

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: P1065788

Luminaire Tested: **NVN-SA2D-730-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065788
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA2D-730-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (28) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11675.4 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107
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

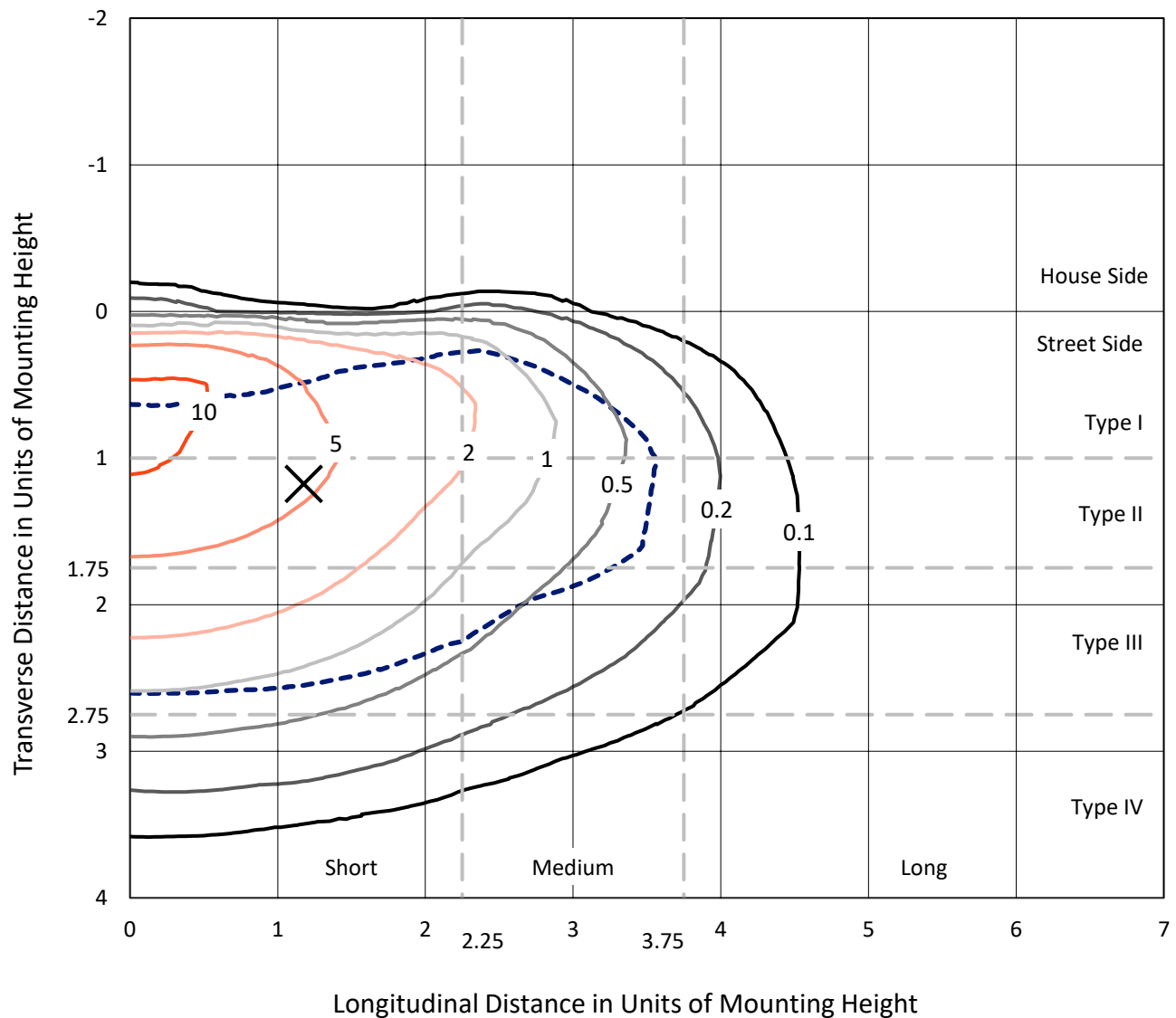


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CATALOG NUMBER: NVN-SA2D-730-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

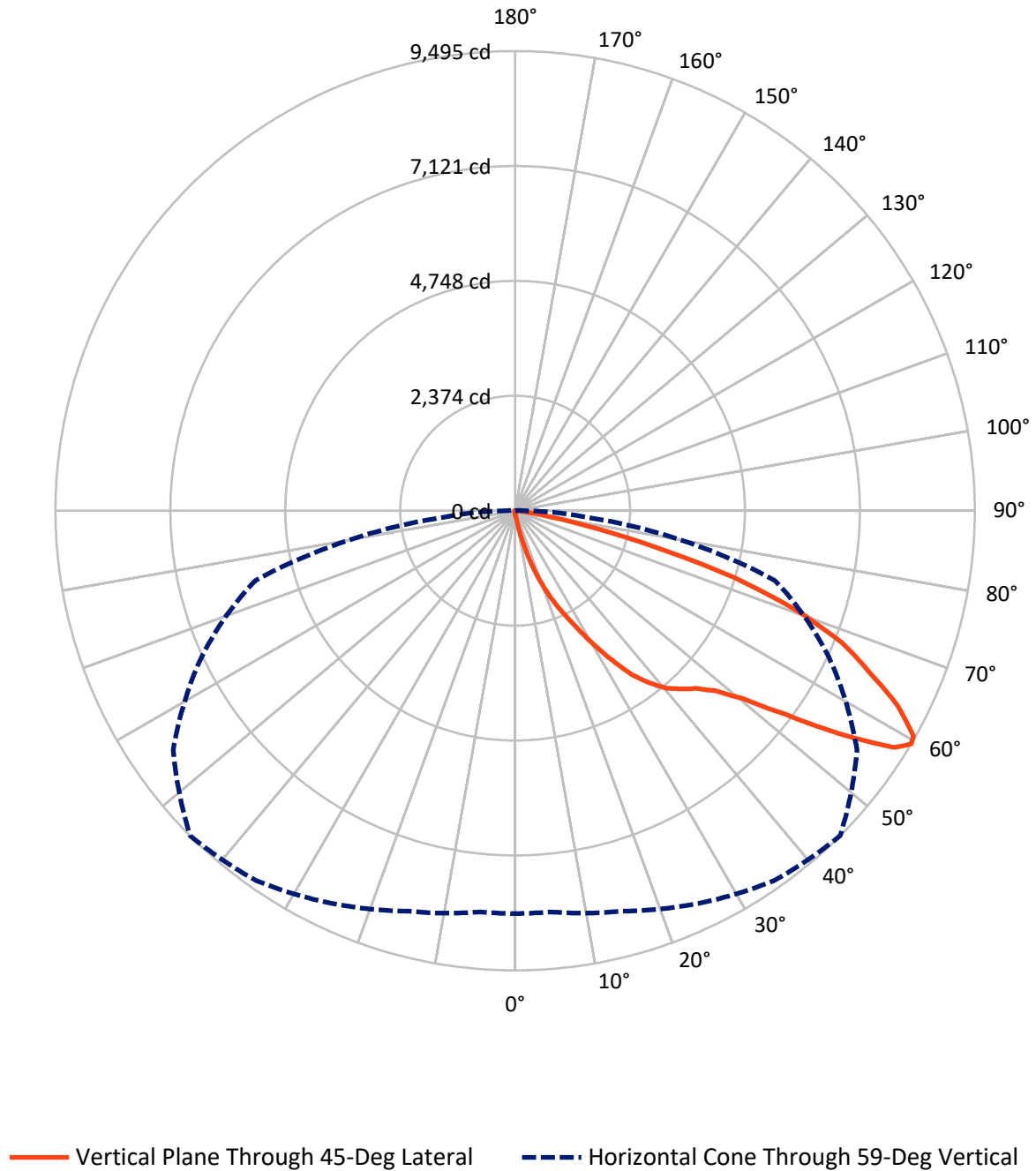


Based on 15 foot mounting height. Maximum calculated value = 12.7 fc
 Type III - Short - N/A

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CATALOG NUMBER: NVN-SA2D-730-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	41.5	0.0	41.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	11634.0	0.0	11634.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	11675.4	0.0	11675.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.1
10°-20°	129.0	1.1
20°-30°	463.7	4.0
30°-40°	1077.5	9.2
40°-50°	1836.5	15.7
50°-60°	3026.0	25.9
60°-70°	3498.8	30.0
70°-80°	1503.2	12.9
80°-90°	129.9	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°	11675.4	100.0
0°-180°	11675.4	100.0



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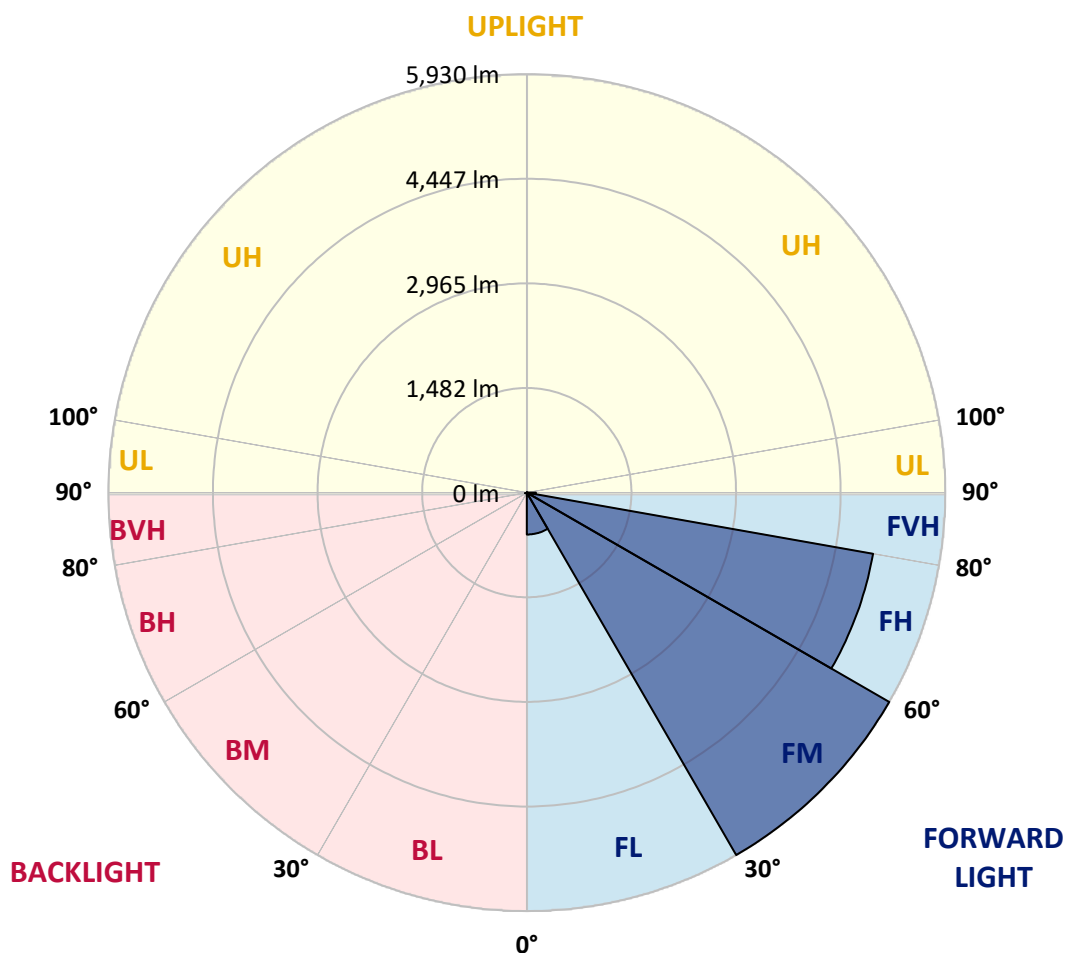
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	593.4	5.1			
FM	(30°-60°)	5930.0	50.8			
FH	(60°-80°)	4982.4	42.7			G2/5000
FVH	(80°-90°)	128.2	1.1			G2/225
BL	(0°-30°)	10.2	0.1	B0/110		
BM	(30°-60°)	10.0	0.1	B0/220		
BH	(60°-80°)	19.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	95.8	95.8	93.4	90.3	89.5	87.1	87.1	84.8	81.6	79.3	76.2
5°	139.0	138.2	131.9	124.0	113.8	107.6	107.6	98.9	91.1	84.0	77.7
7.5°	303.8	296.8	274.0	236.3	186.8	153.9	151.5	123.3	104.4	90.3	78.5
10°	697.1	672.8	640.6	550.3	406.7	284.2	278.7	179.8	124.8	97.3	80.1
12.5°	1142.3	1161.9	1097.5	955.4	787.4	585.7	546.4	303.0	164.9	106.8	81.6
15°	1547.3	1542.6	1506.5	1390.3	1196.4	927.9	903.6	526.8	236.3	121.7	83.2
17.5°	1850.4	1844.9	1810.3	1735.8	1586.6	1318.1	1296.9	840.0	370.5	142.9	84.8
20°	2169.9	2162.8	2114.2	2054.5	1924.2	1695.7	1670.6	1190.1	580.2	177.4	84.8
22.5°	2553.0	2539.7	2487.8	2386.6	2249.2	2050.6	2027.8	1548.1	840.0	233.9	88.7
25°	3016.2	2993.4	2922.0	2830.9	2665.3	2401.5	2377.2	1946.9	1153.2	319.5	92.6
27.5°	3544.5	3548.5	3451.9	3298.0	3075.9	2806.6	2761.0	2304.1	1477.5	442.0	97.3
30°	4171.8	4132.5	3996.7	3817.7	3601.8	3258.8	3214.8	2659.8	1841.7	622.6	105.2
32.5°	4759.0	4716.6	4533.7	4308.4	4076.8	3714.9	3678.8	3059.4	2173.0	836.1	119.3
35°	5263.0	5233.2	4977.3	4702.5	4496.8	4173.4	4162.4	3505.3	2562.4	1066.1	135.0
37.5°	5706.6	5652.4	5323.5	5038.5	4829.7	4540.0	4516.4	3913.5	2937.7	1333.0	158.6
40°	6085.0	6055.1	5654.0	5279.5	5109.9	4850.9	4821.0	4271.5	3325.5	1643.1	187.6
42.5°	6490.1	6450.8	6061.4	5641.4	5329.0	5051.8	5032.2	4566.7	3670.9	1983.8	230.8
45°	6947.8	6874.7	6533.2	6156.4	5681.5	5259.9	5237.9	4829.7	4025.0	2349.7	283.4
47.5°	7436.9	7373.3	7096.9	6832.4	6286.0	5603.0	5555.9	5053.4	4376.7	2772.0	350.1
50°	7934.6	7936.1	7728.9	7601.7	7024.7	6160.3	6093.6	5382.4	4746.5	3224.2	449.1
52.5°	8513.9	8528.9	8525.7	8431.5	7984.0	7071.8	6982.3	5881.7	5175.9	3751.8	585.7
55°	8756.5	8783.2	8956.7	9165.5	9043.9	8227.4	8131.6	6742.9	5745.1	4339.8	788.2
57.5°	8557.9	8587.7	8827.2	9193.0	9472.5	9239.3	9228.4	7863.9	6494.8	5052.6	1119.5
59°	8321.6	8317.7	8563.4	8951.2	9328.1	9479.6	9495.3	8622.3	7147.9	5552.7	1405.3
60°	8164.6	8167.7	8331.0	8729.1	9129.4	9392.4	9453.7	9069.0	7529.5	5912.3	1650.2
62.5°	7558.5	7594.6	7724.2	8093.9	8473.9	8767.5	8871.9	9467.0	8621.5	6761.7	2502.0
65°	6899.9	6902.2	7086.7	7403.1	7767.4	7973.8	8039.8	8847.6	9350.8	7626.8	3619.1
67.5°	5724.6	5772.5	5982.1	6494.8	6976.0	7237.4	7287.7	7701.4	9048.6	8190.5	4178.9
70°	4006.1	4069.0	4368.1	5033.0	5749.8	6179.2	6176.0	6402.1	7963.6	7939.3	3543.0
72.5°	2000.3	2108.7	2352.8	3064.9	3933.1	4607.5	4749.6	5150.0	6397.4	6594.5	2643.3
75°	884.0	890.3	1029.2	1388.0	1954.8	2811.3	2938.5	4087.8	4908.2	4583.2	1909.3
77.5°	514.2	518.9	544.0	623.3	792.1	1377.8	1520.7	2681.0	3468.4	2663.7	1245.1
80°	186.8	191.6	190.8	236.3	347.0	542.5	604.5	1299.3	2313.6	1402.9	652.4
82.5°	114.6	114.6	110.7	111.5	126.4	208.0	227.7	553.5	1126.6	690.9	186.8
85°	56.5	59.7	63.6	71.4	84.8	102.8	109.1	158.6	379.2	167.2	44.7
87.5°	33.8	34.5	37.7	45.5	56.5	73.8	78.5	107.6	135.8	112.3	11.0
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-SA2D-730-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	74.6	73.8	69.9	66.7	63.6	60.4	58.1	55.7	55.7	56.5	55.7
5°	74.6	71.4	65.2	59.7	55.0	51.0	47.1	44.0	43.2	43.2	44.0
7.5°	73.8	69.9	61.2	54.2	47.9	42.4	38.5	34.5	33.8	34.5	33.8
10°	73.0	68.3	58.1	49.5	40.8	35.3	29.8	25.9	25.9	25.9	26.7
12.5°	73.0	65.9	55.0	44.7	35.3	29.0	23.6	19.6	18.8	18.8	18.8
15°	72.2	64.4	51.8	39.3	29.8	22.0	17.3	13.3	13.3	13.3	13.3
17.5°	70.7	62.0	47.9	34.5	23.6	16.5	11.8	7.9	7.9	9.4	9.4
20°	69.1	59.7	43.2	28.3	19.6	12.6	7.9	4.7	4.7	7.1	7.9
22.5°	69.9	59.7	40.0	25.1	15.7	9.4	6.3	3.9	3.1	5.5	7.1
25°	70.7	58.1	36.1	22.0	11.8	7.1	4.7	1.6	0.8	1.6	2.4
27.5°	70.7	56.5	31.4	17.3	8.6	5.5	2.4	0.0	0.0	0.0	0.0
30°	69.9	54.2	27.5	14.1	6.3	3.1	0.8	0.0	0.0	0.0	0.0
32.5°	69.1	51.8	25.1	11.0	5.5	1.6	0.0	0.0	0.0	0.0	0.0
35°	69.9	48.7	22.0	8.6	3.1	0.0	0.0	0.0	0.0	0.0	1.6
37.5°	72.2	45.5	18.8	7.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	75.4	43.2	15.7	5.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	81.6	43.2	14.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	89.5	43.2	11.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	99.7	44.0	10.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	112.3	45.5	9.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	121.7	44.0	8.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	138.2	42.4	7.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	160.2	40.0	7.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	182.1	36.9	7.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	207.3	35.3	7.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	342.3	31.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	661.0	29.8	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1068.5	29.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1123.4	29.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	747.4	24.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	400.4	22.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	215.9	20.4	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	95.0	14.9	3.9	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	37.7	10.2	4.7	3.9	3.1	1.6	0.0	0.0	0.0	0.0	0.0
85°	18.1	7.9	6.3	5.5	3.9	2.4	0.0	0.0	0.0	0.0	0.0
87.5°	8.6	7.9	7.1	6.3	5.5	3.9	0.8	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

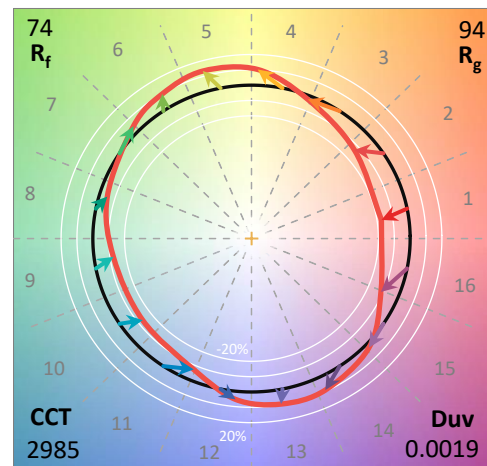
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

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	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

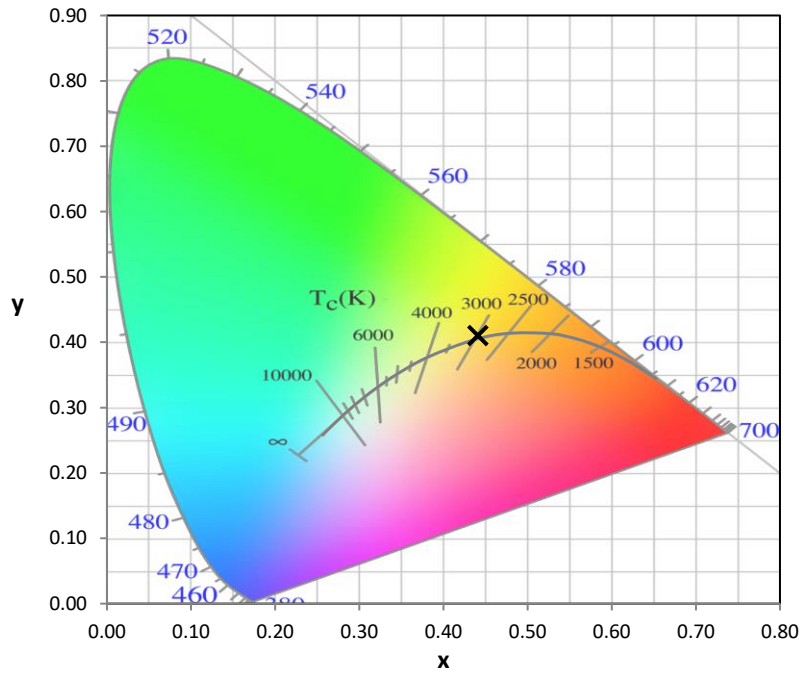
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

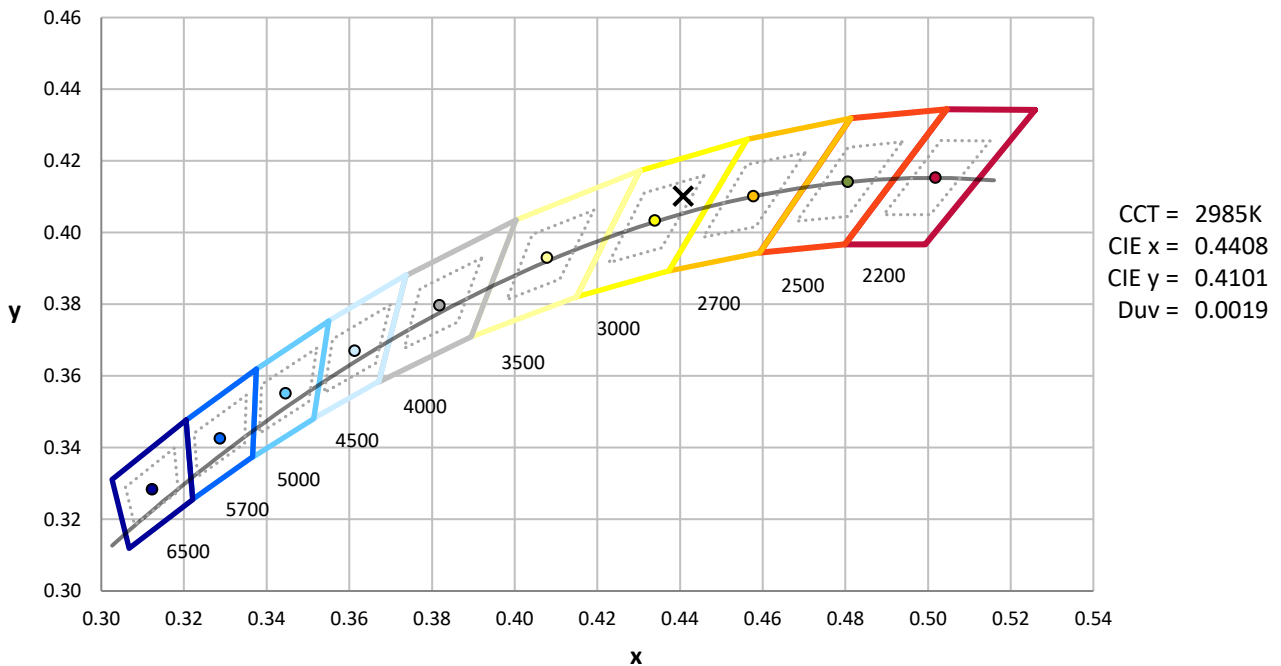
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



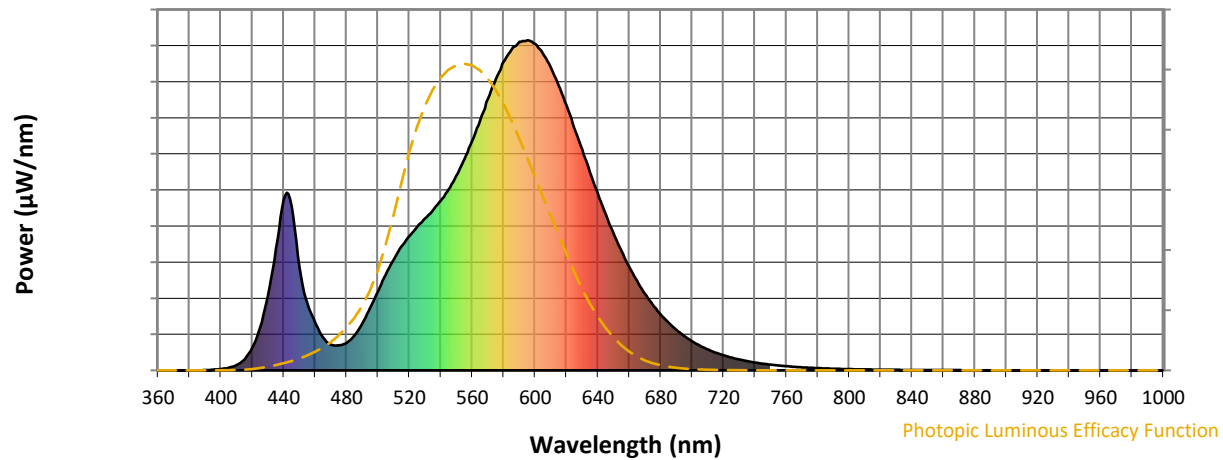
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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

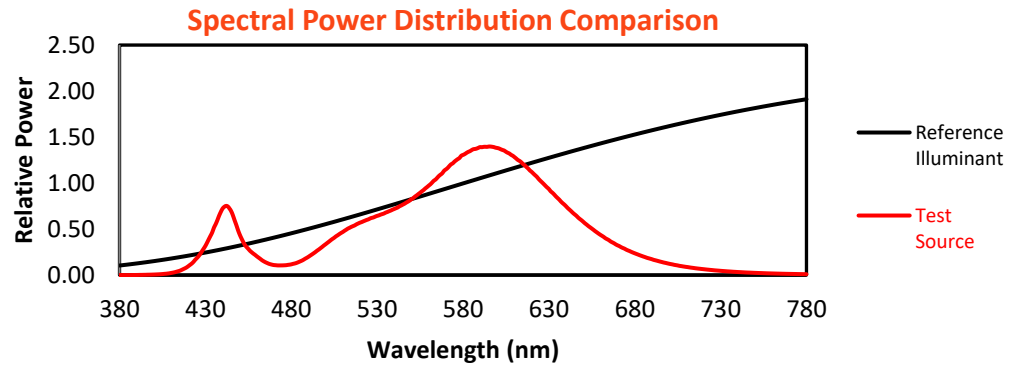
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803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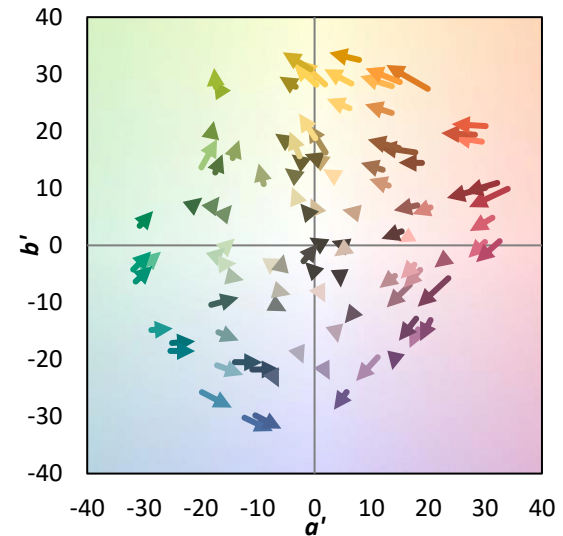
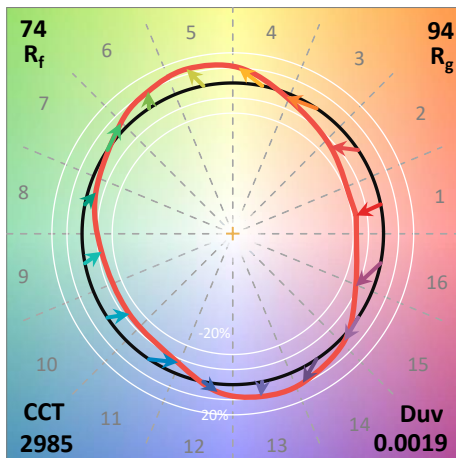
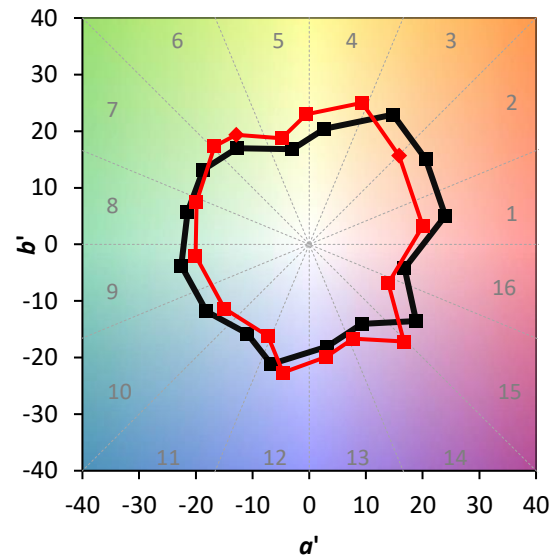
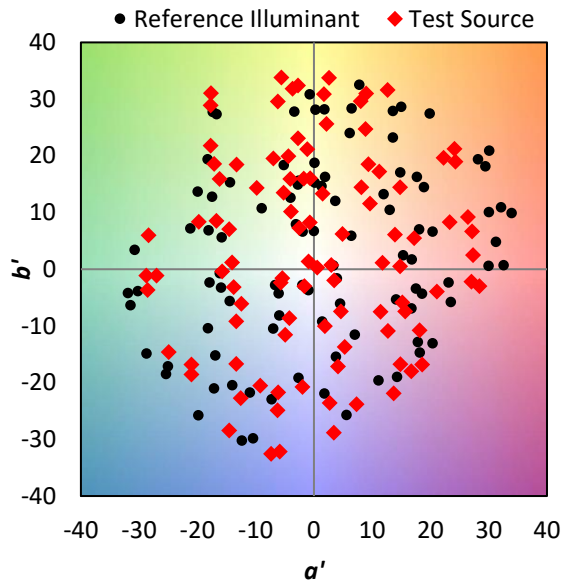
TM-30-18

Summary

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

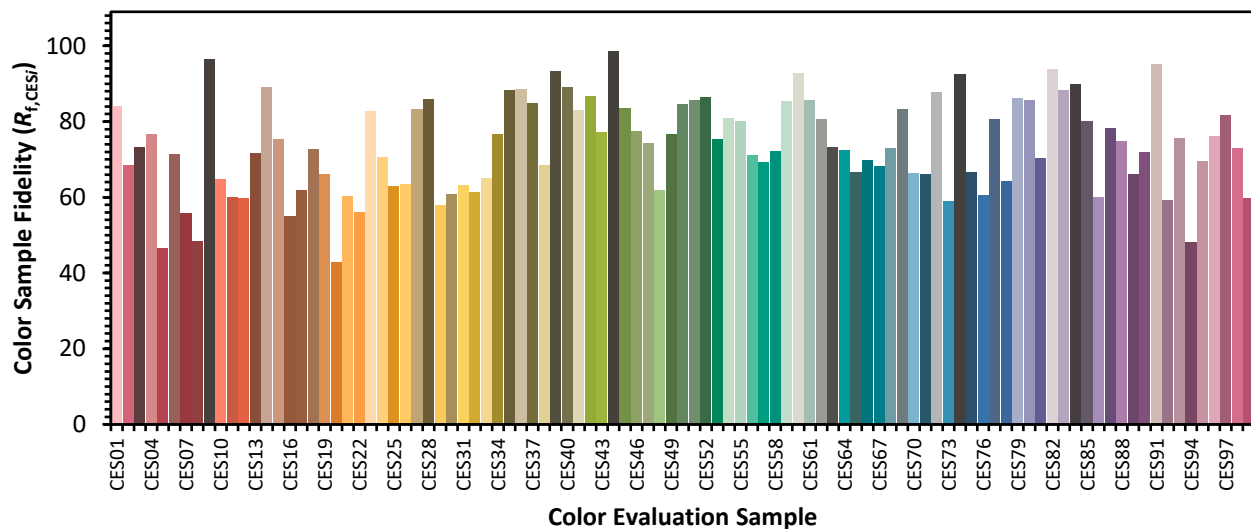


Color Vector Graphics

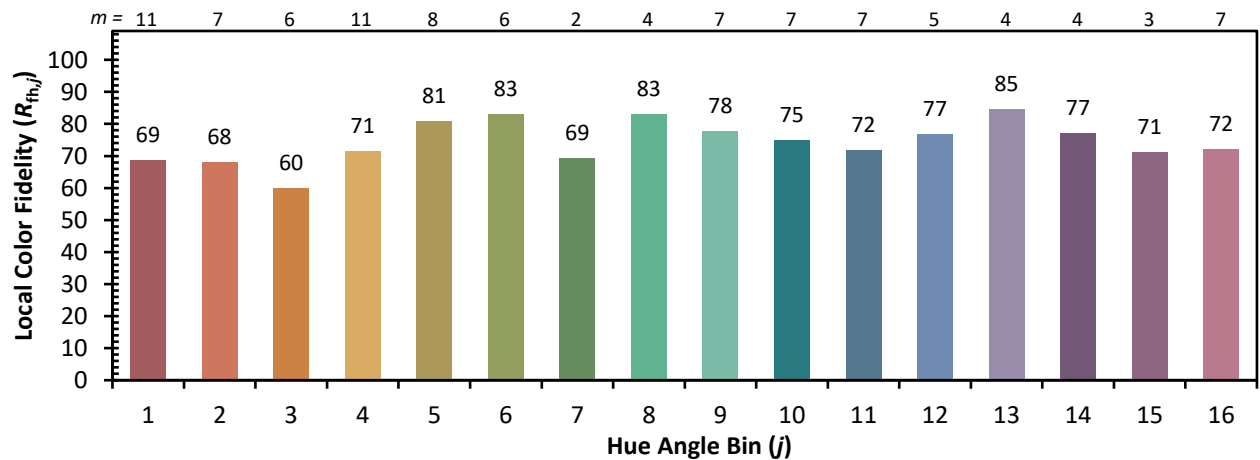
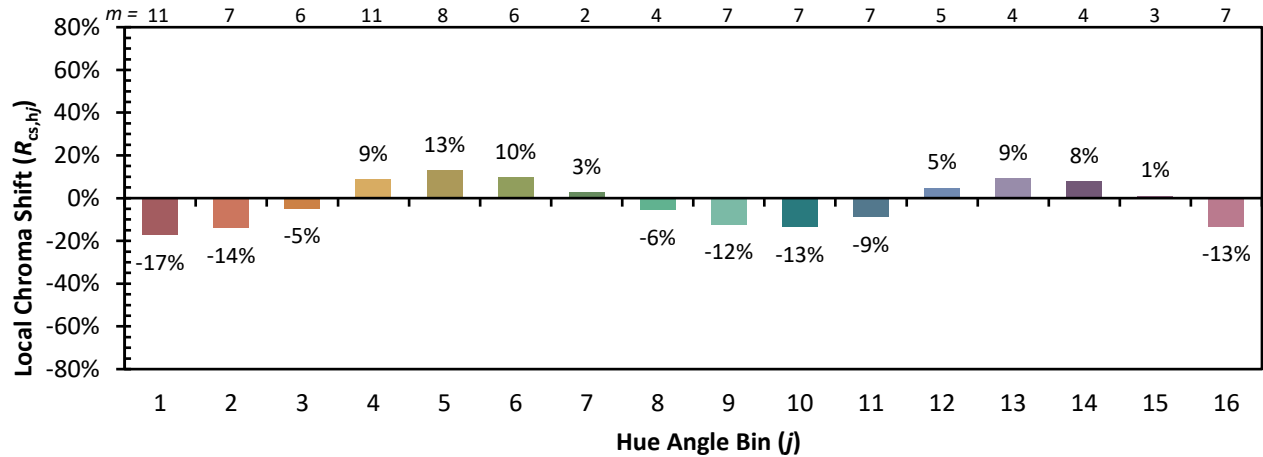


Individual Sample Fidelity Index ($R_{f,i}$)

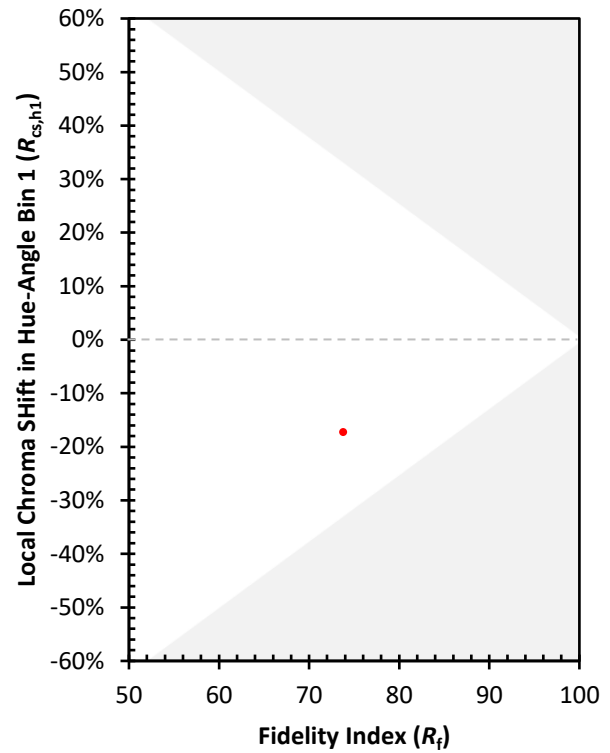
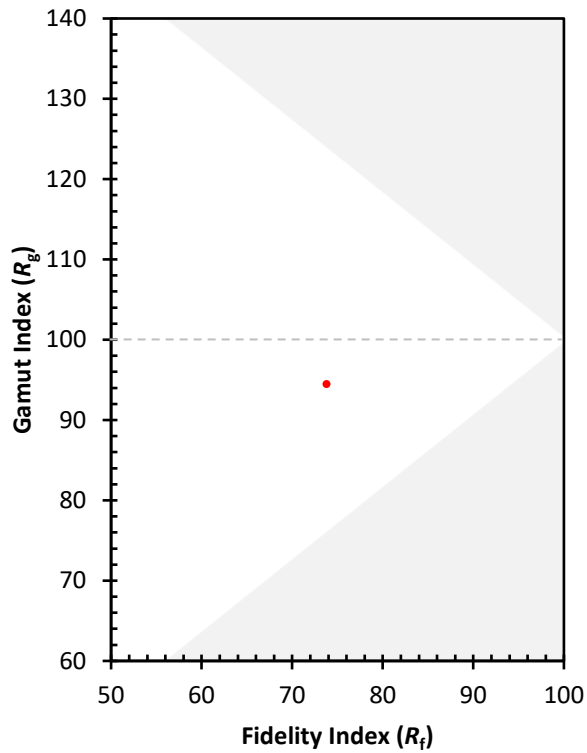
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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