

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: P1067320

Luminaire Tested: **NAV-SA1D-827-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067320
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1D-827-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4602.7 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 56.5
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

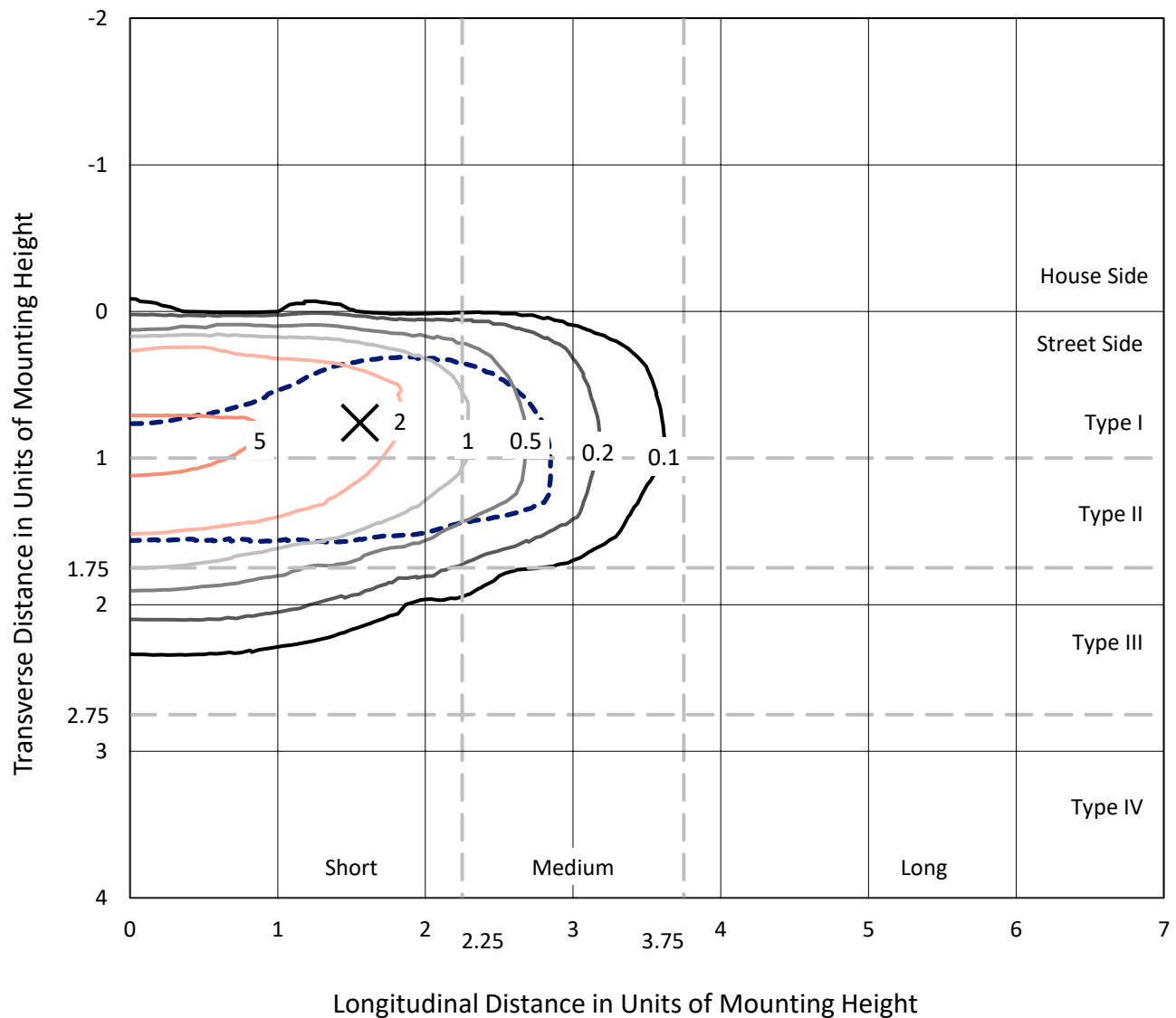


REPORT NUMBER: P1067320

CATALOG NUMBER: NAV-SA1D-827-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

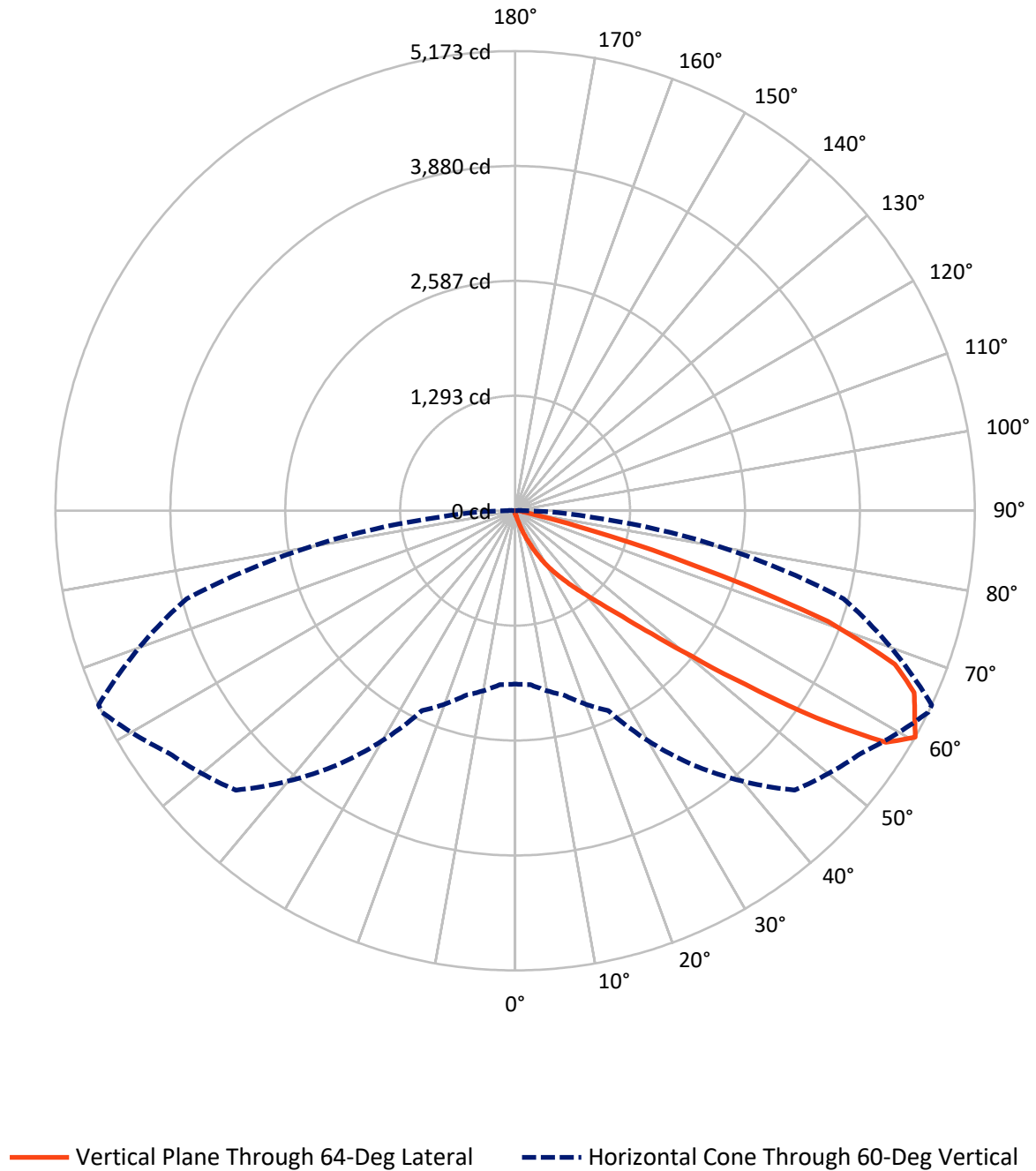


Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - N/A

REPORT NUMBER: P1067320

CATALOG NUMBER: NAV-SA1D-827-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067320

CATALOG NUMBER: NAV-SA1D-827-U-T2BC

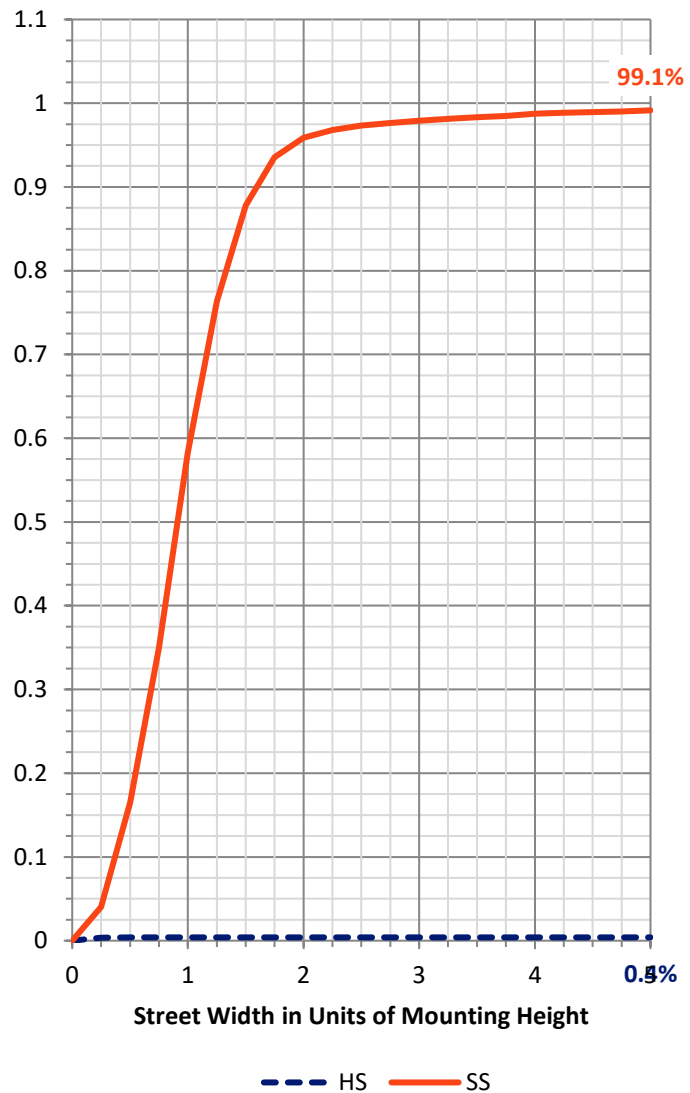
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18.7	0.0	18.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4584.1	0.0	4584.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	4602.7	0.0	4602.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	45.2	1.0
20°-30°	150.2	3.3
30°-40°	400.8	8.7
40°-50°	1018.8	22.1
50°-60°	1485.2	32.3
60°-70°	1147.2	24.9
70°-80°	315.0	6.8
80°-90°	35.6	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°	4602.7	100.0
0°-180°	4602.7	100.0



REPORT NUMBER: P1067320

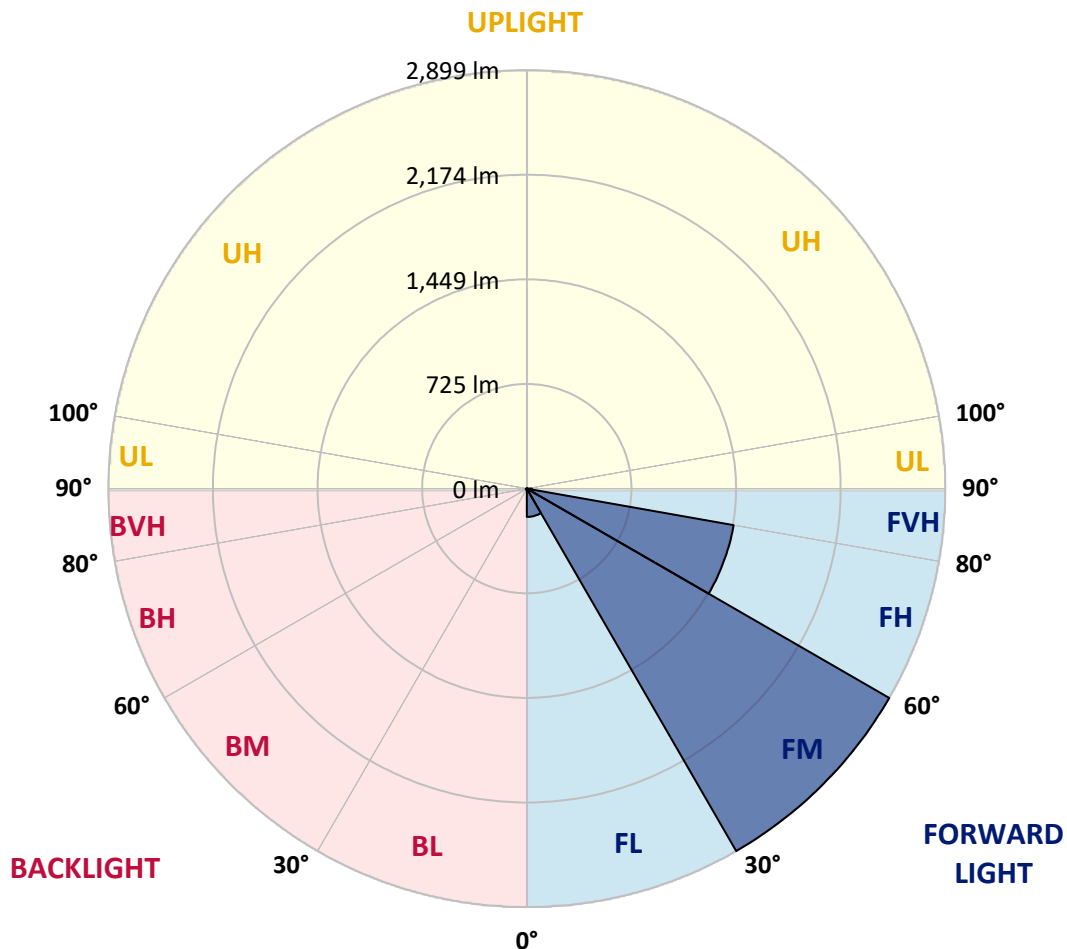
CATALOG NUMBER: NAV-SA1D-827-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.8	4.3			
FM	(30°-60°)	2898.7	63.0			
FH	(60°-80°)	1454.8	31.6			G1/1800
FVH	(80°-90°)	34.7	0.8			G1/100
BL	(0°-30°)	4.2	0.1	B0/110		
BM	(30°-60°)	6.2	0.1	B0/220		
BH	(60°-80°)	7.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G1

Type II Short



REPORT NUMBER: P1067320

CATALOG NUMBER: NAV-SA1D-827-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
2.5°	40.5	40.5	40.5	39.3	38.0	38.0	36.7	35.5	35.5	32.9	31.7
5°	62.1	62.1	59.5	57.0	53.2	48.1	43.1	39.3	39.3	35.5	32.9
7.5°	121.6	125.4	114.0	100.1	81.1	68.4	54.5	45.6	44.3	38.0	32.9
10°	263.5	261.0	243.3	209.1	164.7	119.1	76.0	55.7	53.2	40.5	32.9
12.5°	396.6	400.4	381.4	343.3	290.1	211.6	130.5	72.2	69.7	44.3	32.9
15°	510.6	510.6	497.9	478.9	420.6	338.3	210.3	107.7	98.8	48.1	31.7
17.5°	589.1	587.9	582.8	577.7	543.5	458.6	321.8	172.3	152.0	57.0	31.7
20°	677.8	674.0	680.4	670.2	643.6	576.5	439.6	255.9	236.9	72.2	31.7
22.5°	770.3	774.1	779.2	769.1	739.9	681.6	563.8	363.6	343.3	100.1	32.9
25°	888.1	885.6	897.0	888.1	851.4	783.0	680.4	481.4	452.3	139.4	35.5
27.5°	1032.6	1027.5	1035.1	1012.3	964.2	894.5	784.3	601.8	567.6	200.2	40.5
30°	1223.9	1227.7	1193.5	1166.9	1098.5	1006.0	899.6	731.0	695.6	272.4	45.6
32.5°	1525.4	1498.8	1445.6	1337.9	1248.0	1130.1	1014.8	843.8	812.1	364.9	53.2
35°	1995.5	2000.5	1884.0	1617.9	1422.8	1286.0	1141.5	968.0	945.2	470.0	63.3
37.5°	2568.2	2554.2	2451.6	2115.8	1678.7	1479.8	1286.0	1103.5	1070.6	584.1	76.0
40°	3216.8	3158.6	3099.0	2871.0	2212.1	1723.1	1468.4	1260.6	1235.3	715.8	96.3
42.5°	3736.3	3721.1	3731.2	3636.2	3101.5	2137.4	1710.4	1453.2	1422.8	879.3	131.8
45°	3992.2	3970.7	4031.5	4102.5	3965.6	3019.2	2100.6	1699.0	1658.5	1071.9	186.2
47.5°	3923.8	3908.6	4039.1	4178.5	4360.9	4041.6	2737.9	2066.4	1996.7	1318.9	267.3
50°	3586.8	3588.1	3802.2	4061.9	4350.8	4559.8	3681.8	2569.4	2482.0	1647.1	394.0
52.5°	3258.7	3268.8	3495.6	3874.4	4200.0	4620.6	4510.4	3247.2	3105.3	2033.5	543.5
55°	2921.6	2926.7	3126.9	3660.3	4129.1	4439.5	4936.1	4120.2	3969.4	2514.9	689.2
57.5°	2597.3	2597.3	2672.0	3145.9	4051.8	4423.0	4885.4	4918.4	4795.5	3064.8	796.9
60°	1951.1	1963.8	2150.1	2482.0	3494.3	4447.1	4756.2	5173.0	5173.0	3827.5	879.3
62.5°	985.7	1004.7	1236.6	1559.6	2397.1	4115.1	4776.5	5045.1	5065.4	4500.3	1066.8
65°	462.4	484.0	608.1	836.2	1289.8	2896.3	4566.2	4936.1	4929.8	4372.3	1462.1
67.5°	331.9	338.3	380.1	487.8	694.3	1269.5	3485.4	4610.5	4613.0	3714.8	1681.3
70°	297.7	297.7	307.9	339.5	418.1	567.6	1693.9	3733.8	3914.9	2868.4	1558.4
72.5°	293.9	291.4	288.9	290.1	282.5	285.1	581.5	2108.2	2366.7	2006.9	1242.9
75°	286.3	286.3	283.8	274.9	225.5	183.7	200.2	852.7	985.7	1340.5	922.4
77.5°	226.8	249.6	276.2	259.7	206.5	138.1	116.6	247.1	311.7	822.3	669.0
80°	105.2	106.4	105.2	110.2	131.8	98.8	86.2	120.4	121.6	456.1	414.3
82.5°	76.0	77.3	73.5	65.9	58.3	53.2	71.0	88.7	95.0	209.1	154.6
85°	22.8	21.5	25.3	34.2	40.5	46.9	59.5	74.8	78.6	77.3	22.8
87.5°	10.1	10.1	12.7	17.7	24.1	35.5	51.9	68.4	69.7	79.8	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

REPORT NUMBER: P1067320

CATALOG NUMBER: NAV-SA1D-827-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
2.5°	31.7	30.4	29.1	27.9	26.6	25.3	24.1	24.1	25.3	25.3	25.3
5°	30.4	29.1	26.6	24.1	22.8	21.5	20.3	20.3	21.5	21.5	21.5
7.5°	30.4	27.9	25.3	22.8	20.3	19.0	17.7	17.7	17.7	19.0	19.0
10°	30.4	27.9	24.1	20.3	17.7	16.5	15.2	13.9	15.2	15.2	15.2
12.5°	29.1	26.6	22.8	19.0	15.2	12.7	11.4	11.4	11.4	11.4	11.4
15°	27.9	25.3	21.5	16.5	12.7	10.1	7.6	7.6	7.6	8.9	8.9
17.5°	26.6	24.1	19.0	12.7	8.9	6.3	5.1	5.1	5.1	6.3	6.3
20°	26.6	22.8	16.5	10.1	6.3	3.8	2.5	2.5	2.5	3.8	5.1
22.5°	26.6	22.8	15.2	7.6	3.8	2.5	1.3	1.3	1.3	1.3	1.3
25°	26.6	21.5	13.9	6.3	2.5	1.3	0.0	0.0	1.3	2.5	3.8
27.5°	26.6	20.3	11.4	3.8	2.5	1.3	0.0	1.3	2.5	2.5	2.5
30°	26.6	20.3	10.1	3.8	1.3	0.0	0.0	1.3	2.5	2.5	3.8
32.5°	27.9	19.0	8.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	29.1	17.7	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	31.7	17.7	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	35.5	19.0	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	44.3	20.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	62.1	25.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	91.2	38.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	133.0	51.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	163.4	51.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	162.2	32.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	124.2	22.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	105.2	16.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	126.7	12.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	225.5	11.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	362.4	11.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	405.4	11.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	316.7	10.1	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	173.6	8.9	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	87.4	6.3	2.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	36.7	5.1	2.5	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
82.5°	12.7	5.1	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0
85°	6.3	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	2.5	2.5	1.3	1.3	0.0	0.0	0.0	1.3
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

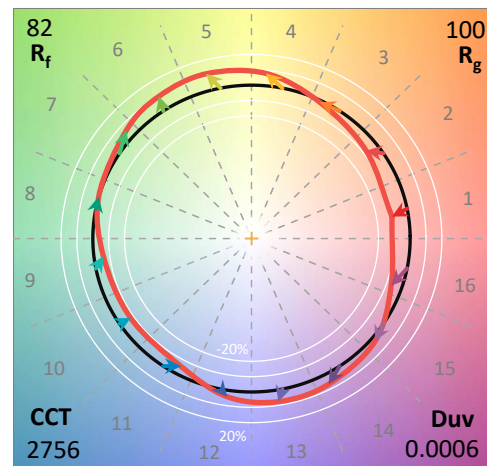
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 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-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

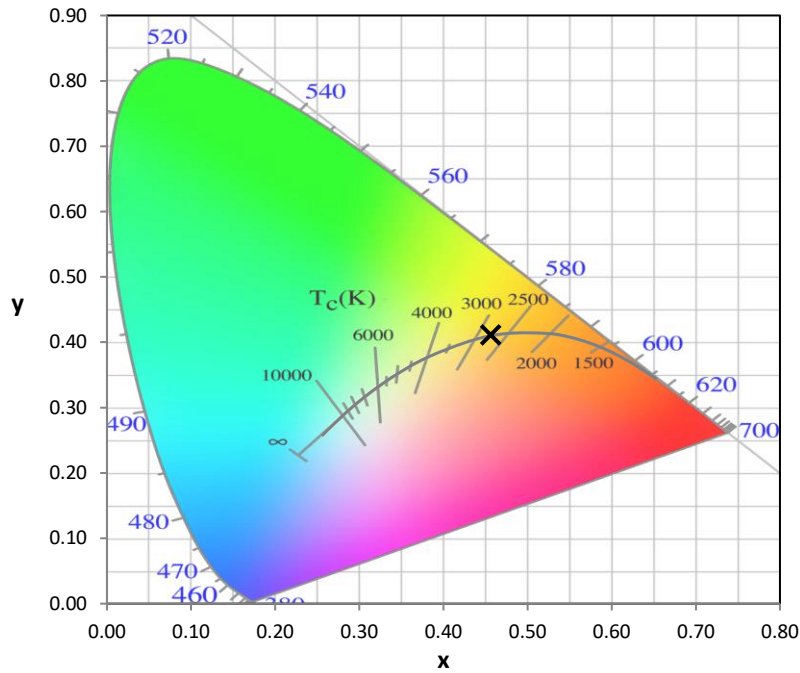
Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-8

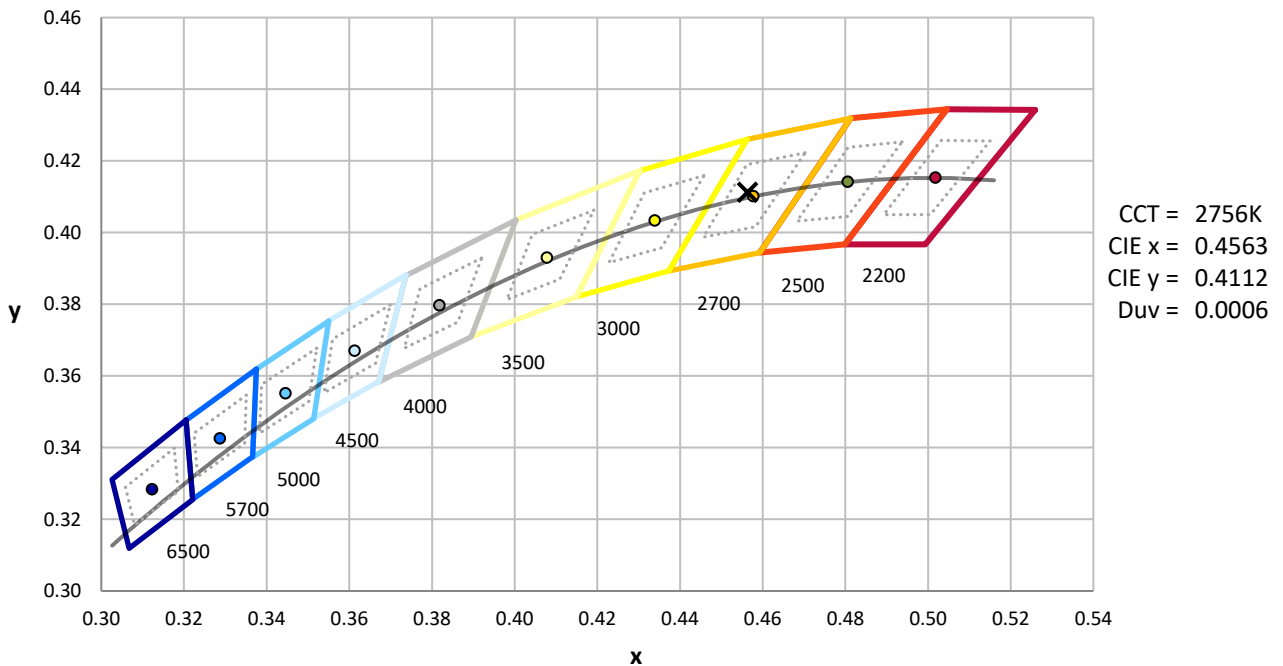
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram

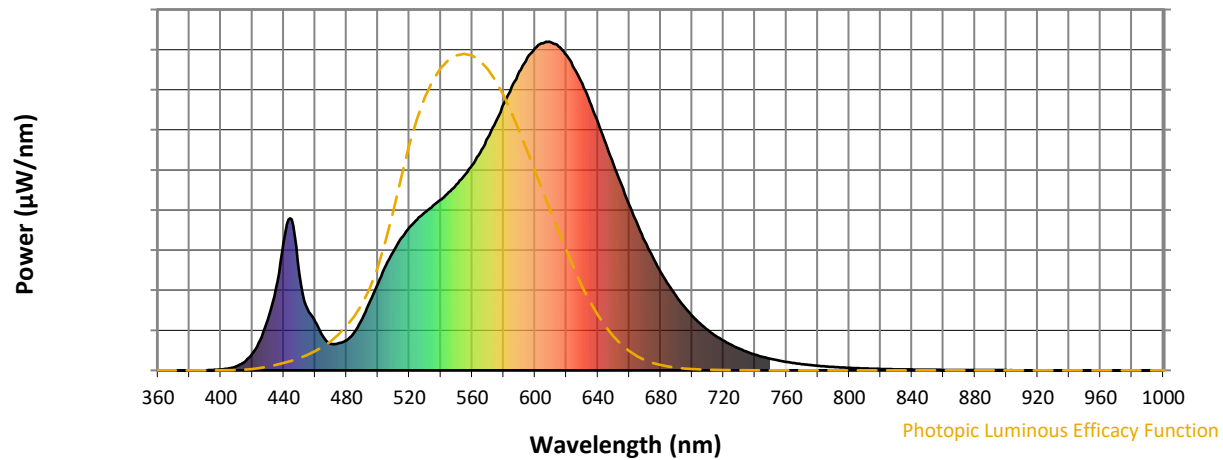


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

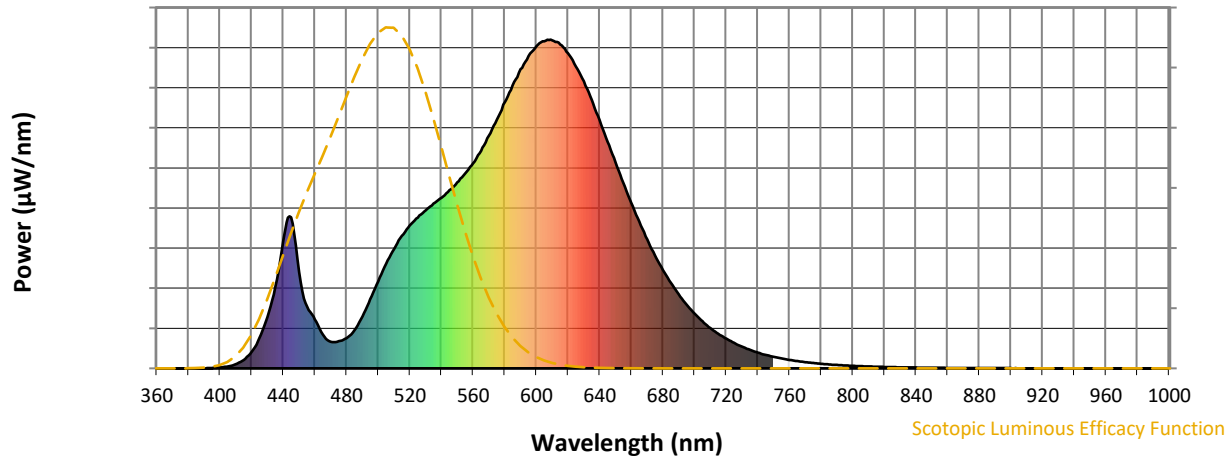


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength



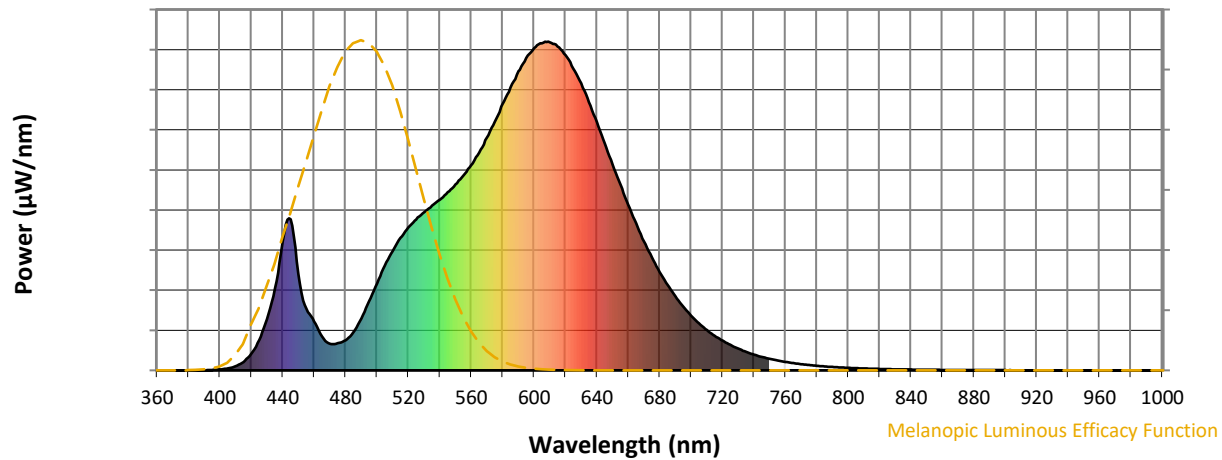
Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.16

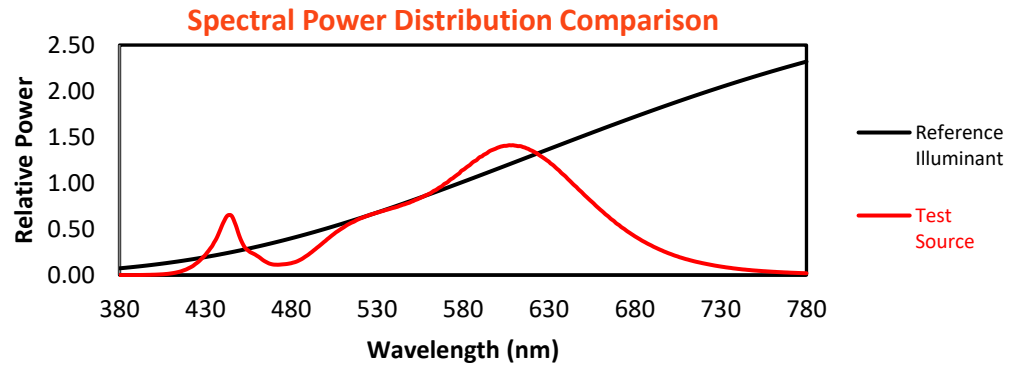
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

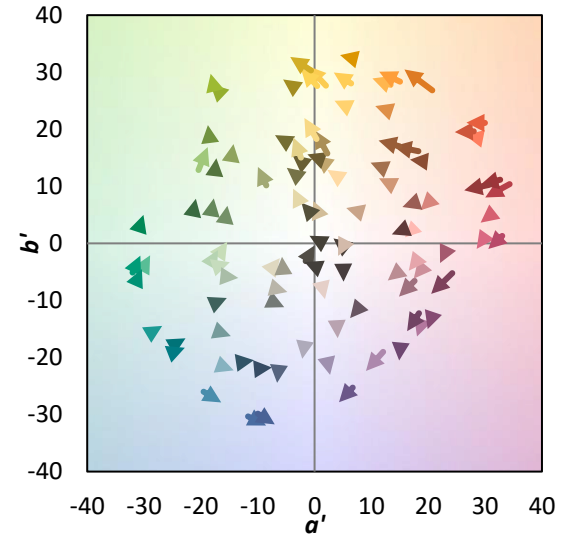
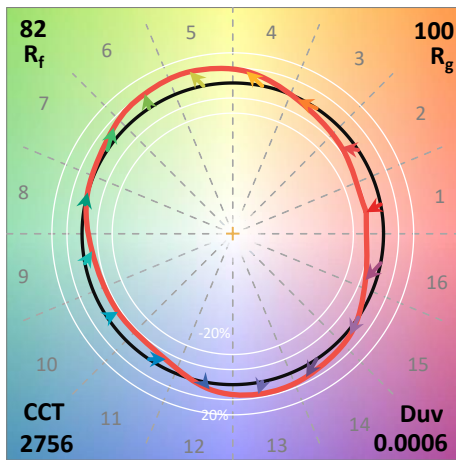
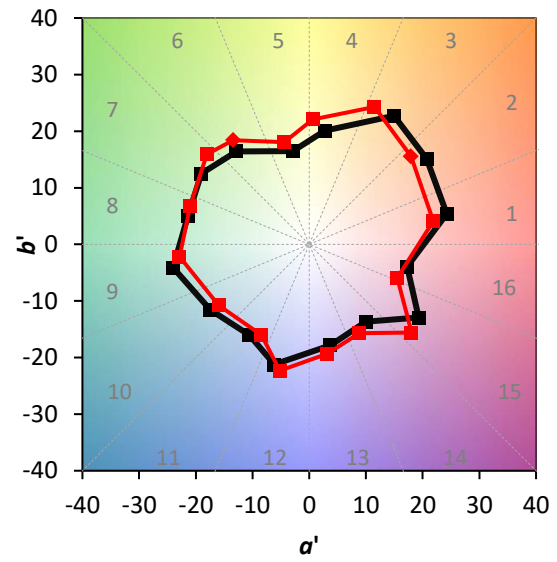
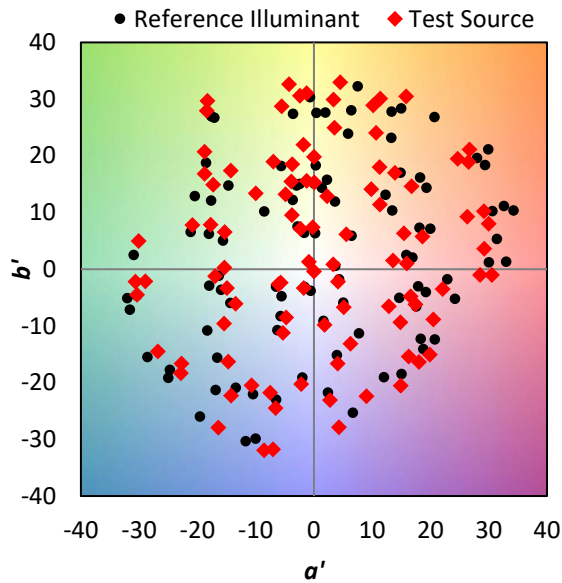
TM-30-18

Summary

$R_f = 82.2$
 $R_g = 99.9$
 $CIE R_a = 82.9$
 $R_9 = 10.8$

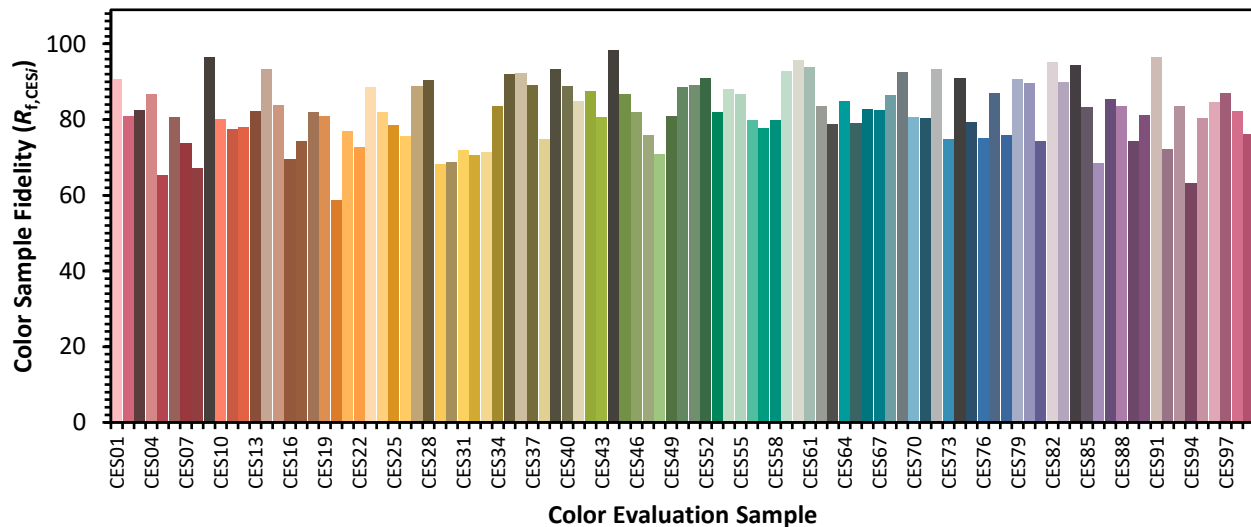


Color Vector Graphics

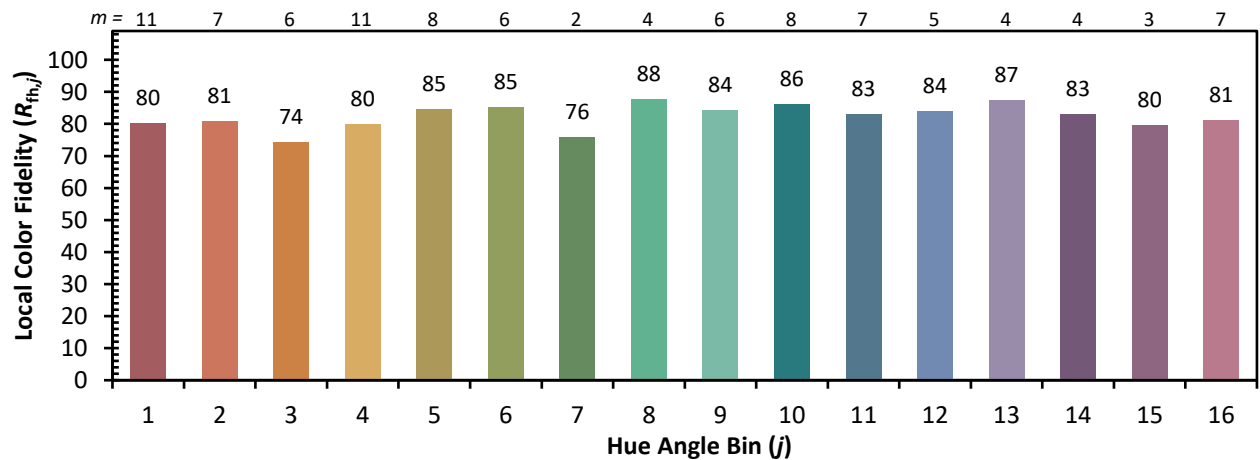
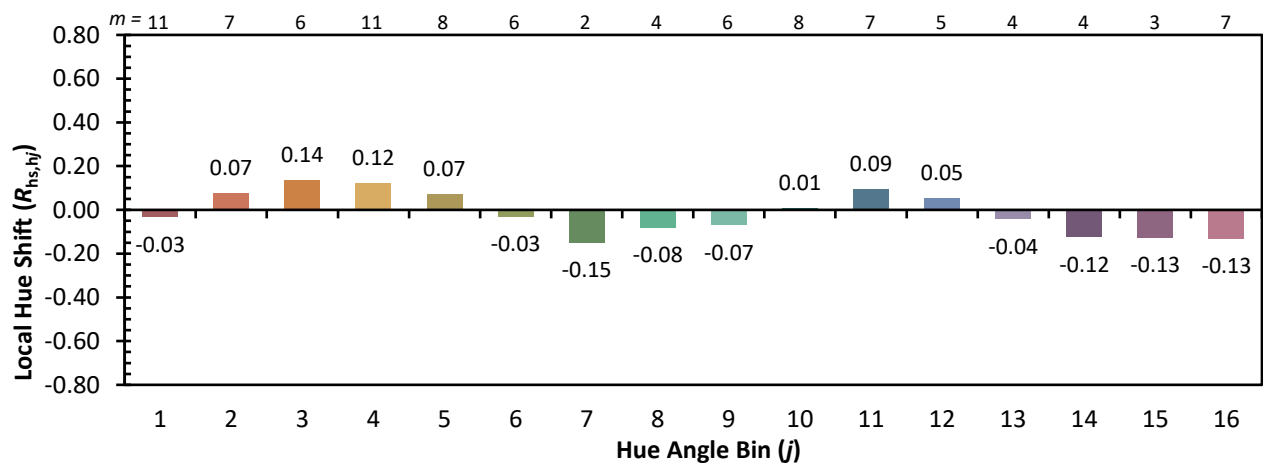
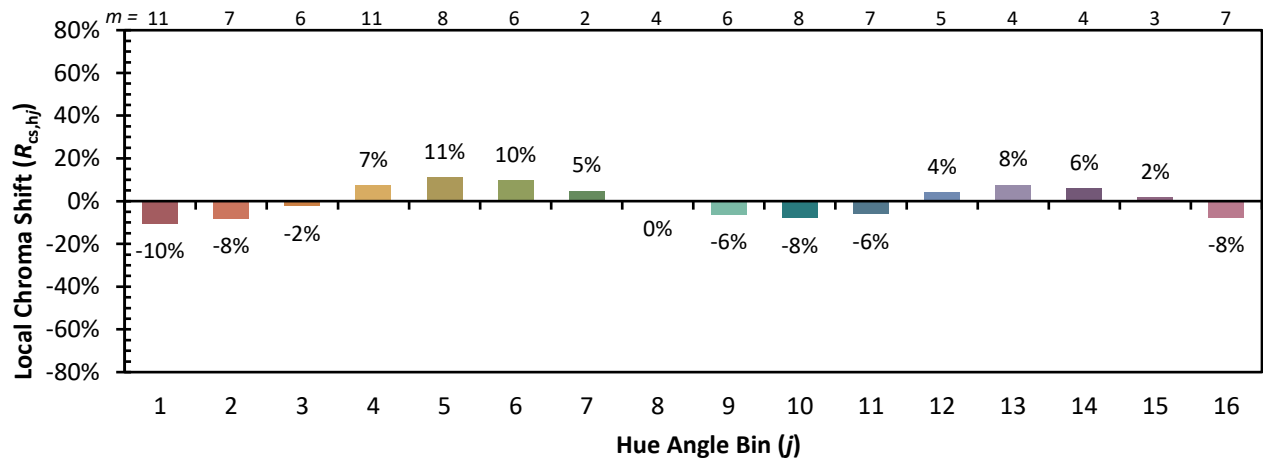


Individual Sample Fidelity Index ($R_{f,i}$)

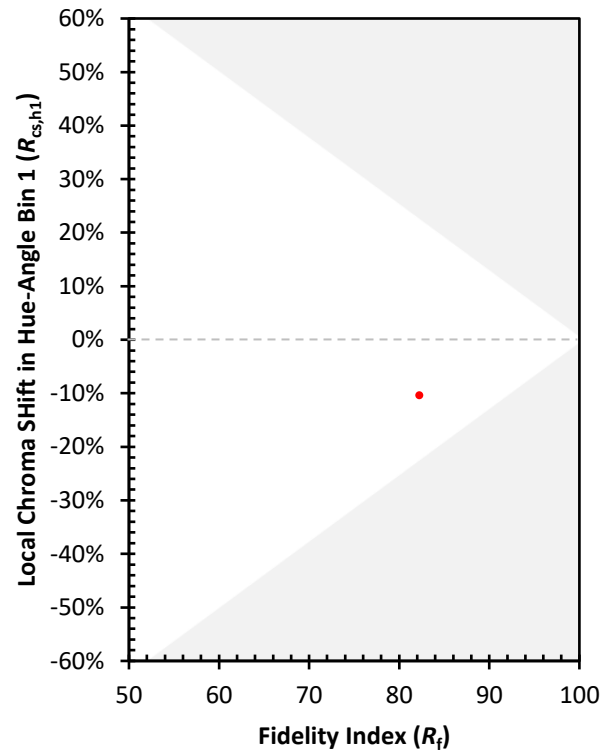
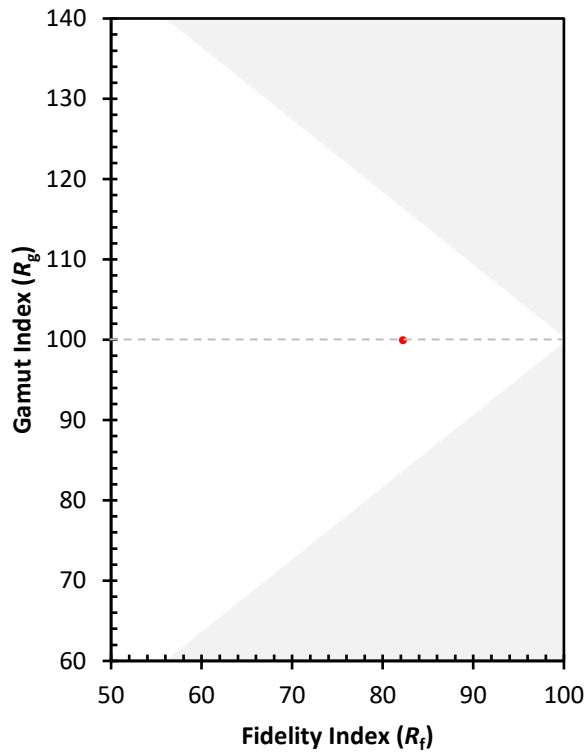
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)