

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: P1065794

Luminaire Tested: **NVN-SA4B-730-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065794
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4B-730-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16753.3 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

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

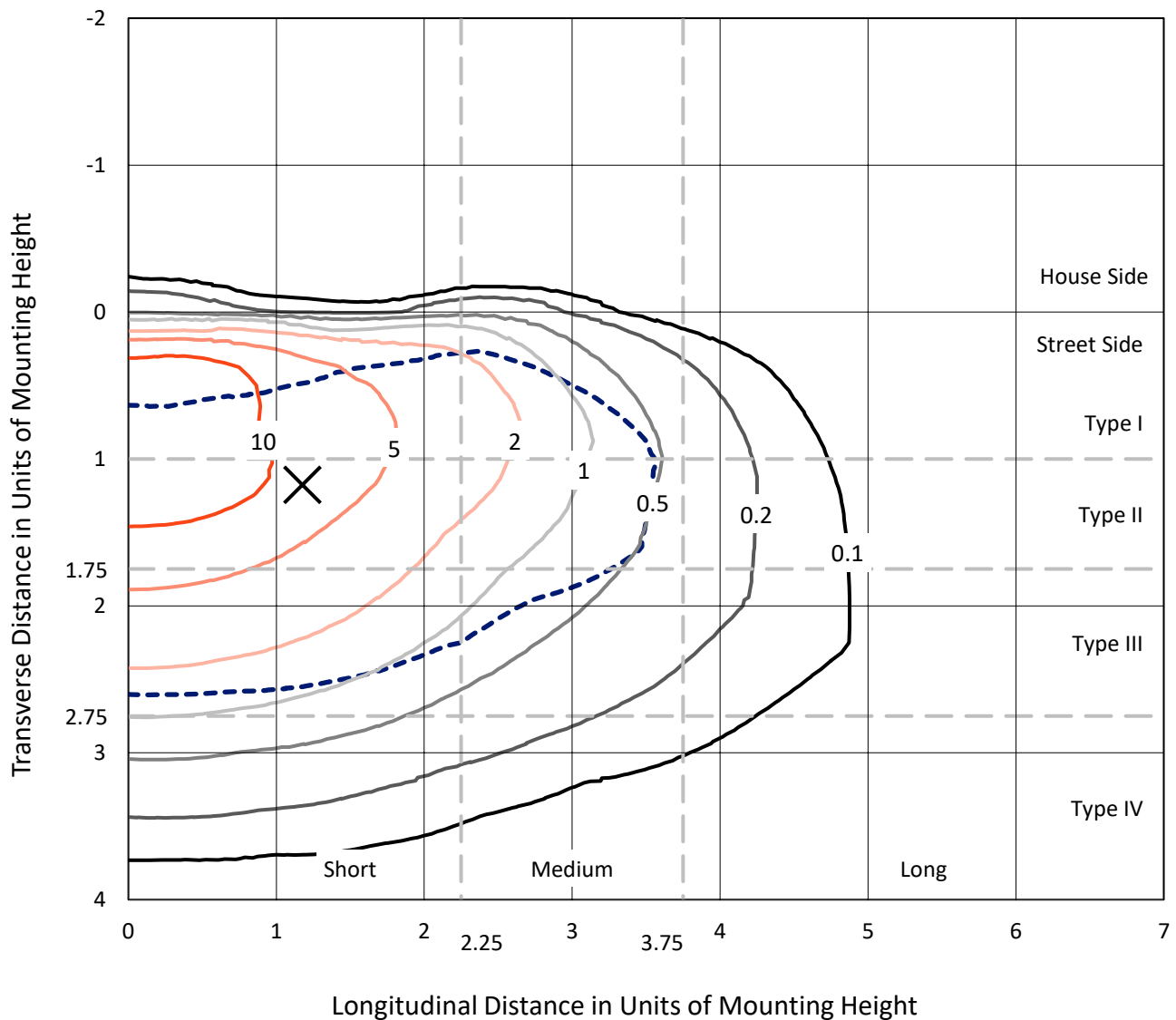


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CATALOG NUMBER: NVN-SA4B-730-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

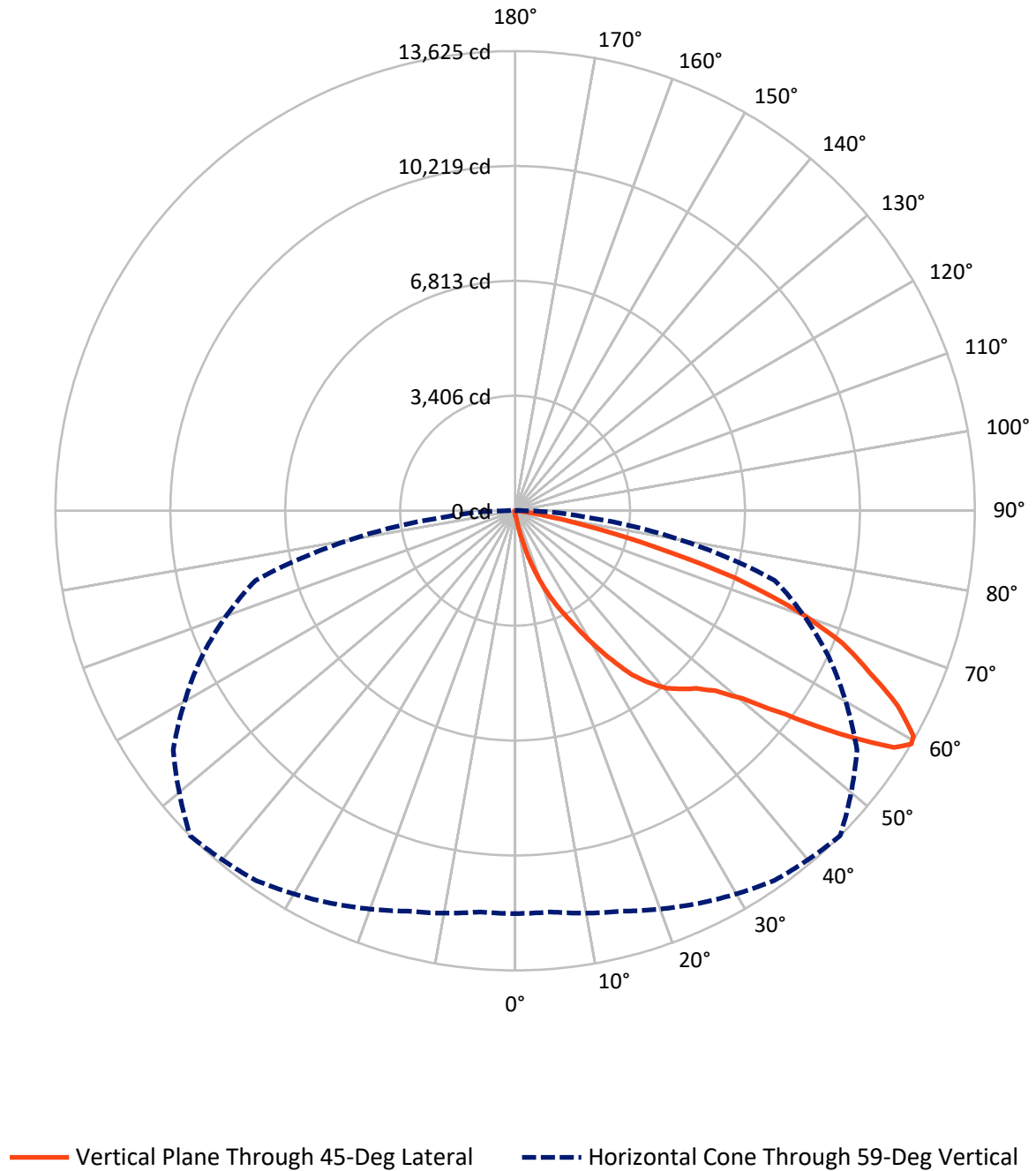


Based on 15 foot mounting height. Maximum calculated value = 18.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.5	0.0	59.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16693.8	0.0	16693.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	16753.3	0.0	16753.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.1
10°-20°	185.2	1.1
20°-30°	665.4	4.0
30°-40°	1546.1	9.2
40°-50°	2635.2	15.7
50°-60°	4342.1	25.9
60°-70°	5020.5	30.0
70°-80°	2156.9	12.9
80°-90°	186.4	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°	16753.3	100.0
0°-180°	16753.3	100.0



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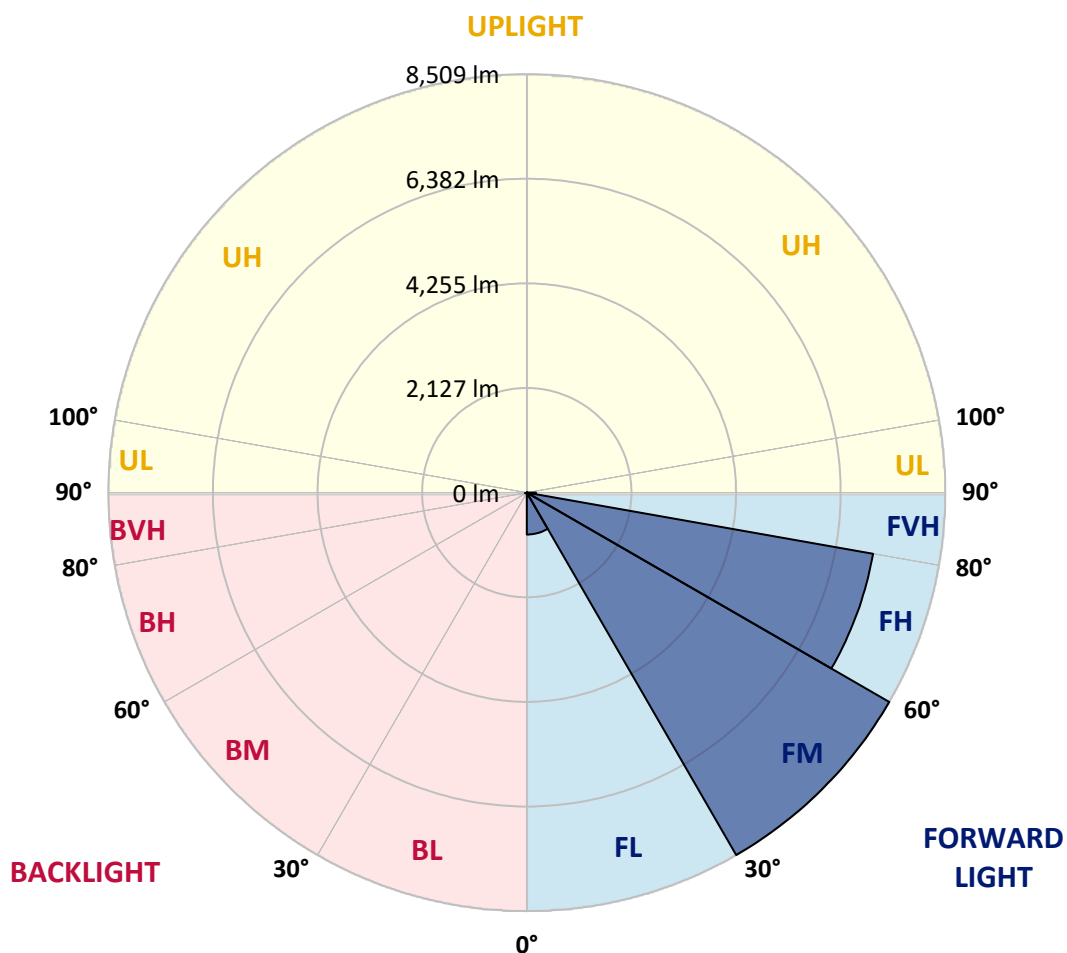
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	851.4	5.1			
FM	(30°-60°)	8509.0	50.8			
FH	(60°-80°)	7149.4	42.7			G3/7500
FVH	(80°-90°)	184.0	1.1			G2/225
BL	(0°-30°)	14.7	0.1	B0/110		
BM	(30°-60°)	14.4	0.1	B0/220		
BH	(60°-80°)	28.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
2.5°	137.4	137.4	134.1	129.5	128.4	125.0	125.0	121.7	117.2	113.8	109.3
5°	199.4	198.3	189.3	178.0	163.3	154.3	154.3	141.9	130.7	120.5	111.5
7.5°	436.0	425.8	393.1	339.1	268.1	220.8	217.4	176.9	149.8	129.5	112.6
10°	1000.3	965.4	919.2	789.7	583.5	407.8	399.9	258.0	179.1	139.7	114.9
12.5°	1639.1	1667.2	1574.8	1370.9	1129.9	840.4	784.0	434.8	236.6	153.2	117.2
15°	2220.3	2213.6	2161.8	1995.0	1716.8	1331.5	1296.6	755.9	339.1	174.6	119.4
17.5°	2655.2	2647.3	2597.7	2490.7	2276.7	1891.4	1861.0	1205.4	531.7	205.0	121.7
20°	3113.6	3103.5	3033.7	2948.0	2761.0	2433.2	2397.2	1707.8	832.5	254.6	121.7
22.5°	3663.4	3644.2	3569.9	3424.6	3227.4	2942.4	2909.7	2221.5	1205.4	335.7	127.3
25°	4328.0	4295.3	4192.8	4062.2	3824.5	3446.0	3411.0	2793.7	1654.8	458.5	132.9
27.5°	5086.1	5091.8	4953.2	4732.4	4413.6	4027.2	3961.9	3306.3	2120.1	634.2	139.7
30°	5986.2	5929.9	5735.0	5478.2	5168.4	4676.1	4613.0	3816.6	2642.8	893.3	151.0
32.5°	6828.8	6768.0	6505.5	6182.2	5849.9	5330.6	5278.8	4390.0	3118.1	1199.7	171.2
35°	7552.0	7509.2	7142.0	6747.7	6452.6	5988.5	5972.7	5029.8	3676.9	1529.8	193.8
37.5°	8188.5	8110.8	7638.8	7229.9	6930.2	6514.5	6480.7	5615.6	4215.4	1912.8	227.6
40°	8731.5	8688.7	8113.0	7575.7	7332.4	6960.6	6917.8	6129.3	4771.8	2357.8	269.2
42.5°	9312.8	9256.4	8697.7	8095.0	7646.7	7249.0	7220.9	6552.8	5267.5	2846.7	331.2
45°	9969.5	9864.7	9374.7	8834.0	8152.5	7547.5	7516.0	6930.2	5775.6	3371.6	406.7
47.5°	10671.3	10580.1	10183.5	9803.9	9019.9	8039.8	7972.2	7251.3	6280.2	3977.7	502.4
50°	11385.5	11387.8	11090.4	10907.9	10079.9	8839.6	8743.9	7723.3	6810.8	4626.5	644.4
52.5°	12216.9	12238.3	12233.8	12098.6	11456.5	10147.5	10019.1	8439.7	7427.0	5383.5	840.4
55°	12565.0	12603.3	12852.2	13151.9	12977.3	11805.7	11668.3	9675.5	8243.7	6227.3	1131.0
57.5°	12280.0	12322.8	12666.4	13191.3	13592.3	13257.8	13242.0	11284.1	9319.5	7250.1	1606.4
59°	11940.9	11935.3	12287.8	12844.3	13385.1	13602.5	13625.0	12372.3	10256.8	7967.7	2016.4
60°	11715.6	11720.1	11954.4	12525.5	13100.1	13477.4	13565.3	13013.3	10804.2	8483.7	2367.9
62.5°	10845.9	10897.7	11083.6	11614.2	12159.4	12580.7	12730.6	13584.4	12371.2	9702.5	3590.2
65°	9900.8	9904.2	10168.9	10622.9	11145.6	11441.8	11536.5	12695.6	13417.7	10943.9	5193.2
67.5°	8214.4	8283.1	8583.9	9319.5	10010.1	10385.2	10457.3	11051.0	12984.0	11752.8	5996.4
70°	5748.5	5838.6	6267.8	7222.0	8250.5	8866.7	8862.2	9186.6	11427.2	11392.3	5083.9
72.5°	2870.3	3025.8	3376.1	4397.9	5643.8	6611.4	6815.3	7389.8	9179.8	9462.6	3792.9
75°	1268.4	1277.4	1476.8	1991.6	2805.0	4034.0	4216.5	5865.7	7042.9	6576.5	2739.6
77.5°	737.9	744.6	780.7	894.4	1136.6	1977.0	2182.0	3847.0	4976.9	3822.2	1786.6
80°	268.1	274.9	273.7	339.1	497.9	778.4	867.4	1864.4	3319.8	2013.1	936.1
82.5°	164.5	164.5	158.8	160.0	181.4	298.5	326.7	794.2	1616.5	991.3	268.1
85°	81.1	85.6	91.2	102.5	121.7	147.6	156.6	227.6	544.1	239.9	64.2
87.5°	48.4	49.6	54.1	65.3	81.1	105.9	112.6	154.3	194.9	161.1	15.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1065794

CATALOG NUMBER: NVN-SA4B-730-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
2.5°	107.0	105.9	100.3	95.8	91.2	86.7	83.4	80.0	80.0	81.1	80.0
5°	107.0	102.5	93.5	85.6	78.9	73.2	67.6	63.1	62.0	62.0	63.1
7.5°	105.9	100.3	87.9	77.7	68.7	60.8	55.2	49.6	48.4	49.6	48.4
10°	104.8	98.0	83.4	71.0	58.6	50.7	42.8	37.2	37.2	37.2	38.3
12.5°	104.8	94.6	78.9	64.2	50.7	41.7	33.8	28.2	27.0	27.0	27.0
15°	103.6	92.4	74.3	56.3	42.8	31.5	24.8	19.2	19.2	19.2	19.2
17.5°	101.4	89.0	68.7	49.6	33.8	23.7	16.9	11.3	11.3	13.5	13.5
20°	99.1	85.6	62.0	40.6	28.2	18.0	11.3	6.8	6.8	10.1	11.3
22.5°	100.3	85.6	57.5	36.0	22.5	13.5	9.0	5.6	4.5	7.9	10.1
25°	101.4	83.4	51.8	31.5	16.9	10.1	6.8	2.3	1.1	2.3	3.4
27.5°	101.4	81.1	45.1	24.8	12.4	7.9	3.4	0.0	0.0	0.0	0.0
30°	100.3	77.7	39.4	20.3	9.0	4.5	1.1	0.0	0.0	0.0	0.0
32.5°	99.1	74.3	36.0	15.8	7.9	2.3	0.0	0.0	0.0	0.0	0.0
35°	100.3	69.8	31.5	12.4	4.5	0.0	0.0	0.0	0.0	0.0	2.3
37.5°	103.6	65.3	27.0	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	108.1	62.0	22.5	7.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	117.2	62.0	20.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	128.4	62.0	16.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	143.1	63.1	14.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	161.1	65.3	13.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	174.6	63.1	12.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	198.3	60.8	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	229.8	57.5	11.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	261.3	52.9	11.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	297.4	50.7	10.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	491.2	45.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	948.5	42.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1533.2	42.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1612.0	42.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1072.4	34.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	574.5	31.5	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	309.8	29.3	4.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	136.3	21.4	5.6	3.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	54.1	14.6	6.8	5.6	4.5	2.3	0.0	0.0	0.0	0.0	0.0
85°	25.9	11.3	9.0	7.9	5.6	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	12.4	11.3	10.1	9.0	7.9	5.6	1.1	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

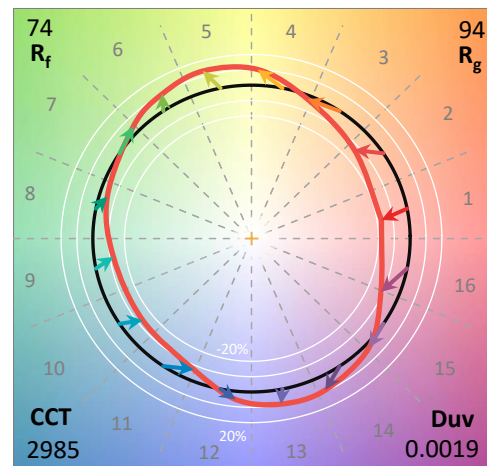
Test Information

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

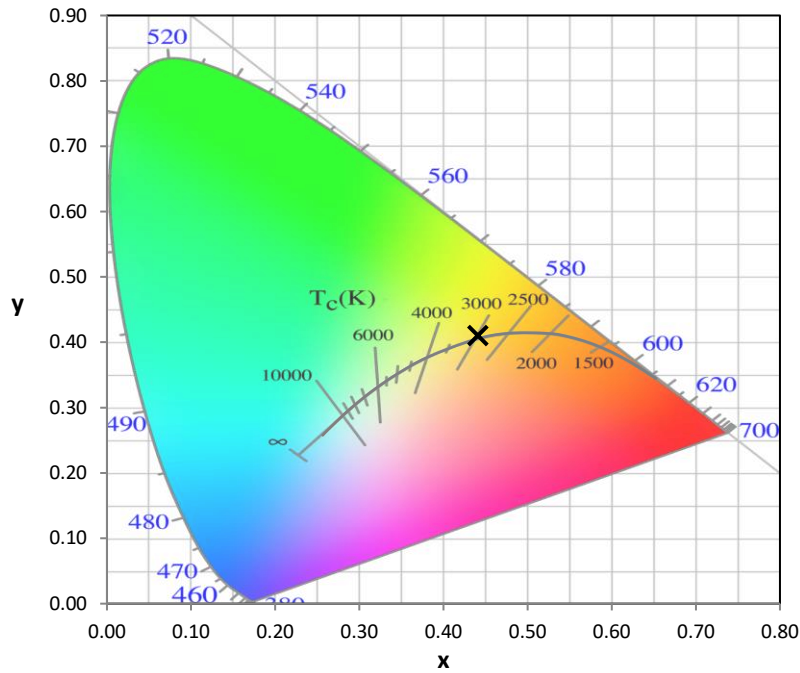
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

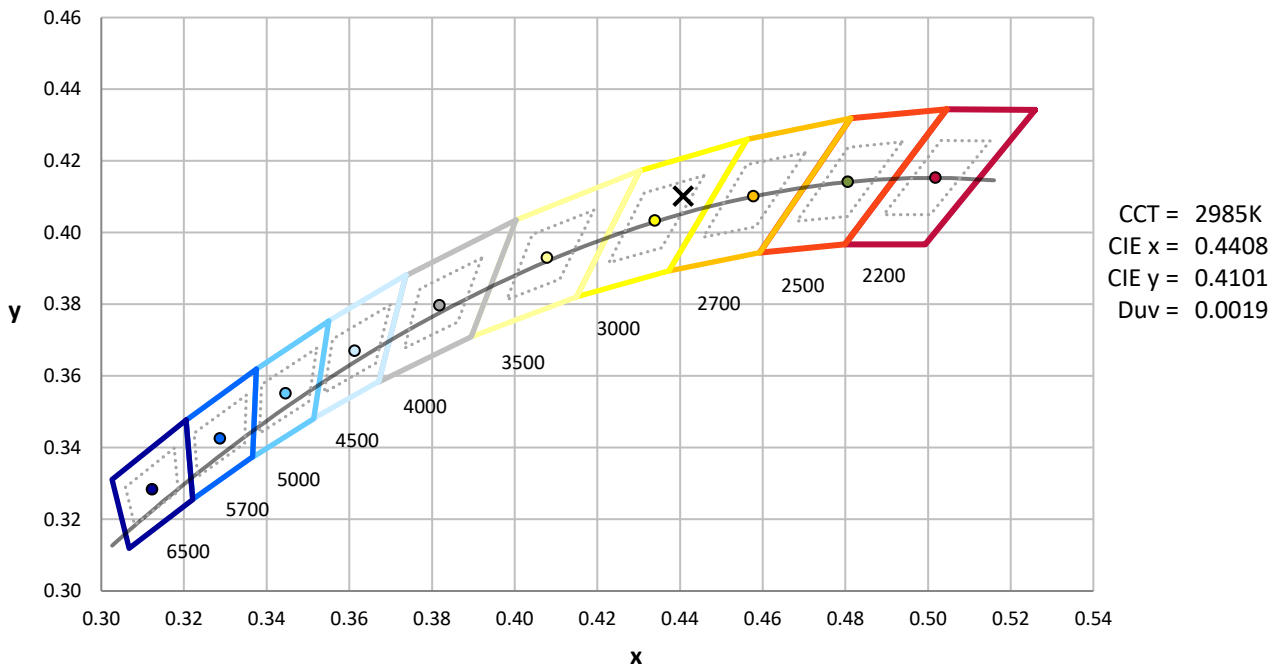
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



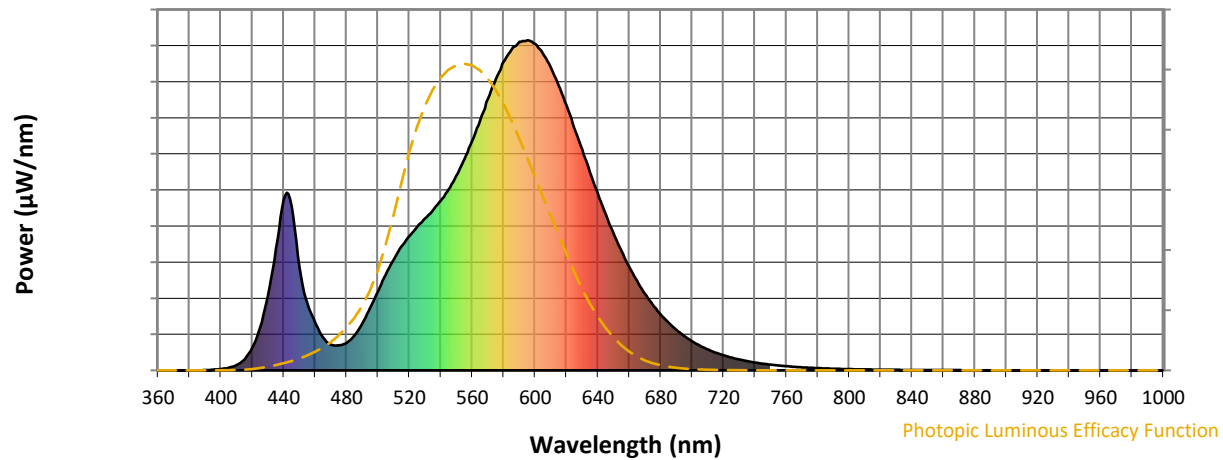
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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 $\text{W}^\wedge/\text{nm}$	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

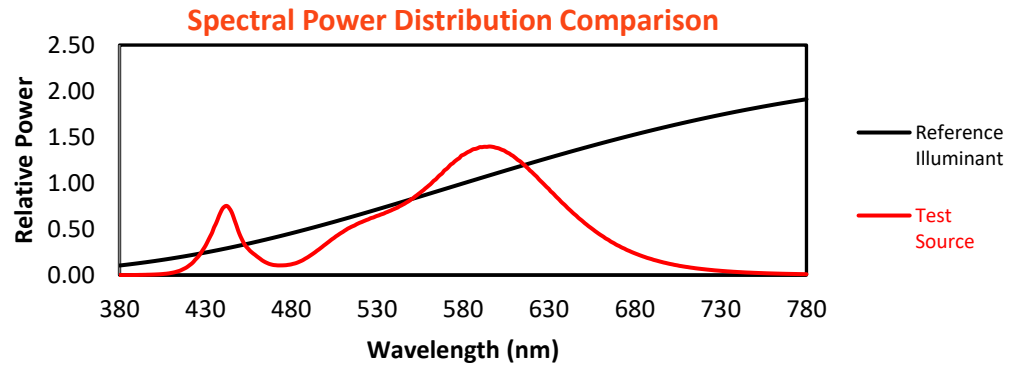
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803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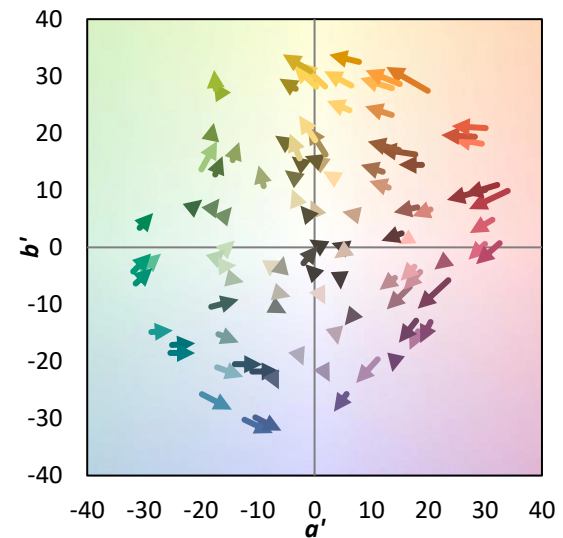
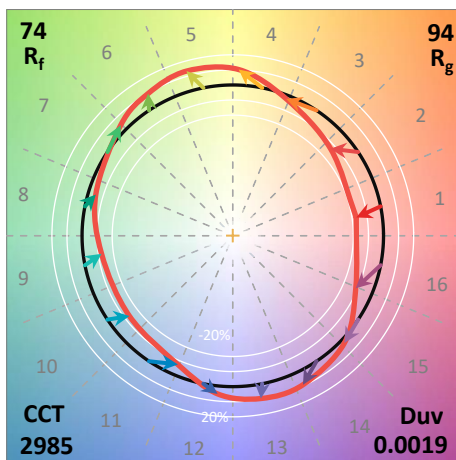
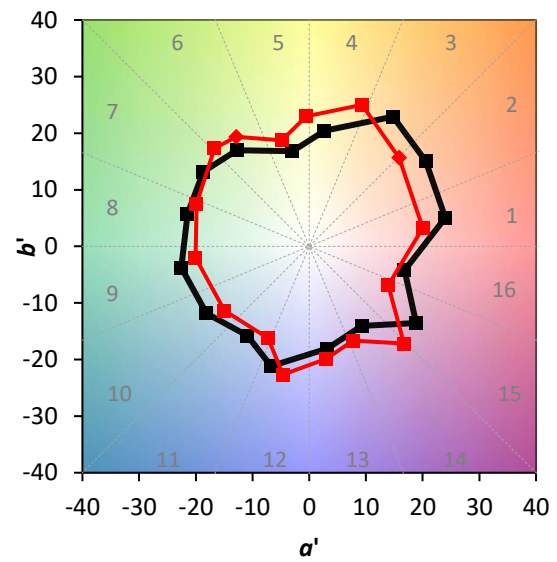
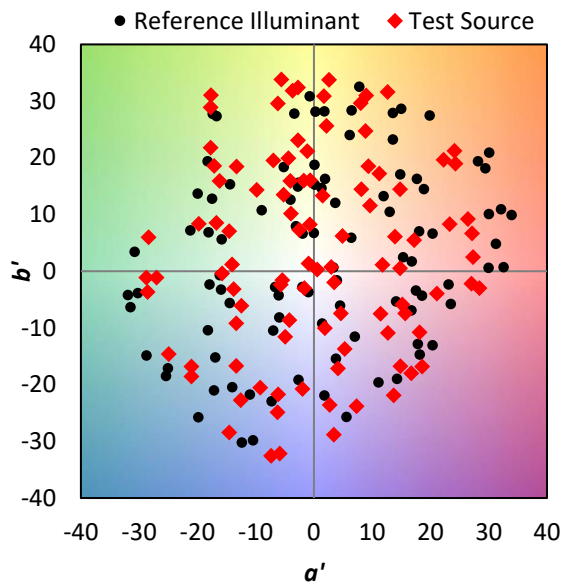
TM-30-18

Summary

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

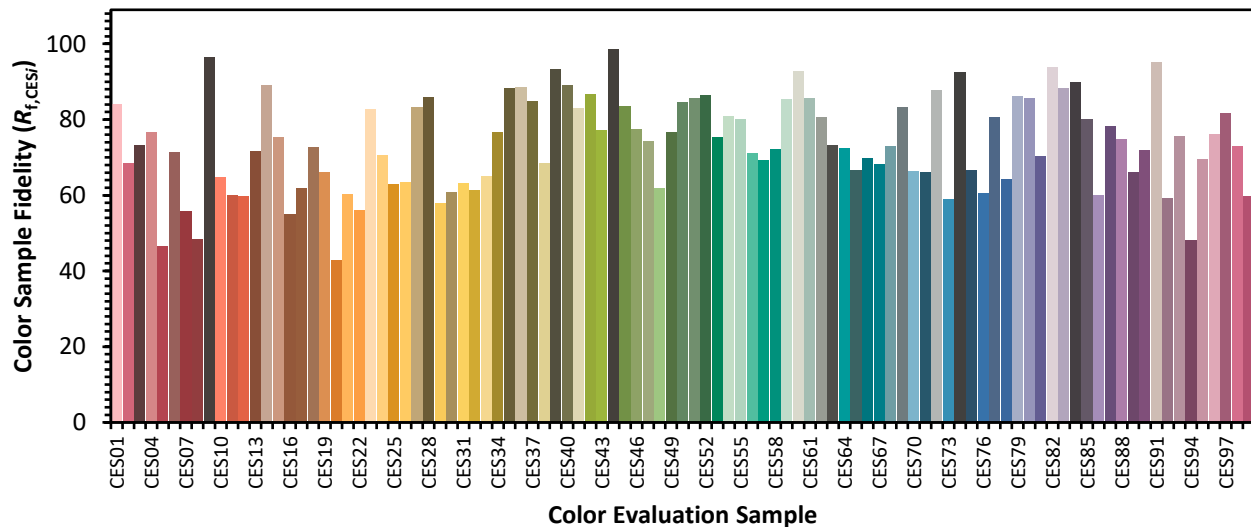


Color Vector Graphics

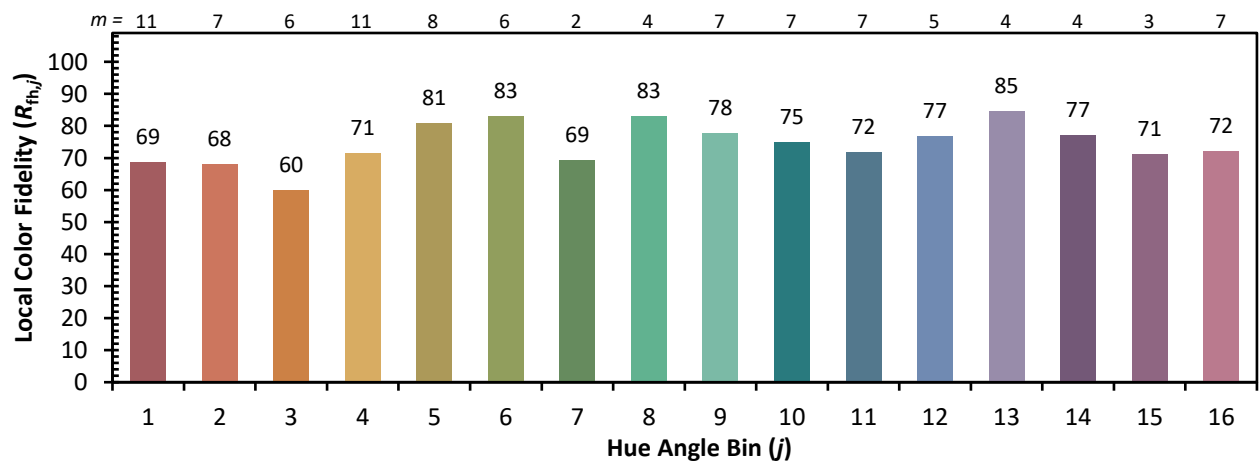
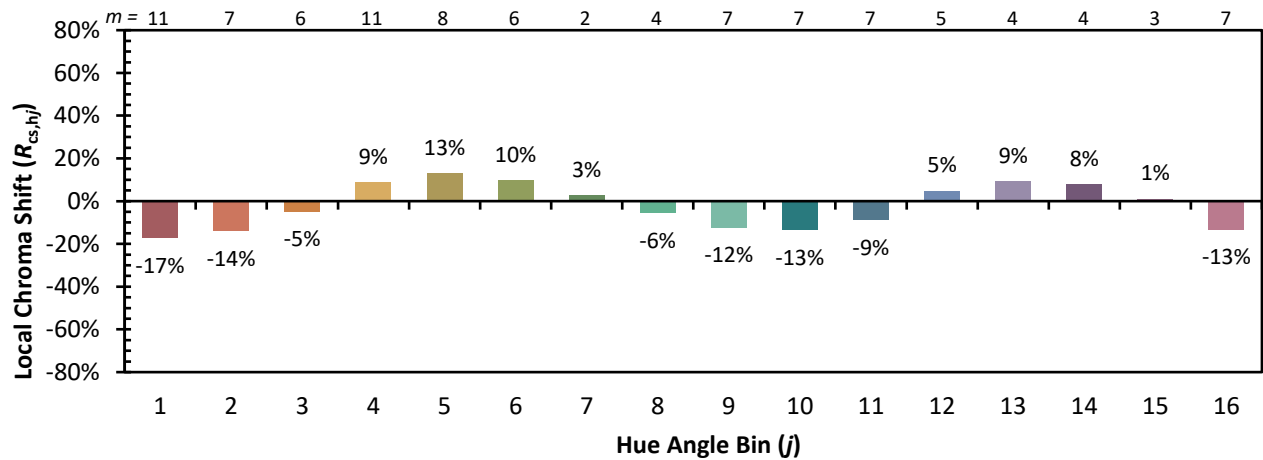


Individual Sample Fidelity Index ($R_{f,i}$)

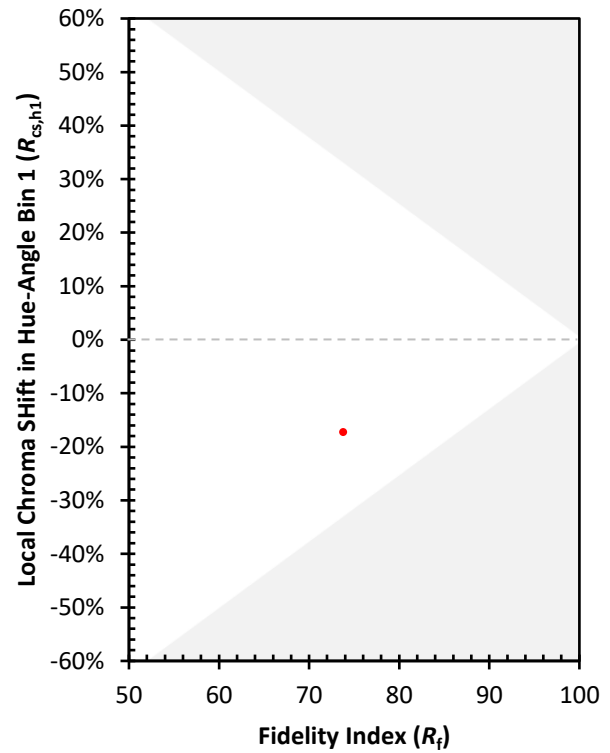
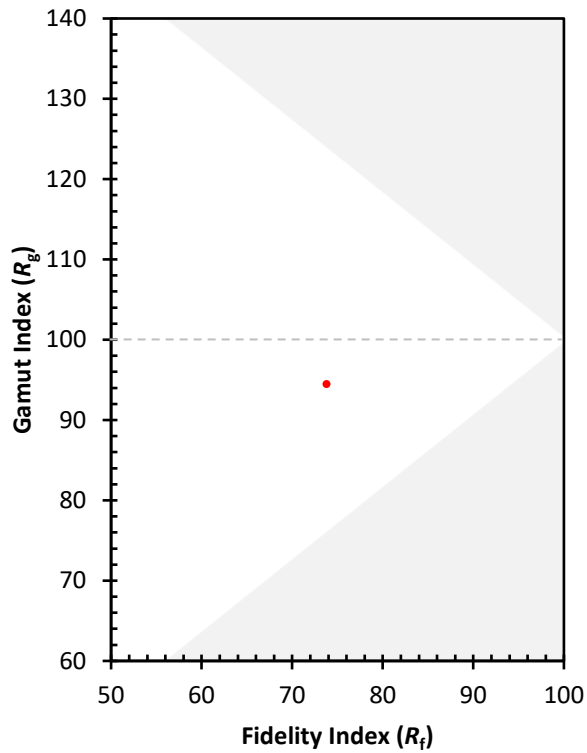
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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