

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: P1066367

Luminaire Tested: **NVN-SA3C-827-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066367
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3C-827-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12165.4 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 140.4
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

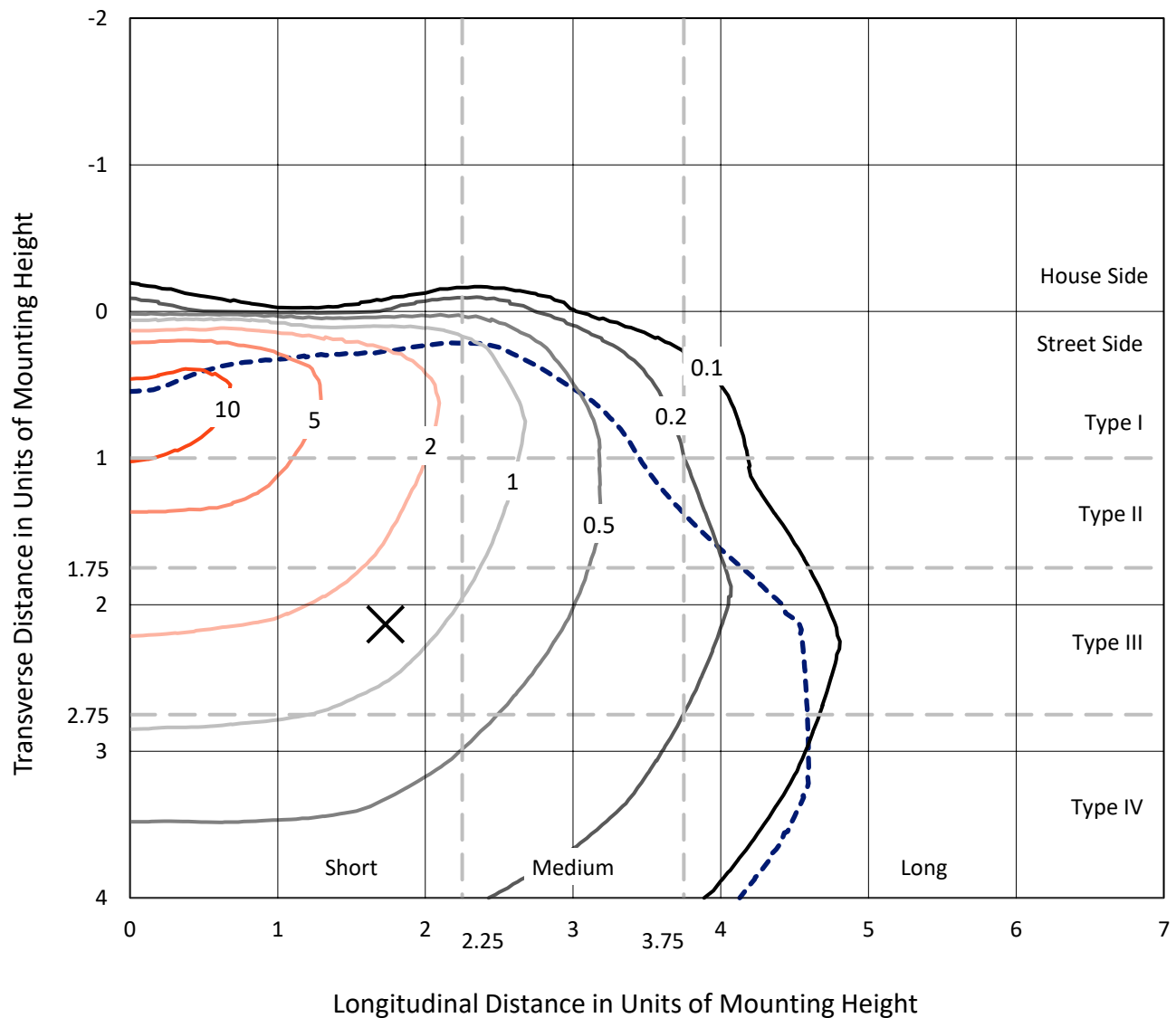


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

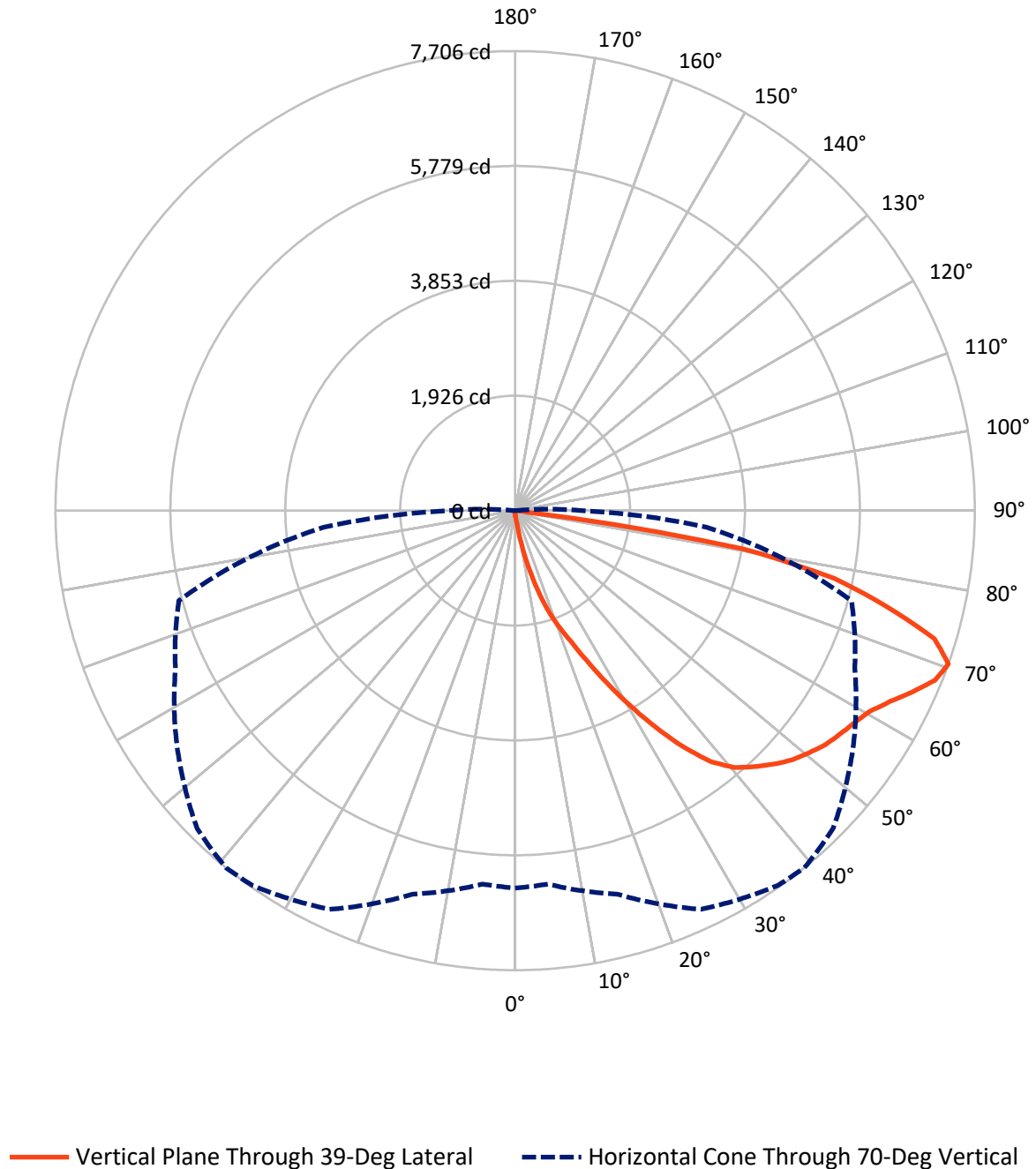


Based on 15 foot mounting height. Maximum calculated value = 13.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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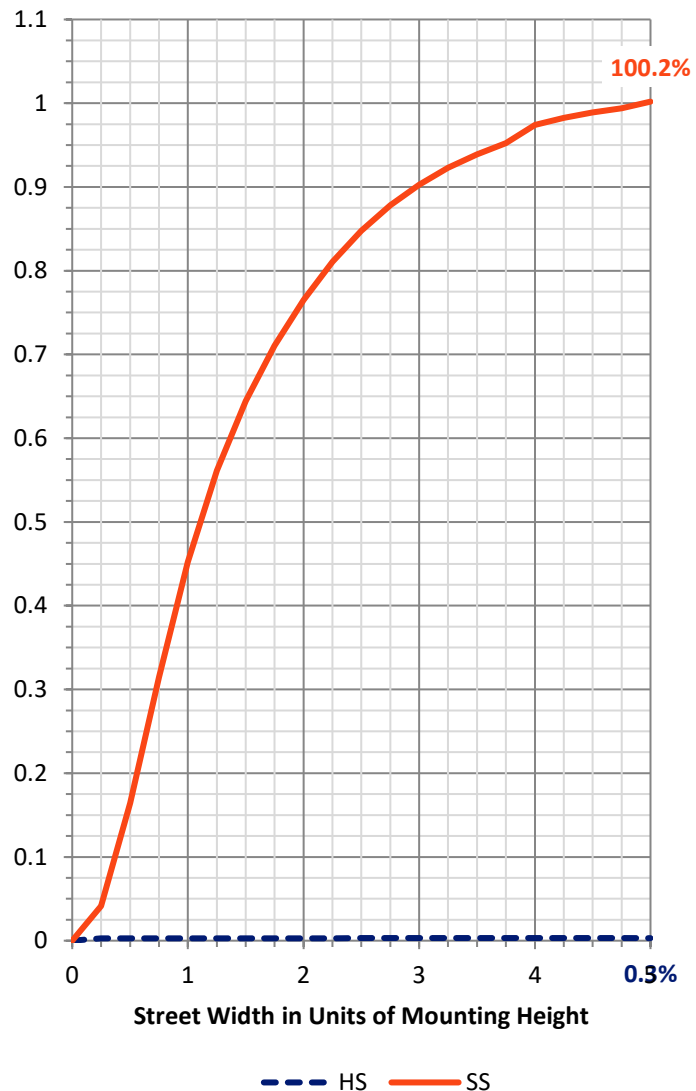
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.5	0.0	37.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	12127.9	0.0	12127.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	12165.4	0.0	12165.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.1
10°-20°	149.6	1.2
20°-30°	507.5	4.2
30°-40°	1192.8	9.8
40°-50°	1936.8	15.9
50°-60°	2454.3	20.2
60°-70°	3117.7	25.6
70°-80°	2533.1	20.8
80°-90°	260.8	2.1
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°	12165.4	100.0
0°-180°	12165.4	100.0



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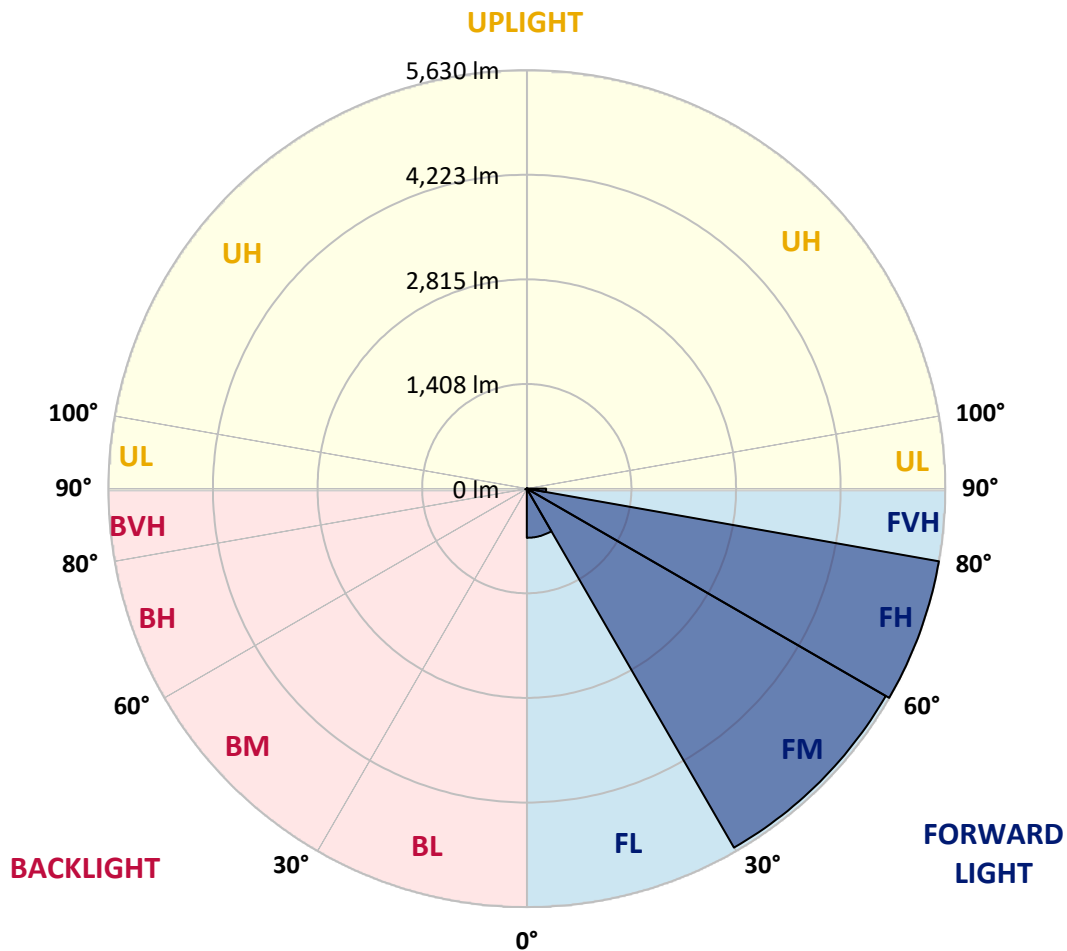
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	661.8	5.4			
FM	(30°-60°)	5576.7	45.8			
FH	(60°-80°)	5630.2	46.3			G3/7500
FVH	(80°-90°)	259.3	2.1			G3/500
BL	(0°-30°)	8.1	0.1	B0/110		
BM	(30°-60°)	7.2	0.1	B0/220		
BH	(60°-80°)	20.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2.5°	85.9	85.9	85.9	82.6	82.6	79.3	79.3	76.0	72.7	72.7	69.4
5°	161.8	165.1	155.2	135.4	122.2	115.6	109.0	92.5	82.6	76.0	69.4
7.5°	442.6	429.4	409.6	343.5	264.2	224.6	191.6	135.4	99.1	79.3	69.4
10°	931.4	895.1	838.9	749.8	594.5	531.8	412.9	247.7	138.7	89.2	69.4
12.5°	1367.4	1374.0	1304.6	1218.8	1030.5	924.8	763.0	465.7	218.0	105.7	69.4
15°	1697.7	1691.1	1664.6	1595.3	1426.8	1324.4	1179.1	782.8	366.6	132.1	72.7
17.5°	1958.6	1932.2	1922.3	1892.5	1783.5	1727.4	1568.9	1152.7	581.3	178.4	76.0
20°	2219.5	2212.9	2203.0	2170.0	2097.3	2057.7	1935.5	1525.9	865.4	254.3	82.6
22.5°	2599.4	2563.0	2569.6	2497.0	2437.5	2368.2	2269.1	1922.3	1192.3	363.3	92.5
25°	3045.2	3041.9	2989.1	2956.1	2857.0	2781.0	2648.9	2305.4	1555.6	525.2	102.4
27.5°	3570.4	3534.1	3510.9	3454.8	3352.4	3266.5	3084.9	2685.2	1948.7	706.8	115.6
30°	4118.7	4118.7	4075.7	3989.9	3890.8	3785.1	3600.1	3084.9	2338.4	938.0	132.1
32.5°	4759.4	4772.6	4666.9	4538.1	4409.3	4336.7	4095.6	3537.4	2711.7	1202.2	151.9
35°	5380.4	5363.9	5188.8	5046.8	4951.0	4871.7	4666.9	4032.8	3134.4	1509.4	178.4
37.5°	5974.9	5931.9	5641.3	5439.8	5396.9	5344.0	5139.3	4528.2	3553.9	1849.6	211.4
40°	6401.0	6334.9	6034.3	5756.9	5694.1	5664.4	5505.9	4977.4	3996.5	2229.4	254.3
42.5°	6585.9	6509.9	6301.9	6077.3	5938.6	5869.2	5730.5	5344.0	4439.0	2652.2	317.1
45°	6622.2	6562.8	6414.2	6361.3	6173.1	6067.4	5879.1	5605.0	4851.9	3071.7	402.9
47.5°	6490.1	6463.7	6374.5	6486.8	6391.0	6245.7	6017.8	5799.8	5218.5	3580.3	521.9
50°	6166.4	6146.6	6189.6	6483.5	6549.6	6384.4	6169.8	5951.8	5535.6	4105.5	690.3
52.5°	5730.5	5727.2	5928.6	6397.6	6618.9	6516.6	6318.4	6103.7	5786.6	4614.1	928.1
55°	5254.9	5311.0	5664.4	6318.4	6658.6	6612.3	6463.7	6239.1	6011.2	5086.4	1311.2
57.5°	5215.2	5192.1	5532.3	6285.4	6681.7	6708.1	6609.0	6381.1	6202.8	5472.8	1823.2
60°	5611.6	5558.7	5687.5	6354.7	6784.1	6830.3	6754.4	6490.1	6394.3	5776.7	2497.0
62.5°	6070.7	6021.1	6087.2	6622.2	6985.6	7051.6	6955.8	6602.4	6549.6	5988.1	3220.3
65°	6437.3	6397.6	6523.2	7021.9	7266.3	7322.5	7256.4	6810.5	6618.9	6159.8	3808.2
67.5°	6496.7	6447.2	6708.1	7289.4	7550.3	7590.0	7537.1	7012.0	6595.8	6173.1	3943.6
70°	6328.3	6285.4	6658.6	7375.3	7672.6	7705.6	7537.1	6916.2	6282.0	5836.2	3223.6
72.5°	5809.7	5842.8	6325.0	7167.2	7504.1	7352.2	6995.5	6434.0	5875.8	4947.7	2262.5
75°	5003.8	5040.2	5680.9	6595.8	6622.2	6437.3	6245.7	5918.7	5258.2	3259.9	1568.9
77.5°	3557.2	3428.4	4386.2	5446.4	5350.6	5469.5	5486.1	4924.6	4402.7	1697.7	1050.3
80°	350.1	297.3	551.6	1562.3	3451.5	3857.7	4016.3	3795.0	3246.7	759.7	551.6
82.5°	76.0	76.0	82.6	89.2	138.7	208.1	954.5	2338.4	2097.3	386.4	178.4
85°	42.9	42.9	52.8	62.8	82.6	92.5	109.0	145.3	564.8	138.7	33.0
87.5°	33.0	36.3	42.9	52.8	69.4	76.0	92.5	115.6	142.0	128.8	9.9
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-SA3C-827-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2.5°	69.4	66.1	62.8	59.5	56.1	56.1	52.8	52.8	52.8	52.8	52.8
5°	66.1	62.8	59.5	52.8	49.5	46.2	42.9	42.9	42.9	42.9	42.9
7.5°	66.1	62.8	56.1	49.5	42.9	39.6	36.3	33.0	33.0	36.3	36.3
10°	66.1	59.5	49.5	42.9	36.3	33.0	29.7	26.4	26.4	26.4	26.4
12.5°	62.8	56.1	46.2	39.6	33.0	26.4	19.8	16.5	16.5	16.5	16.5
15°	59.5	52.8	42.9	33.0	23.1	16.5	13.2	9.9	9.9	9.9	9.9
17.5°	59.5	49.5	39.6	29.7	16.5	9.9	6.6	3.3	3.3	3.3	6.6
20°	59.5	49.5	36.3	23.1	9.9	6.6	6.6	3.3	0.0	3.3	3.3
22.5°	59.5	46.2	29.7	16.5	9.9	6.6	3.3	0.0	0.0	0.0	0.0
25°	62.8	46.2	26.4	13.2	6.6	3.3	0.0	0.0	0.0	0.0	0.0
27.5°	62.8	42.9	23.1	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	66.1	42.9	19.8	6.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	66.1	39.6	13.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	66.1	36.3	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	66.1	33.0	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	69.4	29.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	72.7	26.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	76.0	23.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	85.9	23.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	99.1	23.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	118.9	23.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	155.2	19.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	224.6	19.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	376.5	19.8	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	660.6	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1116.4	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1456.6	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1106.5	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	528.5	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	234.5	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	102.4	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	39.6	6.6	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
82.5°	16.5	6.6	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
85°	9.9	6.6	6.6	6.6	3.3	3.3	3.3	0.0	0.0	0.0	0.0
87.5°	6.6	6.6	6.6	6.6	6.6	3.3	3.3	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

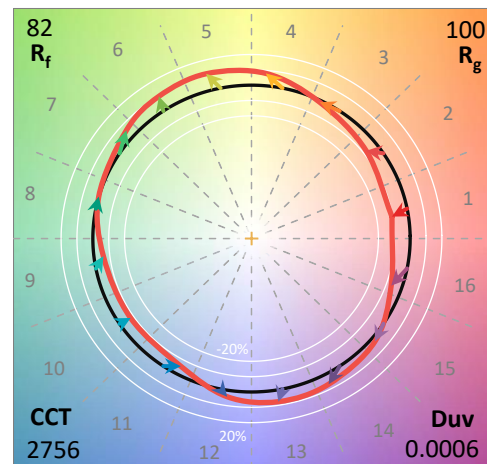
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 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-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

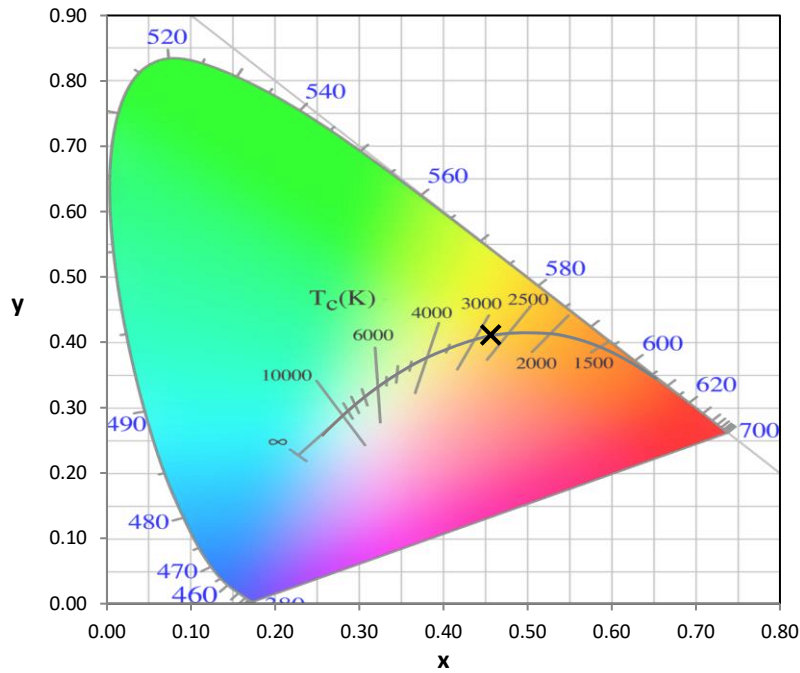
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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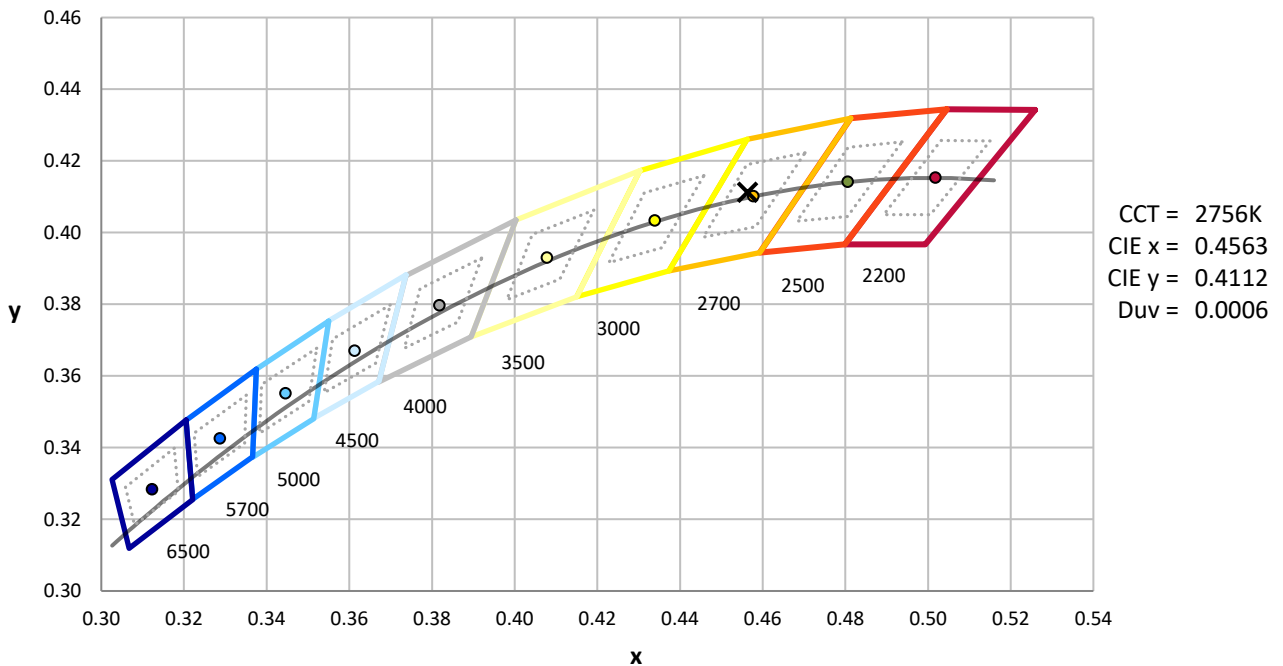
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



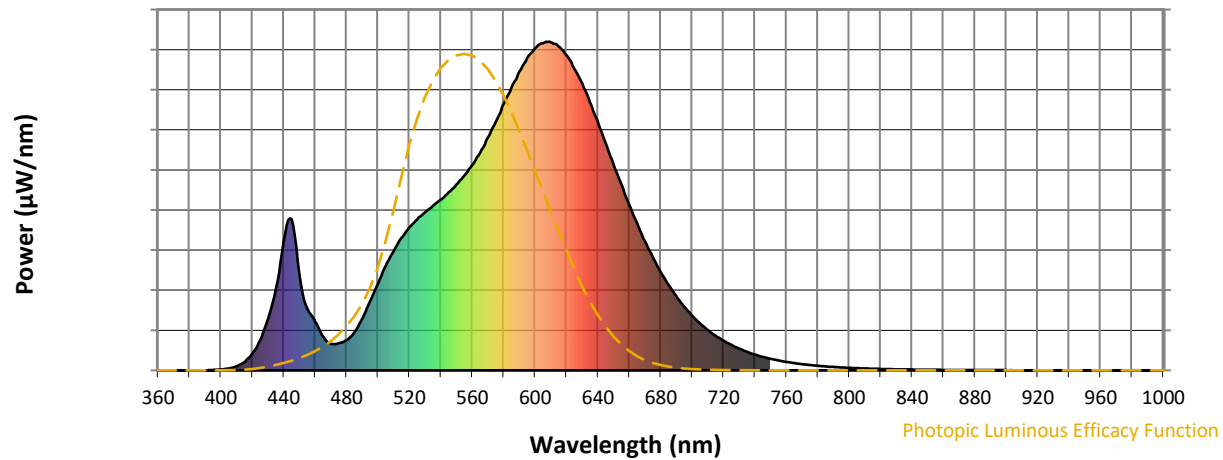
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

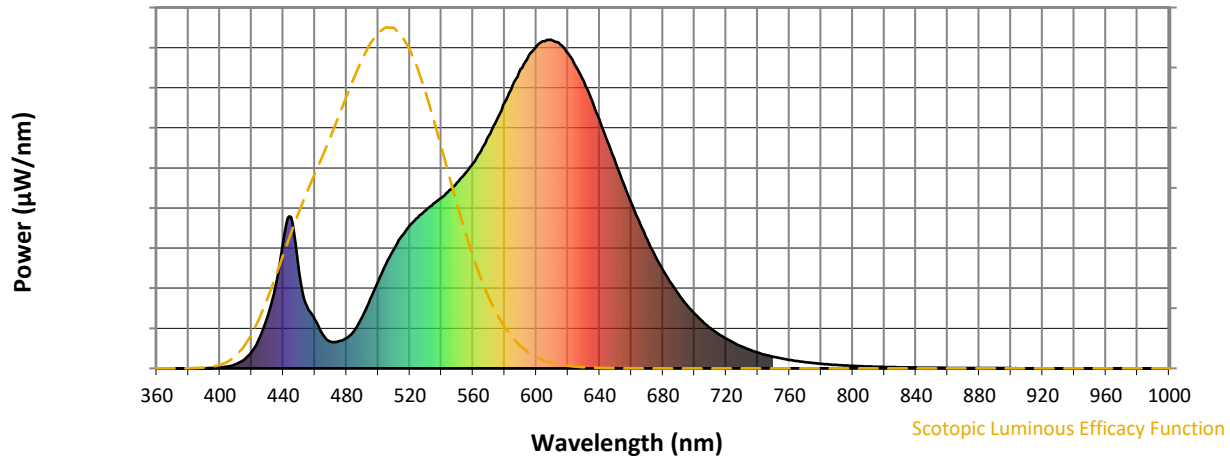


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



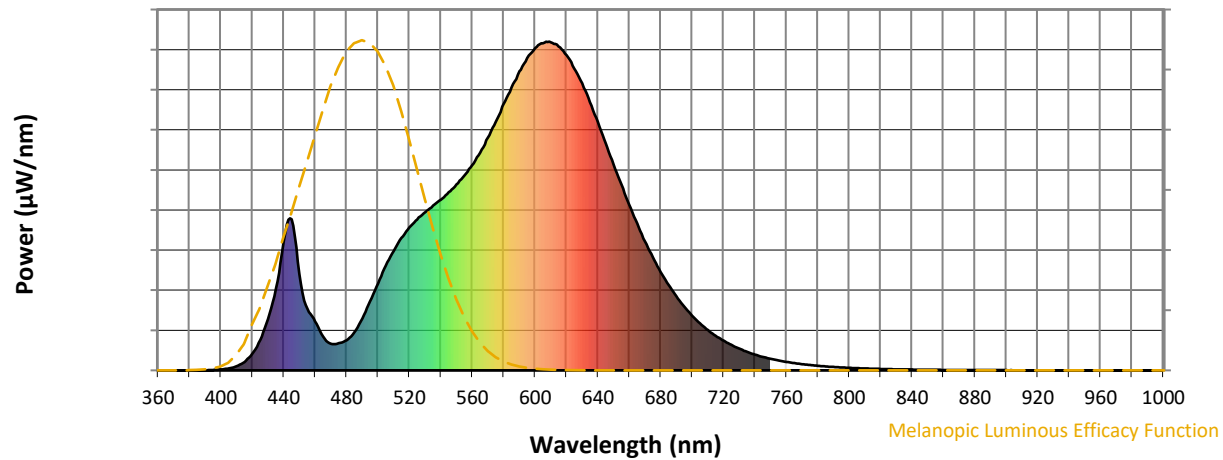
Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.16

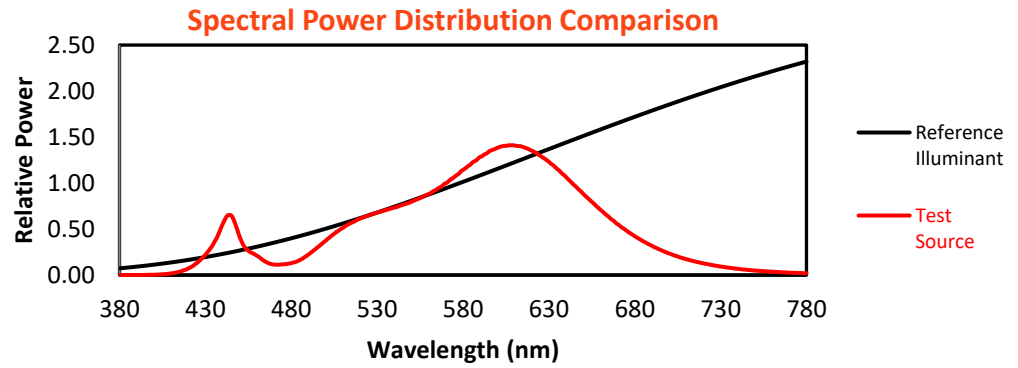
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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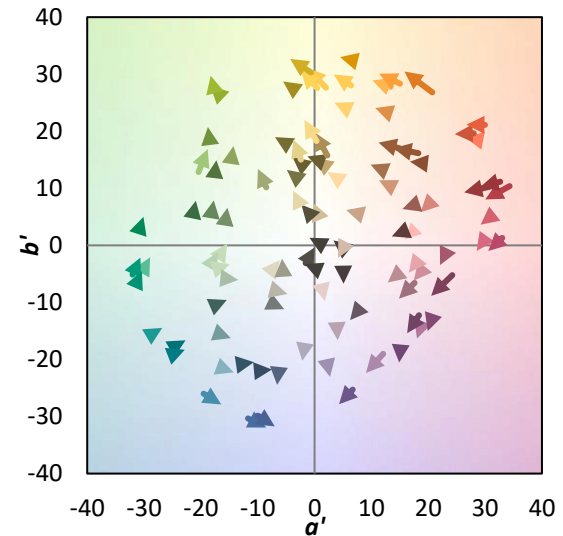
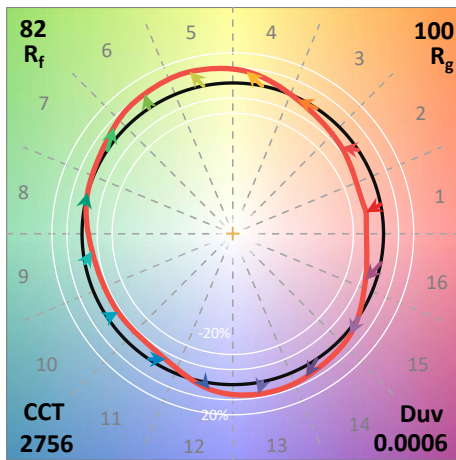
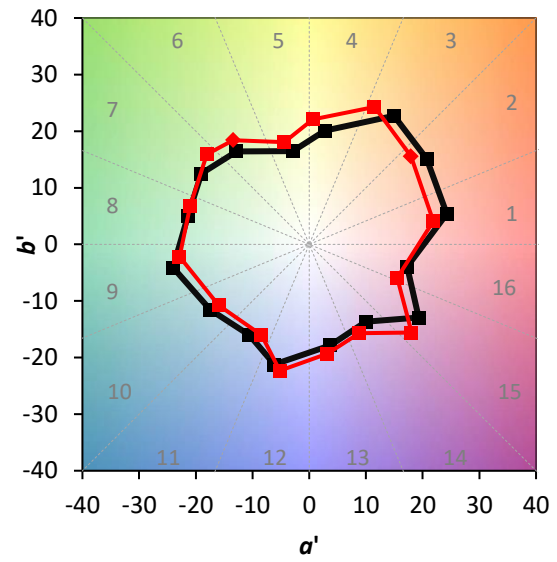
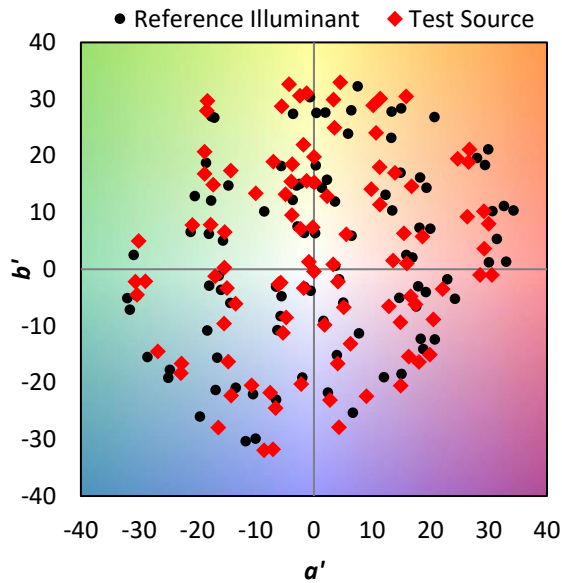
TM-30-18

Summary

$R_f = 82.2$
 $R_g = 99.9$
 $CIE R_a = 82.9$
 $R_9 = 10.8$

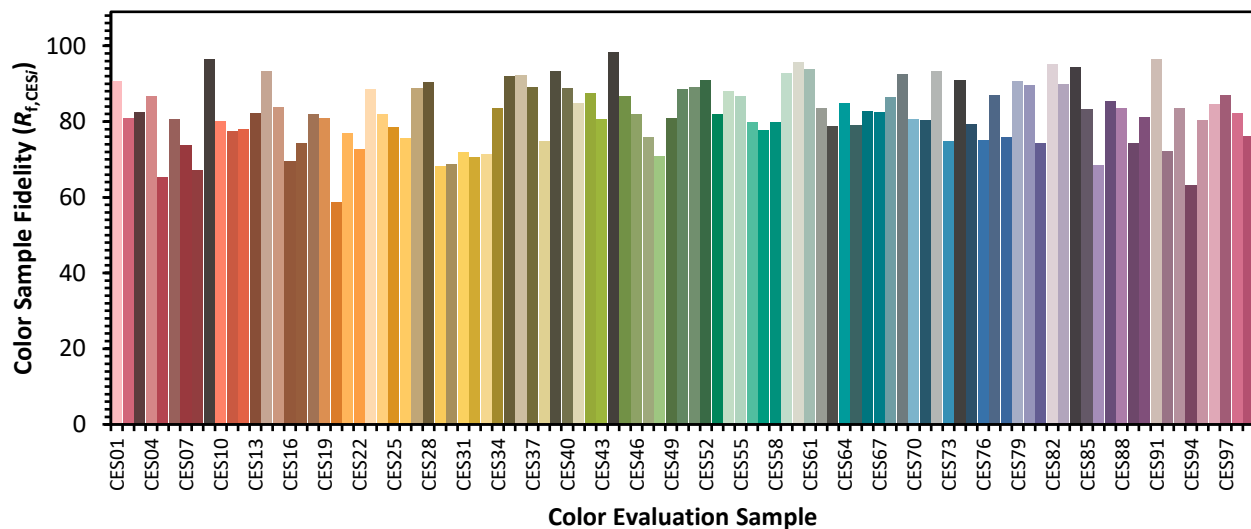


Color Vector Graphics

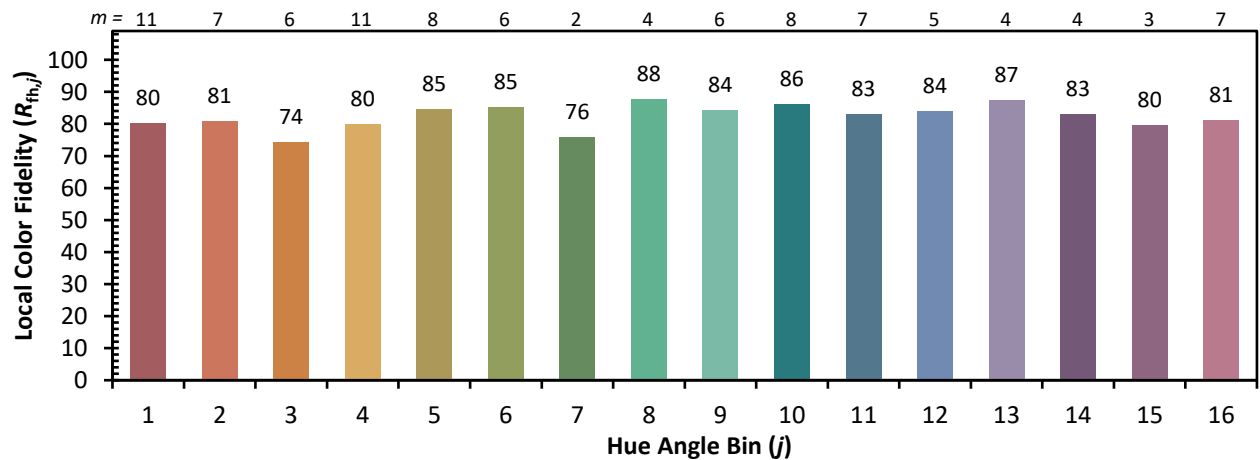
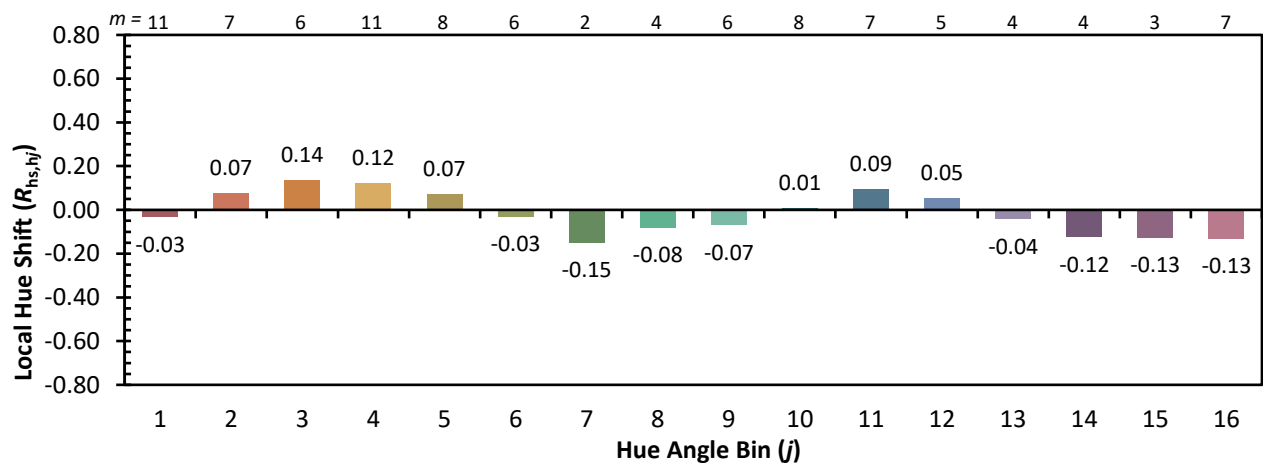
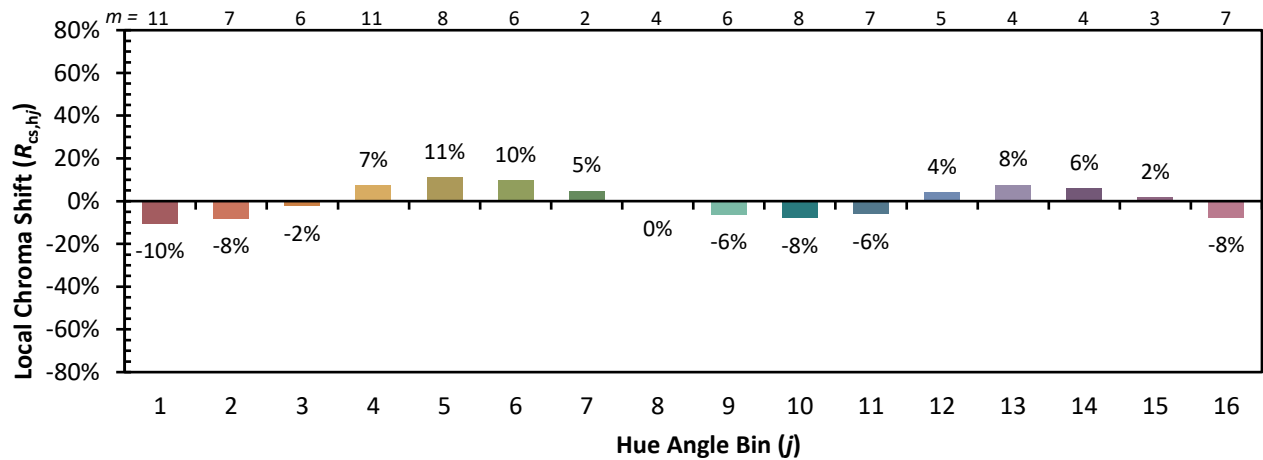


Individual Sample Fidelity Index ($R_{f,i}$)

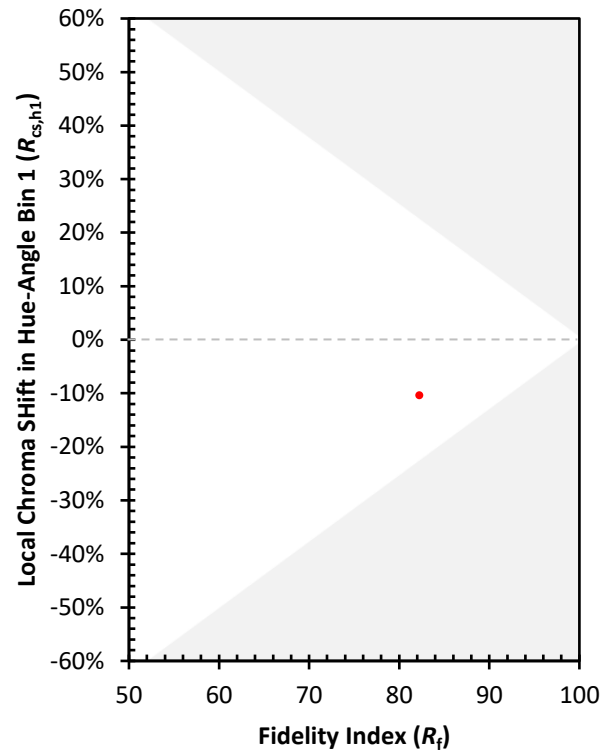
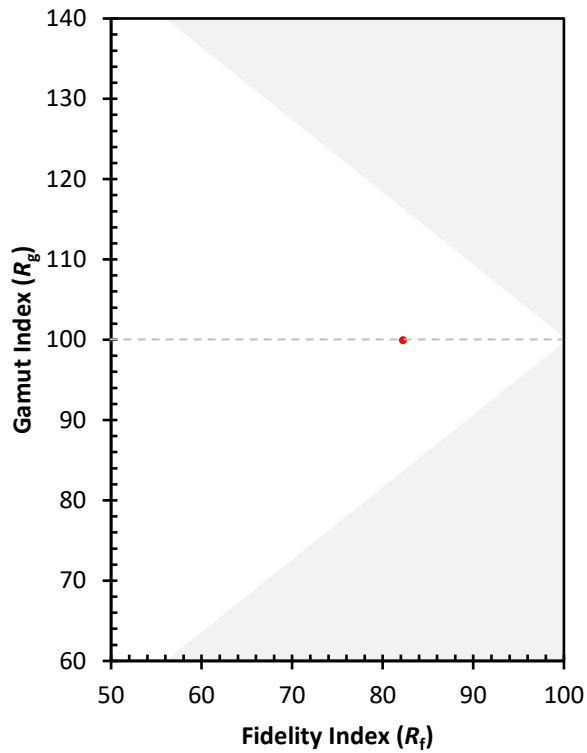
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)