

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: P1065929

Luminaire Tested: **NVN-SA2A-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065929
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA2A-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (28) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6596.8 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.3
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

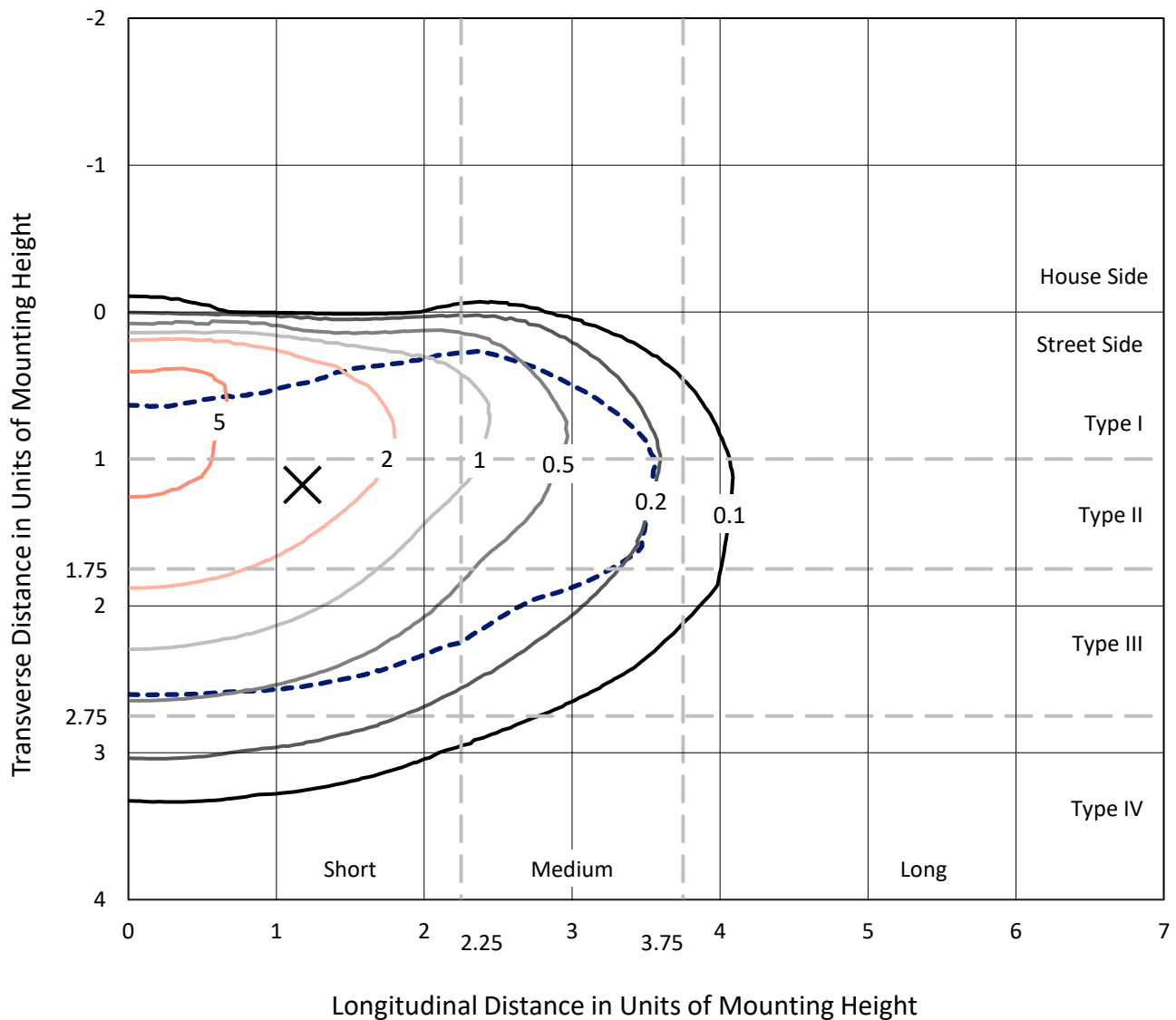


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CATALOG NUMBER: NVN-SA2A-835-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

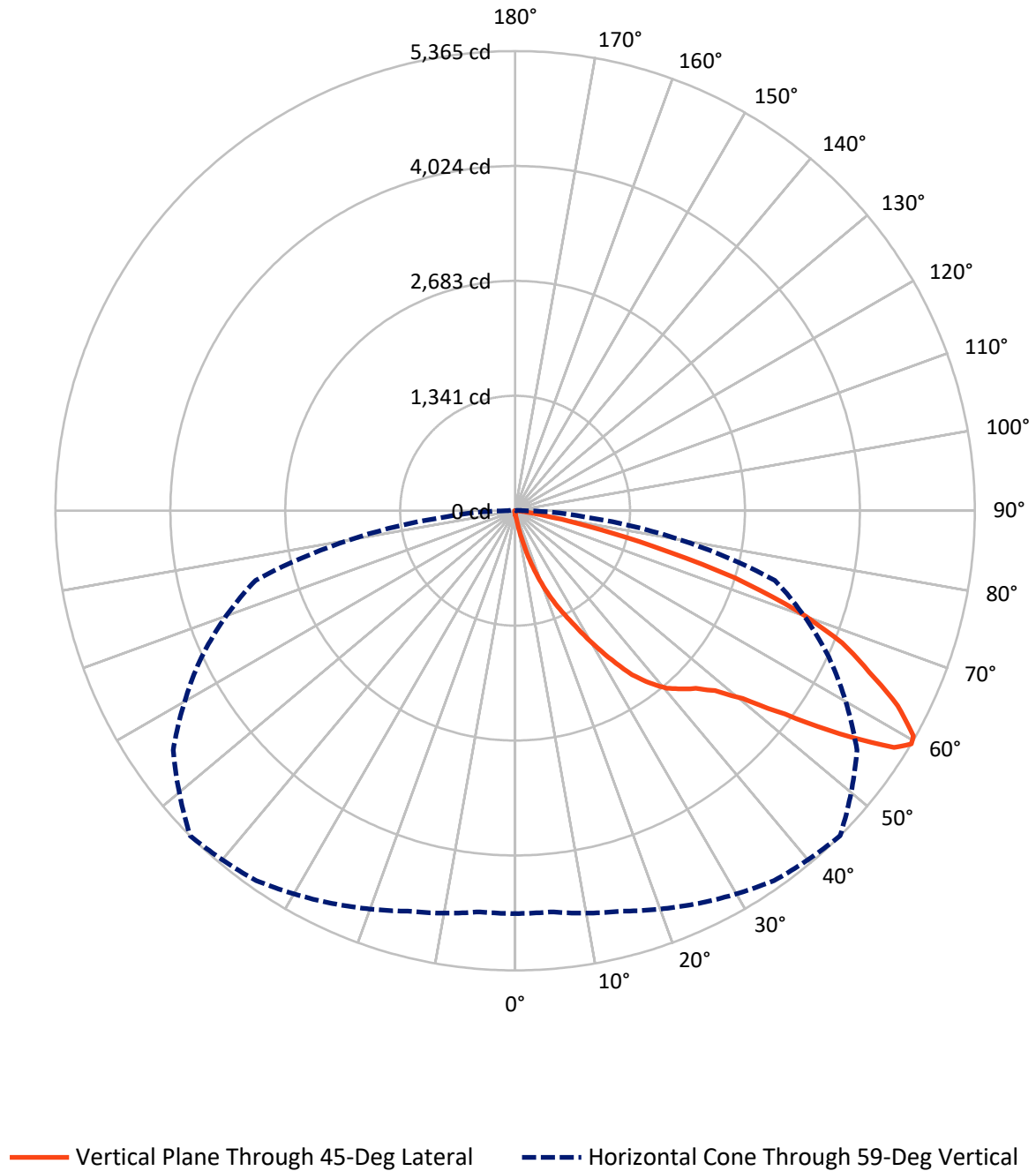


Based on 15 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.4	0.0	23.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6573.4	0.0	6573.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	6596.8	0.0	6596.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	72.9	1.1
20°-30°	262.0	4.0
30°-40°	608.8	9.2
40°-50°	1037.6	15.7
50°-60°	1709.8	25.9
60°-70°	1976.9	30.0
70°-80°	849.3	12.9
80°-90°	73.4	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°	6596.8	100.0
0°-180°	6596.8	100.0



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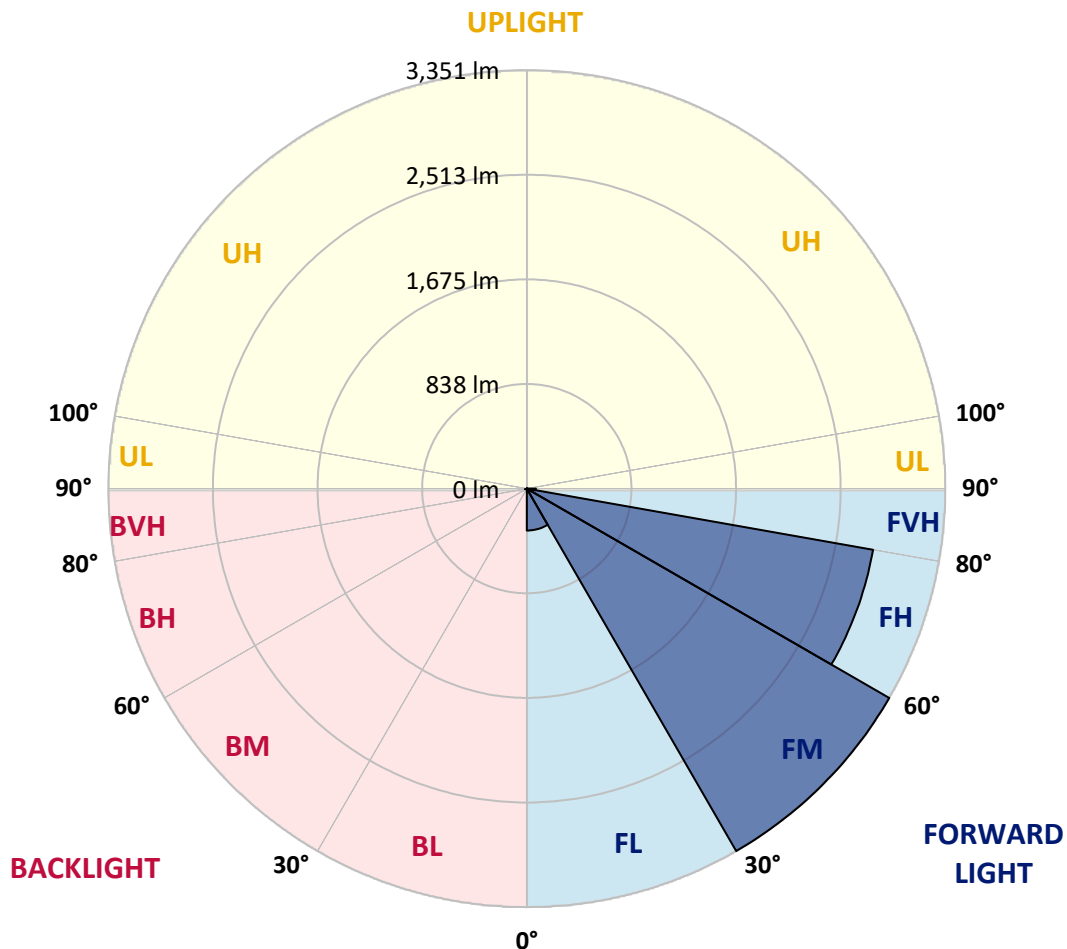
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.3	5.1			
FM	(30°-60°)	3350.5	50.8			
FH	(60°-80°)	2815.2	42.7			G2/5000
FVH	(80°-90°)	72.4	1.1			G1/100
BL	(0°-30°)	5.8	0.1	B0/110		
BM	(30°-60°)	5.7	0.1	B0/220		
BH	(60°-80°)	11.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2.5°	54.1	54.1	52.8	51.0	50.6	49.2	49.2	47.9	46.1	44.8	43.0
5°	78.5	78.1	74.5	70.1	64.3	60.8	60.8	55.9	51.5	47.5	43.9
7.5°	171.7	167.7	154.8	133.5	105.6	86.9	85.6	69.6	59.0	51.0	44.4
10°	393.9	380.1	362.0	310.9	229.8	160.6	157.5	101.6	70.5	55.0	45.2
12.5°	645.4	656.5	620.1	539.8	444.9	330.9	308.7	171.2	93.1	60.3	46.1
15°	874.3	871.6	851.2	785.6	676.0	524.3	510.6	297.6	133.5	68.8	47.0
17.5°	1045.5	1042.4	1022.9	980.7	896.5	744.8	732.8	474.6	209.4	80.7	47.9
20°	1226.0	1222.0	1194.5	1160.8	1087.2	958.1	943.9	672.5	327.8	100.2	47.9
22.5°	1442.5	1435.0	1405.7	1348.5	1270.8	1158.6	1145.7	874.7	474.6	132.2	50.1
25°	1704.2	1691.3	1651.0	1599.5	1505.9	1356.9	1343.1	1100.1	651.6	180.5	52.3
27.5°	2002.7	2004.9	1950.4	1863.4	1737.9	1585.8	1560.0	1301.9	834.8	249.7	55.0
30°	2357.1	2335.0	2258.2	2157.1	2035.1	1841.3	1816.4	1502.8	1040.6	351.8	59.4
32.5°	2688.9	2665.0	2561.6	2434.3	2303.5	2099.0	2078.6	1728.6	1227.8	472.4	67.4
35°	2973.7	2956.8	2812.2	2657.0	2540.8	2358.0	2351.8	1980.5	1447.8	602.4	76.3
37.5°	3224.3	3193.7	3007.9	2846.8	2728.9	2565.2	2551.9	2211.2	1659.8	753.2	89.6
40°	3438.1	3421.3	3194.6	2983.0	2887.2	2740.8	2724.0	2413.5	1879.0	928.4	106.0
42.5°	3667.0	3644.8	3424.8	3187.5	3011.0	2854.4	2843.3	2580.3	2074.1	1120.9	130.4
45°	3925.6	3884.4	3691.4	3478.5	3210.1	2971.9	2959.5	2728.9	2274.2	1327.6	160.1
47.5°	4202.0	4166.0	4009.9	3860.4	3551.7	3165.8	3139.2	2855.3	2472.9	1566.3	197.8
50°	4483.2	4484.1	4367.0	4295.1	3969.1	3480.7	3443.0	3041.1	2681.8	1821.7	253.7
52.5°	4810.5	4819.0	4817.2	4764.0	4511.1	3995.7	3945.1	3323.2	2924.5	2119.8	330.9
55°	4947.6	4962.7	5060.7	5178.7	5109.9	4648.6	4594.5	3809.8	3246.1	2452.1	445.3
57.5°	4835.4	4852.2	4987.5	5194.2	5352.1	5220.4	5214.2	4443.3	3669.7	2854.8	632.5
59°	4701.9	4699.6	4838.5	5057.6	5270.5	5356.1	5365.0	4871.7	4038.7	3137.4	794.0
60°	4613.1	4614.9	4707.2	4932.1	5158.3	5306.9	5341.5	5124.1	4254.3	3340.5	932.4
62.5°	4270.7	4291.1	4364.3	4573.2	4787.9	4953.8	5012.8	5349.0	4871.3	3820.5	1413.7
65°	3898.5	3899.9	4004.1	4182.9	4388.7	4505.4	4542.6	4999.0	5283.4	4309.3	2044.9
67.5°	3234.5	3261.6	3380.0	3669.7	3941.6	4089.3	4117.7	4351.4	5112.6	4627.8	2361.1
70°	2263.5	2299.0	2468.0	2843.7	3248.7	3491.4	3489.6	3617.3	4499.6	4485.8	2001.8
72.5°	1130.2	1191.4	1329.4	1731.7	2222.3	2603.3	2683.6	2909.8	3614.7	3726.0	1493.5
75°	499.5	503.0	581.5	784.2	1104.5	1588.4	1660.3	2309.7	2773.2	2589.6	1078.8
77.5°	290.5	293.2	307.4	352.2	447.6	778.5	859.2	1514.8	1959.7	1505.0	703.5
80°	105.6	108.2	107.8	133.5	196.1	306.5	341.5	734.1	1307.2	792.7	368.6
82.5°	64.8	64.8	62.5	63.0	71.4	117.5	128.6	312.7	636.5	390.3	105.6
85°	31.9	33.7	35.9	40.4	47.9	58.1	61.7	89.6	214.2	94.5	25.3
87.5°	19.1	19.5	21.3	25.7	31.9	41.7	44.4	60.8	76.7	63.4	6.2
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: NVN-SA2A-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2.5°	42.1	41.7	39.5	37.7	35.9	34.2	32.8	31.5	31.5	31.9	31.5
5°	42.1	40.4	36.8	33.7	31.0	28.8	26.6	24.8	24.4	24.4	24.8
7.5°	41.7	39.5	34.6	30.6	27.1	24.0	21.7	19.5	19.1	19.5	19.1
10°	41.3	38.6	32.8	27.9	23.1	20.0	16.9	14.6	14.6	14.6	15.1
12.5°	41.3	37.3	31.0	25.3	20.0	16.4	13.3	11.1	10.6	10.6	10.6
15°	40.8	36.4	29.3	22.2	16.9	12.4	9.8	7.5	7.5	7.5	7.5
17.5°	39.9	35.0	27.1	19.5	13.3	9.3	6.7	4.4	4.4	5.3	5.3
20°	39.0	33.7	24.4	16.0	11.1	7.1	4.4	2.7	2.7	4.0	4.4
22.5°	39.5	33.7	22.6	14.2	8.9	5.3	3.5	2.2	1.8	3.1	4.0
25°	39.9	32.8	20.4	12.4	6.7	4.0	2.7	0.9	0.4	0.9	1.3
27.5°	39.9	31.9	17.7	9.8	4.9	3.1	1.3	0.0	0.0	0.0	0.0
30°	39.5	30.6	15.5	8.0	3.5	1.8	0.4	0.0	0.0	0.0	0.0
32.5°	39.0	29.3	14.2	6.2	3.1	0.9	0.0	0.0	0.0	0.0	0.0
35°	39.5	27.5	12.4	4.9	1.8	0.0	0.0	0.0	0.0	0.0	0.9
37.5°	40.8	25.7	10.6	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	42.6	24.4	8.9	3.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	46.1	24.4	8.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	50.6	24.4	6.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	56.3	24.8	5.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	63.4	25.7	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	68.8	24.8	4.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	78.1	24.0	4.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	90.5	22.6	4.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	102.9	20.8	4.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	117.1	20.0	4.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	193.4	17.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	373.5	16.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	603.7	16.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	634.8	16.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	422.3	13.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	226.2	12.4	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	122.0	11.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	53.7	8.4	2.2	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.3	5.8	2.7	2.2	1.8	0.9	0.0	0.0	0.0	0.0	0.0
85°	10.2	4.4	3.5	3.1	2.2	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	4.4	4.0	3.5	3.1	2.2	0.4	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

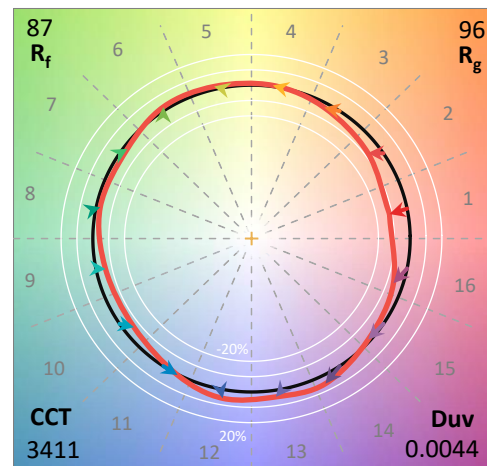
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

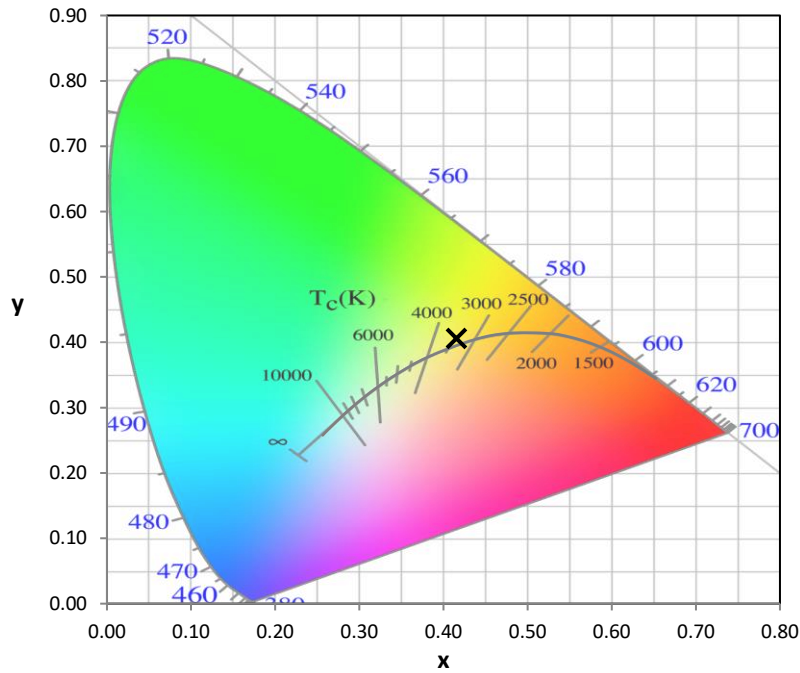
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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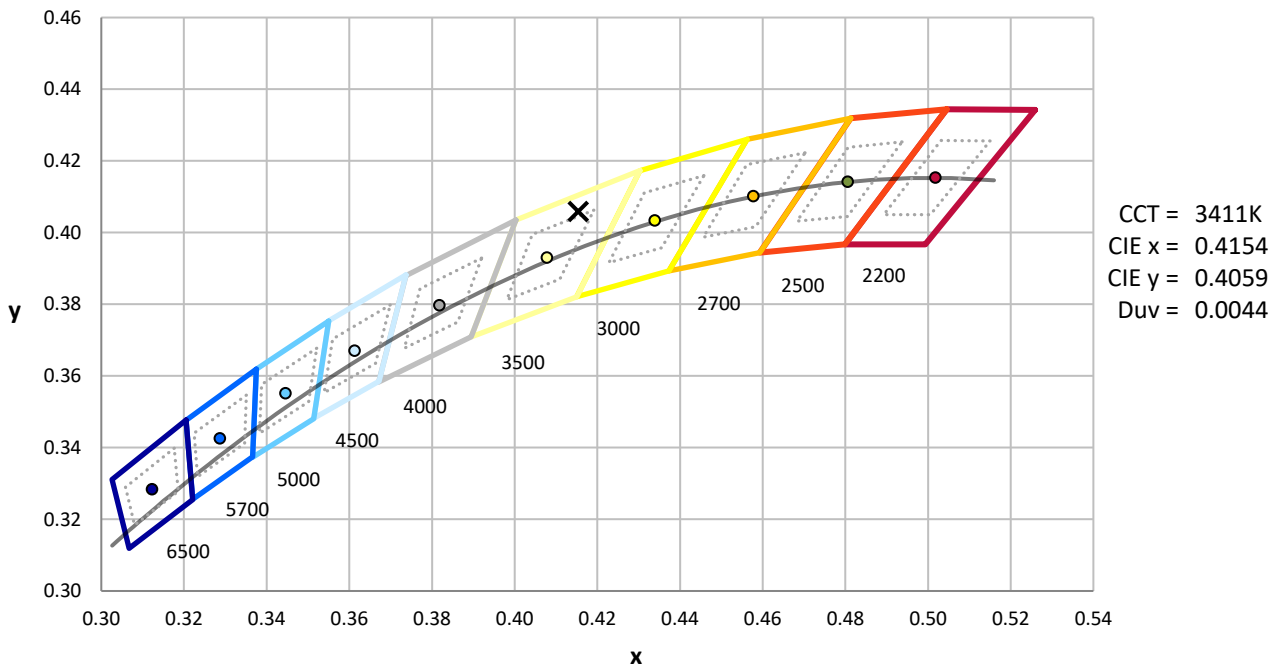
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



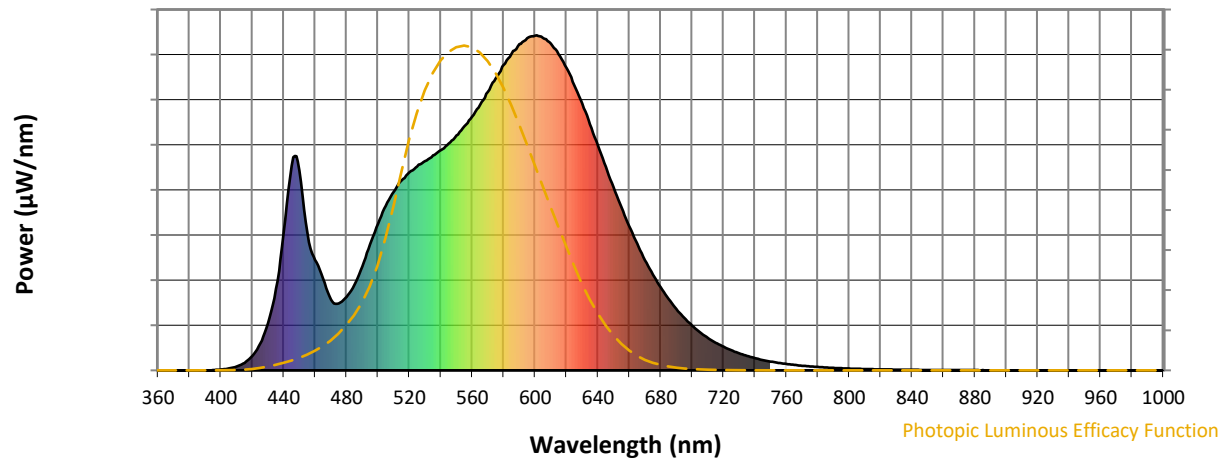
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

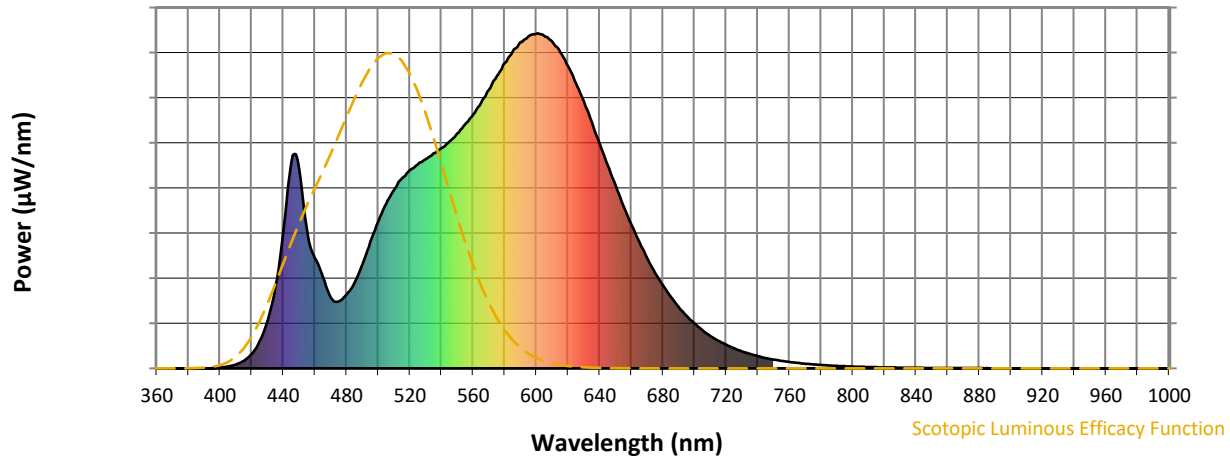


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



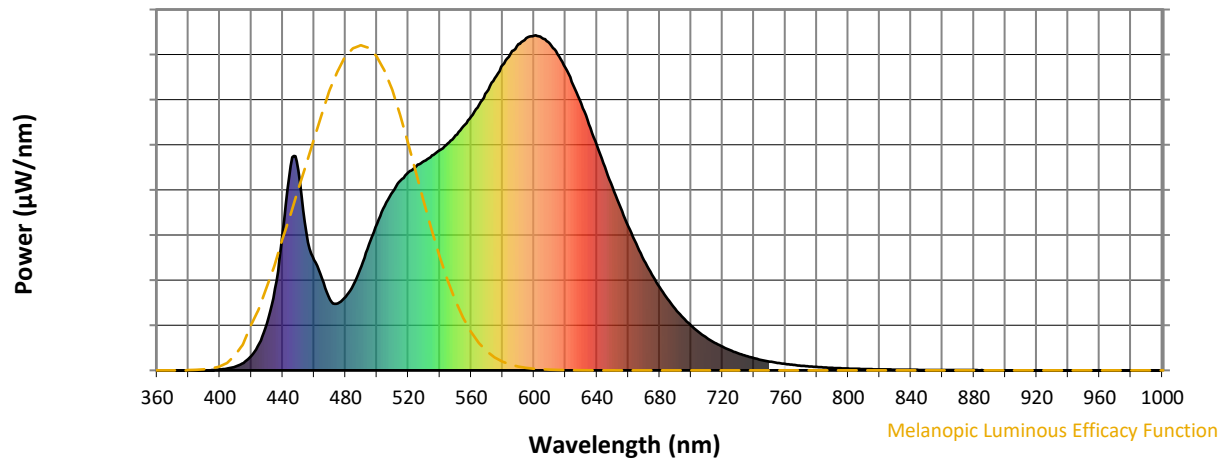
Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

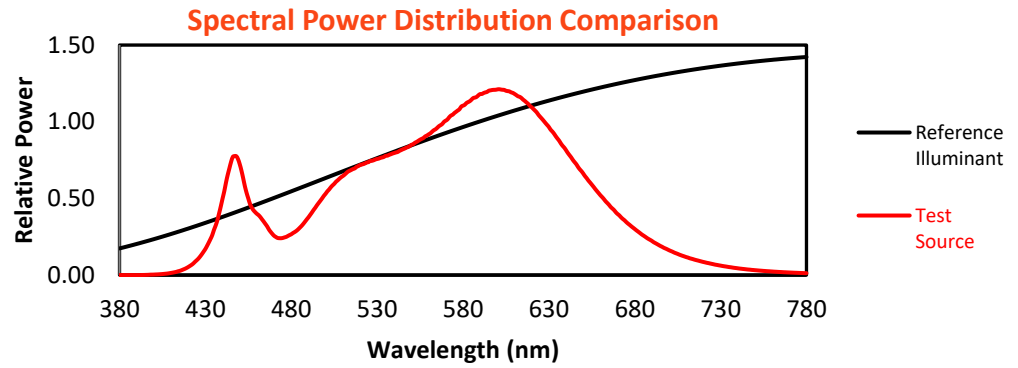
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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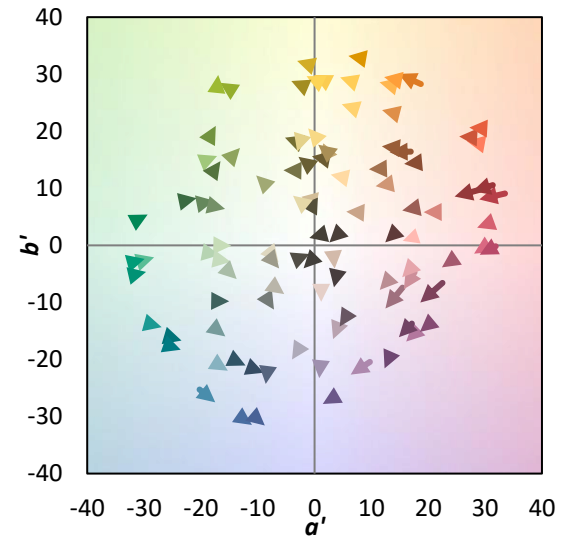
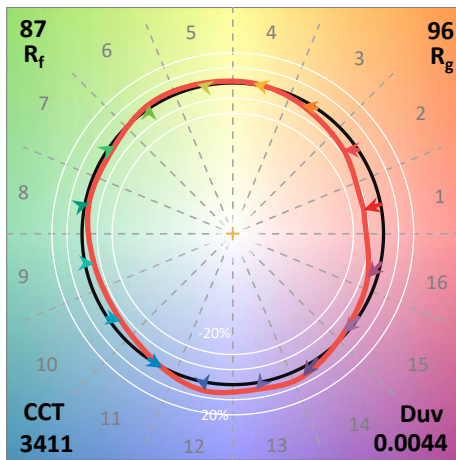
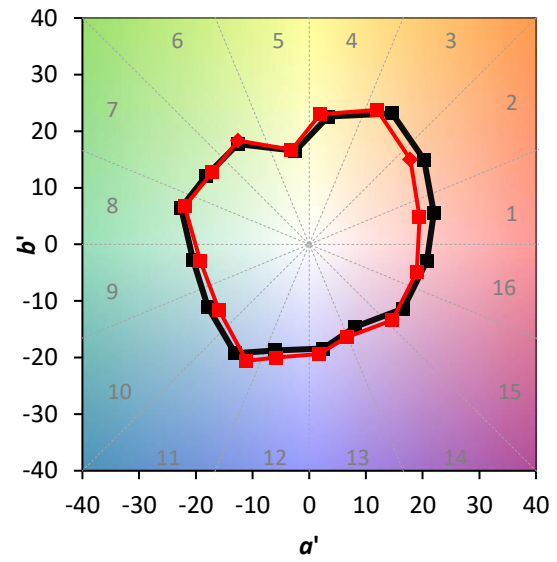
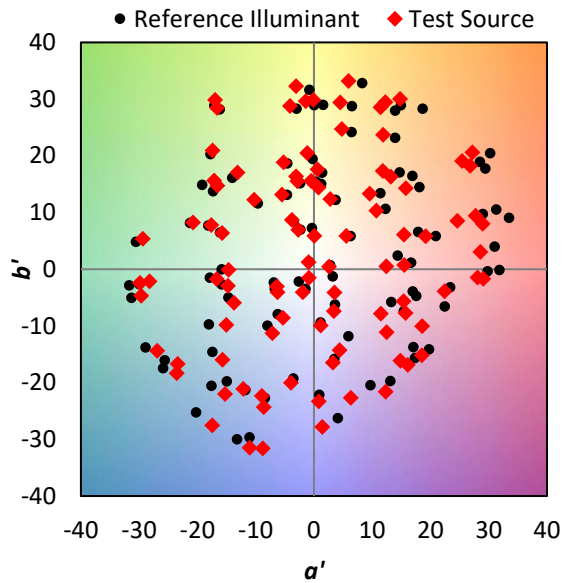
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_g = 6.3$

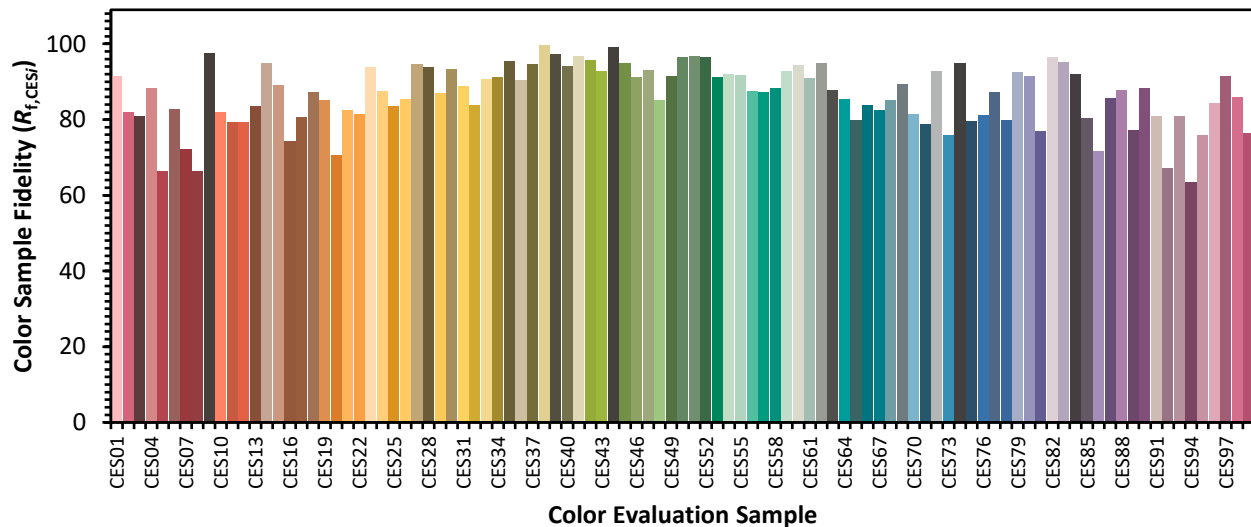


Color Vector Graphics

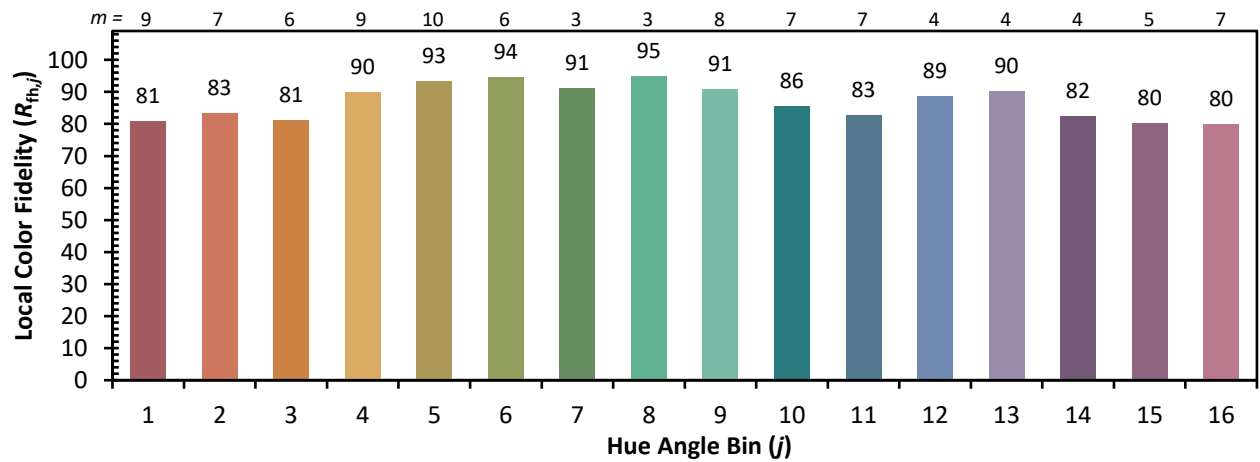
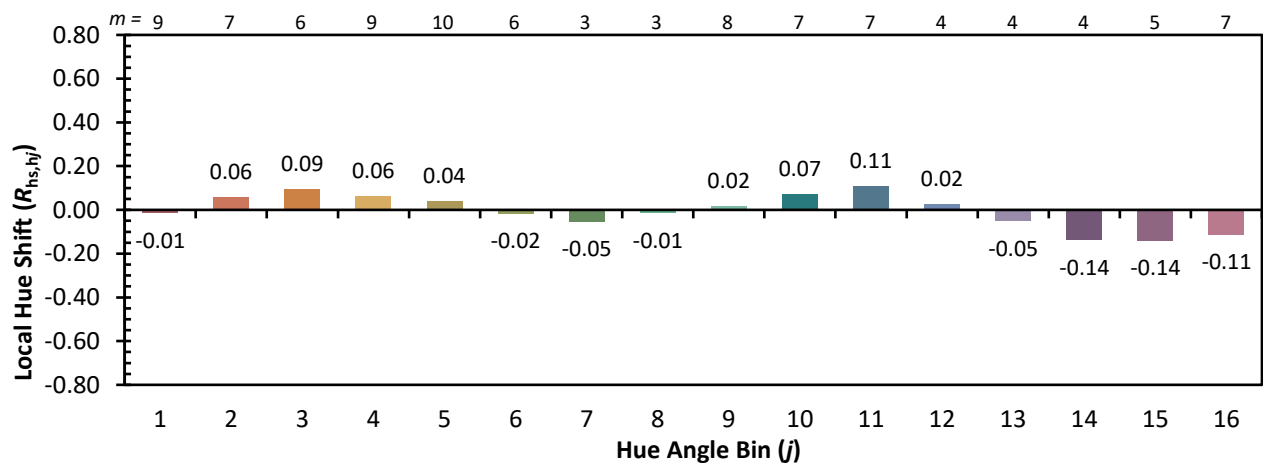
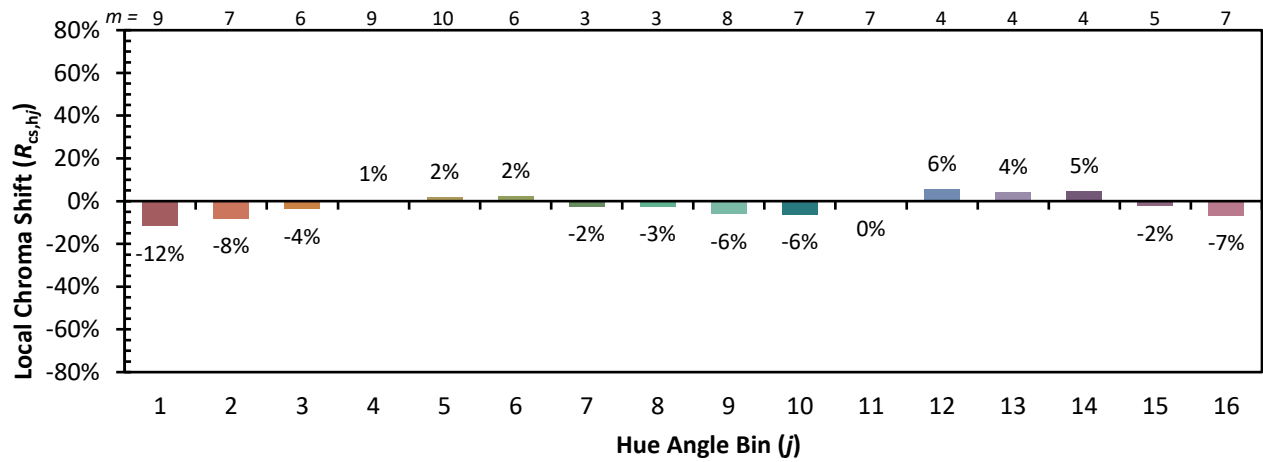


Individual Sample Fidelity Index ($R_{f,i}$)

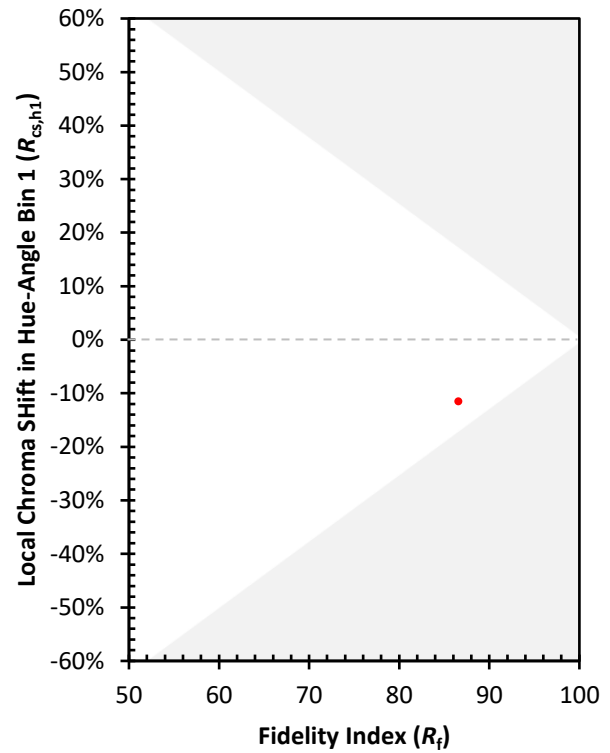
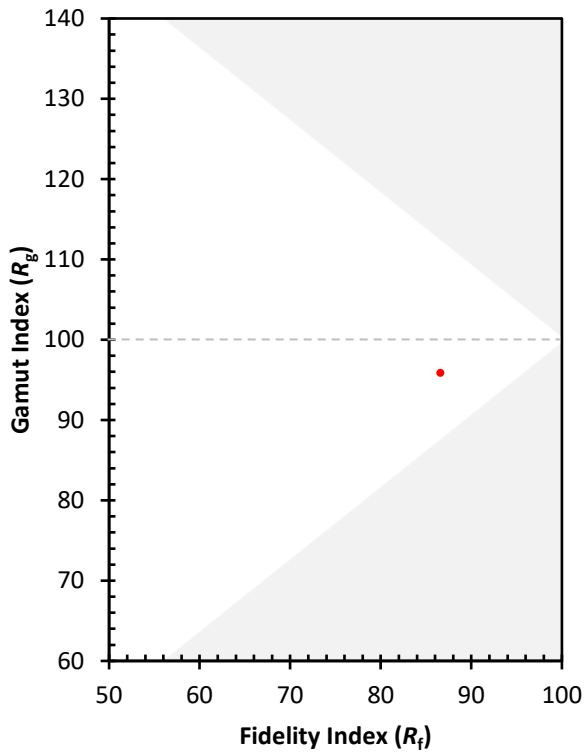
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)