

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: P1065775

Luminaire Tested: **NVN-SA5C-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065775
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA5C-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24097.8 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 236
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

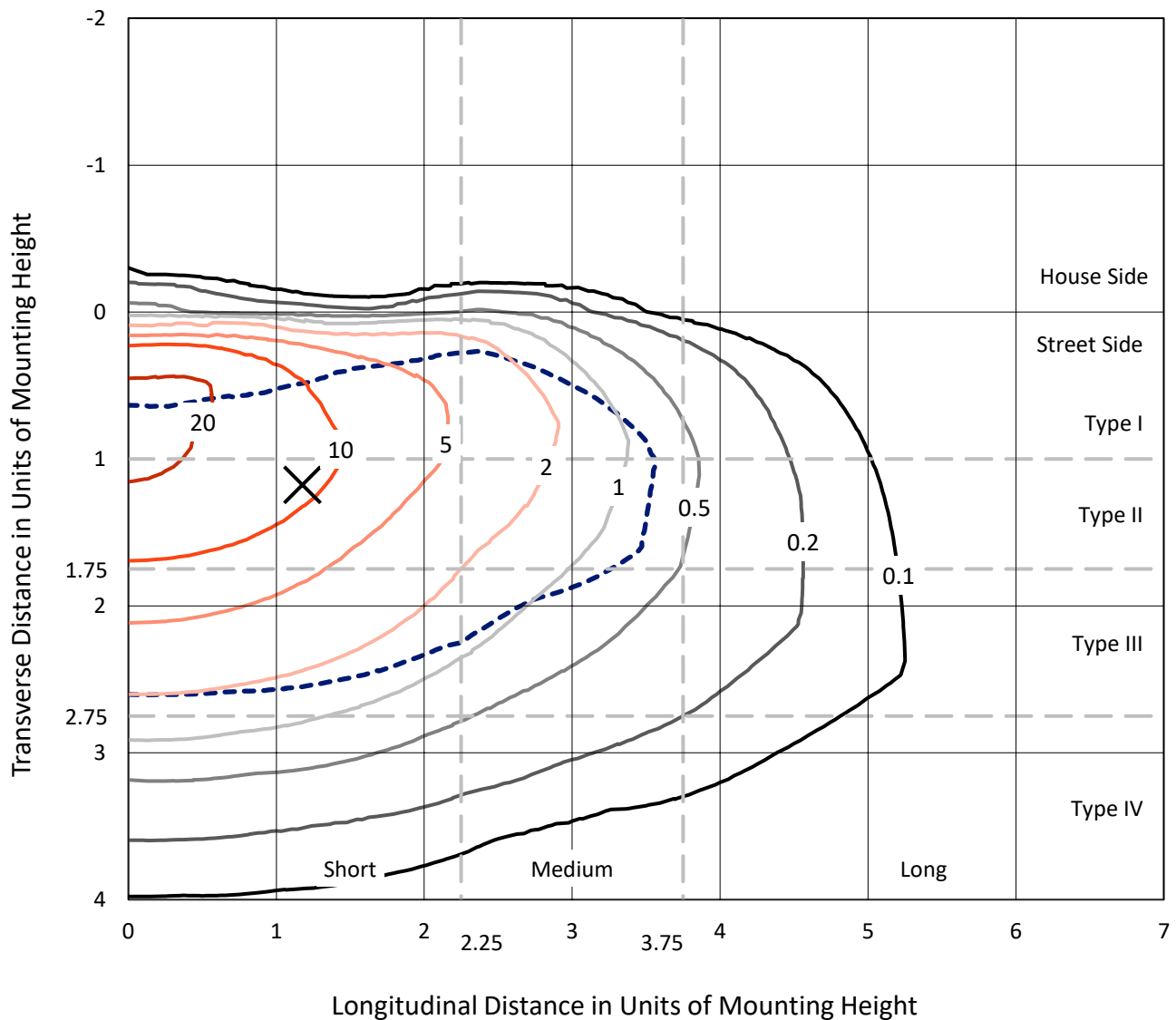


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

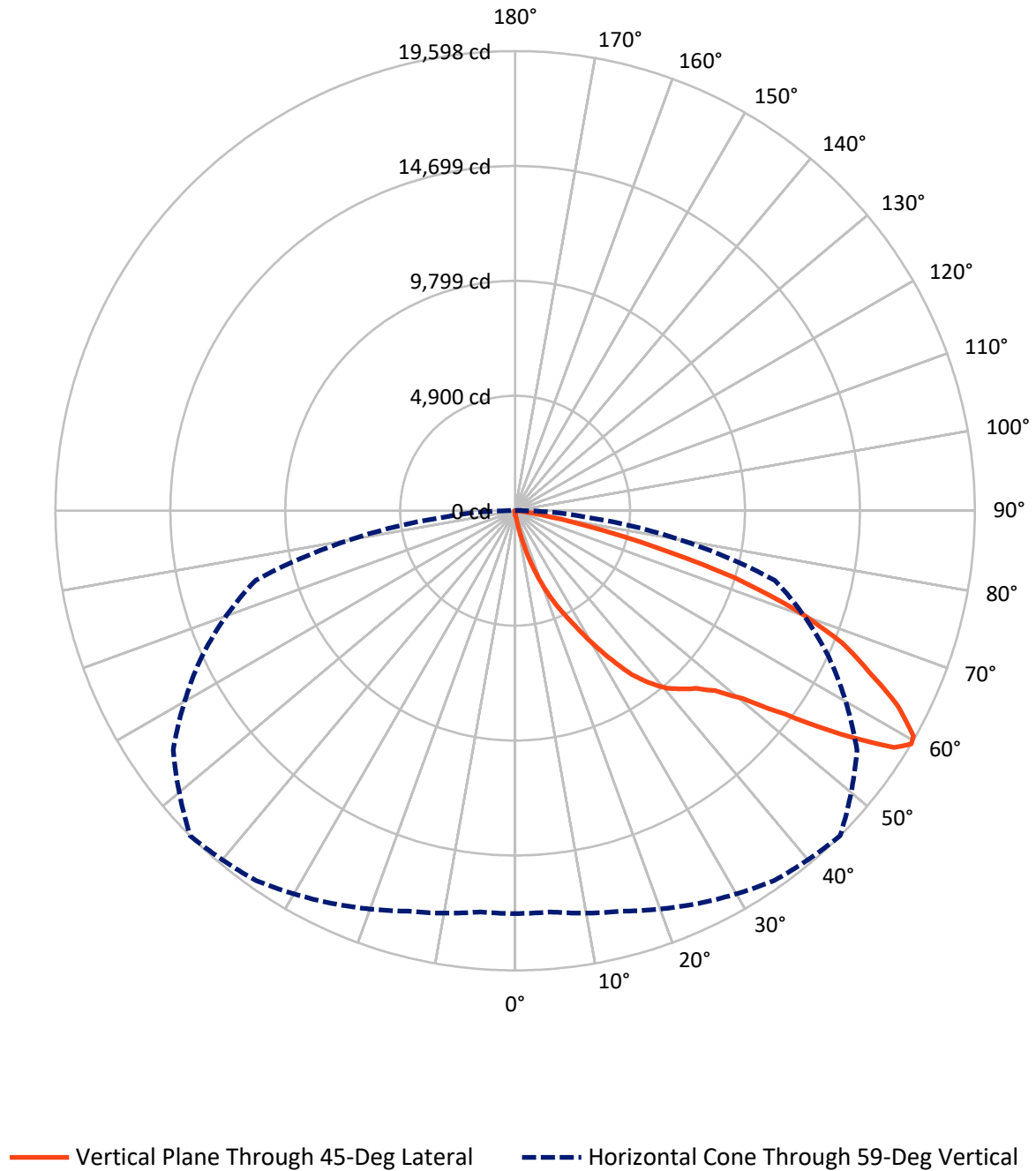


Based on 15 foot mounting height. Maximum calculated value = 26.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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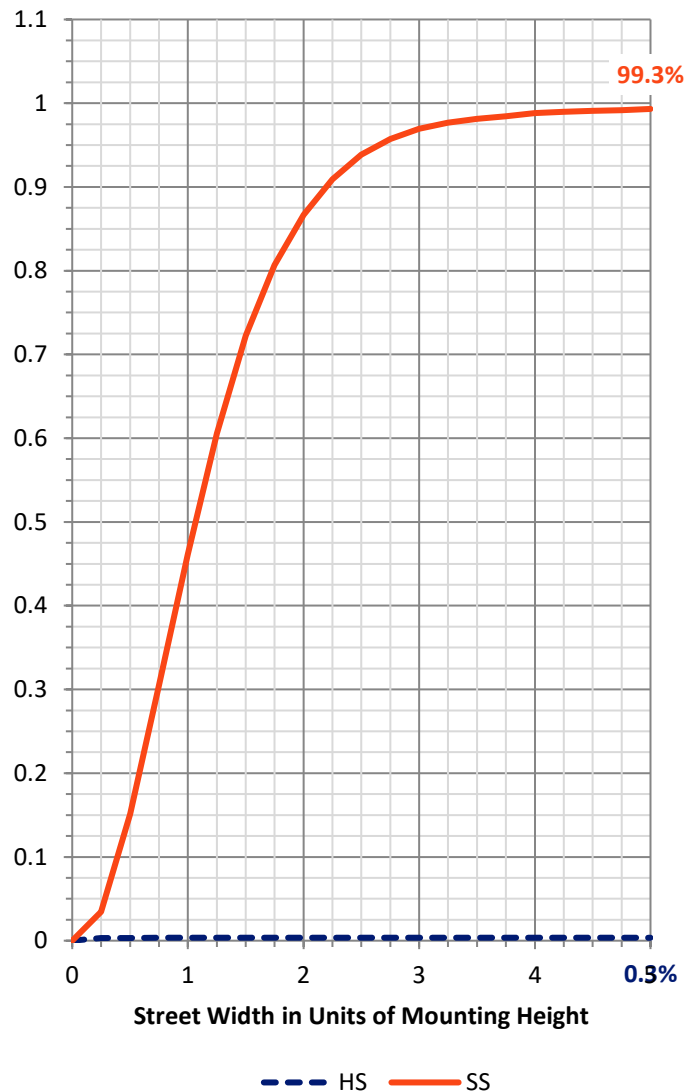
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	85.6	0.0	85.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	24012.2	0.0	24012.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	24097.8	0.0	24097.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	0.1
10°-20°	266.3	1.1
20°-30°	957.0	4.0
30°-40°	2223.9	9.2
40°-50°	3790.5	15.7
50°-60°	6245.7	25.9
60°-70°	7221.4	30.0
70°-80°	3102.5	12.9
80°-90°	268.1	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°	24097.8	100.0
0°-180°	24097.8	100.0



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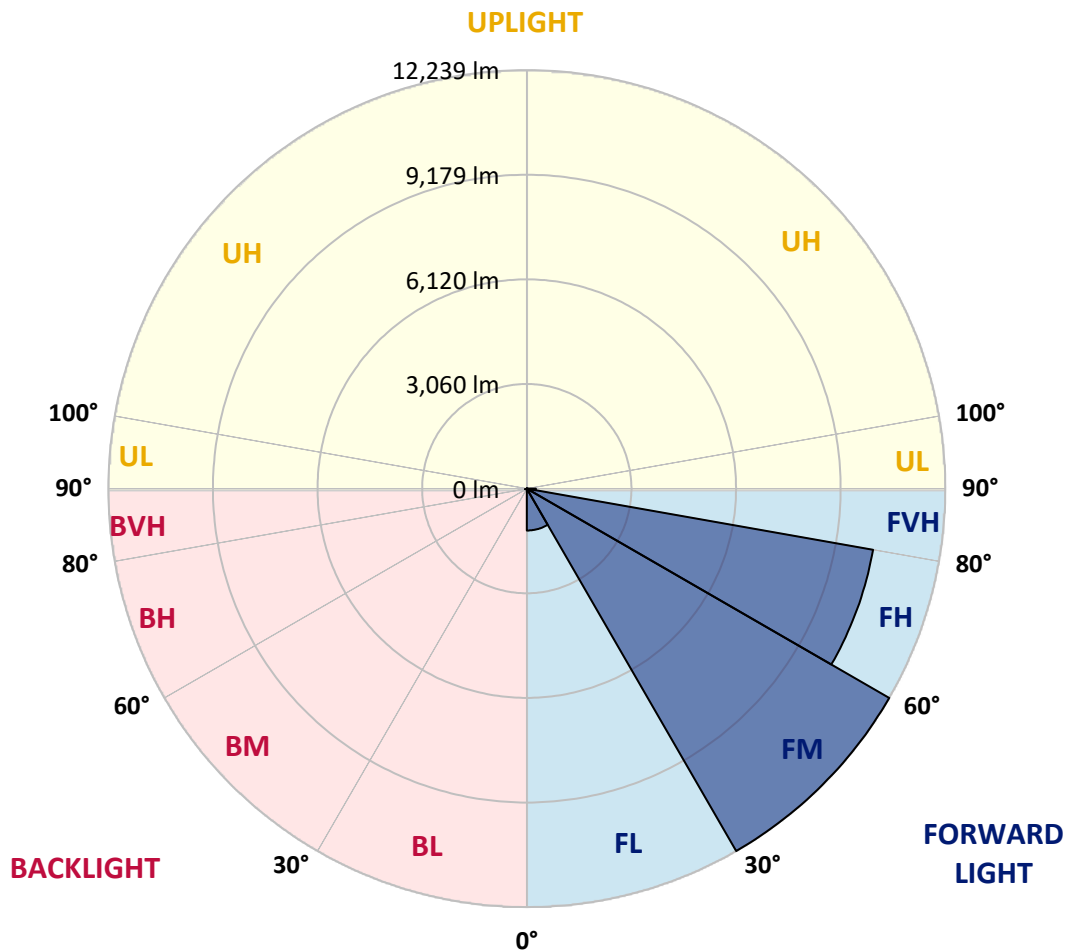
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1224.7	5.1			
FM	(30°-60°)	12239.3	50.8			
FH	(60°-80°)	10283.6	42.7			G4/12000
FVH	(80°-90°)	264.6	1.1			G3/500
BL	(0°-30°)	21.1	0.1	B0/110		
BM	(30°-60°)	20.7	0.1	B0/220		
BH	(60°-80°)	40.3	0.2	B0/110		G0/110
BVH	(80°-90°)	3.5	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	197.7	197.7	192.8	186.3	184.7	179.9	179.9	175.0	168.5	163.7	157.2
5°	286.8	285.2	272.2	256.0	234.9	222.0	222.0	204.2	188.0	173.4	160.4
7.5°	627.1	612.5	565.5	487.7	385.6	317.6	312.7	254.4	215.5	186.3	162.0
10°	1438.9	1388.6	1322.2	1135.9	839.3	586.6	575.2	371.1	257.6	200.9	165.3
12.5°	2357.6	2398.1	2265.2	1972.0	1625.2	1208.8	1127.8	625.5	340.3	220.4	168.5
15°	3193.7	3184.0	3109.4	2869.6	2469.4	1915.2	1865.0	1087.2	487.7	251.2	171.8
17.5°	3819.1	3807.8	3736.5	3582.6	3274.7	2720.6	2676.8	1733.8	764.8	294.9	175.0
20°	4478.6	4464.0	4363.6	4240.4	3971.5	3499.9	3448.1	2456.4	1197.4	366.2	175.0
22.5°	5269.3	5241.8	5134.9	4925.8	4642.3	4232.3	4185.3	3195.3	1733.8	482.9	183.1
25°	6225.3	6178.4	6030.9	5842.9	5501.1	4956.6	4906.4	4018.4	2380.3	659.5	191.2
27.5°	7315.8	7323.9	7124.6	6807.0	6348.5	5792.7	5698.7	4755.7	3049.5	912.3	200.9
30°	8610.5	8529.5	8249.2	7879.7	7434.1	6726.0	6635.3	5489.7	3801.3	1284.9	217.1
32.5°	9822.5	9735.0	9357.5	8892.4	8414.4	7667.5	7592.9	6314.5	4485.1	1725.7	246.3
35°	10862.8	10801.2	10273.0	9705.8	9281.3	8613.7	8591.0	7234.8	5288.8	2200.4	278.7
37.5°	11778.3	11666.4	10987.5	10399.3	9968.3	9370.4	9321.8	8077.4	6063.3	2751.3	327.3
40°	12559.3	12497.7	11669.7	10896.8	10546.8	10012.1	9950.5	8816.3	6863.8	3391.4	387.3
42.5°	13395.4	13314.3	12510.6	11643.8	10998.9	10426.9	10386.4	9425.5	7576.7	4094.6	476.4
45°	14340.0	14189.3	13484.5	12706.7	11726.4	10856.3	10810.9	9968.3	8307.5	4849.7	584.9
47.5°	15349.5	15218.2	14647.9	14101.8	12974.1	11564.4	11467.1	10430.1	9033.4	5721.4	722.7
50°	16376.8	16380.0	15952.2	15689.8	14498.8	12714.8	12577.1	11109.1	9796.6	6654.7	926.8
52.5°	17572.6	17603.4	17596.9	17402.5	16478.9	14596.0	14411.3	12139.6	10682.9	7743.6	1208.8
55°	18073.3	18128.4	18486.5	18917.5	18666.3	16981.2	16783.5	13917.1	11857.6	8957.2	1626.8
57.5°	17663.3	17724.9	18219.1	18974.2	19551.0	19069.8	19047.1	16230.9	13405.1	10428.5	2310.6
59°	17175.6	17167.5	17674.7	18475.1	19252.9	19565.6	19598.0	17796.2	14753.2	11460.7	2900.4
60°	16851.5	16858.0	17195.1	18016.6	18842.9	19385.8	19512.1	18718.2	15540.7	12202.8	3406.0
62.5°	15600.6	15675.2	15942.5	16705.7	17490.0	18096.0	18311.5	19539.7	17794.6	13956.0	5164.0
65°	14241.2	14246.0	14626.8	15279.8	16031.6	16457.8	16593.9	18261.2	19299.9	15741.6	7469.8
67.5°	11815.5	11914.4	12347.0	13405.1	14398.3	14937.9	15041.6	15895.5	18676.0	16905.0	8625.1
70°	8268.6	8398.2	9015.6	10388.0	11867.4	12753.7	12747.2	13213.9	16436.7	16386.5	7312.6
72.5°	4128.6	4352.2	4856.2	6325.8	8117.9	9509.8	9803.1	10629.4	13204.2	13610.9	5455.7
75°	1824.5	1837.5	2124.3	2864.8	4034.6	5802.4	6064.9	8437.1	10130.4	9459.5	3940.7
77.5°	1061.3	1071.0	1122.9	1286.6	1634.9	2843.7	3138.6	5533.5	7158.7	5497.8	2569.9
80°	385.6	395.4	393.7	487.7	716.2	1119.7	1247.7	2681.7	4775.1	2895.5	1346.5
82.5°	236.6	236.6	228.5	230.1	260.9	429.4	469.9	1142.3	2325.2	1425.9	385.6
85°	116.7	123.1	131.2	147.5	175.0	212.3	225.2	327.3	782.6	345.1	92.4
87.5°	69.7	71.3	77.8	94.0	116.7	152.3	162.0	222.0	280.3	231.7	22.7
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°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	153.9	152.3	144.2	137.7	131.2	124.8	119.9	115.0	115.0	116.7	115.0
5°	153.9	147.5	134.5	123.1	113.4	105.3	97.2	90.7	89.1	89.1	90.7
7.5°	152.3	144.2	126.4	111.8	98.8	87.5	79.4	71.3	69.7	71.3	69.7
10°	150.7	141.0	119.9	102.1	84.3	72.9	61.6	53.5	53.5	53.5	55.1
12.5°	150.7	136.1	113.4	92.4	72.9	60.0	48.6	40.5	38.9	38.9	38.9
15°	149.1	132.9	106.9	81.0	61.6	45.4	35.6	27.5	27.5	27.5	27.5
17.5°	145.8	128.0	98.8	71.3	48.6	34.0	24.3	16.2	16.2	19.4	19.4
20°	142.6	123.1	89.1	58.3	40.5	25.9	16.2	9.7	9.7	14.6	16.2
22.5°	144.2	123.1	82.6	51.9	32.4	19.4	13.0	8.1	6.5	11.3	14.6
25°	145.8	119.9	74.5	45.4	24.3	14.6	9.7	3.2	1.6	3.2	4.9
27.5°	145.8	116.7	64.8	35.6	17.8	11.3	4.9	0.0	0.0	0.0	0.0
30°	144.2	111.8	56.7	29.2	13.0	6.5	1.6	0.0	0.0	0.0	0.0
32.5°	142.6	106.9	51.9	22.7	11.3	3.2	0.0	0.0	0.0	0.0	0.0
35°	144.2	100.5	45.4	17.8	6.5	0.0	0.0	0.0	0.0	0.0	3.2
37.5°	149.1	94.0	38.9	14.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	155.6	89.1	32.4	11.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	168.5	89.1	29.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	184.7	89.1	24.3	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	205.8	90.7	21.1	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	231.7	94.0	19.4	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	251.2	90.7	17.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	285.2	87.5	16.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	330.5	82.6	16.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	375.9	76.2	16.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	427.8	72.9	14.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	706.5	64.8	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1364.3	61.6	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2205.3	61.6	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2318.7	61.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1542.6	50.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	826.4	45.4	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	445.6	42.1	6.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	196.1	30.8	8.1	4.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	77.8	21.1	9.7	8.1	6.5	3.2	0.0	0.0	0.0	0.0	0.0
85°	37.3	16.2	13.0	11.3	8.1	4.9	0.0	0.0	0.0	0.0	0.0
87.5°	17.8	16.2	14.6	13.0	11.3	8.1	1.6	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

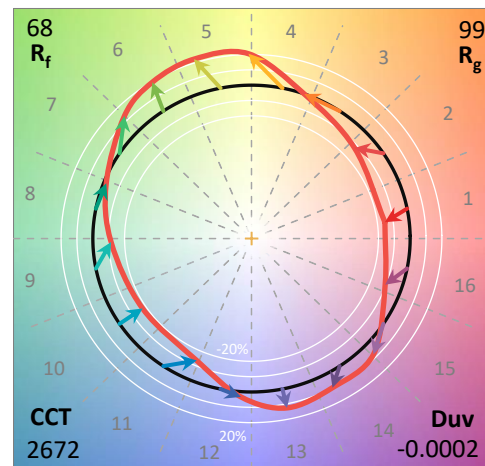
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

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

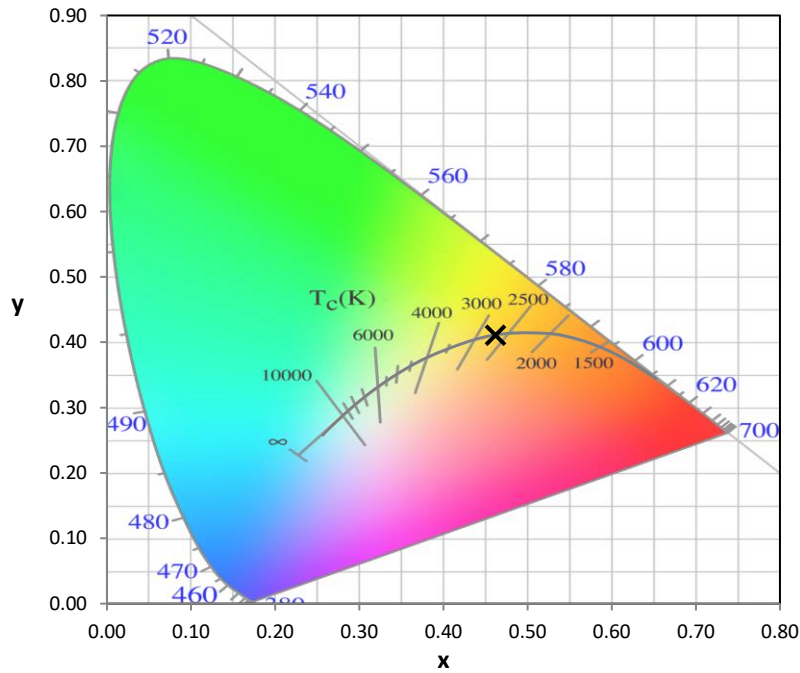
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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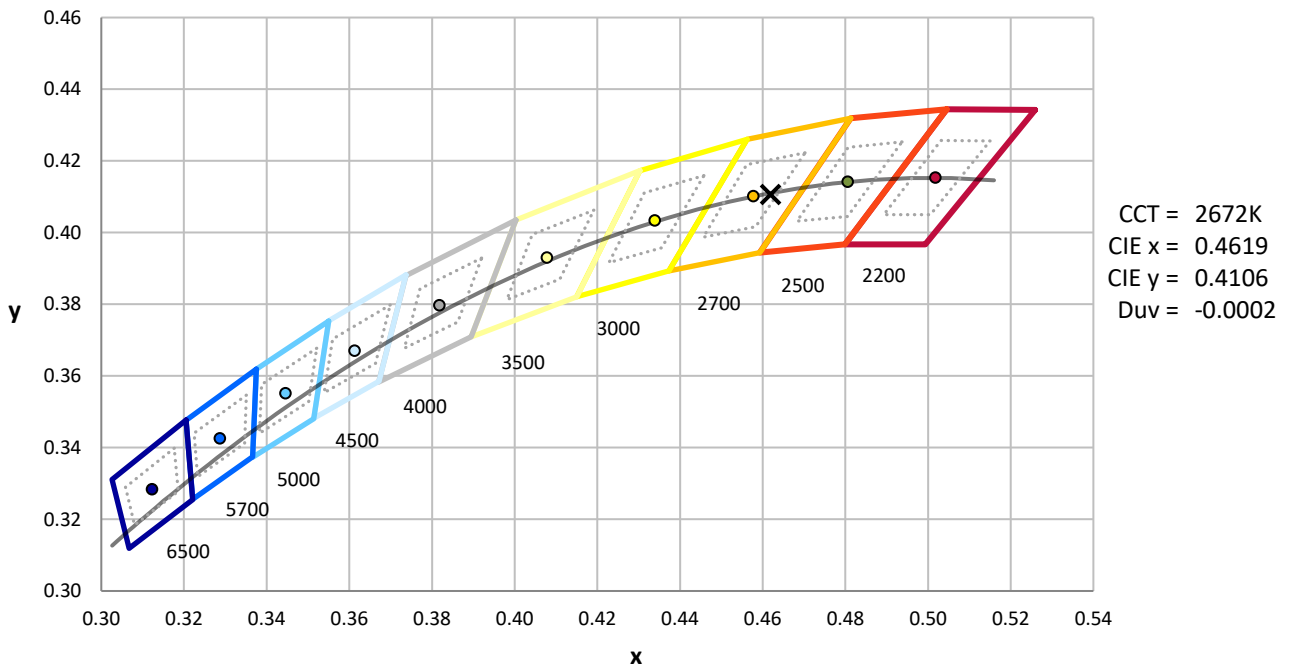
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



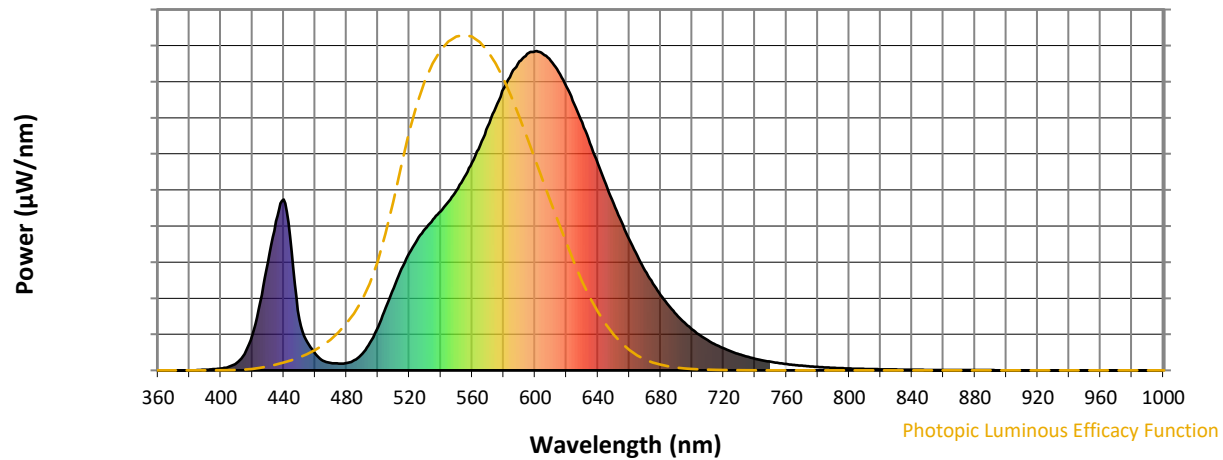
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

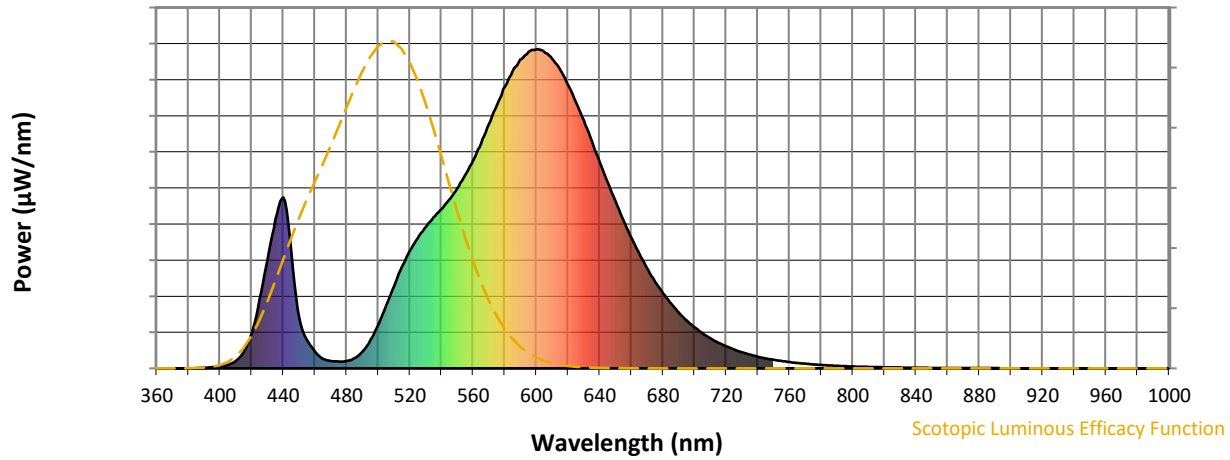


Photopic Lumens: NR

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	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



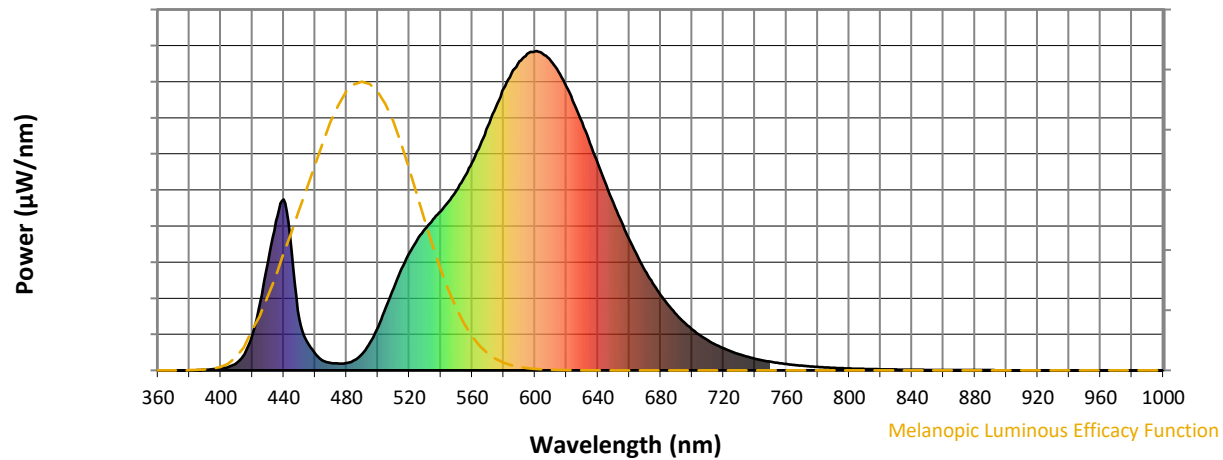
Scotopic Lumens: NR

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			

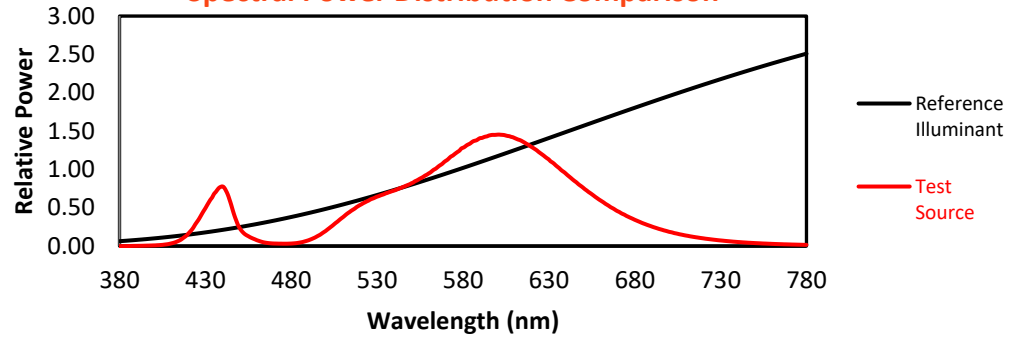
REPORT NUMBER: SP1-2407-184-3

TM-30-18

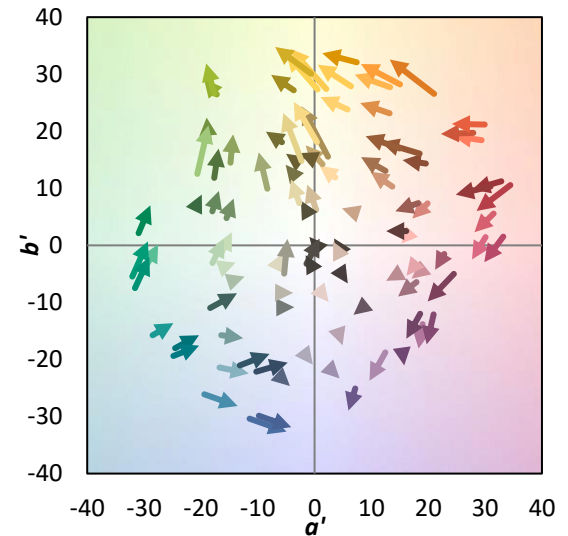
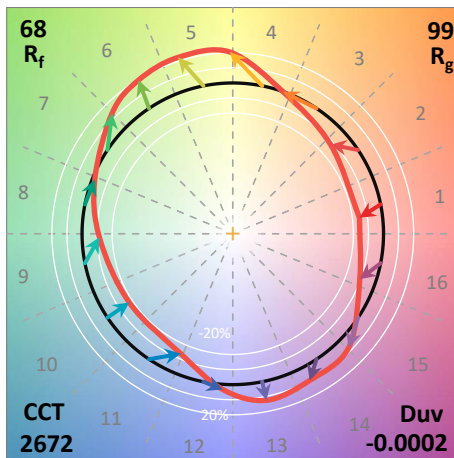
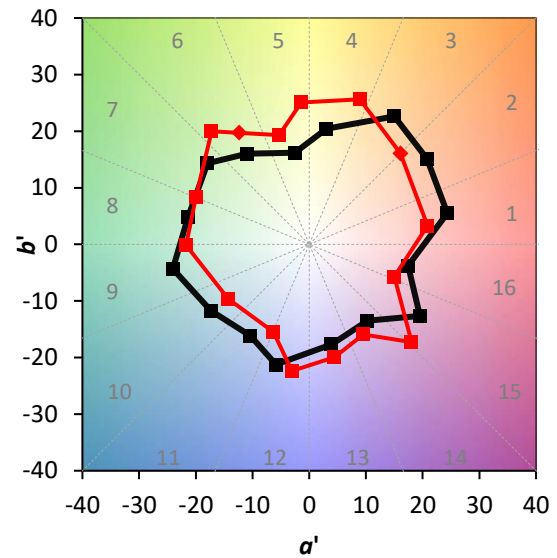
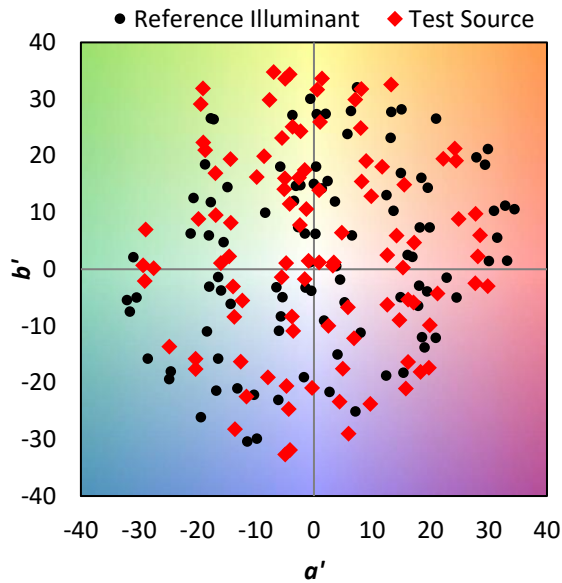
Summary

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

Spectral Power Distribution Comparison

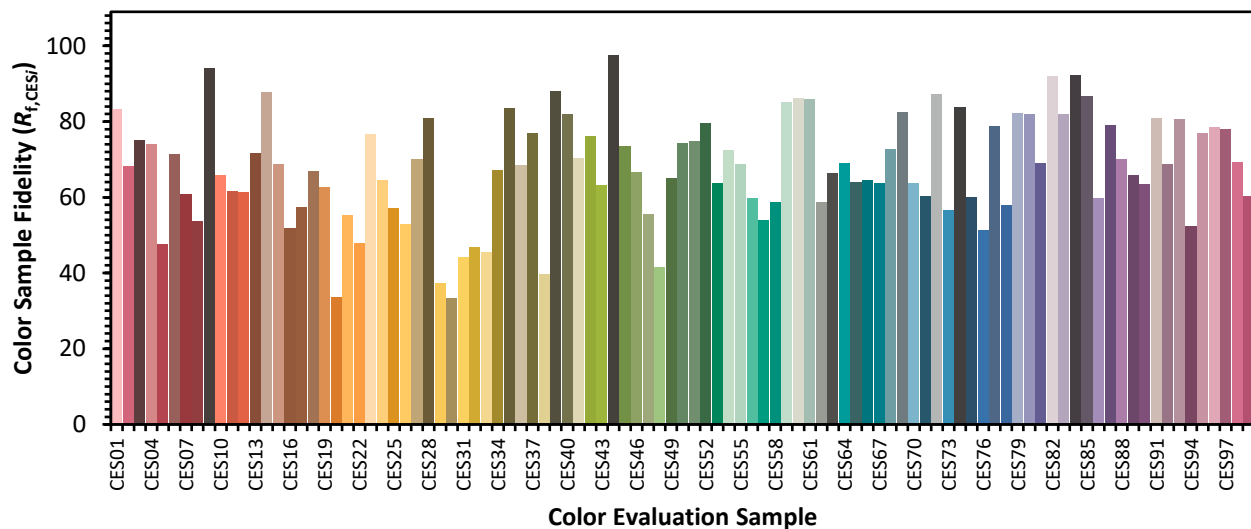


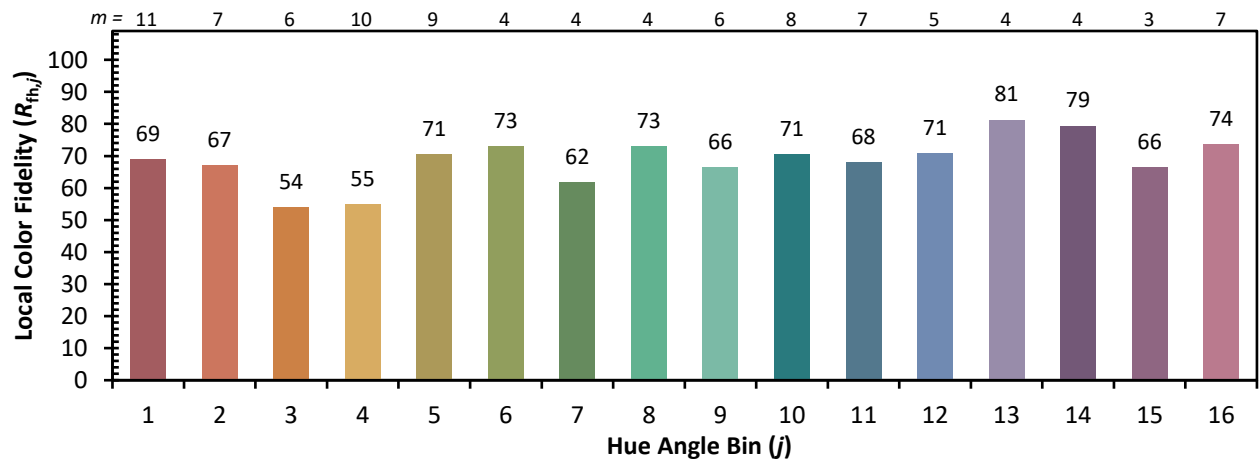
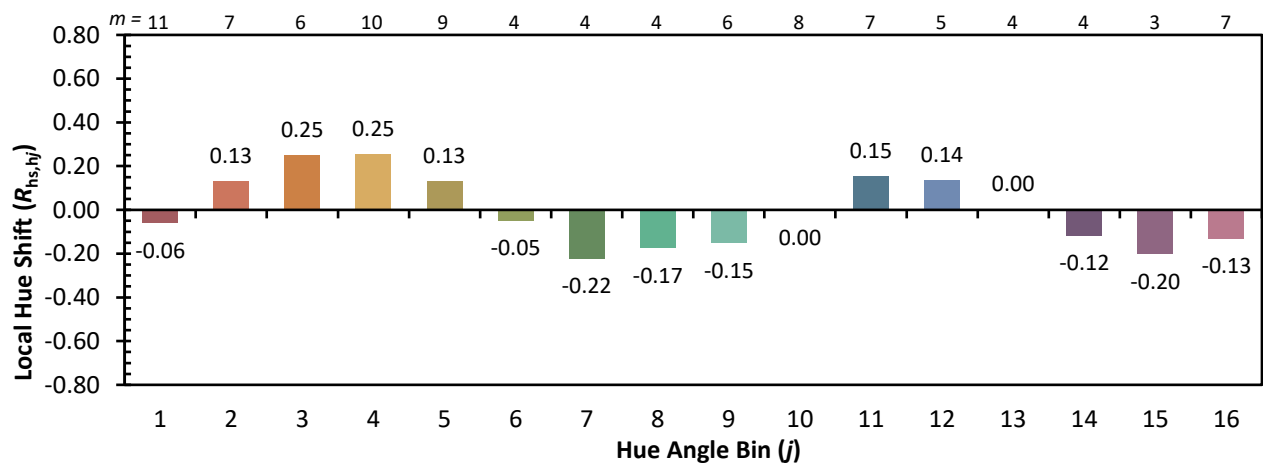
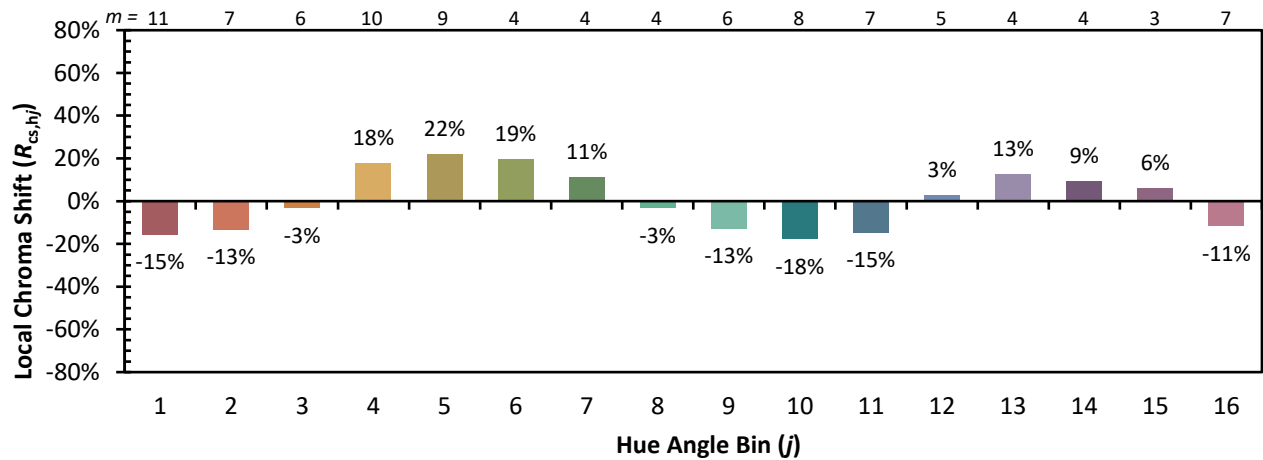
Color Vector Graphics



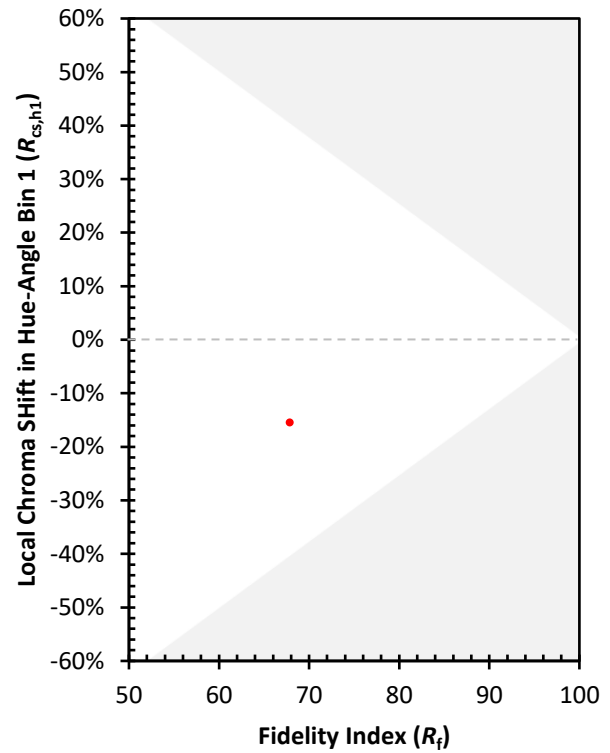
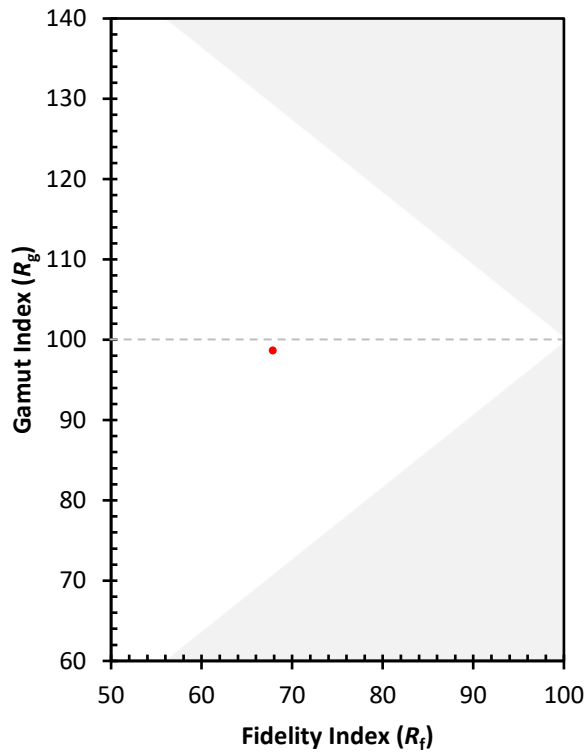
Individual Sample Fidelity Index ($R_{f,i}$)

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)