

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: STREETWORKS

Report Number: P1066387

Luminaire Tested: **NVN-SA2C-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066387
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA2C-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 2xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8871.6 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 96.2
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

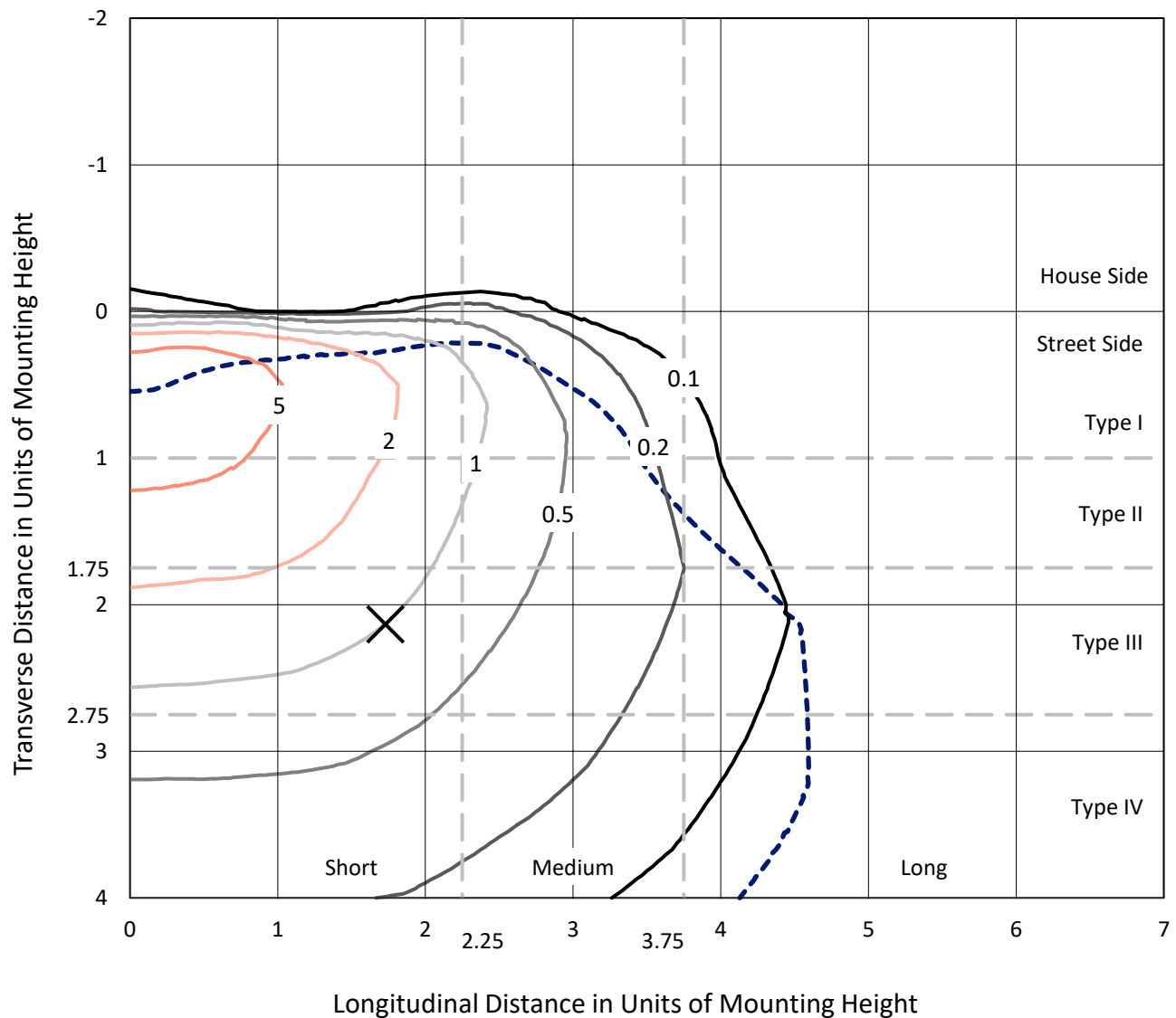


REPORT NUMBER: P1066387

CATALOG NUMBER: NVN-SA2C-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

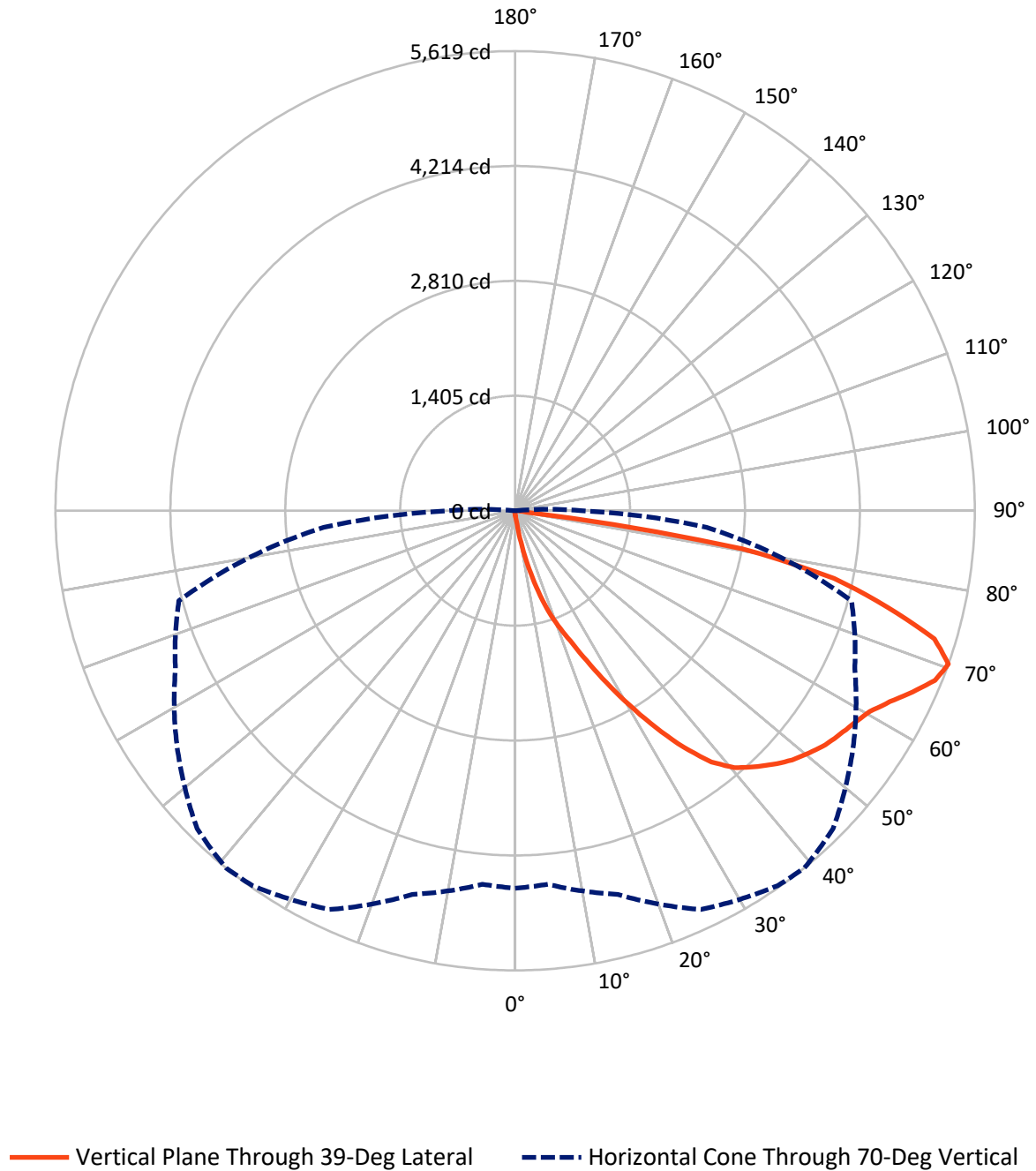


Based on 15 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1066387

CATALOG NUMBER: NVN-SA2C-830-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1066387

CATALOG NUMBER: NVN-SA2C-830-U-T4BC

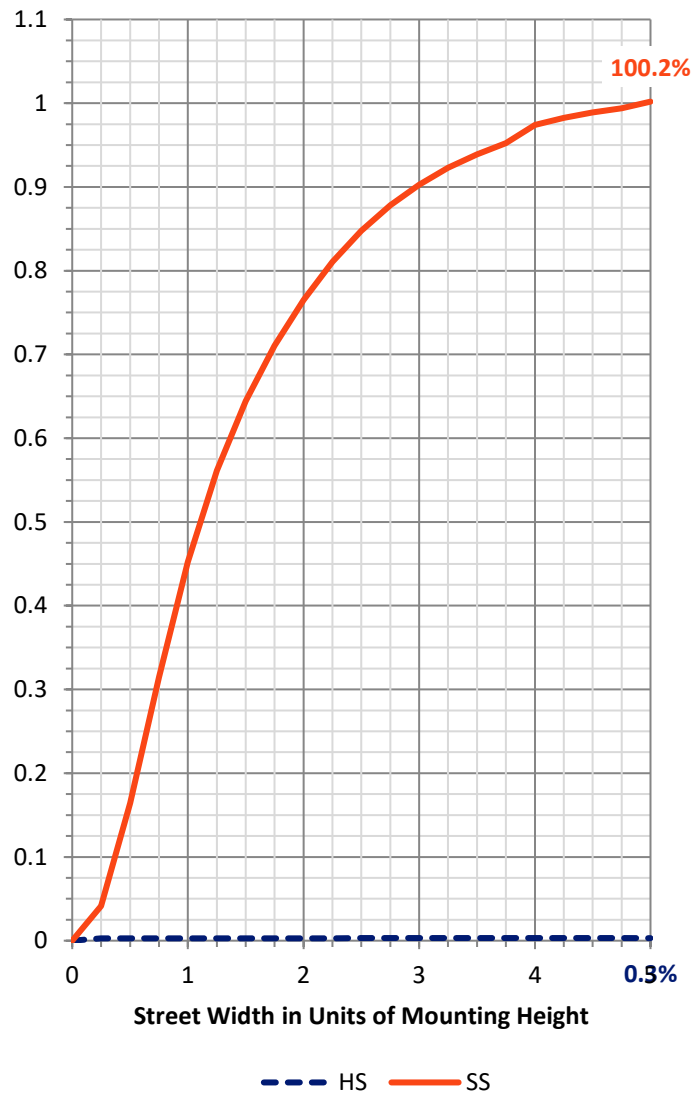
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.3	0.0	27.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	8844.3	0.0	8844.3
	% Fixture	99.7	0.0	99.7
Total	Lumens	8871.6	0.0	8871.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	109.1	1.2
20°-30°	370.1	4.2
30°-40°	869.8	9.8
40°-50°	1412.4	15.9
50°-60°	1789.8	20.2
60°-70°	2273.6	25.6
70°-80°	1847.3	20.8
80°-90°	190.2	2.1
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°	8871.6	100.0
0°-180°	8871.6	100.0



REPORT NUMBER: P1066387

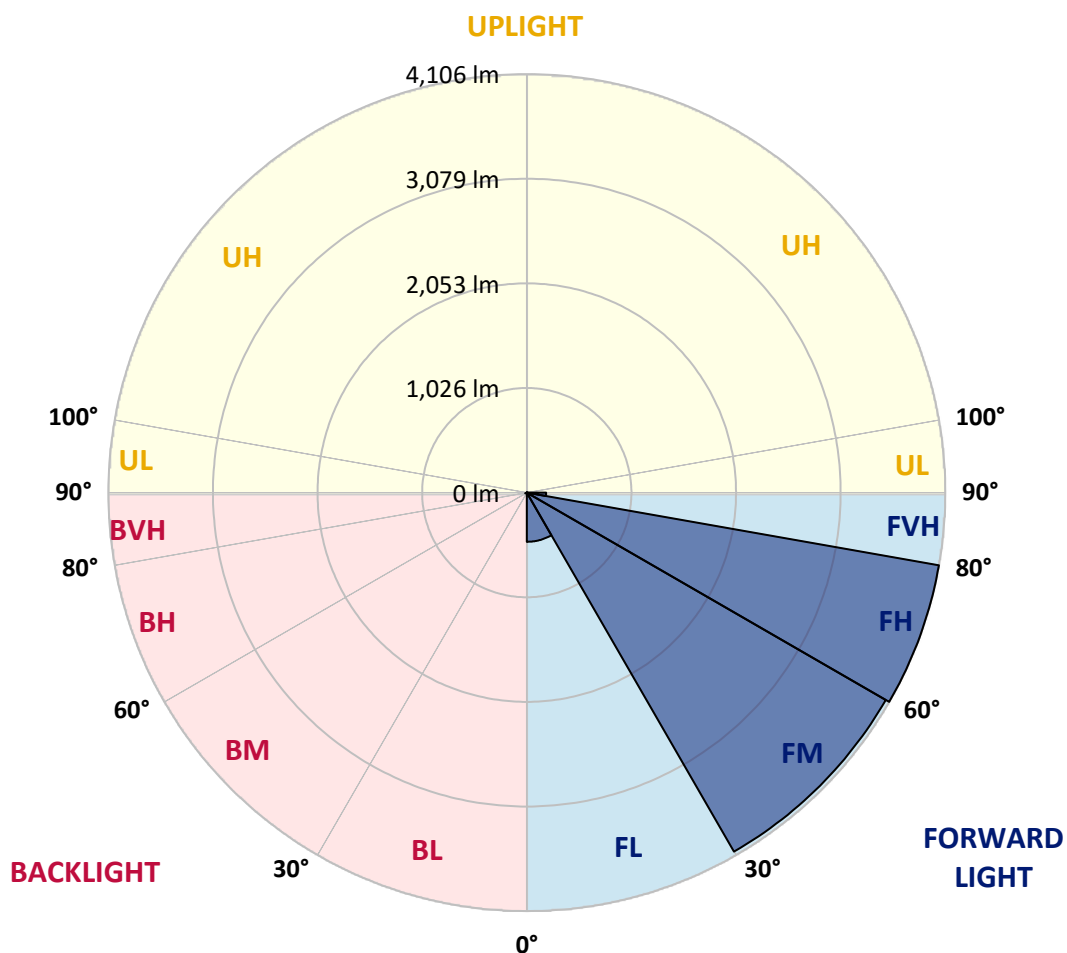
CATALOG NUMBER: NVN-SA2C-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	482.6	5.4			
FM	(30°-60°)	4066.8	45.8			
FH	(60°-80°)	4105.8	46.3			G2/5000
FVH	(80°-90°)	189.1	2.1			G2/225
BL	(0°-30°)	5.9	0.1	B0/110		
BM	(30°-60°)	5.3	0.1	B0/220		
BH	(60°-80°)	15.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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-G2

Type IV Short



REPORT NUMBER: P1066387

CATALOG NUMBER: NVN-SA2C-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	62.6	62.6	62.6	60.2	60.2	57.8	57.8	55.4	53.0	53.0	50.6
5°	118.0	120.4	113.2	98.8	89.1	84.3	79.5	67.4	60.2	55.4	50.6
7.5°	322.8	313.1	298.7	250.5	192.7	163.8	139.7	98.8	72.3	57.8	50.6
10°	679.2	652.7	611.8	546.8	433.6	387.8	301.1	180.6	101.2	65.0	50.6
12.5°	997.2	1002.0	951.4	888.8	751.5	674.4	556.4	339.6	159.0	77.1	50.6
15°	1238.0	1233.2	1213.9	1163.4	1040.5	965.9	859.9	570.8	267.4	96.3	53.0
17.5°	1428.3	1409.0	1401.8	1380.1	1300.7	1259.7	1144.1	840.6	423.9	130.1	55.4
20°	1618.6	1613.8	1606.6	1582.5	1529.5	1500.6	1411.5	1112.8	631.1	185.5	60.2
22.5°	1895.6	1869.1	1873.9	1820.9	1777.6	1727.0	1654.7	1401.8	869.5	264.9	67.4
25°	2220.7	2218.3	2179.8	2155.7	2083.5	2028.1	1931.7	1681.2	1134.5	383.0	74.7
27.5°	2603.7	2577.2	2560.4	2519.4	2444.8	2382.1	2249.7	1958.2	1421.1	515.4	84.3
30°	3003.6	3003.6	2972.2	2909.6	2837.4	2760.3	2625.4	2249.7	1705.3	684.0	96.3
32.5°	3470.8	3480.5	3403.4	3309.4	3215.5	3162.5	2986.7	2579.6	1977.5	876.7	110.8
35°	3923.6	3911.6	3783.9	3680.4	3610.5	3552.7	3403.4	2940.9	2285.8	1100.7	130.1
37.5°	4357.2	4325.9	4113.9	3967.0	3935.7	3897.1	3747.8	3302.2	2591.7	1348.8	154.2
40°	4667.9	4619.7	4400.6	4198.2	4152.5	4130.8	4015.2	3629.8	2914.4	1625.8	185.5
42.5°	4802.8	4747.4	4595.7	4431.9	4330.7	4280.1	4179.0	3897.1	3237.2	1934.1	231.2
45°	4829.3	4785.9	4677.5	4639.0	4501.7	4424.6	4287.3	4087.4	3538.3	2240.0	293.9
47.5°	4732.9	4713.7	4648.6	4730.5	4660.7	4554.7	4388.5	4229.5	3805.6	2610.9	380.6
50°	4496.9	4482.4	4513.8	4728.1	4776.3	4655.9	4499.3	4340.3	4036.8	2993.9	503.4
52.5°	4179.0	4176.5	4323.5	4665.5	4826.9	4752.2	4607.7	4451.1	4219.9	3364.8	676.8
55°	3832.1	3873.1	4130.8	4607.7	4855.8	4822.1	4713.7	4549.9	4383.7	3709.3	956.2
57.5°	3803.2	3786.4	4034.4	4583.6	4872.6	4891.9	4819.7	4653.5	4523.4	3991.1	1329.6
60°	4092.2	4053.7	4147.6	4634.2	4947.3	4981.0	4925.6	4732.9	4663.1	4212.7	1820.9
62.5°	4427.0	4390.9	4439.1	4829.3	5094.2	5142.4	5072.6	4814.8	4776.3	4366.8	2348.4
65°	4694.4	4665.5	4757.0	5120.7	5299.0	5339.9	5291.7	4966.6	4826.9	4492.1	2777.1
67.5°	4737.8	4701.6	4891.9	5315.8	5506.1	5535.0	5496.5	5113.5	4810.0	4501.7	2875.9
70°	4614.9	4583.6	4855.8	5378.5	5595.2	5619.3	5496.5	5043.7	4581.2	4256.0	2350.8
72.5°	4236.8	4260.9	4612.5	5226.7	5472.4	5361.6	5101.5	4692.0	4284.9	3608.1	1649.9
75°	3649.1	3675.6	4142.8	4810.0	4829.3	4694.4	4554.7	4316.2	3834.5	2377.3	1144.1
77.5°	2594.1	2500.1	3198.6	3971.8	3902.0	3988.7	4000.7	3591.3	3210.7	1238.0	765.9
80°	255.3	216.8	402.2	1139.3	2517.0	2813.3	2928.9	2767.5	2367.7	554.0	402.2
82.5°	55.4	55.4	60.2	65.0	101.2	151.7	696.1	1705.3	1529.5	281.8	130.1
85°	31.3	31.3	38.5	45.8	60.2	67.4	79.5	106.0	411.9	101.2	24.1
87.5°	24.1	26.5	31.3	38.5	50.6	55.4	67.4	84.3	103.6	93.9	7.2
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: P1066387

CATALOG NUMBER: NVN-SA2C-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	50.6	48.2	45.8	43.4	40.9	40.9	38.5	38.5	38.5	38.5	38.5
5°	48.2	45.8	43.4	38.5	36.1	33.7	31.3	31.3	31.3	31.3	31.3
7.5°	48.2	45.8	40.9	36.1	31.3	28.9	26.5	24.1	24.1	26.5	26.5
10°	48.2	43.4	36.1	31.3	26.5	24.1	21.7	19.3	19.3	19.3	19.3
12.5°	45.8	40.9	33.7	28.9	24.1	19.3	14.5	12.0	12.0	12.0	12.0
15°	43.4	38.5	31.3	24.1	16.9	12.0	9.6	7.2	7.2	7.2	7.2
17.5°	43.4	36.1	28.9	21.7	12.0	7.2	4.8	2.4	2.4	2.4	4.8
20°	43.4	36.1	26.5	16.9	7.2	4.8	4.8	2.4	0.0	2.4	2.4
22.5°	43.4	33.7	21.7	12.0	7.2	4.8	2.4	0.0	0.0	0.0	0.0
25°	45.8	33.7	19.3	9.6	4.8	2.4	0.0	0.0	0.0	0.0	0.0
27.5°	45.8	31.3	16.9	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	48.2	31.3	14.5	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	48.2	28.9	9.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	48.2	26.5	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	48.2	24.1	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	50.6	21.7	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	53.0	19.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	55.4	16.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	62.6	16.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	72.3	16.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	86.7	16.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	113.2	14.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	163.8	14.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	274.6	14.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	481.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	814.1	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1062.2	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	806.9	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	385.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	171.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	74.7	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.9	4.8	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0
82.5°	12.0	4.8	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0
85°	7.2	4.8	4.8	4.8	2.4	2.4	2.4	0.0	0.0	0.0	0.0
87.5°	4.8	4.8	4.8	4.8	4.8	2.4	2.4	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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

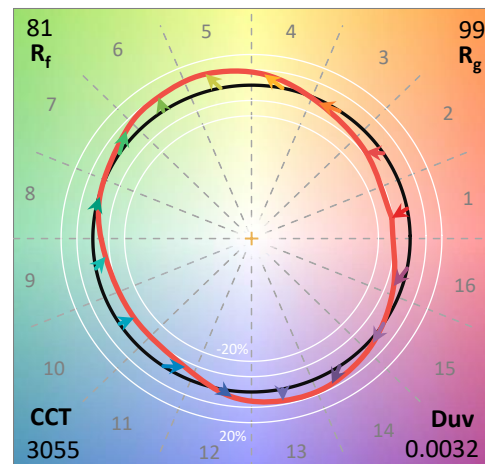
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

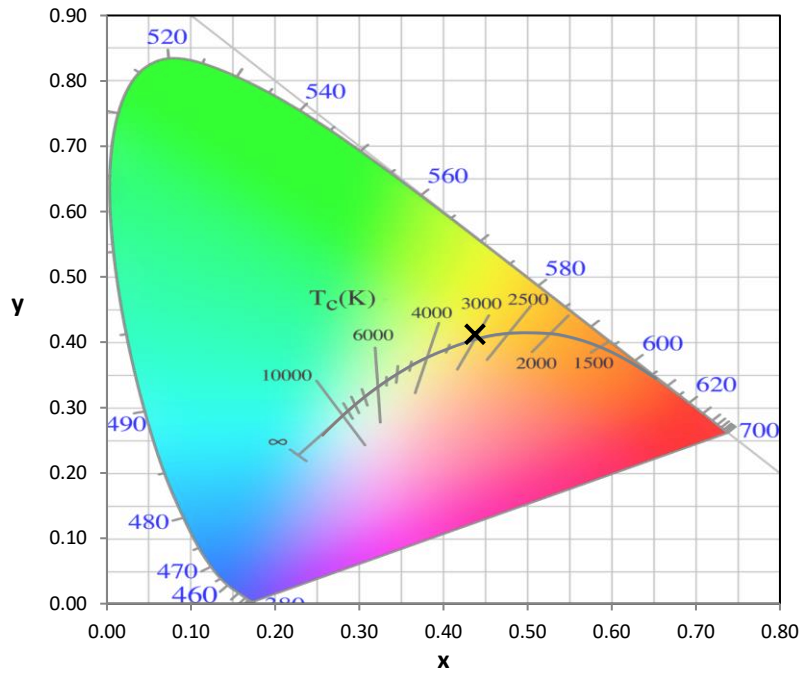
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

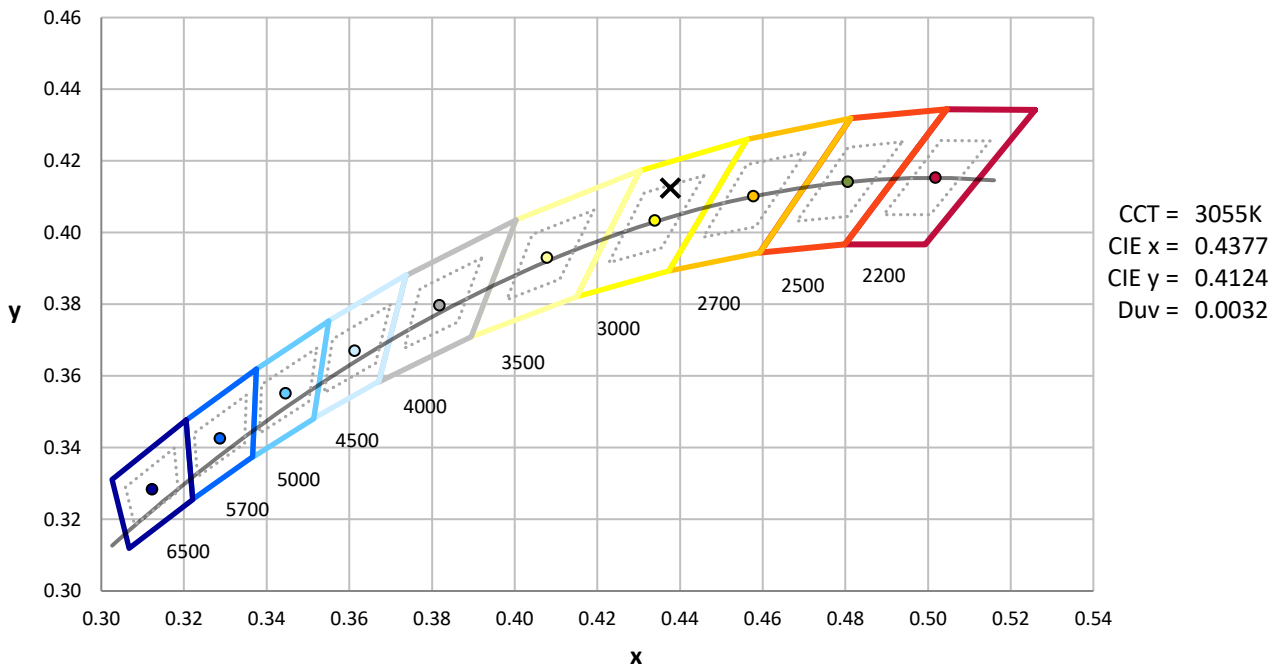
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



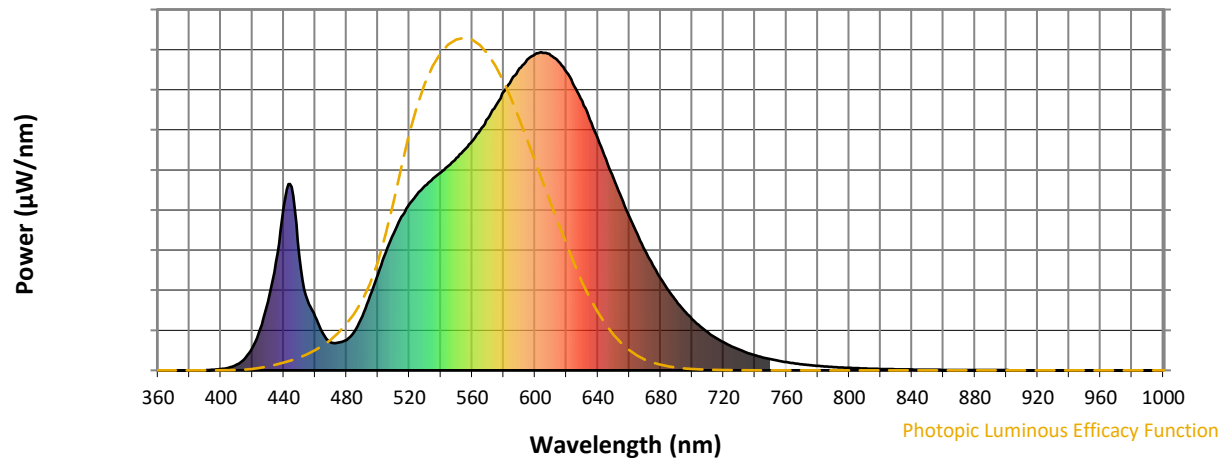
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

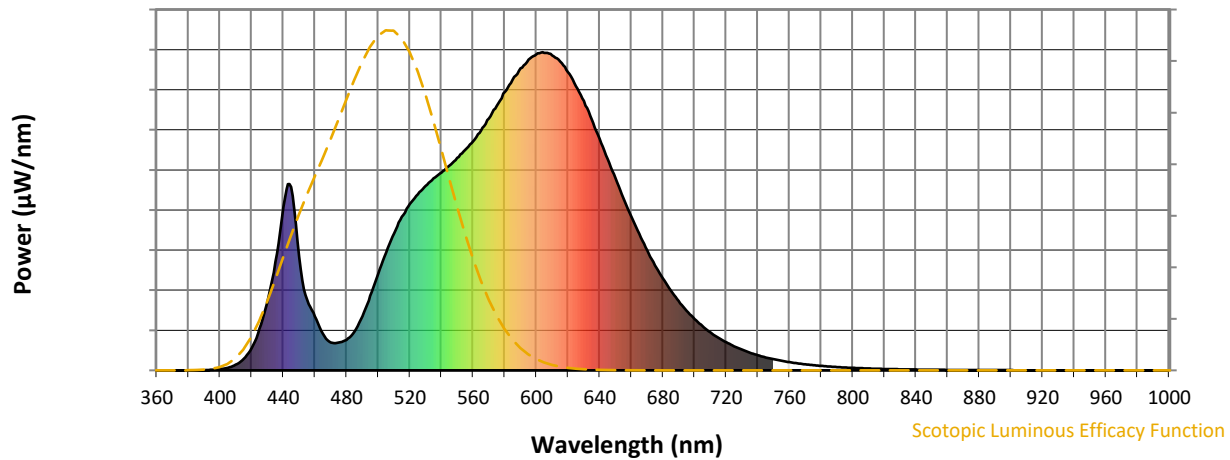


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



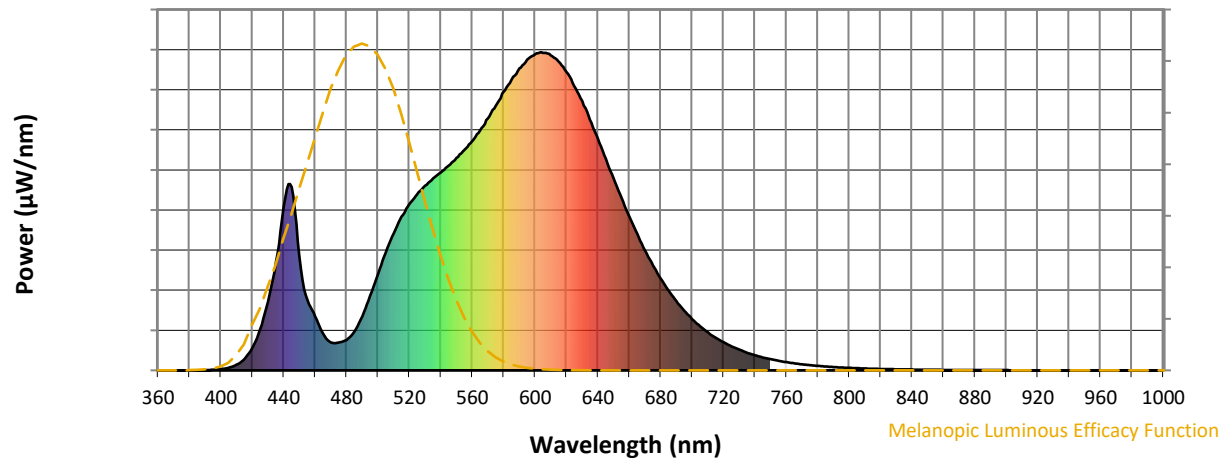
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

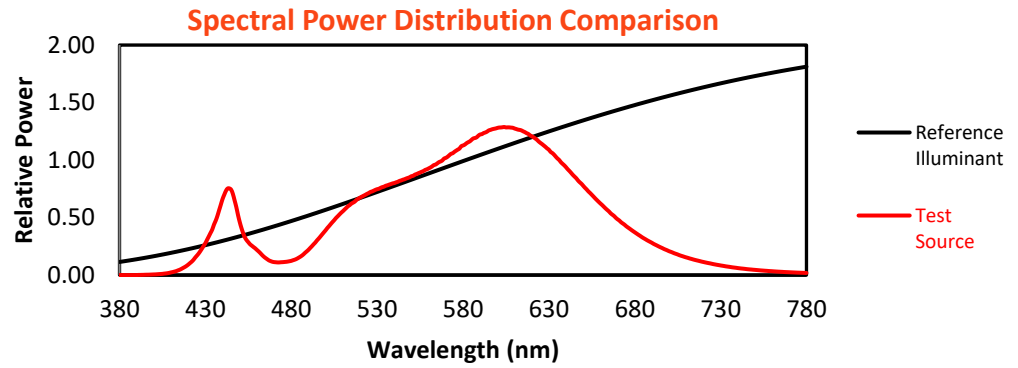
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

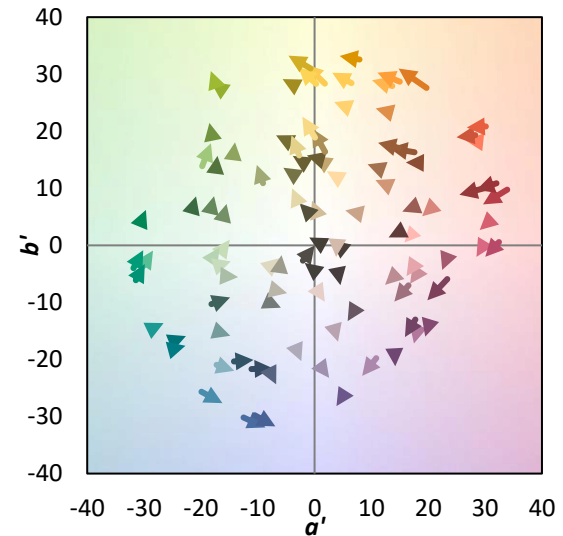
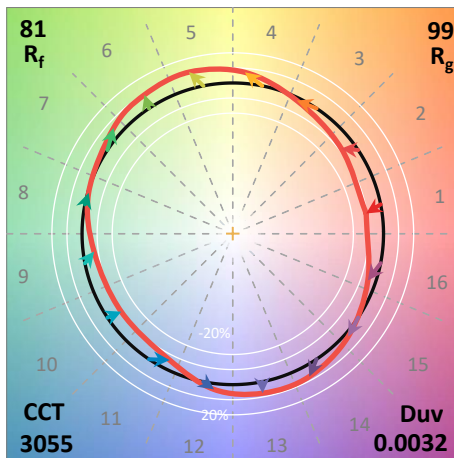
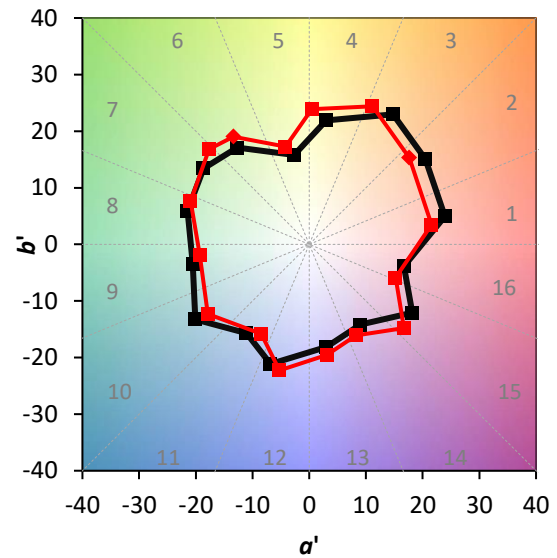
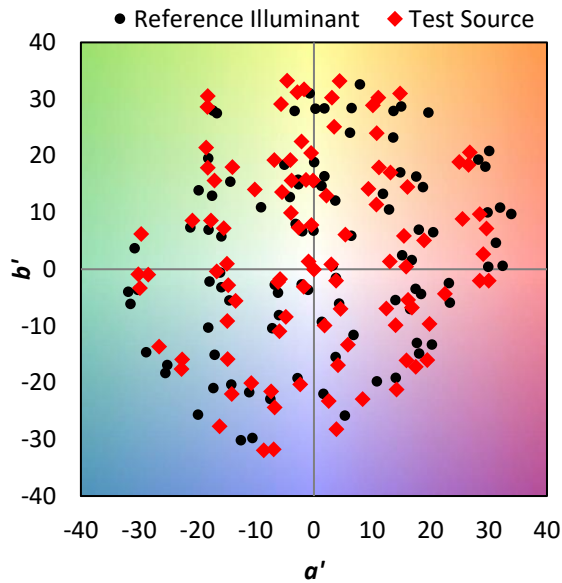
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

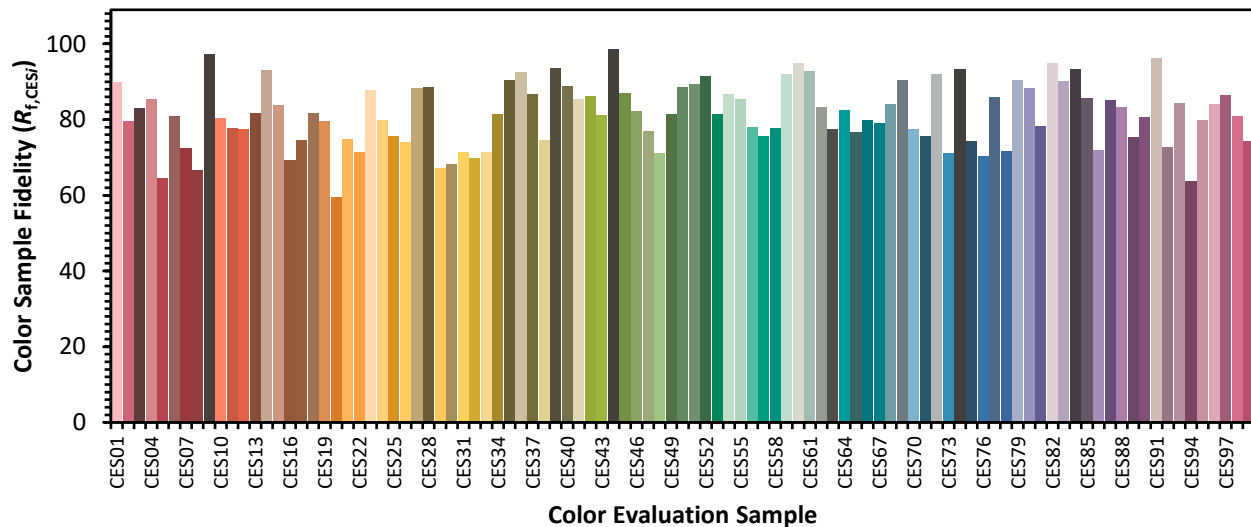


Color Vector Graphics

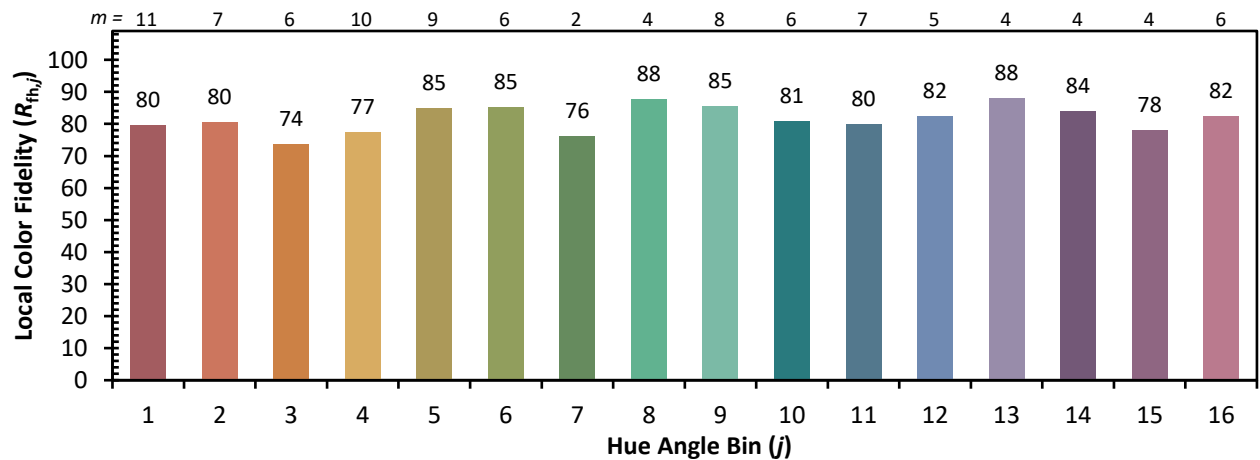
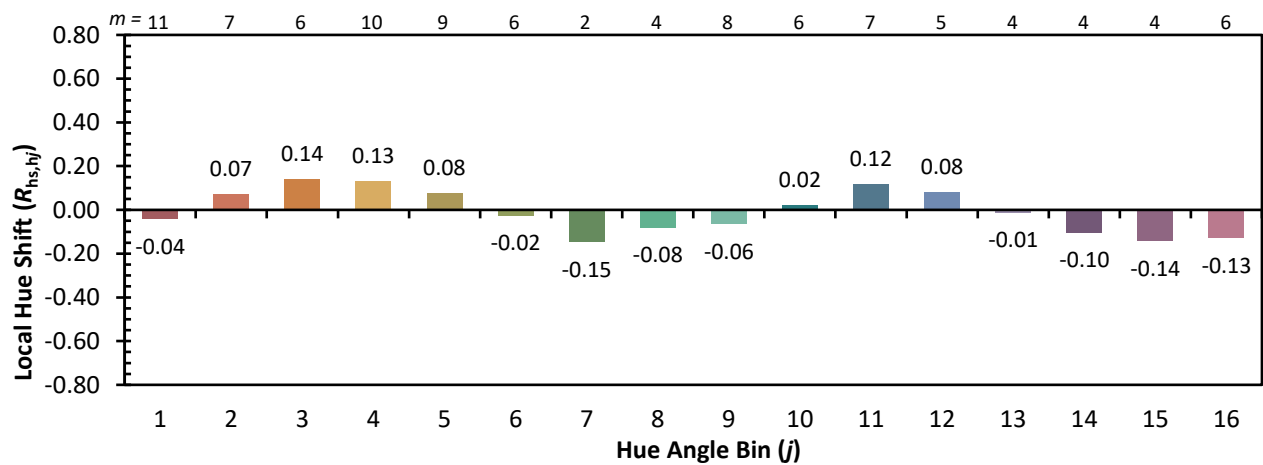
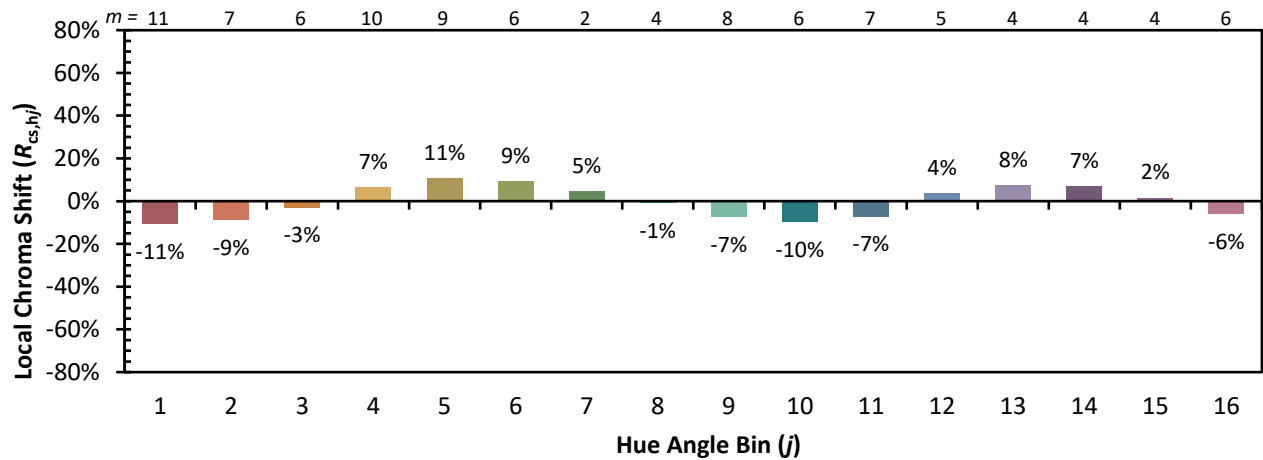


Individual Sample Fidelity Index ($R_{f,i}$)

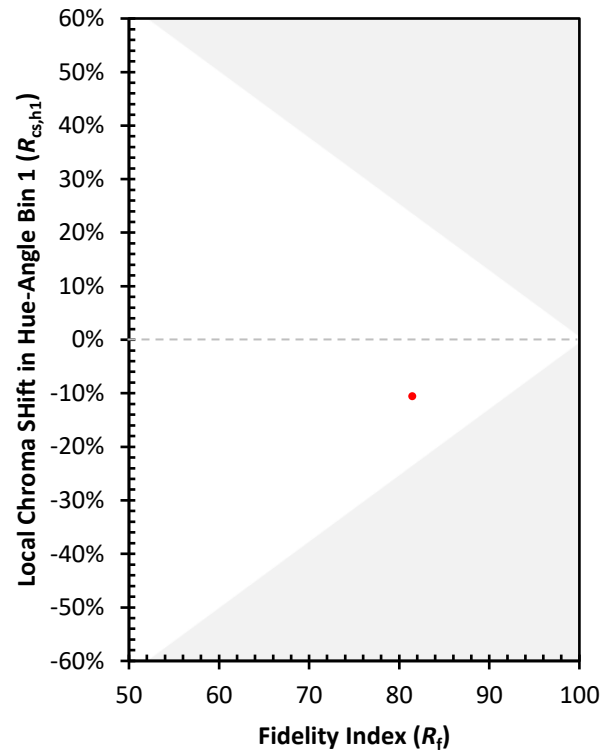
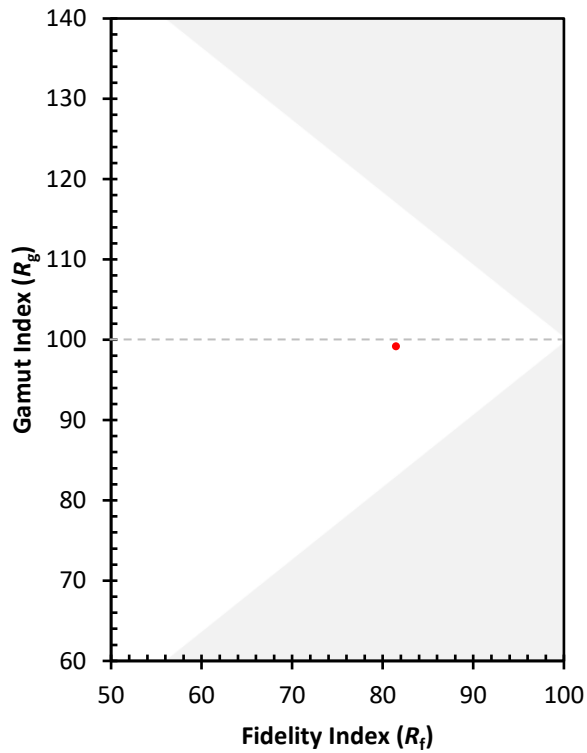
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)