

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: P1066029

Luminaire Tested: **NVN-SA3A-730-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066029
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3A-730-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9622.1 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 82
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

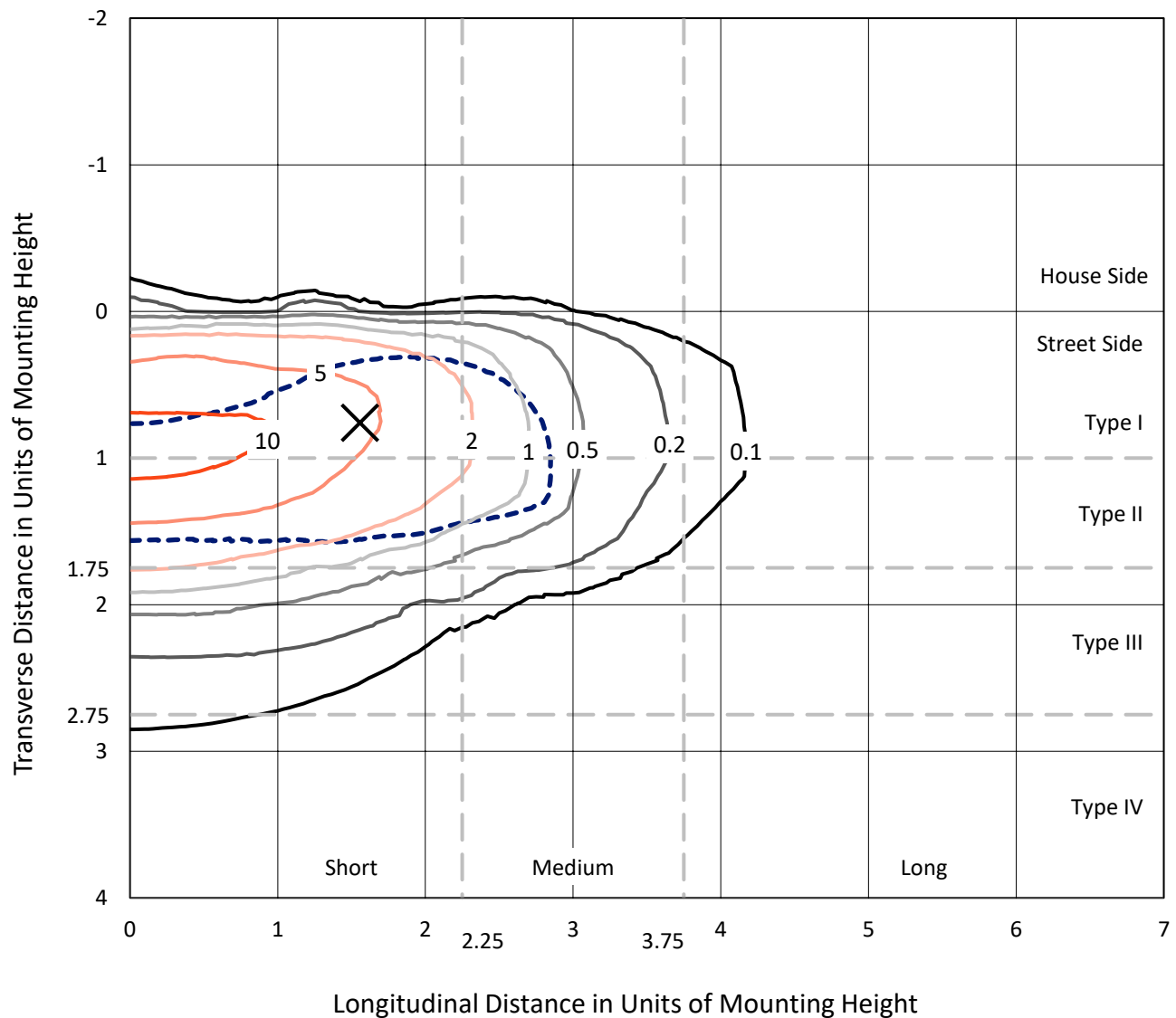


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

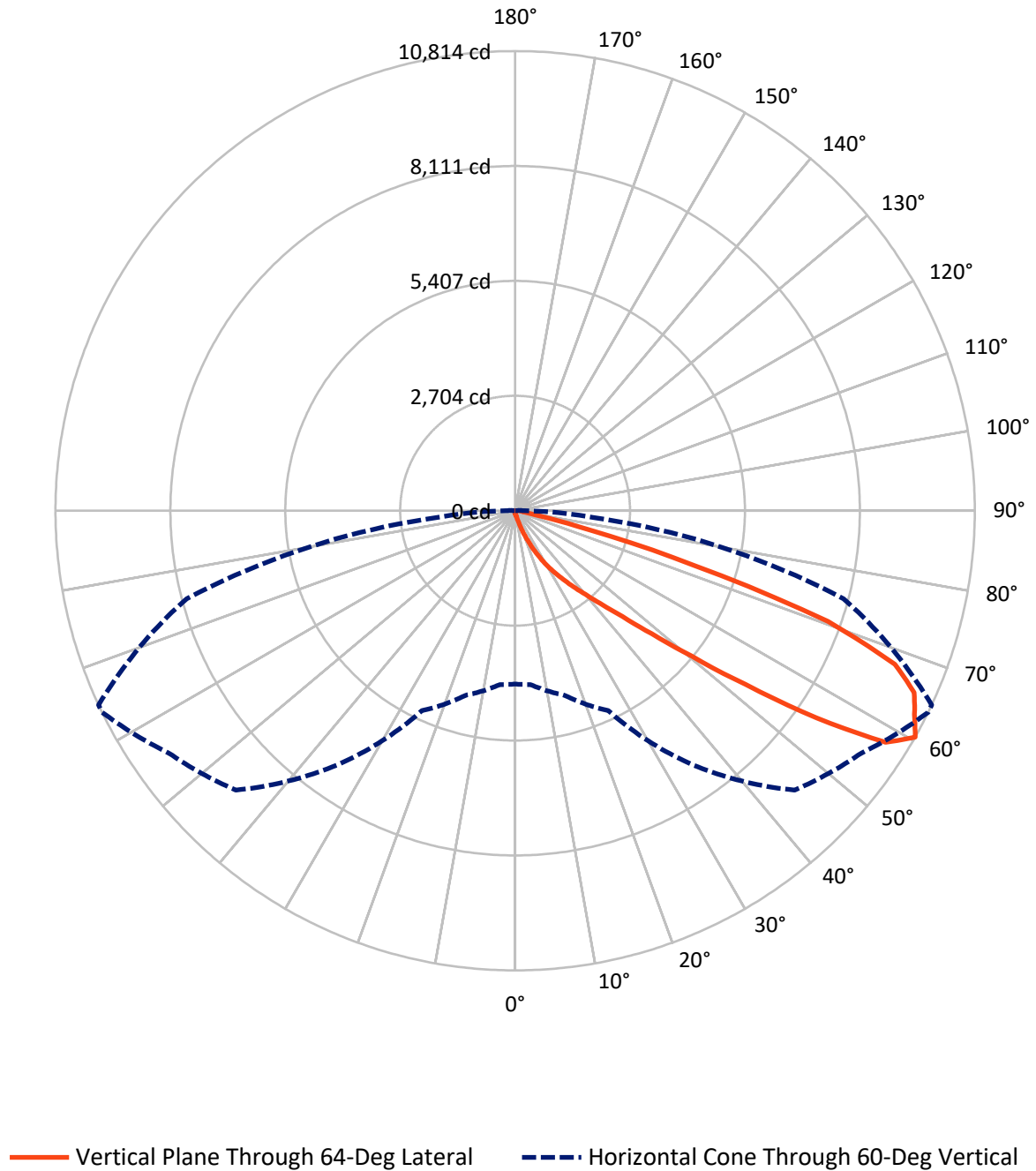


Based on 15 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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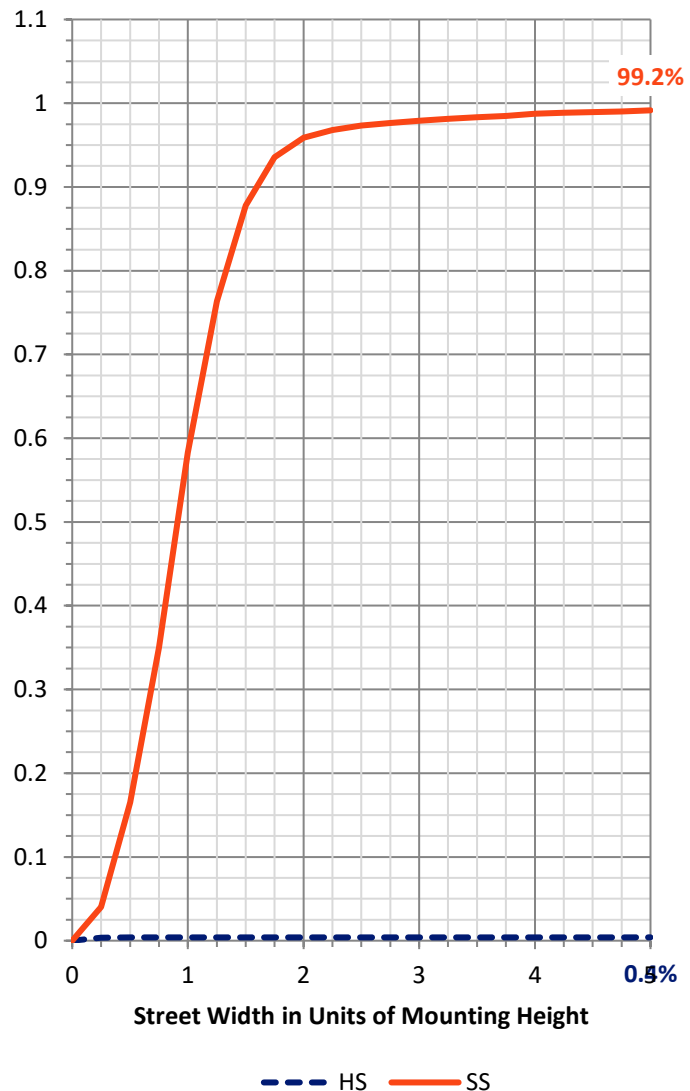
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39.0	0.0	39.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9583.1	0.0	9583.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	9622.1	0.0	9622.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.1
10°-20°	94.6	1.0
20°-30°	314.0	3.3
30°-40°	838.0	8.7
40°-50°	2129.9	22.1
50°-60°	3104.9	32.3
60°-70°	2398.2	24.9
70°-80°	658.6	6.8
80°-90°	74.3	0.8
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°	9622.1	100.0
0°-180°	9622.1	100.0



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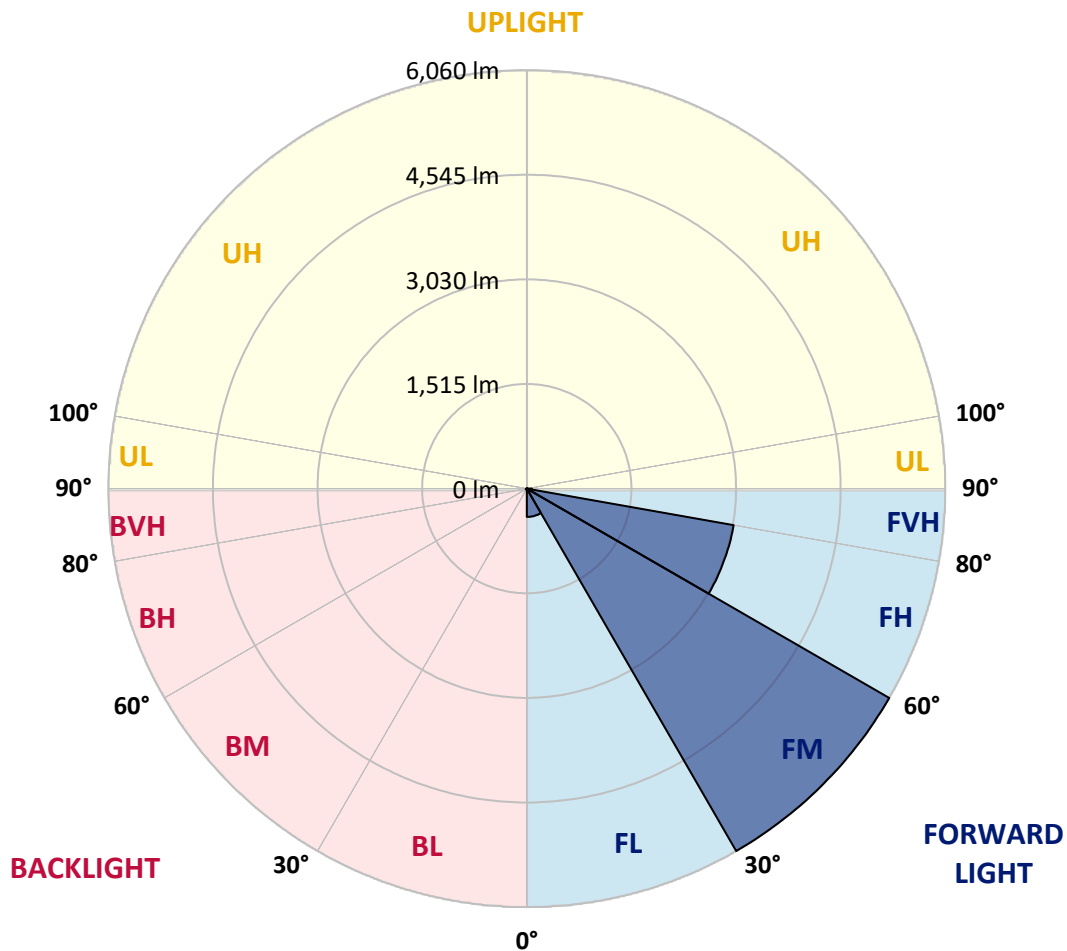
CATALOG NUMBER: NVN-SA3A-730-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.4	4.3			
FM	(30°-60°)	6059.8	63.0			
FH	(60°-80°)	3041.3	31.6			G2/5000
FVH	(80°-90°)	72.6	0.8			G1/100
BL	(0°-30°)	8.8	0.1	B0/110		
BM	(30°-60°)	12.9	0.1	B0/220		
BH	(60°-80°)	15.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G2

Type II Short



REPORT NUMBER: P1066029

CATALOG NUMBER: NVN-SA3A-730-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	84.8	84.8	84.8	82.1	79.5	79.5	76.8	74.2	74.2	68.9	66.2
5°	129.8	129.8	124.5	119.2	111.2	100.6	90.1	82.1	82.1	74.2	68.9
7.5°	254.3	262.2	238.4	209.2	169.5	143.0	113.9	95.4	92.7	79.5	68.9
10°	550.9	545.6	508.5	437.0	344.3	249.0	158.9	116.5	111.2	84.8	68.9
12.5°	829.0	837.0	797.2	717.8	606.5	442.3	272.8	151.0	145.7	92.7	68.9
15°	1067.4	1067.4	1040.9	1001.2	879.3	707.2	439.7	225.1	206.6	100.6	66.2
17.5°	1231.6	1229.0	1218.4	1207.8	1136.3	958.8	672.8	360.2	317.8	119.2	66.2
20°	1417.0	1409.1	1422.3	1401.1	1345.5	1205.1	919.1	535.0	495.3	151.0	66.2
22.5°	1610.4	1618.3	1628.9	1607.7	1546.8	1425.0	1178.6	760.2	717.8	209.2	68.9
25°	1856.7	1851.4	1875.2	1856.7	1779.9	1636.9	1422.3	1006.5	945.6	291.3	74.2
27.5°	2158.6	2148.0	2163.9	2116.3	2015.6	1869.9	1639.5	1258.1	1186.6	418.5	84.8
30°	2558.6	2566.5	2495.0	2439.4	2296.4	2103.0	1880.5	1528.3	1454.1	569.5	95.4
32.5°	3189.0	3133.3	3022.1	2797.0	2608.9	2362.6	2121.6	1764.0	1697.8	762.8	111.2
35°	4171.6	4182.2	3938.5	3382.3	2974.4	2688.4	2386.4	2023.6	1975.9	982.6	132.4
37.5°	5368.8	5339.6	5125.1	4423.2	3509.4	3093.6	2688.4	2307.0	2238.1	1221.0	158.9
40°	6724.9	6603.0	6478.6	6001.8	4624.5	3602.1	3069.8	2635.4	2582.4	1496.5	201.3
42.5°	7810.8	7779.0	7800.2	7601.6	6483.8	4468.2	3575.7	3038.0	2974.4	1838.1	275.5
45°	8345.8	8300.8	8427.9	8576.3	8290.2	6311.7	4391.4	3551.8	3467.1	2240.7	389.3
47.5°	8202.8	8171.0	8443.8	8735.2	9116.6	8449.1	5723.7	4319.9	4174.2	2757.2	558.9
50°	7498.3	7500.9	7948.5	8491.5	9095.4	9532.4	7696.9	5371.4	5188.7	3443.2	823.7
52.5°	6812.3	6833.5	7307.6	8099.5	8780.2	9659.6	9429.1	6788.4	6491.8	4251.1	1136.3
55°	6107.7	6118.3	6536.8	7651.9	8631.9	9280.8	10319.1	8613.3	8298.2	5257.5	1440.9
57.5°	5429.7	5429.7	5586.0	6576.6	8470.3	9246.4	10213.1	10282.0	10025.1	6407.0	1666.0
60°	4078.9	4105.4	4494.7	5188.7	7304.9	9296.7	9943.0	10814.4	10814.4	8001.5	1838.1
62.5°	2060.6	2100.4	2585.1	3260.5	5011.2	8602.8	9985.3	10546.8	10589.2	9407.9	2230.1
65°	966.8	1011.8	1271.3	1748.1	2696.3	6054.8	9545.7	10319.1	10305.8	9140.4	3056.5
67.5°	693.9	707.2	794.6	1019.7	1451.4	2653.9	7286.4	9638.4	9643.7	7765.8	3514.7
70°	622.4	622.4	643.6	709.8	874.0	1186.6	3541.2	7805.5	8184.3	5996.5	3257.8
72.5°	614.5	609.2	603.9	606.5	590.6	595.9	1215.7	4407.3	4947.6	4195.4	2598.3
75°	598.6	598.6	593.3	574.8	471.5	384.1	418.5	1782.5	2060.6	2802.3	1928.2
77.5°	474.1	521.8	577.4	543.0	431.7	288.7	243.7	516.5	651.6	1719.0	1398.5
80°	219.8	222.5	219.8	230.4	275.5	206.6	180.1	251.6	254.3	953.5	866.1
82.5°	158.9	161.6	153.6	137.7	121.8	111.2	148.3	185.4	198.6	437.0	323.1
85°	47.7	45.0	53.0	71.5	84.8	98.0	124.5	156.3	164.2	161.6	47.7
87.5°	21.2	21.2	26.5	37.1	50.3	74.2	108.6	143.0	145.7	166.9	13.2
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-SA3A-730-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2.5°	66.2	63.6	60.9	58.3	55.6	53.0	50.3	50.3	53.0	53.0	53.0
5°	63.6	60.9	55.6	50.3	47.7	45.0	42.4	42.4	45.0	45.0	45.0
7.5°	63.6	58.3	53.0	47.7	42.4	39.7	37.1	37.1	37.1	39.7	39.7
10°	63.6	58.3	50.3	42.4	37.1	34.4	31.8	29.1	31.8	31.8	31.8
12.5°	60.9	55.6	47.7	39.7	31.8	26.5	23.8	23.8	23.8	23.8	23.8
15°	58.3	53.0	45.0	34.4	26.5	21.2	15.9	15.9	15.9	18.5	18.5
17.5°	55.6	50.3	39.7	26.5	18.5	13.2	10.6	10.6	10.6	13.2	13.2
20°	55.6	47.7	34.4	21.2	13.2	7.9	5.3	5.3	5.3	7.9	10.6
22.5°	55.6	47.7	31.8	15.9	7.9	5.3	2.6	2.6	2.6	2.6	2.6
25°	55.6	45.0	29.1	13.2	5.3	2.6	0.0	0.0	2.6	5.3	7.9
27.5°	55.6	42.4	23.8	7.9	5.3	2.6	0.0	2.6	5.3	5.3	5.3
30°	55.6	42.4	21.2	7.9	2.6	0.0	0.0	2.6	5.3	5.3	7.9
32.5°	58.3	39.7	18.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	60.9	37.1	15.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	66.2	37.1	10.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	74.2	39.7	10.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	92.7	42.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	129.8	53.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	190.7	79.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	278.1	108.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	341.7	108.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	339.0	68.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	259.6	47.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	219.8	34.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	264.9	26.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	471.5	23.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	757.5	23.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	847.6	23.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	662.2	21.2	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	362.9	18.5	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	182.8	13.2	5.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	76.8	10.6	5.3	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
82.5°	26.5	10.6	5.3	5.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0
85°	13.2	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0	0.0	0.0
87.5°	7.9	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0	0.0	2.6
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

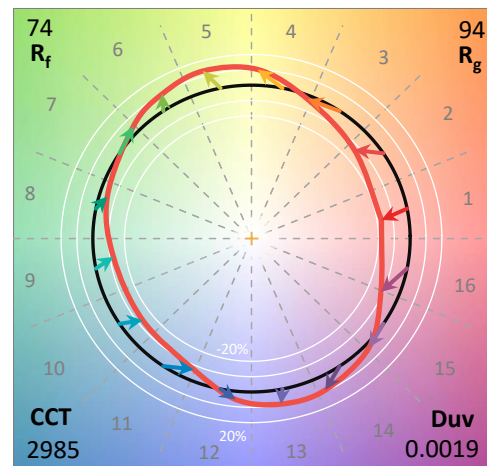
Test Information

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

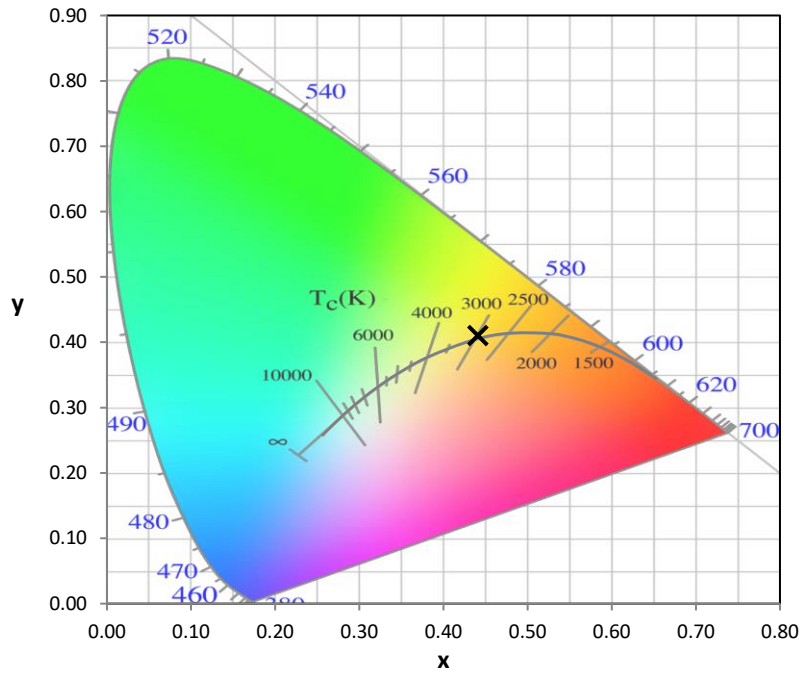
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

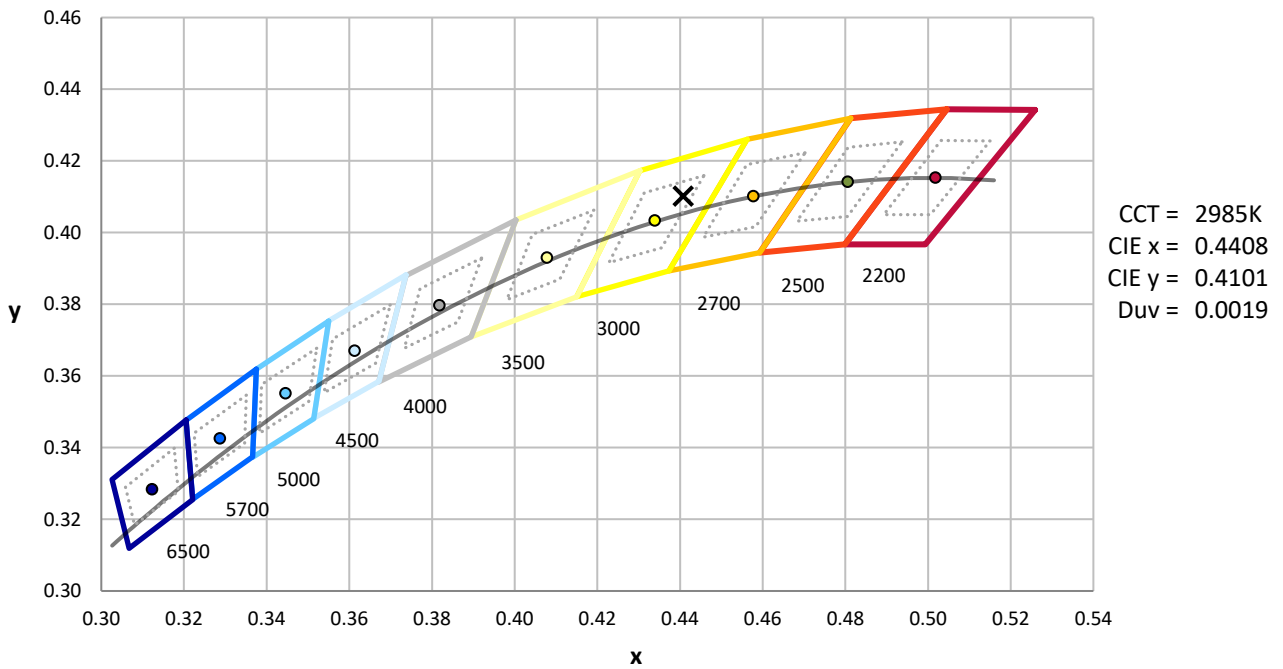
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



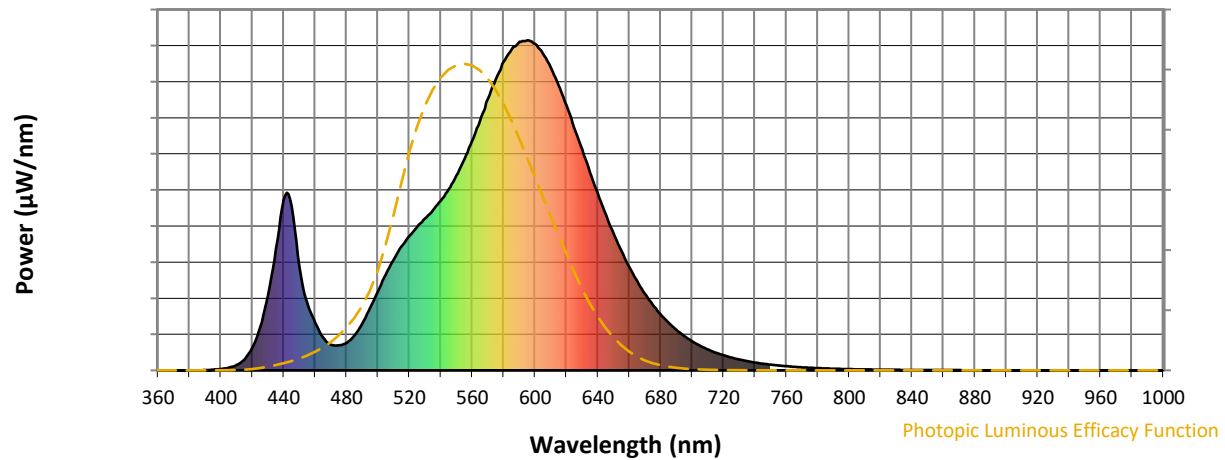
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.19

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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

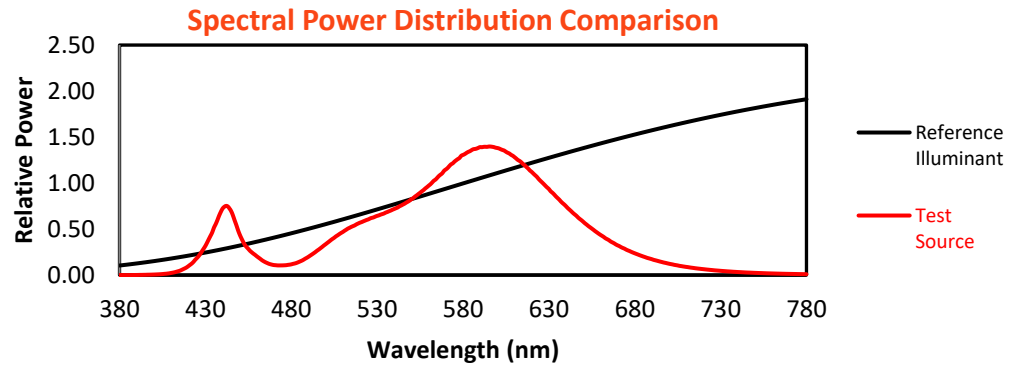
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	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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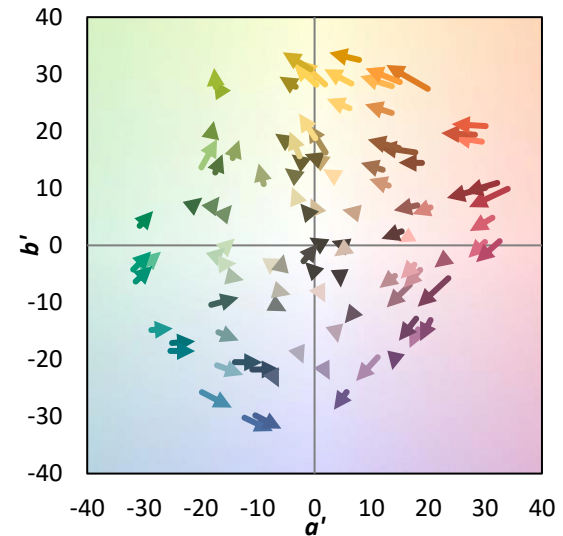
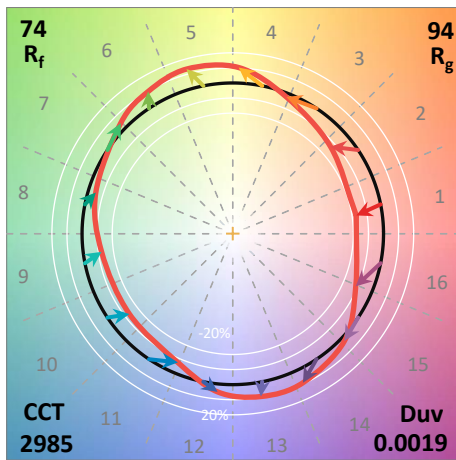
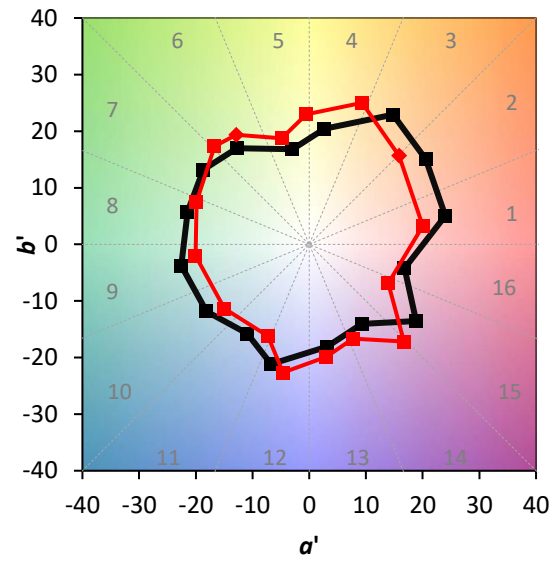
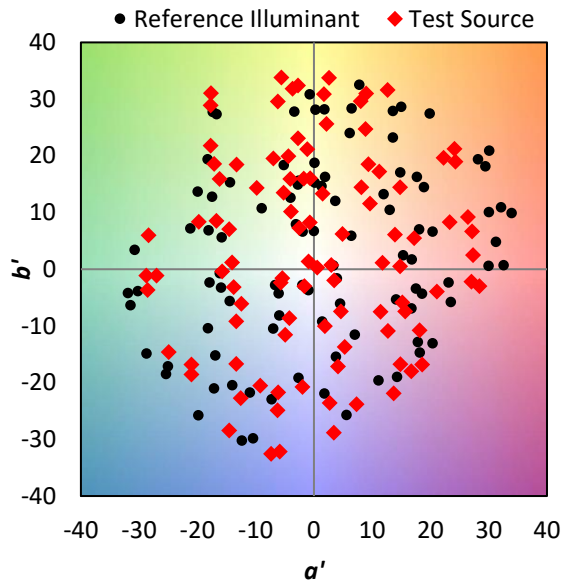
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $\text{CIE } R_a = 70.8$
 $R_g = -43.2$

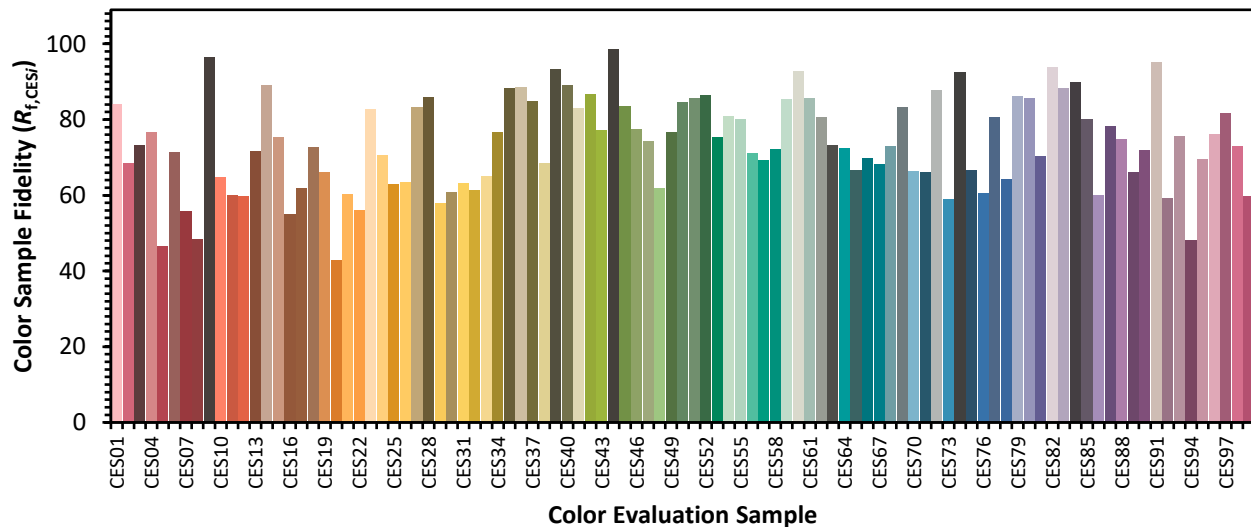


Color Vector Graphics

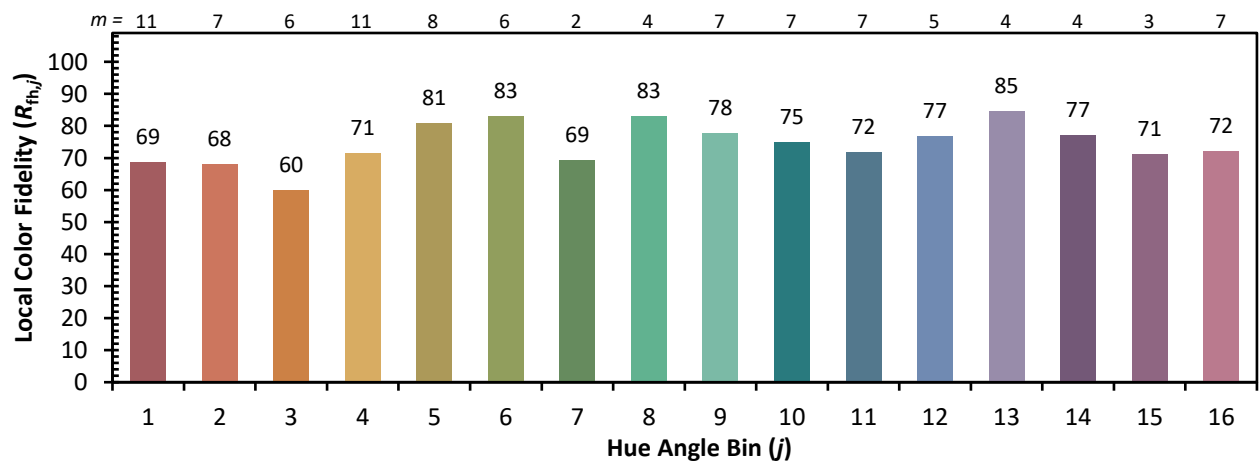
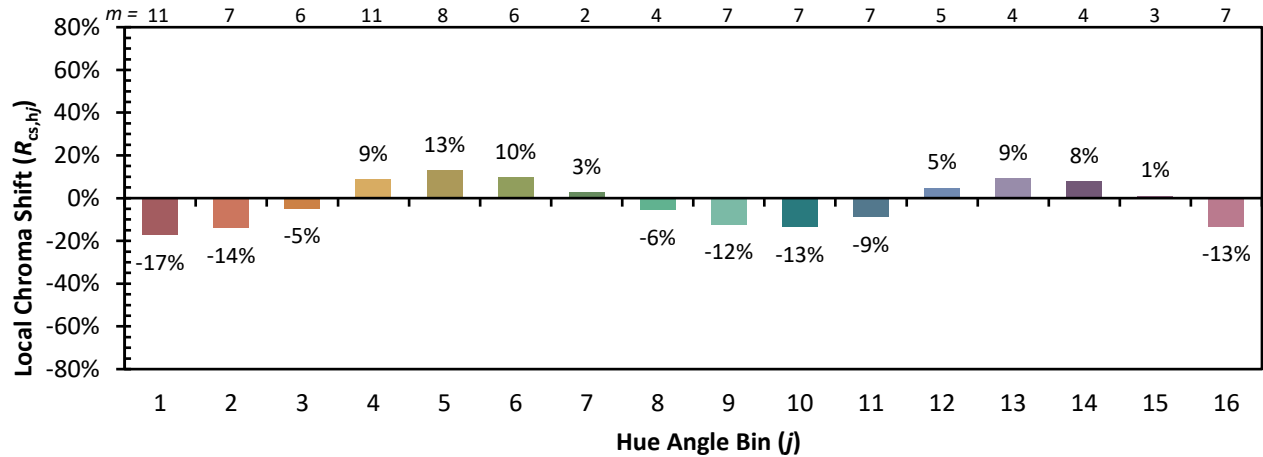


Individual Sample Fidelity Index ($R_{f,i}$)

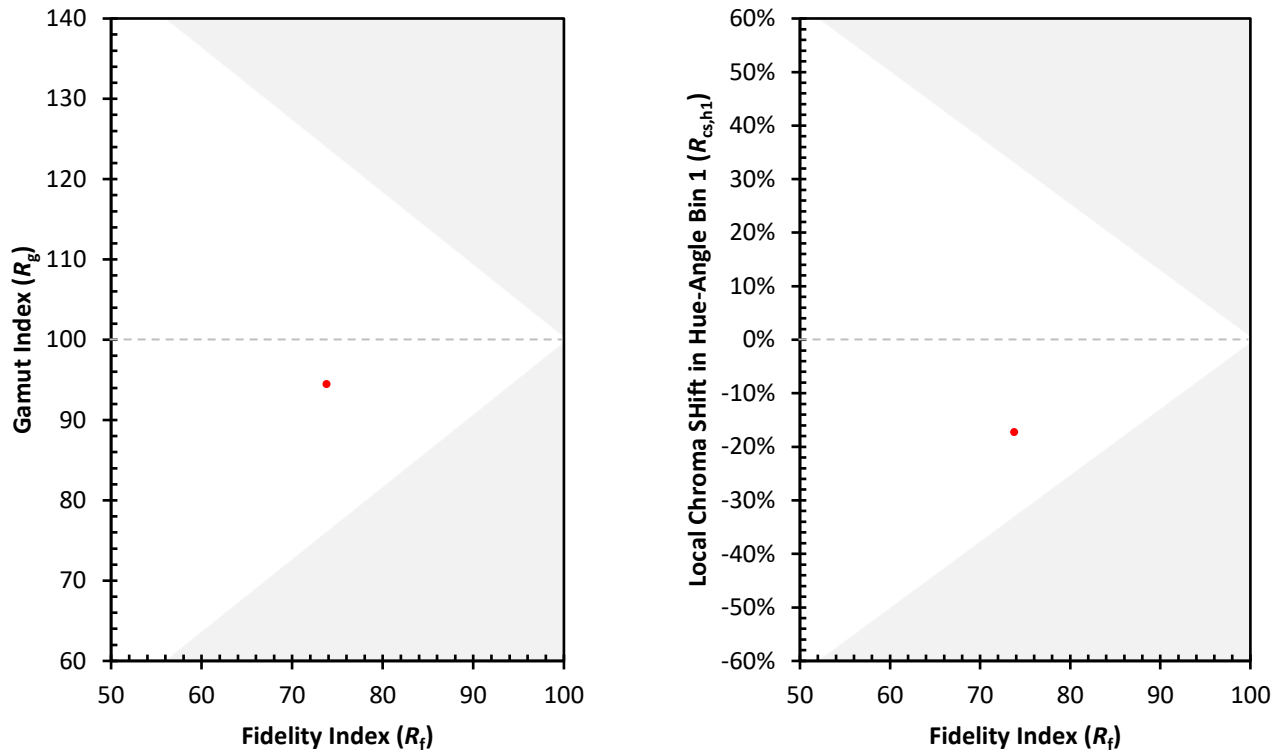
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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)