

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: P1067215

Luminaire Tested: **NAV-SA5C-727-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067215
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5C-727-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22723.4 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 236
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

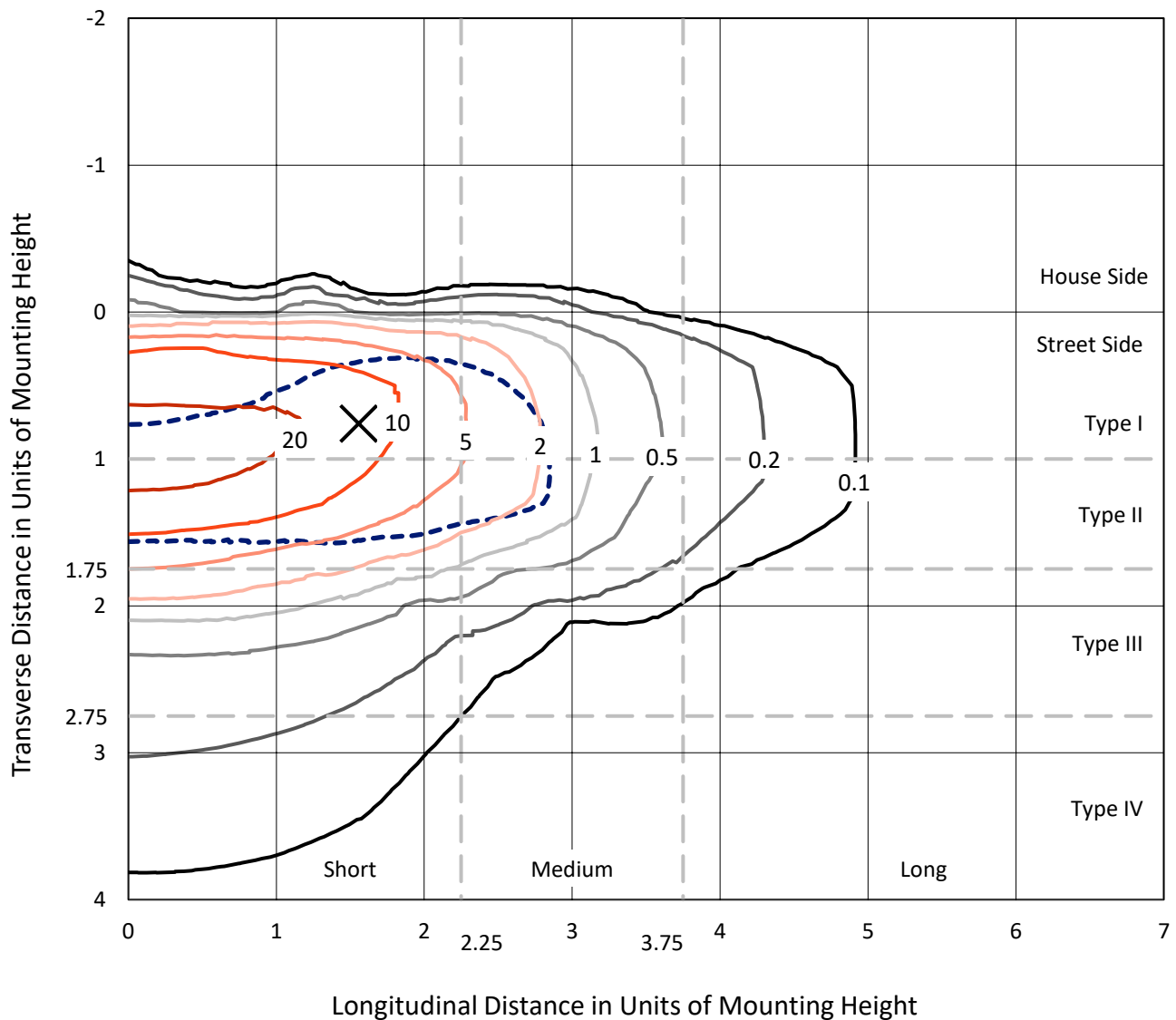


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

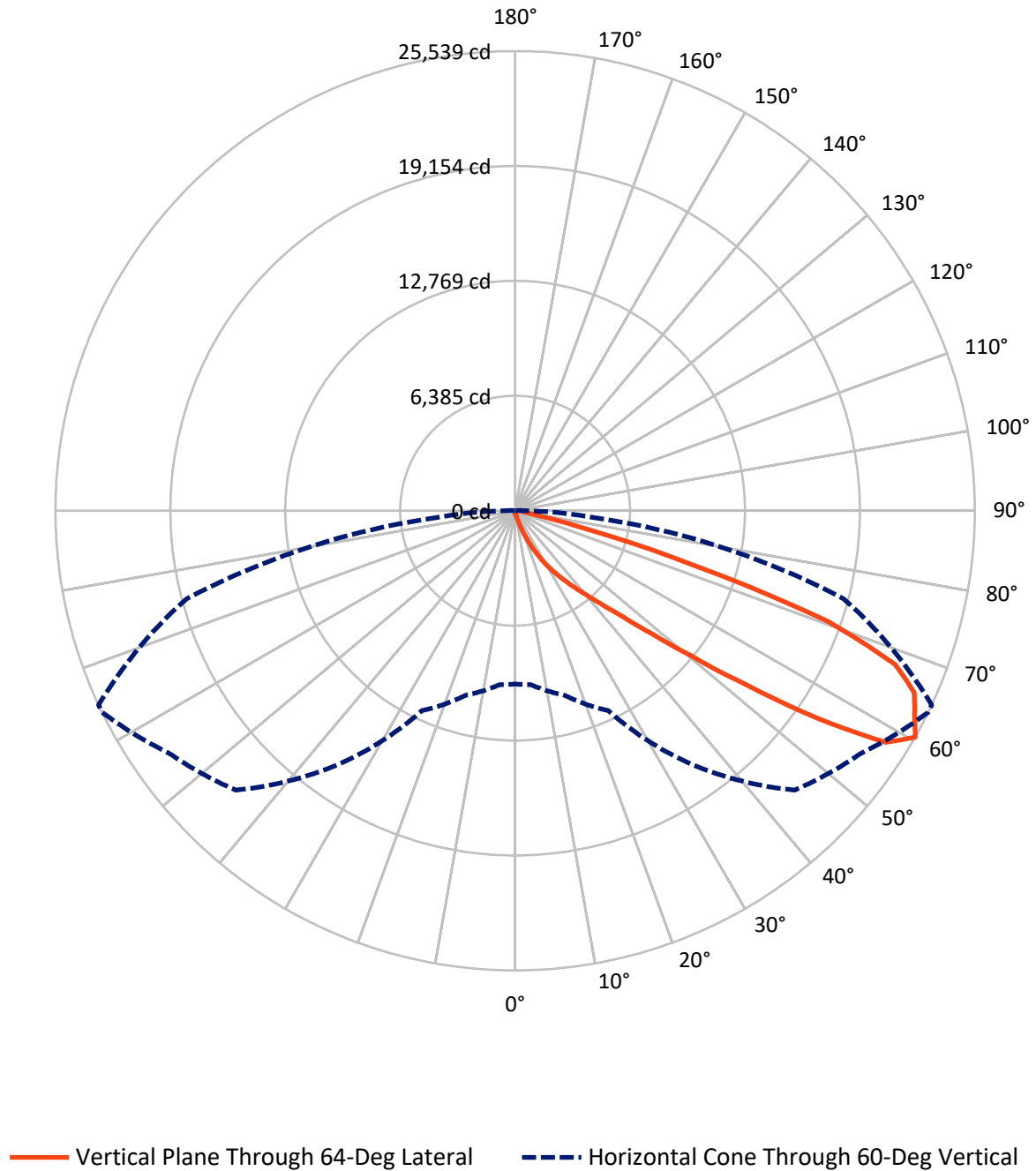


Based on 15 foot mounting height. Maximum calculated value = 32.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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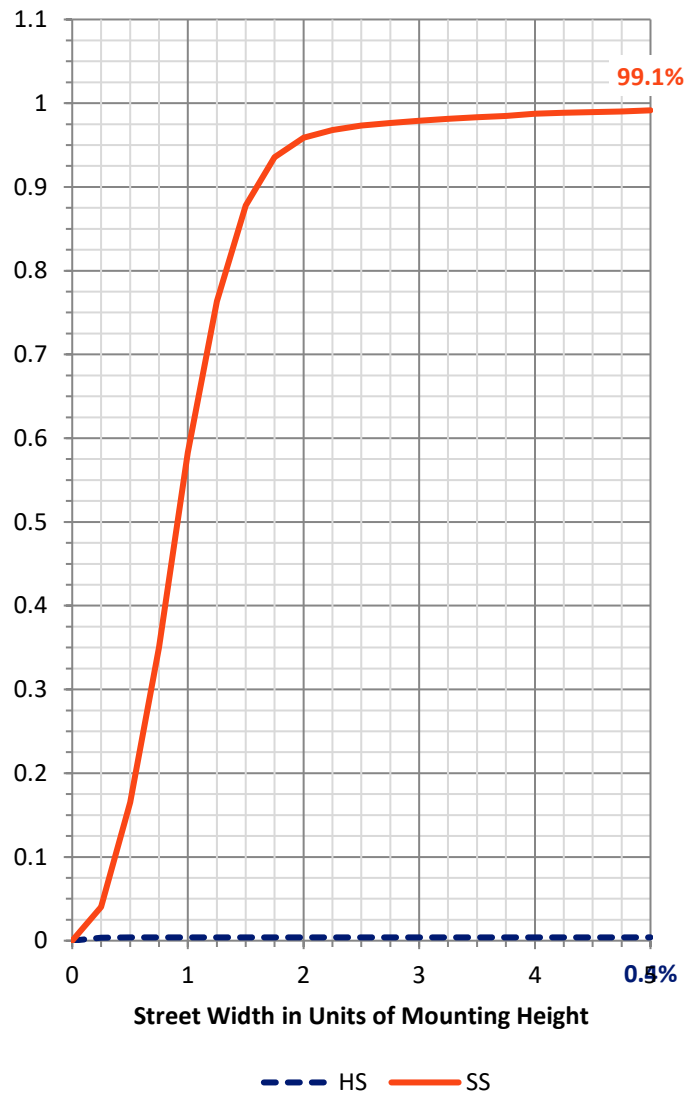
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	92.1	0.0	92.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	22631.2	0.0	22631.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	22723.4	0.0	22723.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.6	0.1
10°-20°	223.3	1.0
20°-30°	741.6	3.3
30°-40°	1978.9	8.7
40°-50°	5029.9	22.1
50°-60°	7332.5	32.3
60°-70°	5663.6	24.9
70°-80°	1555.3	6.8
80°-90°	175.6	0.8
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°	22723.4	100.0
0°-180°	22723.4	100.0



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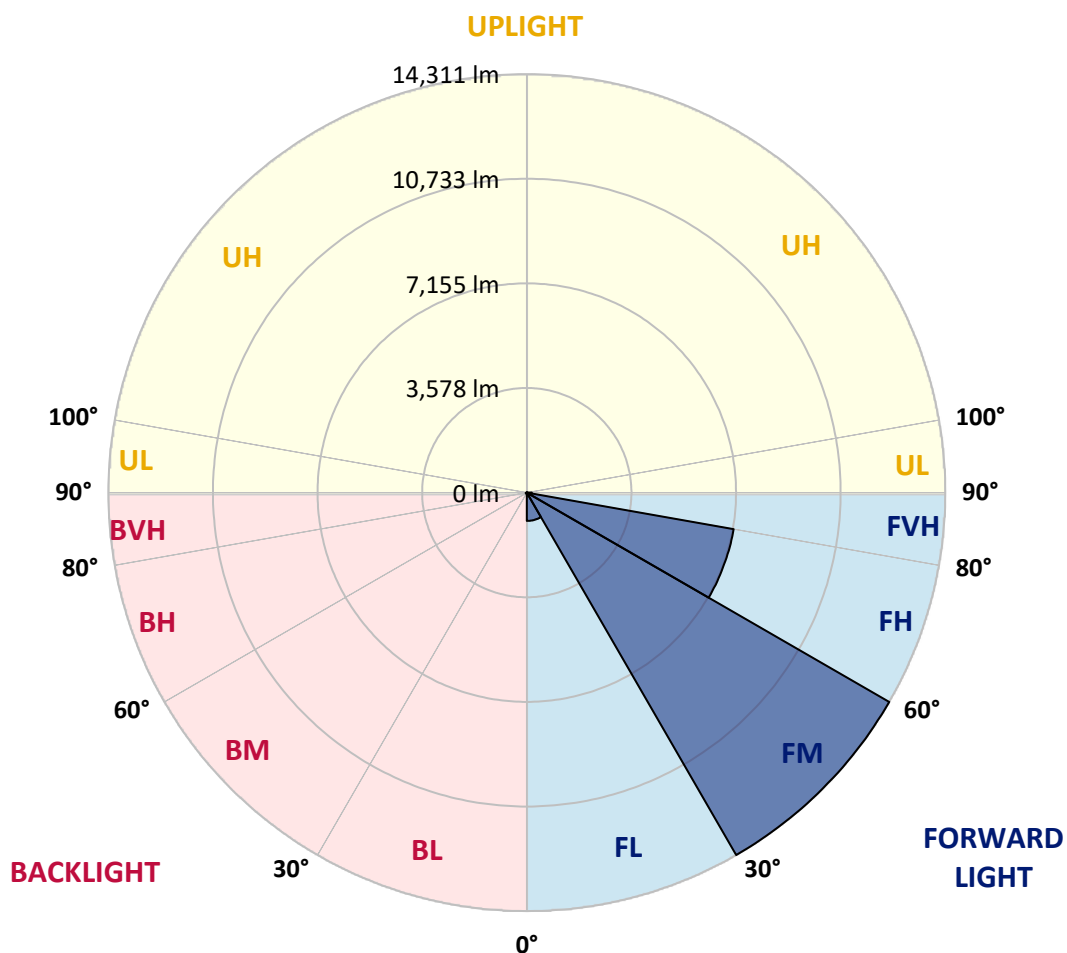
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	966.9	4.3			
FM	(30°-60°)	14310.7	63.0			
FH	(60°-80°)	7182.2	31.6			G3/7500
FVH	(80°-90°)	171.4	0.8			G2/225
BL	(0°-30°)	20.7	0.1	B0/110		
BM	(30°-60°)	30.5	0.1	B0/220		
BH	(60°-80°)	36.7	0.2	B0/110		G0/110
BVH	(80°-90°)	4.2	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	200.2	200.2	200.2	193.9	187.6	187.6	181.4	175.1	175.1	162.6	156.4
5°	306.5	306.5	294.0	281.5	262.7	237.7	212.7	193.9	193.9	175.1	162.6
7.5°	600.5	619.2	562.9	494.1	400.3	337.8	269.0	225.2	218.9	187.6	162.6
10°	1301.0	1288.5	1200.9	1032.1	813.1	588.0	375.3	275.2	262.7	200.2	162.6
12.5°	1957.8	1976.6	1882.7	1695.1	1432.4	1044.6	644.3	356.5	344.0	218.9	162.6
15°	2520.7	2520.7	2458.2	2364.4	2076.6	1670.1	1038.3	531.7	487.9	237.7	156.4
17.5°	2908.5	2902.3	2877.3	2852.2	2683.4	2264.3	1588.8	850.7	750.6	281.5	156.4
20°	3346.4	3327.6	3358.9	3308.9	3177.5	2846.0	2170.5	1263.5	1169.7	356.5	156.4
22.5°	3803.0	3821.8	3846.8	3796.7	3652.9	3365.1	2783.4	1795.2	1695.1	494.1	162.6
25°	4384.7	4372.2	4428.5	4384.7	4203.3	3865.5	3358.9	2376.9	2233.0	688.0	175.1
27.5°	5097.8	5072.7	5110.3	4997.7	4760.0	4416.0	3871.8	2971.1	2802.2	988.3	200.2
30°	6042.3	6061.0	5892.1	5760.8	5423.0	4966.4	4441.0	3609.1	3434.0	1344.8	225.2
32.5°	7530.9	7399.6	7136.9	6605.2	6161.1	5579.4	5010.2	4165.8	4009.4	1801.4	262.7
35°	9851.5	9876.5	9301.1	7987.5	7024.3	6348.7	5635.7	4778.8	4666.2	2320.6	312.7
37.5°	12678.7	12609.9	12103.3	10445.7	8287.8	7305.7	6348.7	5448.0	5285.4	2883.5	375.3
40°	15881.2	15593.5	15299.5	14173.7	10921.1	8506.7	7249.5	6223.6	6098.5	3534.0	475.4
42.5°	18445.8	18370.7	18420.7	17951.6	15312.0	10552.1	8444.1	7174.4	7024.3	4340.9	650.5
45°	19709.3	19602.9	19903.2	20253.4	19577.9	14905.5	10370.7	8387.9	8187.7	5291.7	919.5
47.5°	19371.5	19296.4	19940.7	20628.7	21529.4	19953.2	13516.9	10201.8	9857.8	6511.4	1319.8
50°	17707.7	17713.9	18771.0	20053.3	21479.4	22511.5	18176.8	12685.0	12253.4	8131.4	1945.3
52.5°	16087.7	16137.7	17257.3	19127.6	20735.1	22811.7	22267.5	16031.4	15330.8	10039.1	2683.4
55°	14423.8	14448.9	15437.1	18070.5	20384.8	21917.2	24369.2	20341.0	19596.7	12416.0	3402.7
57.5°	12822.6	12822.6	13191.6	15531.0	20003.2	21835.9	24119.0	24281.6	23674.9	15130.7	3934.3
60°	9632.6	9695.1	10614.6	12253.4	17251.1	21954.8	23481.0	25538.8	25538.8	18896.1	4340.9
62.5°	4866.3	4960.2	6104.8	7699.8	11834.3	20316.0	23581.1	24907.1	25007.2	22217.5	5266.6
65°	2283.0	2389.4	3002.4	4128.2	6367.5	14298.8	22542.7	24369.2	24337.9	21585.7	7218.2
67.5°	1638.8	1670.1	1876.5	2408.1	3427.7	6267.4	17207.3	22761.7	22774.2	18339.4	8300.3
70°	1469.9	1469.9	1519.9	1676.3	2064.1	2802.2	8362.8	18433.3	19327.7	14161.1	7693.6
72.5°	1451.1	1438.6	1426.1	1432.4	1394.8	1407.4	2871.0	10408.2	11684.2	9907.8	6136.1
75°	1413.6	1413.6	1401.1	1357.3	1113.4	907.0	988.3	4209.6	4866.3	6617.7	4553.6
77.5°	1119.6	1232.2	1363.6	1282.3	1019.6	681.8	575.5	1219.7	1538.7	4059.4	3302.6
80°	519.2	525.4	519.2	544.2	650.5	487.9	425.3	594.2	600.5	2251.8	2045.4
82.5°	375.3	381.6	362.8	325.3	287.7	262.7	350.3	437.8	469.1	1032.1	763.1
85°	112.6	106.3	125.1	168.9	200.2	231.4	294.0	369.0	387.8	381.6	112.6
87.5°	50.0	50.0	62.5	87.6	118.8	175.1	256.5	337.8	344.0	394.1	31.3
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-SA5C-727-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1	150.1
2.5°	156.4	150.1	143.9	137.6	131.4	125.1	118.8	118.8	125.1	125.1	125.1
5°	150.1	143.9	131.4	118.8	112.6	106.3	100.1	100.1	106.3	106.3	106.3
7.5°	150.1	137.6	125.1	112.6	100.1	93.8	87.6	87.6	87.6	93.8	93.8
10°	150.1	137.6	118.8	100.1	87.6	81.3	75.1	68.8	75.1	75.1	75.1
12.5°	143.9	131.4	112.6	93.8	75.1	62.5	56.3	56.3	56.3	56.3	56.3
15°	137.6	125.1	106.3	81.3	62.5	50.0	37.5	37.5	37.5	43.8	43.8
17.5°	131.4	118.8	93.8	62.5	43.8	31.3	25.0	25.0	25.0	31.3	31.3
20°	131.4	112.6	81.3	50.0	31.3	18.8	12.5	12.5	12.5	18.8	25.0
22.5°	131.4	112.6	75.1	37.5	18.8	12.5	6.3	6.3	6.3	6.3	6.3
25°	131.4	106.3	68.8	31.3	12.5	6.3	0.0	0.0	6.3	12.5	18.8
27.5°	131.4	100.1	56.3	18.8	12.5	6.3	0.0	6.3	12.5	12.5	12.5
30°	131.4	100.1	50.0	18.8	6.3	0.0	0.0	6.3	12.5	12.5	18.8
32.5°	137.6	93.8	43.8	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	143.9	87.6	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	156.4	87.6	25.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	175.1	93.8	25.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	218.9	100.1	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	306.5	125.1	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	450.4	187.6	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	656.8	256.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	806.9	256.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	800.6	162.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	613.0	112.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	519.2	81.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	625.5	62.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1113.4	56.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1788.9	56.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2001.6	56.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1563.7	50.0	6.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	856.9	43.8	6.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	431.6	31.3	12.5	6.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	181.4	25.0	12.5	6.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	62.5	25.0	12.5	12.5	6.3	6.3	0.0	0.0	0.0	0.0	0.0
85°	31.3	18.8	18.8	12.5	12.5	6.3	6.3	0.0	0.0	0.0	0.0
87.5°	18.8	18.8	18.8	12.5	12.5	6.3	6.3	0.0	0.0	0.0	6.3
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

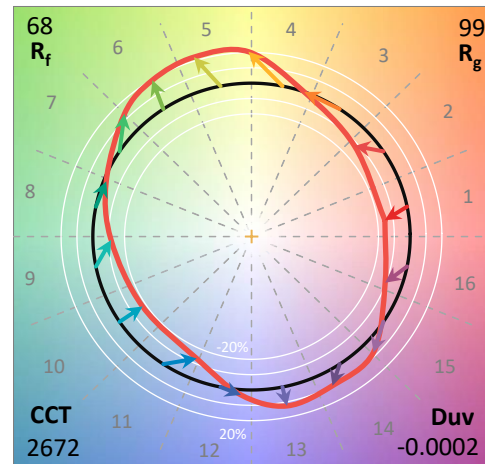
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

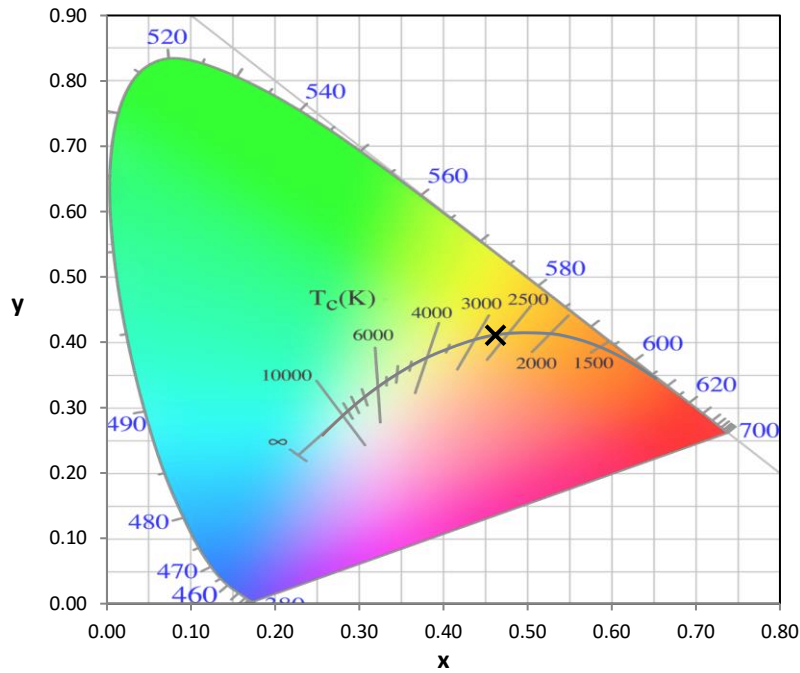
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

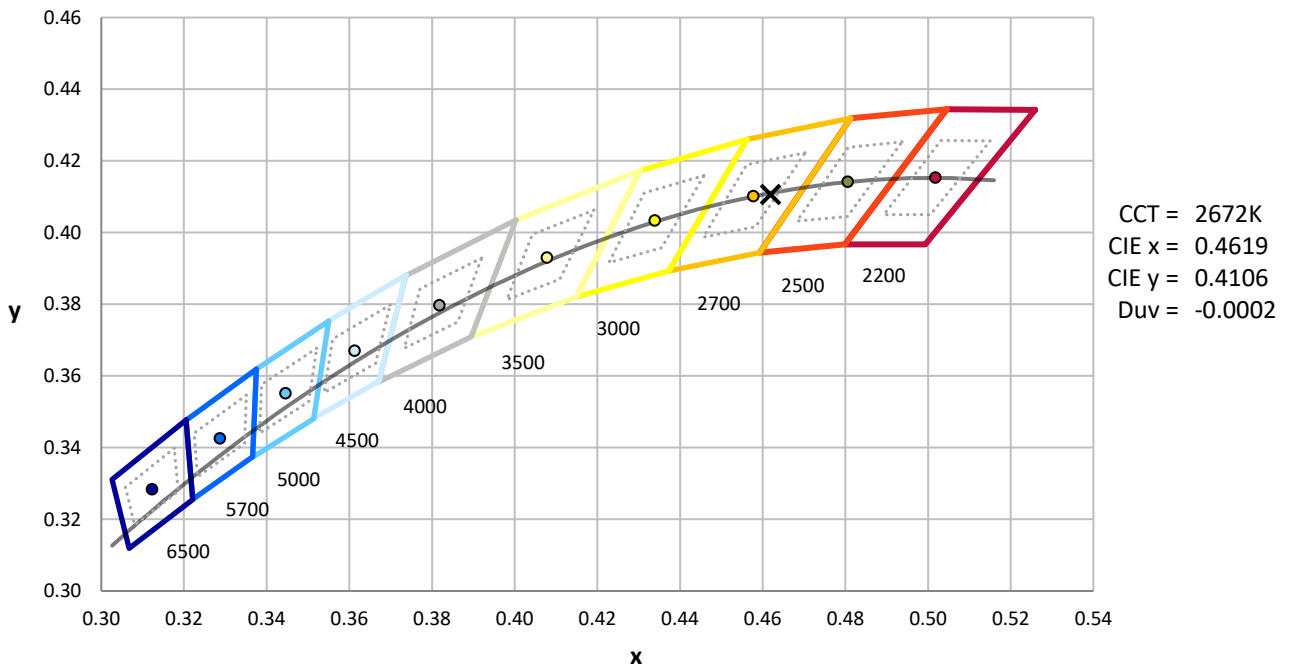
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



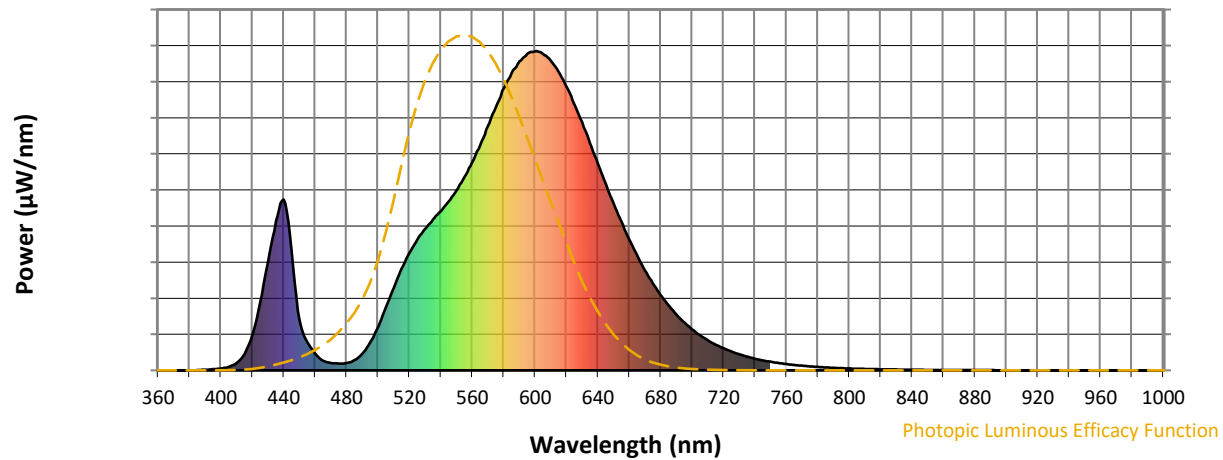
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

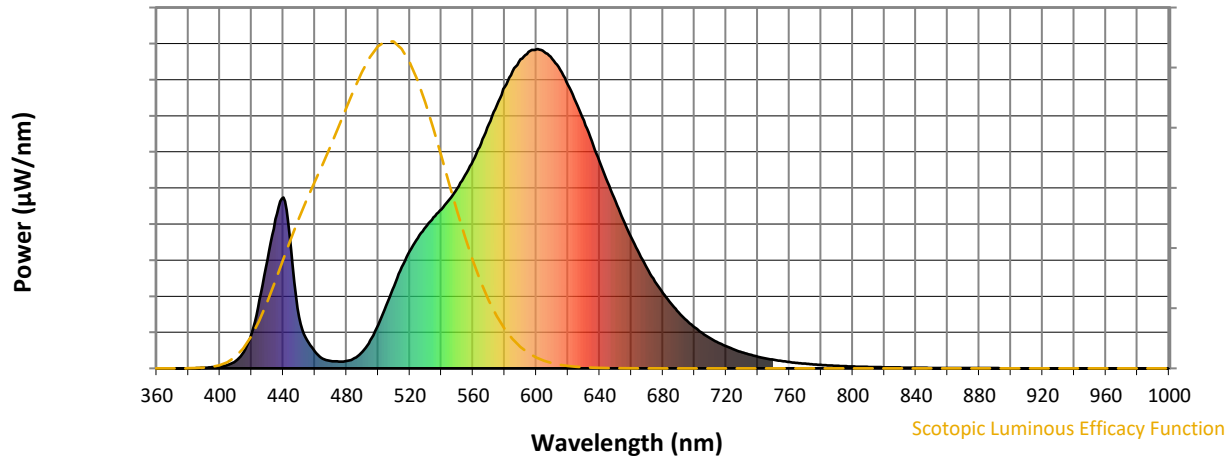


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



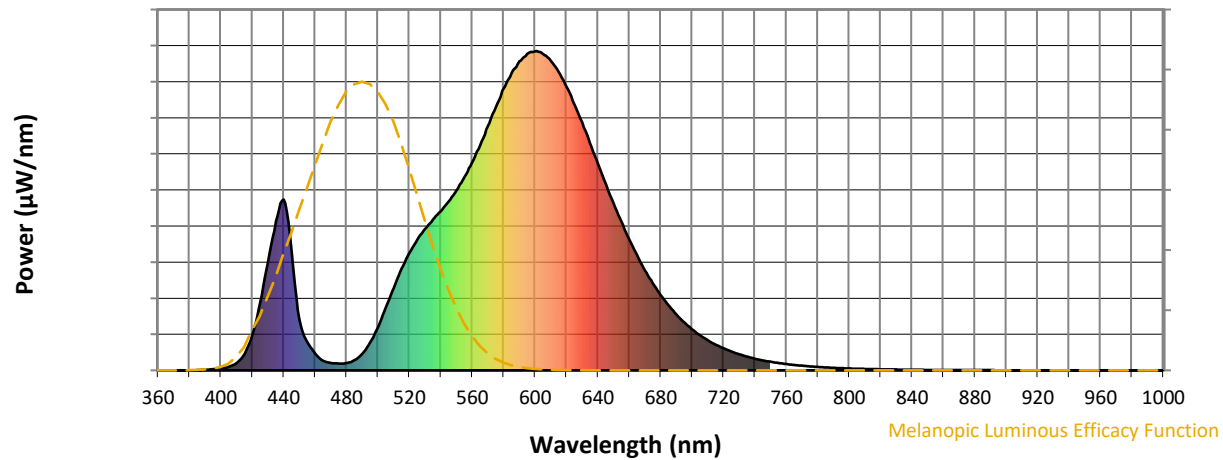
Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

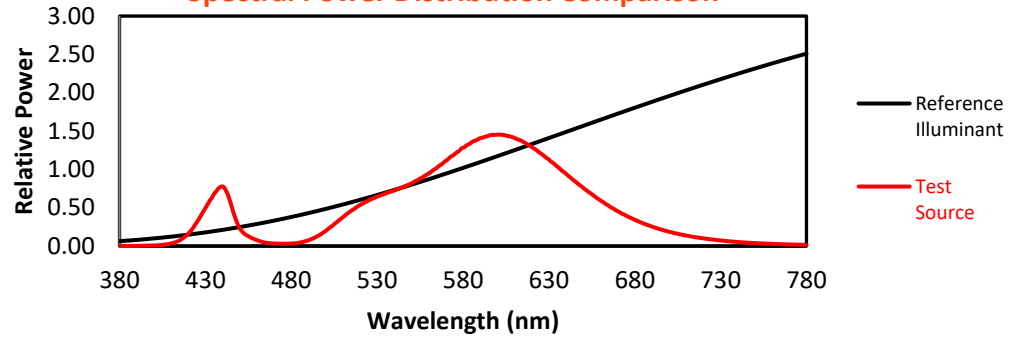
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TM-30-18

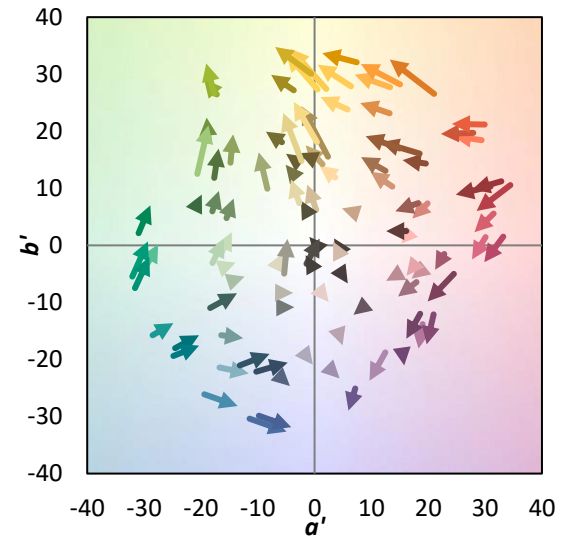
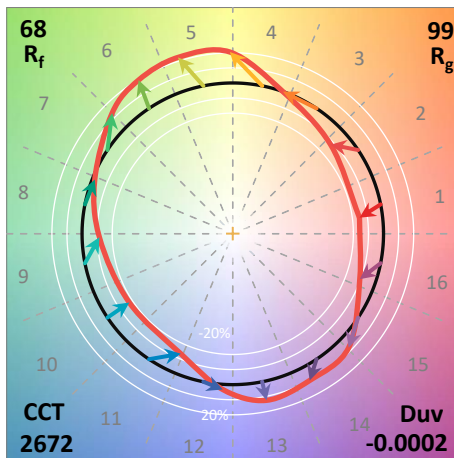
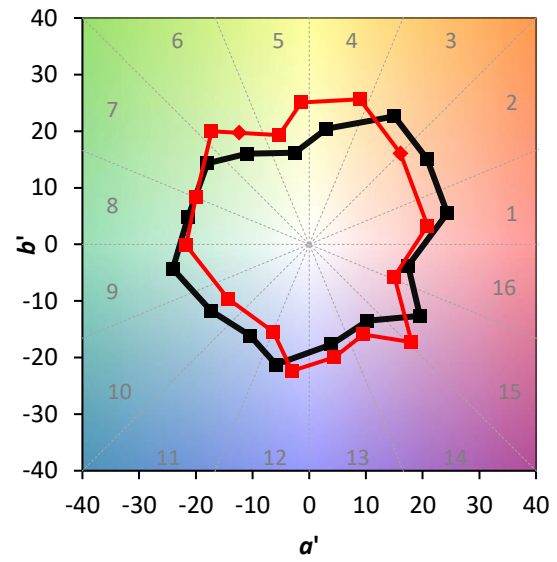
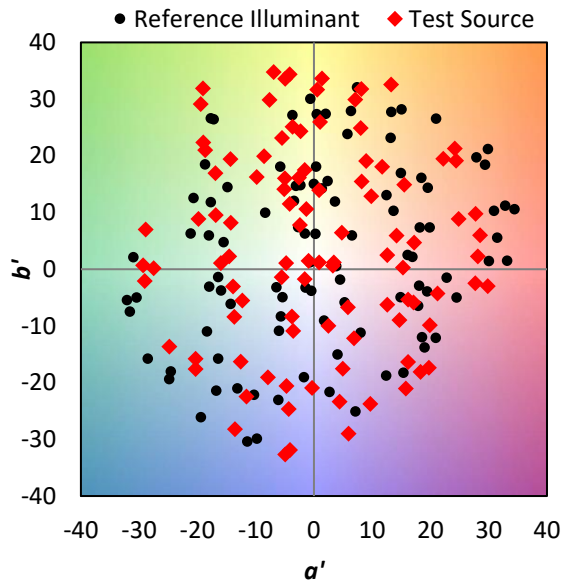
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE\ R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

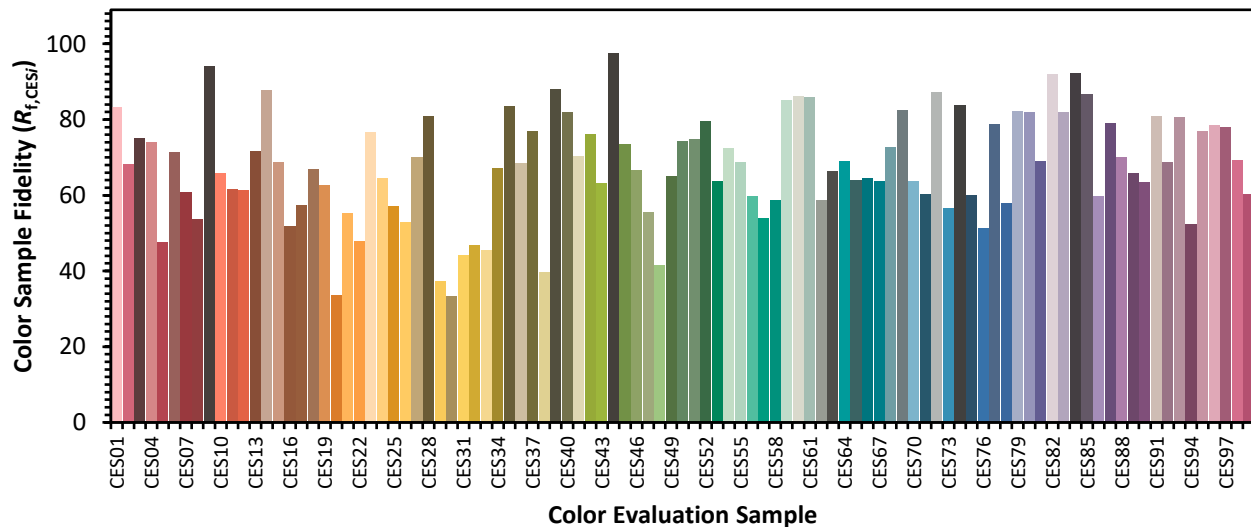


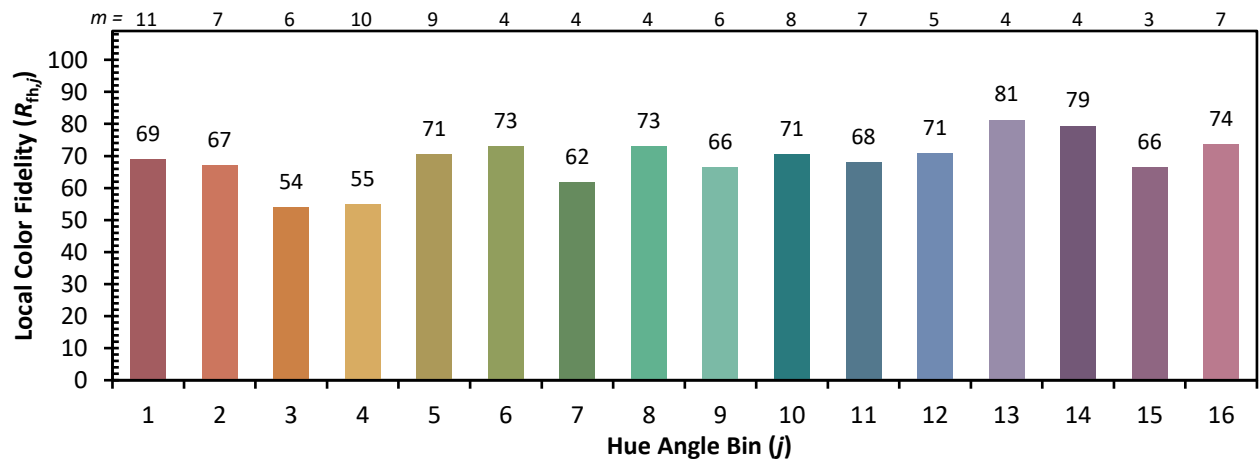
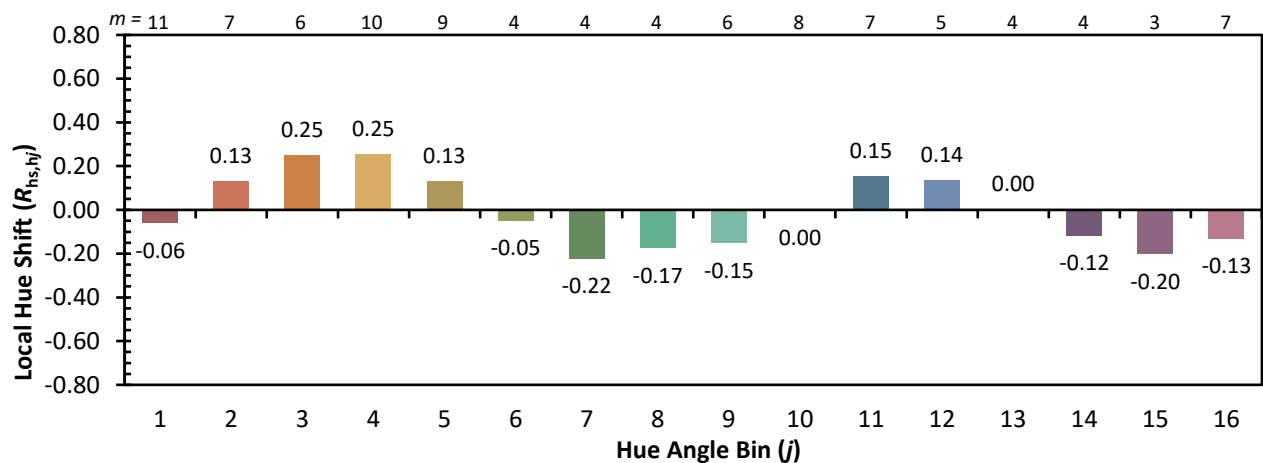
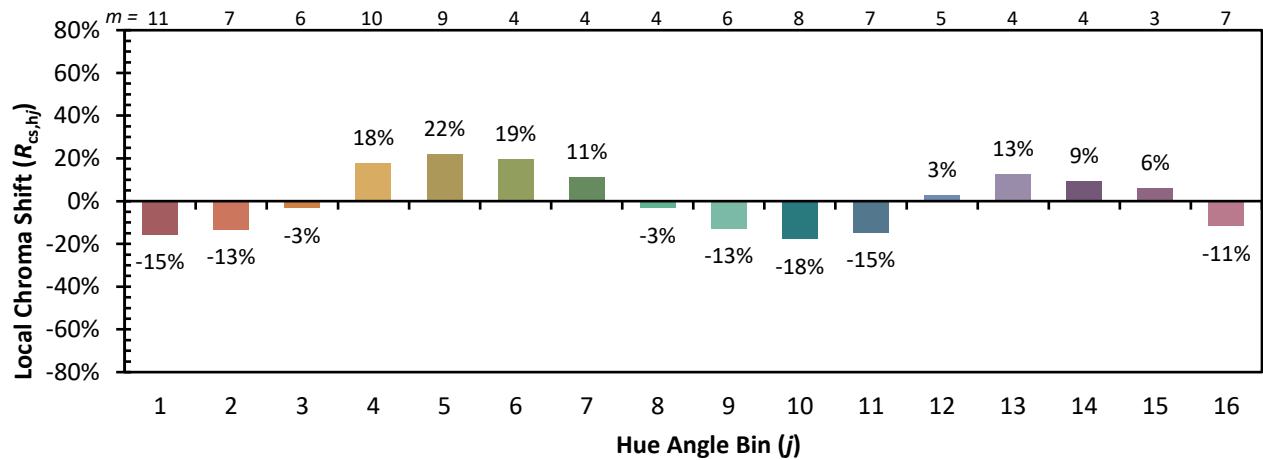
Color Vector Graphics



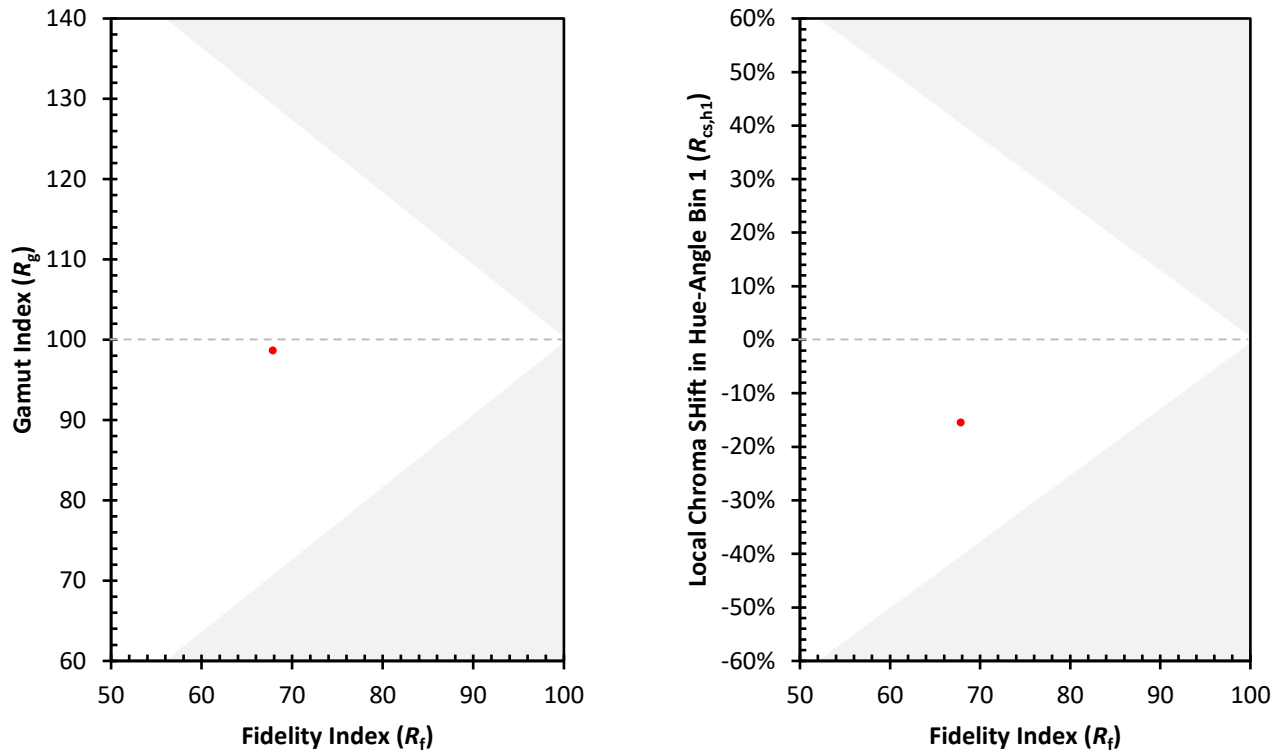
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)