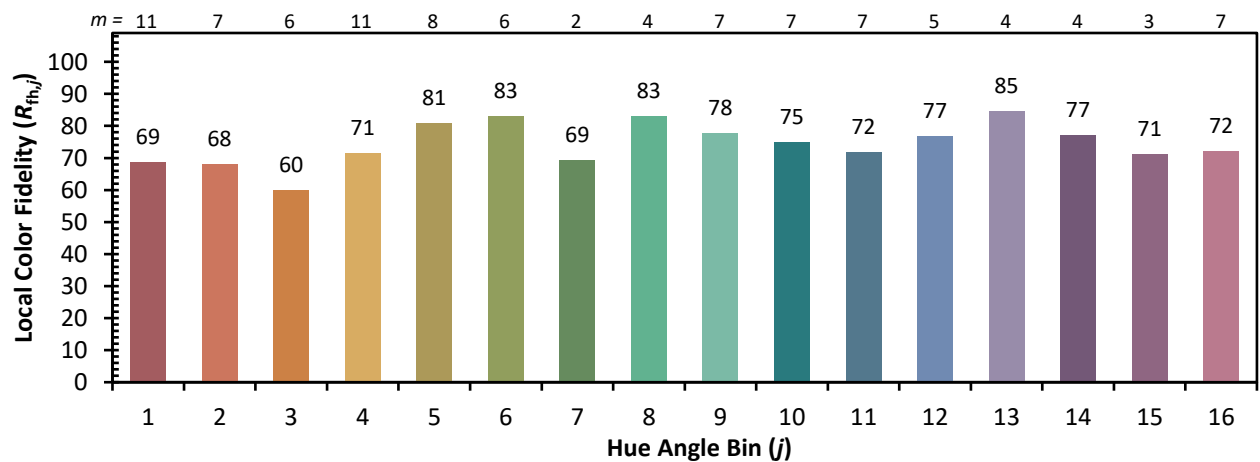
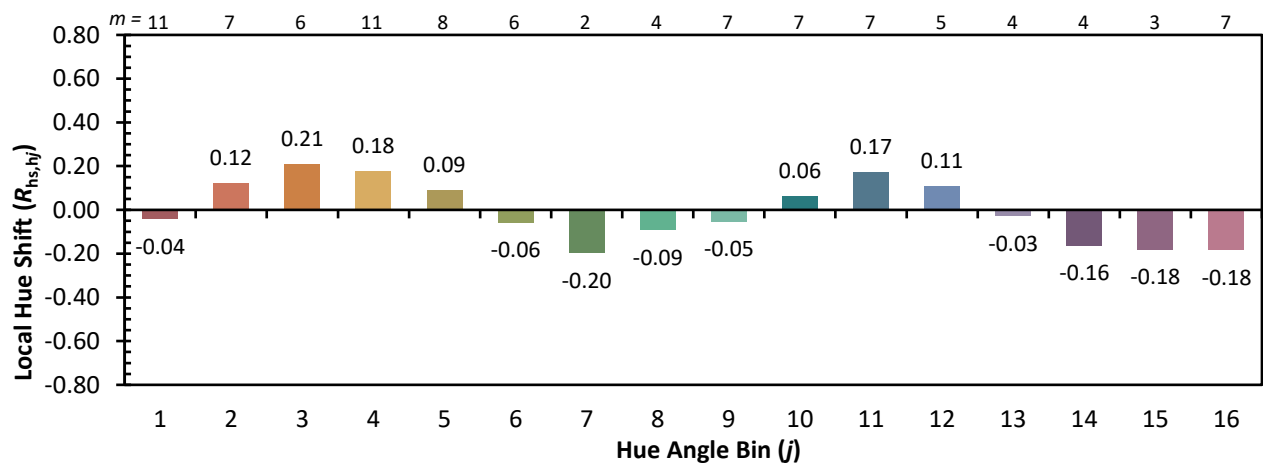
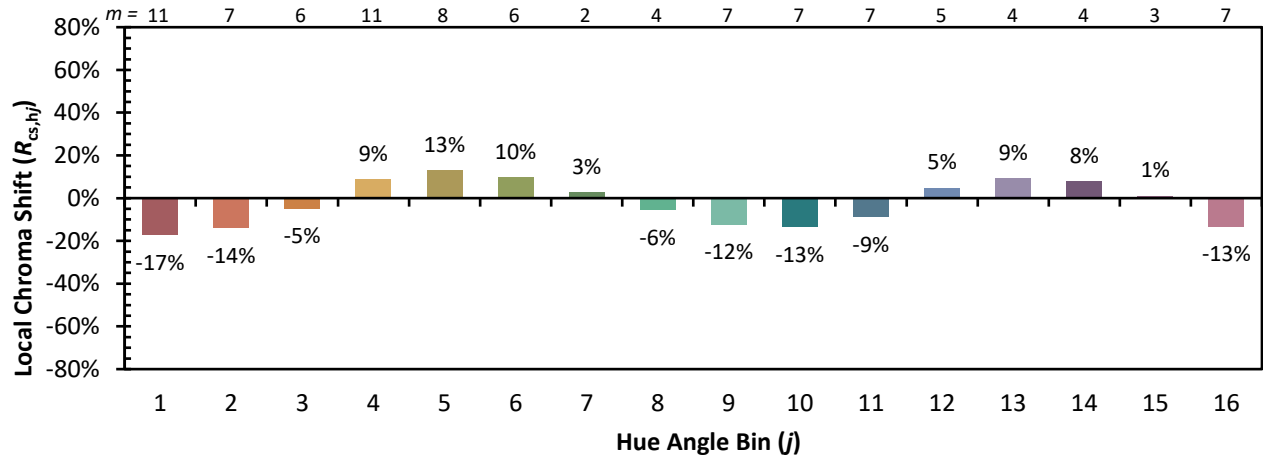


Individual Sample Fidelity Index ($R_{f,i}$)

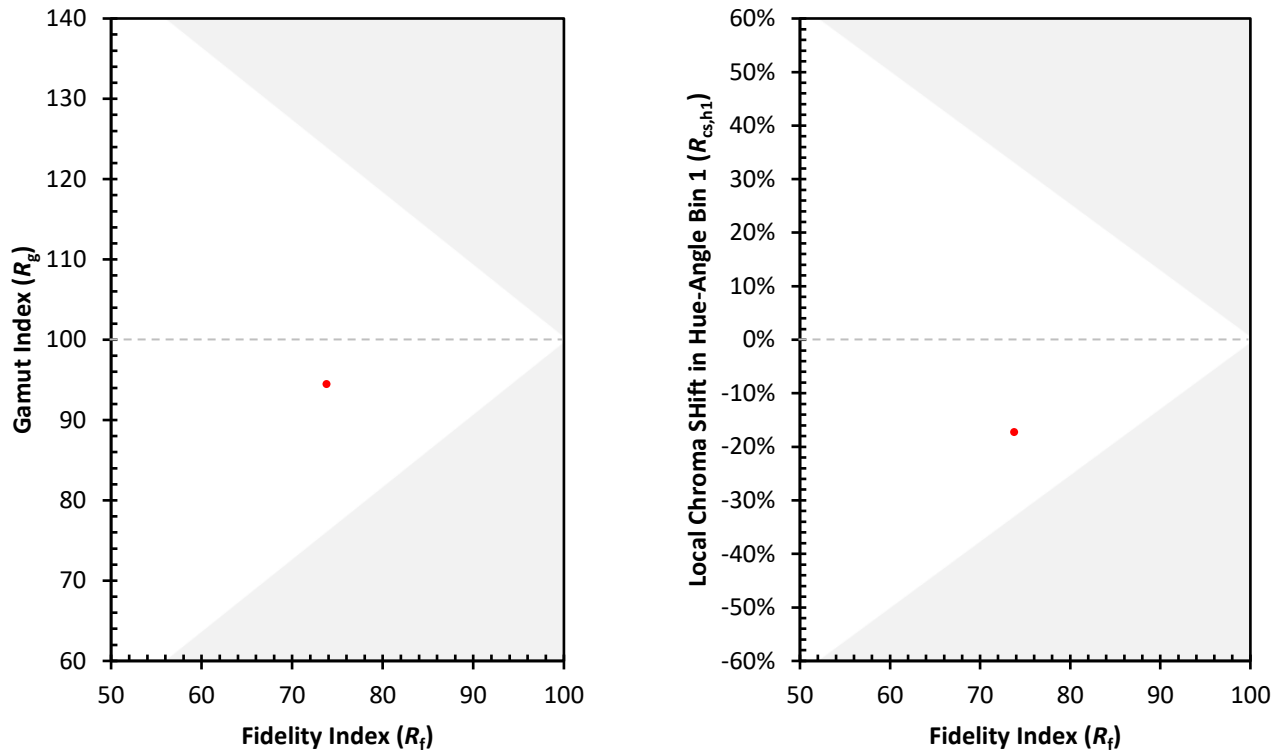
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)