

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: P1066967

Luminaire Tested: **NAV-SA3C-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066967
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3C-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14472.9 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 140.4
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

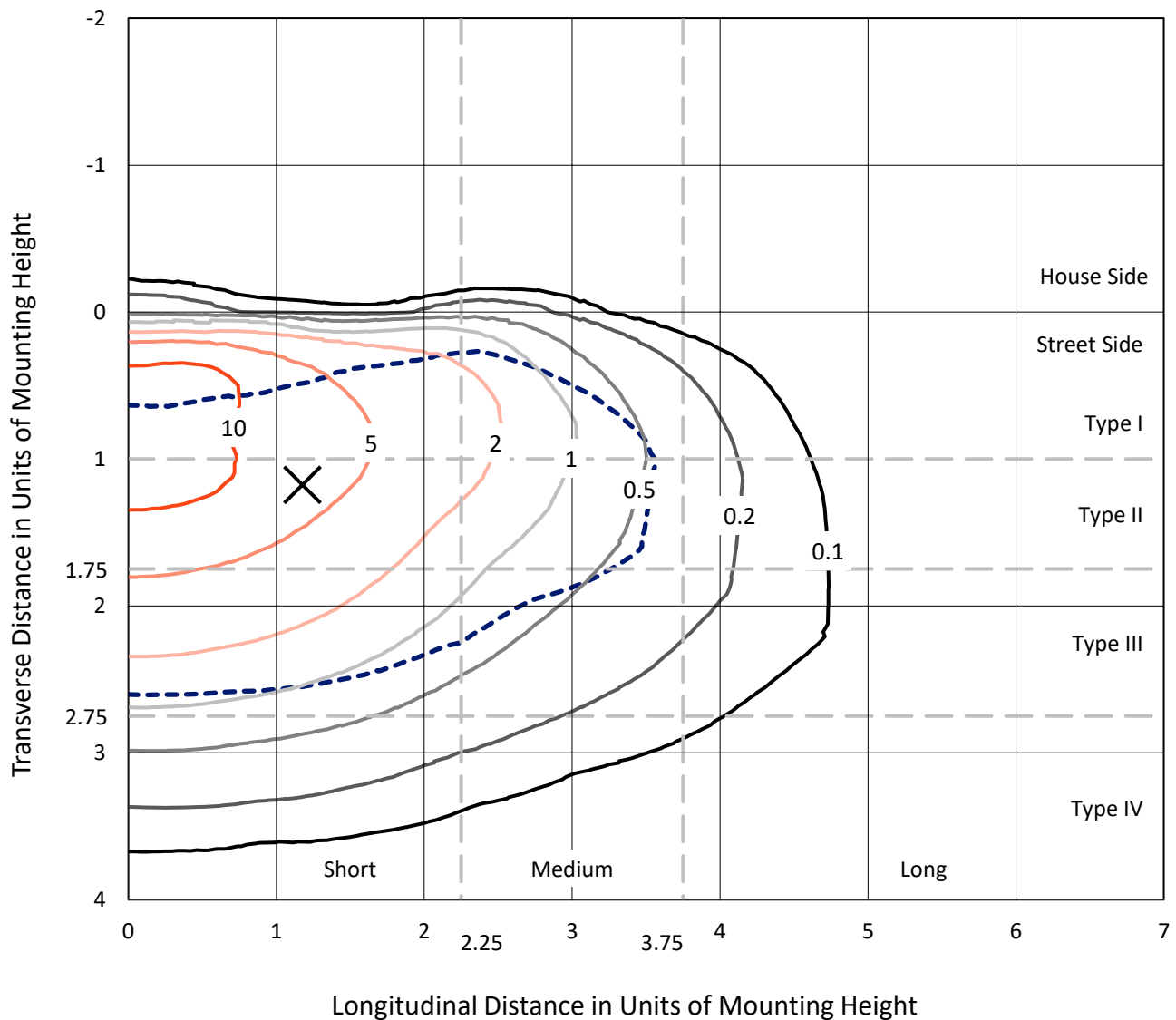


REPORT NUMBER: P1066967

CATALOG NUMBER: NAV-SA3C-727-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

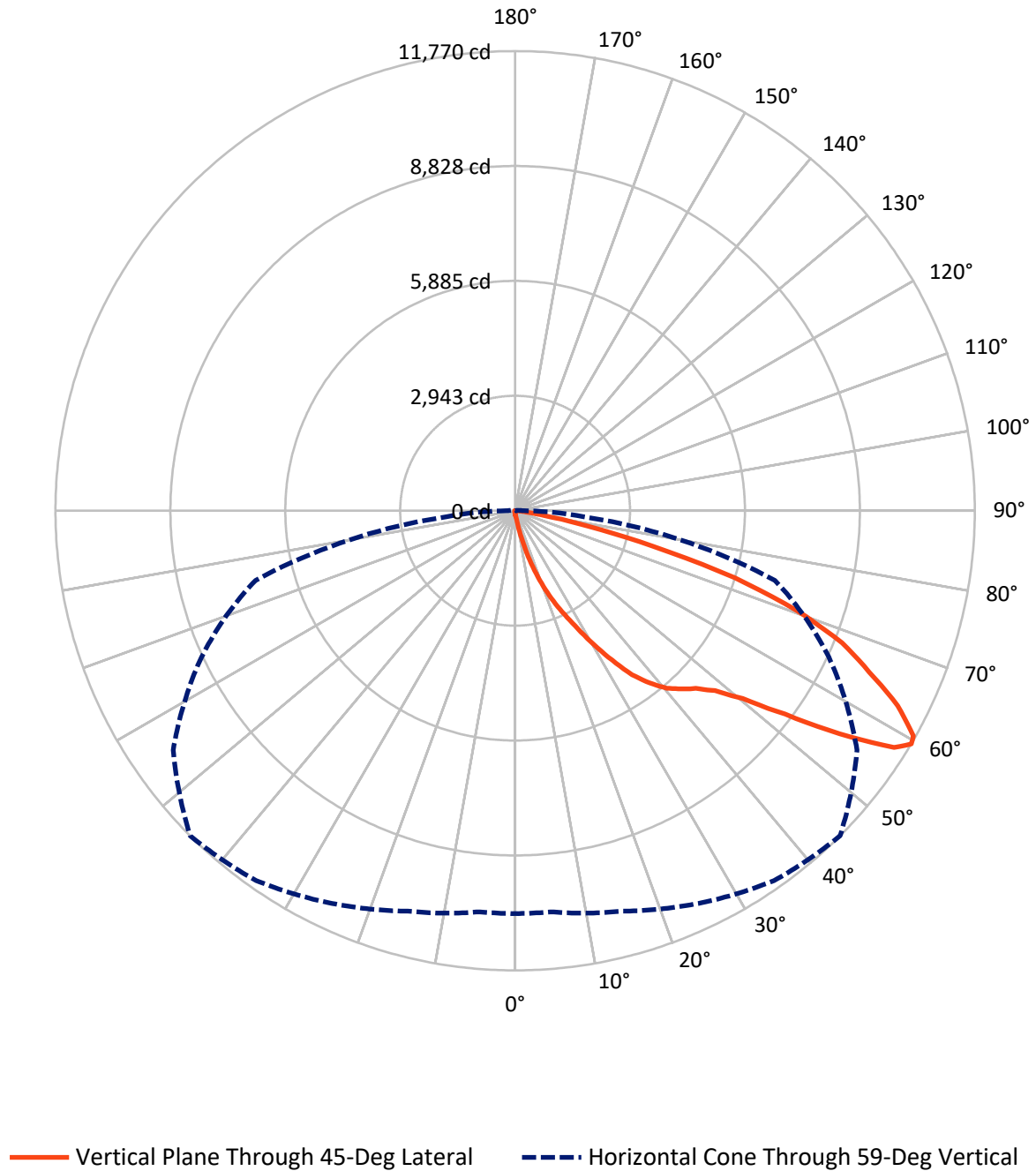


Based on 15 foot mounting height. Maximum calculated value = 15.8 fc
 Type III - Short - N/A

REPORT NUMBER: P1066967

CATALOG NUMBER: NAV-SA3C-727-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1066967

CATALOG NUMBER: NAV-SA3C-727-U-T3BC

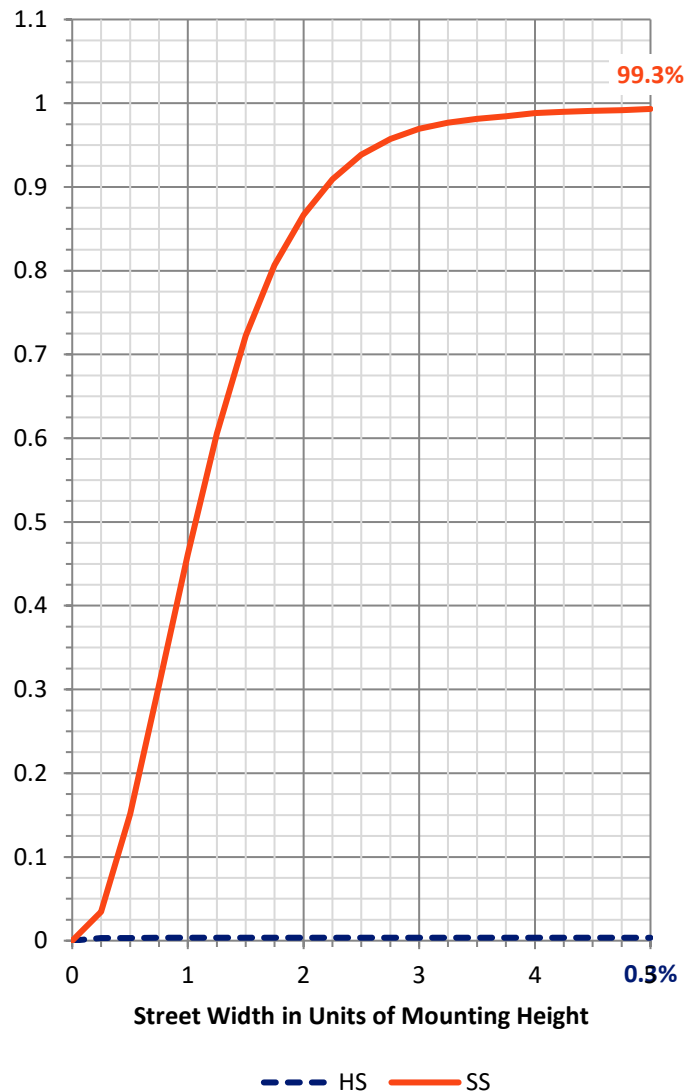
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.4	0.0	51.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14421.5	0.0	14421.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	14472.9	0.0	14472.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.1
10°-20°	160.0	1.1
20°-30°	574.8	4.0
30°-40°	1335.6	9.2
40°-50°	2276.5	15.7
50°-60°	3751.1	25.9
60°-70°	4337.1	30.0
70°-80°	1863.3	12.9
80°-90°	161.0	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°	14472.9	100.0
0°-180°	14472.9	100.0



REPORT NUMBER: P1066967

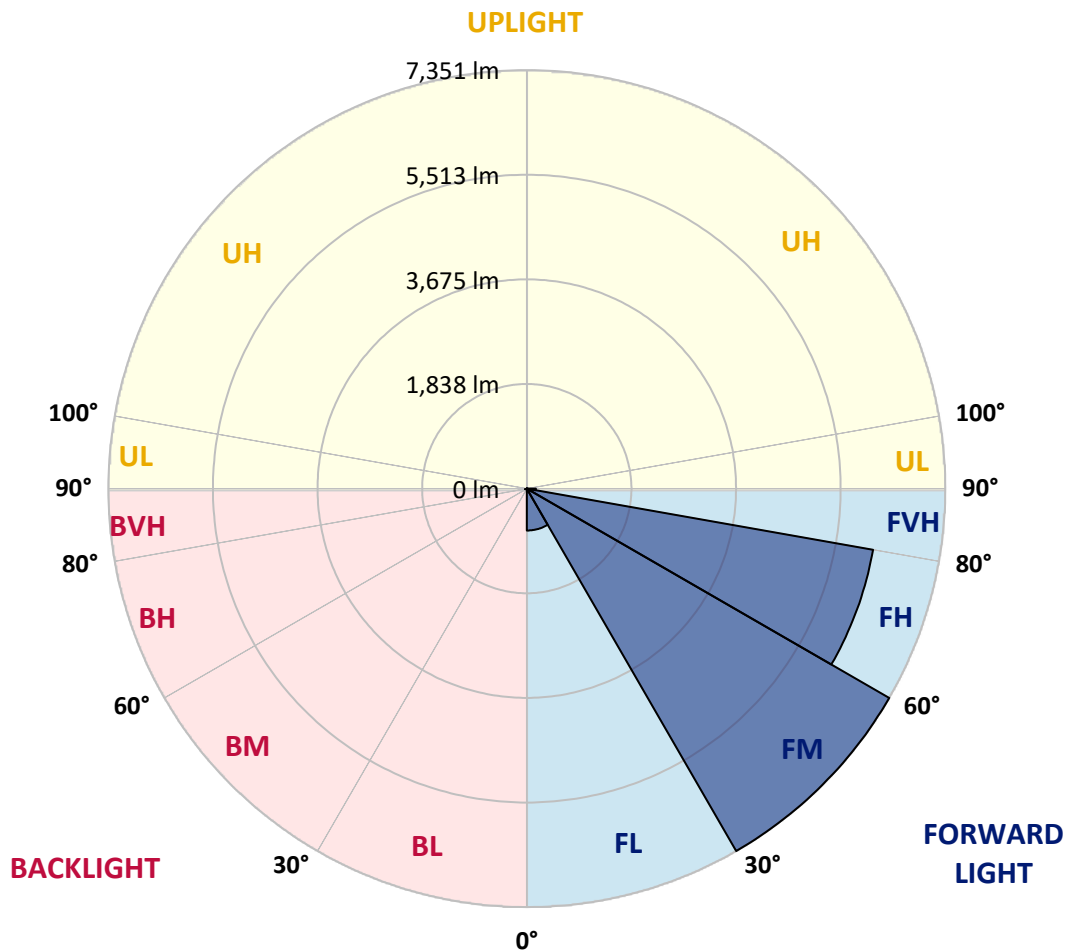
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	735.5	5.1			
FM	(30°-60°)	7350.8	50.8			
FH	(60°-80°)	6176.2	42.7			G3/7500
FVH	(80°-90°)	158.9	1.1			G2/225
BL	(0°-30°)	12.7	0.1	B0/110		
BM	(30°-60°)	12.4	0.1	B0/220		
BH	(60°-80°)	24.2	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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-G3

Type III Short



REPORT NUMBER: P1066967

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2.5°	118.7	118.7	115.8	111.9	110.9	108.0	108.0	105.1	101.2	98.3	94.4
5°	172.2	171.3	163.5	153.8	141.1	133.3	133.3	122.6	112.9	104.1	96.3
7.5°	376.6	367.9	339.6	292.9	231.6	190.7	187.8	152.8	129.4	111.9	97.3
10°	864.2	834.0	794.1	682.2	504.1	352.3	345.5	222.9	154.7	120.7	99.3
12.5°	1415.9	1440.3	1360.5	1184.3	976.1	726.0	677.3	375.6	204.4	132.3	101.2
15°	1918.1	1912.3	1867.5	1723.5	1483.1	1150.3	1120.1	653.0	292.9	150.8	103.2
17.5°	2293.7	2286.9	2244.1	2151.7	1966.8	1633.9	1607.7	1041.3	459.3	177.1	105.1
20°	2689.8	2681.1	2620.7	2546.8	2385.2	2102.0	2070.9	1475.3	719.2	219.9	105.1
22.5°	3164.7	3148.2	3083.9	2958.4	2788.1	2541.9	2513.7	1919.1	1041.3	290.0	110.0
25°	3738.9	3710.7	3622.1	3509.2	3303.9	2976.9	2946.7	2413.4	1429.6	396.1	114.8
27.5°	4393.8	4398.7	4279.0	4088.2	3812.8	3479.0	3422.6	2856.2	1831.5	547.9	120.7
30°	5171.4	5122.7	4954.4	4732.5	4464.9	4039.6	3985.1	3297.1	2283.0	771.7	130.4
32.5°	5899.3	5846.7	5620.0	5340.7	5053.6	4605.0	4560.2	3792.4	2693.7	1036.4	147.9
35°	6524.1	6487.1	6169.8	5829.2	5574.3	5173.3	5159.7	4345.2	3176.4	1321.6	167.4
37.5°	7073.9	7006.8	6599.0	6245.7	5986.9	5627.8	5598.6	4851.2	3641.6	1652.4	196.6
40°	7543.0	7506.0	7008.7	6544.5	6334.3	6013.2	5976.2	5295.0	4122.3	2036.8	232.6
42.5°	8045.1	7996.5	7513.8	6993.1	6605.8	6262.3	6238.0	5660.9	4550.5	2459.2	286.1
45°	8612.5	8522.0	8098.6	7631.5	7042.8	6520.2	6492.9	5986.9	4989.4	2912.7	351.3
47.5°	9218.7	9139.9	8797.4	8469.4	7792.1	6945.4	6887.1	6264.2	5425.4	3436.2	434.0
50°	9835.7	9837.7	9580.8	9423.1	8707.8	7636.4	7553.7	6672.0	5883.7	3996.8	556.6
52.5°	10553.9	10572.4	10568.5	10451.7	9897.0	8766.2	8655.3	7290.9	6416.0	4650.7	726.0
55°	10854.6	10887.7	11102.8	11361.6	11210.8	10198.7	10080.0	8358.5	7121.6	5379.6	977.1
57.5°	10608.4	10645.4	10942.2	11395.7	11742.1	11453.1	11439.5	9748.1	8051.0	6263.3	1387.7
59°	10315.5	10310.6	10615.2	11096.0	11563.1	11750.9	11770.4	10688.2	8860.6	6883.2	1742.0
60°	10120.9	10124.8	10327.2	10820.6	11316.9	11642.9	11718.8	11241.9	9333.6	7328.9	2045.6
62.5°	9369.6	9414.3	9574.9	10033.3	10504.3	10868.2	10997.7	11735.3	10687.2	8381.8	3101.5
65°	8553.1	8556.0	8784.7	9176.9	9628.4	9884.4	9966.1	10967.5	11591.3	9454.2	4486.3
67.5°	7096.3	7155.6	7415.5	8051.0	8647.5	8971.6	9033.8	9546.7	11216.6	10153.0	5180.1
70°	4966.0	5043.9	5414.7	6238.9	7127.4	7659.7	7655.8	7936.1	9871.7	9841.6	4391.9
72.5°	2479.6	2613.9	2916.6	3799.2	4875.5	5711.5	5887.6	6383.9	7930.3	8174.5	3276.6
75°	1095.8	1103.6	1275.8	1720.5	2423.2	3484.9	3642.5	5067.2	6084.2	5681.3	2366.7
77.5°	637.4	643.3	674.4	772.7	981.9	1707.9	1885.0	3323.3	4299.4	3301.9	1543.4
80°	231.6	237.5	236.5	292.9	430.1	672.5	749.3	1610.6	2867.9	1739.0	808.7
82.5°	142.1	142.1	137.2	138.2	156.7	257.9	282.2	686.1	1396.5	856.4	231.6
85°	70.1	74.0	78.8	88.6	105.1	127.5	135.3	196.6	470.0	207.3	55.5
87.5°	41.8	42.8	46.7	56.4	70.1	91.5	97.3	133.3	168.4	139.2	13.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1066967

CATALOG NUMBER: NAV-SA3C-727-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2.5°	92.5	91.5	86.6	82.7	78.8	74.9	72.0	69.1	69.1	70.1	69.1
5°	92.5	88.6	80.8	74.0	68.1	63.3	58.4	54.5	53.5	53.5	54.5
7.5°	91.5	86.6	75.9	67.1	59.4	52.6	47.7	42.8	41.8	42.8	41.8
10°	90.5	84.7	72.0	61.3	50.6	43.8	37.0	32.1	32.1	32.1	33.1
12.5°	90.5	81.7	68.1	55.5	43.8	36.0	29.2	24.3	23.4	23.4	23.4
15°	89.5	79.8	64.2	48.7	37.0	27.2	21.4	16.5	16.5	16.5	16.5
17.5°	87.6	76.9	59.4	42.8	29.2	20.4	14.6	9.7	9.7	11.7	11.7
20°	85.6	74.0	53.5	35.0	24.3	15.6	9.7	5.8	5.8	8.8	9.7
22.5°	86.6	74.0	49.6	31.1	19.5	11.7	7.8	4.9	3.9	6.8	8.8
25°	87.6	72.0	44.8	27.2	14.6	8.8	5.8	1.9	1.0	1.9	2.9
27.5°	87.6	70.1	38.9	21.4	10.7	6.8	2.9	0.0	0.0	0.0	0.0
30°	86.6	67.1	34.1	17.5	7.8	3.9	1.0	0.0	0.0	0.0	0.0
32.5°	85.6	64.2	31.1	13.6	6.8	1.9	0.0	0.0	0.0	0.0	0.0
35°	86.6	60.3	27.2	10.7	3.9	0.0	0.0	0.0	0.0	0.0	1.9
37.5°	89.5	56.4	23.4	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	93.4	53.5	19.5	6.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	101.2	53.5	17.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	110.9	53.5	14.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	123.6	54.5	12.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	139.2	56.4	11.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	150.8	54.5	10.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	171.3	52.6	9.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	198.5	49.6	9.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	225.8	45.7	9.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	256.9	43.8	8.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	424.3	38.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	819.4	37.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1324.5	37.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1392.6	37.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	926.4	30.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	496.3	27.2	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	267.6	25.3	3.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	117.8	18.5	4.9	2.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	46.7	12.7	5.8	4.9	3.9	1.9	0.0	0.0	0.0	0.0	0.0
85°	22.4	9.7	7.8	6.8	4.9	2.9	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	9.7	8.8	7.8	6.8	4.9	1.0	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: SP1-2407-184-3

Test Date: 10/09/2024

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

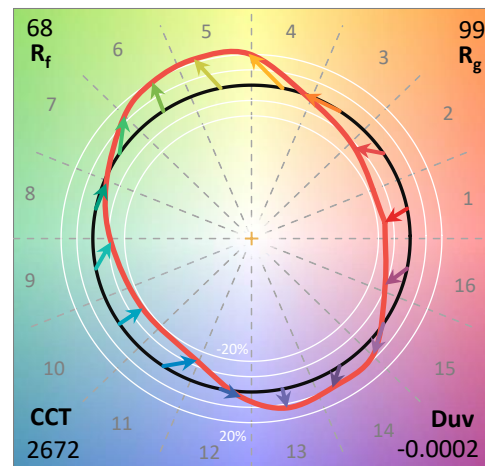
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

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

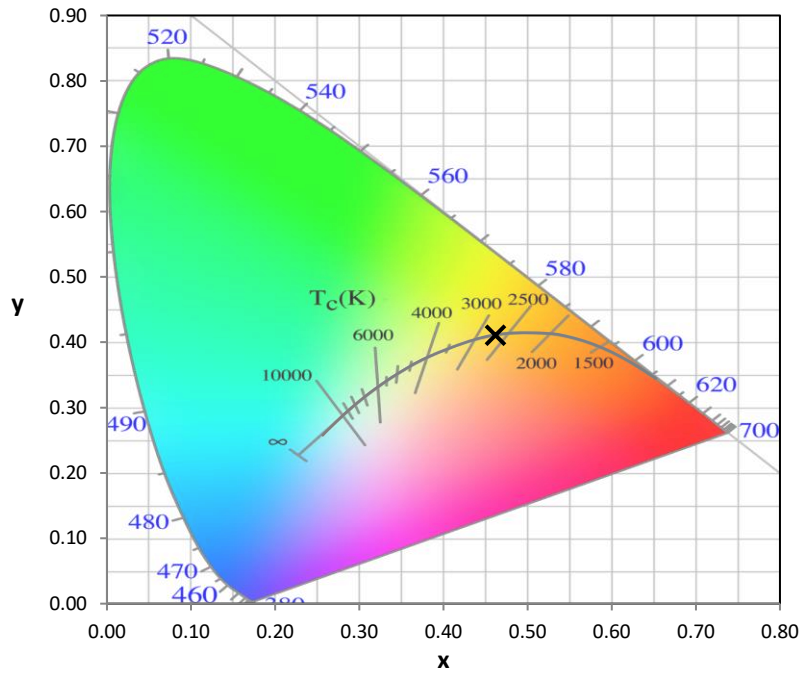
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

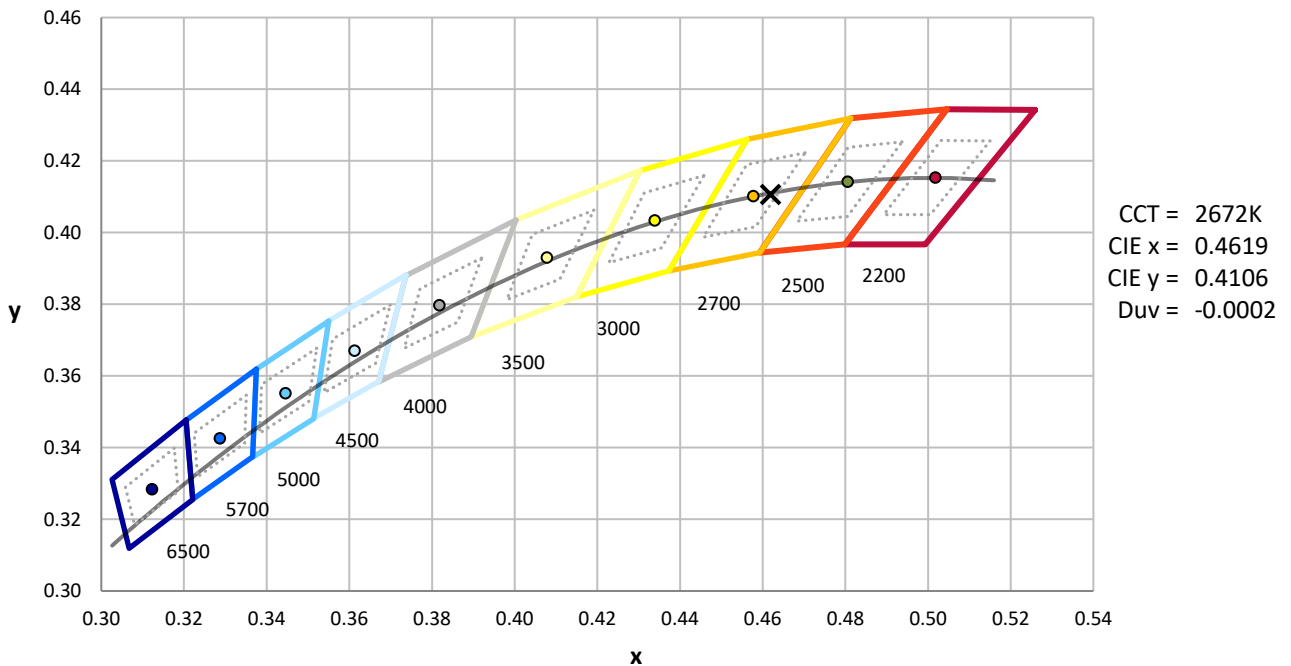
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



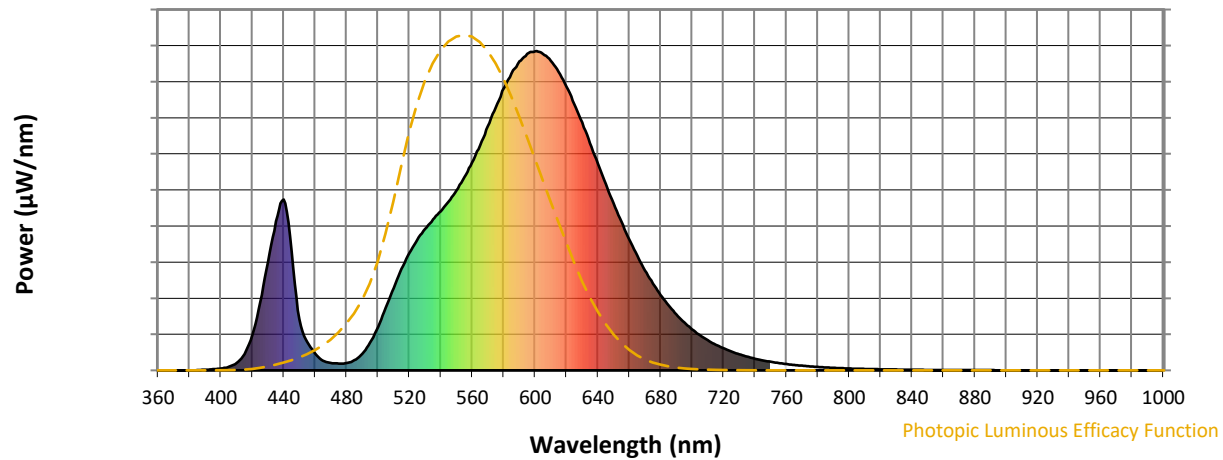
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

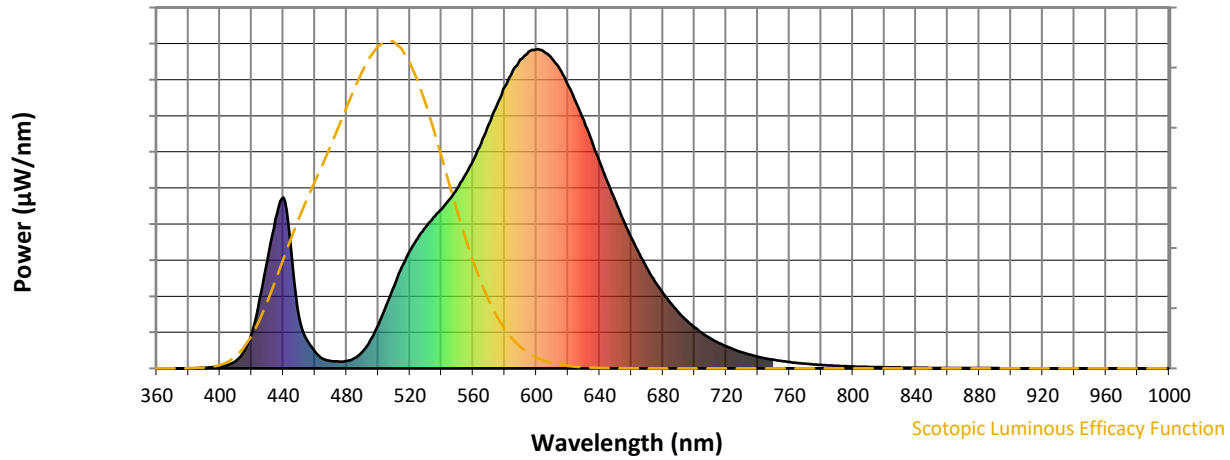


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



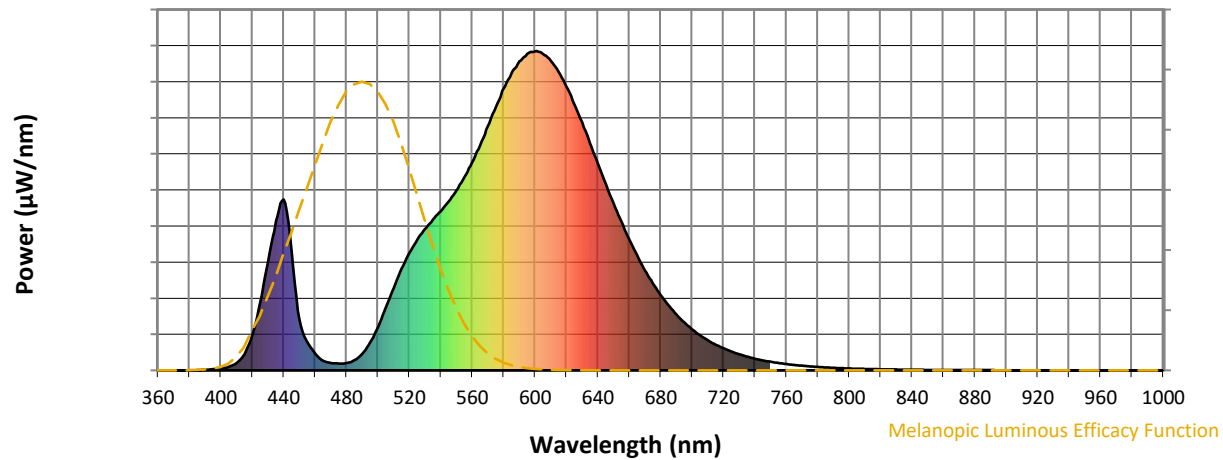
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-3

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			

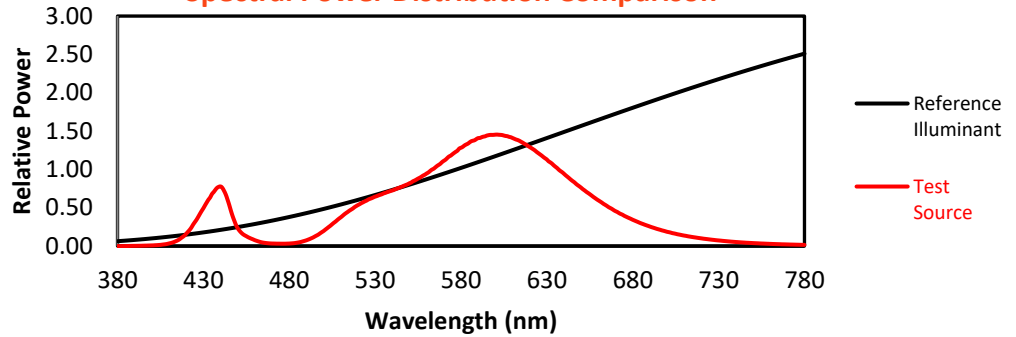
REPORT NUMBER: SP1-2407-184-3

TM-30-18

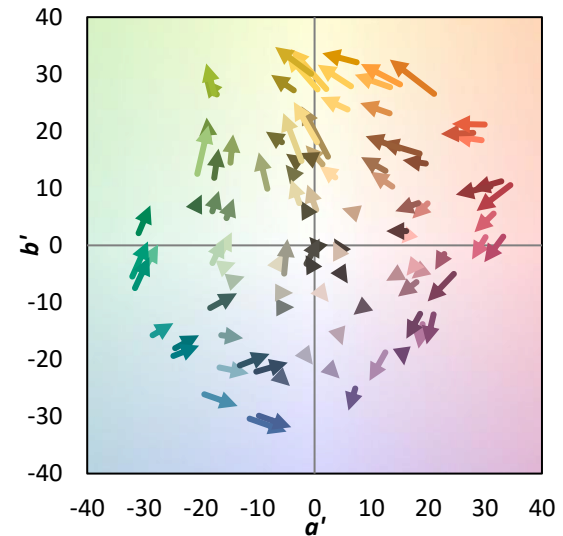
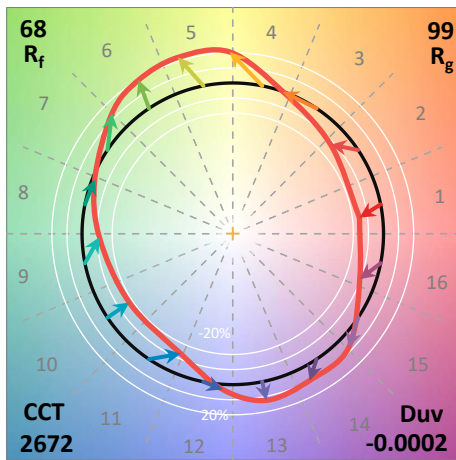
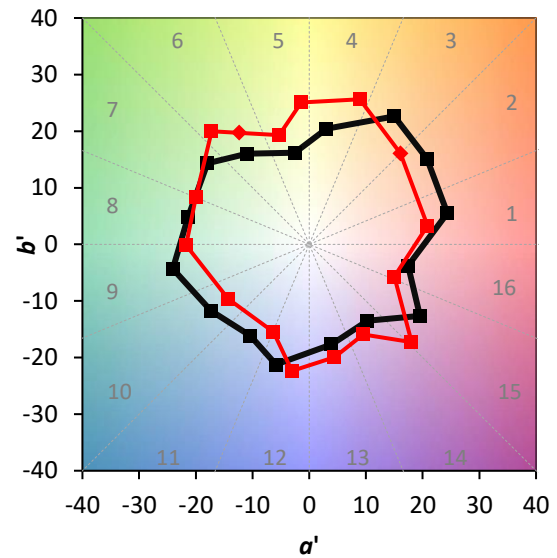
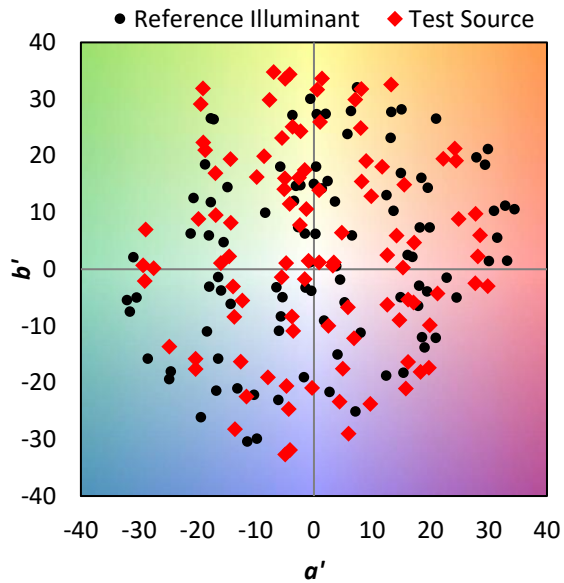
Summary

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

Spectral Power Distribution Comparison

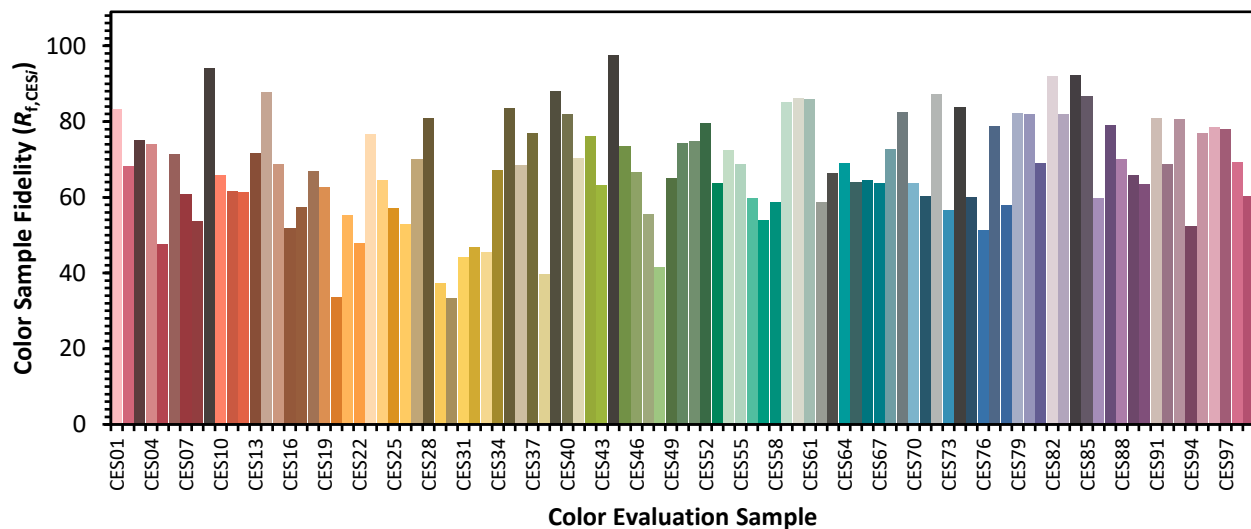


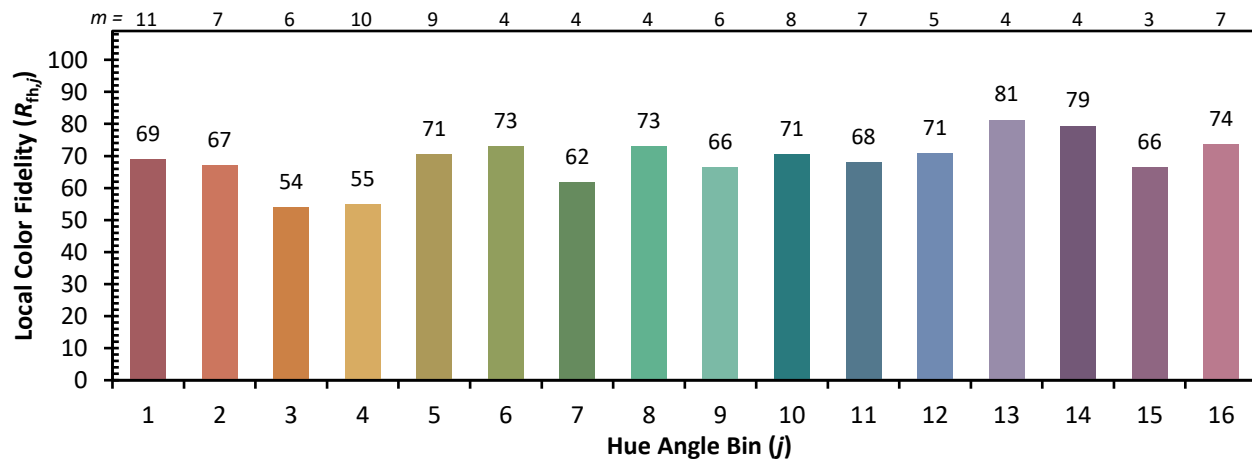
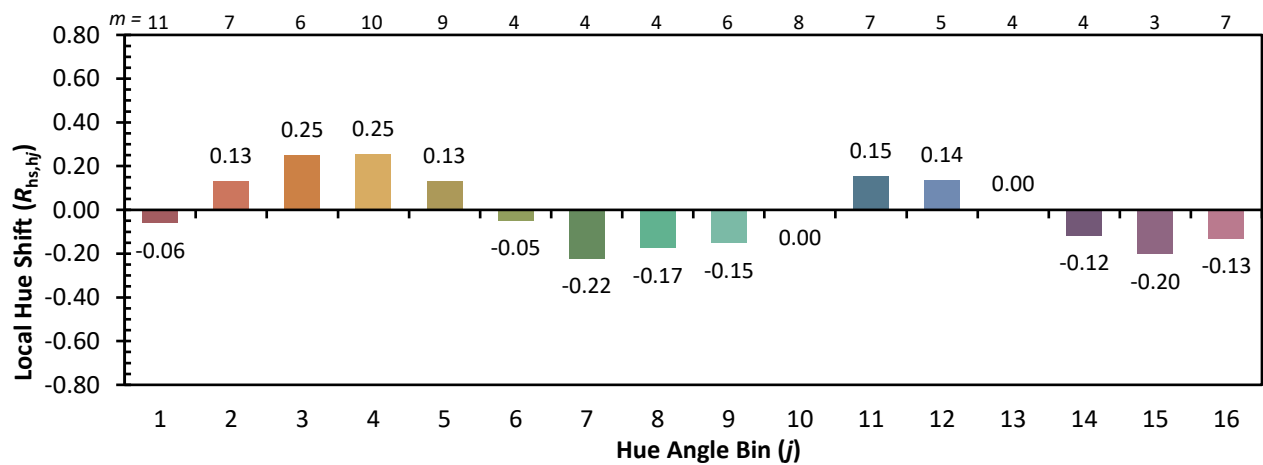
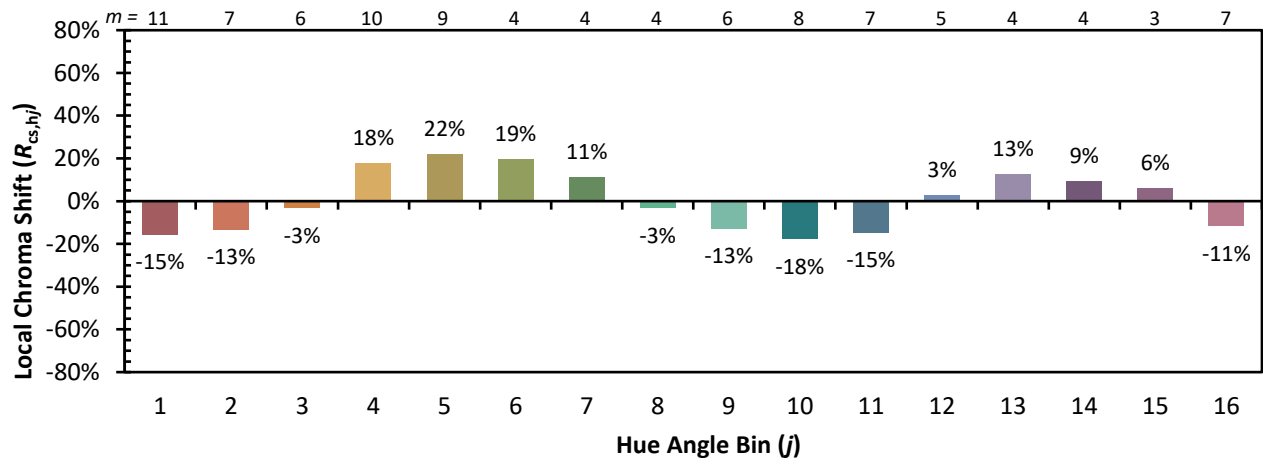
Color Vector Graphics



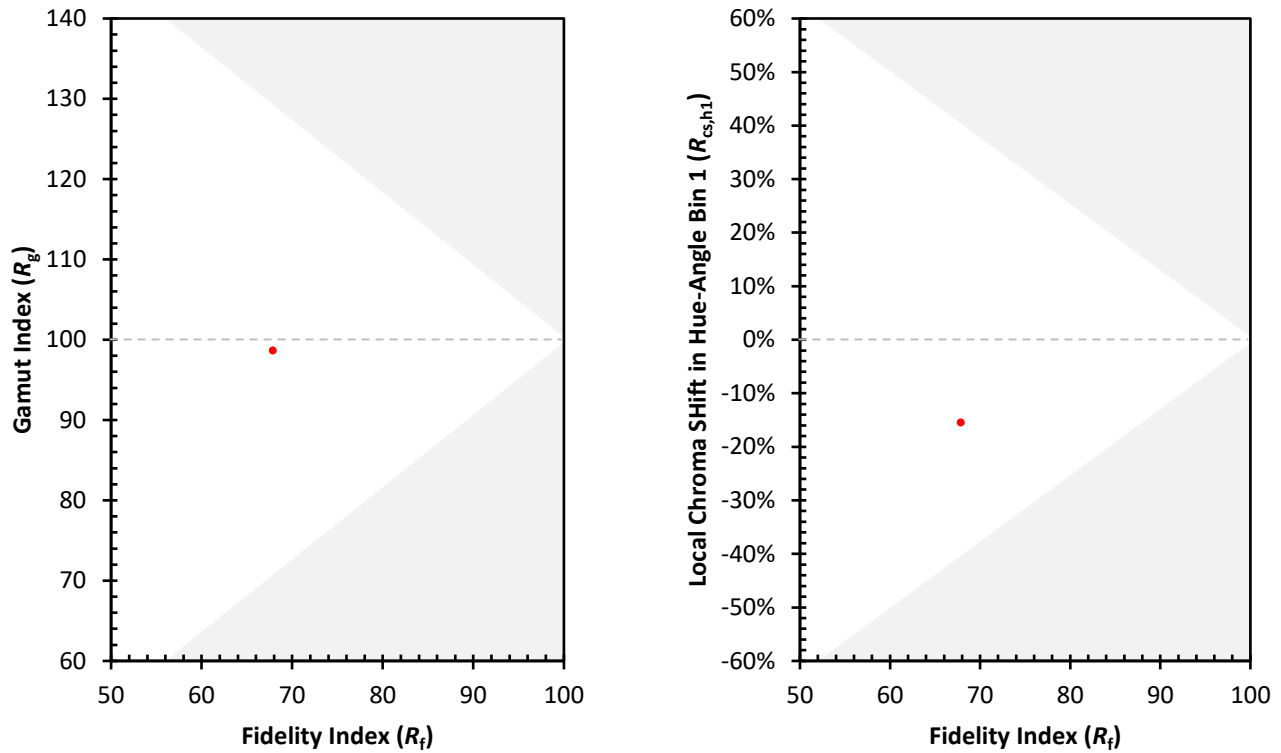
Individual Sample Fidelity Index (R_{fi})

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)