

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: LUMARK

Report Number: P1067573

Luminaire Tested: **NAV-SA5A-827-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067573
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-827-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13014.3 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 137.4
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

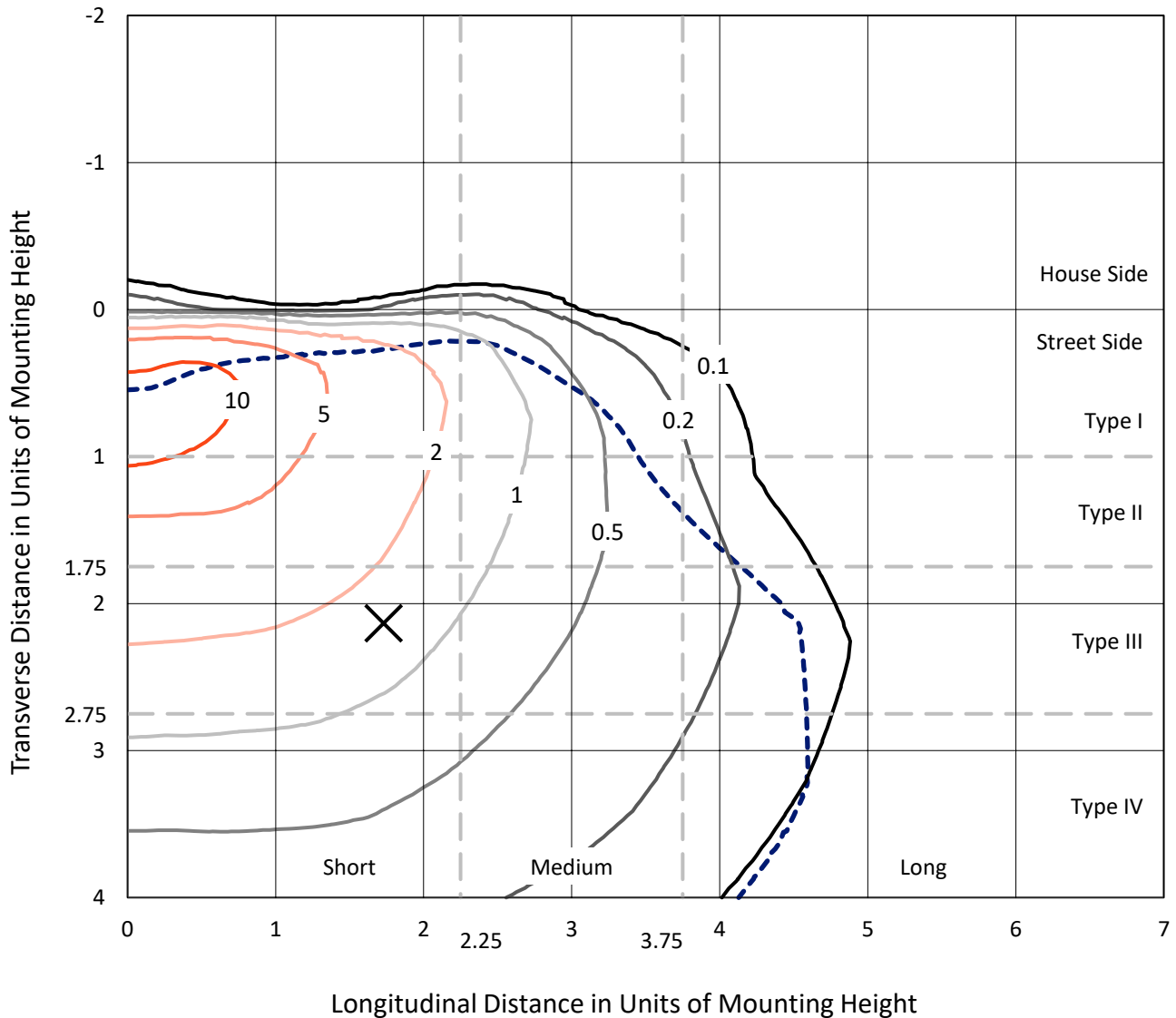


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

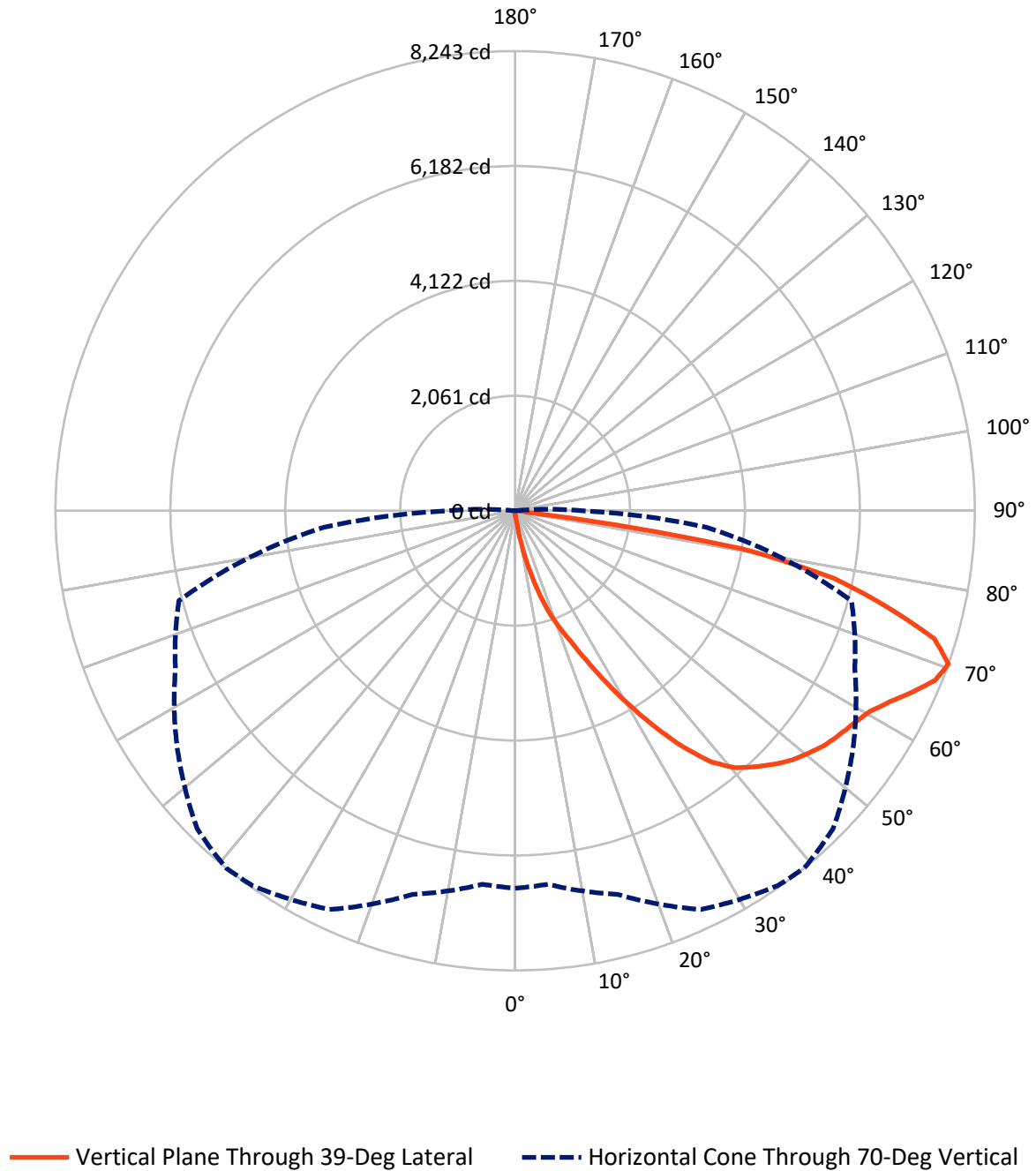


Based on 15 foot mounting height. Maximum calculated value = 14.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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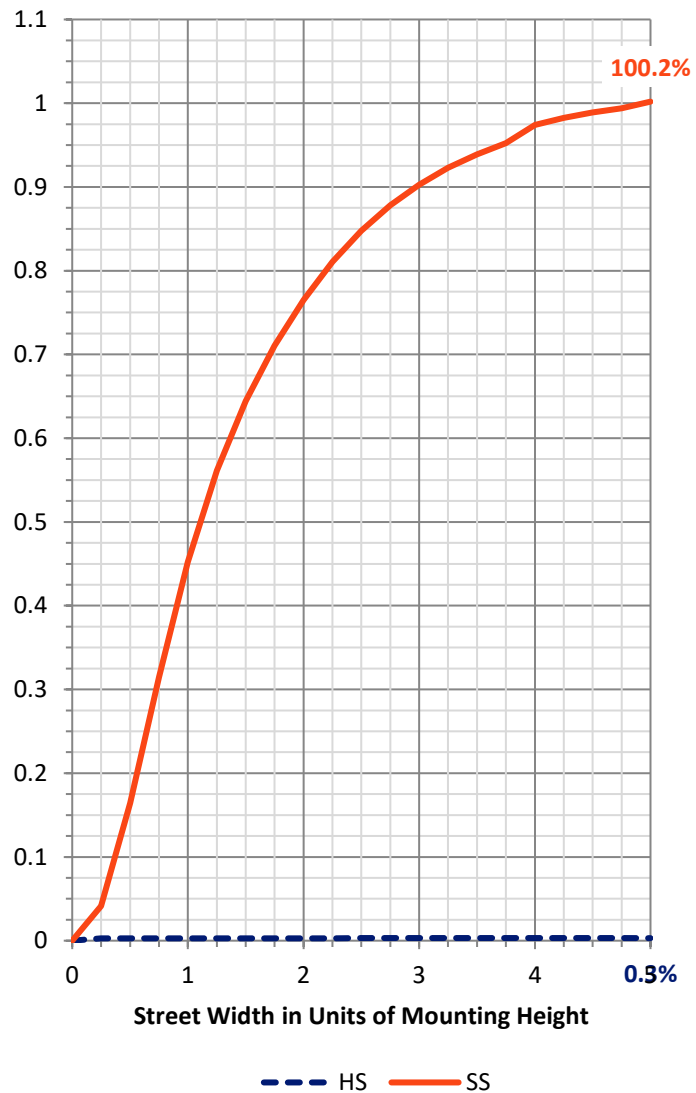
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40.1	0.0	40.1
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	12974.2	0.0	12974.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	13014.3	0.0	13014.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	160.0	1.2
20°-30°	542.9	4.2
30°-40°	1276.0	9.8
40°-50°	2072.0	15.9
50°-60°	2625.6	20.2
60°-70°	3335.2	25.6
70°-80°	2709.8	20.8
80°-90°	279.0	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°	13014.3	100.0
0°-180°	13014.3	100.0



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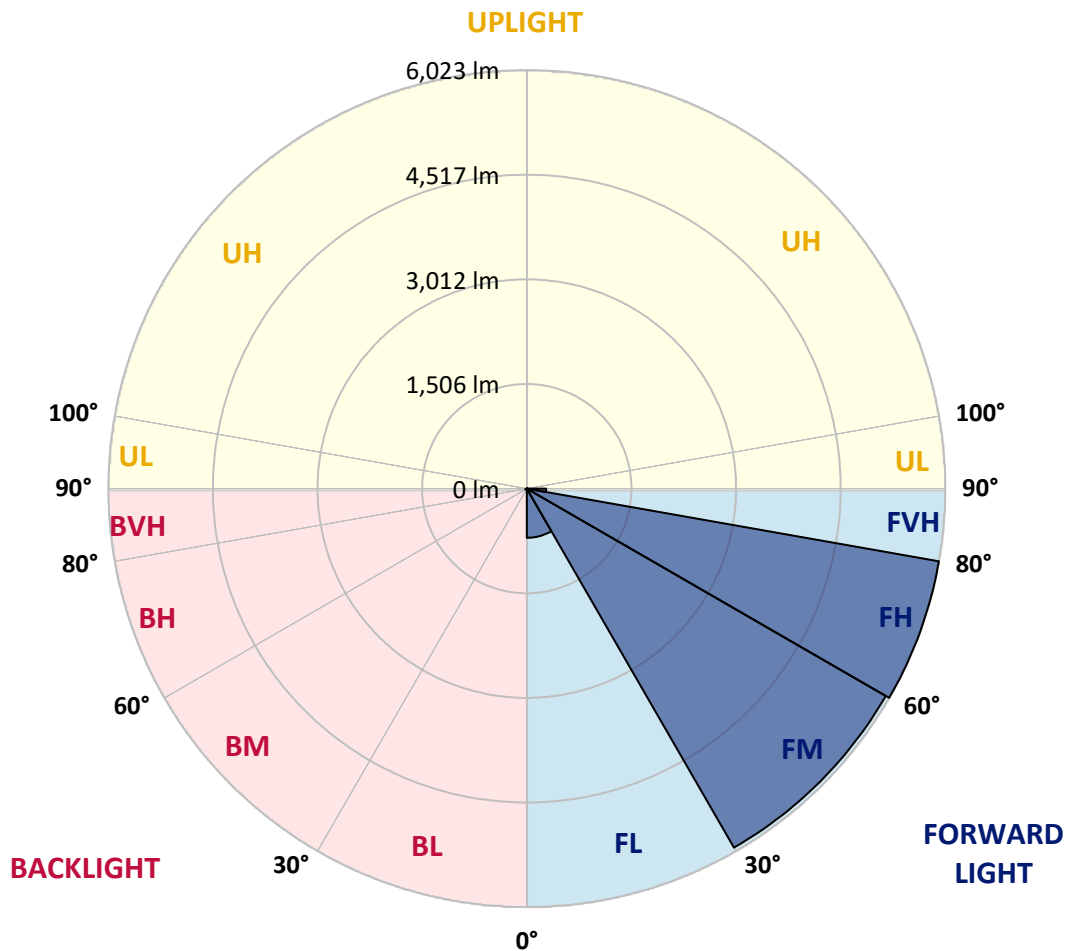
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.0	5.4			
FM	(30°-60°)	5965.9	45.8			
FH	(60°-80°)	6023.0	46.3			G3/7500
FVH	(80°-90°)	277.3	2.1			G3/500
BL	(0°-30°)	8.7	0.1	B0/110		
BM	(30°-60°)	7.7	0.1	B0/220		
BH	(60°-80°)	22.0	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2.5°	91.9	91.9	91.9	88.3	88.3	84.8	84.8	81.3	77.7	77.7	74.2
5°	173.1	176.7	166.1	144.9	130.7	123.7	116.6	98.9	88.3	81.3	74.2
7.5°	473.5	459.3	438.1	367.5	282.7	240.3	204.9	144.9	106.0	84.8	74.2
10°	996.4	957.5	897.5	802.1	636.0	568.9	441.7	265.0	148.4	95.4	74.2
12.5°	1462.8	1469.9	1395.7	1303.8	1102.4	989.3	816.2	498.2	233.2	113.1	74.2
15°	1816.1	1809.1	1780.8	1706.6	1526.4	1416.9	1261.4	837.4	392.2	141.3	77.7
17.5°	2095.3	2067.0	2056.4	2024.6	1908.0	1847.9	1678.3	1233.1	621.9	190.8	81.3
20°	2374.4	2367.3	2356.7	2321.4	2243.7	2201.3	2070.5	1632.4	925.7	272.1	88.3
22.5°	2780.7	2741.9	2748.9	2671.2	2607.6	2533.4	2427.4	2056.4	1275.5	388.7	98.9
25°	3257.7	3254.2	3197.7	3162.3	3056.3	2975.1	2833.7	2466.3	1664.2	561.8	109.5
27.5°	3819.5	3780.7	3755.9	3695.9	3586.3	3494.5	3300.1	2872.6	2084.7	756.1	123.7
30°	4406.1	4406.1	4360.1	4268.3	4162.3	4049.2	3851.3	3300.1	2501.6	1003.5	141.3
32.5°	5091.5	5105.7	4992.6	4854.8	4717.0	4639.3	4381.3	3784.2	2900.9	1286.1	162.5
35°	5755.8	5738.1	5550.9	5398.9	5296.5	5211.7	4992.6	4314.2	3353.1	1614.7	190.8
37.5°	6391.8	6345.9	6034.9	5819.4	5773.5	5716.9	5497.9	4844.2	3801.9	1978.7	226.1
40°	6847.6	6776.9	6455.4	6158.6	6091.5	6059.7	5890.1	5324.7	4275.3	2385.0	272.1
42.5°	7045.5	6964.2	6741.6	6501.3	6352.9	6278.7	6130.3	5716.9	4748.8	2837.3	339.2
45°	7084.3	7020.7	6861.7	6805.2	6603.8	6490.7	6289.3	5996.1	5190.5	3286.0	431.1
47.5°	6943.0	6914.7	6819.3	6939.5	6837.0	6681.5	6437.7	6204.5	5582.7	3830.1	558.3
50°	6596.7	6575.5	6621.5	6935.9	7006.6	6829.9	6600.3	6367.1	5921.9	4391.9	738.5
52.5°	6130.3	6126.8	6342.3	6844.1	7080.8	6971.3	6759.3	6529.6	6190.4	4936.1	992.9
55°	5621.5	5681.6	6059.7	6759.3	7123.2	7073.7	6914.7	6674.5	6430.7	5441.3	1402.7
57.5°	5579.1	5554.4	5918.3	6723.9	7147.9	7176.2	7070.2	6826.4	6635.6	5854.7	1950.4
60°	6003.1	5946.6	6084.4	6798.1	7257.5	7306.9	7225.7	6943.0	6840.5	6179.8	2671.2
62.5°	6494.3	6441.3	6511.9	7084.3	7473.0	7543.7	7441.2	7063.1	7006.6	6405.9	3445.0
65°	6886.5	6844.1	6978.3	7511.9	7773.3	7833.4	7762.7	7285.7	7080.8	6589.7	4073.9
67.5°	6950.1	6897.1	7176.2	7798.1	8077.2	8119.6	8063.1	7501.3	7056.1	6603.8	4218.8
70°	6769.9	6723.9	7123.2	7889.9	8207.9	8243.3	8063.1	7398.8	6720.4	6243.4	3448.5
72.5°	6215.1	6250.5	6766.3	7667.3	8027.7	7865.2	7483.6	6882.9	6285.8	5292.9	2420.3
75°	5353.0	5391.9	6077.3	7056.1	7084.3	6886.5	6681.5	6331.7	5625.1	3487.4	1678.3
77.5°	3805.4	3667.6	4692.3	5826.5	5724.0	5851.2	5868.9	5268.2	4709.9	1816.1	1123.6
80°	374.5	318.0	590.1	1671.3	3692.3	4126.9	4296.5	4059.8	3473.3	812.7	590.1
82.5°	81.3	81.3	88.3	95.4	148.4	222.6	1021.1	2501.6	2243.7	413.4	190.8
85°	45.9	45.9	56.5	67.1	88.3	98.9	116.6	155.5	604.2	148.4	35.3
87.5°	35.3	38.9	45.9	56.5	74.2	81.3	98.9	123.7	151.9	137.8	10.6
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: NAV-SA5A-827-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2.5°	74.2	70.7	67.1	63.6	60.1	60.1	56.5	56.5	56.5	56.5	56.5
5°	70.7	67.1	63.6	56.5	53.0	49.5	45.9	45.9	45.9	45.9	45.9
7.5°	70.7	67.1	60.1	53.0	45.9	42.4	38.9	35.3	35.3	38.9	38.9
10°	70.7	63.6	53.0	45.9	38.9	35.3	31.8	28.3	28.3	28.3	28.3
12.5°	67.1	60.1	49.5	42.4	35.3	28.3	21.2	17.7	17.7	17.7	17.7
15°	63.6	56.5	45.9	35.3	24.7	17.7	14.1	10.6	10.6	10.6	10.6
17.5°	63.6	53.0	42.4	31.8	17.7	10.6	7.1	3.5	3.5	3.5	7.1
20°	63.6	53.0	38.9	24.7	10.6	7.1	7.1	3.5	0.0	3.5	3.5
22.5°	63.6	49.5	31.8	17.7	10.6	7.1	3.5	0.0	0.0	0.0	0.0
25°	67.1	49.5	28.3	14.1	7.1	3.5	0.0	0.0	0.0	0.0	0.0
27.5°	67.1	45.9	24.7	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0
30°	70.7	45.9	21.2	7.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	70.7	42.4	14.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	70.7	38.9	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	70.7	35.3	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	74.2	31.8	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	77.7	28.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	81.3	24.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	91.9	24.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	106.0	24.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	127.2	24.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	166.1	21.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	240.3	21.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	402.8	21.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	706.7	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1194.3	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1558.2	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1183.7	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	565.3	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	250.9	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	109.5	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.4	7.1	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	17.7	7.1	3.5	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0
85°	10.6	7.1	7.1	7.1	3.5	3.5	3.5	0.0	0.0	0.0	0.0
87.5°	7.1	7.1	7.1	7.1	7.1	3.5	3.5	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: SP1-2407-184-8

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

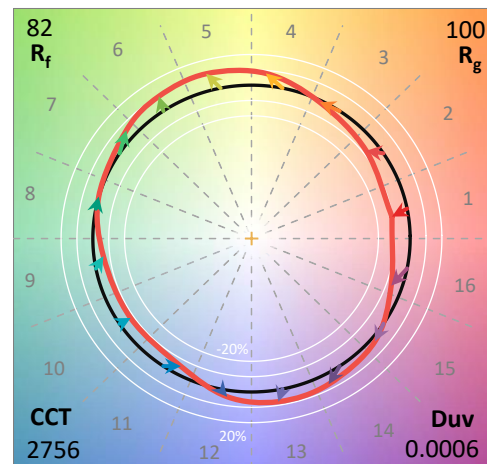
Test Information

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

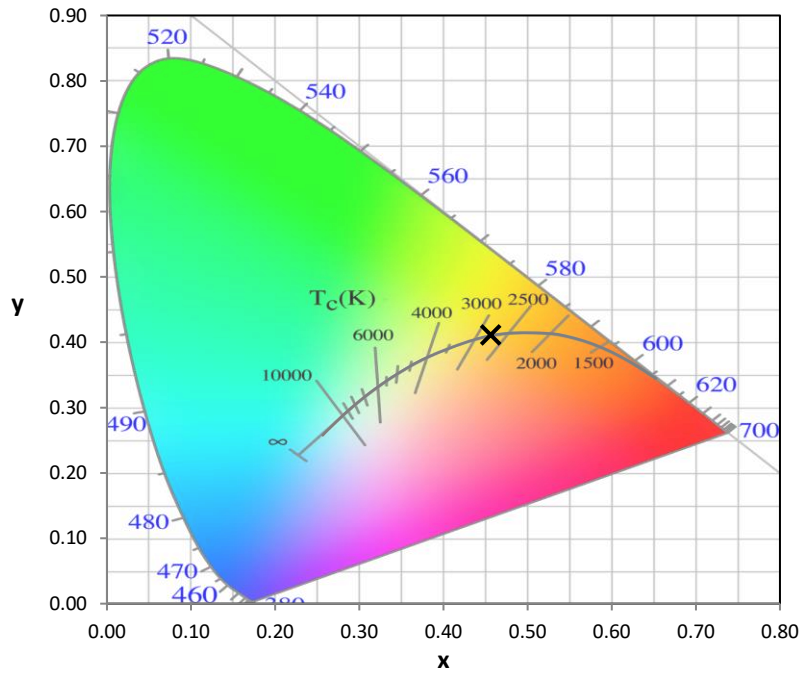
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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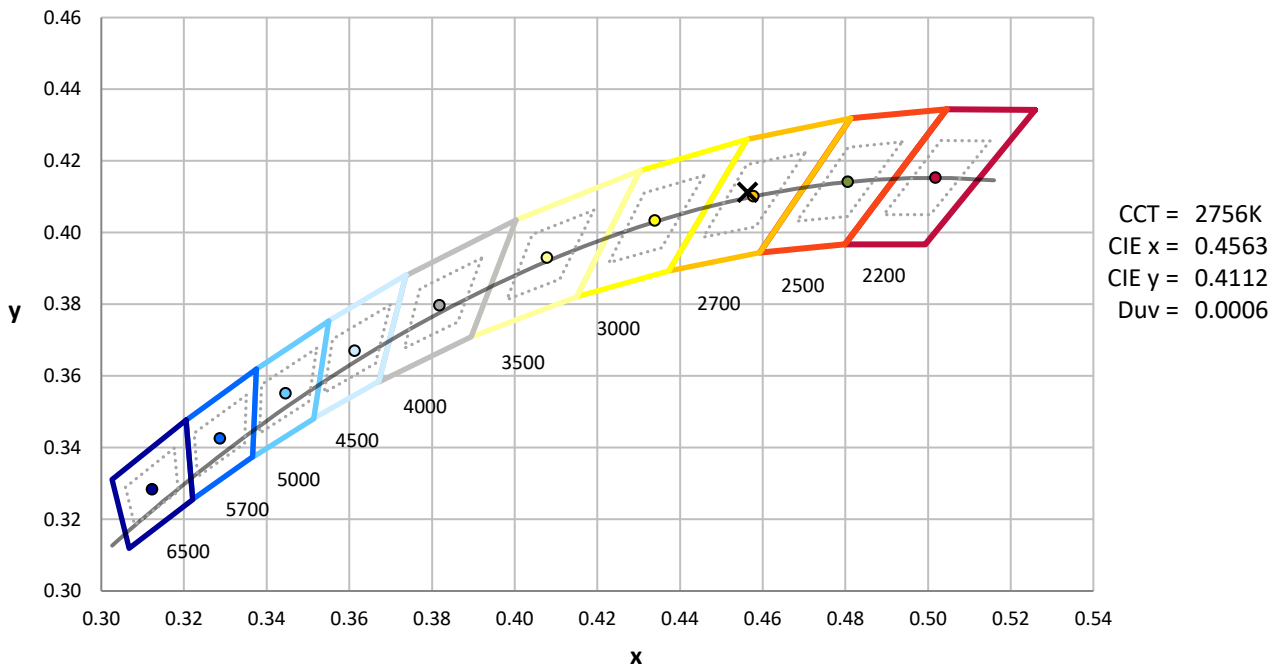
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

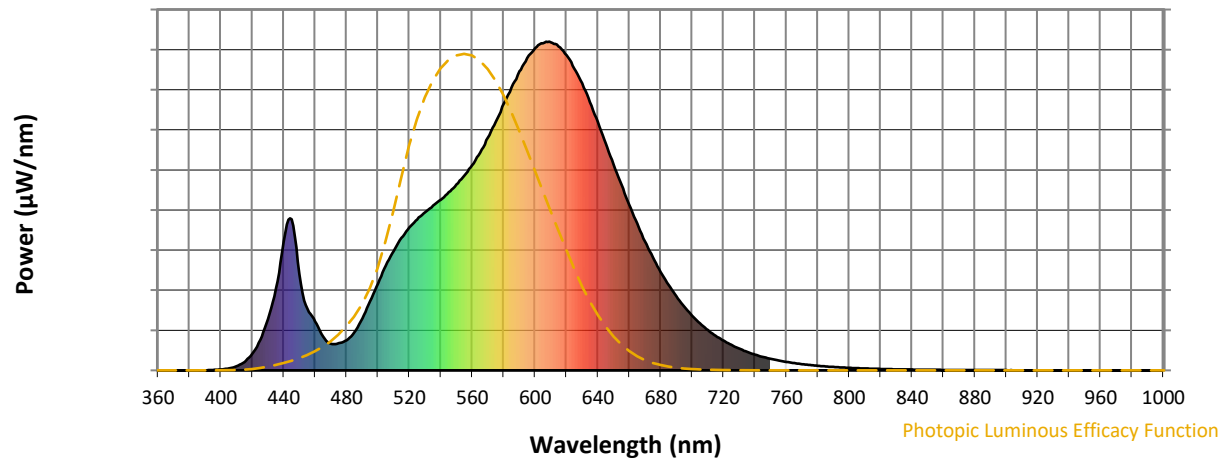


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

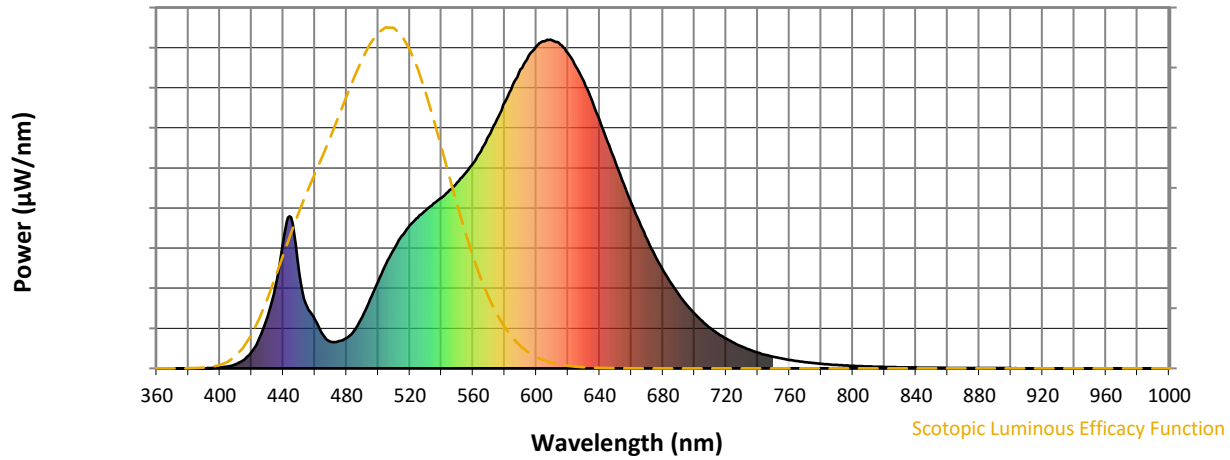
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Photopic Flux vs. Wavelength

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



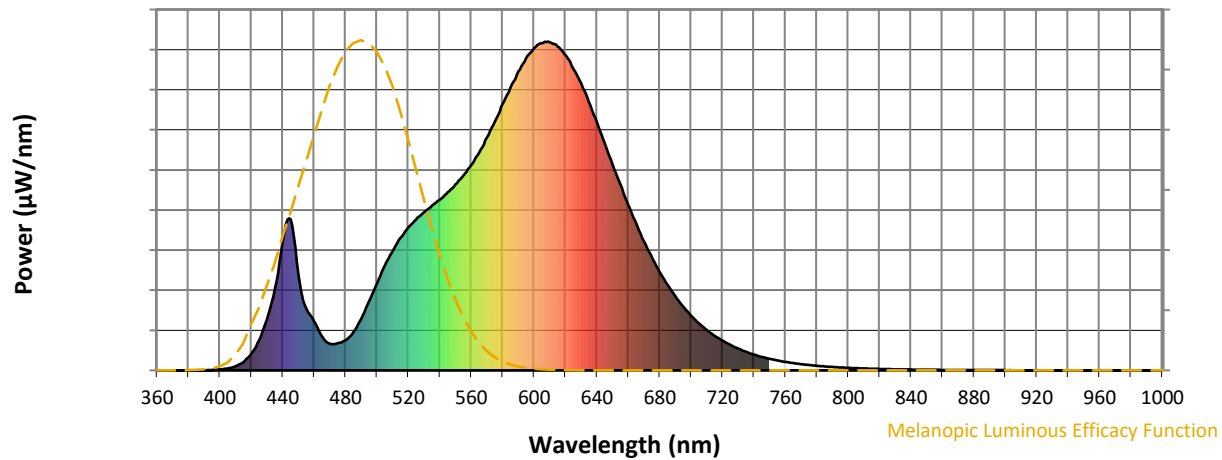
Scotopic Lumens: NR

S/P: 1.2

λ (nm)	Power W [^] /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	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

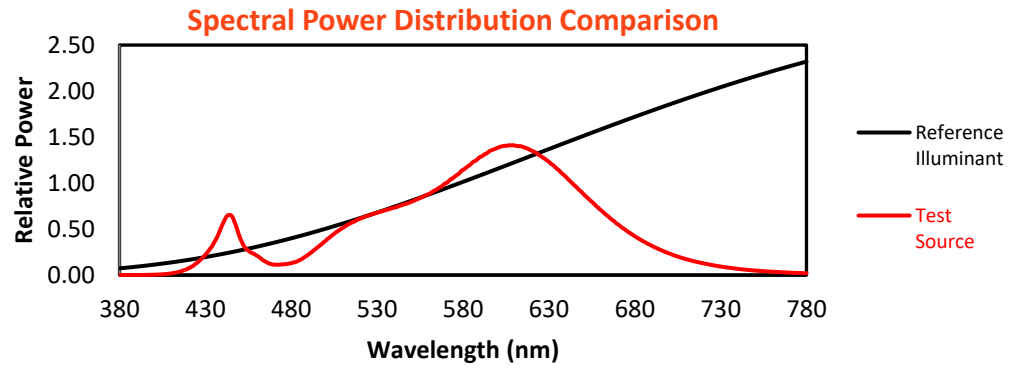
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	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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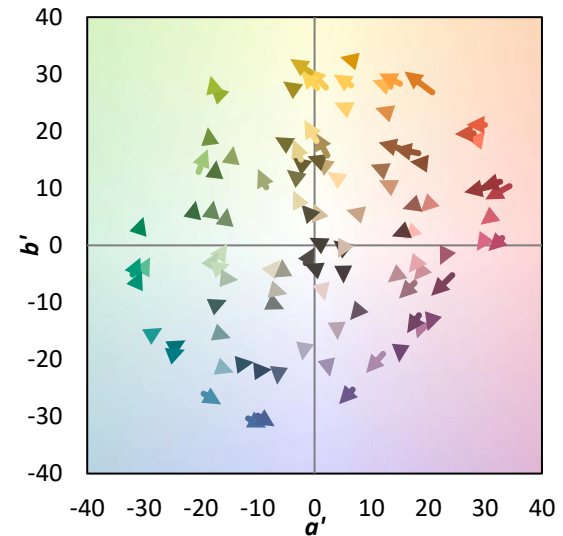
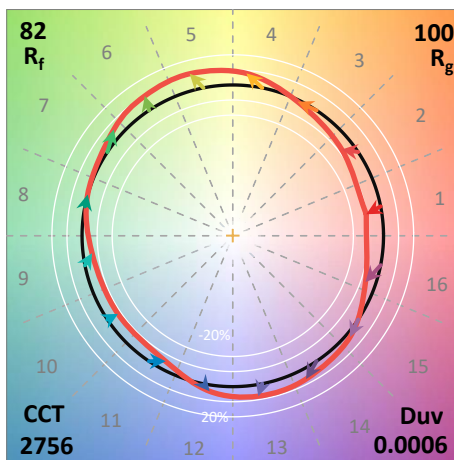
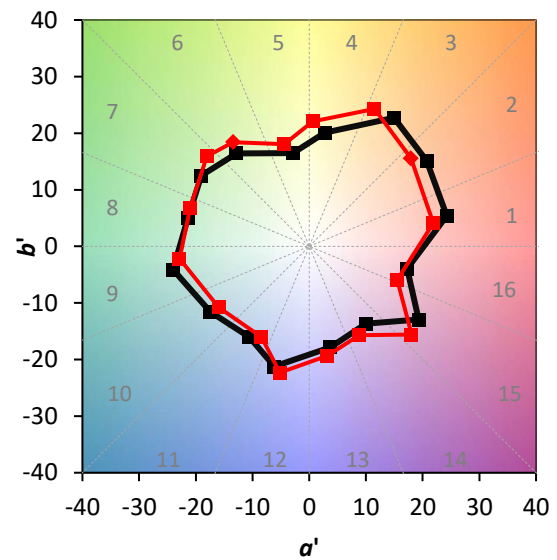
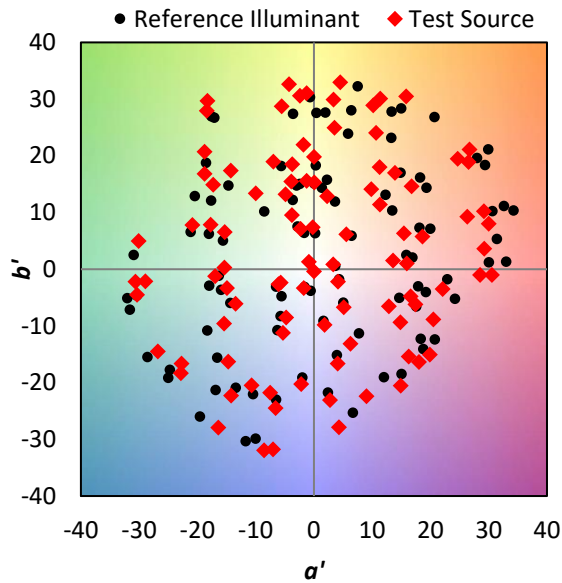
TM-30-18

Summary

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

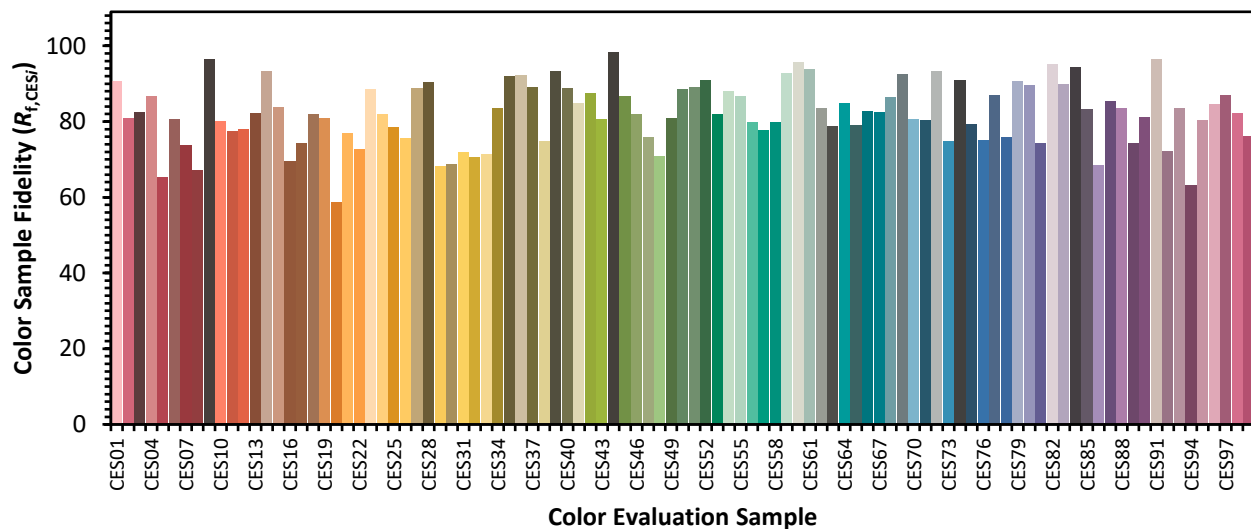


Color Vector Graphics

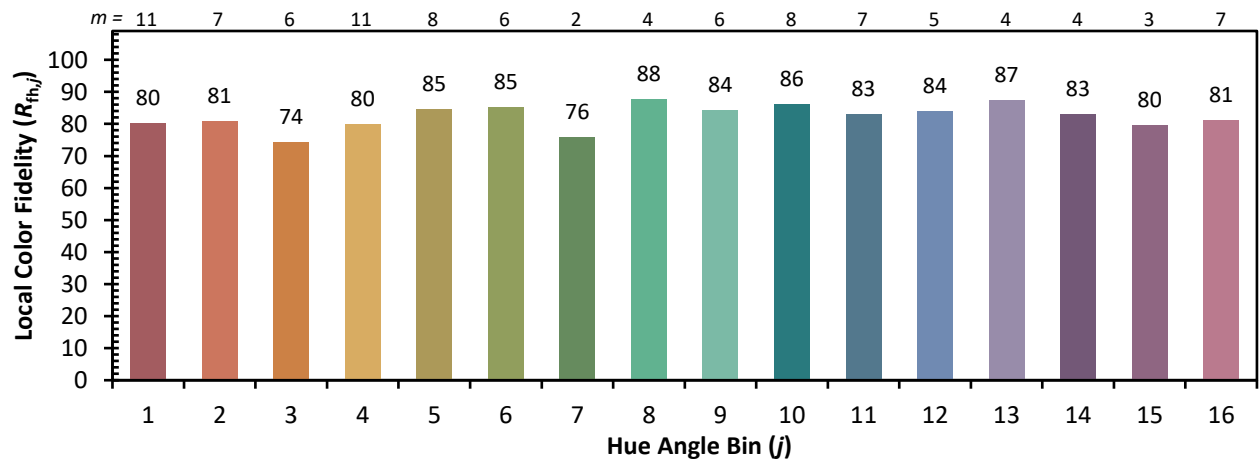
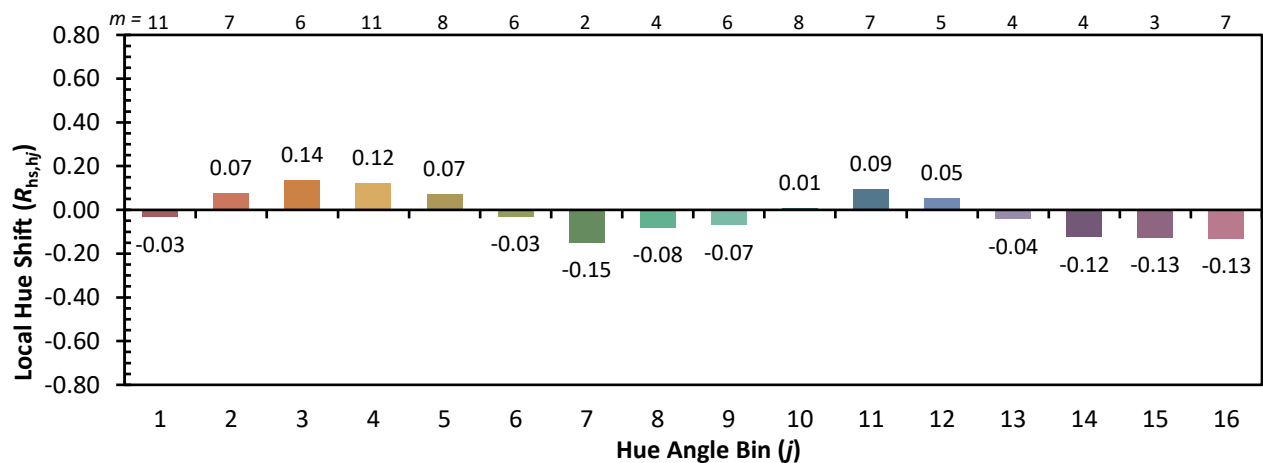
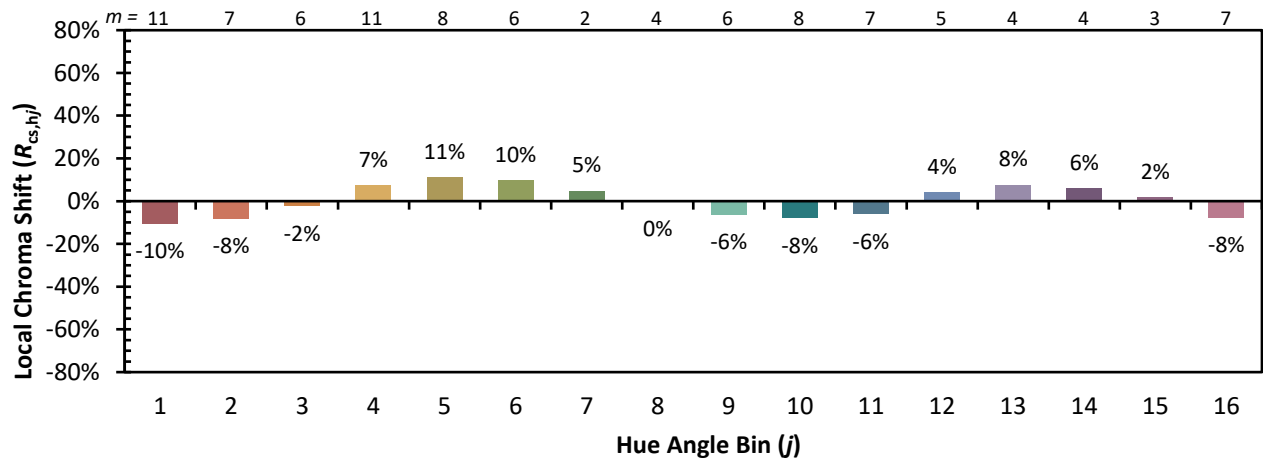


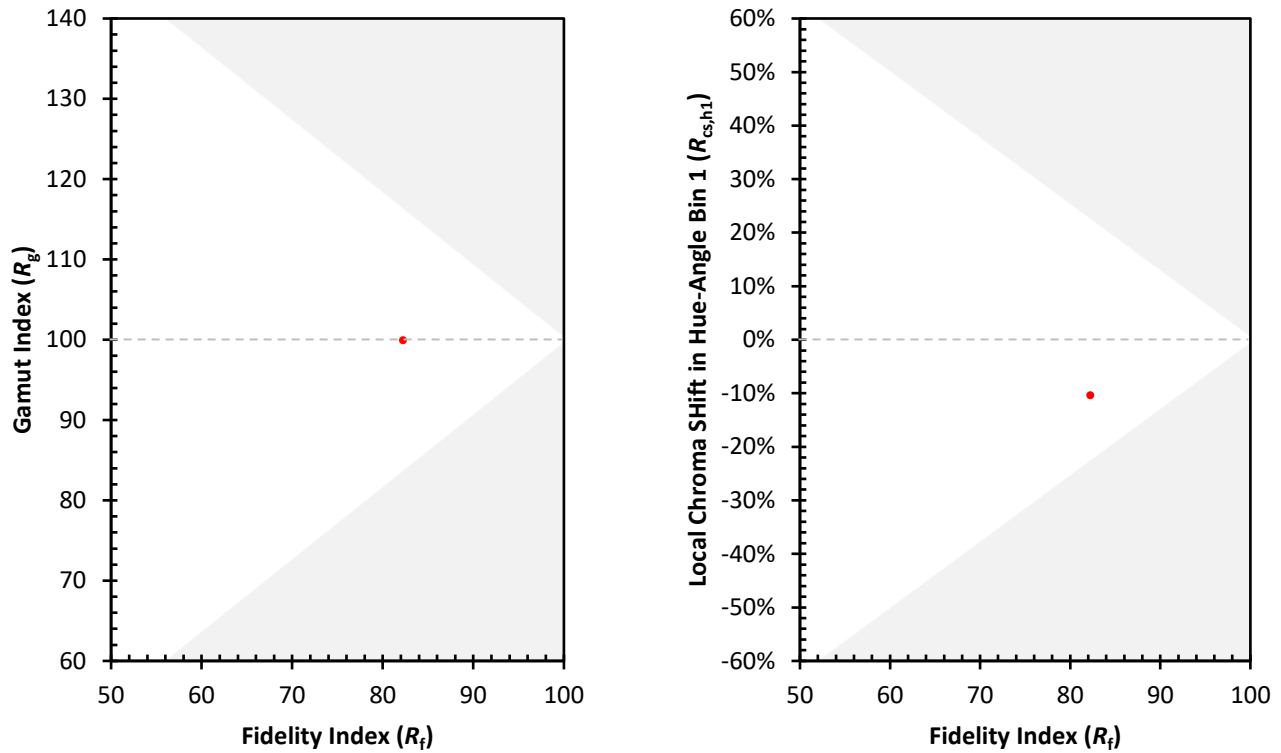
Individual Sample Fidelity Index ($R_{f,i}$)

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)