

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: P1067435

Luminaire Tested: **NAV-SA6C-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067435
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6C-722-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24320.9 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 279.1
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

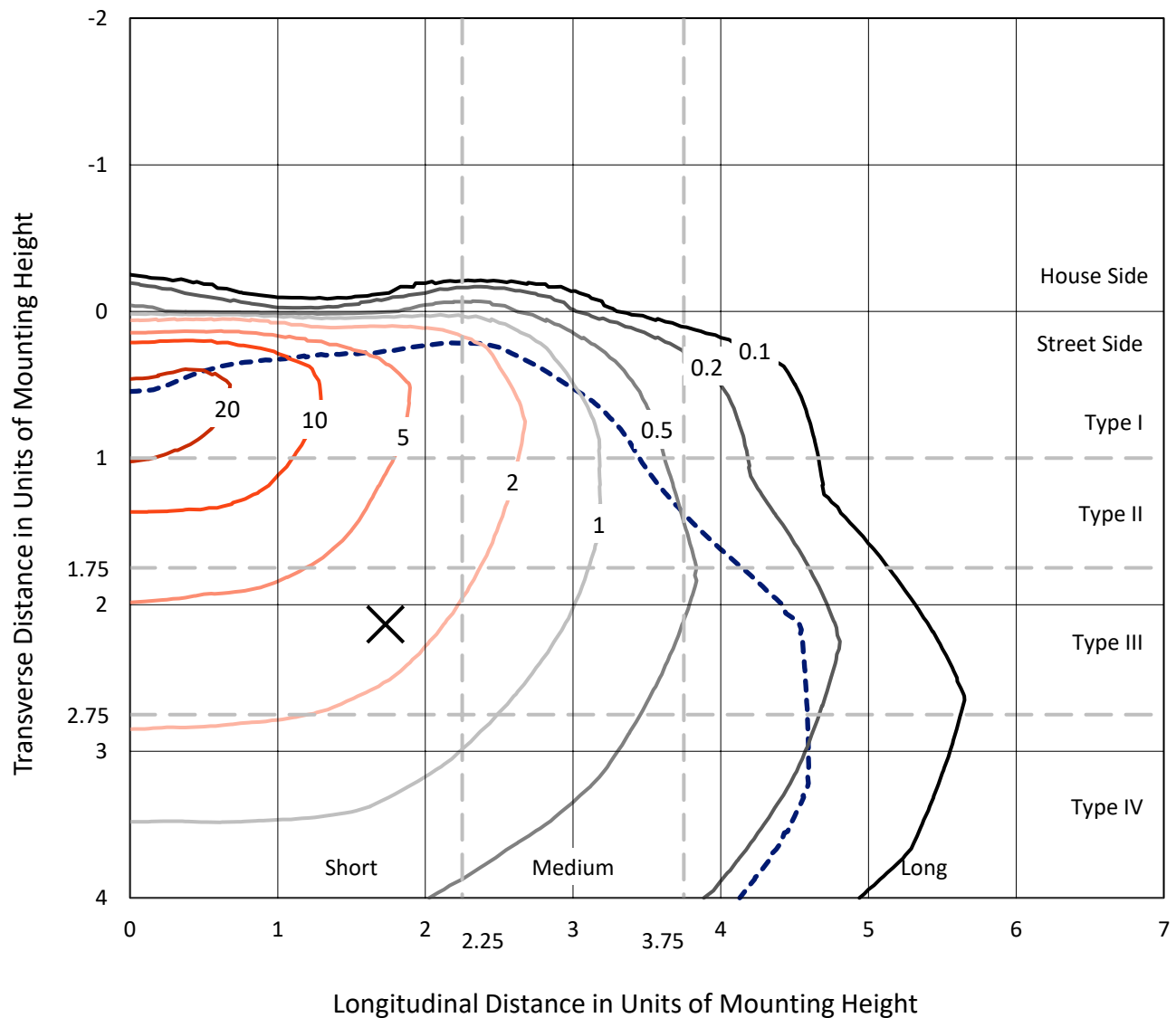


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

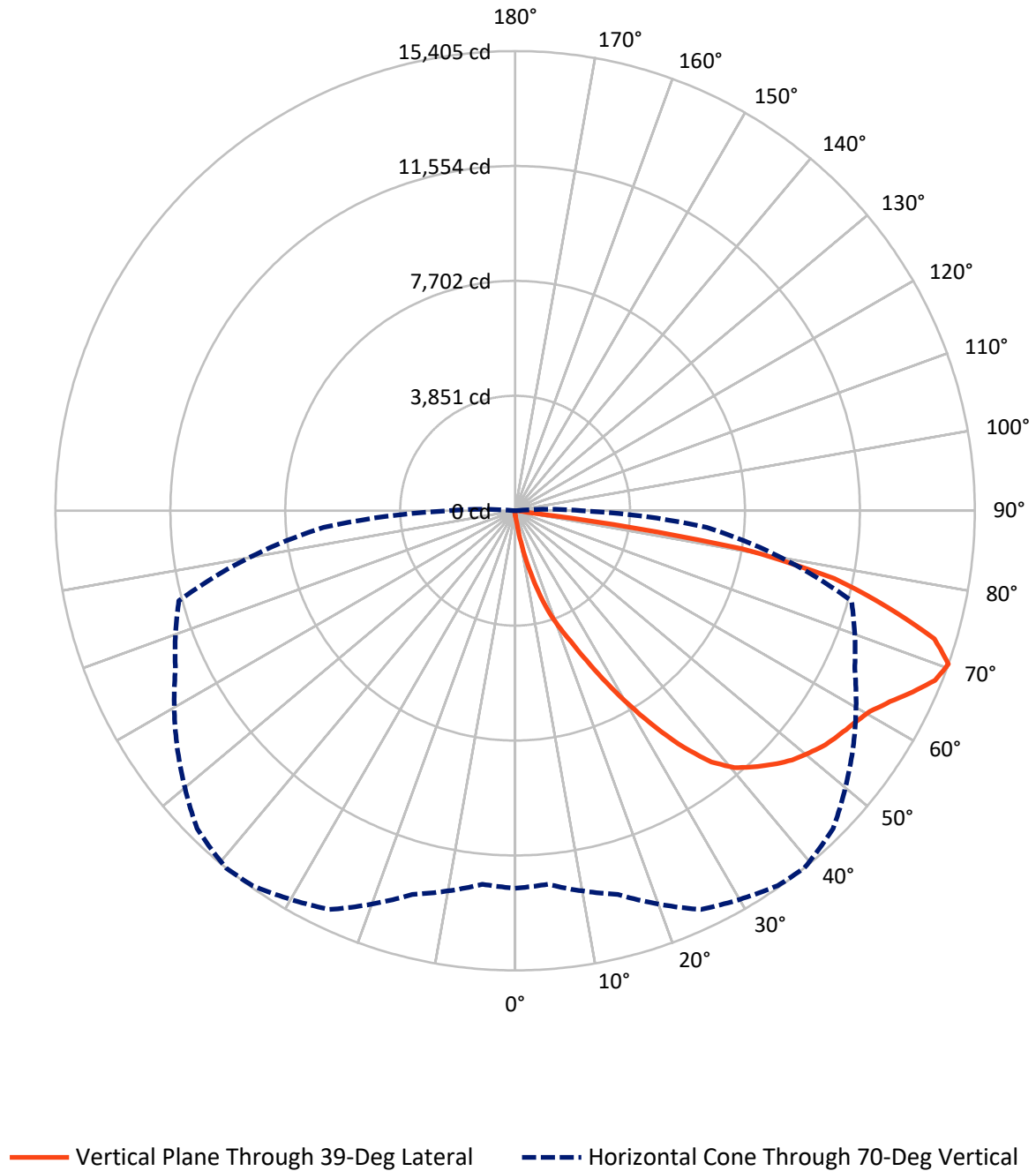


Based on 15 foot mounting height. Maximum calculated value = 26.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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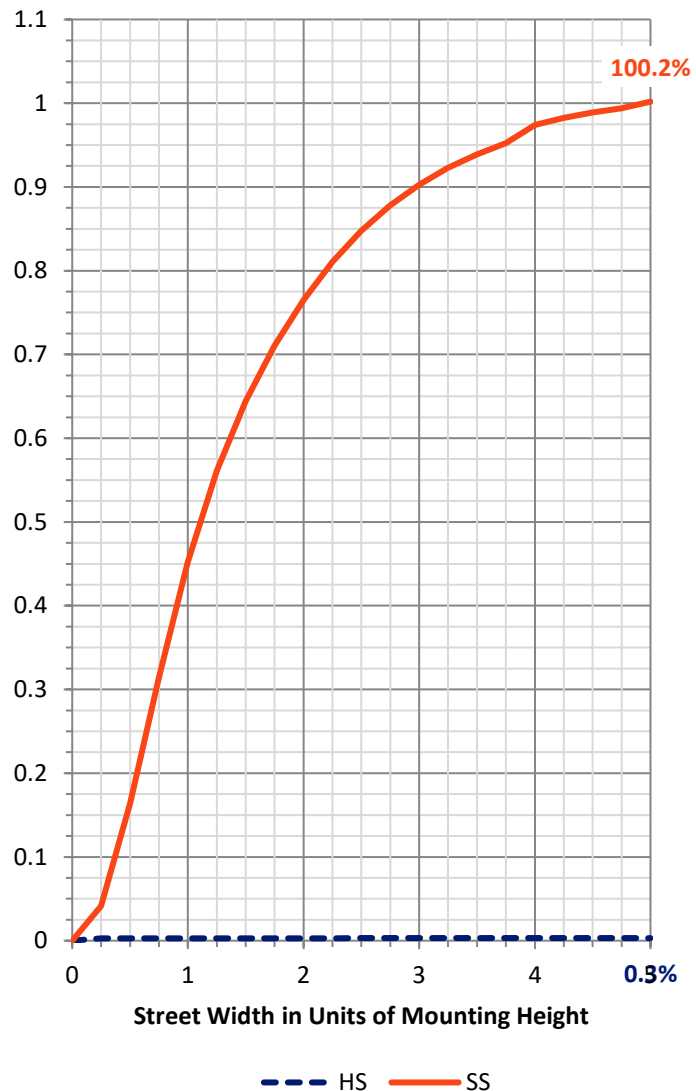
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	74.9	0.0	74.9
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	24246.0	0.0	24246.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	24320.9	0.0	24320.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.1
10°-20°	299.0	1.2
20°-30°	1014.6	4.2
30°-40°	2384.6	9.8
40°-50°	3872.1	15.9
50°-60°	4906.7	20.2
60°-70°	6232.8	25.6
70°-80°	5064.1	20.8
80°-90°	521.4	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°	24320.9	100.0
0°-180°	24320.9	100.0



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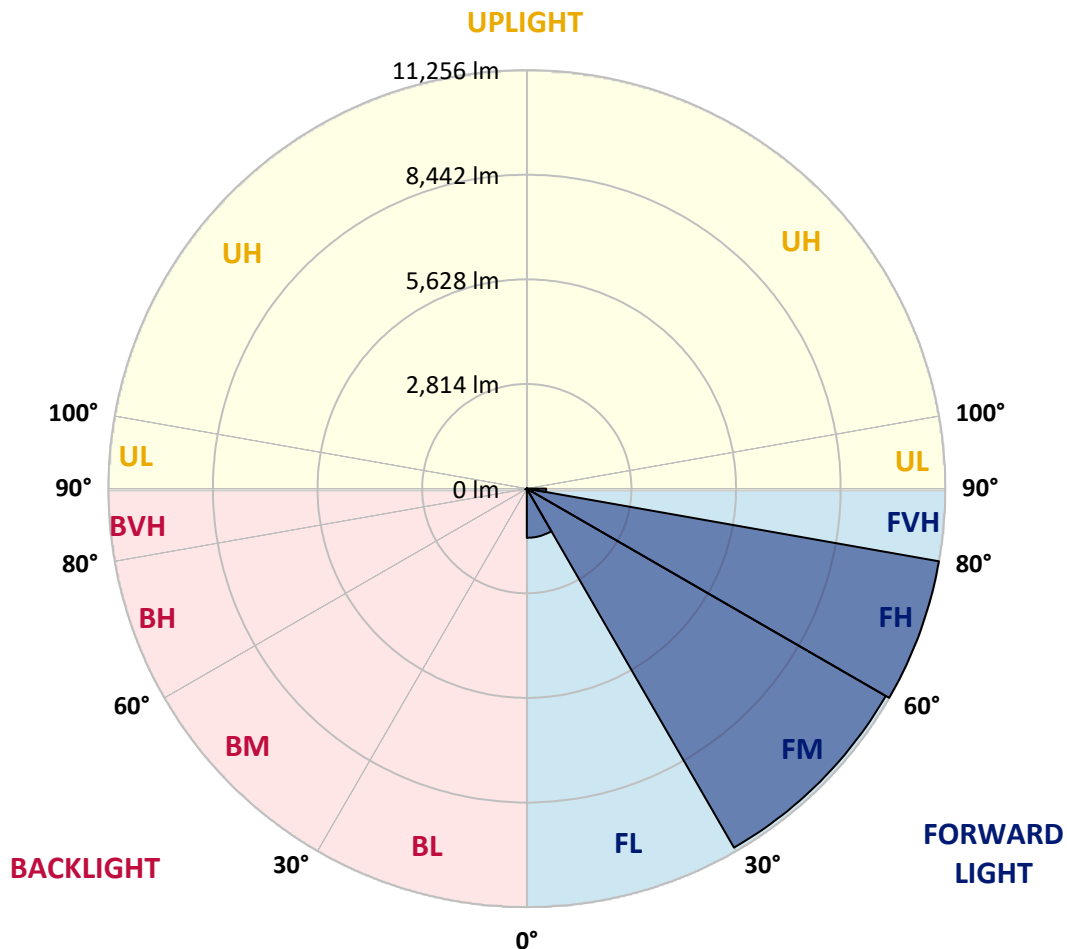
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1323.0	5.4			
FM	(30°-60°)	11149.0	45.8			
FH	(60°-80°)	11255.8	46.3			G4/12000
FVH	(80°-90°)	518.3	2.1			G4/750
BL	(0°-30°)	16.2	0.1	B0/110		
BM	(30°-60°)	14.4	0.1	B0/220		
BH	(60°-80°)	41.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.1	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1
2.5°	171.7	171.7	171.7	165.1	165.1	158.5	158.5	151.9	145.3	145.3	138.7
5°	323.5	330.2	310.3	270.7	244.3	231.1	217.9	184.9	165.1	151.9	138.7
7.5°	884.8	858.4	818.8	686.7	528.2	449.0	383.0	270.7	198.1	158.5	138.7
10°	1862.1	1789.4	1677.2	1498.9	1188.6	1063.1	825.4	495.2	277.3	178.3	138.7
12.5°	2733.7	2746.9	2608.2	2436.5	2060.2	1848.9	1525.3	931.0	435.8	211.3	138.7
15°	3394.0	3380.8	3327.9	3189.3	2852.5	2647.8	2357.3	1564.9	732.9	264.1	145.3
17.5°	3915.6	3862.8	3843.0	3783.6	3565.7	3453.4	3136.5	2304.5	1162.1	356.6	151.9
20°	4437.3	4424.0	4404.2	4338.2	4192.9	4113.7	3869.4	3050.6	1730.0	508.4	165.1
22.5°	5196.6	5124.0	5137.2	4991.9	4873.1	4734.4	4536.3	3843.0	2383.7	726.3	184.9
25°	6088.0	6081.4	5975.8	5909.7	5711.6	5559.8	5295.7	4608.9	3110.0	1049.9	204.7
27.5°	7137.9	7065.3	7019.1	6906.8	6702.1	6530.4	6167.3	5368.3	3895.8	1413.1	231.1
30°	8234.0	8234.0	8148.2	7976.5	7778.4	7567.1	7197.3	6167.3	4675.0	1875.3	264.1
32.5°	9515.0	9541.4	9330.1	9072.6	8815.1	8669.8	8187.8	7071.9	5421.1	2403.5	303.7
35°	10756.4	10723.4	10373.4	10089.5	9898.0	9739.5	9330.1	8062.3	6266.3	3017.6	356.6
37.5°	11944.9	11859.1	11278.0	10875.2	10789.4	10683.7	10274.4	9052.8	7104.9	3697.7	422.6
40°	12796.7	12664.7	12063.8	11509.1	11383.7	11324.2	11007.3	9950.8	7989.7	4457.1	508.4
42.5°	13166.5	13014.6	12598.6	12149.6	11872.3	11733.6	11456.3	10683.7	8874.5	5302.3	633.9
45°	13239.1	13120.3	12823.1	12717.5	12341.1	12129.8	11753.4	11205.4	9699.9	6140.8	805.6
47.5°	12975.0	12922.2	12743.9	12968.4	12776.9	12486.4	12030.8	11595.0	10432.8	7157.7	1043.3
50°	12327.9	12288.3	12374.1	12961.8	13093.9	12763.7	12334.5	11898.7	11066.7	8207.6	1380.0
52.5°	11456.3	11449.7	11852.5	12790.1	13232.5	13027.8	12631.6	12202.5	11568.6	9224.5	1855.5
55°	10505.5	10617.7	11324.2	12631.6	13311.8	13219.3	12922.2	12473.2	12017.6	10168.7	2621.4
57.5°	10426.2	10380.0	11060.1	12565.6	13358.0	13410.8	13212.7	12757.1	12400.5	10941.3	3644.9
60°	11218.6	11112.9	11370.5	12704.3	13562.7	13655.1	13503.3	12975.0	12783.5	11548.7	4991.9
62.5°	12136.4	12037.4	12169.4	13239.1	13965.5	14097.5	13906.0	13199.5	13093.9	11971.3	6438.0
65°	12869.4	12790.1	13041.0	14038.1	14526.7	14639.0	14506.9	13615.5	13232.5	12314.7	7613.3
67.5°	12988.2	12889.2	13410.8	14572.9	15094.6	15173.8	15068.2	14018.3	13186.3	12341.1	7884.1
70°	12651.5	12565.6	13311.8	14744.6	15338.9	15404.9	15068.2	13826.8	12559.0	11667.6	6444.6
72.5°	11614.8	11680.8	12644.9	14328.6	15002.1	14698.4	13985.3	12862.8	11746.8	9891.4	4523.1
75°	10003.6	10076.3	11357.3	13186.3	13239.1	12869.4	12486.4	11832.7	10512.1	6517.2	3136.5
77.5°	7111.5	6854.0	8768.9	10888.4	10697.0	10934.7	10967.7	9845.2	8801.9	3394.0	2099.8
80°	699.9	594.3	1102.7	3123.2	6900.2	7712.4	8029.3	7586.9	6490.8	1518.7	1102.7
82.5°	151.9	151.9	165.1	178.3	277.3	416.0	1908.3	4675.0	4192.9	772.6	356.6
85°	85.8	85.8	105.6	125.5	165.1	184.9	217.9	290.5	1129.1	277.3	66.0
87.5°	66.0	72.6	85.8	105.6	138.7	151.9	184.9	231.1	283.9	257.5	19.8
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°	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1
2.5°	138.7	132.1	125.5	118.9	112.3	112.3	105.6	105.6	105.6	105.6	105.6
5°	132.1	125.5	118.9	105.6	99.0	92.4	85.8	85.8	85.8	85.8	85.8
7.5°	132.1	125.5	112.3	99.0	85.8	79.2	72.6	66.0	66.0	72.6	72.6
10°	132.1	118.9	99.0	85.8	72.6	66.0	59.4	52.8	52.8	52.8	52.8
12.5°	125.5	112.3	92.4	79.2	66.0	52.8	39.6	33.0	33.0	33.0	33.0
15°	118.9	105.6	85.8	66.0	46.2	33.0	26.4	19.8	19.8	19.8	19.8
17.5°	118.9	99.0	79.2	59.4	33.0	19.8	13.2	6.6	6.6	6.6	13.2
20°	118.9	99.0	72.6	46.2	19.8	13.2	13.2	6.6	0.0	6.6	6.6
22.5°	118.9	92.4	59.4	33.0	19.8	13.2	6.6	0.0	0.0	0.0	0.0
25°	125.5	92.4	52.8	26.4	13.2	6.6	0.0	0.0	0.0	0.0	0.0
27.5°	125.5	85.8	46.2	19.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	132.1	85.8	39.6	13.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	132.1	79.2	26.4	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	132.1	72.6	19.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	132.1	66.0	19.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	138.7	59.4	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	145.3	52.8	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	151.9	46.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	171.7	46.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	198.1	46.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	237.7	46.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	310.3	39.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	449.0	39.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	752.7	39.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1320.6	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2231.8	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2911.9	46.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2212.0	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1056.5	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	468.8	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	204.7	19.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	79.2	13.2	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0
82.5°	33.0	13.2	6.6	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0
85°	19.8	13.2	13.2	13.2	6.6	6.6	6.6	0.0	0.0	0.0	0.0
87.5°	13.2	13.2	13.2	13.2	13.2	6.6	6.6	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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

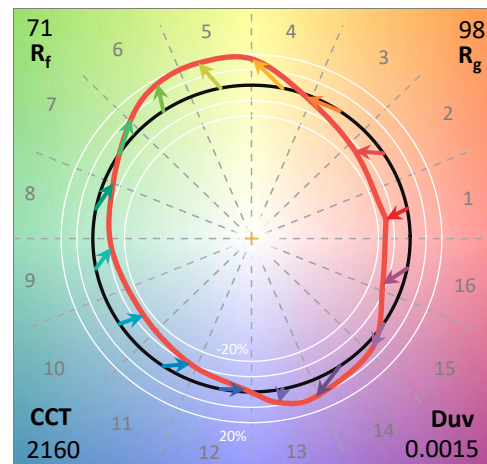
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

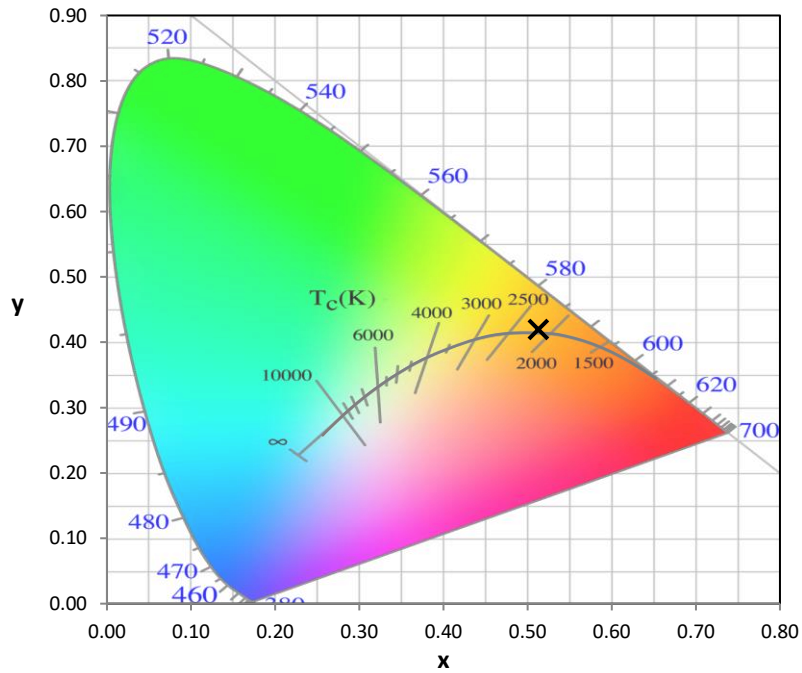
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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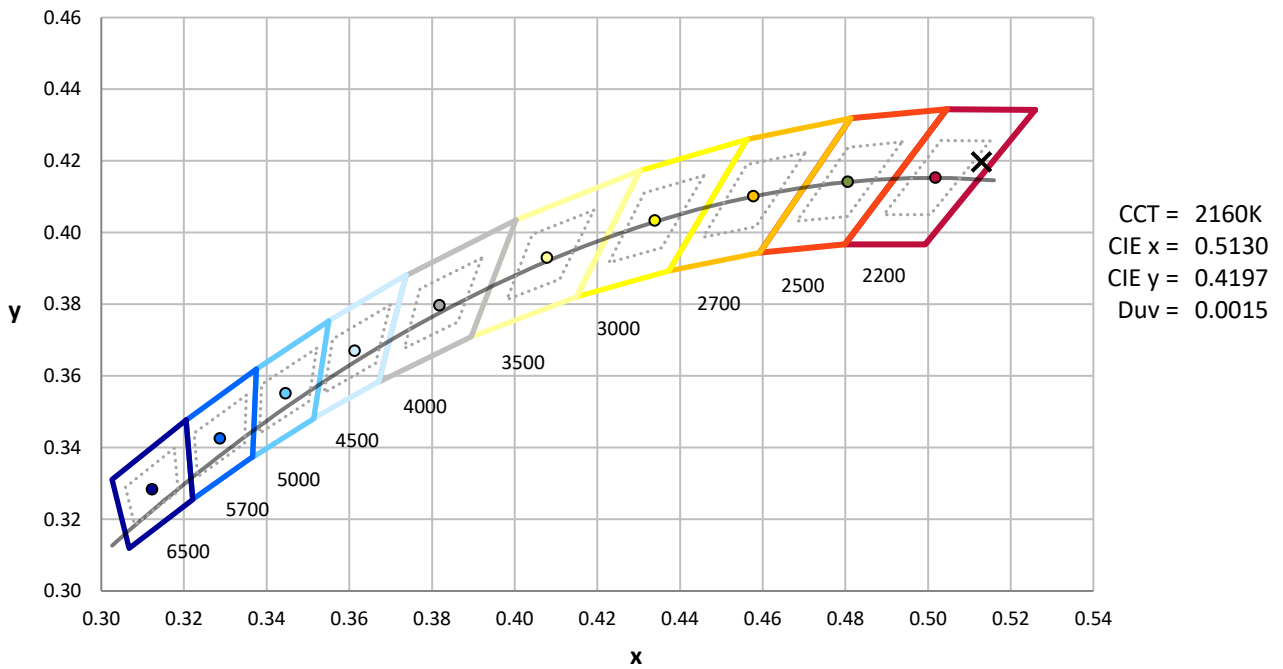
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



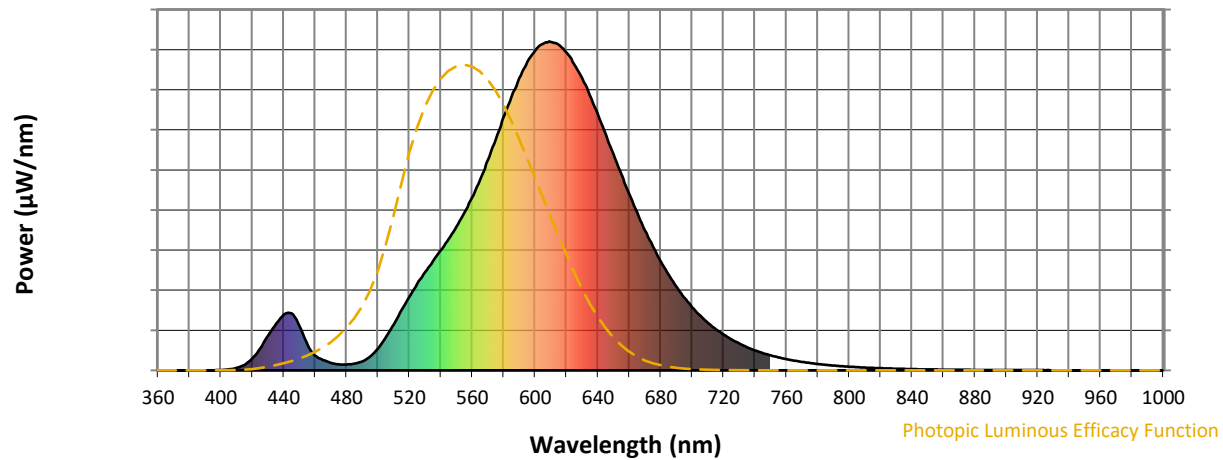
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

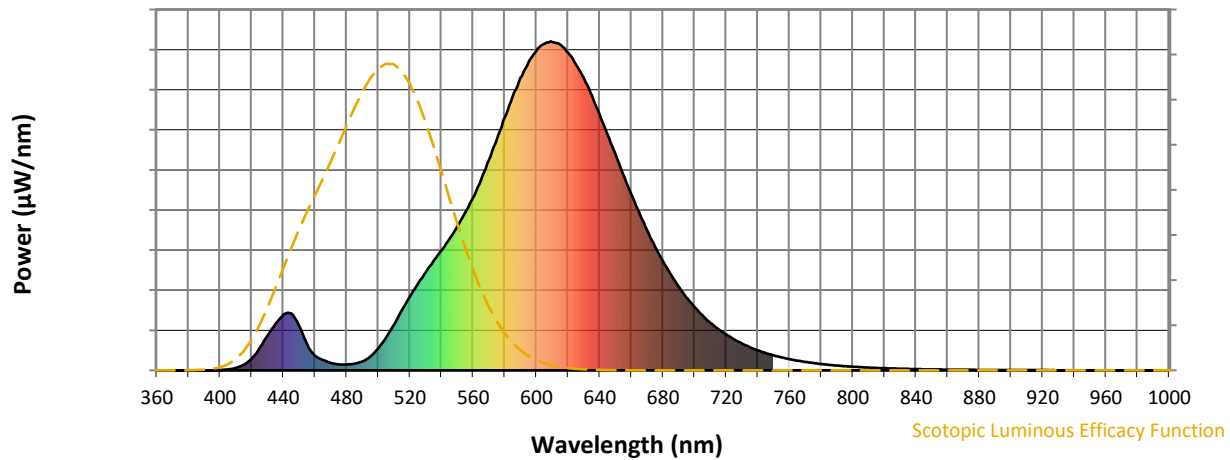


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



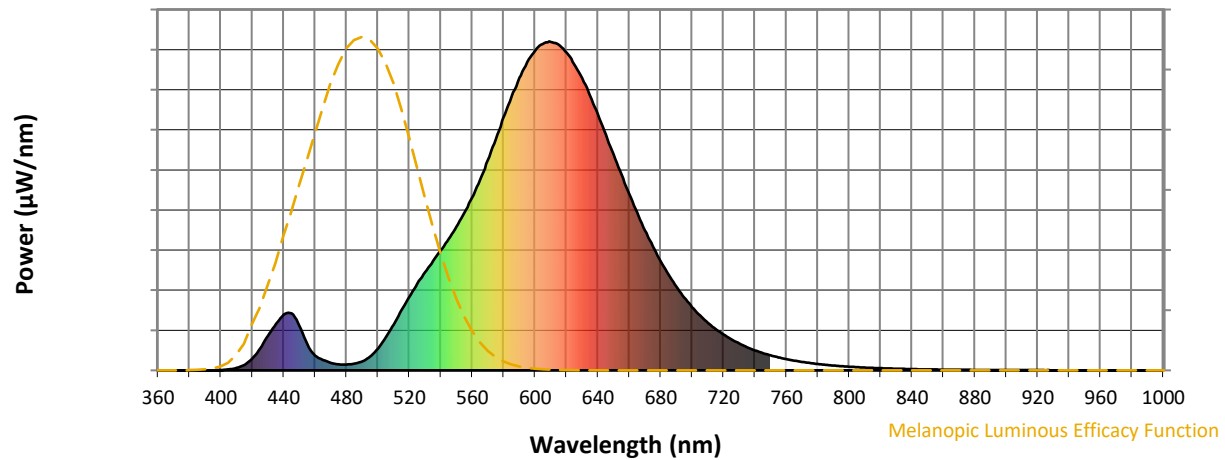
Scotopic Lumens: NR

S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.21

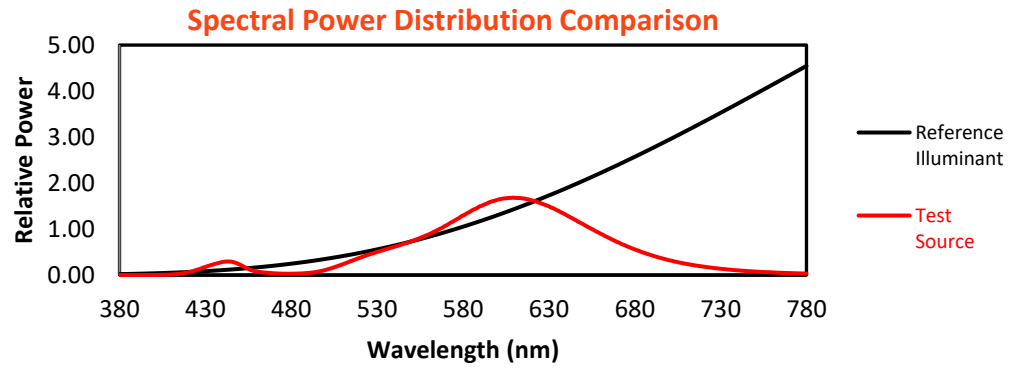
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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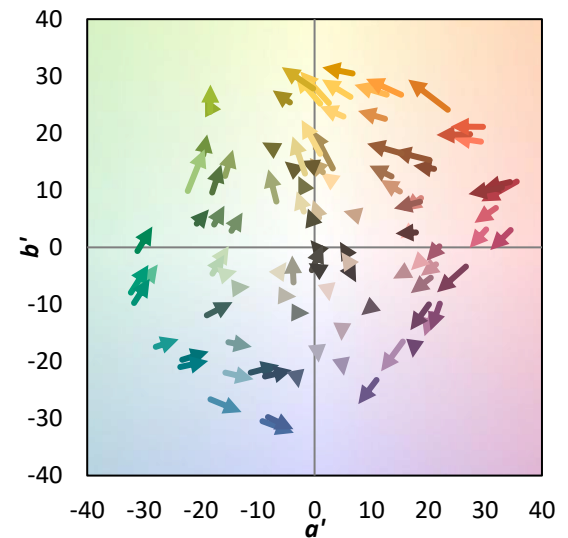
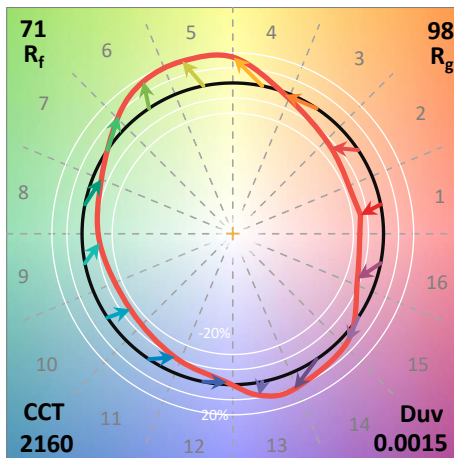
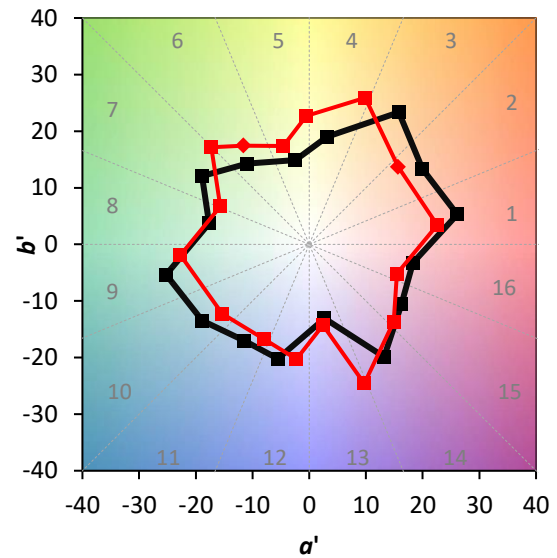
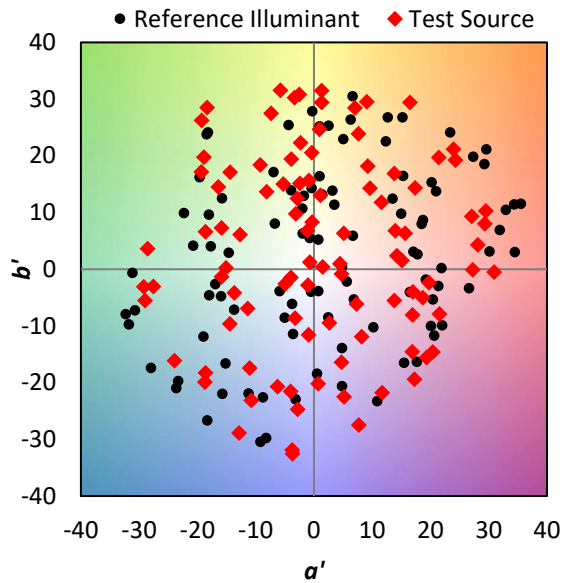
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE R_a = 71.9$
 $R_g = -17.8$

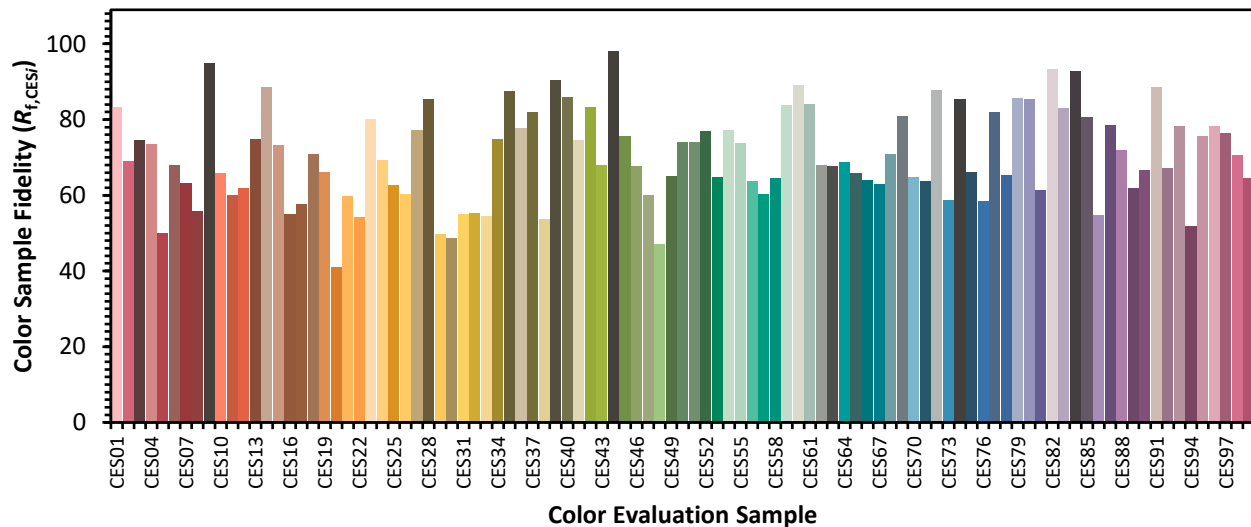


Color Vector Graphics

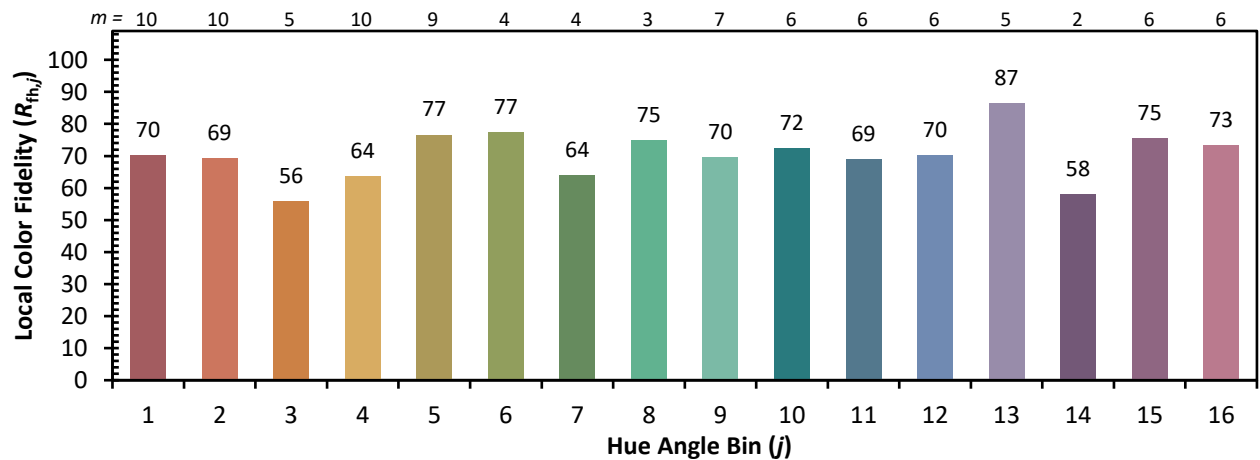
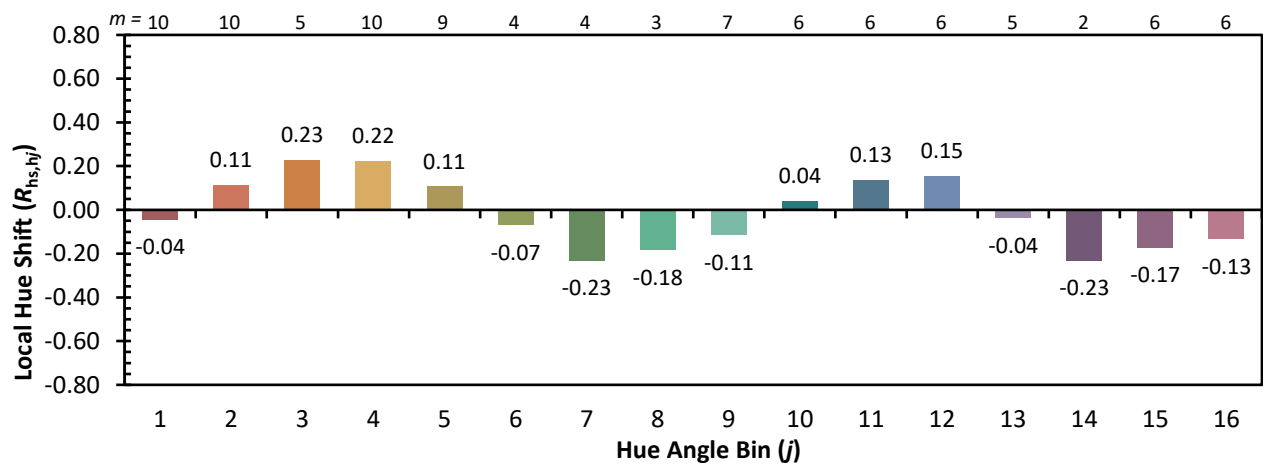
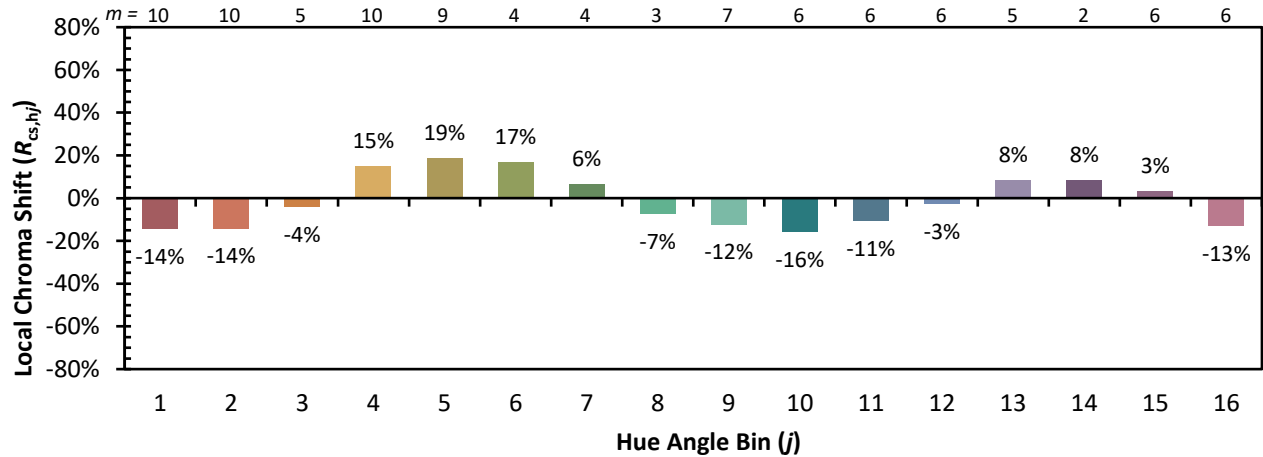


Individual Sample Fidelity Index ($R_{f,i}$)

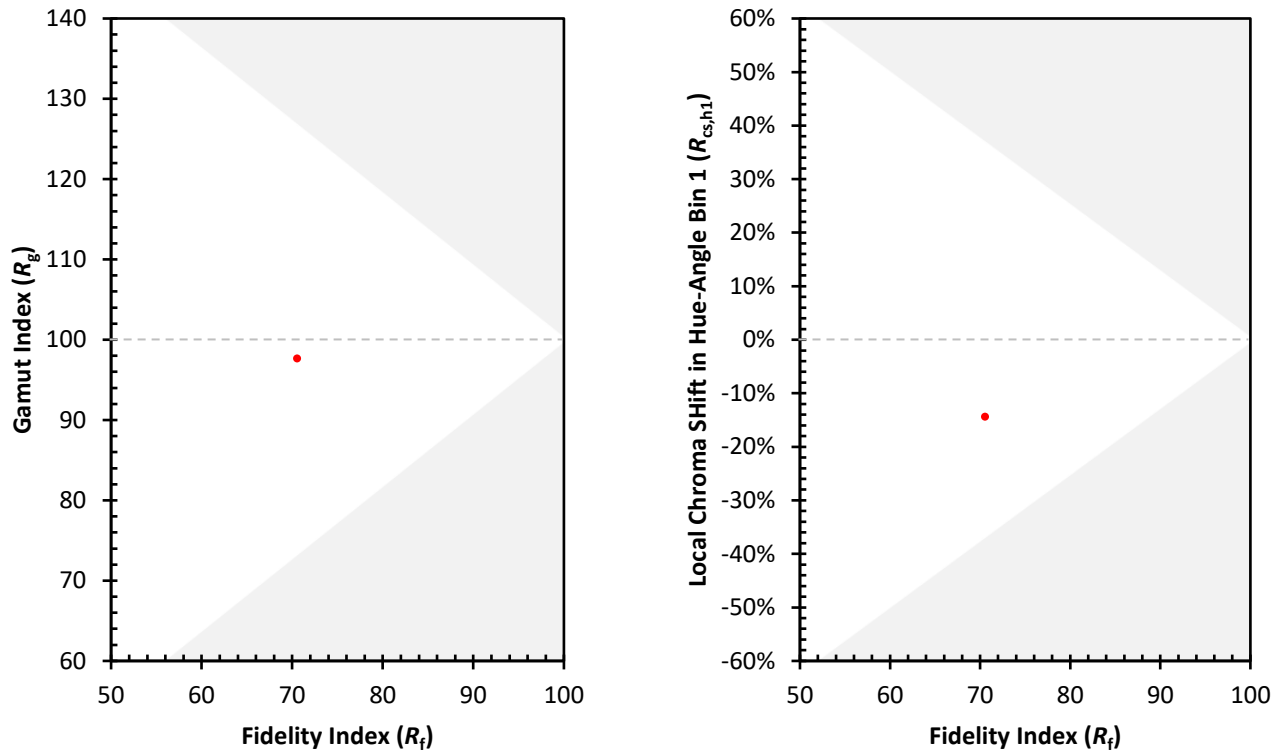
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)