

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: P1065760

Luminaire Tested: **NVN-SA1D-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065760
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA1D-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5551.9 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 56.5
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

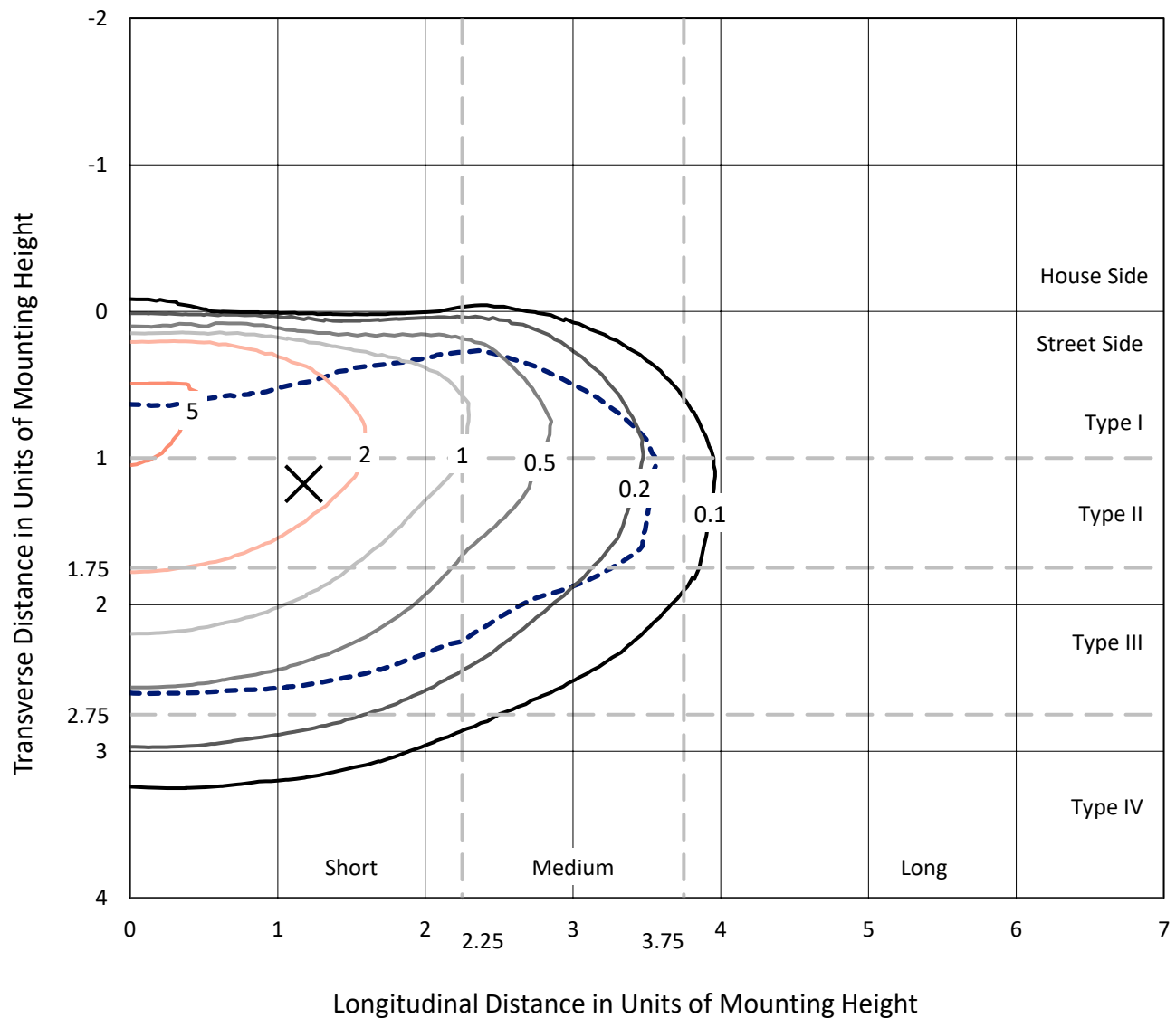


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

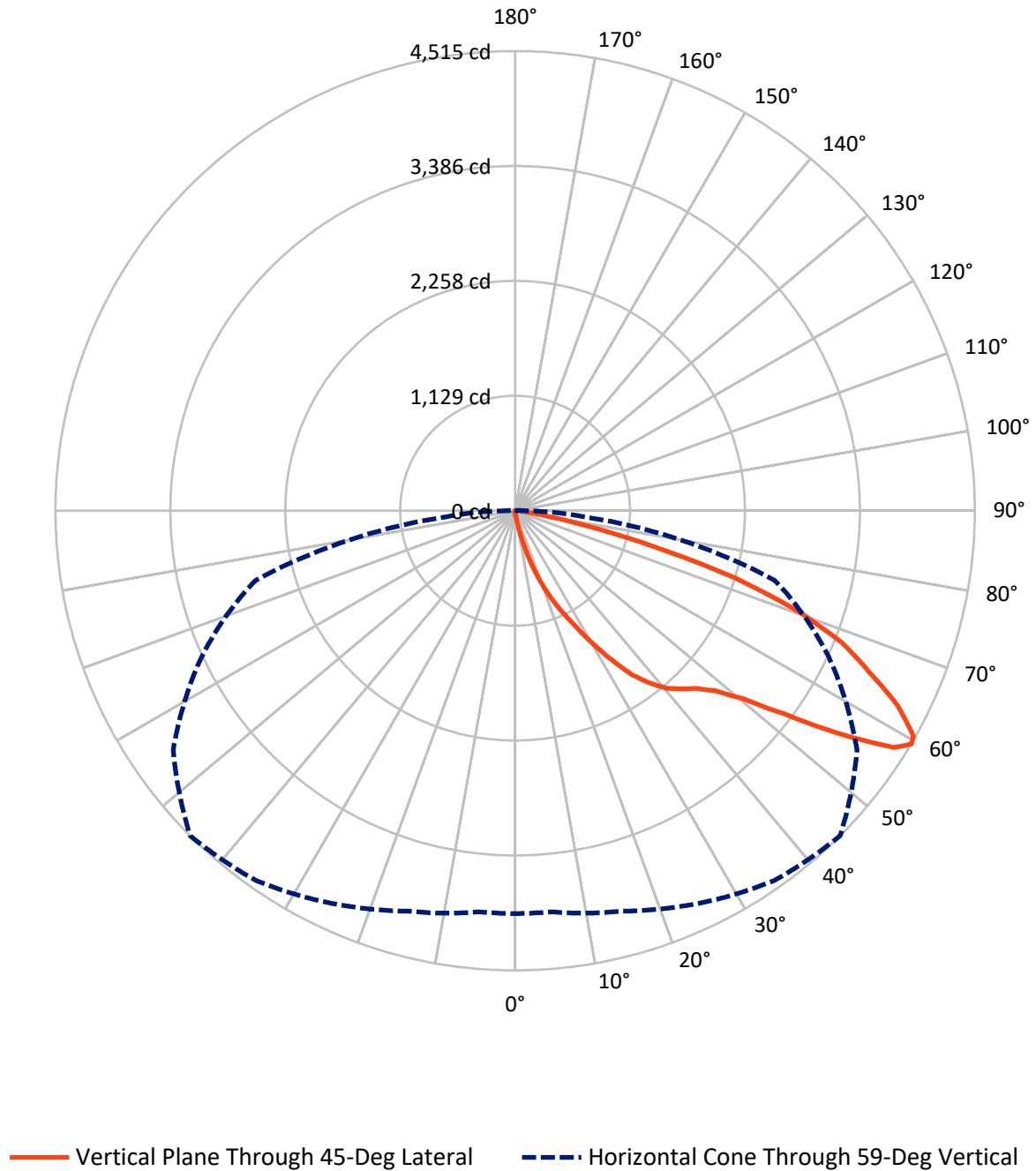


Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - N/A

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CATALOG NUMBER: NVN-SA1D-727-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.7	0.0	19.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5532.2	0.0	5532.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	5551.9	0.0	5551.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	61.4	1.1
20°-30°	220.5	4.0
30°-40°	512.4	9.2
40°-50°	873.3	15.7
50°-60°	1438.9	25.9
60°-70°	1663.7	30.0
70°-80°	714.8	12.9
80°-90°	61.8	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°	5551.9	100.0
0°-180°	5551.9	100.0



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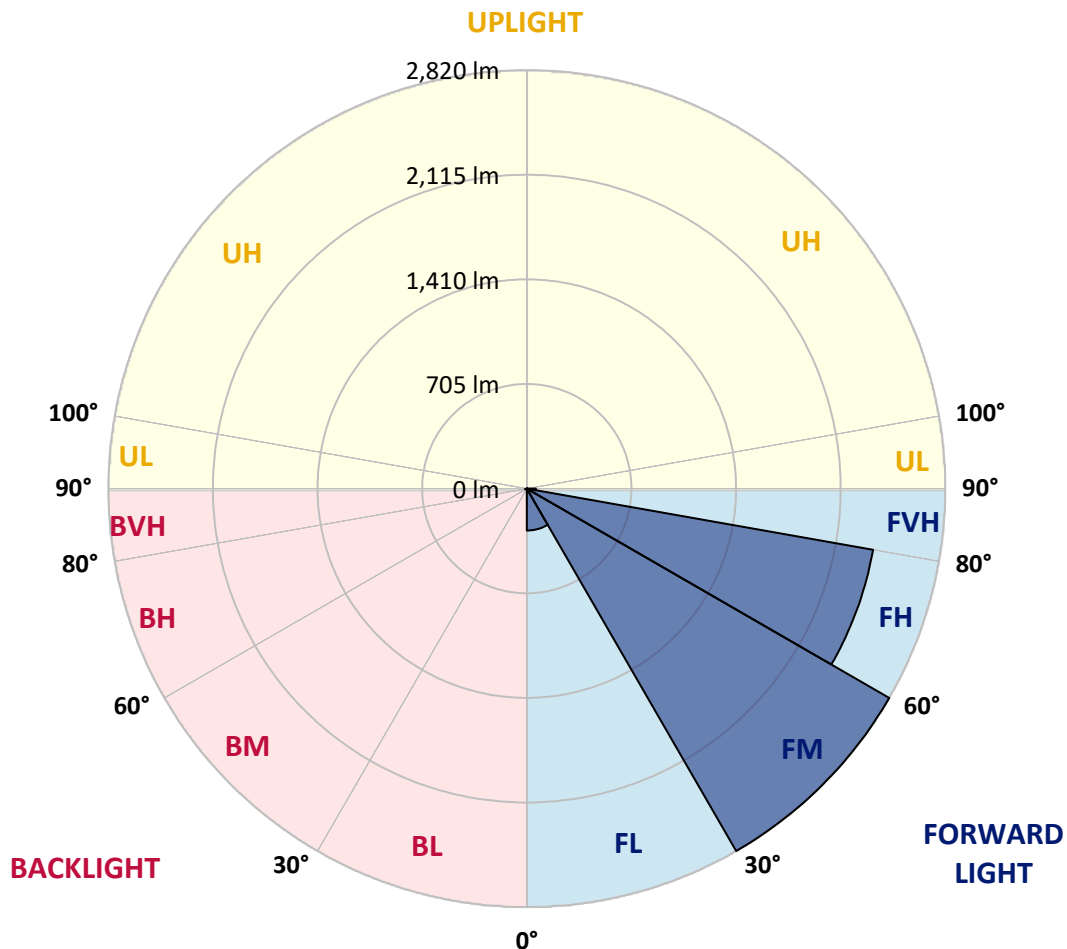
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	282.2	5.1			
FM	(30°-60°)	2819.8	50.8			
FH	(60°-80°)	2369.2	42.7			G2/5000
FVH	(80°-90°)	61.0	1.1			G1/100
BL	(0°-30°)	4.9	0.1	B0/110		
BM	(30°-60°)	4.8	0.1	B0/220		
BH	(60°-80°)	9.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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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CATALOG NUMBER: NVN-SA1D-727-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
2.5°	45.5	45.5	44.4	42.9	42.6	41.4	41.4	40.3	38.8	37.7	36.2
5°	66.1	65.7	62.7	59.0	54.1	51.1	51.1	47.0	43.3	39.9	37.0
7.5°	144.5	141.1	130.3	112.4	88.8	73.2	72.0	58.6	49.7	42.9	37.3
10°	331.5	319.9	304.6	261.7	193.4	135.1	132.5	85.5	59.4	46.3	38.1
12.5°	543.2	552.5	521.9	454.3	374.4	278.5	259.8	144.1	78.4	50.8	38.8
15°	735.8	733.6	716.4	661.1	568.9	441.3	429.7	250.5	112.4	57.9	39.6
17.5°	879.9	877.3	860.9	825.4	754.5	626.8	616.7	399.4	176.2	67.9	40.3
20°	1031.8	1028.5	1005.3	977.0	915.0	806.4	794.4	565.9	275.9	84.4	40.3
22.5°	1214.0	1207.7	1183.0	1134.9	1069.5	975.1	964.3	736.2	399.4	111.2	42.2
25°	1434.3	1423.4	1389.5	1346.2	1267.4	1142.0	1130.4	925.8	548.4	151.9	44.1
27.5°	1685.5	1687.4	1641.4	1568.3	1462.6	1334.6	1312.9	1095.7	702.6	210.2	46.3
30°	1983.8	1965.1	1900.5	1815.4	1712.7	1549.6	1528.7	1264.8	875.8	296.0	50.0
32.5°	2263.0	2242.9	2155.9	2048.7	1938.6	1766.5	1749.3	1454.8	1033.3	397.6	56.7
35°	2502.7	2488.5	2366.8	2236.1	2138.3	1984.5	1979.3	1666.8	1218.5	507.0	64.2
37.5°	2713.6	2687.8	2531.4	2395.9	2296.6	2158.9	2147.7	1861.0	1396.9	633.9	75.4
40°	2893.5	2879.3	2688.6	2510.5	2429.9	2306.7	2292.5	2031.2	1581.3	781.3	89.2
42.5°	3086.2	3067.5	2882.3	2682.6	2534.0	2402.3	2392.9	2171.5	1745.6	943.4	109.8
45°	3303.8	3269.1	3106.7	2927.5	2701.6	2501.2	2490.7	2296.6	1914.0	1117.3	134.8
47.5°	3536.4	3506.1	3374.7	3248.9	2989.1	2664.3	2641.9	2403.0	2081.2	1318.2	166.5
50°	3773.1	3773.8	3675.2	3614.8	3340.4	2929.4	2897.6	2559.4	2257.0	1533.2	213.5
52.5°	4048.6	4055.6	4054.2	4009.4	3796.6	3362.8	3320.2	2796.8	2461.2	1784.1	278.5
55°	4163.9	4176.6	4259.1	4358.4	4300.5	3912.3	3866.8	3206.4	2731.9	2063.7	374.8
57.5°	4069.5	4083.6	4197.5	4371.5	4504.4	4393.5	4388.3	3739.5	3088.4	2402.6	532.3
59°	3957.1	3955.2	4072.1	4256.5	4435.7	4507.7	4515.2	4100.1	3399.0	2640.4	668.2
60°	3882.4	3883.9	3961.6	4150.8	4341.2	4466.3	4495.4	4312.5	3580.4	2811.4	784.7
62.5°	3594.2	3611.4	3673.0	3848.8	4029.5	4169.1	4218.8	4501.8	4099.7	3215.3	1189.7
65°	3281.0	3282.1	3369.9	3520.3	3693.5	3791.7	3823.1	4207.2	4446.5	3626.7	1721.0
67.5°	2722.2	2745.0	2844.6	3088.4	3317.2	3441.6	3465.4	3662.2	4302.8	3894.8	1987.1
70°	1905.0	1934.9	2077.1	2393.3	2734.1	2938.3	2936.8	3044.3	3786.9	3775.3	1684.8
72.5°	951.2	1002.7	1118.8	1457.4	1870.3	2191.0	2258.5	2448.9	3042.1	3135.8	1256.9
75°	420.3	423.3	489.4	660.0	929.5	1336.8	1397.3	1943.8	2333.9	2179.4	907.9
77.5°	244.5	246.8	258.7	296.4	376.7	655.2	723.1	1274.9	1649.3	1266.6	592.1
80°	88.8	91.1	90.7	112.4	165.0	258.0	287.4	617.8	1100.1	667.1	310.2
82.5°	54.5	54.5	52.6	53.0	60.1	98.9	108.3	263.2	535.7	328.5	88.8
85°	26.9	28.4	30.2	34.0	40.3	48.9	51.9	75.4	180.3	79.5	21.3
87.5°	16.1	16.4	17.9	21.7	26.9	35.1	37.3	51.1	64.6	53.4	5.2
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°	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
2.5°	35.5	35.1	33.2	31.7	30.2	28.7	27.6	26.5	26.5	26.9	26.5
5°	35.5	34.0	31.0	28.4	26.1	24.3	22.4	20.9	20.5	20.5	20.9
7.5°	35.1	33.2	29.1	25.8	22.8	20.2	18.3	16.4	16.1	16.4	16.1
10°	34.7	32.5	27.6	23.5	19.4	16.8	14.2	12.3	12.3	12.3	12.7
12.5°	34.7	31.4	26.1	21.3	16.8	13.8	11.2	9.3	9.0	9.0	9.0
15°	34.3	30.6	24.6	18.7	14.2	10.5	8.2	6.3	6.3	6.3	6.3
17.5°	33.6	29.5	22.8	16.4	11.2	7.8	5.6	3.7	3.7	4.5	4.5
20°	32.9	28.4	20.5	13.4	9.3	6.0	3.7	2.2	2.2	3.4	3.7
22.5°	33.2	28.4	19.0	11.9	7.5	4.5	3.0	1.9	1.5	2.6	3.4
25°	33.6	27.6	17.2	10.5	5.6	3.4	2.2	0.7	0.4	0.7	1.1
27.5°	33.6	26.9	14.9	8.2	4.1	2.6	1.1	0.0	0.0	0.0	0.0
30°	33.2	25.8	13.1	6.7	3.0	1.5	0.4	0.0	0.0	0.0	0.0
32.5°	32.9	24.6	11.9	5.2	2.6	0.7	0.0	0.0	0.0	0.0	0.0
35°	33.2	23.1	10.5	4.1	1.5	0.0	0.0	0.0	0.0	0.0	0.7
37.5°	34.3	21.7	9.0	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	35.8	20.5	7.5	2.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	38.8	20.5	6.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	42.6	20.5	5.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	47.4	20.9	4.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	53.4	21.7	4.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	57.9	20.9	4.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	65.7	20.2	3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	76.2	19.0	3.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	86.6	17.5	3.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	98.6	16.8	3.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	162.8	14.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	314.3	14.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	508.1	14.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	534.2	14.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	355.4	11.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	190.4	10.5	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	102.7	9.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	45.2	7.1	1.9	1.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.9	4.9	2.2	1.9	1.5	0.7	0.0	0.0	0.0	0.0	0.0
85°	8.6	3.7	3.0	2.6	1.9	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	3.7	3.4	3.0	2.6	1.9	0.4	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

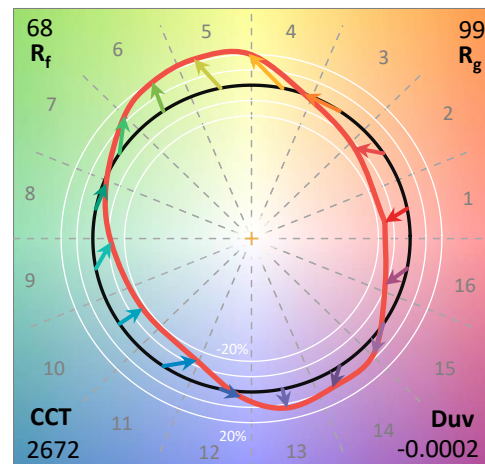
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

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

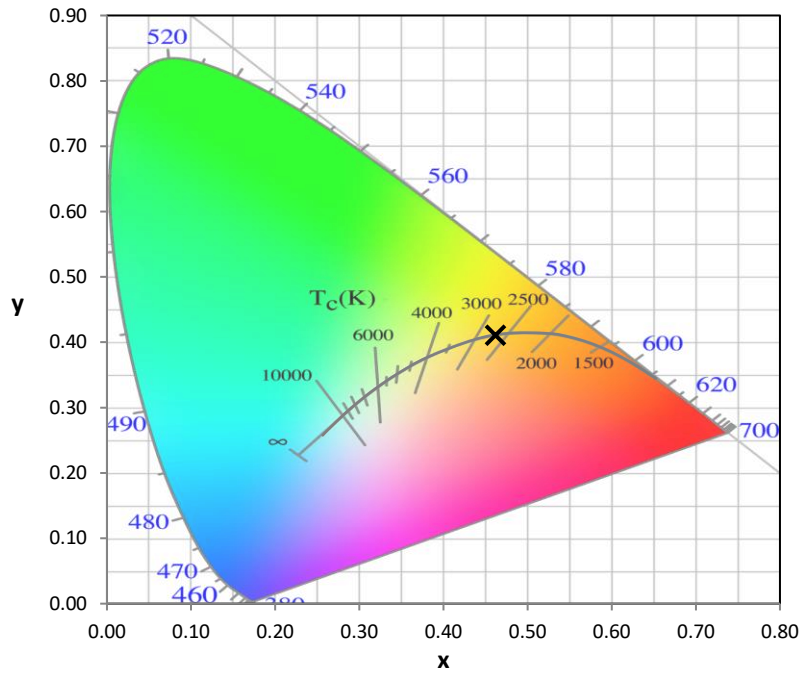
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

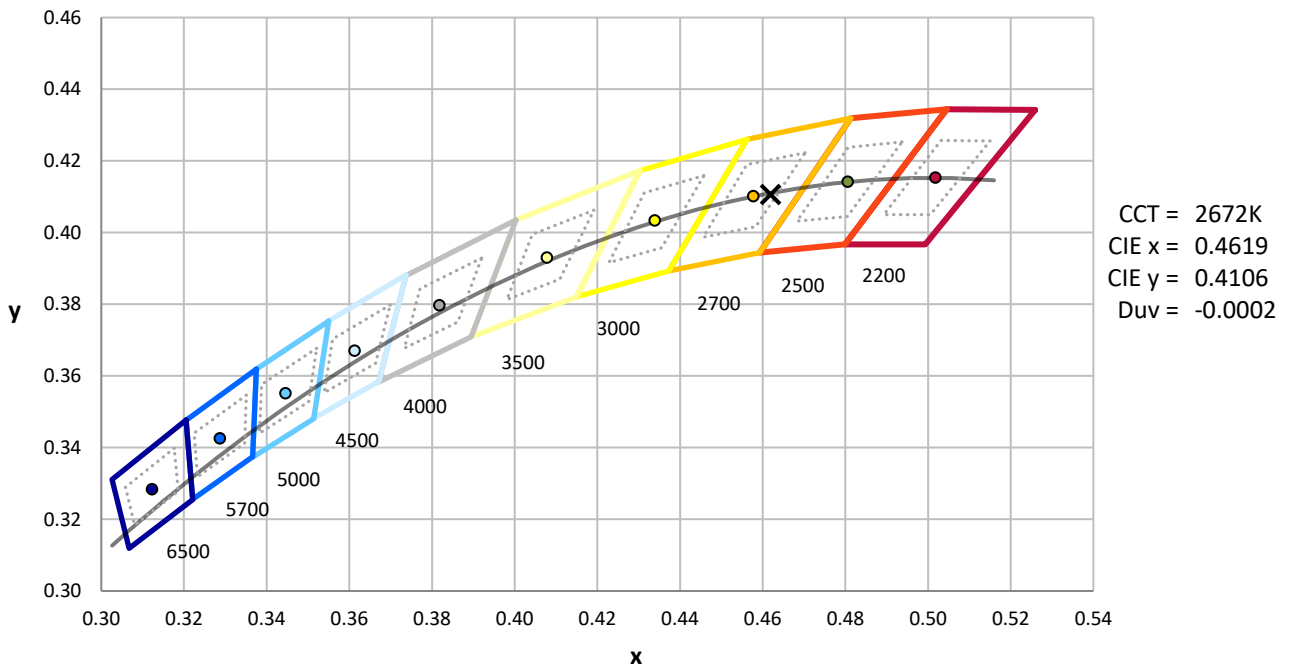
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

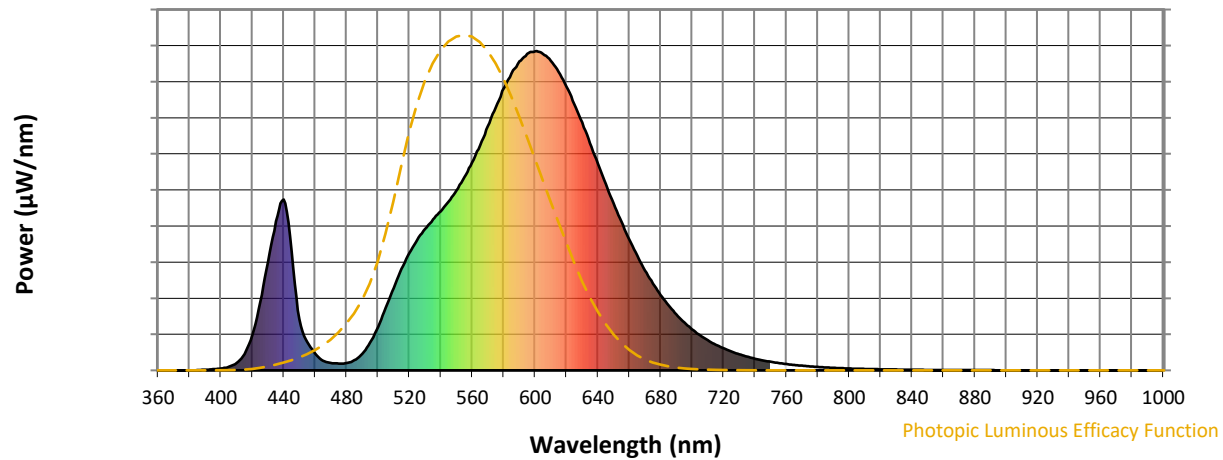


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

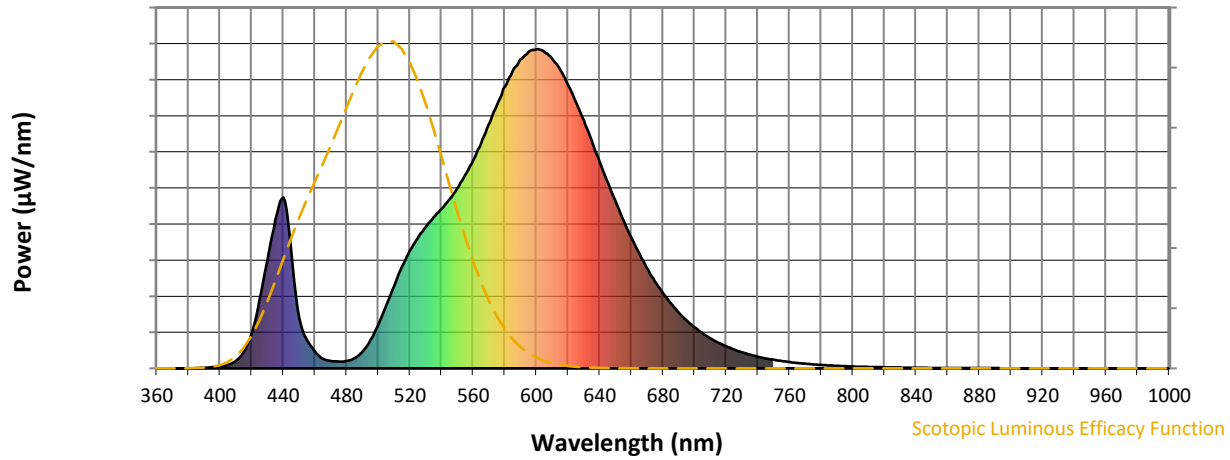


Photopic Lumens: NR

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

Scotopic Flux vs. Wavelength



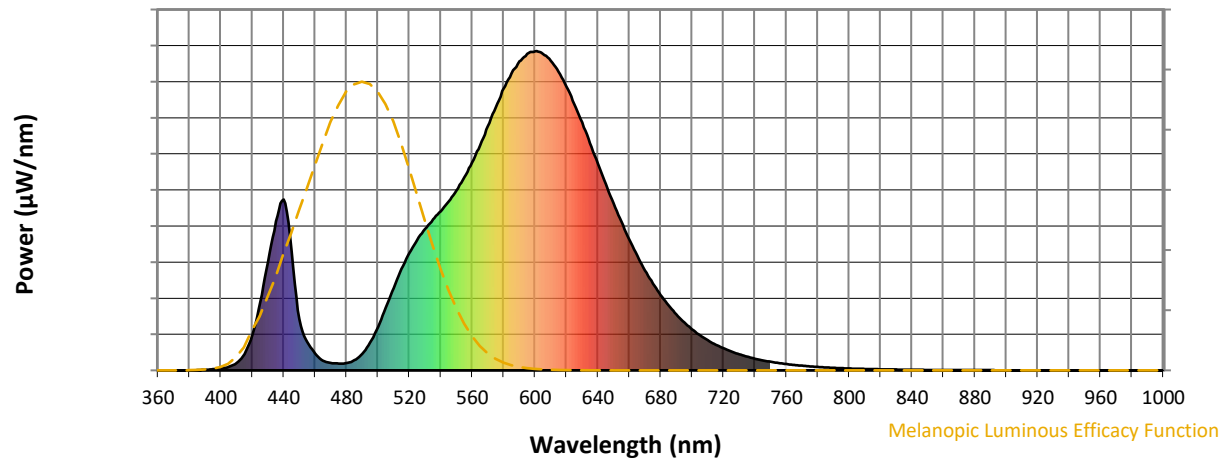
Scotopic Lumens: NR

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			

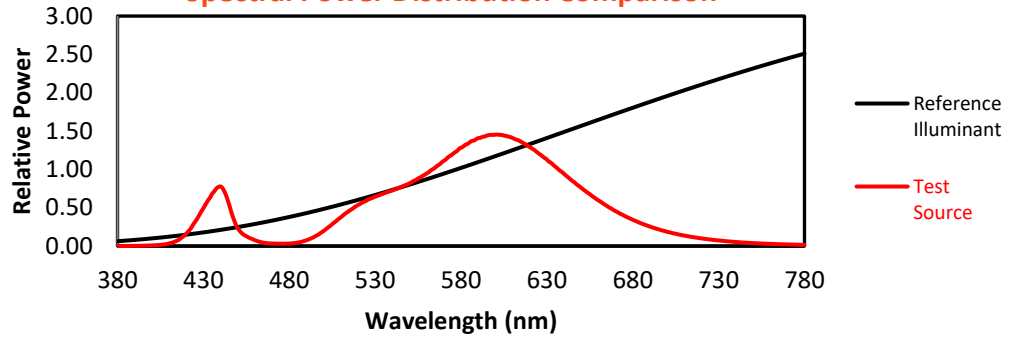
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TM-30-18

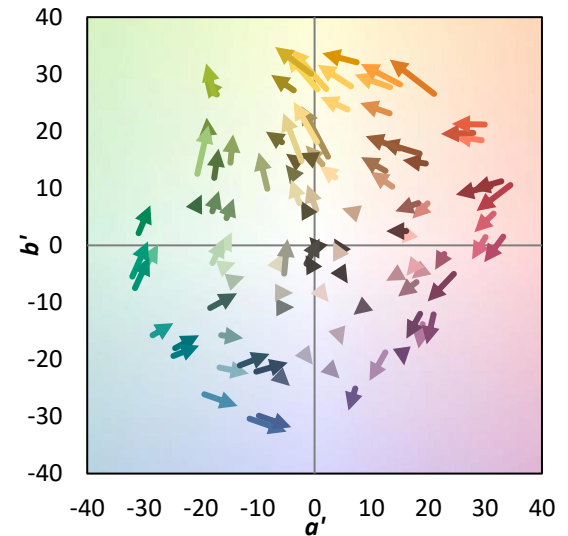
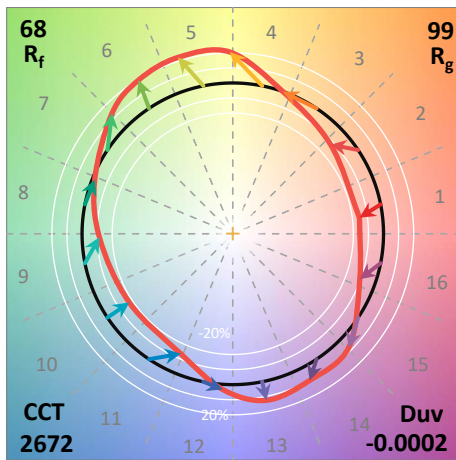
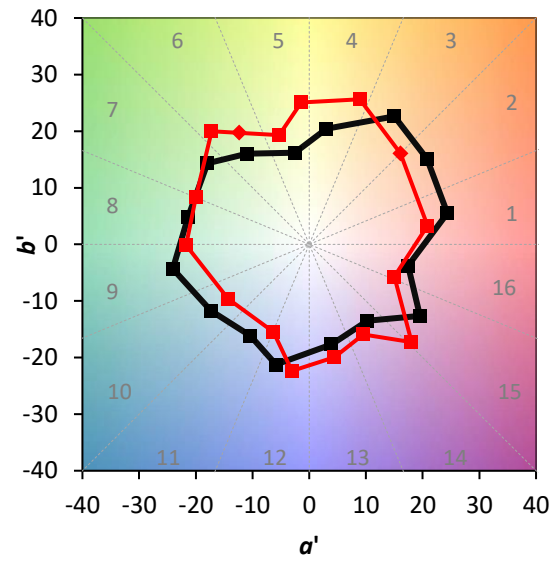
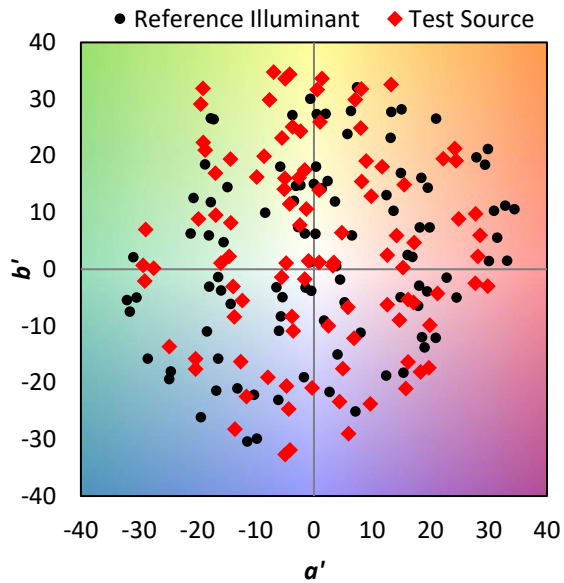
Summary

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

Spectral Power Distribution Comparison

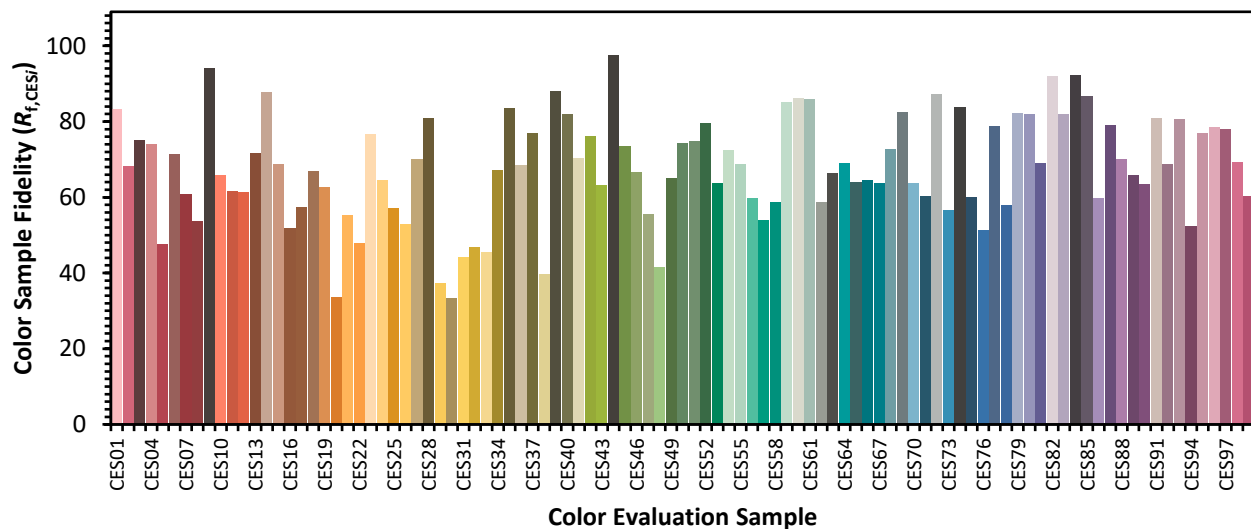


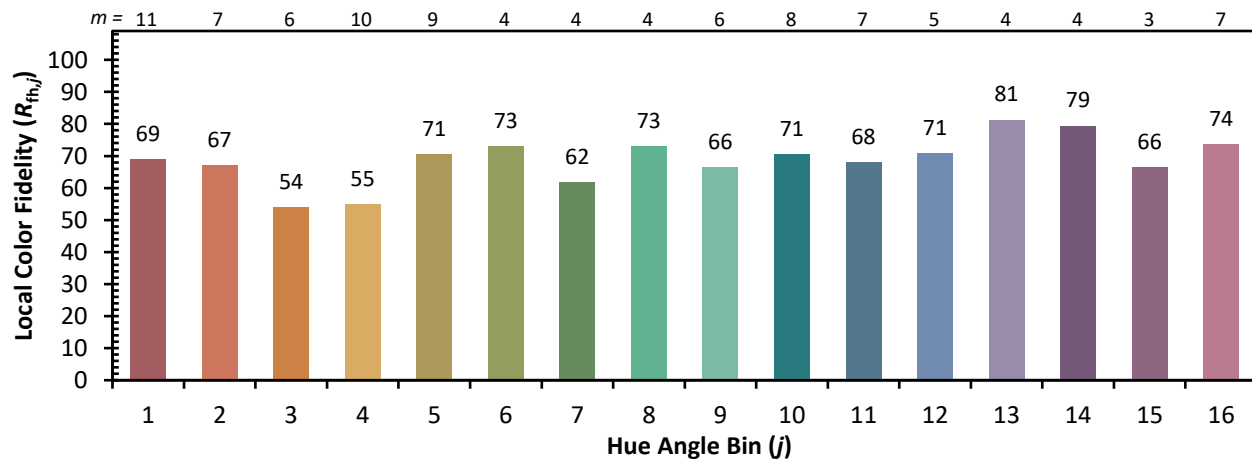
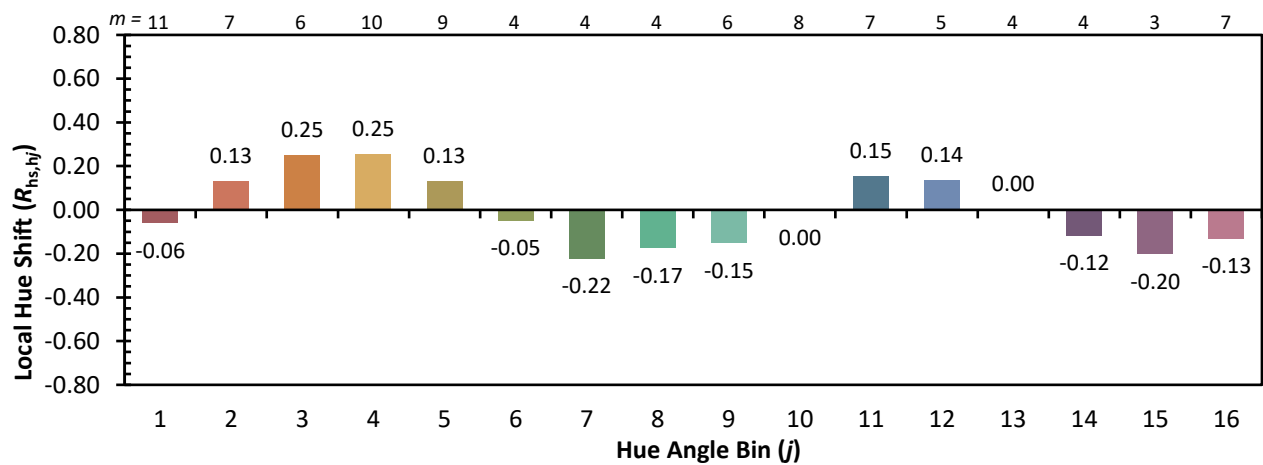
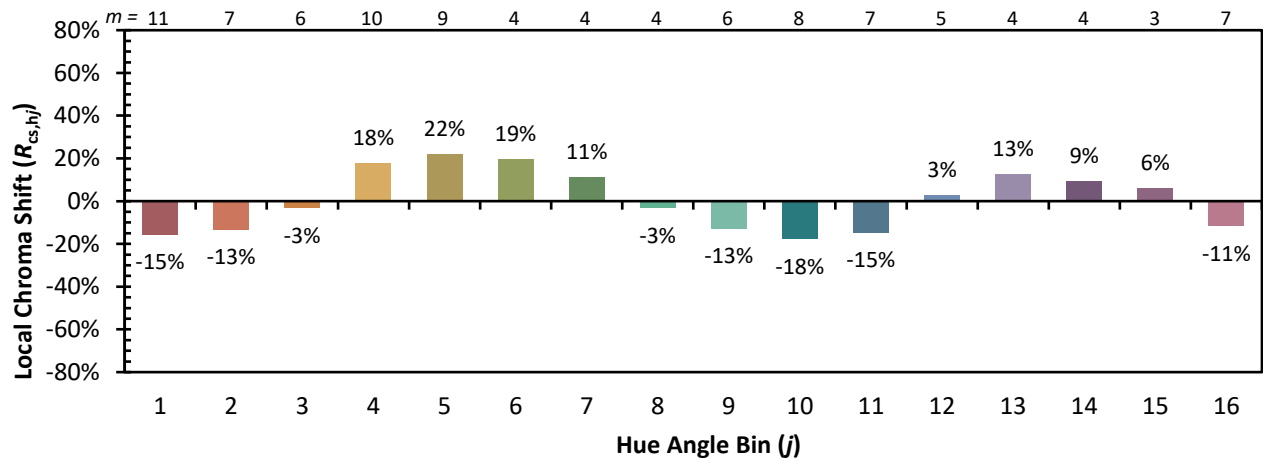
Color Vector Graphics



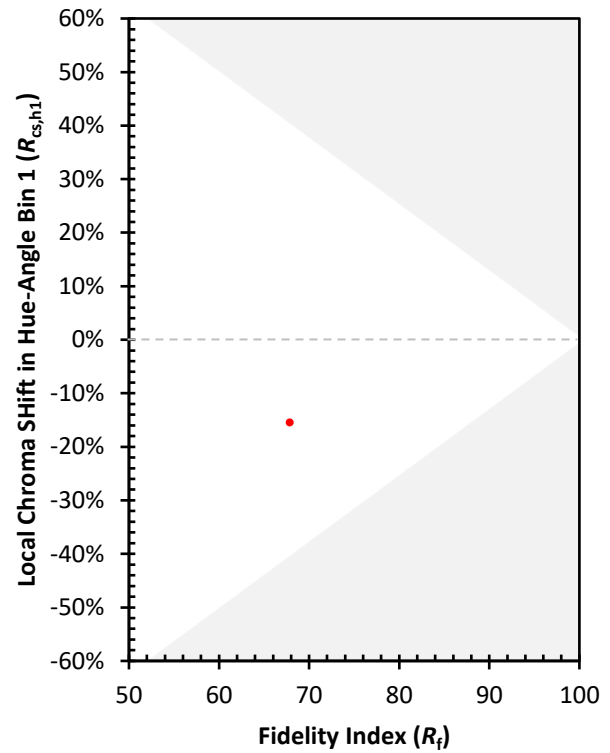
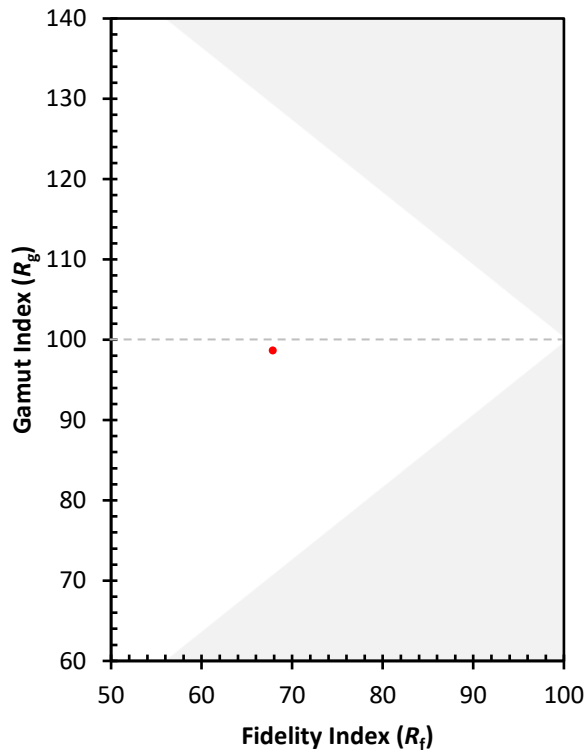
Individual Sample Fidelity Index ($R_{f,i}$)

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)