

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: P1065768

Luminaire Tested: **NVN-SA3D-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065768
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3D-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 3xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15946.7 lumens
Efficiency: N/A
Efficacy: 99.1 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): 160.9
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

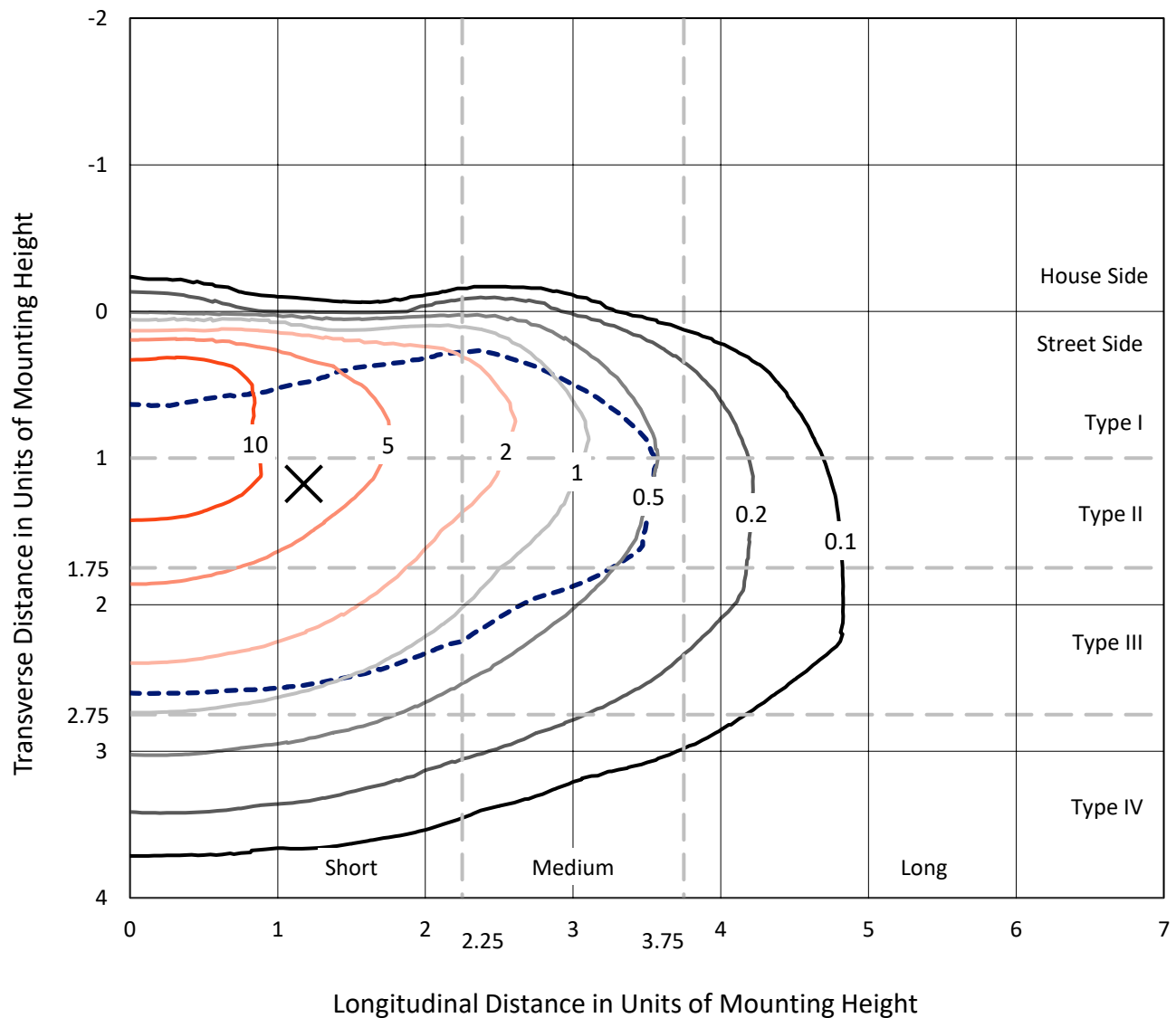


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CATALOG NUMBER: NVN-SA3D-727-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

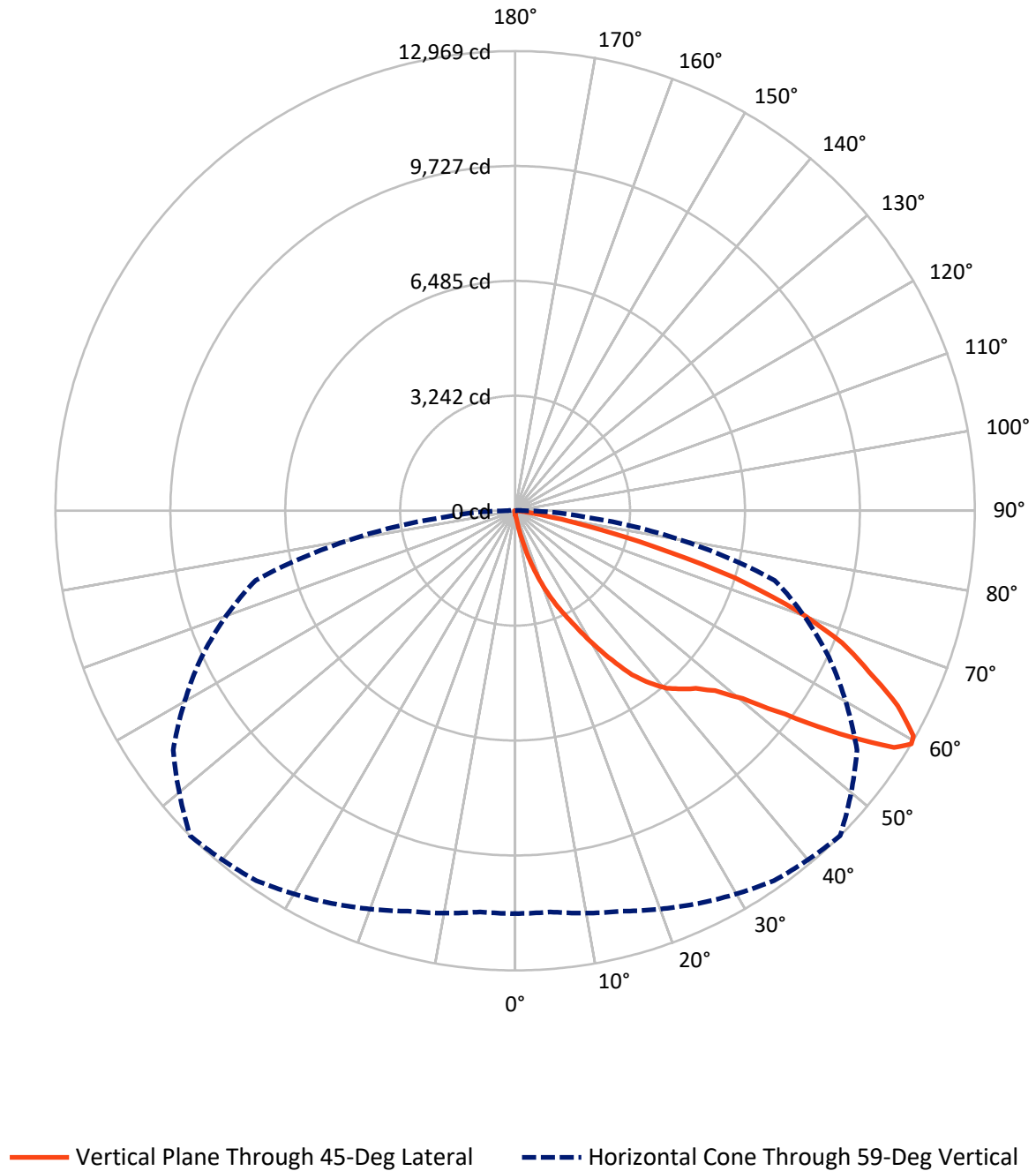


Based on 15 foot mounting height. Maximum calculated value = 17.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	56.6	0.0	56.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	15890.1	0.0	15890.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	15946.7	0.0	15946.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.1
10°-20°	176.3	1.1
20°-30°	633.3	4.0
30°-40°	1471.7	9.2
40°-50°	2508.3	15.7
50°-60°	4133.1	25.9
60°-70°	4778.7	30.0
70°-80°	2053.1	12.9
80°-90°	177.4	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°	15946.7	100.0
0°-180°	15946.7	100.0



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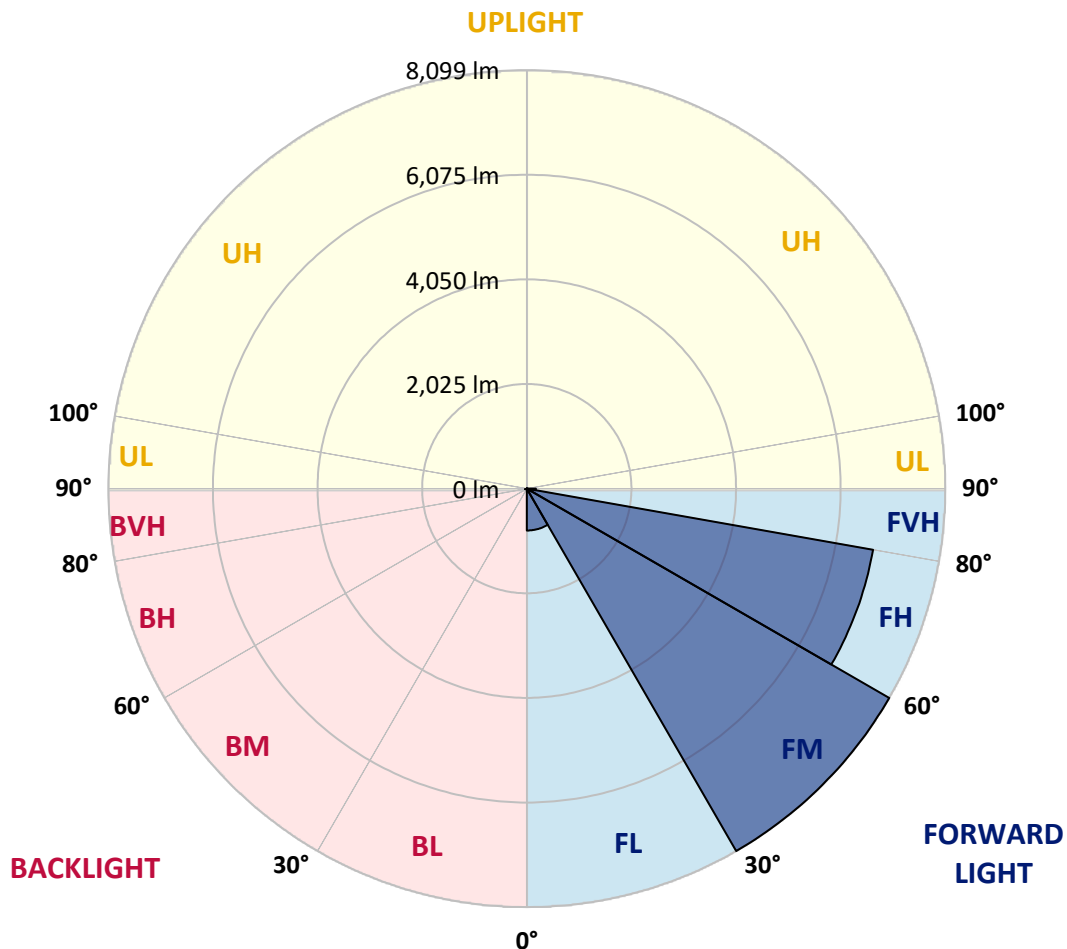
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	810.4	5.1			
FM	(30°-60°)	8099.4	50.8			
FH	(60°-80°)	6805.2	42.7			G3/7500
FVH	(80°-90°)	175.1	1.1			G2/225
BL	(0°-30°)	14.0	0.1	B0/110		
BM	(30°-60°)	13.7	0.1	B0/220		
BH	(60°-80°)	26.6	0.2	B0/110		G0/110
BVH	(80°-90°)	2.3	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°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
2.5°	130.8	130.8	127.6	123.3	122.2	119.0	119.0	115.8	111.5	108.3	104.0
5°	189.8	188.7	180.1	169.4	155.5	146.9	146.9	135.1	124.4	114.7	106.2
7.5°	415.0	405.3	374.2	322.8	255.2	210.2	206.9	168.3	142.6	123.3	107.2
10°	952.2	918.9	875.0	751.7	555.4	388.2	380.7	245.5	170.5	133.0	109.4
12.5°	1560.1	1586.9	1499.0	1304.9	1075.5	799.9	746.3	413.9	225.2	145.8	111.5
15°	2113.4	2107.0	2057.7	1899.0	1634.1	1267.4	1234.2	719.5	322.8	166.2	113.7
17.5°	2527.3	2519.8	2472.6	2370.8	2167.0	1800.3	1771.4	1147.3	506.1	195.2	115.8
20°	2963.7	2954.1	2887.6	2806.1	2628.1	2316.1	2281.8	1625.6	792.4	242.3	115.8
22.5°	3487.0	3468.8	3398.0	3259.7	3072.0	2800.8	2769.7	2114.5	1147.3	319.5	121.2
25°	4119.6	4088.5	3991.0	3866.6	3640.3	3280.1	3246.8	2659.2	1575.2	436.4	126.5
27.5°	4841.3	4846.6	4714.7	4504.6	4201.1	3833.3	3771.2	3147.1	2018.0	603.7	133.0
30°	5698.0	5644.4	5458.9	5214.4	4919.5	4451.0	4390.9	3632.8	2515.5	850.3	143.7
32.5°	6500.1	6442.2	6192.3	5884.6	5568.3	5073.9	5024.6	4178.6	2968.0	1142.0	163.0
35°	7188.5	7147.7	6798.1	6422.9	6141.9	5700.2	5685.1	4787.7	3499.9	1456.1	184.4
37.5°	7794.3	7720.3	7271.0	6881.8	6596.6	6200.9	6168.7	5345.2	4012.4	1820.7	216.6
40°	8311.1	8270.4	7722.4	7211.0	6979.4	6625.5	6584.8	5834.2	4542.1	2244.2	256.3
42.5°	8864.4	8810.8	8278.9	7705.3	7278.5	6900.0	6873.2	6237.4	5013.9	2709.6	315.2
45°	9489.5	9389.8	8923.4	8408.7	7760.0	7184.2	7154.1	6596.6	5497.5	3209.3	387.1
47.5°	10157.6	10070.7	9693.3	9331.9	8585.6	7652.7	7588.4	6902.2	5977.9	3786.2	478.2
50°	10837.4	10839.5	10556.4	10382.7	9594.6	8414.1	8322.9	7351.4	6482.9	4403.8	613.3
52.5°	11628.7	11649.1	11644.8	11516.1	10904.9	9658.9	9536.7	8033.4	7069.4	5124.3	799.9
55°	11960.0	11996.5	12233.5	12518.7	12352.5	11237.3	11106.5	9209.7	7846.8	5927.5	1076.6
57.5°	11688.7	11729.5	12056.5	12556.2	12937.9	12619.5	12604.5	10740.9	8870.8	6901.1	1529.0
59°	11366.0	11360.6	11696.2	12225.9	12740.6	12947.6	12969.0	11776.7	9763.0	7584.1	1919.4
60°	11151.5	11155.8	11378.9	11922.5	12469.4	12828.6	12912.2	12386.8	10284.1	8075.2	2253.9
62.5°	10323.8	10373.1	10550.0	11055.0	11574.0	11975.0	12117.6	12930.4	11775.6	9235.4	3417.3
65°	9424.1	9427.3	9679.3	10111.4	10609.0	10891.0	10981.0	12084.4	12771.7	10417.0	4943.1
67.5°	7818.9	7884.4	8170.6	8870.8	9528.1	9885.2	9953.8	10518.9	12358.9	11186.9	5707.7
70°	5471.8	5557.5	5966.1	6874.3	7853.3	8439.8	8435.5	8744.3	10877.0	10843.8	4839.1
72.5°	2732.1	2880.1	3213.6	4186.1	5372.0	6293.1	6487.2	7034.0	8737.9	9007.0	3610.3
75°	1207.4	1215.9	1405.7	1895.8	2669.9	3839.8	4013.5	5583.3	6703.8	6259.9	2607.7
77.5°	702.3	708.8	743.1	851.4	1081.9	1881.8	2077.0	3661.8	4737.3	3638.2	1700.6
80°	255.2	261.6	260.6	322.8	473.9	740.9	825.6	1774.6	3160.0	1916.1	891.1
82.5°	156.6	156.6	151.2	152.3	172.6	284.1	311.0	755.9	1538.7	943.6	255.2
85°	77.2	81.5	86.9	97.6	115.8	140.5	149.0	216.6	517.9	228.4	61.1
87.5°	46.1	47.2	51.5	62.2	77.2	100.8	107.2	146.9	185.5	153.3	15.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
2.5°	101.9	100.8	95.4	91.1	86.9	82.6	79.3	76.1	76.1	77.2	76.1
5°	101.9	97.6	89.0	81.5	75.1	69.7	64.3	60.0	59.0	59.0	60.0
7.5°	100.8	95.4	83.6	74.0	65.4	57.9	52.5	47.2	46.1	47.2	46.1
10°	99.7	93.3	79.3	67.6	55.8	48.3	40.7	35.4	35.4	35.4	36.5
12.5°	99.7	90.1	75.1	61.1	48.3	39.7	32.2	26.8	25.7	25.7	25.7
15°	98.6	87.9	70.8	53.6	40.7	30.0	23.6	18.2	18.2	18.2	18.2
17.5°	96.5	84.7	65.4	47.2	32.2	22.5	16.1	10.7	10.7	12.9	12.9
20°	94.4	81.5	59.0	38.6	26.8	17.2	10.7	6.4	6.4	9.7	10.7
22.5°	95.4	81.5	54.7	34.3	21.4	12.9	8.6	5.4	4.3	7.5	9.7
25°	96.5	79.3	49.3	30.0	16.1	9.7	6.4	2.1	1.1	2.1	3.2
27.5°	96.5	77.2	42.9	23.6	11.8	7.5	3.2	0.0	0.0	0.0	0.0
30°	95.4	74.0	37.5	19.3	8.6	4.3	1.1	0.0	0.0	0.0	0.0
32.5°	94.4	70.8	34.3	15.0	7.5	2.1	0.0	0.0	0.0	0.0	0.0
35°	95.4	66.5	30.0	11.8	4.3	0.0	0.0	0.0	0.0	0.0	2.1
37.5°	98.6	62.2	25.7	9.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	102.9	59.0	21.4	7.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	111.5	59.0	19.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	122.2	59.0	16.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	136.2	60.0	13.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	153.3	62.2	12.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	166.2	60.0	11.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	188.7	57.9	10.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	218.7	54.7	10.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	248.8	50.4	10.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	283.1	48.3	9.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	467.5	42.9	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	902.8	40.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1459.4	40.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1534.4	40.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1020.8	33.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	546.9	30.0	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	294.9	27.9	4.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	129.7	20.4	5.4	3.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	51.5	13.9	6.4	5.4	4.3	2.1	0.0	0.0	0.0	0.0	0.0
85°	24.7	10.7	8.6	7.5	5.4	3.2	0.0	0.0	0.0	0.0	0.0
87.5°	11.8	10.7	9.7	8.6	7.5	5.4	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

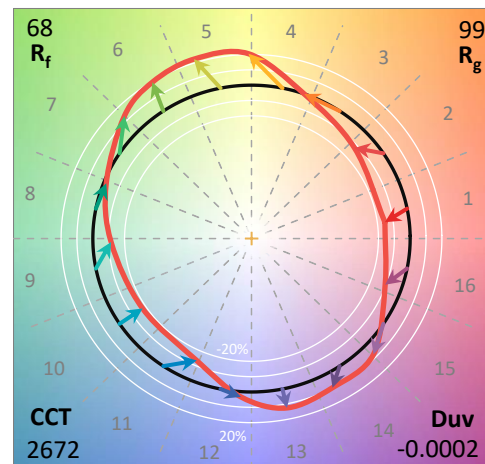
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

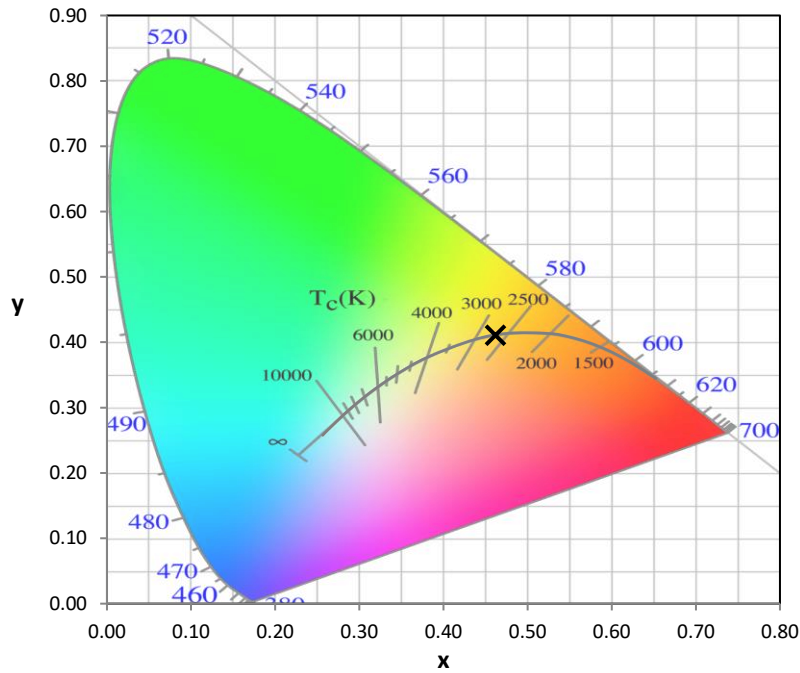
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

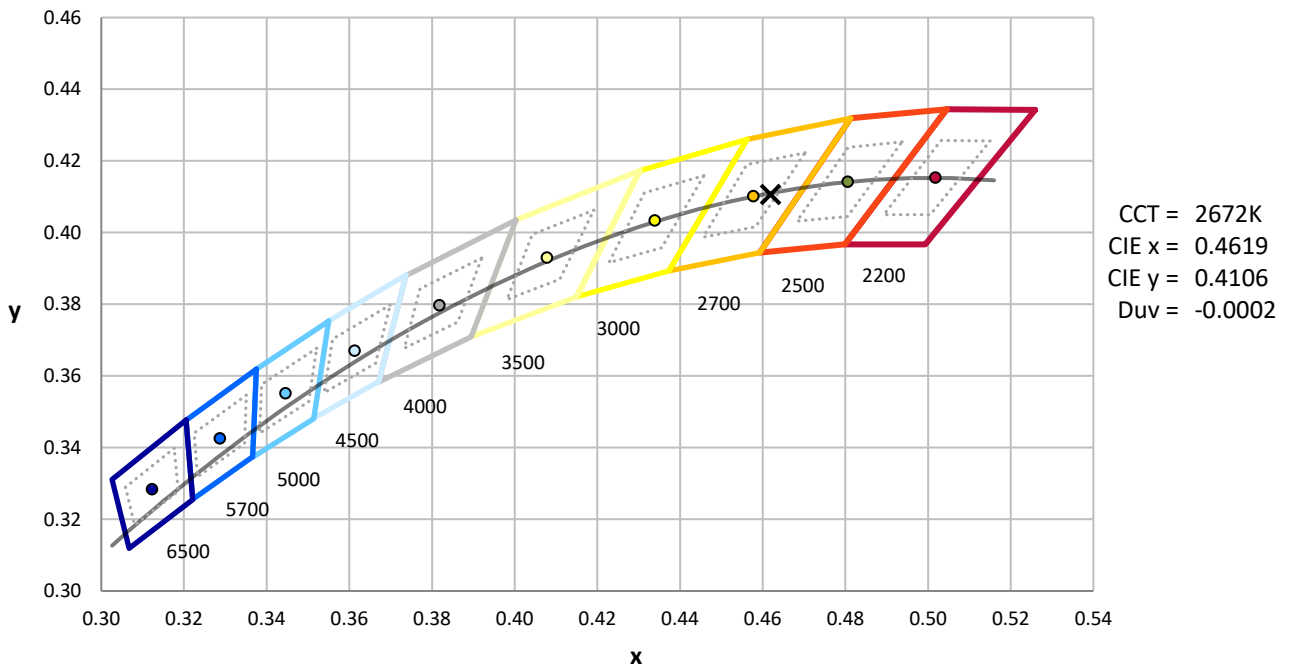
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

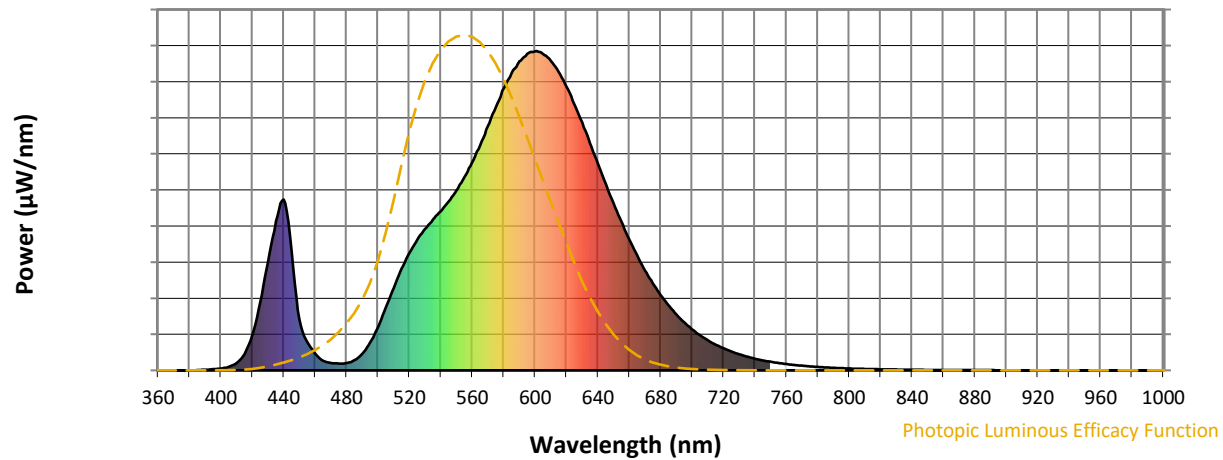


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

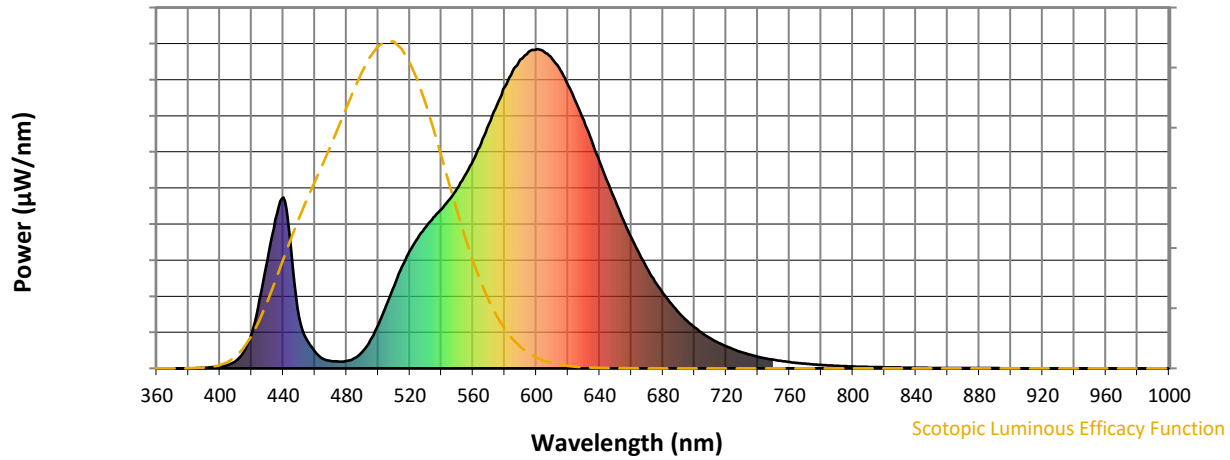


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



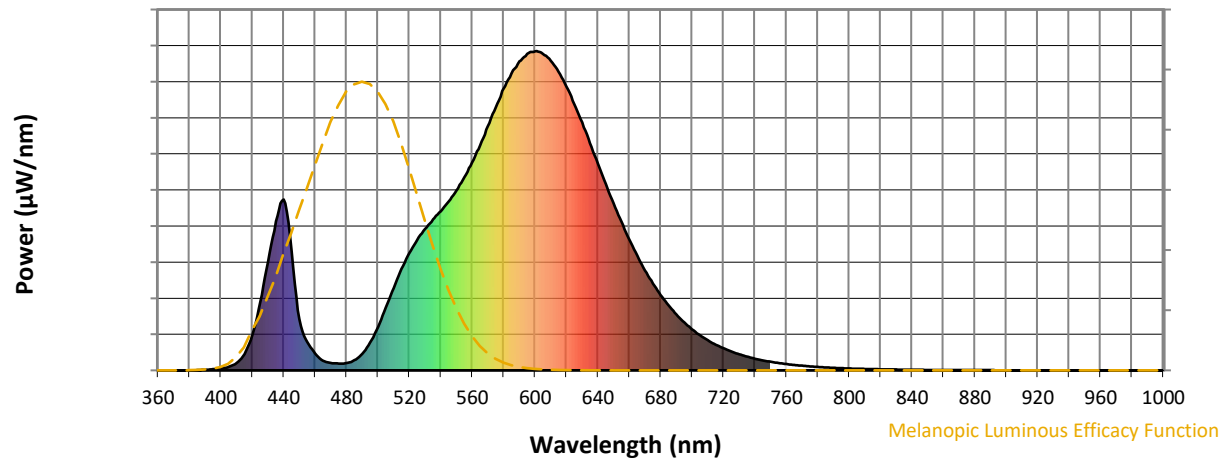
Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

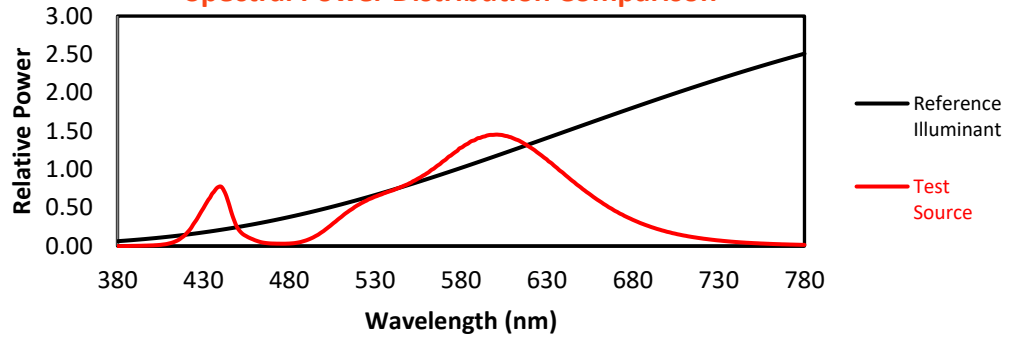
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TM-30-18

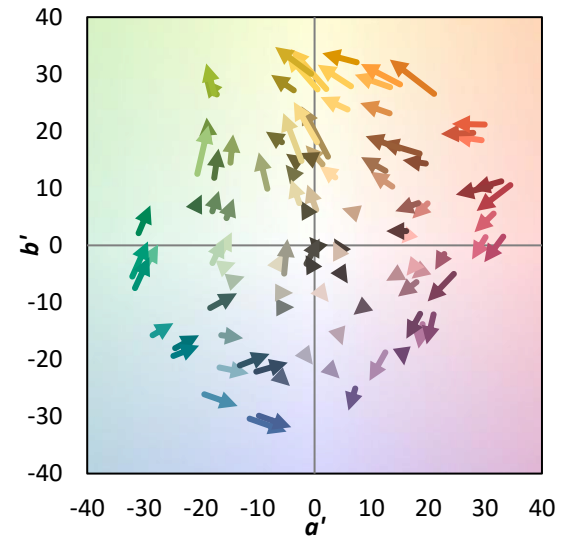
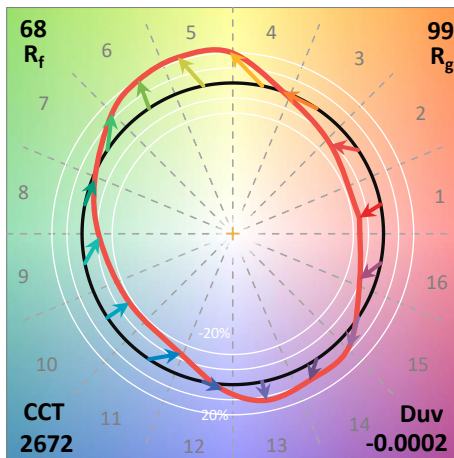
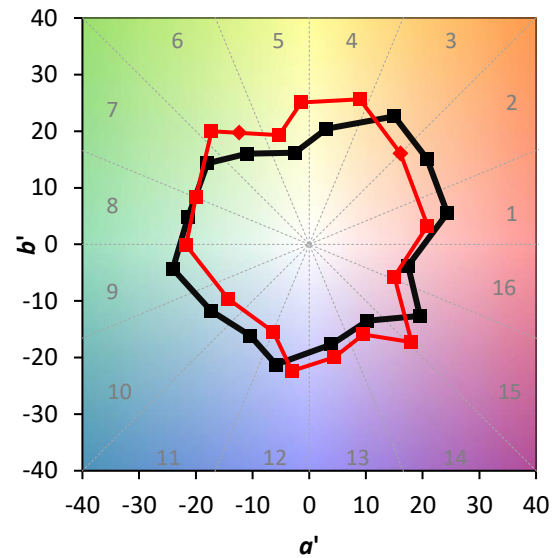
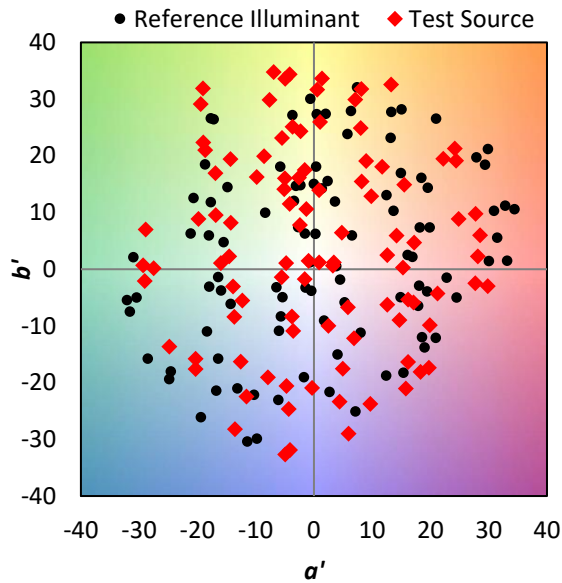
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

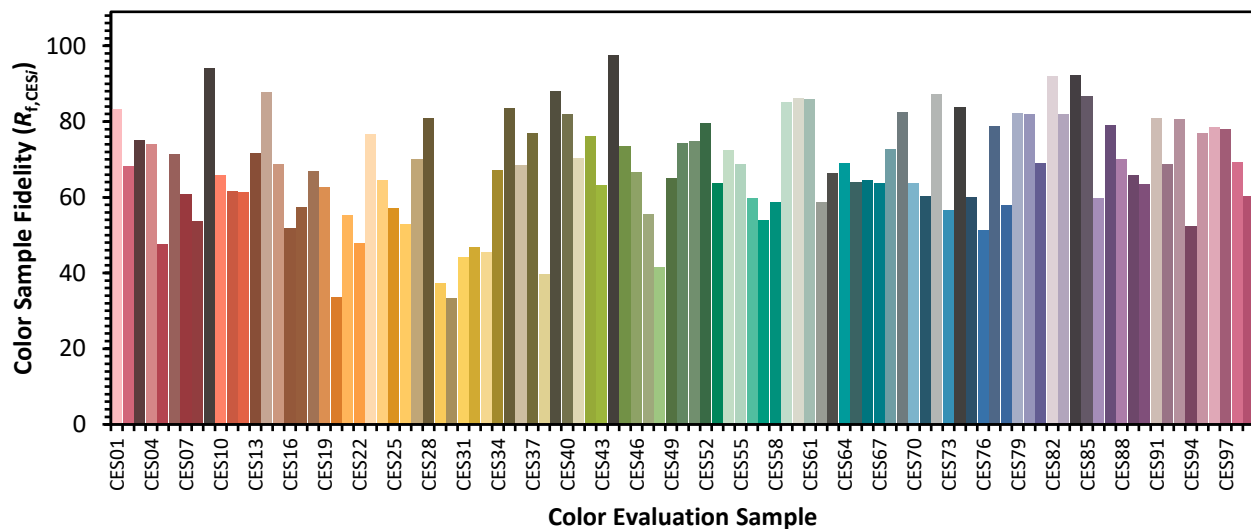


Color Vector Graphics

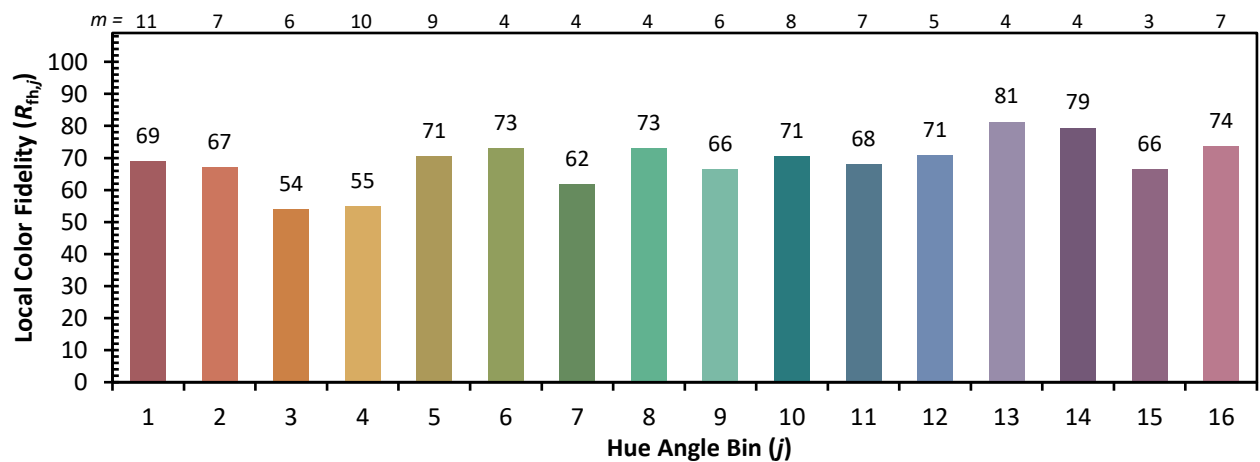
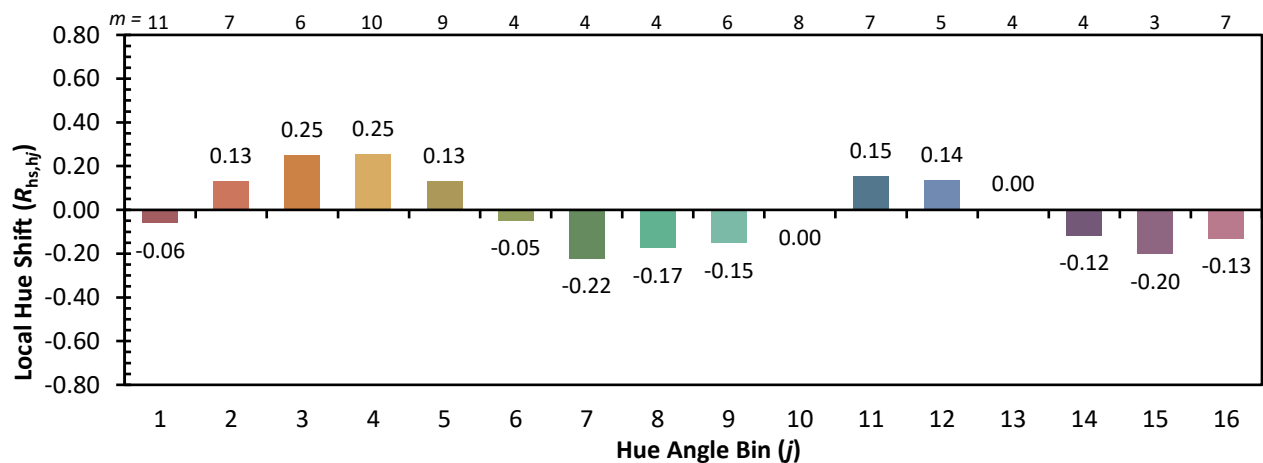
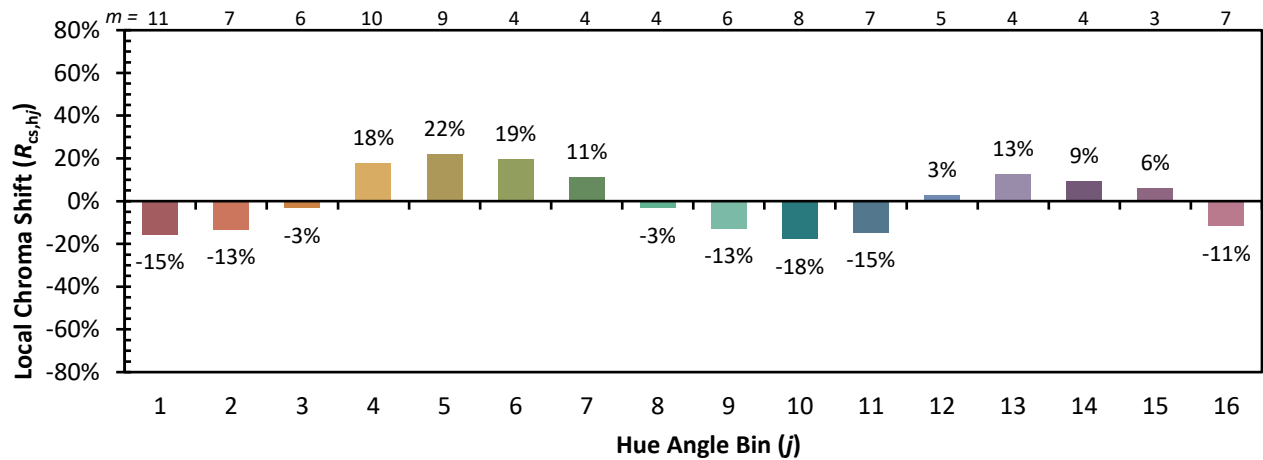


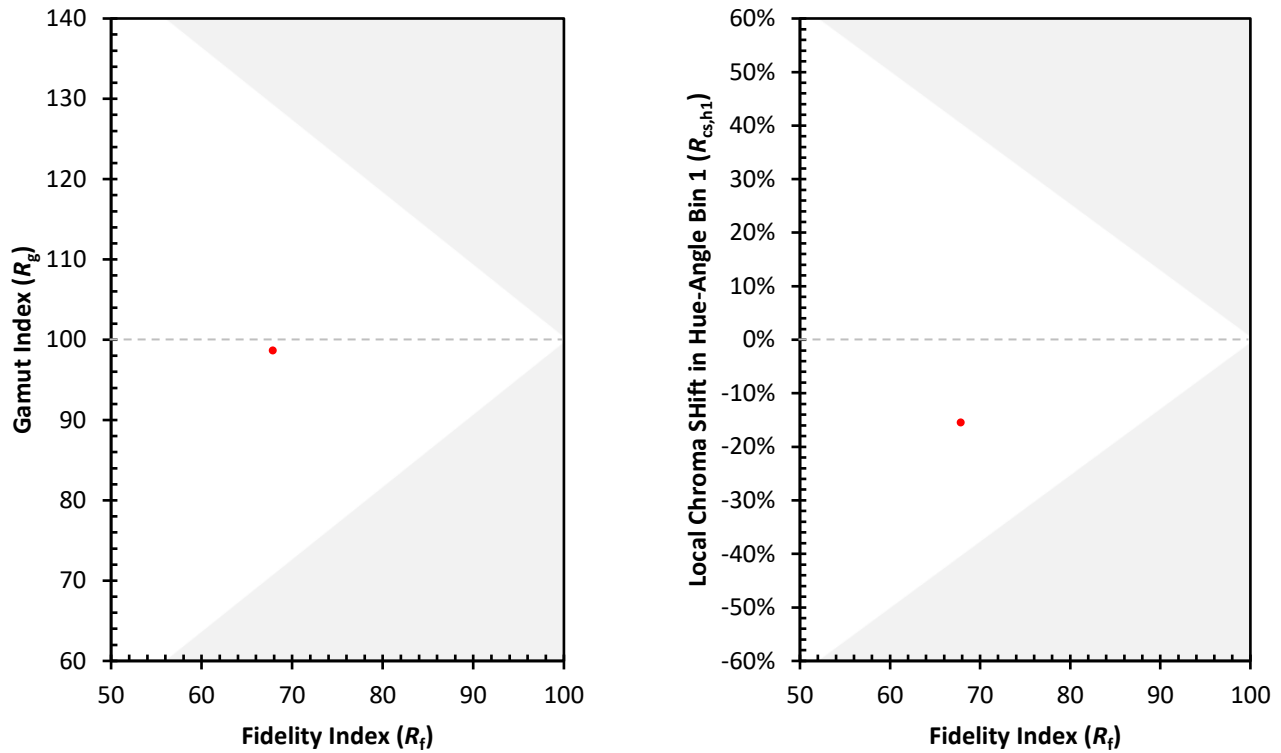
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)