

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: P1067333

Luminaire Tested: **NAV-SA5A-827-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067333
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-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12835.9 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

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



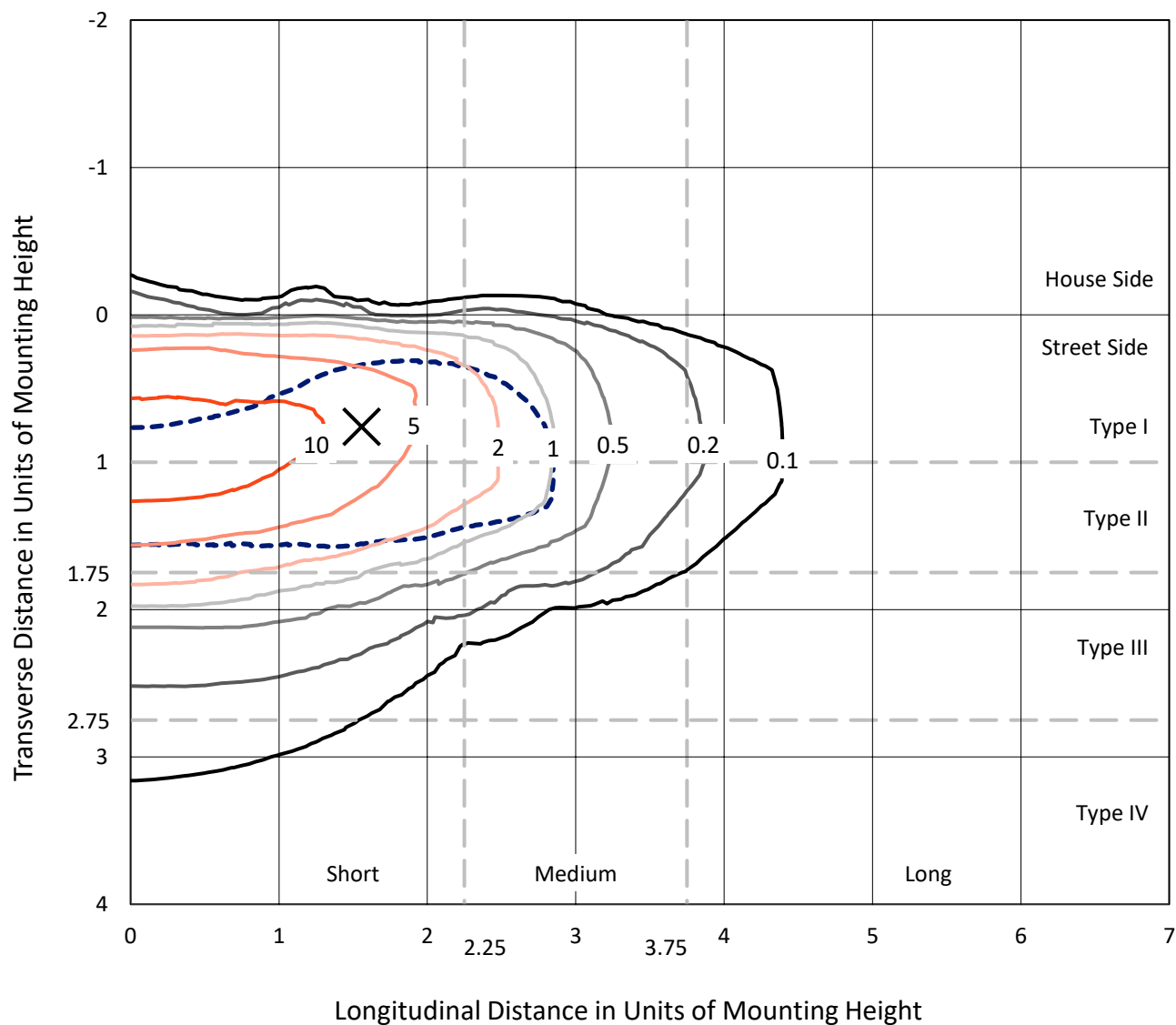
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

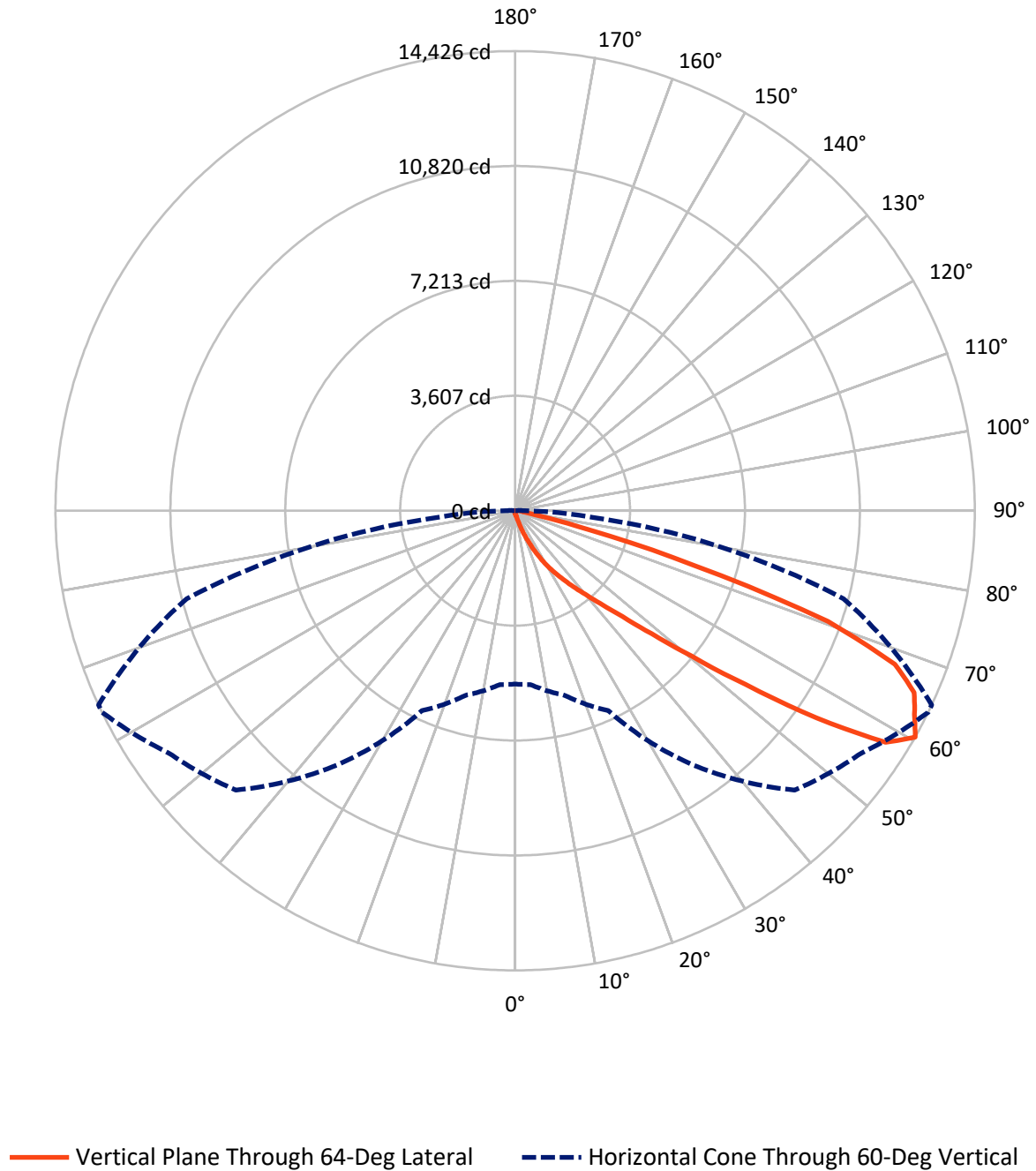


Based on 15 foot mounting height. Maximum calculated value = 18.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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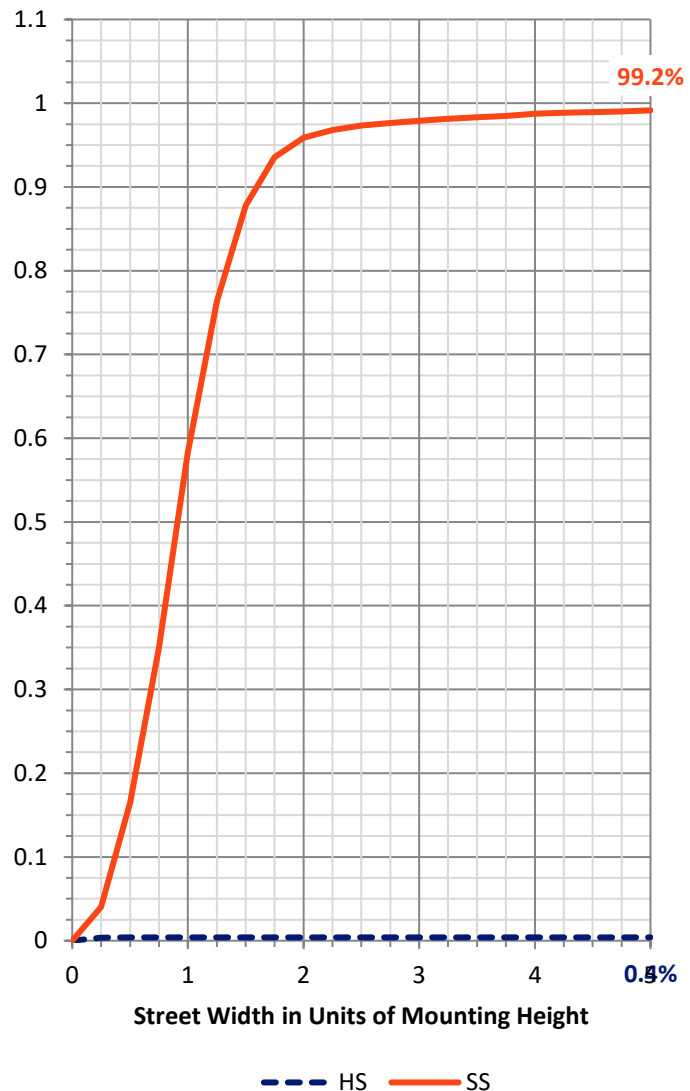
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	52.0	0.0	52.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12783.8	0.0	12783.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	12835.9	0.0	12835.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.1
10°-20°	126.1	1.0
20°-30°	418.9	3.3
30°-40°	1117.8	8.7
40°-50°	2841.3	22.1
50°-60°	4141.9	32.3
60°-70°	3199.2	24.9
70°-80°	878.6	6.8
80°-90°	99.2	0.8
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°	12835.9	100.0
0°-180°	12835.9	100.0



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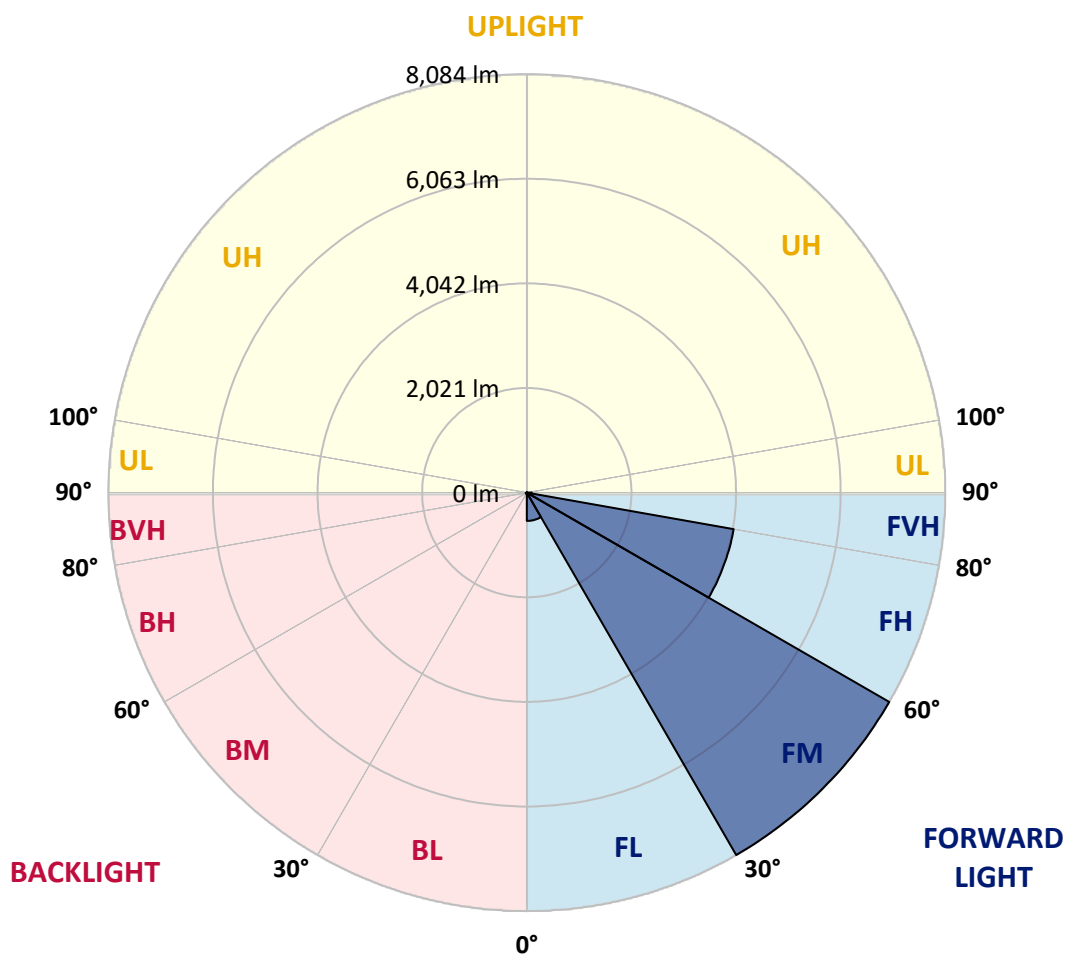
CATALOG NUMBER: NAV-SA5A-827-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	546.2	4.3			
FM	(30°-60°)	8083.8	63.0			
FH	(60°-80°)	4057.1	31.6			G2/5000
FVH	(80°-90°)	96.8	0.8			G1/100
BL	(0°-30°)	11.7	0.1	B0/110		
BM	(30°-60°)	17.2	0.1	B0/220		
BH	(60°-80°)	20.7	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-G2

Type II Short



REPORT NUMBER: P1067333

CATALOG NUMBER: NAV-SA5A-827-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
2.5°	113.1	113.1	113.1	109.5	106.0	106.0	102.5	98.9	98.9	91.9	88.3
5°	173.1	173.1	166.1	159.0	148.4	134.3	120.1	109.5	109.5	98.9	91.9
7.5°	339.2	349.8	318.0	279.1	226.1	190.8	151.9	127.2	123.7	106.0	91.9
10°	734.9	727.8	678.4	583.0	459.3	332.1	212.0	155.5	148.4	113.1	91.9
12.5°	1105.9	1116.5	1063.5	957.5	809.1	590.1	363.9	201.4	194.3	123.7	91.9
15°	1423.9	1423.9	1388.6	1335.6	1173.0	943.4	586.5	300.3	275.6	134.3	88.3
17.5°	1643.0	1639.4	1625.3	1611.2	1515.8	1279.0	897.4	480.5	424.0	159.0	88.3
20°	1890.3	1879.7	1897.4	1869.1	1794.9	1607.6	1226.0	713.7	660.7	201.4	88.3
22.5°	2148.2	2158.8	2172.9	2144.7	2063.4	1900.9	1572.3	1014.0	957.5	279.1	91.9
25°	2476.8	2469.7	2501.5	2476.8	2374.3	2183.5	1897.4	1342.6	1261.4	388.7	98.9
27.5°	2879.6	2865.5	2886.7	2823.1	2688.8	2494.5	2187.1	1678.3	1582.9	558.3	113.1
30°	3413.1	3423.7	3328.3	3254.1	3063.3	2805.4	2508.6	2038.7	1939.8	759.6	127.2
32.5°	4254.0	4179.8	4031.4	3731.1	3480.3	3151.7	2830.1	2353.1	2264.8	1017.6	148.4
35°	5564.9	5579.0	5253.9	4512.0	3967.8	3586.3	3183.5	2699.4	2635.8	1310.8	176.7
37.5°	7161.9	7123.0	6836.8	5900.5	4681.6	4126.8	3586.3	3077.5	2985.6	1628.8	212.0
40°	8970.9	8808.4	8642.3	8006.3	6169.1	4805.2	4095.0	3515.6	3444.9	1996.3	268.5
42.5°	10419.6	10377.2	10405.4	10140.4	8649.4	5960.6	4769.9	4052.6	3967.8	2452.1	367.5
45°	11133.3	11073.2	11242.8	11440.7	11059.1	8419.7	5858.1	4738.1	4625.0	2989.1	519.4
47.5°	10942.5	10900.1	11264.0	11652.7	12161.5	11271.1	7635.4	5762.7	5568.4	3678.1	745.5
50°	10002.6	10006.2	10603.3	11327.6	12133.2	12716.2	10267.6	7165.4	6921.6	4593.2	1098.8
52.5°	9087.5	9115.8	9748.2	10804.7	11712.7	12885.8	12578.4	9055.7	8660.0	5670.9	1515.8
55°	8147.7	8161.8	8720.1	10207.6	11514.9	12380.5	13765.5	11490.1	11069.7	7013.5	1922.1
57.5°	7243.2	7243.2	7451.6	8773.1	11299.3	12334.6	13624.2	13716.1	13373.4	8546.9	2222.4
60°	5441.2	5476.5	5995.9	6921.6	9744.7	12401.7	13263.8	14426.3	14426.3	10674.0	2452.1
62.5°	2748.9	2801.9	3448.5	4349.4	6684.9	11476.0	13320.4	14069.4	14125.9	12550.1	2975.0
65°	1289.6	1349.7	1696.0	2331.9	3596.9	8077.0	12733.8	13765.5	13747.9	12193.3	4077.4
67.5°	925.7	943.4	1060.0	1360.3	1936.2	3540.3	9720.0	12857.5	12864.6	10359.5	4688.6
70°	830.3	830.3	858.6	946.9	1166.0	1582.9	4724.0	10412.5	10917.7	7999.3	4345.9
72.5°	819.7	812.6	805.6	809.1	787.9	795.0	1621.8	5879.3	6600.1	5596.7	3466.1
75°	798.5	798.5	791.4	766.7	628.9	512.3	558.3	2377.9	2748.9	3738.2	2572.2
77.5°	632.5	696.1	770.2	724.3	575.9	385.1	325.1	689.0	869.2	2293.1	1865.6
80°	293.3	296.8	293.3	307.4	367.5	275.6	240.3	335.7	339.2	1272.0	1155.4
82.5°	212.0	215.5	204.9	183.7	162.5	148.4	197.9	247.3	265.0	583.0	431.1
85°	63.6	60.1	70.7	95.4	113.1	130.7	166.1	208.5	219.1	215.5	63.6
87.5°	28.3	28.3	35.3	49.5	67.1	98.9	144.9	190.8	194.3	222.6	17.7
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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CATALOG NUMBER: NAV-SA5A-827-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
2.5°	88.3	84.8	81.3	77.7	74.2	70.7	67.1	67.1	70.7	70.7	70.7
5°	84.8	81.3	74.2	67.1	63.6	60.1	56.5	56.5	60.1	60.1	60.1
7.5°	84.8	77.7	70.7	63.6	56.5	53.0	49.5	49.5	49.5	53.0	53.0
10°	84.8	77.7	67.1	56.5	49.5	45.9	42.4	38.9	42.4	42.4	42.4
12.5°	81.3	74.2	63.6	53.0	42.4	35.3	31.8	31.8	31.8	31.8	31.8
15°	77.7	70.7	60.1	45.9	35.3	28.3	21.2	21.2	21.2	24.7	24.7
17.5°	74.2	67.1	53.0	35.3	24.7	17.7	14.1	14.1	14.1	17.7	17.7
20°	74.2	63.6	45.9	28.3	17.7	10.6	7.1	7.1	7.1	10.6	14.1
22.5°	74.2	63.6	42.4	21.2	10.6	7.1	3.5	3.5	3.5	3.5	3.5
25°	74.2	60.1	38.9	17.7	7.1	3.5	0.0	0.0	3.5	7.1	10.6
27.5°	74.2	56.5	31.8	10.6	7.1	3.5	0.0	3.5	7.1	7.1	7.1
30°	74.2	56.5	28.3	10.6	3.5	0.0	0.0	3.5	7.1	7.1	10.6
32.5°	77.7	53.0	24.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	81.3	49.5	21.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	88.3	49.5	14.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	98.9	53.0	14.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	123.7	56.5	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	173.1	70.7	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	254.4	106.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	371.0	144.9	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	455.8	144.9	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	452.3	91.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	346.3	63.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	293.3	45.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	353.3	35.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	628.9	31.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1010.5	31.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1130.6	31.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	883.3	28.3	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	484.1	24.7	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	243.8	17.7	7.1	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	102.5	14.1	7.1	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	35.3	14.1	7.1	7.1	3.5	3.5	0.0	0.0	0.0	0.0	0.0
85°	17.7	10.6	10.6	7.1	7.1	3.5	3.5	0.0	0.0	0.0	0.0
87.5°	10.6	10.6	10.6	7.1	7.1	3.5	3.5	0.0	0.0	0.0	3.5
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

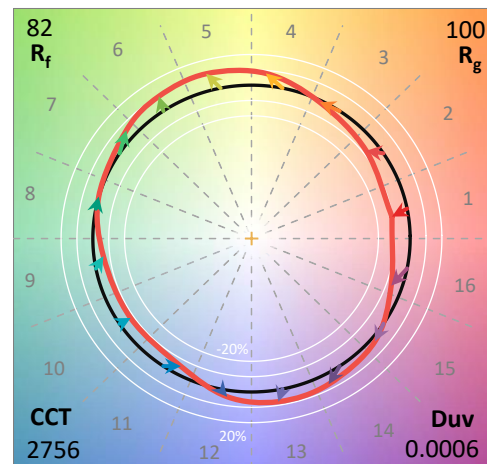
Test Information

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

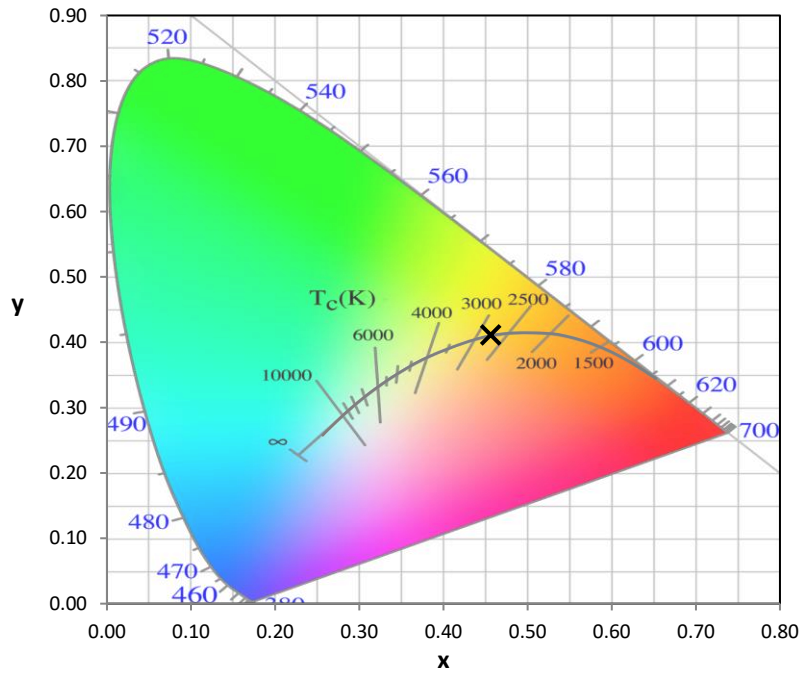
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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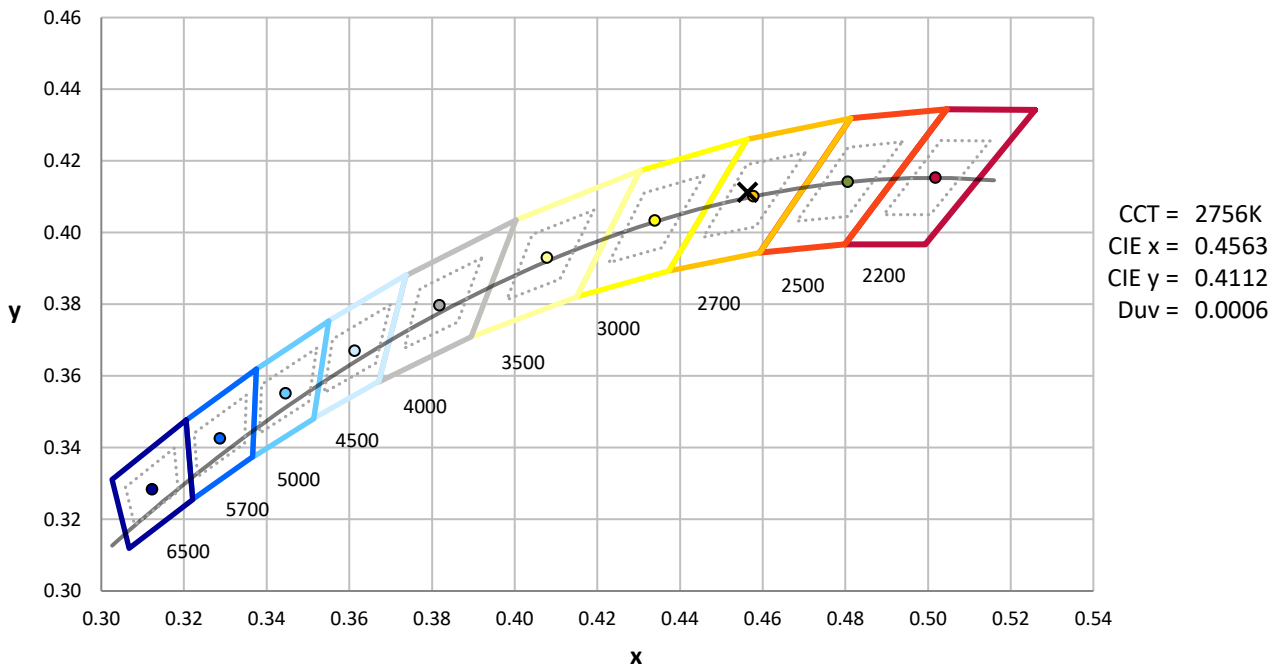
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



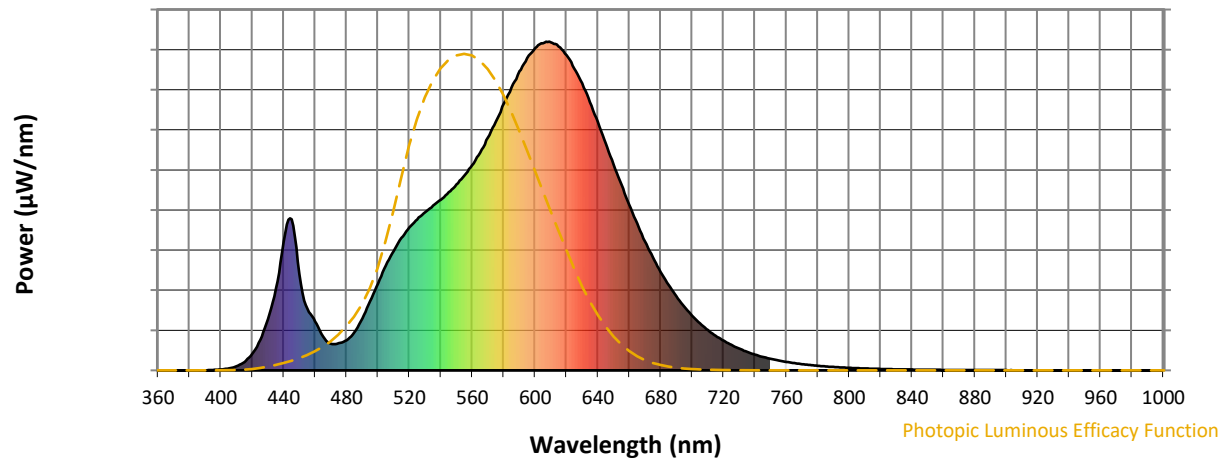
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



CCT = 2756K
 CIE x = 0.4563
 CIE y = 0.4112
 Duv = 0.0006

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Photopic Flux vs. Wavelength

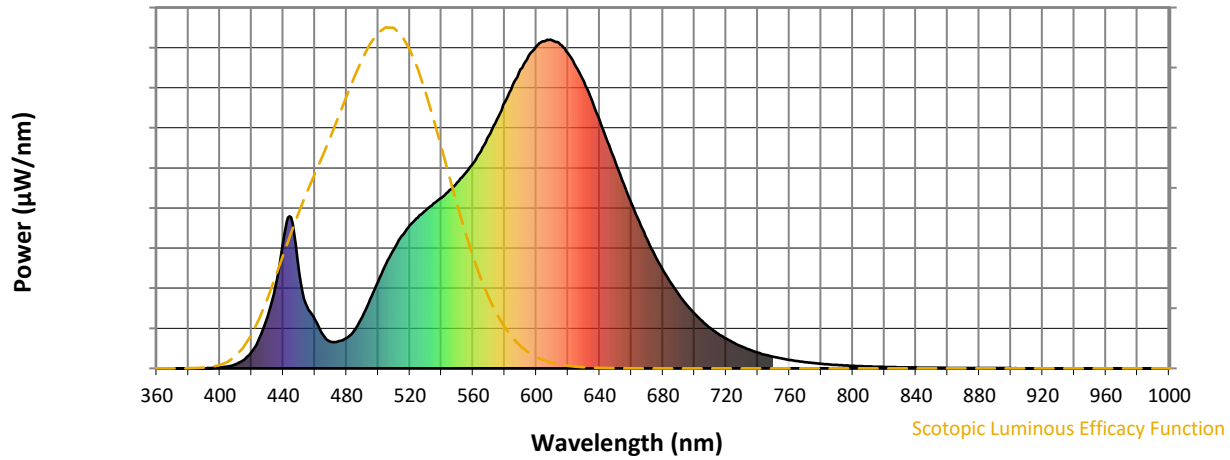


Photopic Lumens: NR

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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Scotopic Flux vs. Wavelength



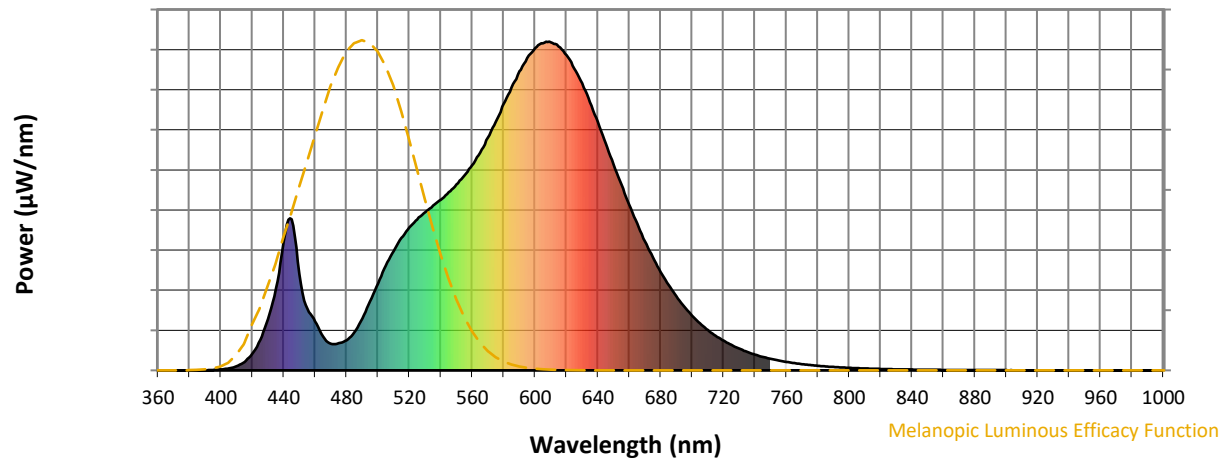
Scotopic Lumens: NR

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

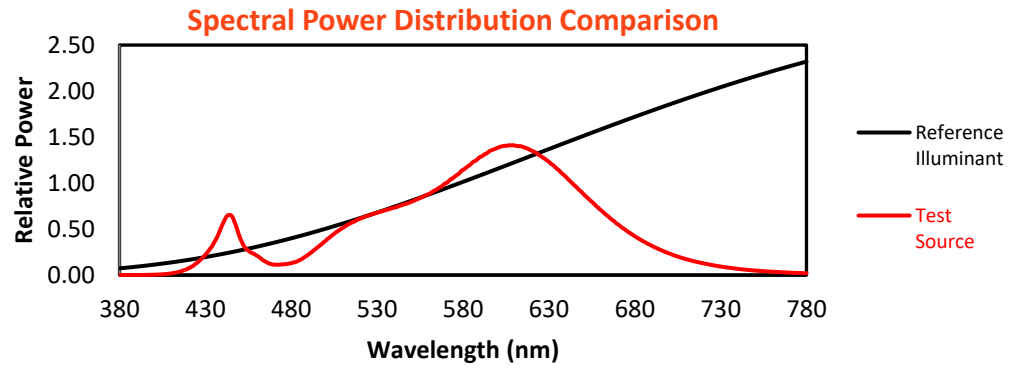
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	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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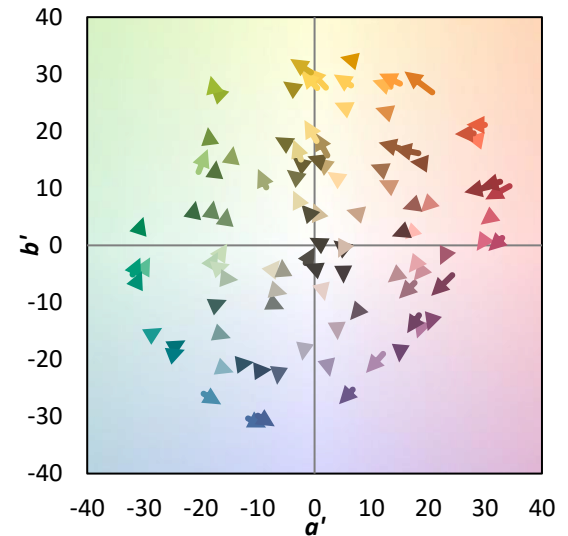
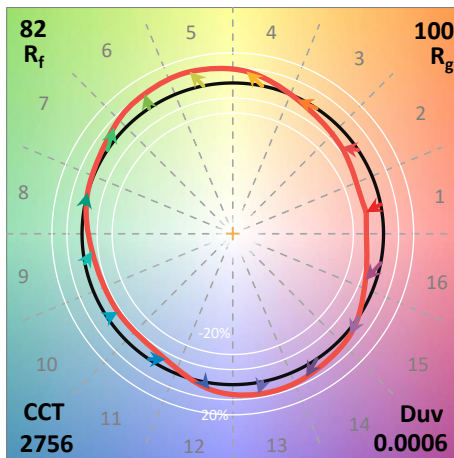
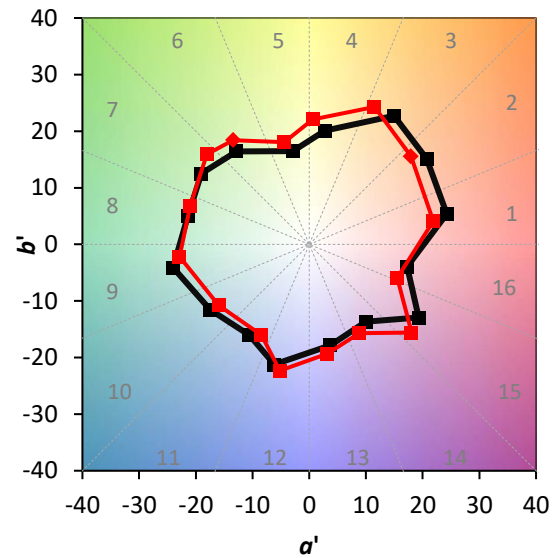
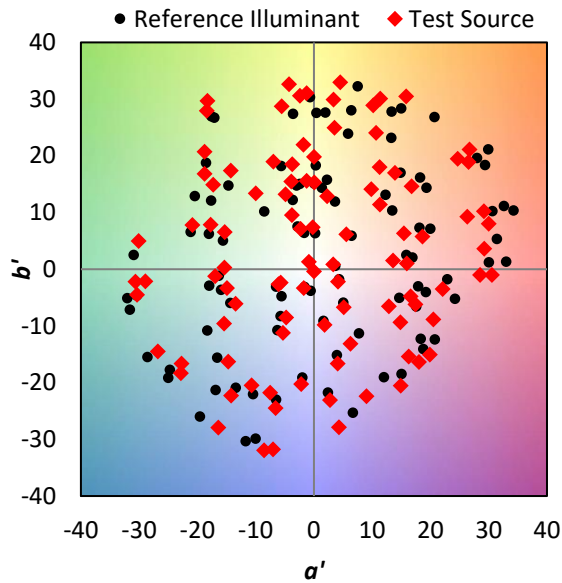
TM-30-18

Summary

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

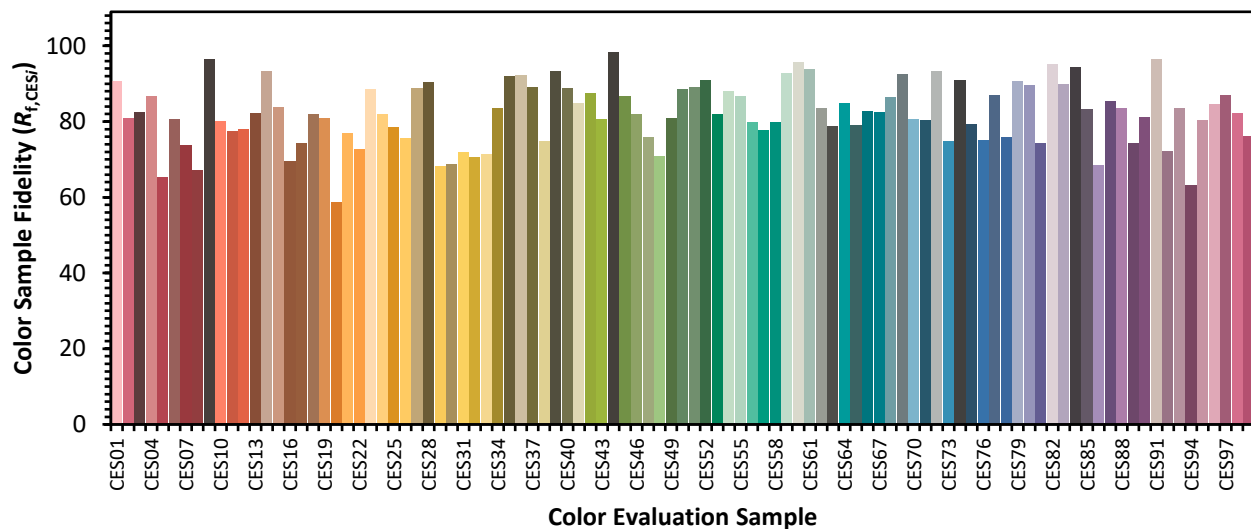


Color Vector Graphics

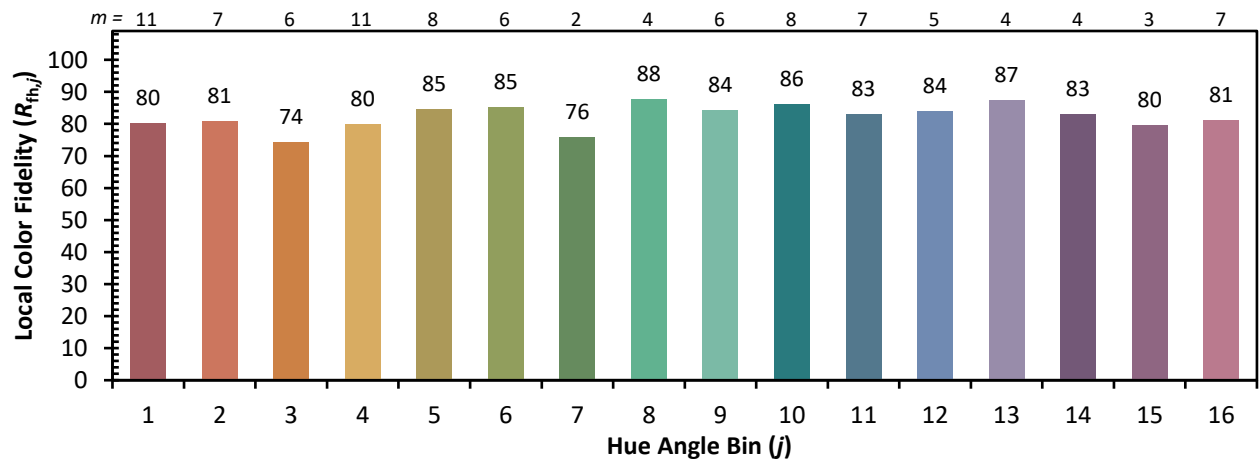
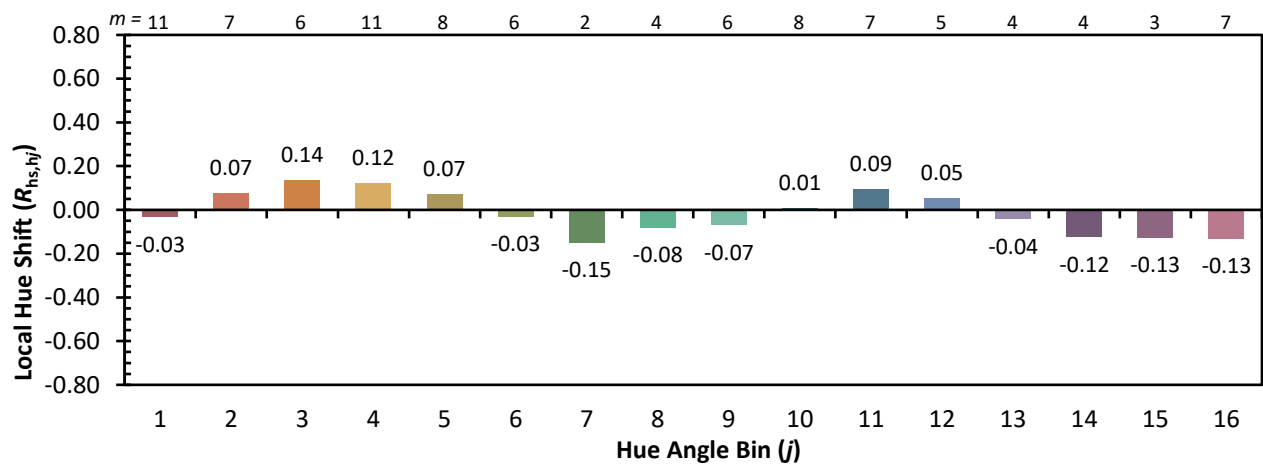
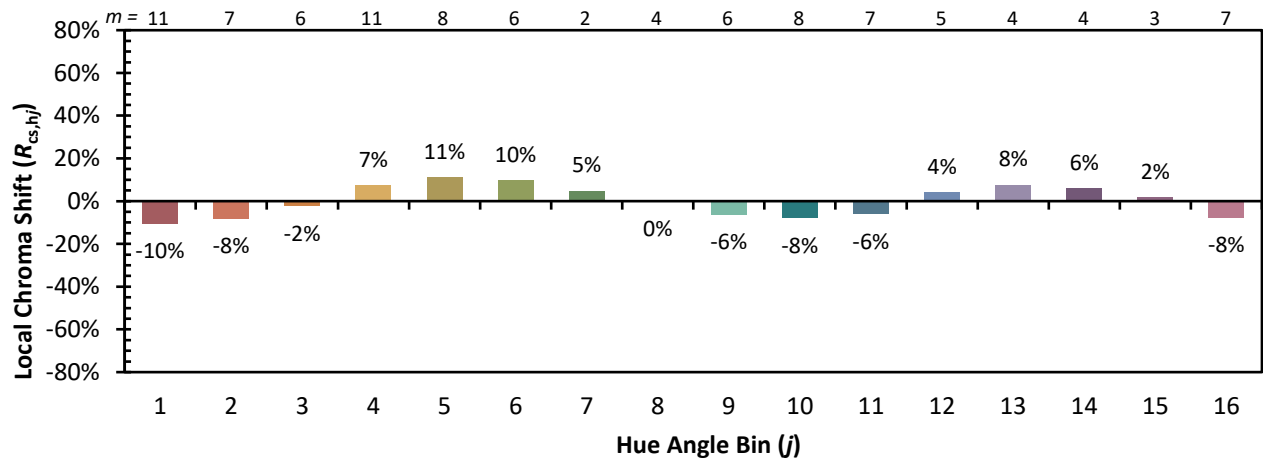


Individual Sample Fidelity Index ($R_{f,i}$)

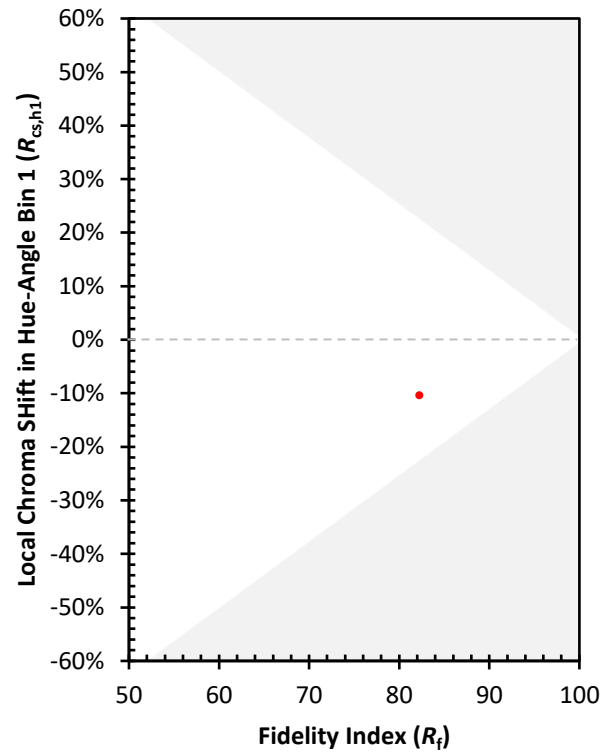
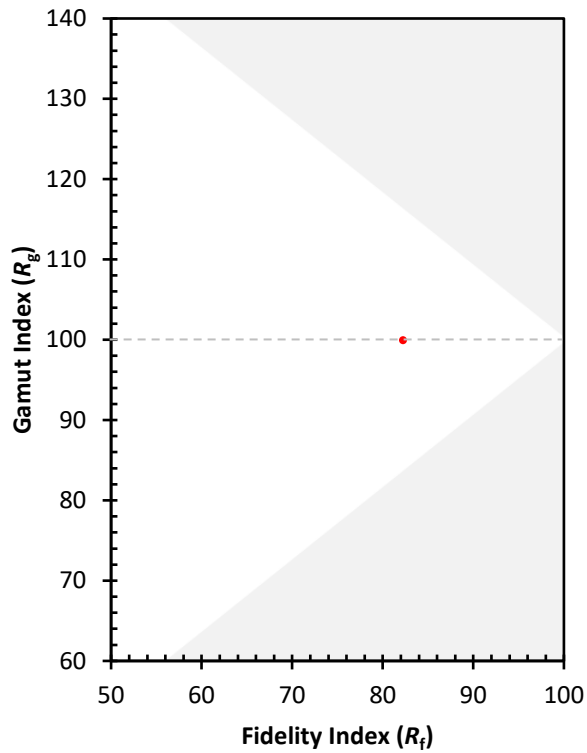
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 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)