

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: P1066938

Luminaire Tested: **NAV-SA2B-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066938
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2B-722-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 2xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (28) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6919.3 lumens
Efficiency: N/A
Efficacy: 95.0 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): 72.8
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

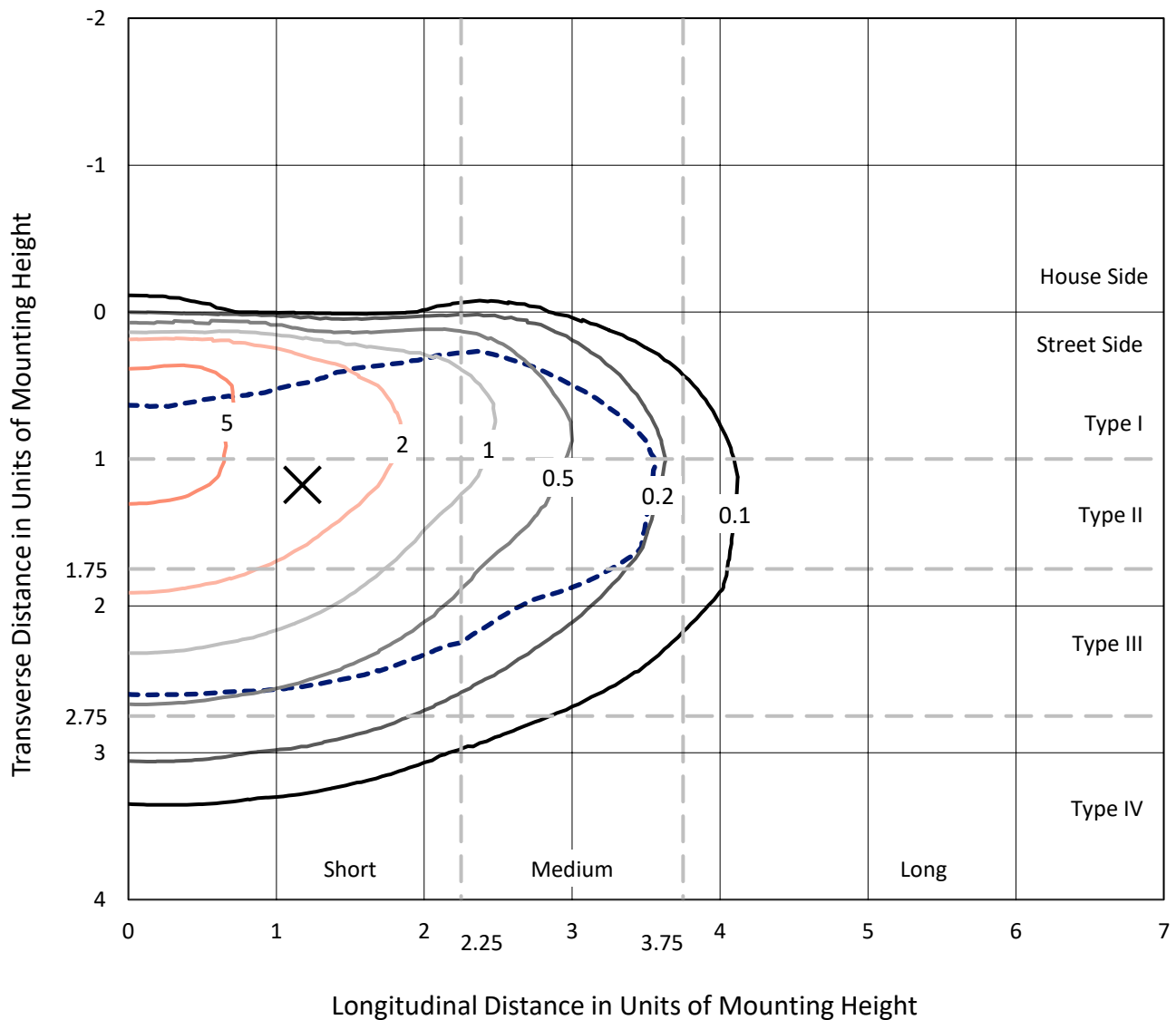


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

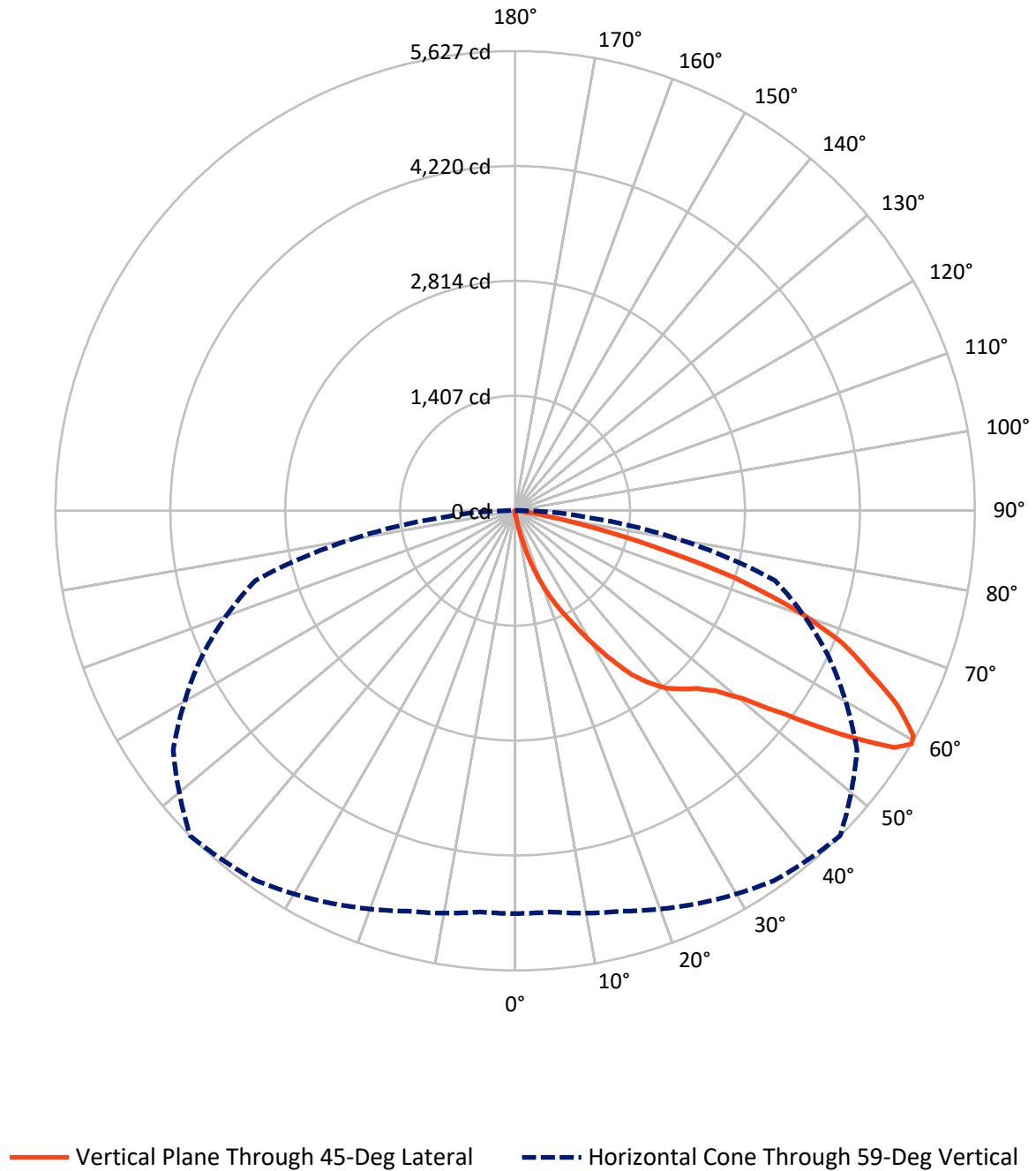


Based on 15 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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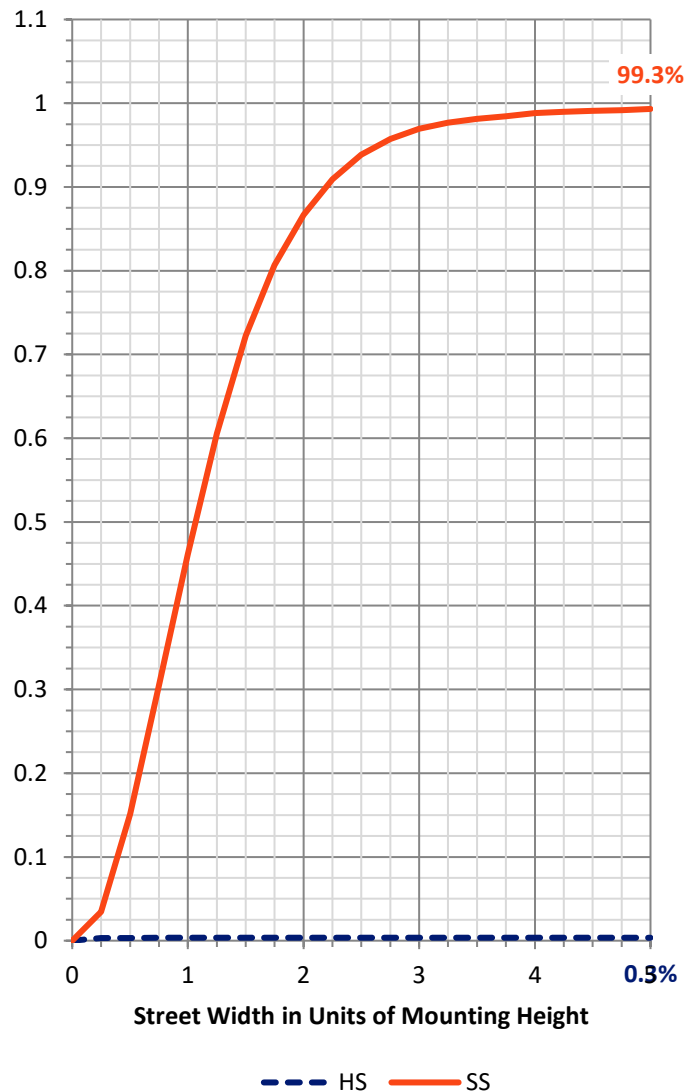
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24.6	0.0	24.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6894.7	0.0	6894.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	6919.3	0.0	6919.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	76.5	1.1
20°-30°	274.8	4.0
30°-40°	638.6	9.2
40°-50°	1088.4	15.7
50°-60°	1793.3	25.9
60°-70°	2073.5	30.0
70°-80°	890.8	12.9
80°-90°	77.0	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°	6919.3	100.0
0°-180°	6919.3	100.0



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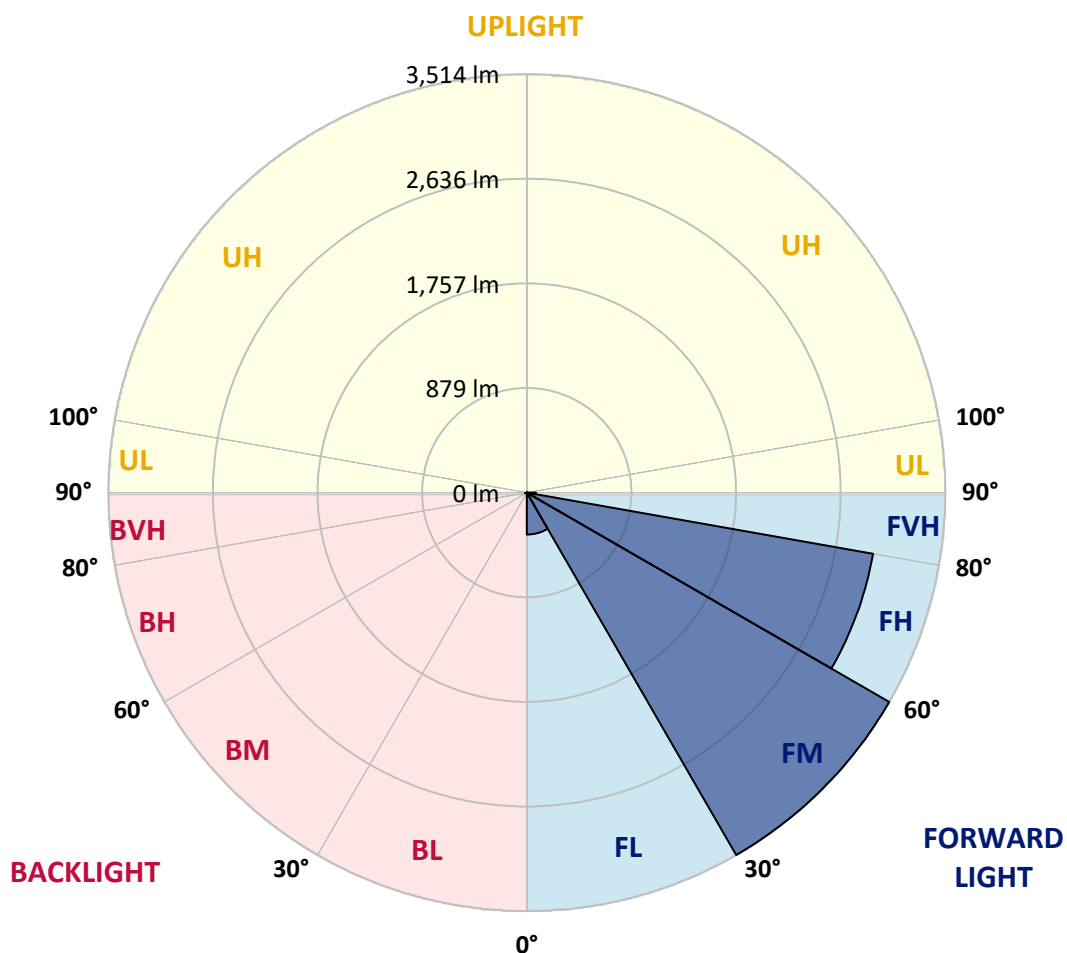
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	351.6	5.1			
FM	(30°-60°)	3514.3	50.8			
FH	(60°-80°)	2952.8	42.7			G2/5000
FVH	(80°-90°)	76.0	1.1			G1/100
BL	(0°-30°)	6.1	0.1	B0/110		
BM	(30°-60°)	5.9	0.1	B0/220		
BH	(60°-80°)	11.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	56.8	56.8	55.4	53.5	53.0	51.6	51.6	50.2	48.4	47.0	45.1
5°	82.4	81.9	78.2	73.5	67.5	63.7	63.7	58.6	54.0	49.8	46.1
7.5°	180.1	175.9	162.4	140.0	110.7	91.2	89.8	73.0	61.9	53.5	46.5
10°	413.1	398.7	379.6	326.1	241.0	168.4	165.2	106.5	74.0	57.7	47.5
12.5°	676.9	688.6	650.4	566.2	466.7	347.1	323.8	179.6	97.7	63.3	48.4
15°	917.0	914.2	892.8	824.0	709.1	549.9	535.5	312.2	140.0	72.1	49.3
17.5°	1096.6	1093.4	1072.9	1028.7	940.3	781.2	768.6	497.8	219.6	84.7	50.2
20°	1286.0	1281.8	1252.9	1217.6	1140.3	1005.0	990.1	705.3	343.8	105.1	50.2
22.5°	1513.0	1505.1	1474.4	1414.4	1333.0	1215.2	1201.8	917.5	497.8	138.6	52.6
25°	1787.5	1774.0	1731.7	1677.7	1579.5	1423.2	1408.8	1153.8	683.5	189.4	54.9
27.5°	2100.6	2103.0	2045.7	1954.5	1822.9	1663.3	1636.3	1365.5	875.6	261.9	57.7
30°	2472.4	2449.1	2368.6	2262.5	2134.6	1931.3	1905.2	1576.3	1091.5	368.9	62.3
32.5°	2820.4	2795.3	2686.9	2553.3	2416.1	2201.6	2180.2	1813.1	1287.8	495.5	70.7
35°	3119.1	3101.4	2949.7	2786.9	2665.0	2473.3	2466.8	2077.4	1518.6	631.8	80.0
37.5°	3381.9	3349.8	3154.9	2986.0	2862.3	2690.6	2676.6	2319.3	1741.0	790.0	94.0
40°	3606.2	3588.5	3350.8	3128.8	3028.4	2874.8	2857.1	2531.5	1970.8	973.8	111.2
42.5°	3846.3	3823.0	3592.2	3343.3	3158.2	2993.9	2982.3	2706.4	2175.5	1175.7	136.8
45°	4117.5	4074.2	3871.9	3648.5	3367.1	3117.2	3104.2	2862.3	2385.4	1392.5	168.0
47.5°	4407.4	4369.7	4205.9	4049.1	3725.3	3320.5	3292.6	2994.9	2593.8	1642.8	207.5
50°	4702.3	4703.3	4580.4	4505.1	4163.1	3650.9	3611.3	3189.8	2812.9	1910.8	266.1
52.5°	5045.7	5054.5	5052.7	4996.9	4731.7	4191.0	4138.0	3485.7	3067.4	2223.5	347.1
55°	5189.5	5205.3	5308.1	5431.9	5359.8	4875.9	4819.1	3996.1	3404.7	2571.9	467.1
57.5°	5071.8	5089.4	5231.3	5448.1	5613.8	5475.6	5469.1	4660.5	3849.1	2994.4	663.5
59°	4931.7	4929.4	5075.0	5304.9	5528.2	5618.0	5627.3	5109.9	4236.2	3290.8	832.8
60°	4838.7	4840.5	4937.3	5173.2	5410.5	5566.3	5602.6	5374.6	4462.3	3503.8	978.0
62.5°	4479.5	4500.9	4577.7	4796.8	5022.0	5196.0	5257.9	5610.5	5109.4	4007.3	1482.8
65°	4089.1	4090.5	4199.9	4387.4	4603.2	4725.6	4764.7	5243.4	5541.7	4520.0	2144.8
67.5°	3392.6	3421.0	3545.3	3849.1	4134.3	4289.2	4319.0	4564.2	5362.5	4854.0	2476.6
70°	2374.2	2411.4	2588.7	2982.8	3407.5	3662.0	3660.2	3794.2	4719.6	4705.1	2099.7
72.5°	1185.5	1249.7	1394.4	1816.4	2330.9	2730.6	2814.8	3052.1	3791.4	3908.2	1566.5
75°	523.9	527.6	610.0	822.6	1158.5	1666.1	1741.5	2422.6	2908.8	2716.2	1131.5
77.5°	304.7	307.5	322.4	369.4	469.4	816.5	901.2	1588.8	2055.5	1578.6	737.9
80°	110.7	113.5	113.1	140.0	205.6	321.5	358.2	770.0	1371.1	831.4	386.6
82.5°	67.9	67.9	65.6	66.1	74.9	123.3	134.9	328.0	667.6	409.4	110.7
85°	33.5	35.4	37.7	42.3	50.2	60.9	64.7	94.0	224.7	99.1	26.5
87.5°	20.0	20.5	22.3	27.0	33.5	43.7	46.5	63.7	80.5	66.5	6.5
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°	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
2.5°	44.2	43.7	41.4	39.5	37.7	35.8	34.4	33.0	33.0	33.5	33.0
5°	44.2	42.3	38.6	35.4	32.6	30.2	27.9	26.1	25.6	25.6	26.1
7.5°	43.7	41.4	36.3	32.1	28.4	25.1	22.8	20.5	20.0	20.5	20.0
10°	43.3	40.5	34.4	29.3	24.2	20.9	17.7	15.4	15.4	15.4	15.8
12.5°	43.3	39.1	32.6	26.5	20.9	17.2	14.0	11.6	11.2	11.2	11.2
15°	42.8	38.2	30.7	23.3	17.7	13.0	10.2	7.9	7.9	7.9	7.9
17.5°	41.9	36.8	28.4	20.5	14.0	9.8	7.0	4.7	4.7	5.6	5.6
20°	40.9	35.4	25.6	16.7	11.6	7.4	4.7	2.8	2.8	4.2	4.7
22.5°	41.4	35.4	23.7	14.9	9.3	5.6	3.7	2.3	1.9	3.3	4.2
25°	41.9	34.4	21.4	13.0	7.0	4.2	2.8	0.9	0.5	0.9	1.4
27.5°	41.9	33.5	18.6	10.2	5.1	3.3	1.4	0.0	0.0	0.0	0.0
30°	41.4	32.1	16.3	8.4	3.7	1.9	0.5	0.0	0.0	0.0	0.0
32.5°	40.9	30.7	14.9	6.5	3.3	0.9	0.0	0.0	0.0	0.0	0.0
35°	41.4	28.8	13.0	5.1	1.9	0.0	0.0	0.0	0.0	0.0	0.9
37.5°	42.8	27.0	11.2	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	44.7	25.6	9.3	3.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	48.4	25.6	8.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	53.0	25.6	7.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	59.1	26.1	6.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	66.5	27.0	5.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	72.1	26.1	5.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	81.9	25.1	4.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	94.9	23.7	4.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	107.9	21.9	4.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	122.8	20.9	4.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	202.9	18.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	391.7	17.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	633.2	17.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	665.8	17.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	442.9	14.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	237.3	13.0	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	127.9	12.1	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	56.3	8.8	2.3	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	22.3	6.0	2.8	2.3	1.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	10.7	4.7	3.7	3.3	2.3	1.4	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	4.7	4.2	3.7	3.3	2.3	0.5	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: SP1-2407-184-2

Test Date: 10/09/2024

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

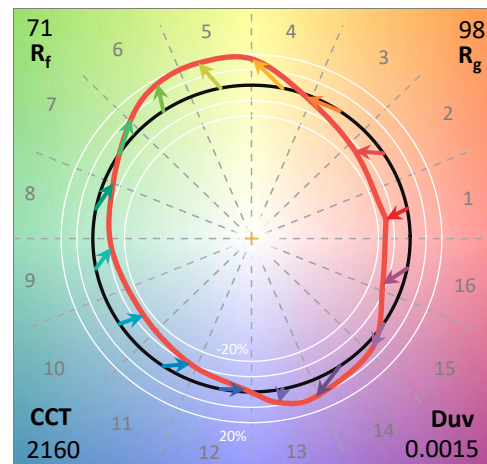
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

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

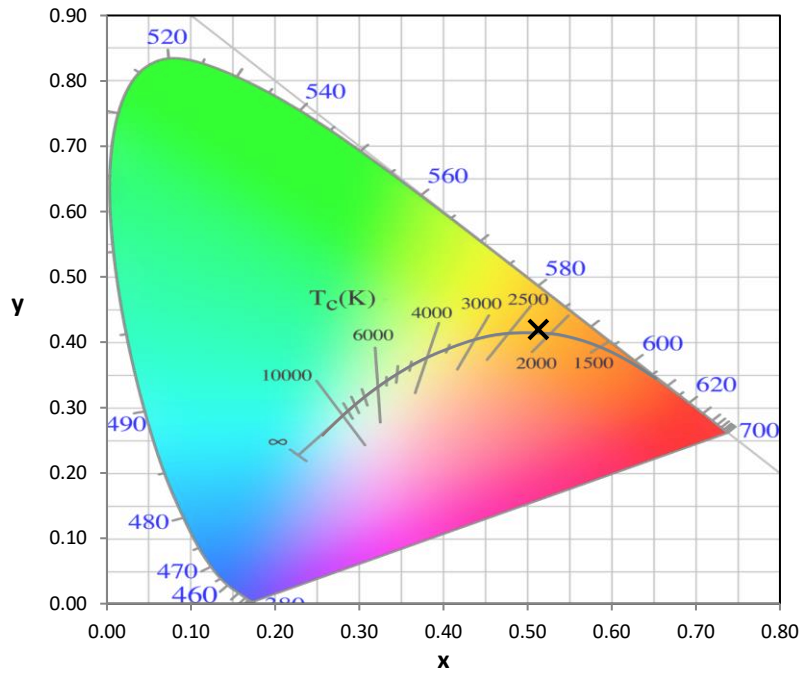
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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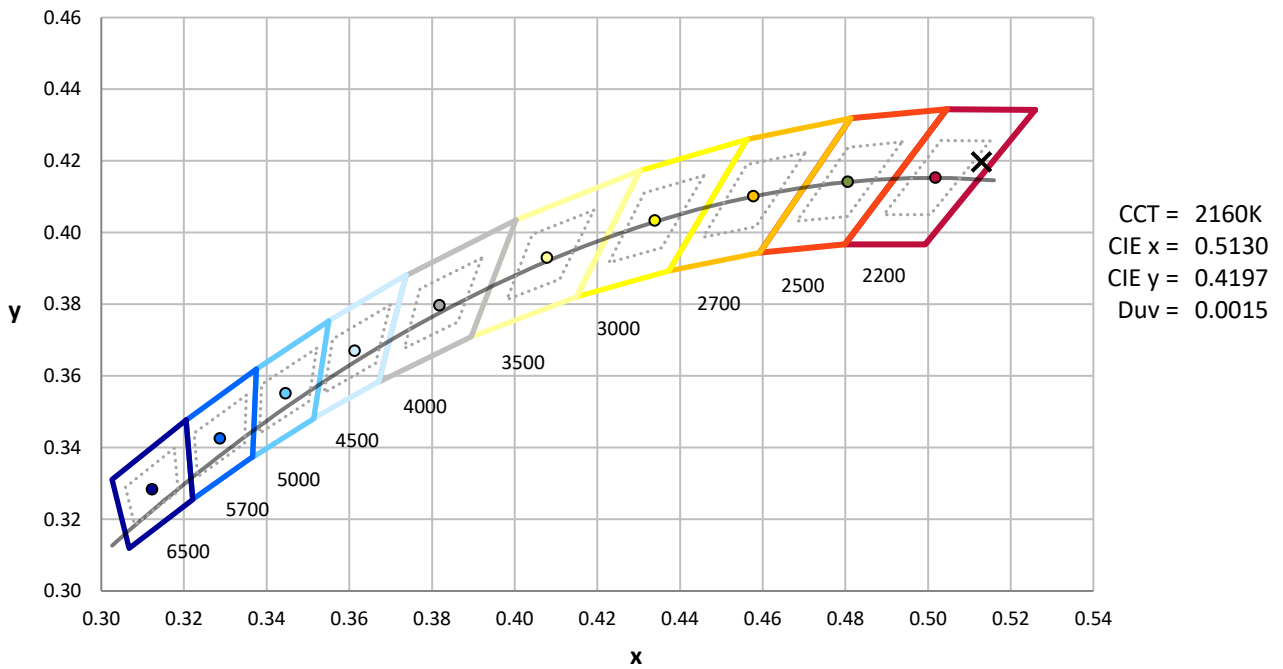
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



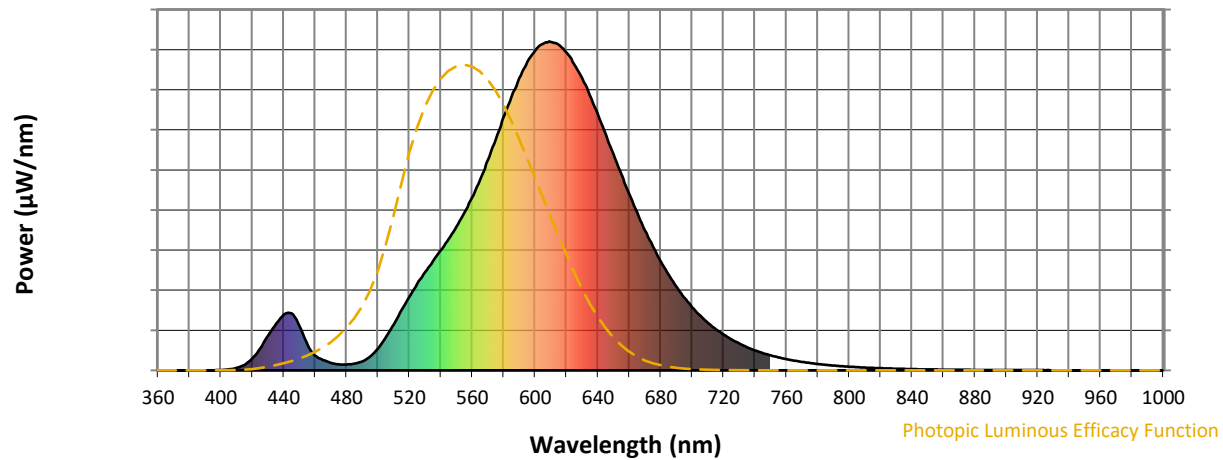
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

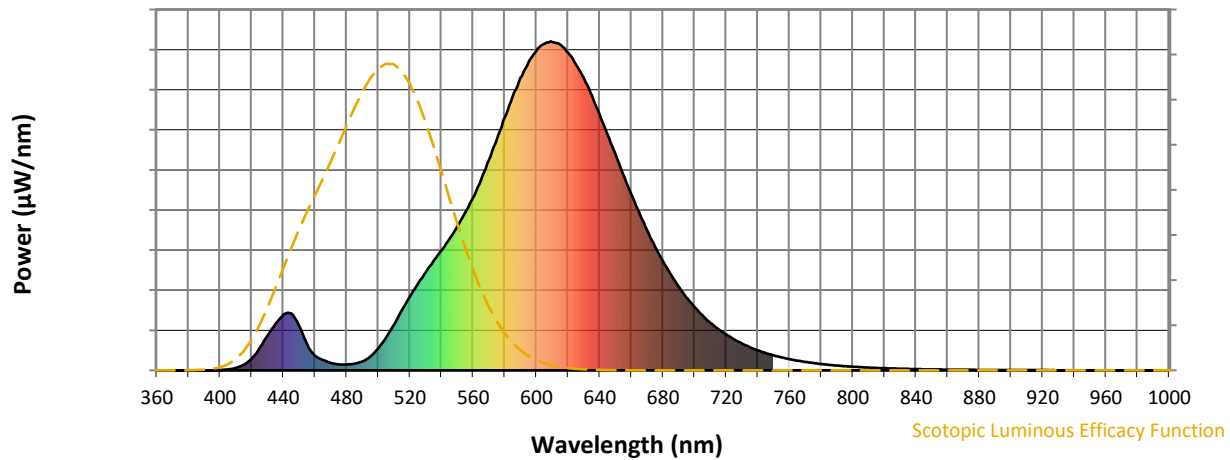


Photopic Lumens: NR

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



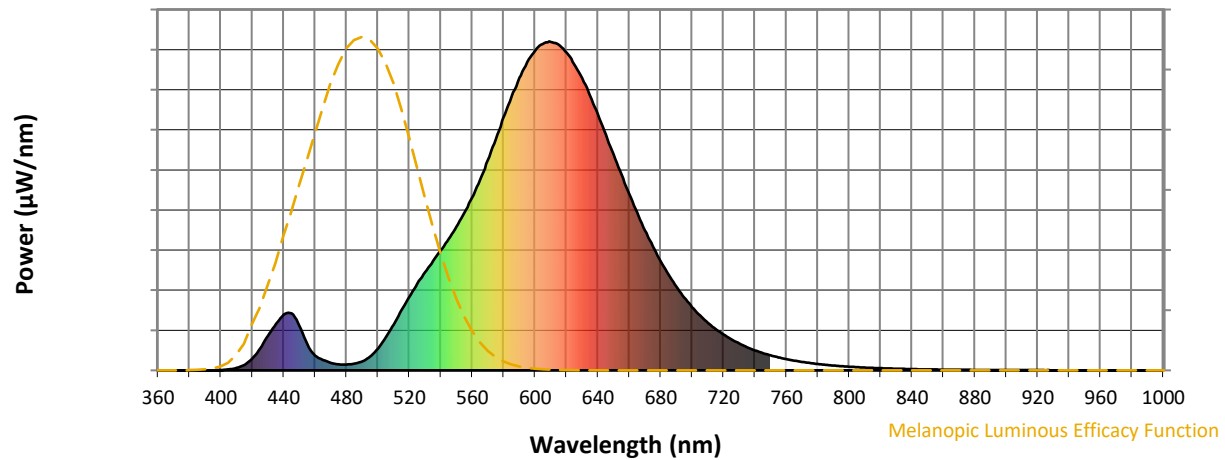
Scotopic Lumens: NR

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

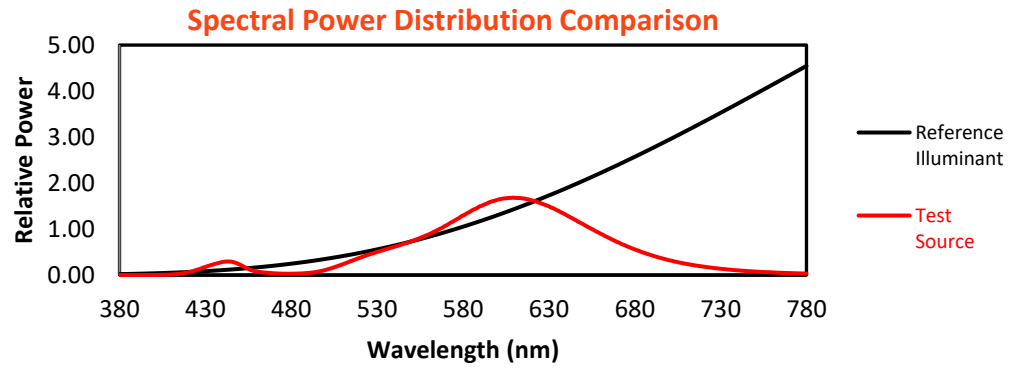
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	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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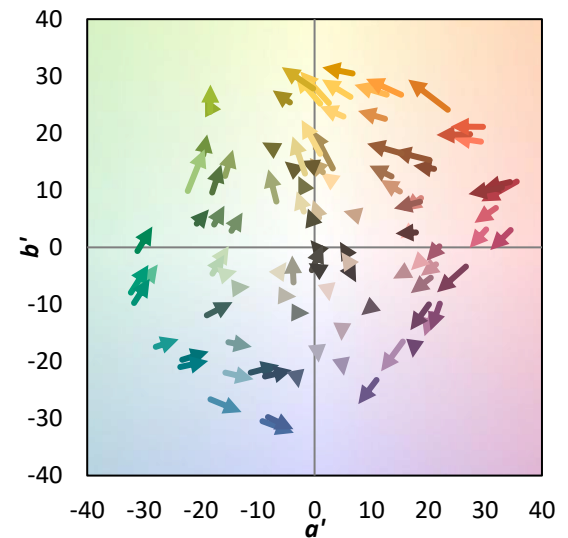
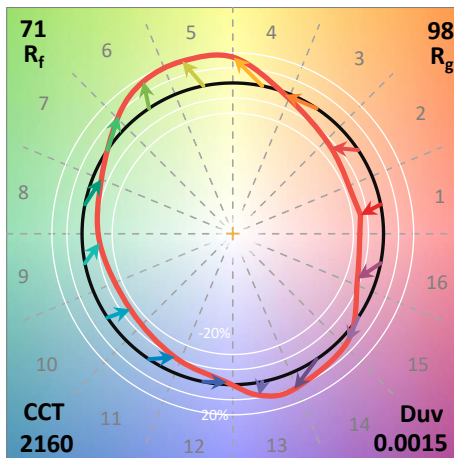
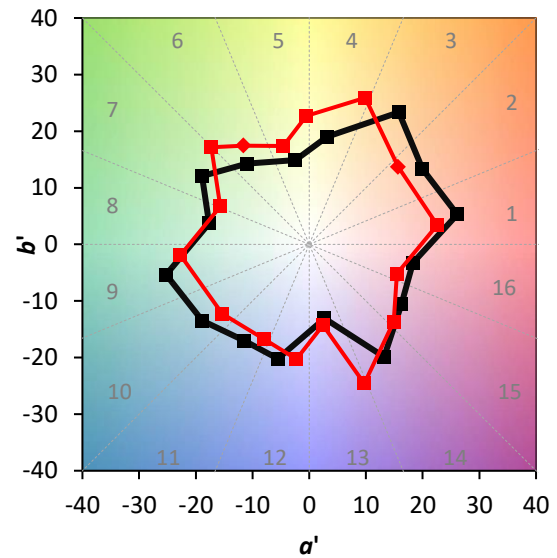
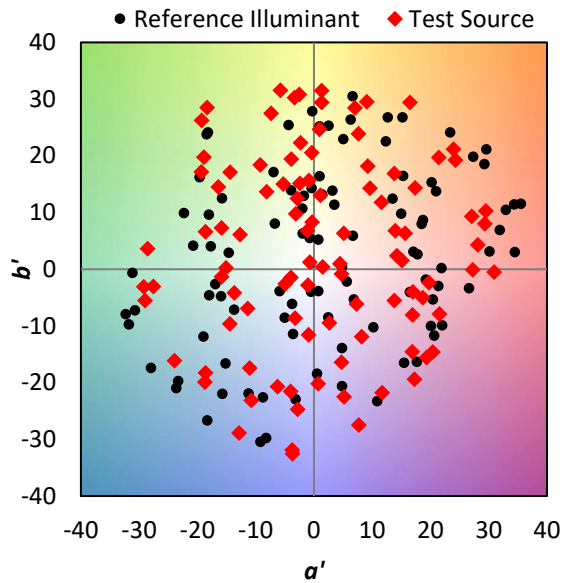
TM-30-18

Summary

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

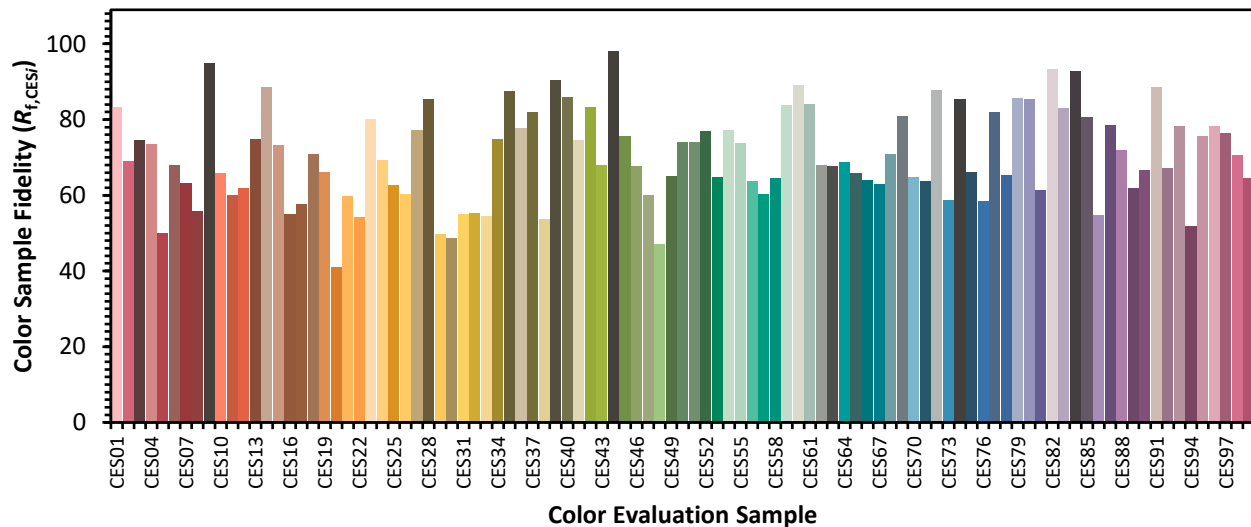


Color Vector Graphics

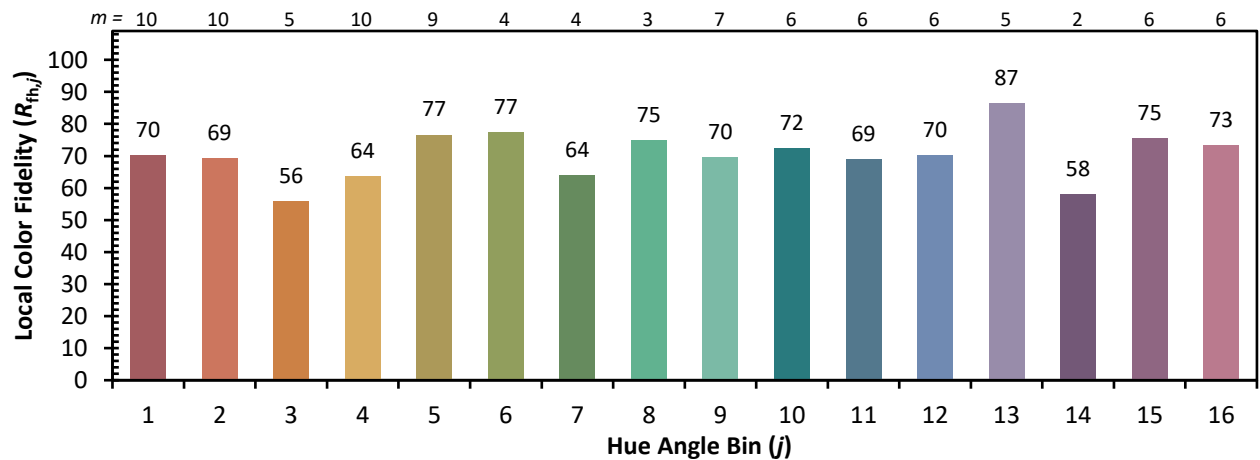
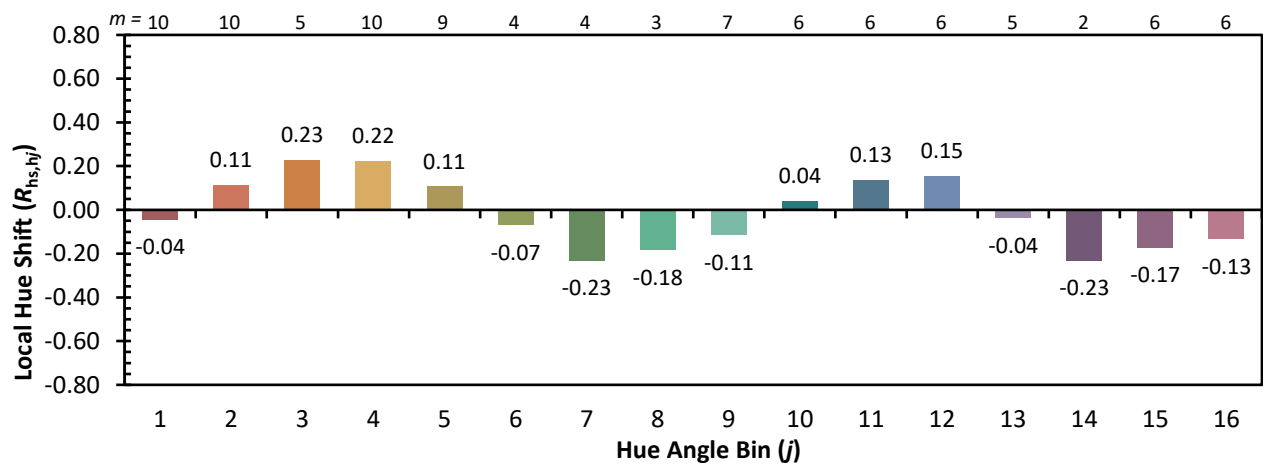
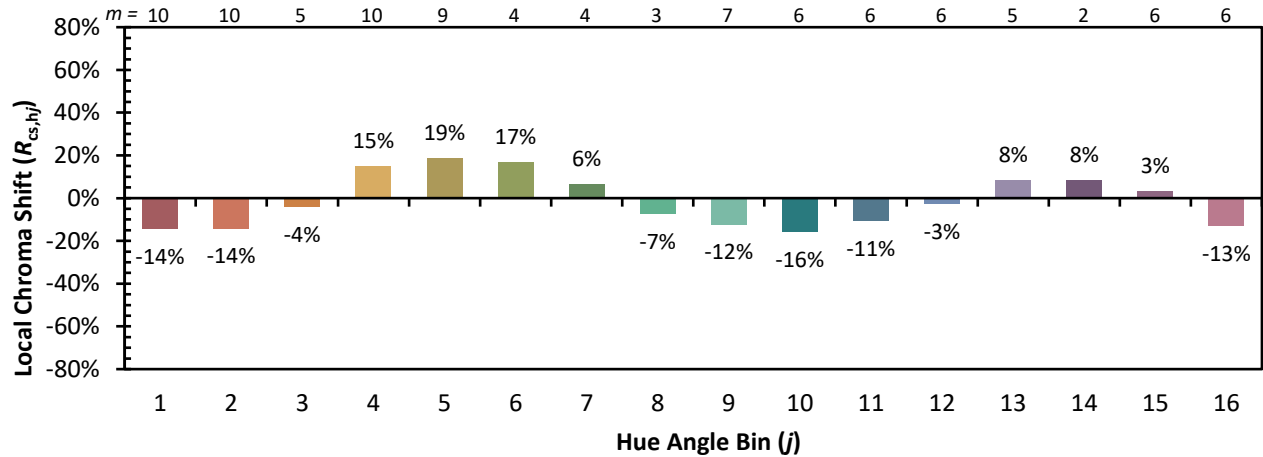


Individual Sample Fidelity Index ($R_{f,i}$)

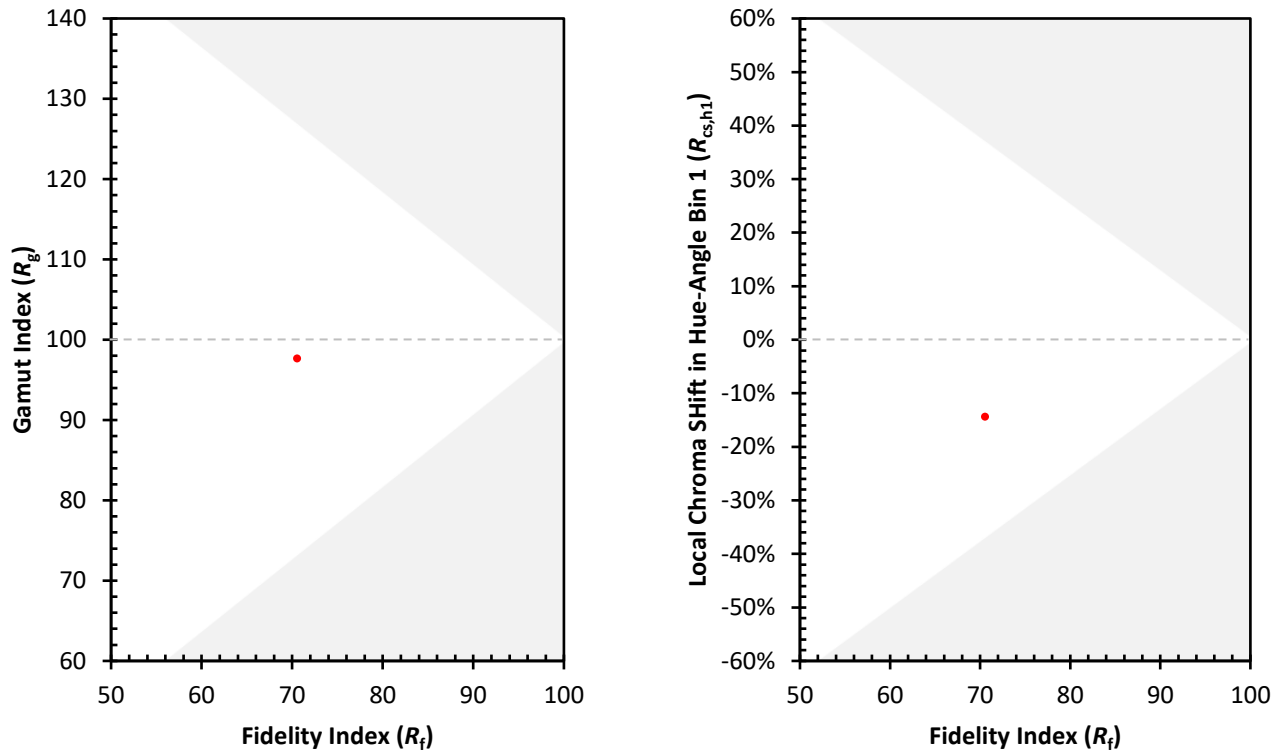
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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)