

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: P1067080

Luminaire Tested: **NAV-SA1D-827-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067080
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1D-827-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4881.1 lumens
Efficiency: N/A
Efficacy: 86.4 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



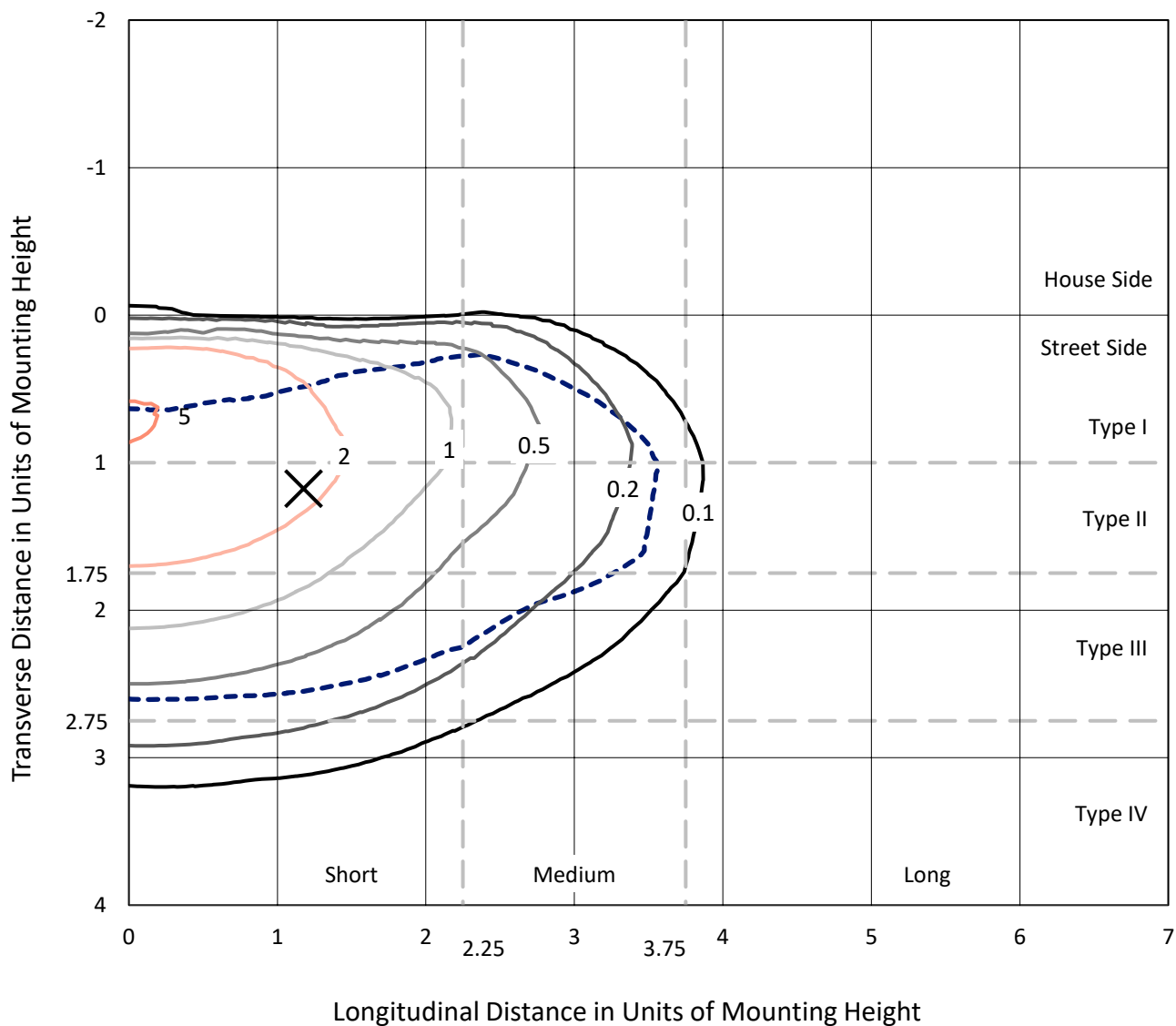
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CATALOG NUMBER: NAV-SA1D-827-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

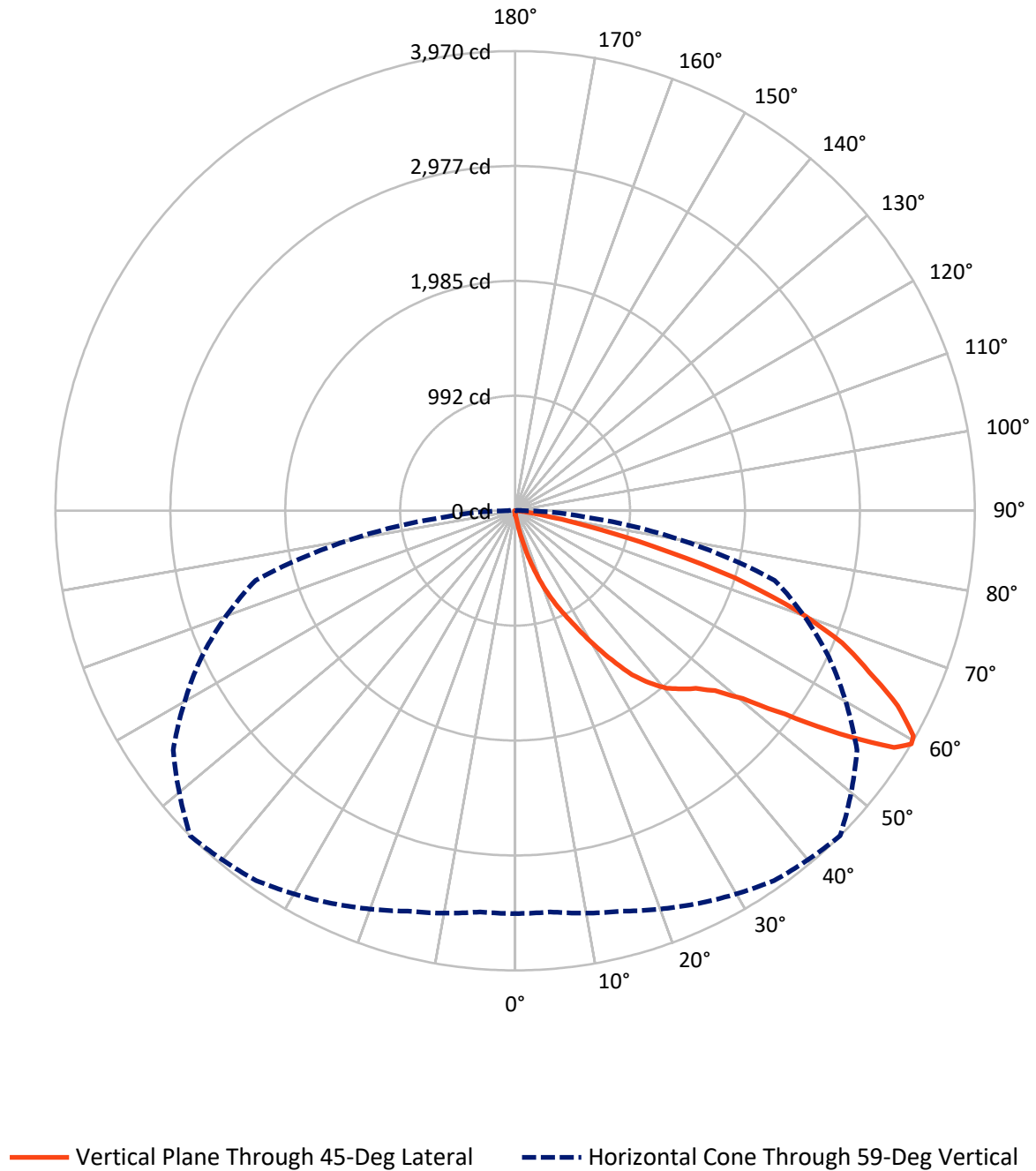


Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.3	0.0	17.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4863.8	0.0	4863.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	4881.1	0.0	4881.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	53.9	1.1
20°-30°	193.9	4.0
30°-40°	450.5	9.2
40°-50°	767.8	15.7
50°-60°	1265.1	25.9
60°-70°	1462.7	30.0
70°-80°	628.4	12.9
80°-90°	54.3	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°	4881.1	100.0
0°-180°	4881.1	100.0



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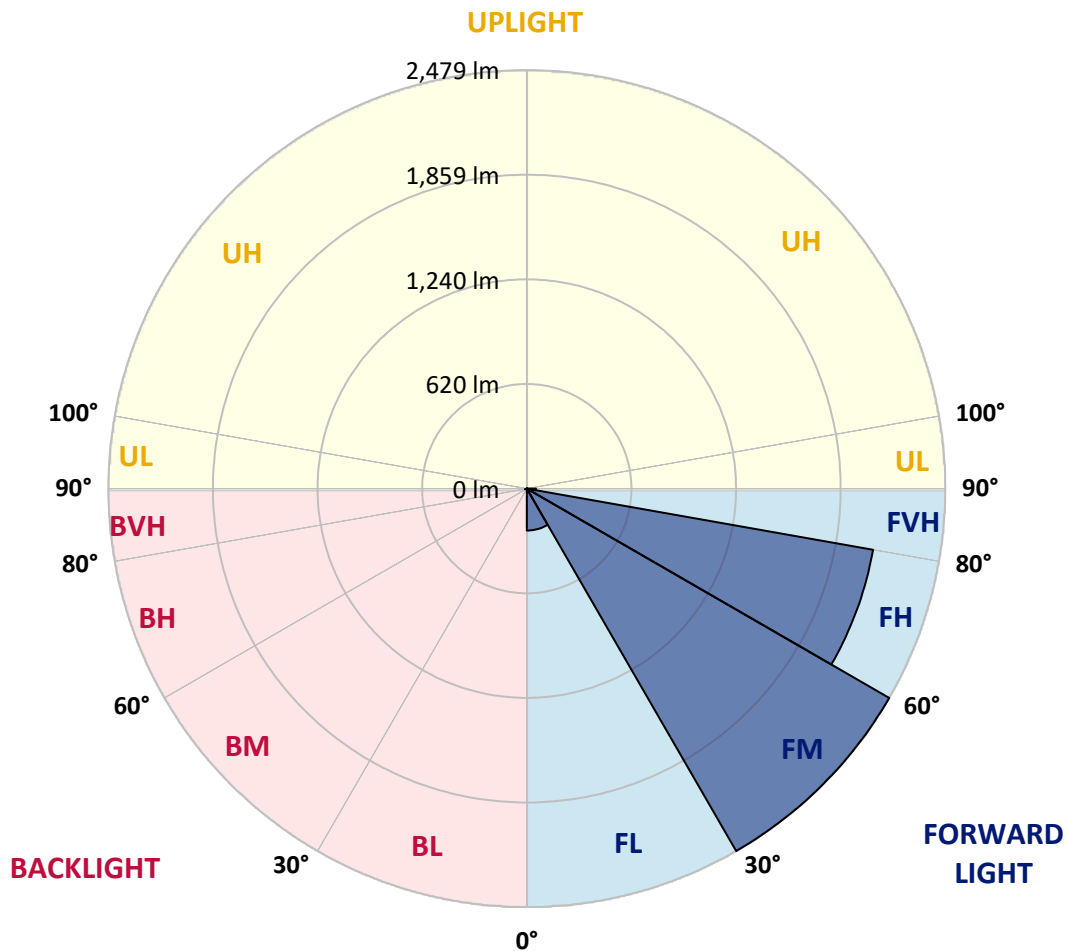
CATALOG NUMBER: NAV-SA1D-827-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.1	5.1			
FM	(30°-60°)	2479.1	50.8			
FH	(60°-80°)	2083.0	42.7			G2/5000
FVH	(80°-90°)	53.6	1.1			G1/100
BL	(0°-30°)	4.3	0.1	B0/110		
BM	(30°-60°)	4.2	0.1	B0/220		
BH	(60°-80°)	8.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G2

Type III Short



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CATALOG NUMBER: NAV-SA1D-827-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
2.5°	40.0	40.0	39.1	37.7	37.4	36.4	36.4	35.4	34.1	33.1	31.8
5°	58.1	57.8	55.1	51.9	47.6	45.0	45.0	41.4	38.1	35.1	32.5
7.5°	127.0	124.1	114.5	98.8	78.1	64.3	63.3	51.5	43.7	37.7	32.8
10°	291.5	281.3	267.8	230.1	170.0	118.8	116.5	75.2	52.2	40.7	33.5
12.5°	477.5	485.8	458.8	399.4	329.2	244.8	228.4	126.7	68.9	44.6	34.1
15°	646.9	644.9	629.8	581.3	500.2	387.9	377.8	220.2	98.8	50.9	34.8
17.5°	773.6	771.3	756.9	725.7	663.3	551.1	542.2	351.2	154.9	59.7	35.4
20°	907.2	904.2	883.9	858.9	804.4	708.9	698.4	497.6	242.5	74.2	35.4
22.5°	1067.3	1061.8	1040.1	997.8	940.3	857.3	847.8	647.2	351.2	97.8	37.1
25°	1261.0	1251.5	1221.6	1183.5	1114.3	1004.0	993.8	814.0	482.1	133.6	38.7
27.5°	1481.9	1483.5	1443.1	1378.8	1285.9	1173.3	1154.3	963.3	617.7	184.8	40.7
30°	1744.1	1727.7	1670.9	1596.1	1505.8	1362.4	1344.0	1112.0	770.0	260.3	44.0
32.5°	1989.6	1971.9	1895.4	1801.2	1704.4	1553.1	1538.0	1279.0	908.5	349.5	49.9
35°	2200.3	2187.8	2080.8	1966.0	1880.0	1744.8	1740.2	1465.5	1071.3	445.7	56.5
37.5°	2385.8	2363.1	2225.6	2106.5	2019.1	1898.0	1888.2	1636.1	1228.2	557.3	66.3
40°	2544.0	2531.5	2363.8	2207.2	2136.3	2028.0	2015.5	1785.8	1390.3	686.9	78.4
42.5°	2713.3	2696.9	2534.1	2358.5	2227.9	2112.0	2103.8	1909.2	1534.7	829.4	96.5
45°	2904.7	2874.1	2731.4	2573.8	2375.3	2199.0	2189.8	2019.1	1682.7	982.3	118.5
47.5°	3109.1	3082.5	2967.0	2856.4	2628.0	2342.4	2322.7	2112.7	1829.8	1158.9	146.4
50°	3317.2	3317.9	3231.2	3178.1	2936.8	2575.5	2547.6	2250.2	1984.4	1348.0	187.7
52.5°	3559.4	3565.7	3564.4	3525.0	3337.9	2956.5	2919.1	2458.9	2163.9	1568.5	244.8
55°	3660.9	3672.0	3744.5	3831.8	3781.0	3439.6	3399.6	2819.0	2401.8	1814.3	329.5
57.5°	3577.8	3590.3	3690.4	3843.3	3960.2	3862.7	3858.1	3287.7	2715.3	2112.4	468.0
59°	3479.0	3477.4	3580.1	3742.2	3899.8	3963.1	3969.7	3604.7	2988.3	2321.4	587.5
60°	3413.4	3414.7	3483.0	3649.4	3816.8	3926.7	3952.3	3791.5	3147.9	2471.7	689.9
62.5°	3160.0	3175.1	3229.3	3383.8	3542.7	3665.4	3709.1	3957.9	3604.4	2826.9	1046.0
65°	2884.6	2885.6	2962.7	3095.0	3247.3	3333.6	3361.2	3698.9	3909.3	3188.6	1513.0
67.5°	2393.3	2413.3	2501.0	2715.3	2916.5	3025.8	3046.8	3219.7	3782.9	3424.2	1747.1
70°	1674.9	1701.1	1826.2	2104.2	2403.8	2583.3	2582.0	2676.6	3329.4	3319.2	1481.2
72.5°	836.3	881.6	983.6	1281.3	1644.3	1926.3	1985.7	2153.1	2674.6	2757.0	1105.1
75°	369.6	372.2	430.3	580.3	817.2	1175.3	1228.5	1709.0	2052.0	1916.1	798.2
77.5°	215.0	216.9	227.4	260.6	331.2	576.0	635.7	1120.8	1450.0	1113.6	520.5
80°	78.1	80.1	79.8	98.8	145.1	226.8	252.7	543.2	967.2	586.5	272.7
82.5°	47.9	47.9	46.3	46.6	52.8	87.0	95.2	231.4	471.0	288.8	78.1
85°	23.6	24.9	26.6	29.9	35.4	43.0	45.6	66.3	158.5	69.9	18.7
87.5°	14.1	14.4	15.8	19.0	23.6	30.9	32.8	45.0	56.8	46.9	4.6
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-SA1D-827-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
2.5°	31.2	30.9	29.2	27.9	26.6	25.3	24.3	23.3	23.3	23.6	23.3
5°	31.2	29.9	27.2	24.9	23.0	21.3	19.7	18.4	18.1	18.1	18.4
7.5°	30.9	29.2	25.6	22.6	20.0	17.7	16.1	14.4	14.1	14.4	14.1
10°	30.5	28.6	24.3	20.7	17.1	14.8	12.5	10.8	10.8	10.8	11.2
12.5°	30.5	27.6	23.0	18.7	14.8	12.1	9.8	8.2	7.9	7.9	7.9
15°	30.2	26.9	21.7	16.4	12.5	9.2	7.2	5.6	5.6	5.6	5.6
17.5°	29.5	25.9	20.0	14.4	9.8	6.9	4.9	3.3	3.3	3.9	3.9
20°	28.9	24.9	18.1	11.8	8.2	5.3	3.3	2.0	2.0	3.0	3.3
22.5°	29.2	24.9	16.7	10.5	6.6	3.9	2.6	1.6	1.3	2.3	3.0
25°	29.5	24.3	15.1	9.2	4.9	3.0	2.0	0.7	0.3	0.7	1.0
27.5°	29.5	23.6	13.1	7.2	3.6	2.3	1.0	0.0	0.0	0.0	0.0
30°	29.2	22.6	11.5	5.9	2.6	1.3	0.3	0.0	0.0	0.0	0.0
32.5°	28.9	21.7	10.5	4.6	2.3	0.7	0.0	0.0	0.0	0.0	0.0
35°	29.2	20.3	9.2	3.6	1.3	0.0	0.0	0.0	0.0	0.0	0.7
37.5°	30.2	19.0	7.9	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	31.5	18.1	6.6	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	34.1	18.1	5.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	37.4	18.1	4.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	41.7	18.4	4.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	46.9	19.0	3.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	50.9	18.4	3.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	57.8	17.7	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	67.0	16.7	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	76.1	15.4	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	86.6	14.8	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	143.1	13.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	276.4	12.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	446.7	12.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	469.7	12.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	312.5	10.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	167.4	9.2	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	90.3	8.5	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	39.7	6.2	1.6	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	15.8	4.3	2.0	1.6	1.3	0.7	0.0	0.0	0.0	0.0	0.0
85°	7.5	3.3	2.6	2.3	1.6	1.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.3	3.0	2.6	2.3	1.6	0.3	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

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

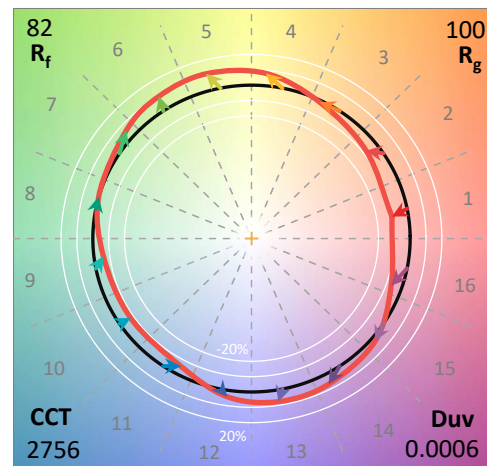
Test Information

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
 Rf: 82.2
 Rg: 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

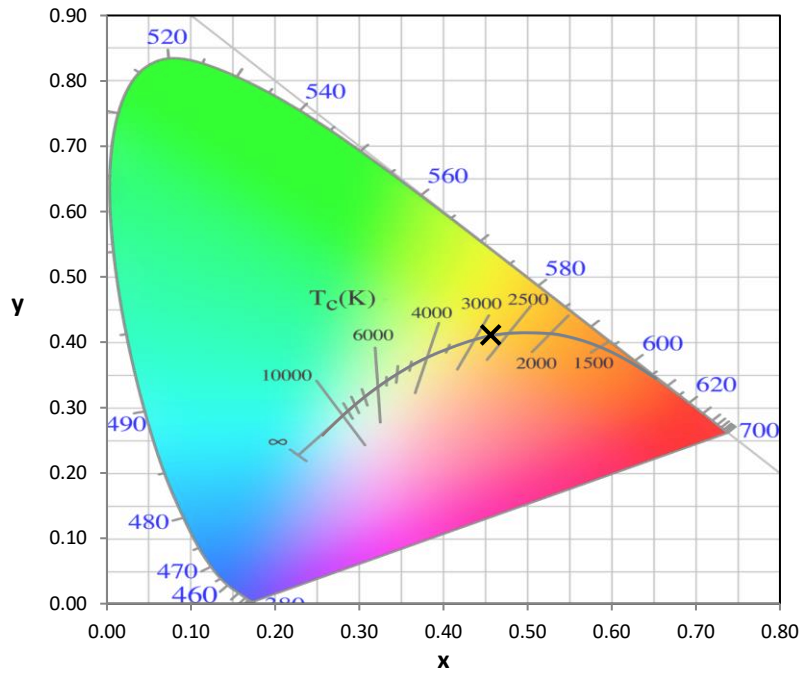
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

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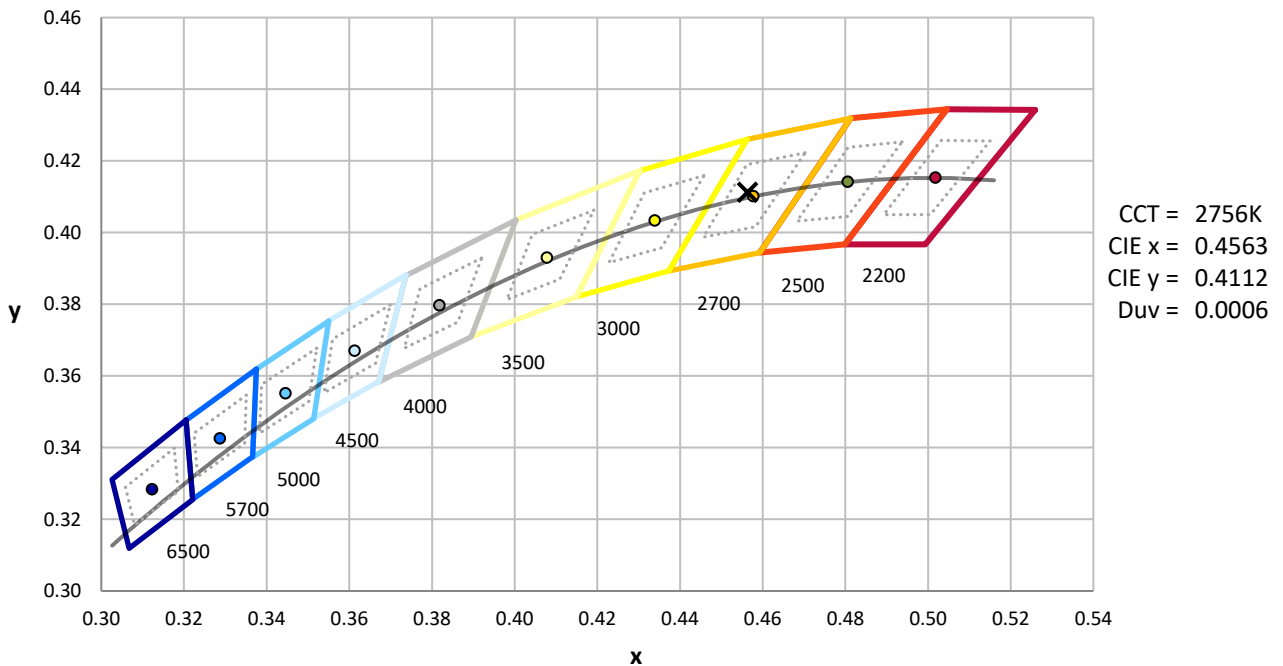
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



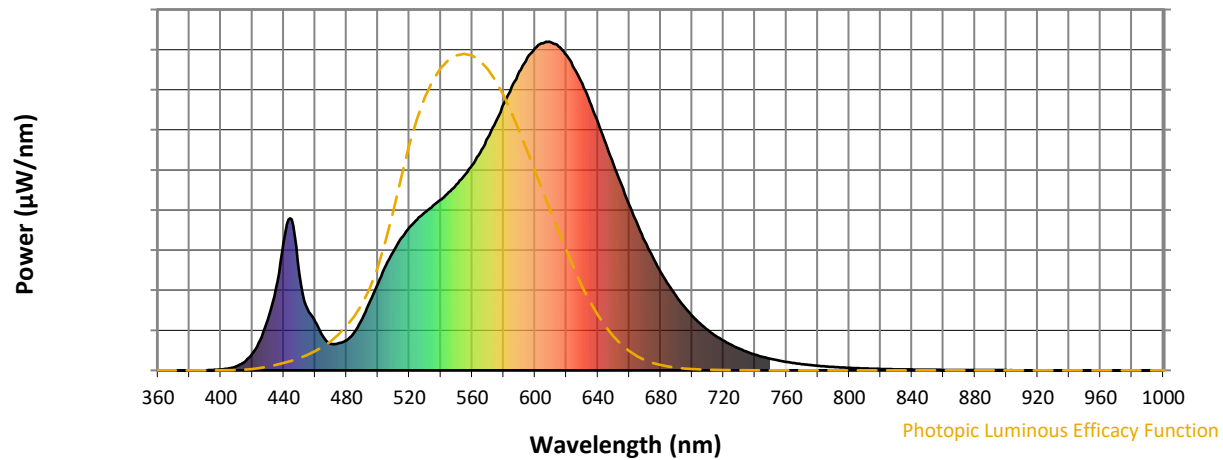
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

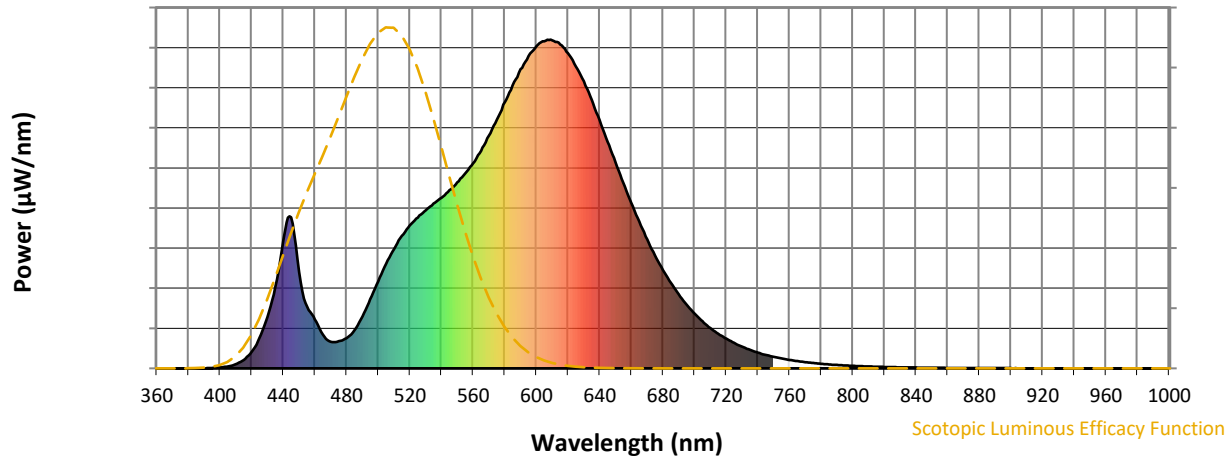


Photopic Lumens: NR

λ (nm)	Power 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



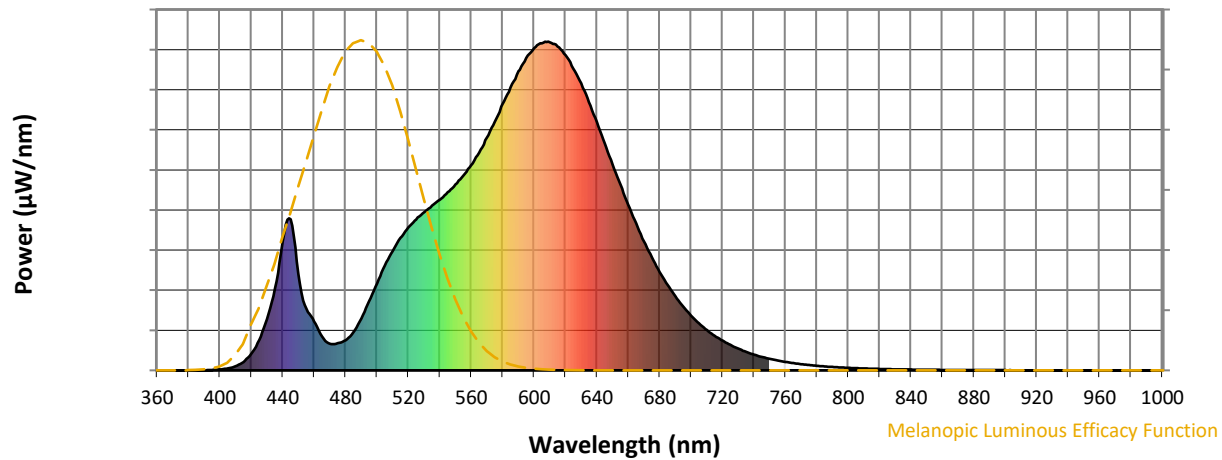
Scotopic Lumens: NR

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

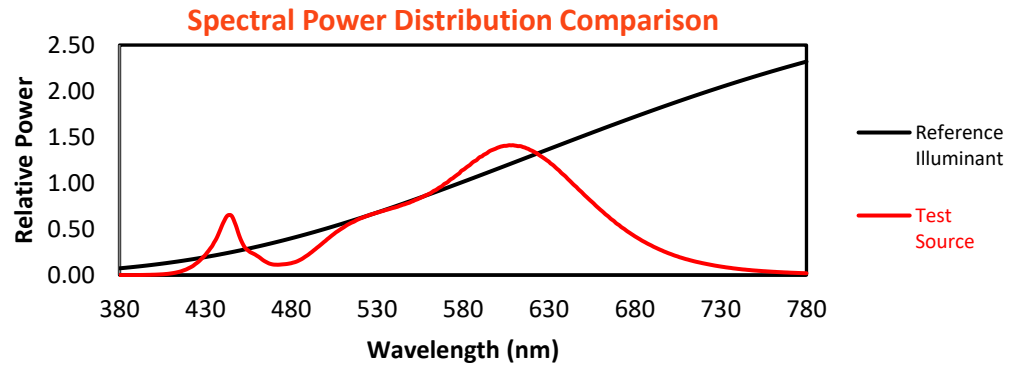
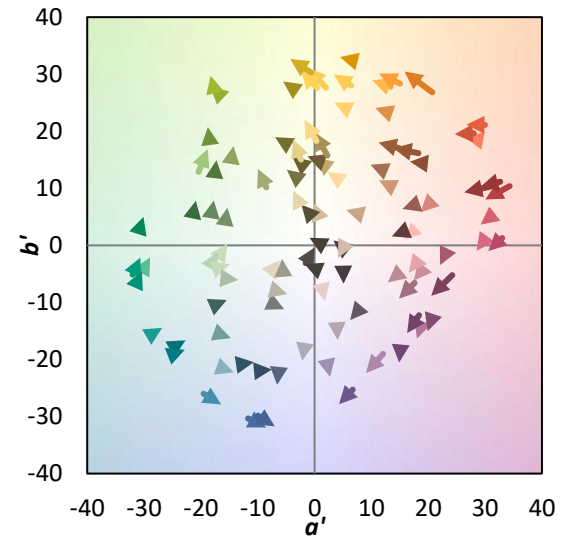
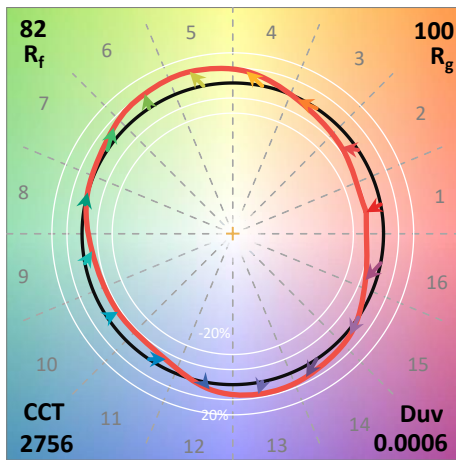
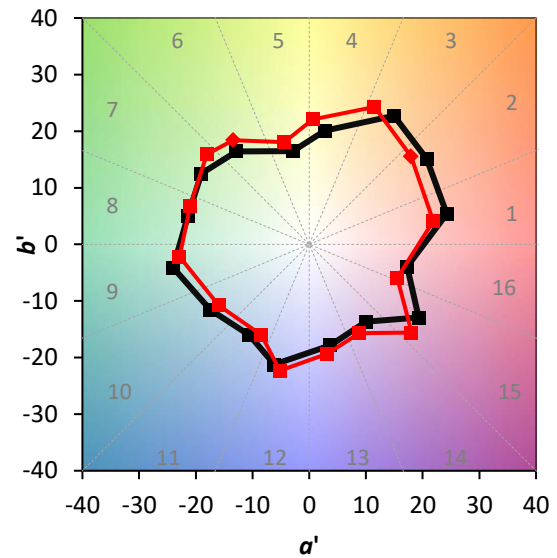
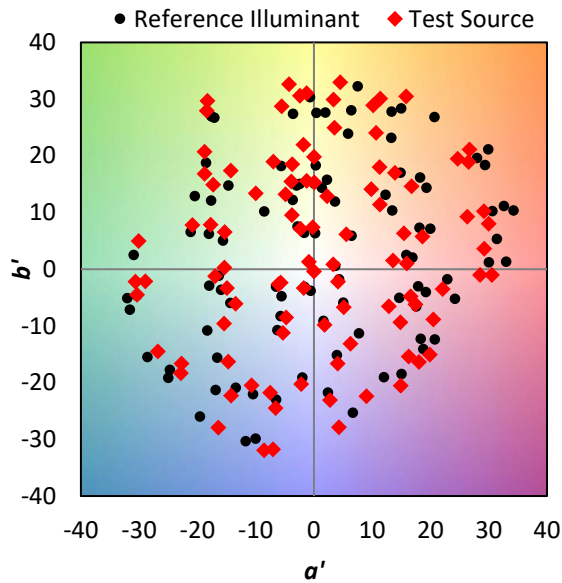


Melanopic Lumens: NR

M/P: 2.16

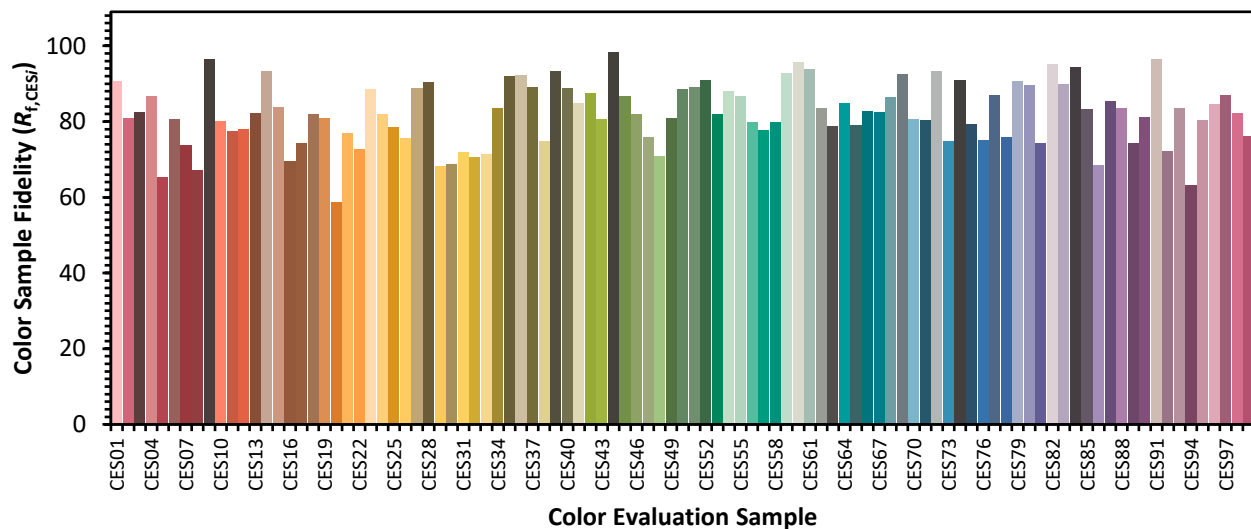
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	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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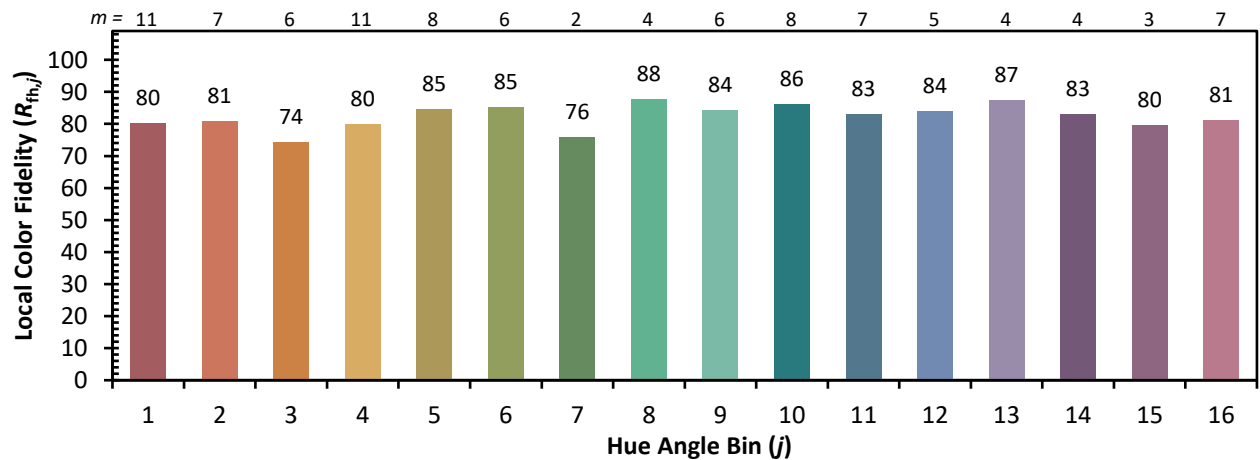
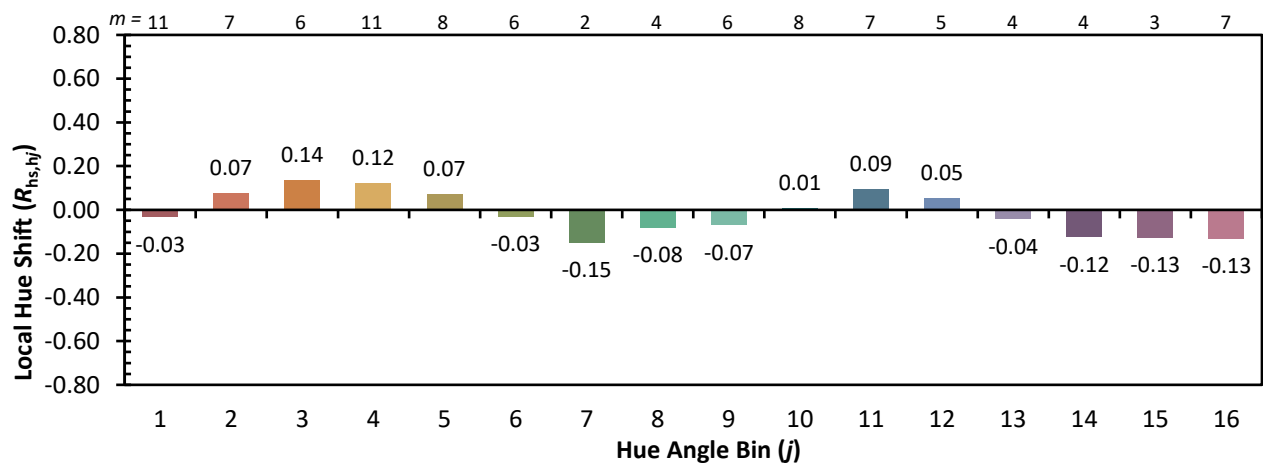
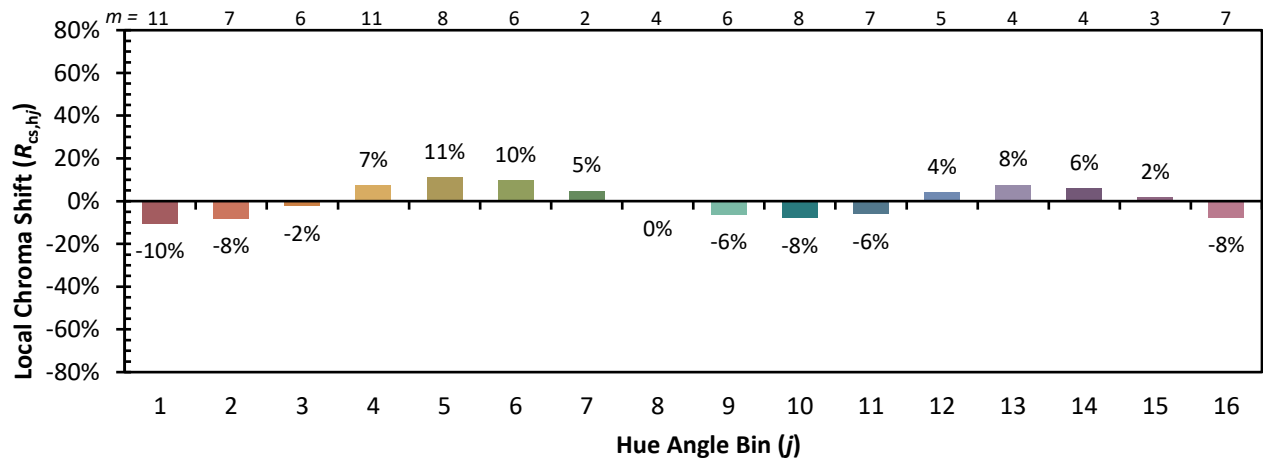
TM-30-18
Summary
 $R_f = 82.2$
 $R_g = 99.9$
 CIE $R_a = 82.9$
 $R_9 = 10.8$

Color Vector Graphics


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

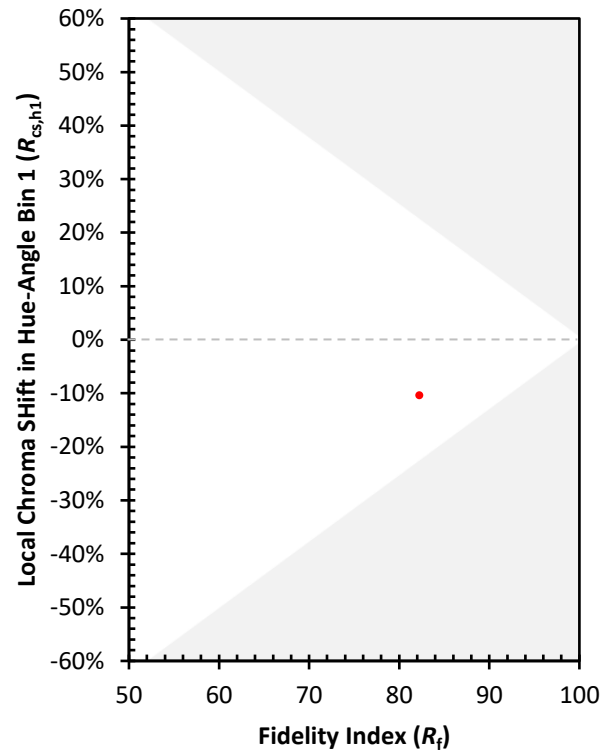
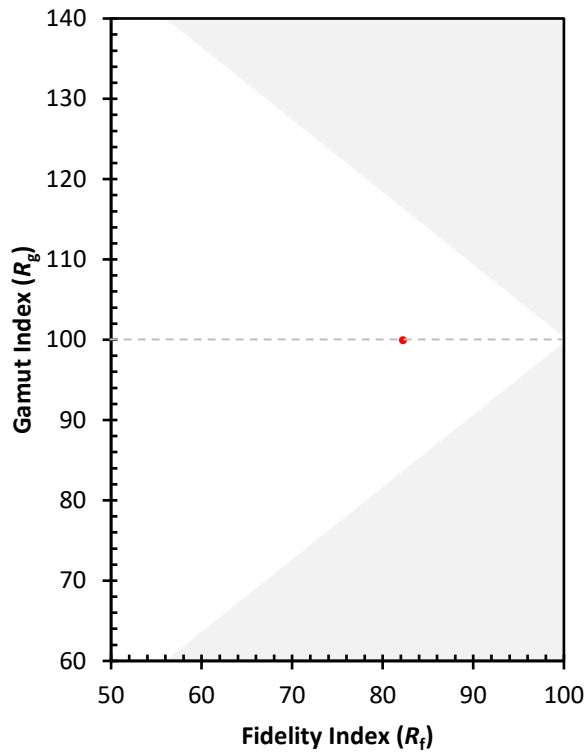
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82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