

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: P1065790

Luminaire Tested: **NVN-SA3B-730-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065790
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3B-730-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12754 lumens
Efficiency: N/A
Efficacy: 120.1 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



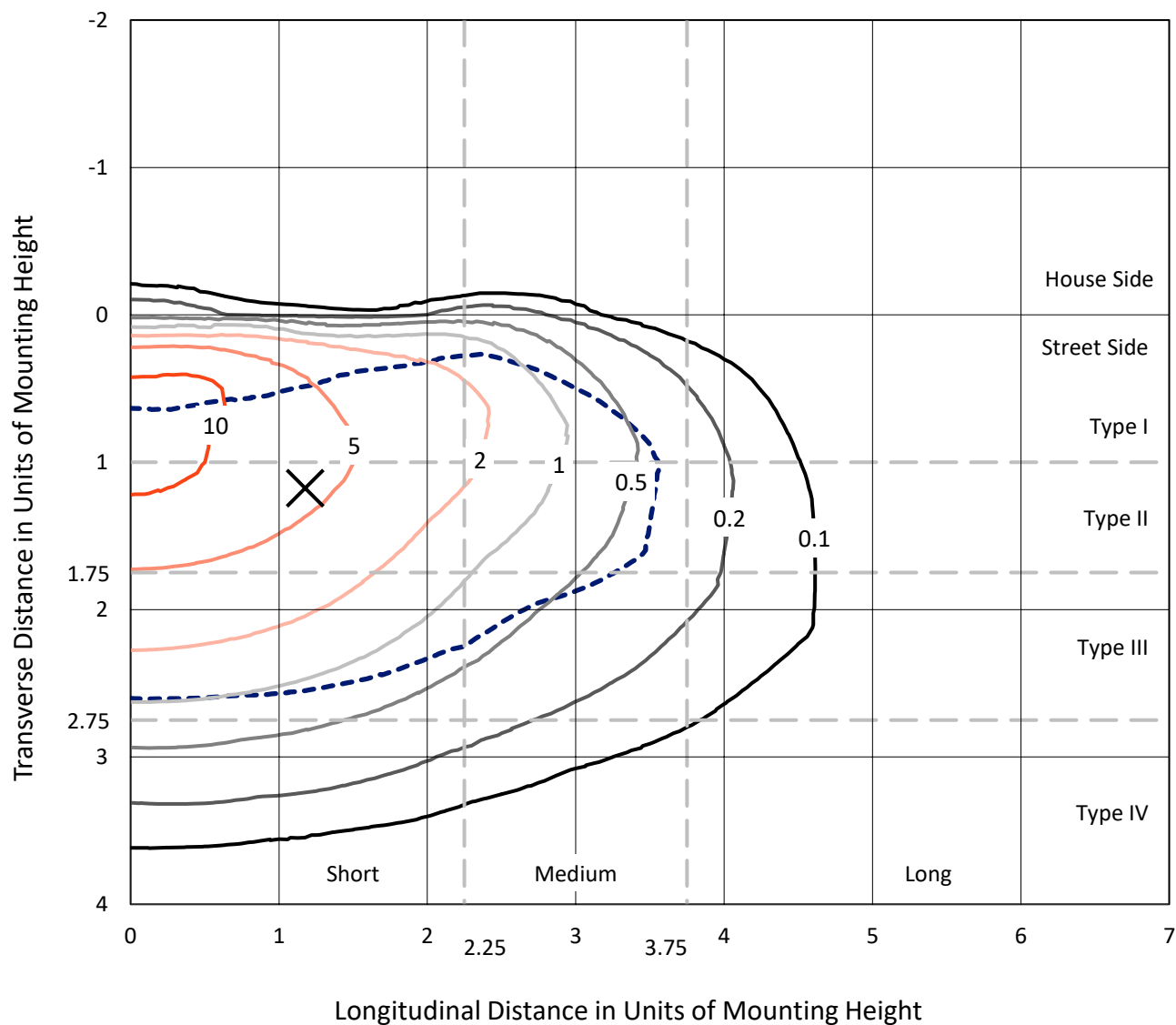
REPORT NUMBER: P1065790

CATALOG NUMBER: NVN-SA3B-730-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

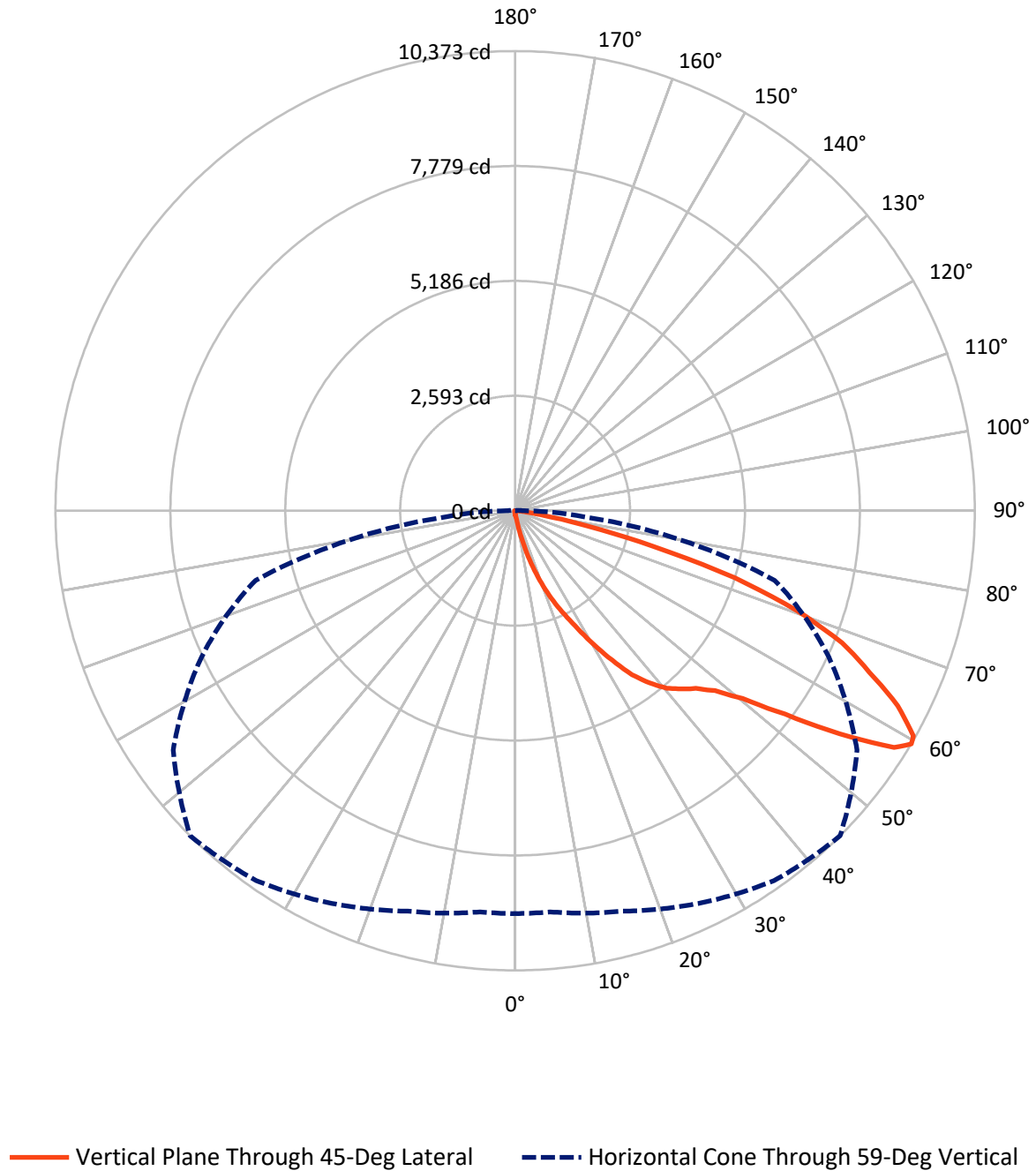


Based on 15 foot mounting height. Maximum calculated value = 13.9 fc
 Type III - Short - N/A

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CATALOG NUMBER: NVN-SA3B-730-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.3	0.0	45.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12708.8	0.0	12708.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	12754.0	0.0	12754.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.1
10°-20°	141.0	1.1
20°-30°	506.5	4.0
30°-40°	1177.0	9.2
40°-50°	2006.1	15.7
50°-60°	3305.6	25.9
60°-70°	3822.0	30.0
70°-80°	1642.1	12.9
80°-90°	141.9	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°	12754.0	100.0
0°-180°	12754.0	100.0



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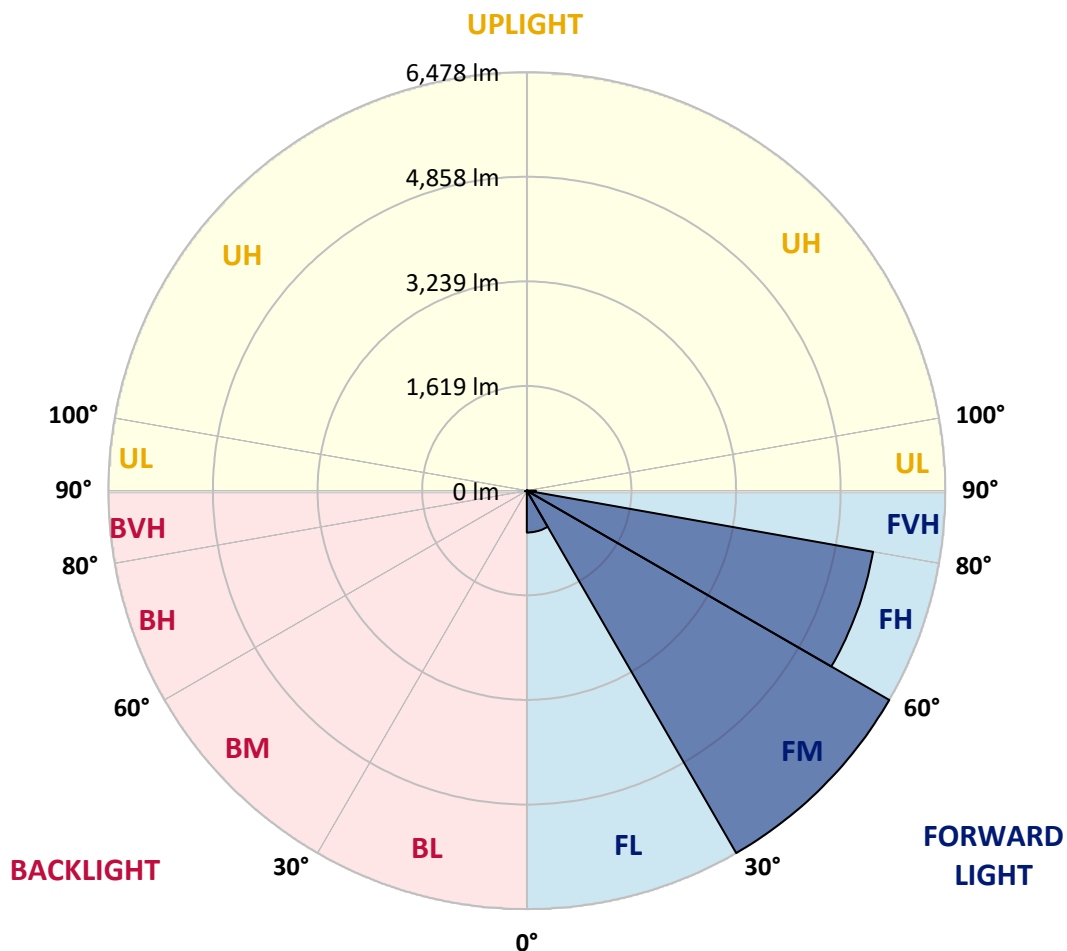
CATALOG NUMBER: NVN-SA3B-730-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	648.2	5.1			
FM	(30°-60°)	6477.8	50.8			
FH	(60°-80°)	5442.7	42.7			G3/7500
FVH	(80°-90°)	140.0	1.1			G2/225
BL	(0°-30°)	11.2	0.1	B0/110		
BM	(30°-60°)	11.0	0.1	B0/220		
BH	(60°-80°)	21.3	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





REPORT NUMBER: P1065790

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
2.5°	104.6	104.6	102.1	98.6	97.8	95.2	95.2	92.6	89.2	86.6	83.2
5°	151.8	150.9	144.1	135.5	124.3	117.5	117.5	108.1	99.5	91.8	84.9
7.5°	331.9	324.2	299.3	258.1	204.1	168.1	165.5	134.6	114.1	98.6	85.8
10°	761.5	735.0	699.8	601.2	444.2	310.4	304.4	196.4	136.4	106.3	87.5
12.5°	1247.8	1269.2	1198.9	1043.7	860.2	639.8	596.9	331.0	180.1	116.6	89.2
15°	1690.3	1685.2	1645.7	1518.8	1307.0	1013.7	987.1	575.4	258.1	132.9	90.9
17.5°	2021.3	2015.3	1977.6	1896.1	1733.2	1439.9	1416.7	917.6	404.8	156.1	92.6
20°	2370.4	2362.6	2309.5	2244.3	2101.9	1852.4	1824.9	1300.1	633.8	193.8	92.6
22.5°	2788.9	2774.3	2717.7	2607.1	2457.0	2240.0	2215.1	1691.2	917.6	255.6	96.9
25°	3294.8	3270.0	3191.9	3092.5	2911.5	2623.4	2596.8	2126.8	1259.8	349.0	101.2
27.5°	3872.0	3876.3	3770.8	3602.7	3360.0	3065.9	3016.1	2517.0	1614.0	482.8	106.3
30°	4557.2	4514.3	4366.0	4170.4	3934.6	3559.8	3511.8	2905.5	2011.9	680.1	114.9
32.5°	5198.7	5152.4	4952.6	4706.4	4453.4	4058.1	4018.6	3342.0	2373.8	913.3	130.4
35°	5749.2	5716.7	5437.1	5136.9	4912.2	4558.9	4546.9	3829.1	2799.2	1164.6	147.5
37.5°	6233.8	6174.6	5815.3	5504.0	5275.9	4959.4	4933.7	4275.1	3209.1	1456.2	173.2
40°	6647.1	6614.6	6176.3	5767.3	5582.0	5299.0	5266.4	4666.1	3632.7	1794.9	205.0
42.5°	7089.7	7046.8	6621.4	6162.6	5821.3	5518.6	5497.1	4988.6	4010.1	2167.1	252.1
45°	7589.6	7509.9	7136.8	6725.2	6206.3	5745.8	5721.8	5275.9	4396.8	2566.8	309.6
47.5°	8123.9	8054.4	7752.6	7463.6	6866.7	6120.6	6069.1	5520.3	4781.0	3028.1	382.5
50°	8667.6	8669.3	8442.9	8304.0	7673.7	6729.5	6656.6	5879.6	5185.0	3522.1	490.5
52.5°	9300.5	9316.8	9313.4	9210.5	8721.6	7725.1	7627.4	6425.0	5654.1	4098.4	639.8
55°	9565.5	9594.7	9784.2	10012.3	9879.4	8987.5	8882.9	7365.8	6275.8	4740.7	861.0
57.5°	9348.5	9381.1	9642.7	10042.3	10347.6	10092.9	10080.9	8590.4	7094.8	5519.4	1222.9
59°	9090.4	9086.1	9354.5	9778.2	10189.8	10355.3	10372.5	9418.9	7808.3	6065.7	1535.1
60°	8918.9	8922.3	9100.7	9535.5	9972.9	10260.1	10327.0	9906.8	8225.1	6458.5	1802.6
62.5°	8256.8	8296.3	8437.8	8841.7	9256.8	9577.5	9691.6	10341.6	9418.0	7386.4	2733.1
65°	7537.3	7539.9	7741.4	8087.0	8484.9	8710.5	8782.5	9665.0	10214.7	8331.4	3953.5
67.5°	6253.5	6305.8	6534.8	7094.8	7620.5	7906.1	7961.0	8412.9	9884.5	8947.2	4564.9
70°	4376.3	4444.9	4771.6	5498.0	6281.0	6750.0	6746.6	6993.6	8699.3	8672.8	3870.3
72.5°	2185.1	2303.5	2570.2	3348.0	4296.5	5033.2	5188.4	5625.8	6988.5	7203.7	2887.5
75°	965.6	972.5	1124.3	1516.2	2135.4	3071.0	3209.9	4465.4	5361.6	5006.6	2085.6
77.5°	561.7	566.9	594.3	680.9	865.3	1505.1	1661.1	2928.7	3788.8	2909.8	1360.1
80°	204.1	209.3	208.4	258.1	379.1	592.6	660.3	1419.3	2527.3	1532.5	712.7
82.5°	125.2	125.2	120.9	121.8	138.1	227.3	248.7	604.6	1230.6	754.7	204.1
85°	61.7	65.2	69.5	78.0	92.6	112.3	119.2	173.2	414.2	182.7	48.9
87.5°	36.9	37.7	41.2	49.7	61.7	80.6	85.8	117.5	148.4	122.6	12.0
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-730-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
2.5°	81.5	80.6	76.3	72.9	69.5	66.0	63.5	60.9	60.9	61.7	60.9
5°	81.5	78.0	71.2	65.2	60.0	55.7	51.5	48.0	47.2	47.2	48.0
7.5°	80.6	76.3	66.9	59.2	52.3	46.3	42.0	37.7	36.9	37.7	36.9
10°	79.8	74.6	63.5	54.0	44.6	38.6	32.6	28.3	28.3	28.3	29.2
12.5°	79.8	72.0	60.0	48.9	38.6	31.7	25.7	21.4	20.6	20.6	20.6
15°	78.9	70.3	56.6	42.9	32.6	24.0	18.9	14.6	14.6	14.6	14.6
17.5°	77.2	67.7	52.3	37.7	25.7	18.0	12.9	8.6	8.6	10.3	10.3
20°	75.5	65.2	47.2	30.9	21.4	13.7	8.6	5.1	5.1	7.7	8.6
22.5°	76.3	65.2	43.7	27.4	17.2	10.3	6.9	4.3	3.4	6.0	7.7
25°	77.2	63.5	39.4	24.0	12.9	7.7	5.1	1.7	0.9	1.7	2.6
27.5°	77.2	61.7	34.3	18.9	9.4	6.0	2.6	0.0	0.0	0.0	0.0
30°	76.3	59.2	30.0	15.4	6.9	3.4	0.9	0.0	0.0	0.0	0.0
32.5°	75.5	56.6	27.4	12.0	6.0	1.7	0.0	0.0	0.0	0.0	0.0
35°	76.3	53.2	24.0	9.4	3.4	0.0	0.0	0.0	0.0	0.0	1.7
37.5°	78.9	49.7	20.6	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	82.3	47.2	17.2	6.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	89.2	47.2	15.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	97.8	47.2	12.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	108.9	48.0	11.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	122.6	49.7	10.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	132.9	48.0	9.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	150.9	46.3	8.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	174.9	43.7	8.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	199.0	40.3	8.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	226.4	38.6	7.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	373.9	34.3	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	722.1	32.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1167.2	32.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1227.2	32.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	816.4	26.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	437.4	24.0	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	235.8	22.3	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	103.8	16.3	4.3	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.2	11.1	5.1	4.3	3.4	1.7	0.0	0.0	0.0	0.0	0.0
85°	19.7	8.6	6.9	6.0	4.3	2.6	0.0	0.0	0.0	0.0	0.0
87.5°	9.4	8.6	7.7	6.9	6.0	4.3	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: SP1-2407-184-4

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

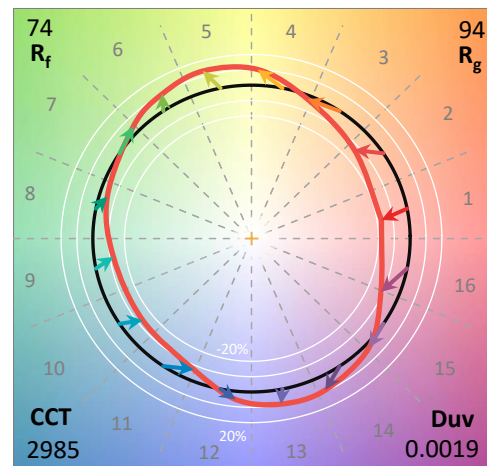
Test Information

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

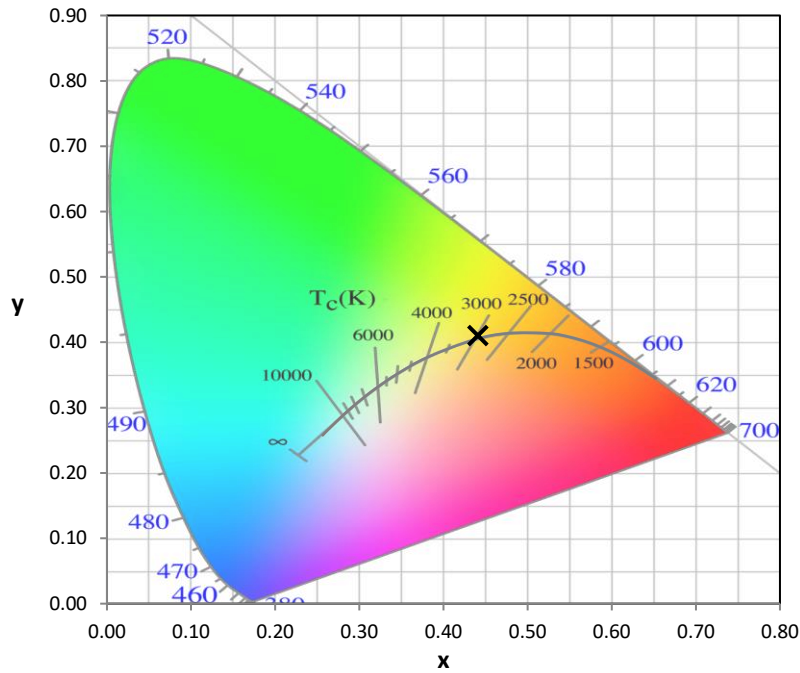
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

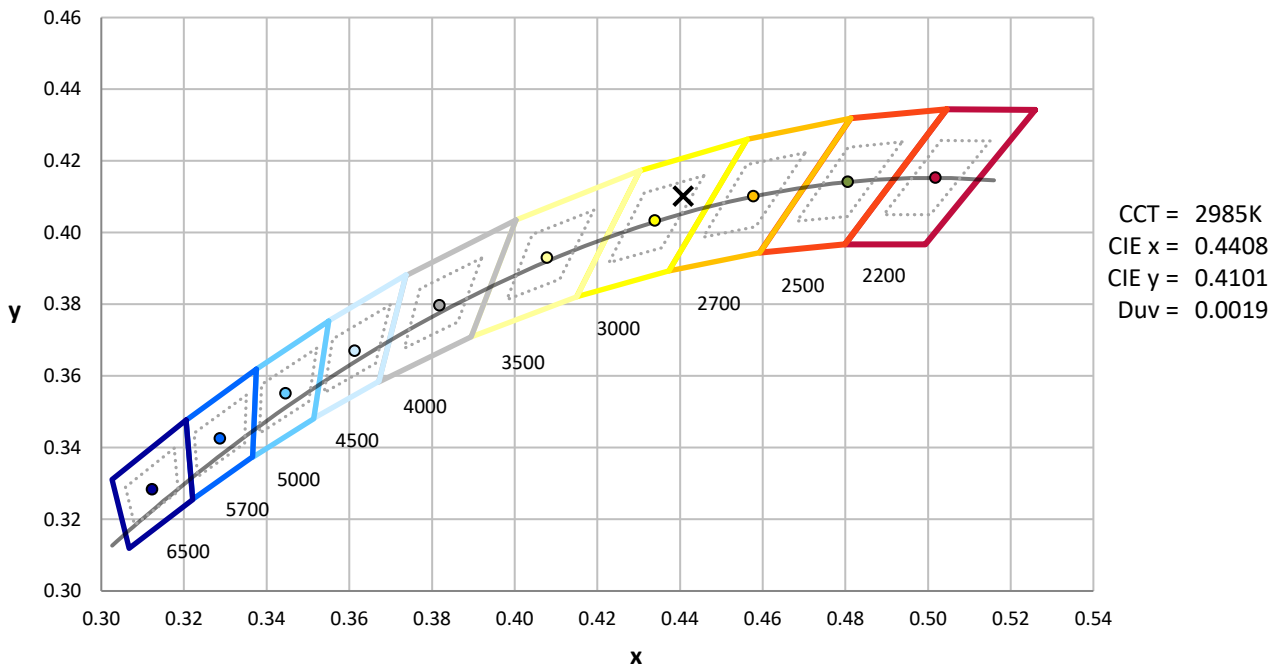
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



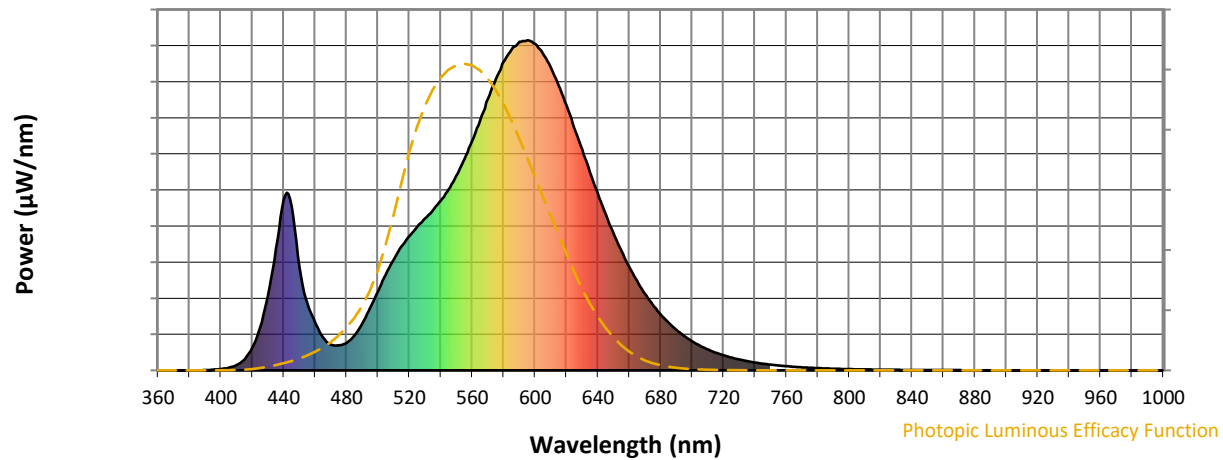
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

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

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

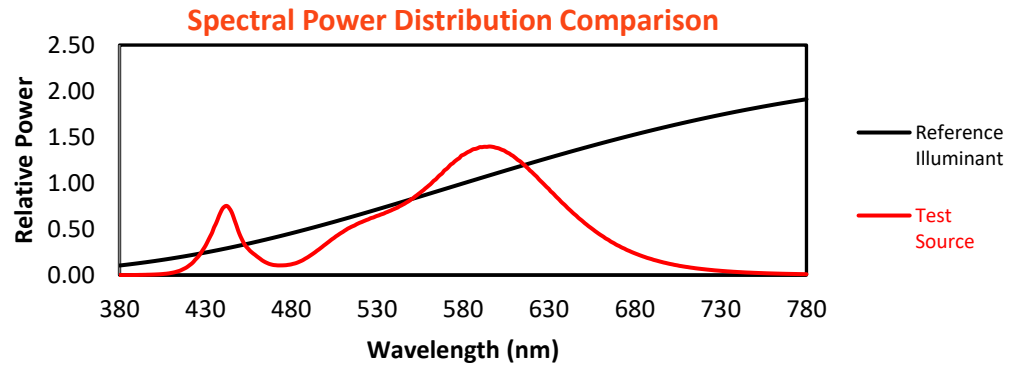
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	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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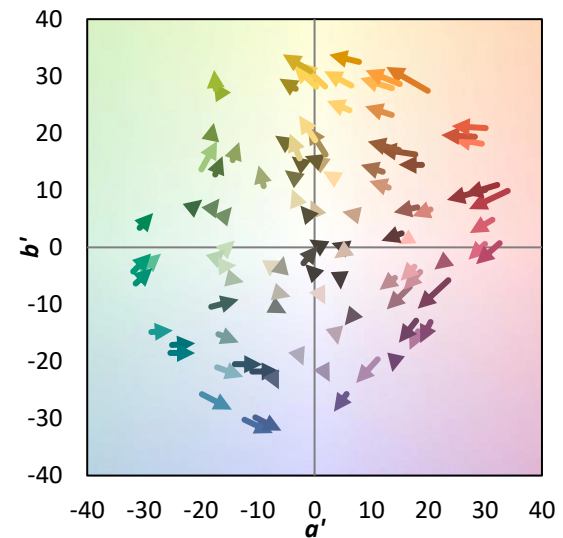
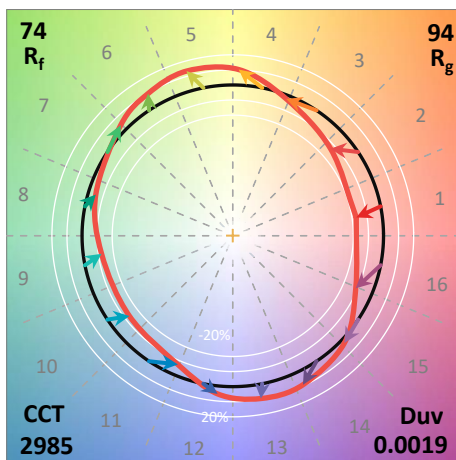
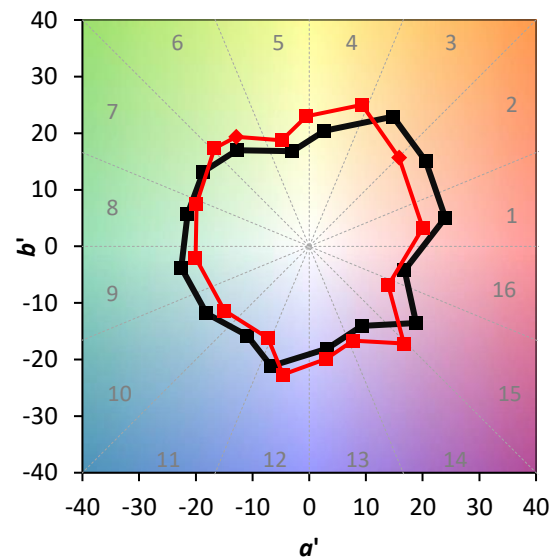
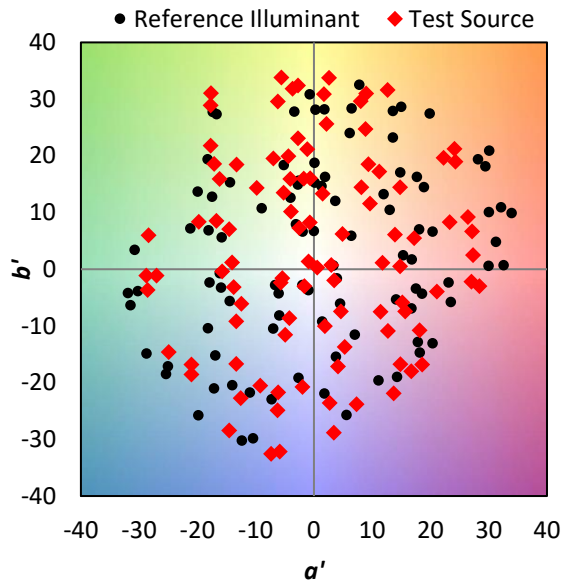
TM-30-18

Summary

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

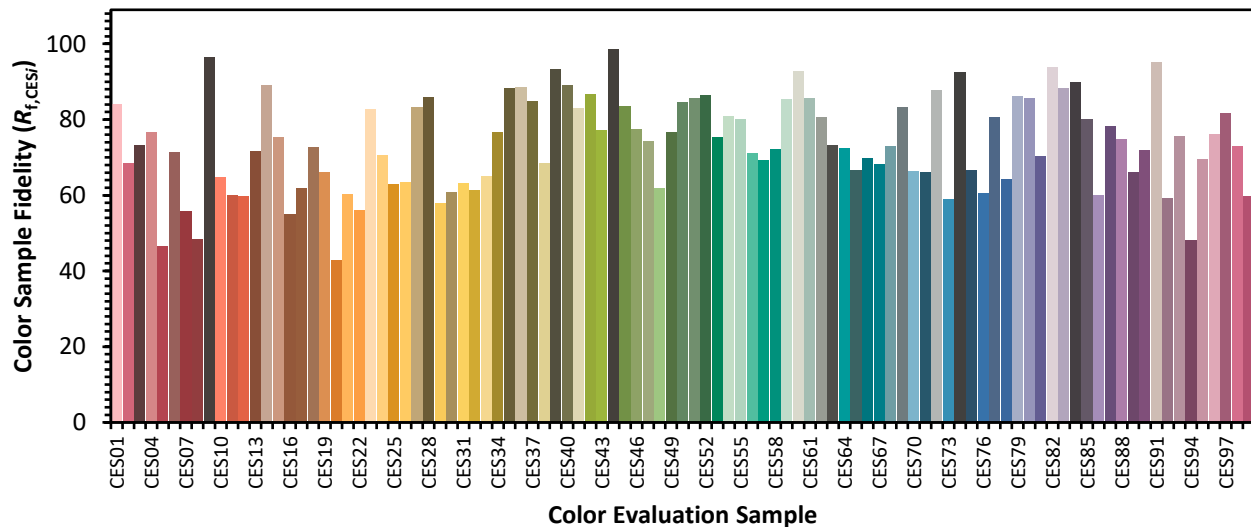


Color Vector Graphics

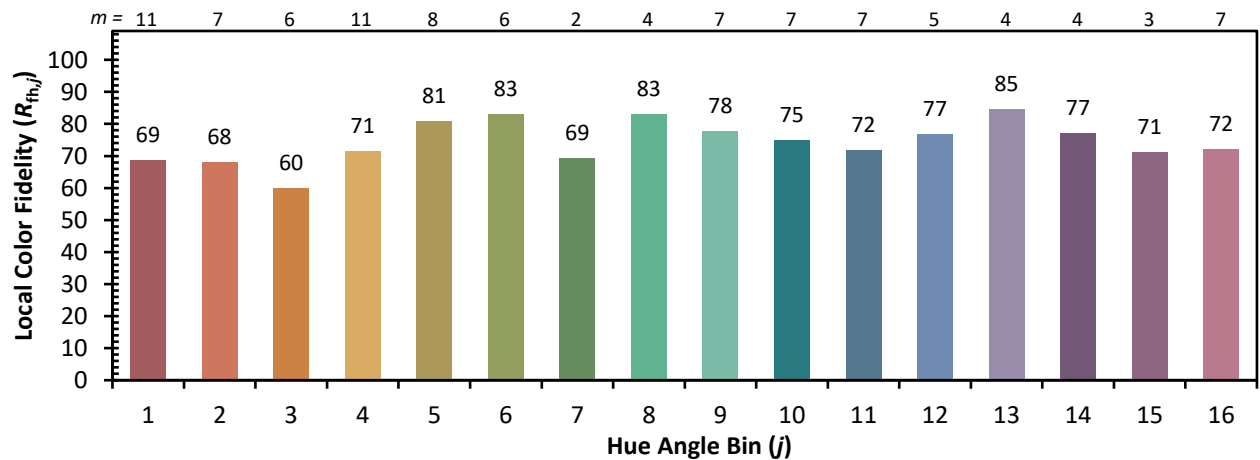
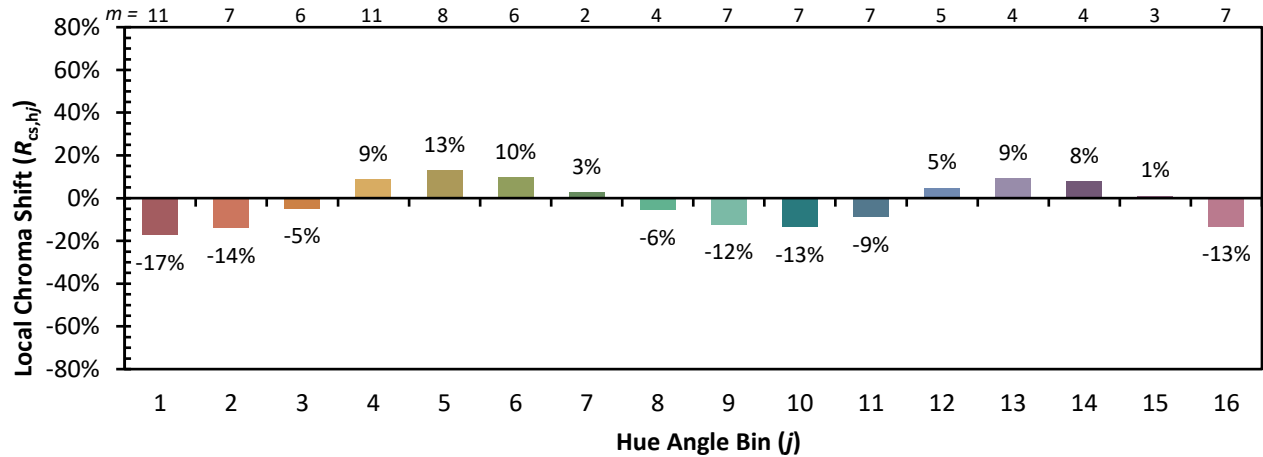


Individual Sample Fidelity Index ($R_{f,i}$)

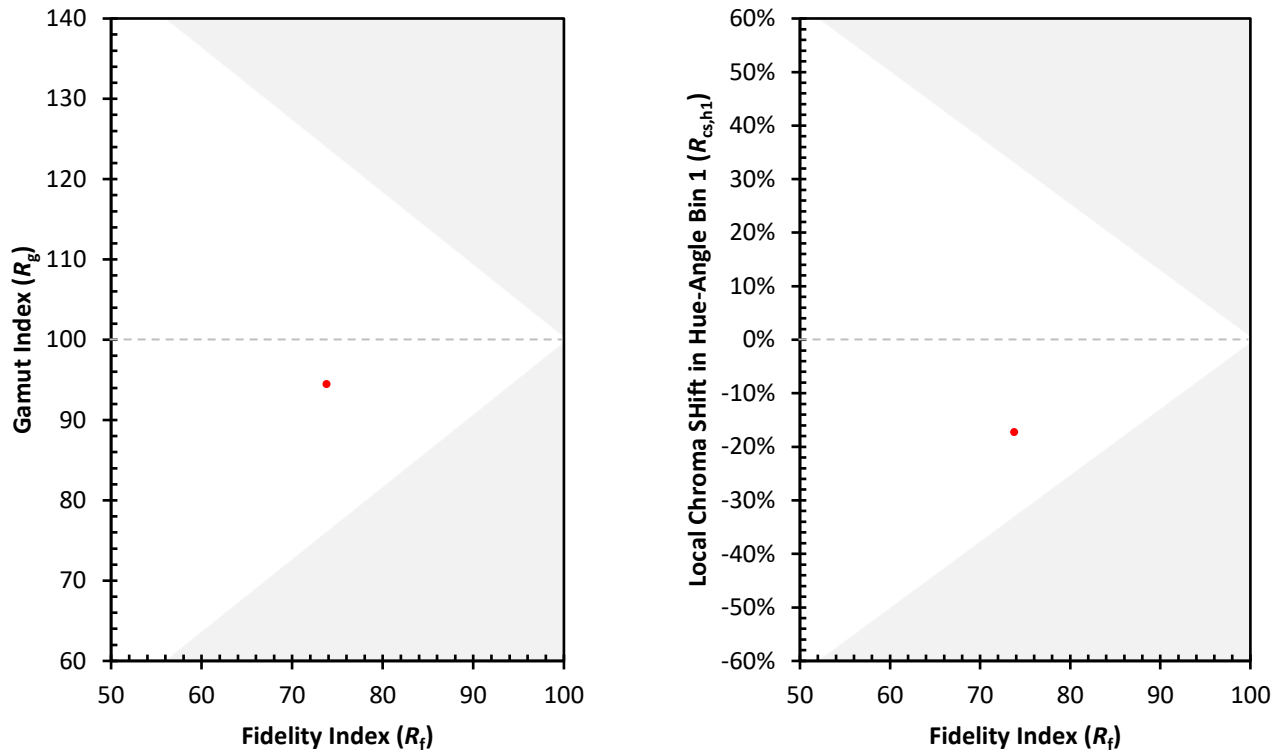
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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