

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: P1067081

Luminaire Tested: **NAV-SA2A-827-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067081
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2A-827-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (28) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5528.7 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.3
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

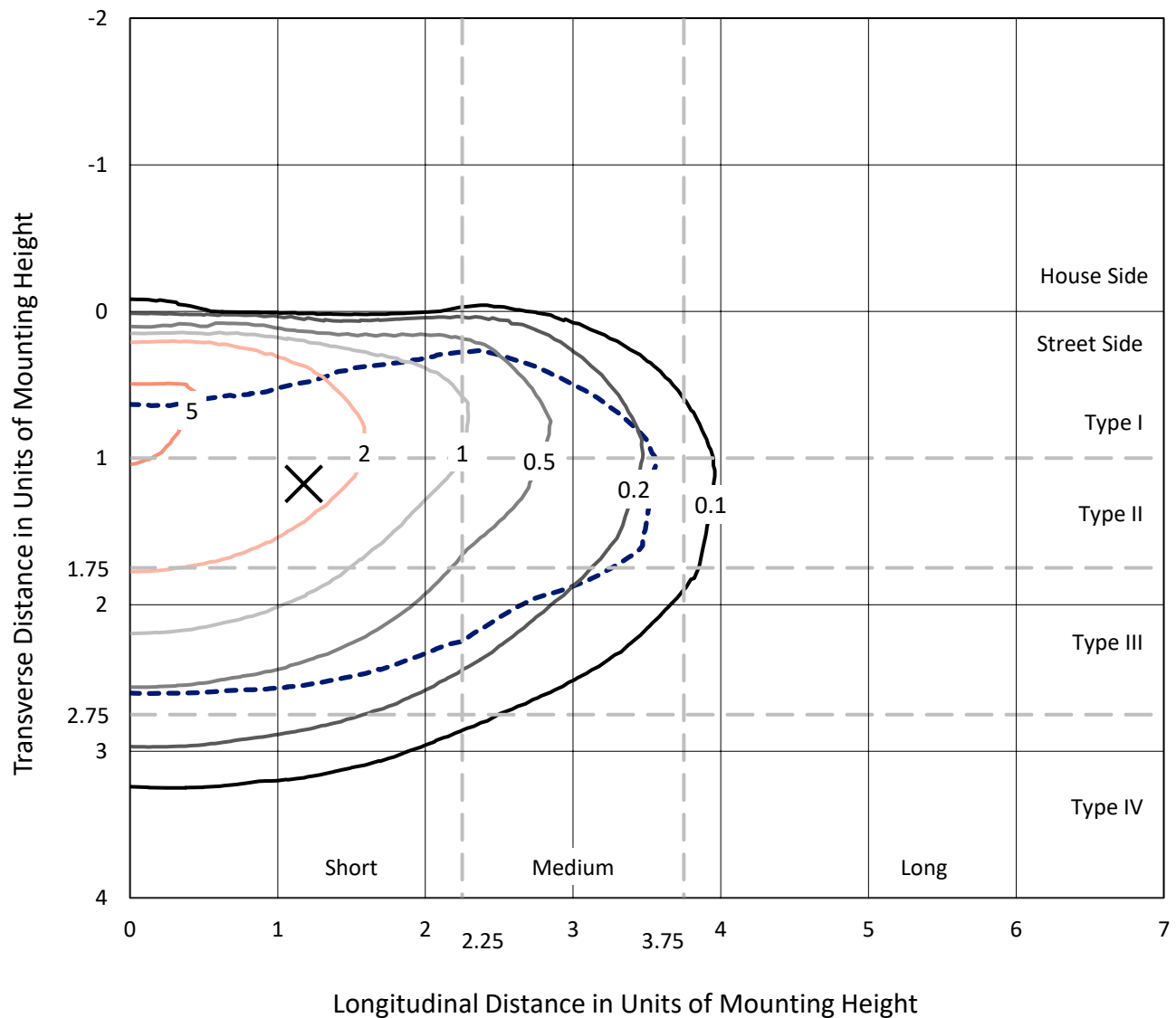


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Iso-Footcandle Lines of Horizontal Illumination

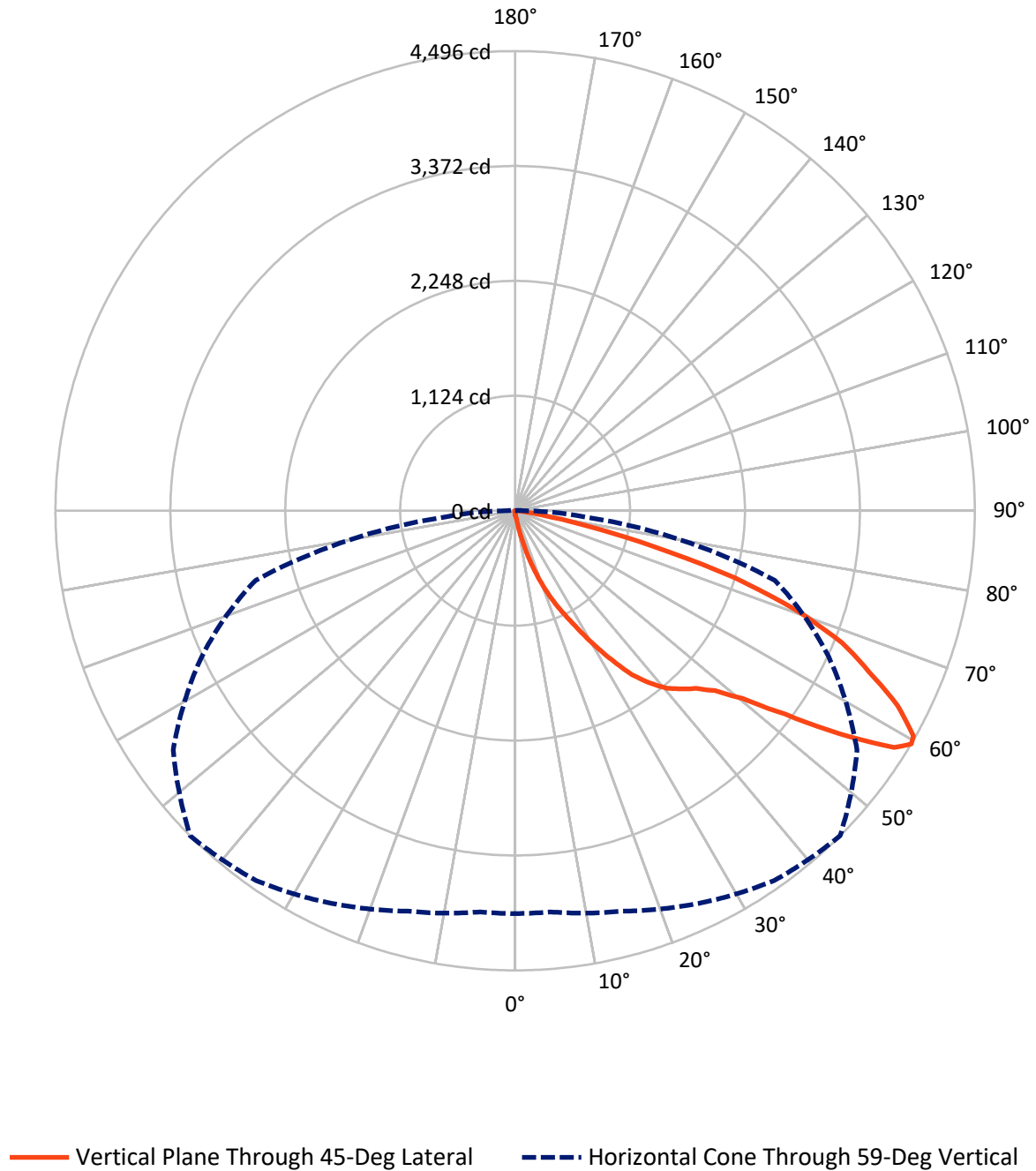
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 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	19.6	0.0	19.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5509.1	0.0	5509.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	5528.7	0.0	5528.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.1
10°-20°	61.1	1.1
20°-30°	219.6	4.0
30°-40°	510.2	9.2
40°-50°	869.6	15.7
50°-60°	1432.9	25.9
60°-70°	1656.8	30.0
70°-80°	711.8	12.9
80°-90°	61.5	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°	5528.7	100.0
0°-180°	5528.7	100.0



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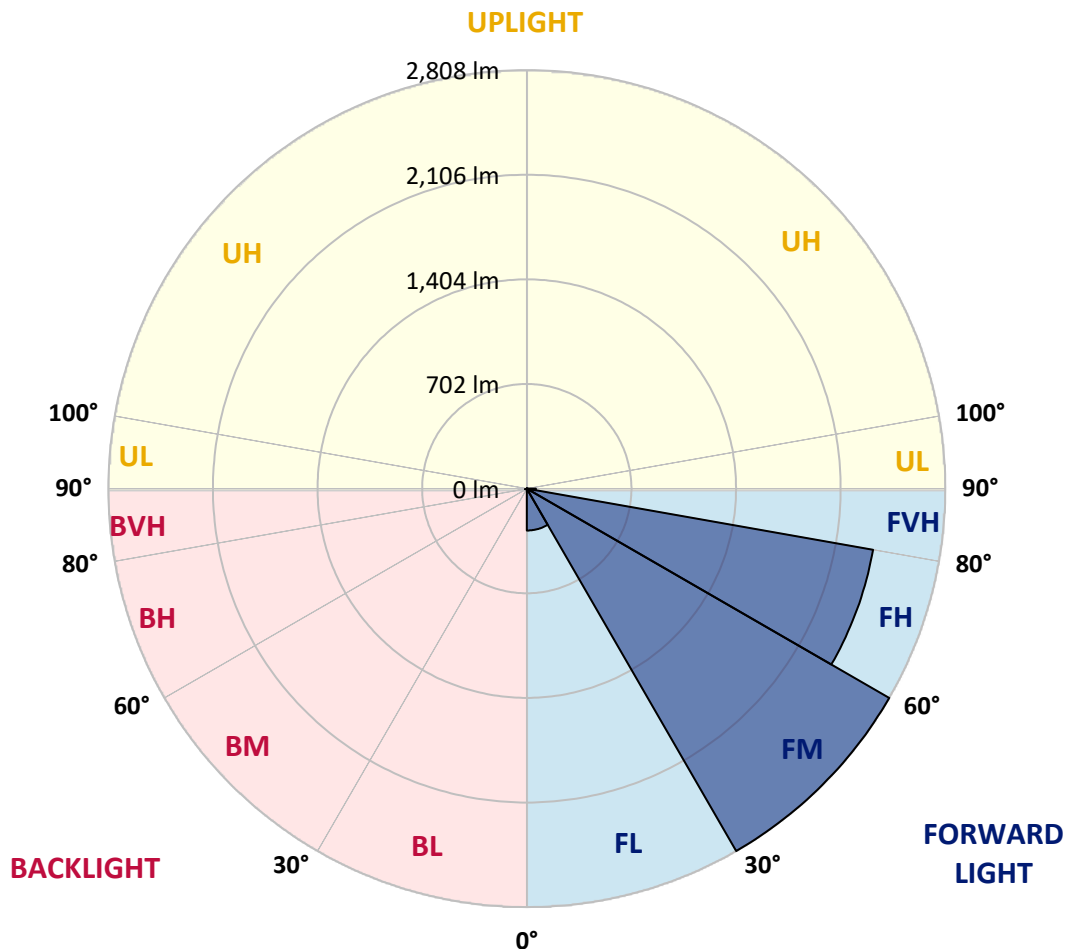
CATALOG NUMBER: NAV-SA2A-827-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	281.0	5.1			
FM	(30°-60°)	2808.0	50.8			
FH	(60°-80°)	2359.3	42.7			G2/5000
FVH	(80°-90°)	60.7	1.1			G1/100
BL	(0°-30°)	4.8	0.1	B0/110		
BM	(30°-60°)	4.7	0.1	B0/220		
BH	(60°-80°)	9.2	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
2.5°	45.4	45.4	44.2	42.8	42.4	41.3	41.3	40.1	38.7	37.5	36.1
5°	65.8	65.4	62.5	58.7	53.9	50.9	50.9	46.8	43.1	39.8	36.8
7.5°	143.9	140.5	129.7	111.9	88.5	72.9	71.7	58.4	49.4	42.8	37.2
10°	330.1	318.6	303.3	260.6	192.6	134.6	132.0	85.1	59.1	46.1	37.9
12.5°	540.9	550.2	519.7	452.4	372.9	277.3	258.7	143.5	78.1	50.6	38.7
15°	732.7	730.5	713.4	658.4	566.5	439.4	427.9	249.4	111.9	57.6	39.4
17.5°	876.2	873.6	857.3	821.9	751.3	624.2	614.1	397.8	175.5	67.7	40.1
20°	1027.5	1024.2	1001.1	972.9	911.2	803.0	791.1	563.6	274.7	84.0	40.1
22.5°	1208.9	1202.6	1178.1	1130.1	1065.1	971.0	960.2	733.1	397.8	110.8	42.0
25°	1428.3	1417.5	1383.7	1340.5	1262.1	1137.2	1125.7	921.9	546.1	151.3	43.9
27.5°	1678.5	1680.3	1634.6	1561.7	1456.5	1329.0	1307.4	1091.1	699.6	209.3	46.1
30°	1975.5	1956.9	1892.6	1807.8	1705.6	1543.1	1522.3	1259.5	872.1	294.8	49.8
32.5°	2253.6	2233.5	2146.9	2040.2	1930.5	1759.1	1742.0	1448.7	1029.0	395.9	56.5
35°	2492.2	2478.1	2356.9	2226.8	2129.4	1976.2	1971.0	1659.9	1213.4	504.8	63.9
37.5°	2702.3	2676.6	2520.8	2385.9	2287.0	2149.8	2138.7	1853.2	1391.1	631.2	75.1
40°	2881.4	2867.3	2677.3	2500.0	2419.7	2297.0	2282.9	2022.7	1574.7	778.1	88.8
42.5°	3073.3	3054.7	2870.3	2671.4	2523.4	2392.2	2382.9	2162.5	1738.3	939.4	109.3
45°	3290.0	3255.4	3093.7	2915.3	2690.4	2490.7	2480.3	2287.0	1906.0	1112.6	134.2
47.5°	3521.6	3491.5	3360.6	3235.3	2976.6	2653.2	2630.9	2393.0	2072.5	1312.7	165.8
50°	3757.3	3758.0	3659.9	3599.7	3326.4	2917.1	2885.5	2548.7	2247.6	1526.8	212.6
52.5°	4031.6	4038.7	4037.2	3992.6	3780.7	3348.7	3306.3	2785.2	2450.9	1776.6	277.3
55°	4146.5	4159.1	4241.3	4340.2	4282.6	3895.9	3850.6	3193.0	2720.5	2055.0	373.2
57.5°	4052.4	4066.6	4180.0	4353.2	4485.5	4375.1	4369.9	3723.8	3075.5	2392.6	530.1
59°	3940.6	3938.7	4055.1	4238.7	4417.1	4488.9	4496.3	4082.9	3384.8	2629.4	665.4
60°	3866.2	3867.7	3945.0	4133.5	4323.1	4447.6	4476.6	4294.5	3565.5	2799.7	781.4
62.5°	3579.2	3596.3	3657.7	3832.7	4012.7	4151.7	4201.1	4482.9	4082.6	3201.9	1184.8
65°	3267.3	3268.4	3355.8	3505.6	3678.1	3775.9	3807.1	4189.6	4427.9	3611.6	1713.8
67.5°	2710.8	2733.5	2832.7	3075.5	3303.4	3427.2	3451.0	3646.9	4284.8	3878.5	1978.8
70°	1897.0	1926.8	2068.4	2383.3	2722.7	2926.0	2924.6	3031.6	3771.0	3759.5	1677.7
72.5°	947.2	998.5	1114.1	1451.3	1862.5	2181.8	2249.1	2438.7	3029.4	3122.7	1251.7
75°	418.6	421.6	487.4	657.3	925.7	1331.2	1391.5	1935.7	2324.2	2170.3	904.1
77.5°	243.5	245.7	257.6	295.2	375.1	652.4	720.1	1269.5	1642.4	1261.3	589.6
80°	88.5	90.7	90.3	111.9	164.3	256.9	286.2	615.2	1095.5	664.3	308.9
82.5°	54.3	54.3	52.4	52.8	59.9	98.5	107.8	262.1	533.5	327.1	88.5
85°	26.8	28.3	30.1	33.8	40.1	48.7	51.7	75.1	179.6	79.2	21.2
87.5°	16.0	16.4	17.8	21.6	26.8	34.9	37.2	50.9	64.3	53.2	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°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
2.5°	35.3	34.9	33.1	31.6	30.1	28.6	27.5	26.4	26.4	26.8	26.4
5°	35.3	33.8	30.9	28.3	26.0	24.2	22.3	20.8	20.4	20.4	20.8
7.5°	34.9	33.1	29.0	25.7	22.7	20.1	18.2	16.4	16.0	16.4	16.0
10°	34.6	32.3	27.5	23.4	19.3	16.7	14.1	12.3	12.3	12.3	12.6
12.5°	34.6	31.2	26.0	21.2	16.7	13.8	11.2	9.3	8.9	8.9	8.9
15°	34.2	30.5	24.5	18.6	14.1	10.4	8.2	6.3	6.3	6.3	6.3
17.5°	33.5	29.4	22.7	16.4	11.2	7.8	5.6	3.7	3.7	4.5	4.5
20°	32.7	28.3	20.4	13.4	9.3	5.9	3.7	2.2	2.2	3.3	3.7
22.5°	33.1	28.3	19.0	11.9	7.4	4.5	3.0	1.9	1.5	2.6	3.3
25°	33.5	27.5	17.1	10.4	5.6	3.3	2.2	0.7	0.4	0.7	1.1
27.5°	33.5	26.8	14.9	8.2	4.1	2.6	1.1	0.0	0.0	0.0	0.0
30°	33.1	25.7	13.0	6.7	3.0	1.5	0.4	0.0	0.0	0.0	0.0
32.5°	32.7	24.5	11.9	5.2	2.6	0.7	0.0	0.0	0.0	0.0	0.0
35°	33.1	23.0	10.4	4.1	1.5	0.0	0.0	0.0	0.0	0.0	0.7
37.5°	34.2	21.6	8.9	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	35.7	20.4	7.4	2.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	38.7	20.4	6.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	42.4	20.4	5.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	47.2	20.8	4.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	53.2	21.6	4.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	57.6	20.8	4.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	65.4	20.1	3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	75.8	19.0	3.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	86.2	17.5	3.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	98.1	16.7	3.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	162.1	14.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	313.0	14.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	506.0	14.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	532.0	14.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	353.9	11.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	189.6	10.4	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	102.2	9.7	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	45.0	7.1	1.9	1.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.8	4.8	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	3.3	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: SP1-2407-184-8

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

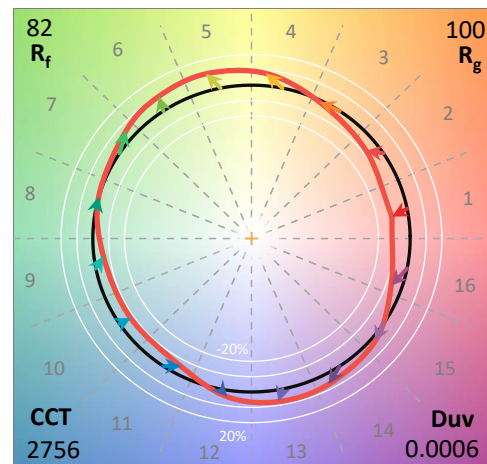
Test Information

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

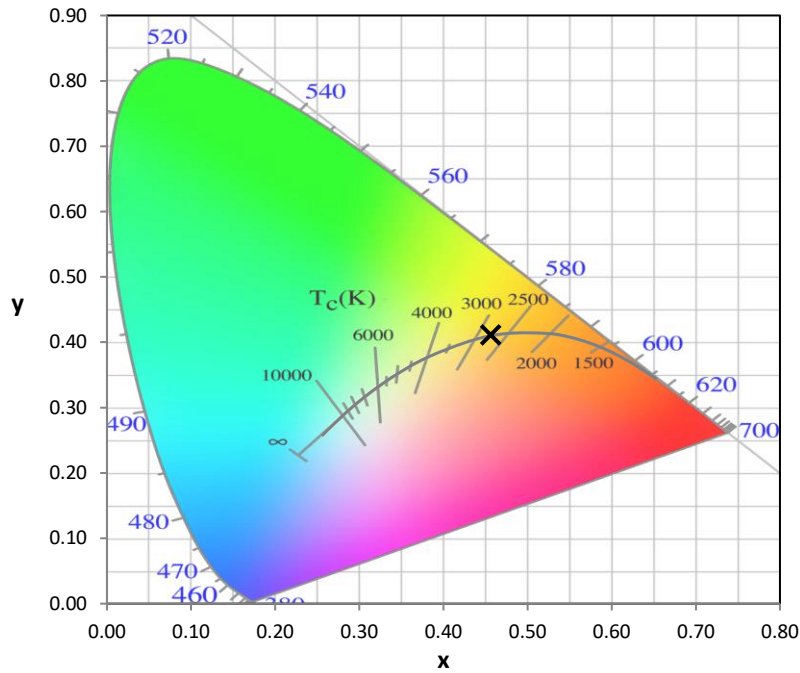
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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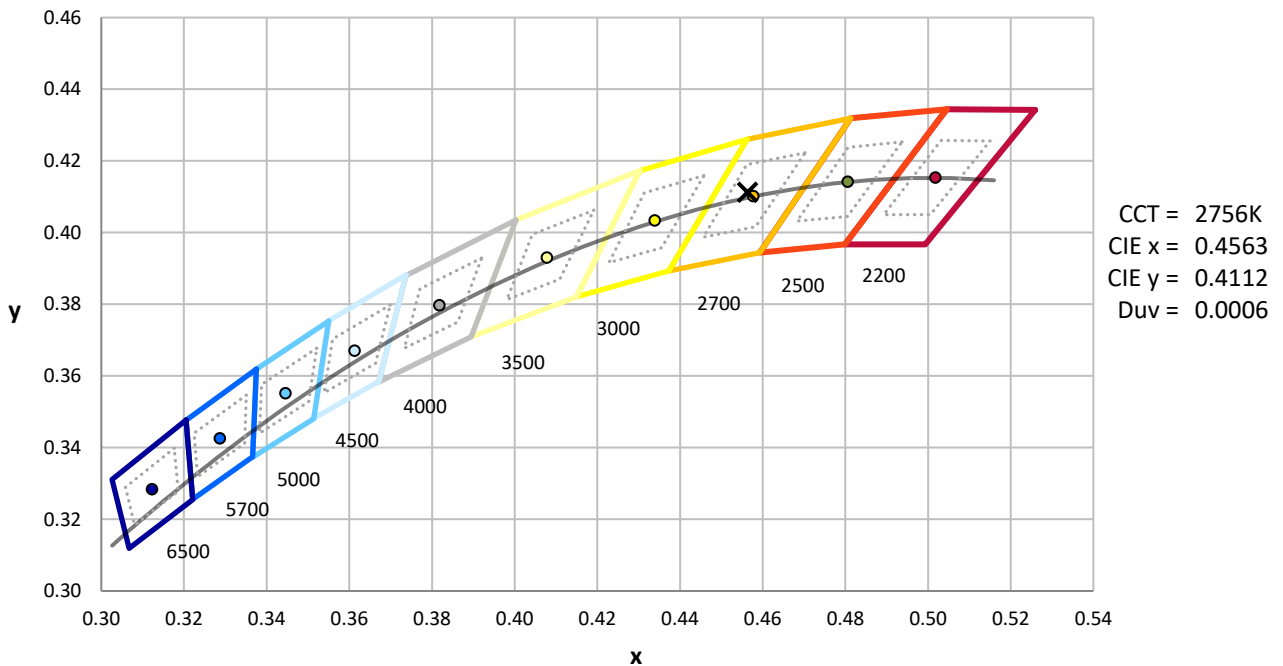
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



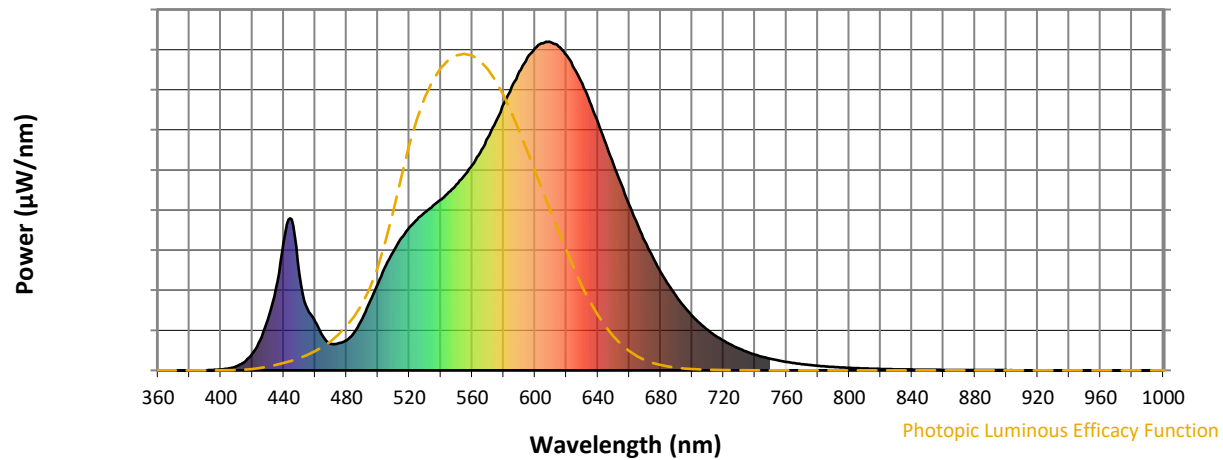
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

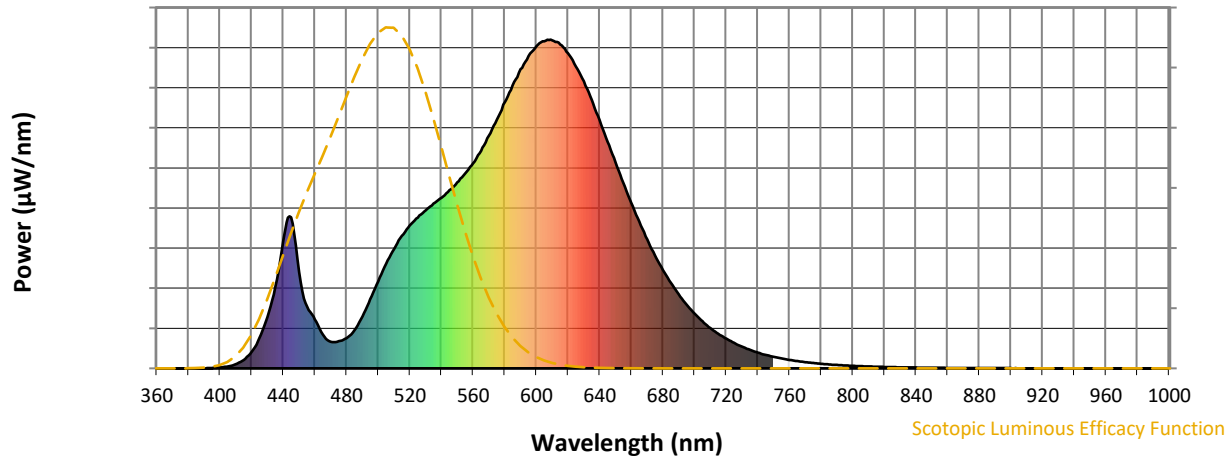


Photopic Lumens: NR

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



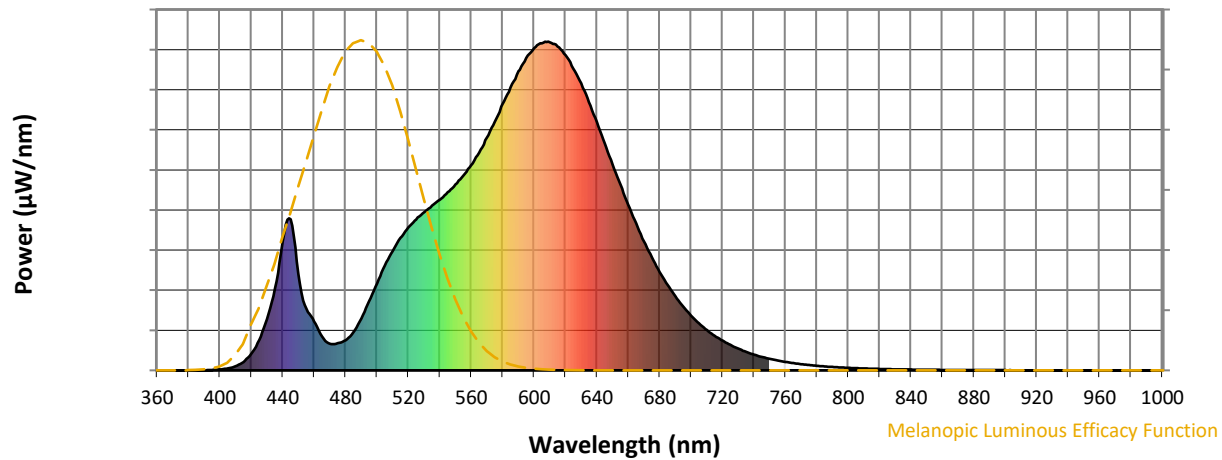
Scotopic Lumens: NR

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

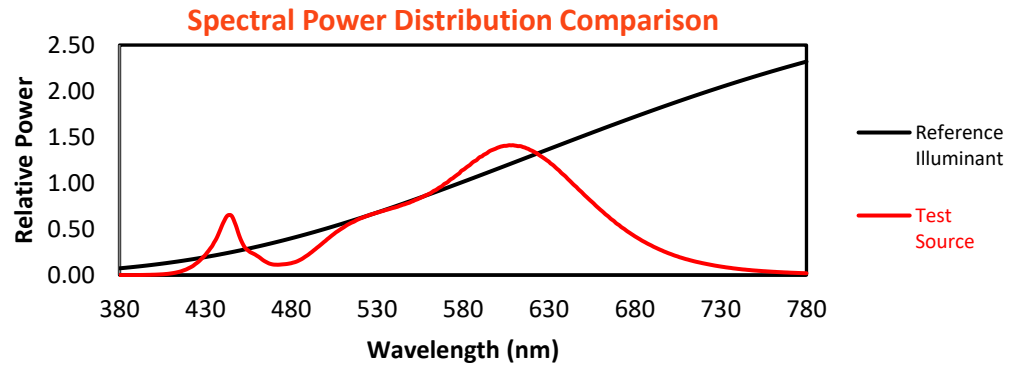
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959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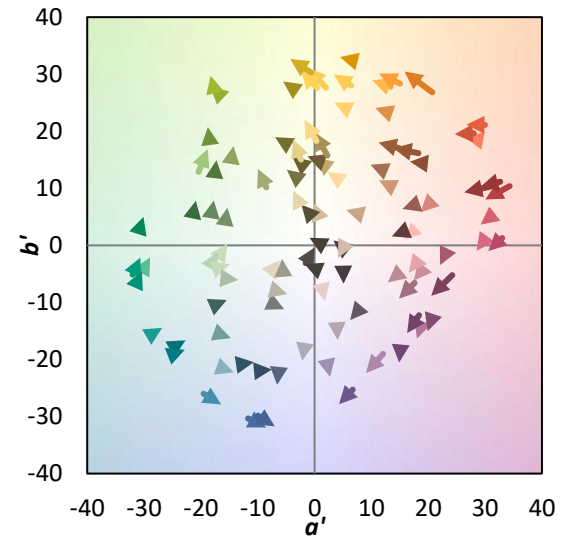
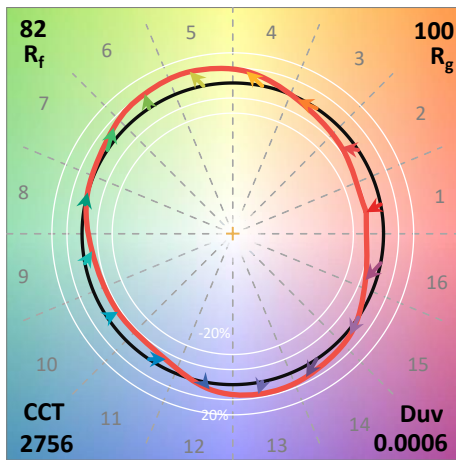
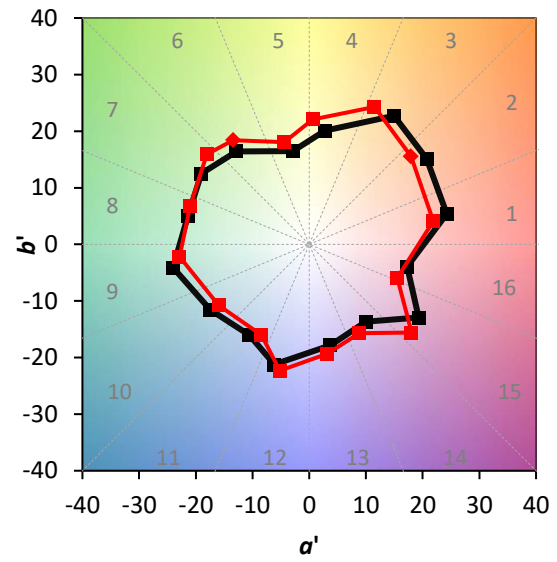
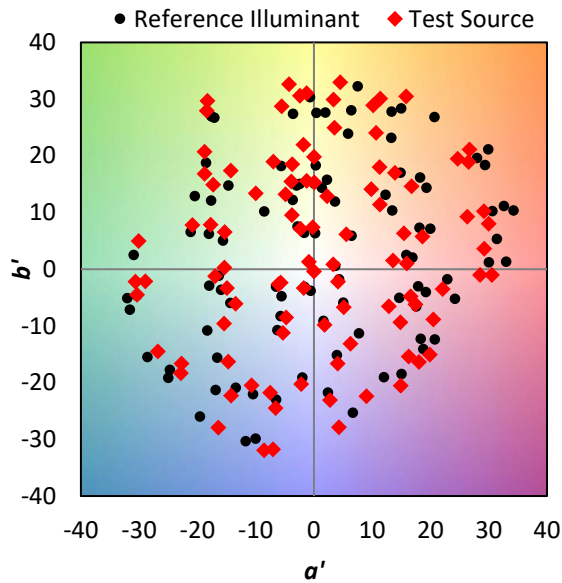
TM-30-18

Summary

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

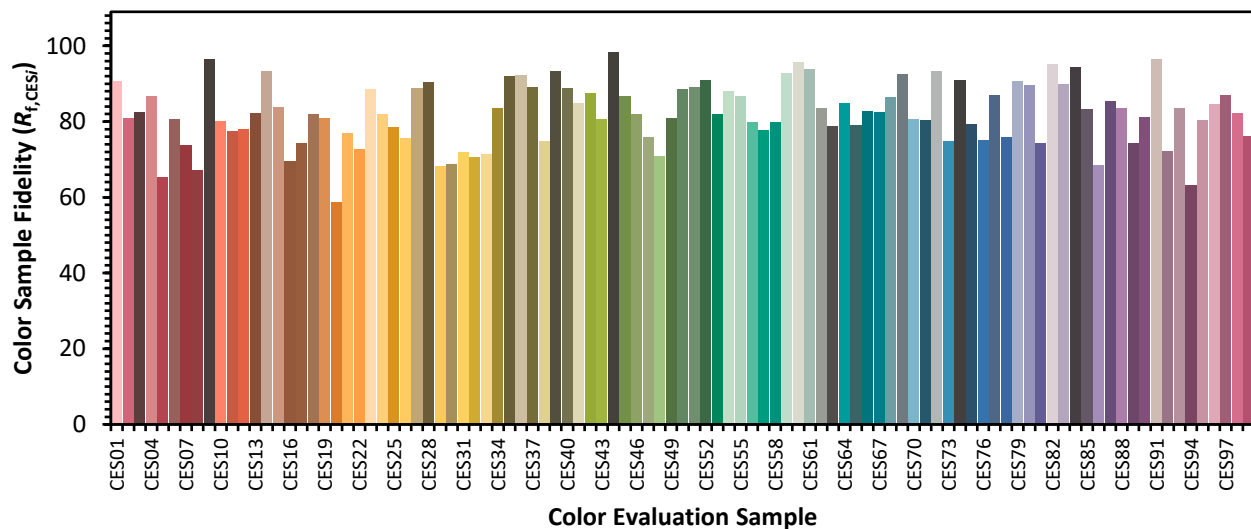


Color Vector Graphics

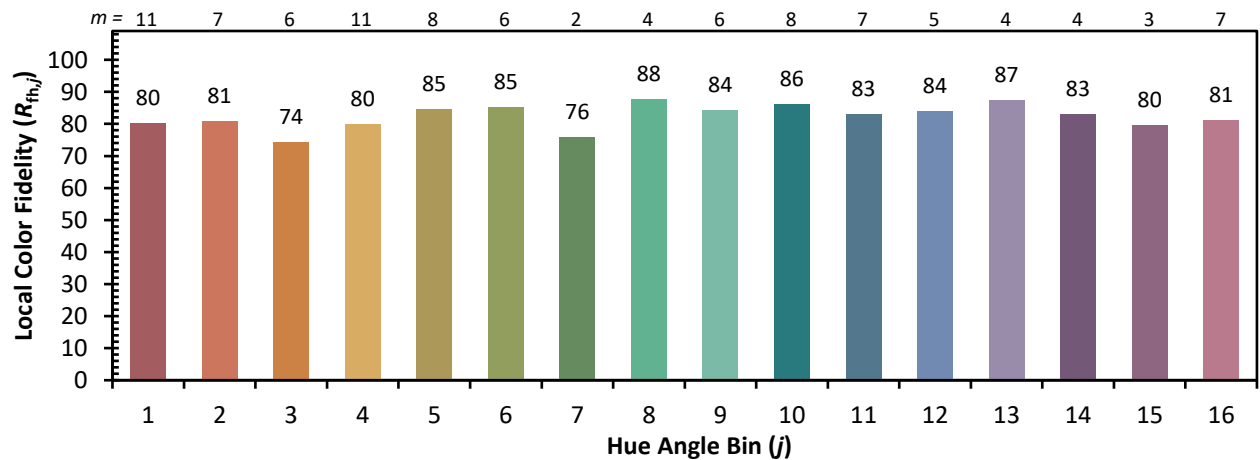
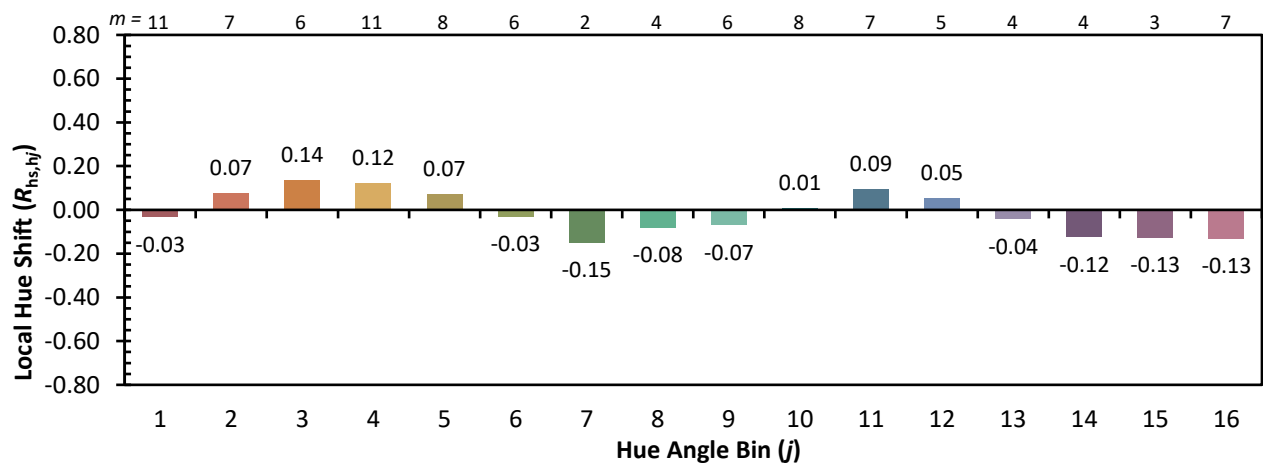
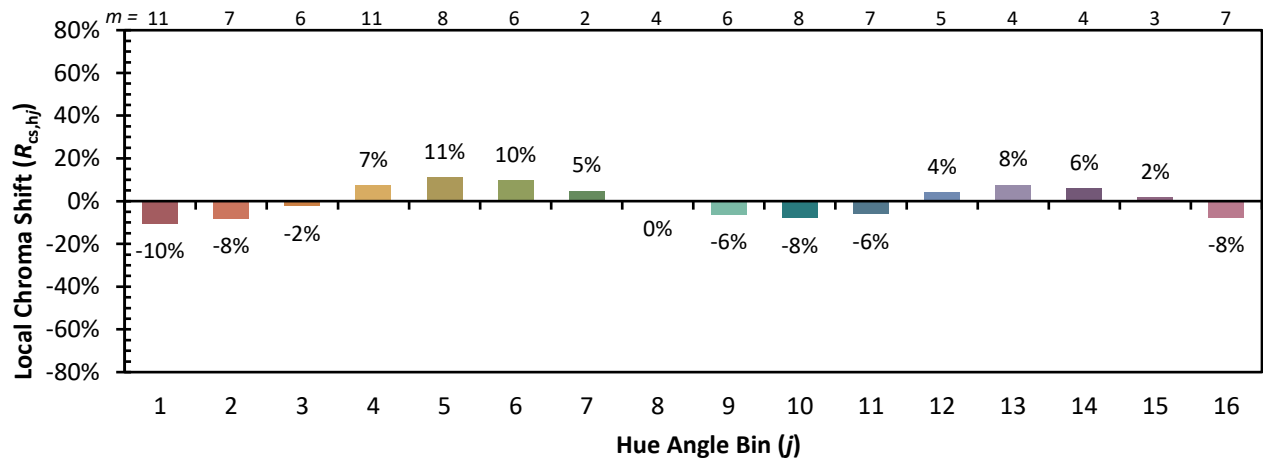


Individual Sample Fidelity Index ($R_{f,i}$)

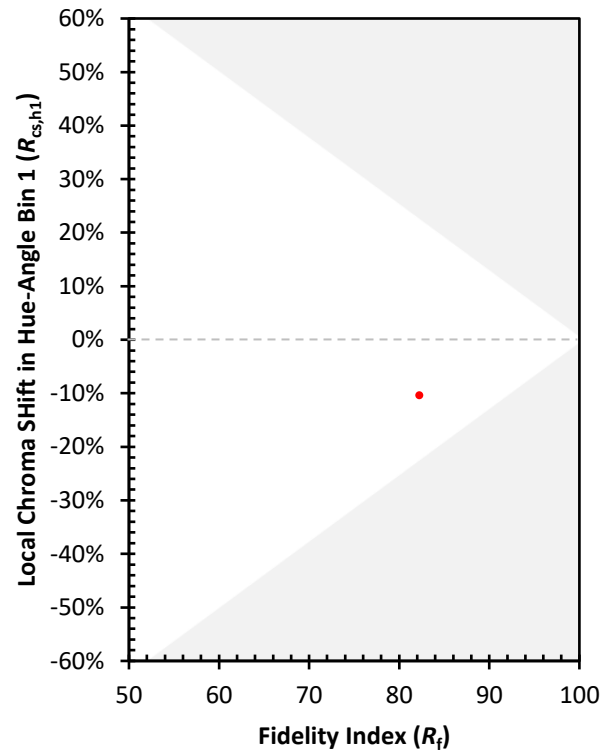
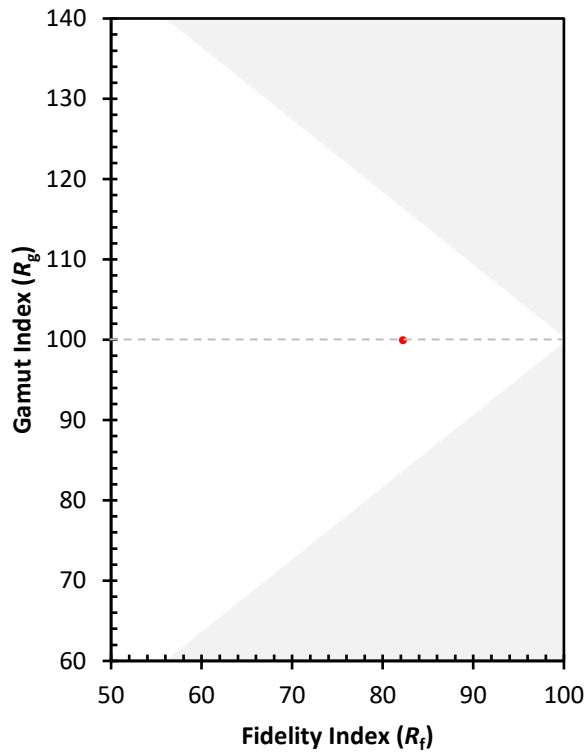
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82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