

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: P1066955

Luminaire Tested: **NAV-SA6C-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066955
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-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (84) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25438.4 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - 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

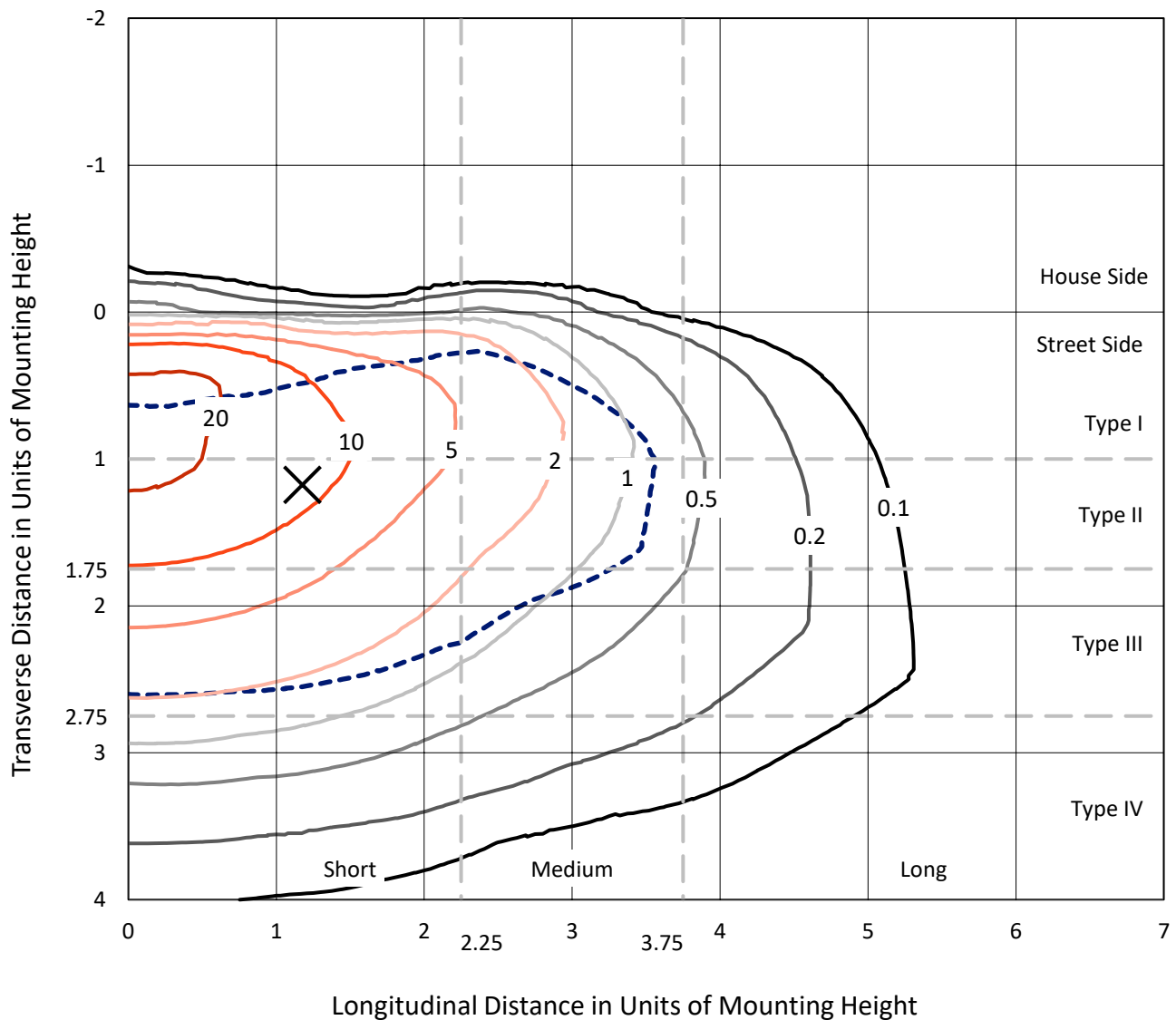


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

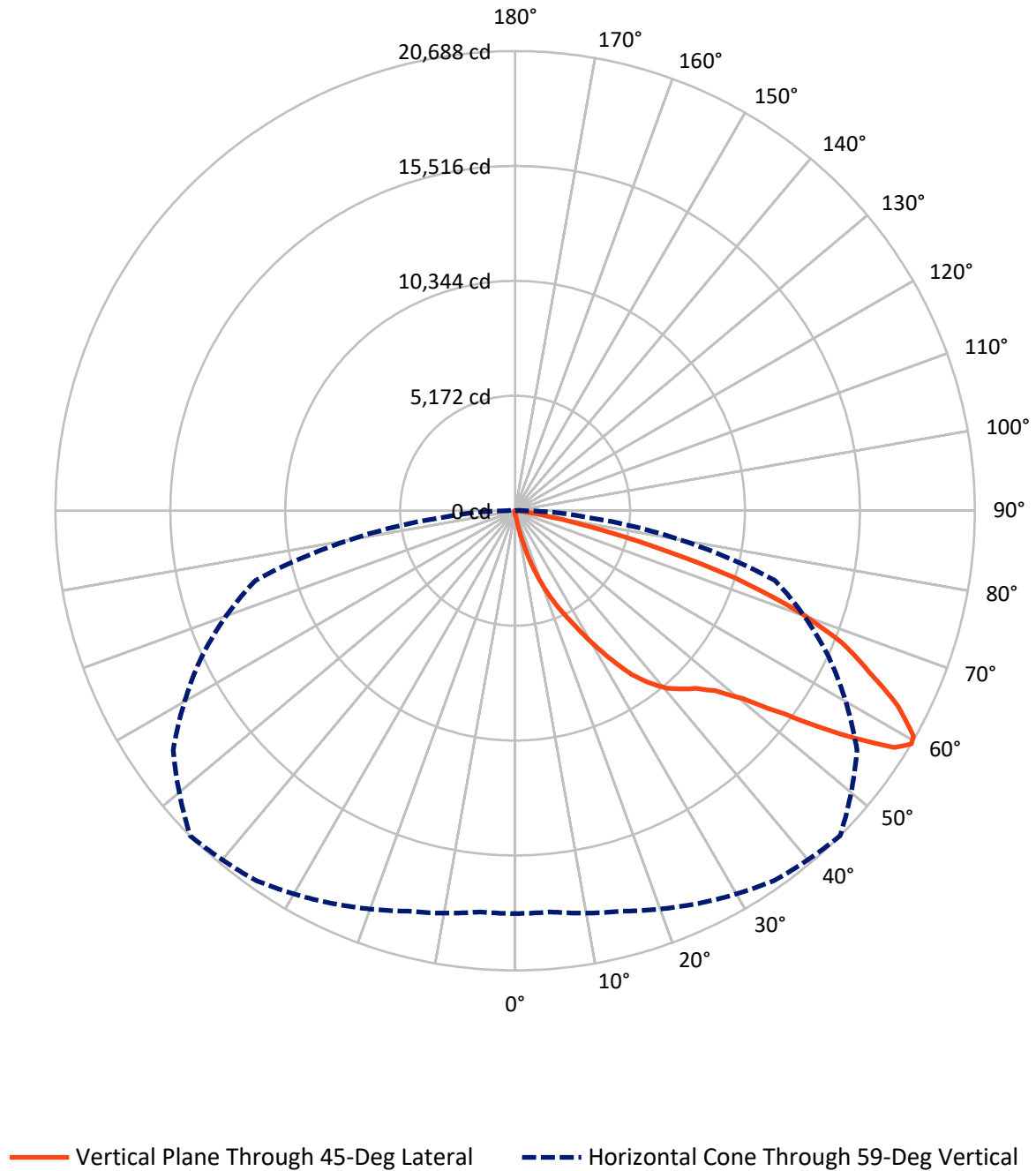


Based on 15 foot mounting height. Maximum calculated value = 27.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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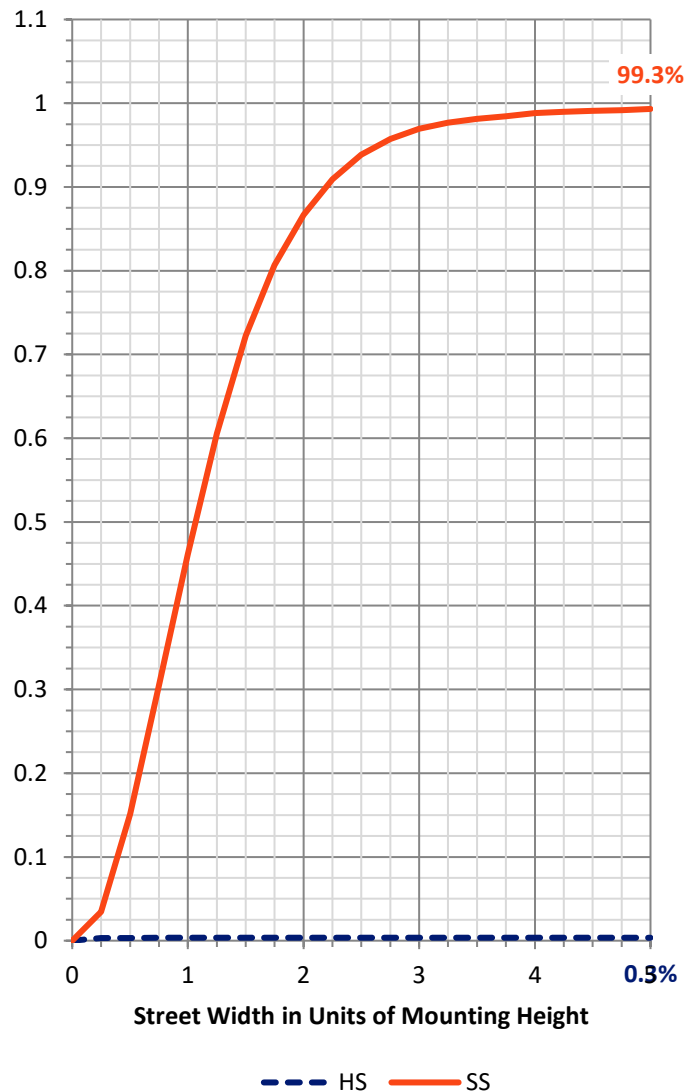
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	90.3	0.0	90.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	25348.1	0.0	25348.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	25438.4	0.0	25438.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.1
10°-20°	281.2	1.1
20°-30°	1010.3	4.0
30°-40°	2347.6	9.2
40°-50°	4001.3	15.7
50°-60°	6593.1	25.9
60°-70°	7623.1	30.0
70°-80°	3275.1	12.9
80°-90°	283.0	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°	25438.4	100.0
0°-180°	25438.4	100.0



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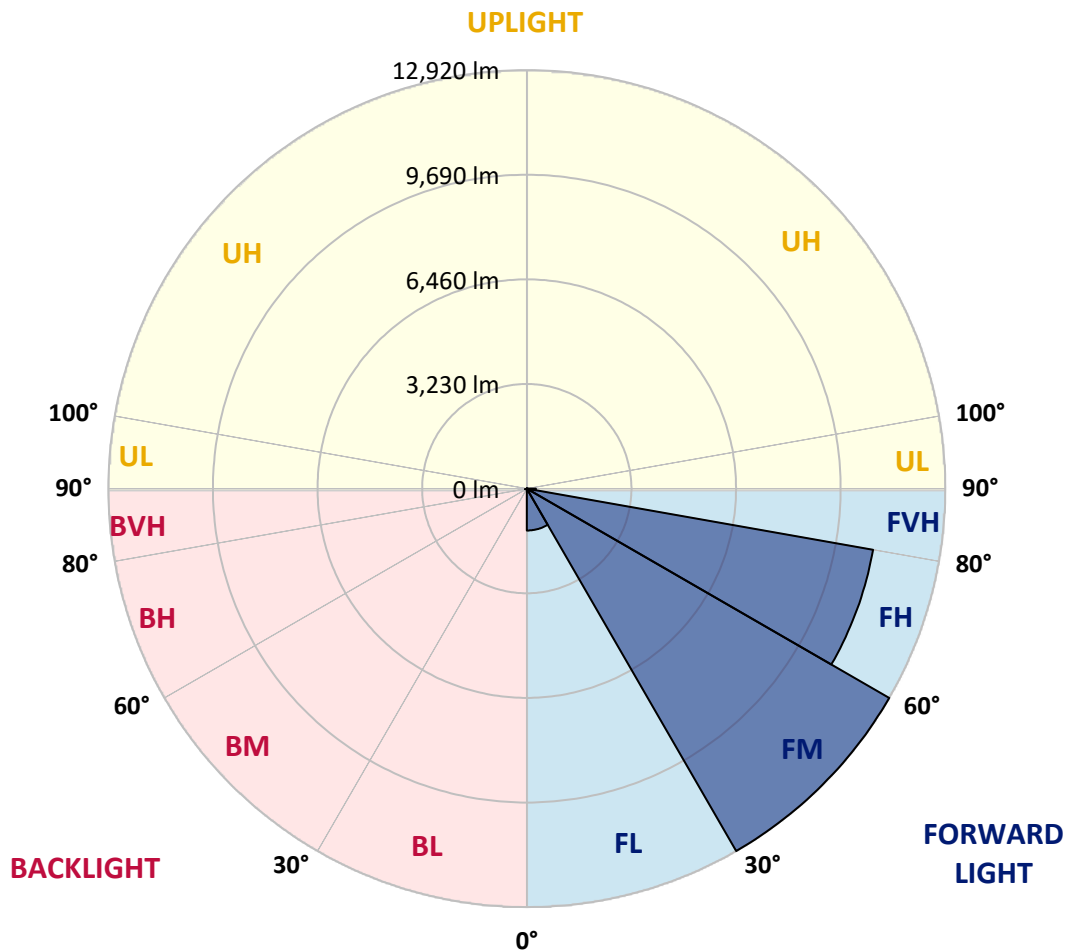
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1292.8	5.1			
FM	(30°-60°)	12920.2	50.8			
FH	(60°-80°)	10855.8	42.7			G4/12000
FVH	(80°-90°)	279.3	1.1			G3/500
BL	(0°-30°)	22.3	0.1	B0/110		
BM	(30°-60°)	21.8	0.1	B0/220		
BH	(60°-80°)	42.5	0.2	B0/110		G0/110
BVH	(80°-90°)	3.7	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8
2.5°	208.7	208.7	203.5	196.7	195.0	189.9	189.9	184.7	177.9	172.8	165.9
5°	302.8	301.0	287.4	270.3	248.0	234.3	234.3	215.5	198.4	183.0	169.3
7.5°	662.0	646.6	597.0	514.9	407.1	335.3	330.1	268.5	227.5	196.7	171.0
10°	1518.9	1465.9	1395.8	1199.1	886.0	619.2	607.2	391.7	272.0	212.1	174.5
12.5°	2488.8	2531.5	2391.3	2081.7	1715.6	1276.0	1190.5	660.2	359.2	232.6	177.9
15°	3371.4	3361.1	3282.4	3029.3	2606.8	2021.8	1968.8	1147.7	514.9	265.1	181.3
17.5°	4031.6	4019.6	3944.4	3781.9	3456.9	2871.9	2825.7	1830.2	807.3	311.3	184.7
20°	4727.8	4712.4	4606.3	4476.3	4192.4	3694.7	3639.9	2593.1	1264.0	386.6	184.7
22.5°	5562.5	5533.4	5420.5	5199.9	4900.5	4467.8	4418.2	3373.1	1830.2	509.7	193.3
25°	6571.7	6522.1	6366.4	6168.0	5807.1	5232.4	5179.4	4242.0	2512.7	696.2	201.8
27.5°	7722.8	7731.4	7521.0	7185.8	6701.7	6115.0	6015.8	5020.3	3219.1	963.0	212.1
30°	9089.5	9004.0	8708.1	8318.1	7847.7	7100.2	7004.4	5795.1	4012.8	1356.4	229.2
32.5°	10369.0	10276.6	9878.1	9387.1	8882.6	8094.0	8015.3	6665.8	4734.6	1821.7	260.0
35°	11467.1	11402.1	10844.5	10245.8	9797.7	9092.9	9069.0	7637.3	5583.0	2322.8	294.2
37.5°	12433.5	12315.5	11598.8	10977.9	10522.9	9891.7	9840.4	8526.8	6400.6	2904.4	345.5
40°	13258.0	13193.0	12318.9	11503.0	11133.6	10569.1	10504.1	9306.8	7245.6	3580.0	408.8
42.5°	14140.6	14055.1	13206.7	12291.6	11610.8	11007.0	10964.2	9949.9	7998.2	4322.4	502.9
45°	15137.8	14978.7	14234.7	13413.6	12378.8	11460.3	11412.4	10522.9	8769.7	5119.5	617.5
47.5°	16203.4	16064.9	15462.8	14886.4	13695.9	12207.7	12105.1	11010.4	9536.0	6039.7	762.9
50°	17287.9	17291.3	16839.7	16562.6	15305.4	13422.2	13276.8	11727.1	10341.6	7025.0	978.4
52.5°	18550.2	18582.7	18575.9	18370.6	17395.6	15408.1	15213.1	12815.0	11277.2	8174.4	1276.0
55°	19078.8	19136.9	19514.9	19969.9	19704.8	17925.9	17717.2	14691.4	12517.3	9455.6	1717.3
57.5°	18646.0	18711.0	19232.7	20029.8	20638.7	20130.7	20106.8	17133.9	14150.9	11008.7	2439.2
59°	18131.2	18122.6	18658.0	19503.0	20324.0	20654.1	20688.3	18786.3	15574.0	12098.3	3061.8
60°	17789.1	17795.9	18151.7	19018.9	19891.2	20464.3	20597.7	19759.5	16405.3	12881.7	3595.4
62.5°	16468.6	16547.2	16829.5	17635.1	18463.0	19102.7	19330.2	20626.8	18784.6	14732.4	5451.3
65°	15033.5	15038.6	15440.6	16129.9	16923.5	17373.4	17517.1	19277.2	20373.6	16617.4	7885.3
67.5°	12472.9	12577.2	13033.9	14150.9	15199.4	15769.0	15878.4	16779.9	19715.1	17845.5	9104.9
70°	8728.6	8865.4	9517.1	10965.9	12527.6	13463.2	13456.4	13949.0	17351.2	17298.1	7719.4
72.5°	4358.3	4594.4	5126.3	6677.7	8569.5	10038.8	10348.4	11220.8	13938.8	14368.1	5759.2
75°	1926.0	1939.7	2242.4	3024.1	4259.1	6125.3	6402.3	8906.5	10694.0	9985.8	4159.9
77.5°	1120.4	1130.6	1185.4	1358.1	1725.9	3001.9	3313.2	5841.3	7556.9	5803.7	2712.8
80°	407.1	417.4	415.6	514.9	756.0	1181.9	1317.1	2830.9	5040.8	3056.6	1421.4
82.5°	249.7	249.7	241.2	242.9	275.4	453.3	496.0	1205.9	2454.5	1505.2	407.1
85°	123.2	130.0	138.5	155.7	184.7	224.1	237.8	345.5	826.2	364.3	97.5
87.5°	73.6	75.3	82.1	99.2	123.2	160.8	171.0	234.3	295.9	244.6	23.9
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°	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8
2.5°	162.5	160.8	152.2	145.4	138.5	131.7	126.6	121.4	121.4	123.2	121.4
5°	162.5	155.7	142.0	130.0	119.7	111.2	102.6	95.8	94.1	94.1	95.8
7.5°	160.8	152.2	133.4	118.0	104.3	92.4	83.8	75.3	73.6	75.3	73.6
10°	159.1	148.8	126.6	107.8	88.9	77.0	65.0	56.4	56.4	56.4	58.2
12.5°	159.1	143.7	119.7	97.5	77.0	63.3	51.3	42.8	41.1	41.1	41.1
15°	157.4	140.3	112.9	85.5	65.0	47.9	37.6	29.1	29.1	29.1	29.1
17.5°	153.9	135.1	104.3	75.3	51.3	35.9	25.7	17.1	17.1	20.5	20.5
20°	150.5	130.0	94.1	61.6	42.8	27.4	17.1	10.3	10.3	15.4	17.1
22.5°	152.2	130.0	87.2	54.7	34.2	20.5	13.7	8.6	6.8	12.0	15.4
25°	153.9	126.6	78.7	47.9	25.7	15.4	10.3	3.4	1.7	3.4	5.1
27.5°	153.9	123.2	68.4	37.6	18.8	12.0	5.1	0.0	0.0	0.0	0.0
30°	152.2	118.0	59.9	30.8	13.7	6.8	1.7	0.0	0.0	0.0	0.0
32.5°	150.5	112.9	54.7	23.9	12.0	3.4	0.0	0.0	0.0	0.0	0.0
35°	152.2	106.1	47.9	18.8	6.8	0.0	0.0	0.0	0.0	0.0	3.4
37.5°	157.4	99.2	41.1	15.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	164.2	94.1	34.2	12.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	177.9	94.1	30.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	195.0	94.1	25.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	217.2	95.8	22.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	244.6	99.2	20.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	265.1	95.8	18.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	301.0	92.4	17.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	348.9	87.2	17.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	396.8	80.4	17.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	451.6	77.0	15.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	745.8	68.4	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1440.2	65.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2328.0	65.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2447.7	65.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1628.4	53.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	872.3	47.9	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	470.4	44.5	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	207.0	32.5	8.6	5.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	82.1	22.2	10.3	8.6	6.8	3.4	0.0	0.0	0.0	0.0	0.0
85°	39.3	17.1	13.7	12.0	8.6	5.1	0.0	0.0	0.0	0.0	0.0
87.5°	18.8	17.1	15.4	13.7	12.0	8.6	1.7	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

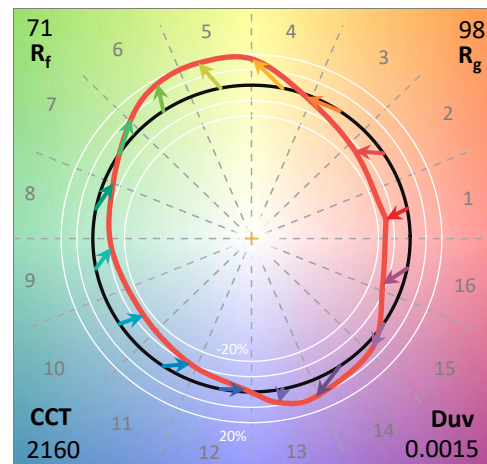
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

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

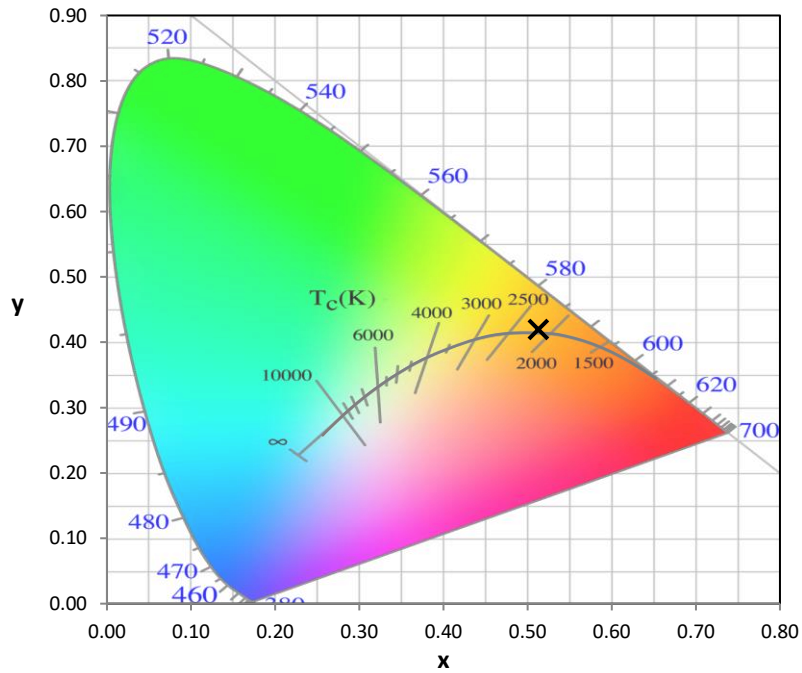
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

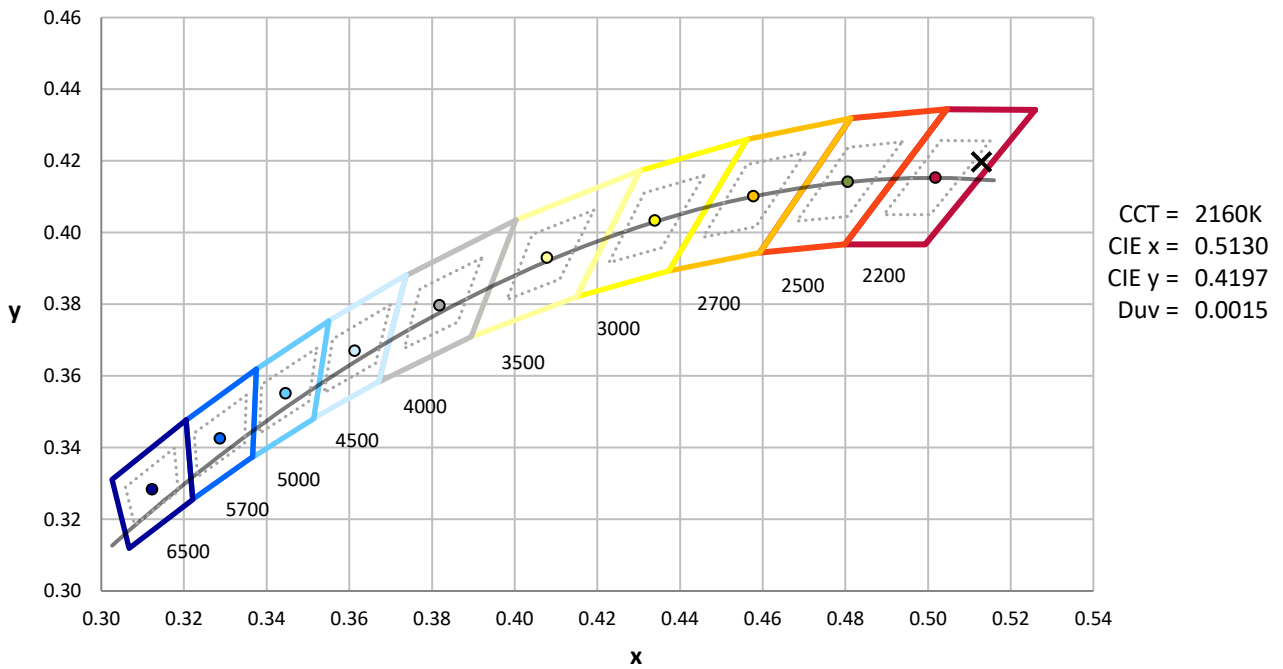
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



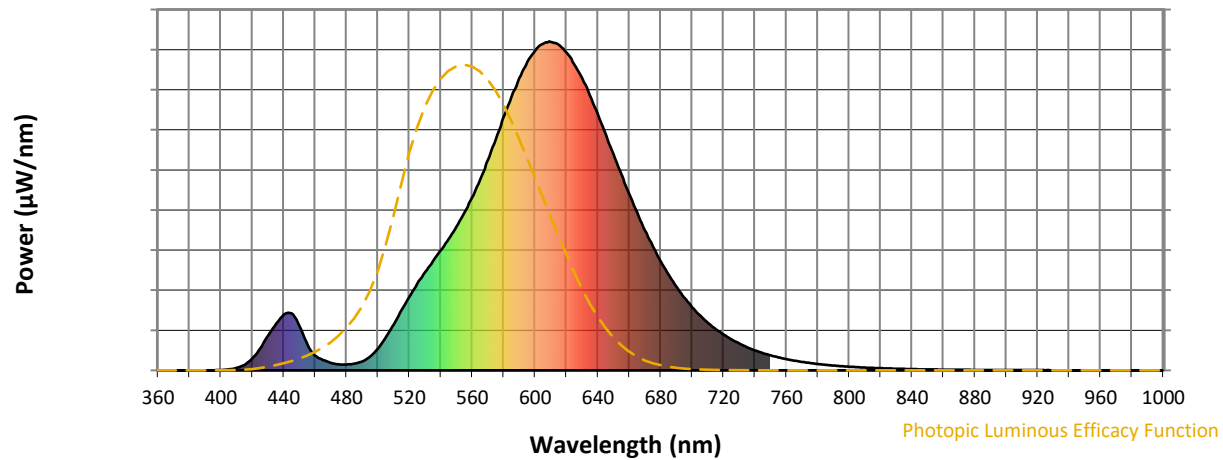
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

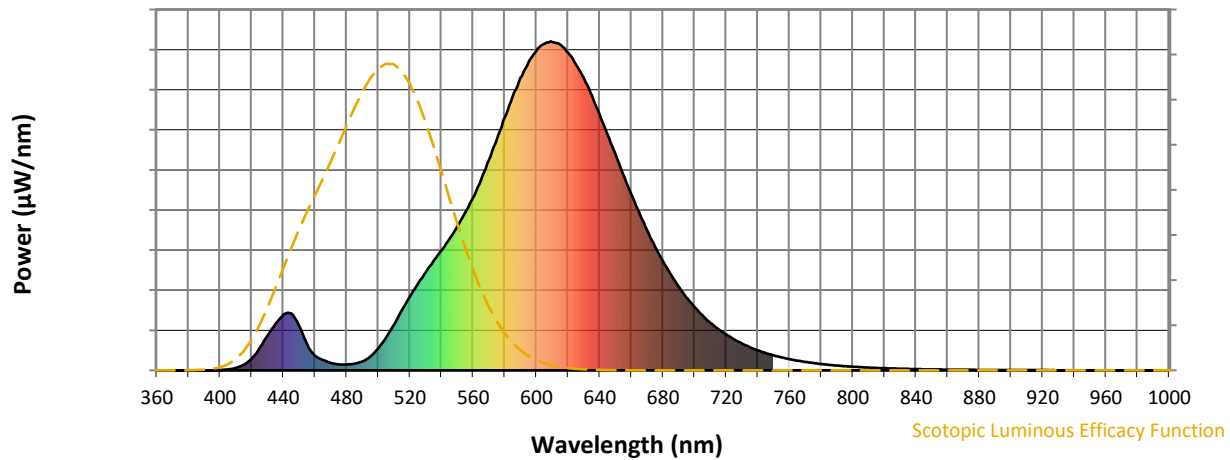


Photopic Lumens: NR

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



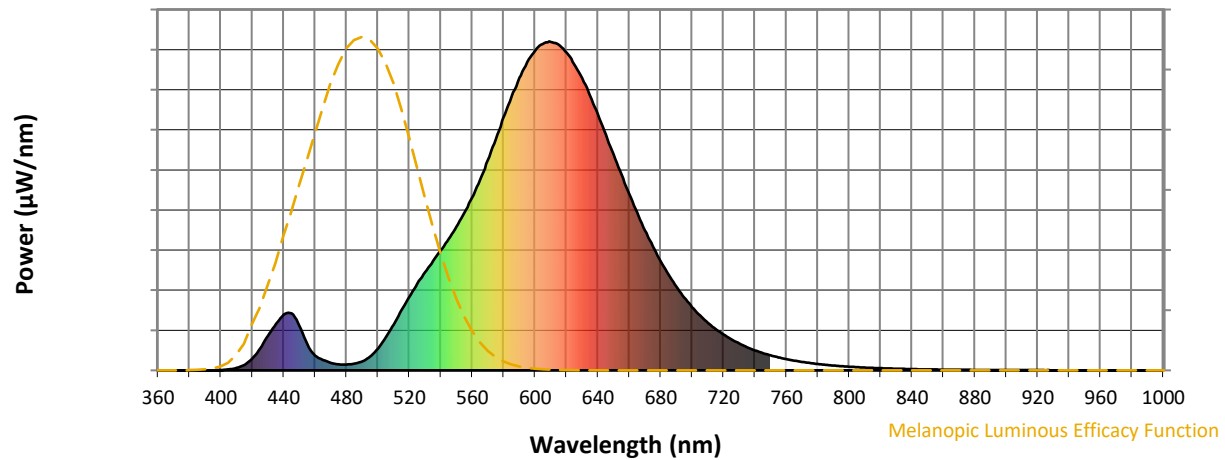
Scotopic Lumens: NR

S/P: 0.8

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.21

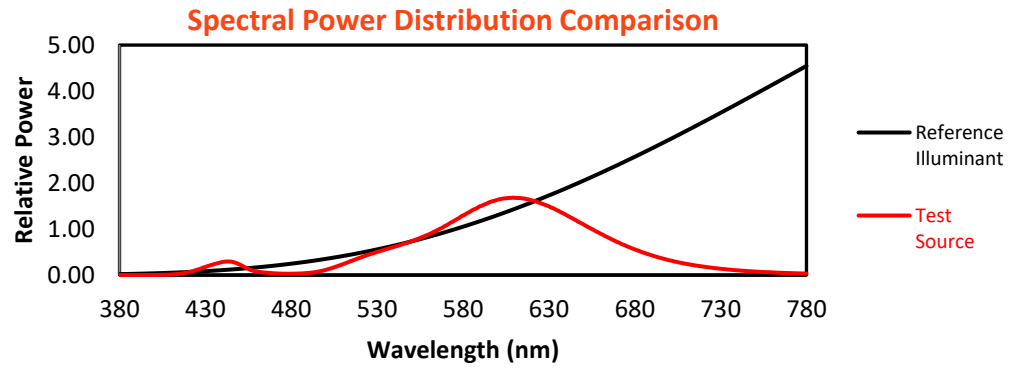
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	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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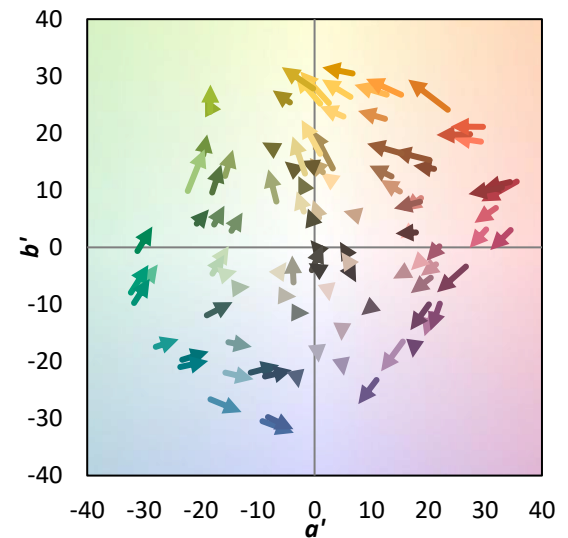
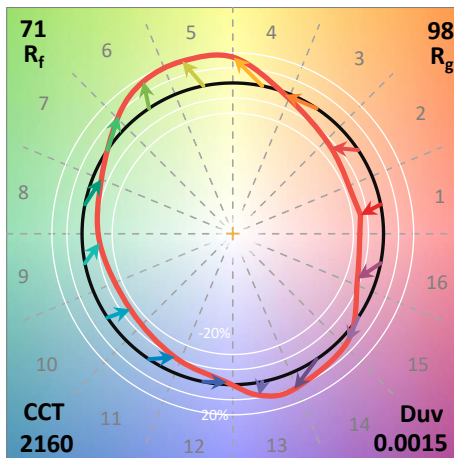
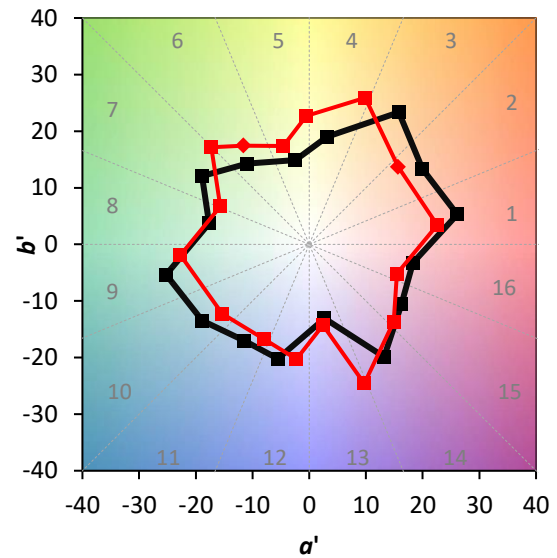
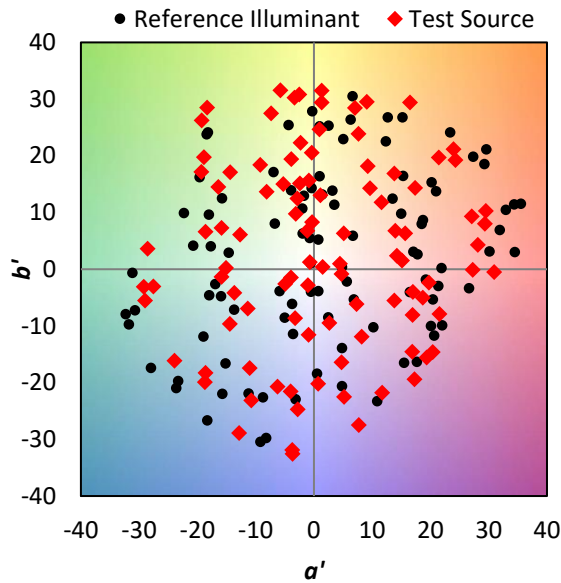
TM-30-18

Summary

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

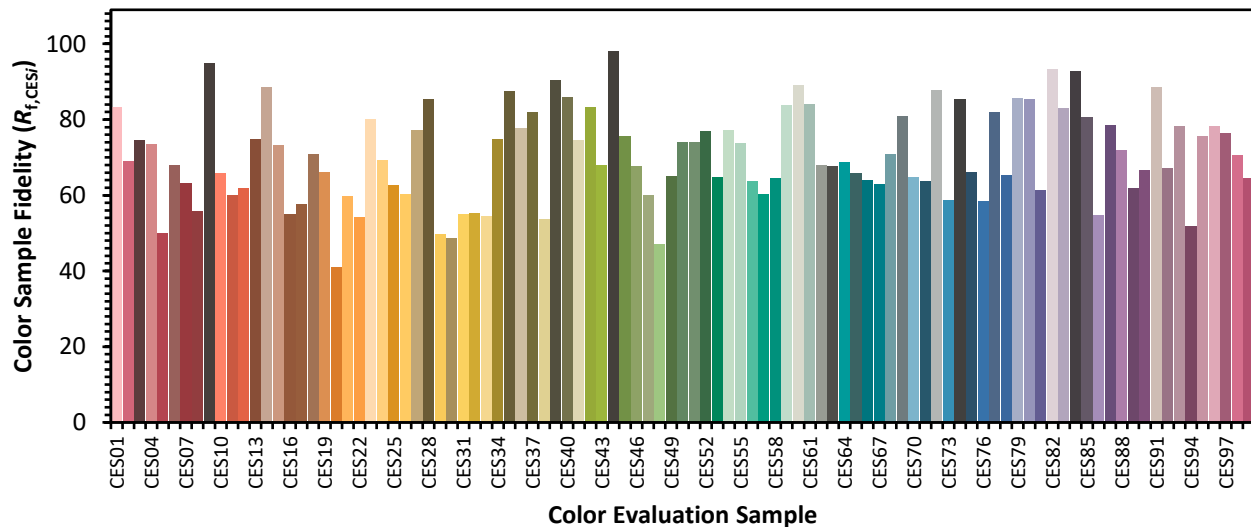


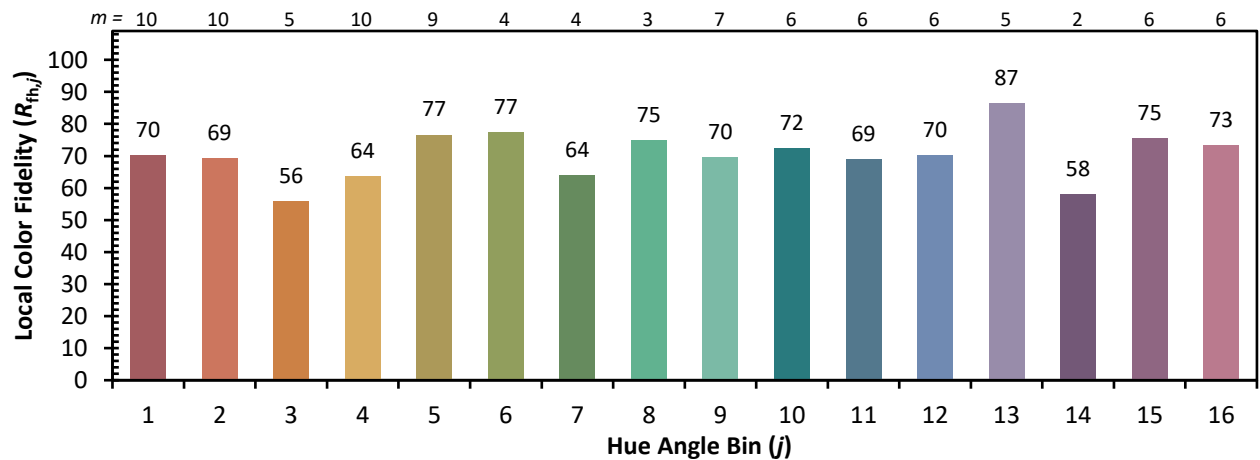
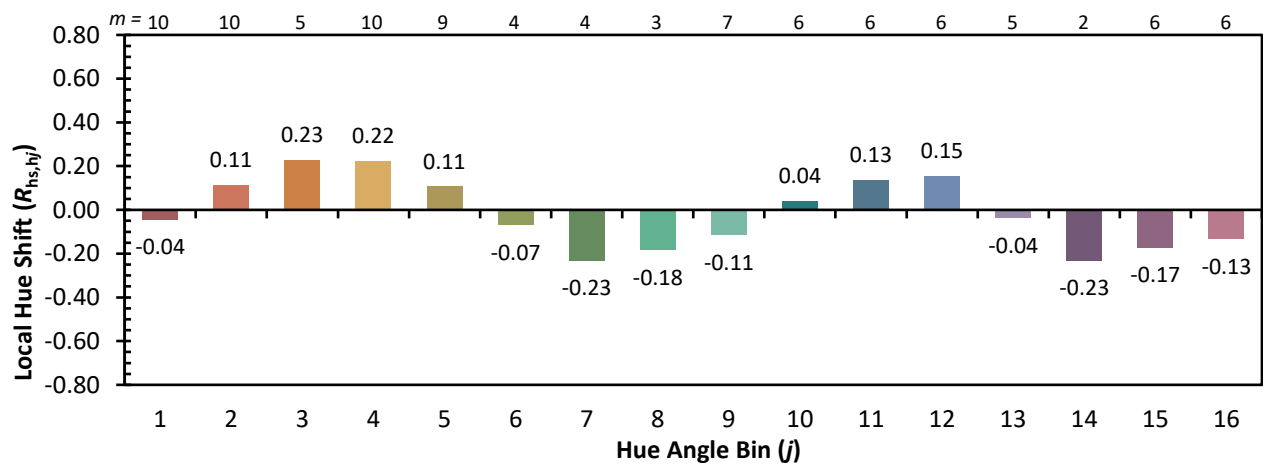
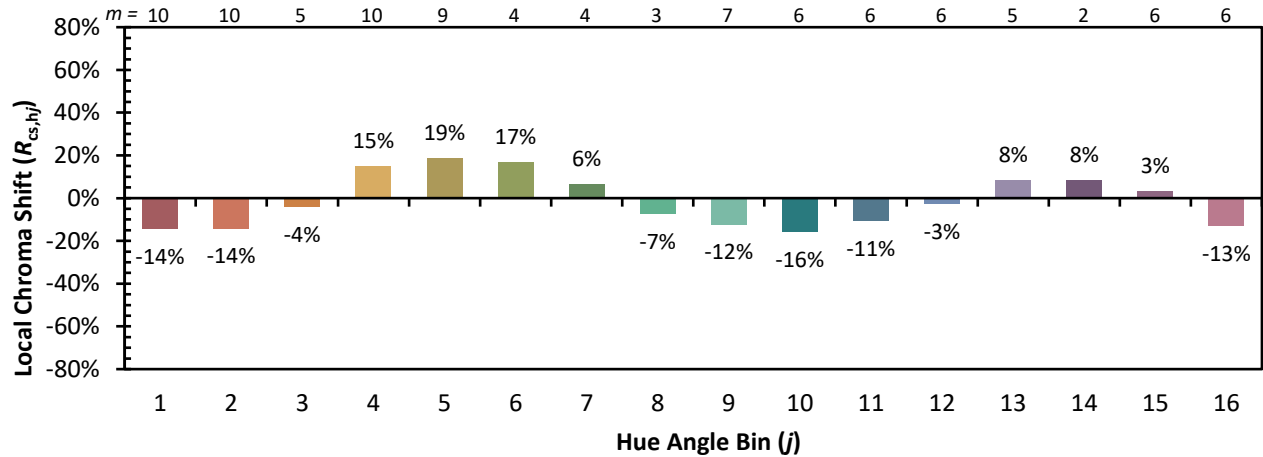
Color Vector Graphics



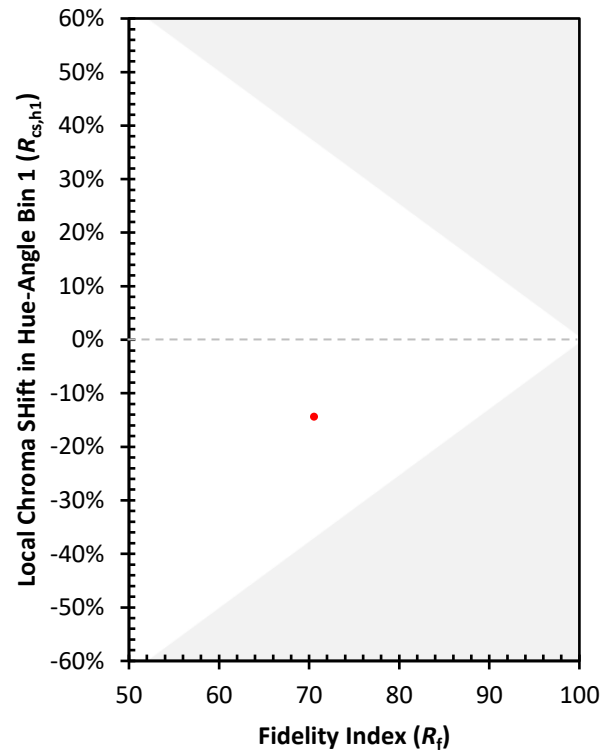
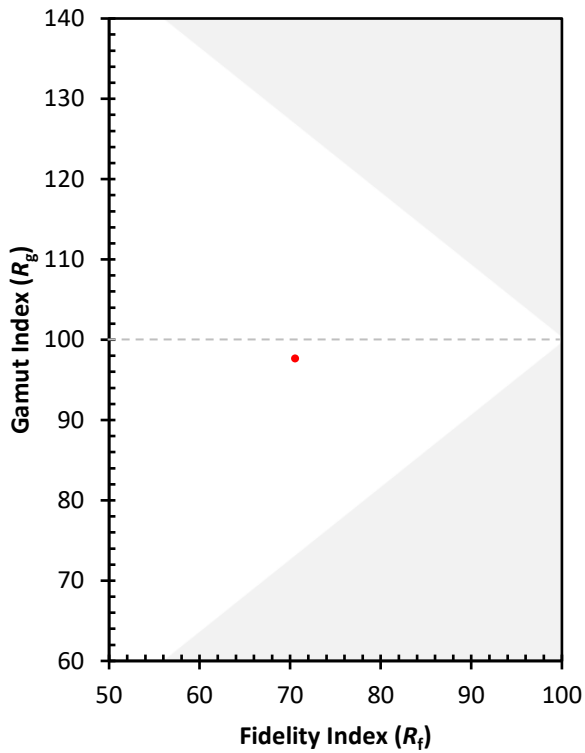
Individual Sample Fidelity Index ($R_{f,i}$)

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)