

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: P1065934

Luminaire Tested: **NVN-SA3B-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065934
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3B-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12278 lumens
Efficiency: N/A
Efficacy: 115.6 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): 106.2
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



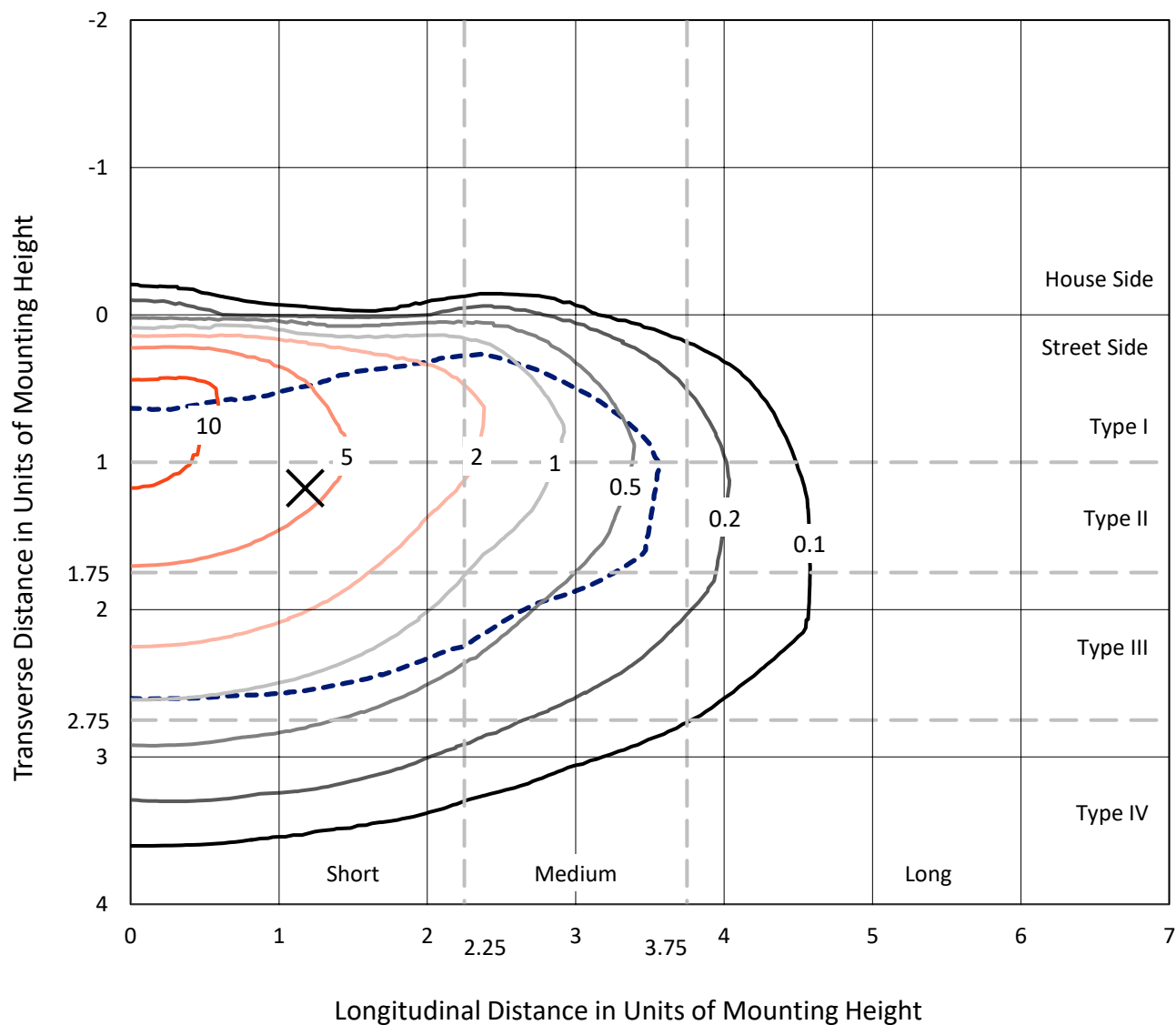
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CATALOG NUMBER: NVN-SA3B-835-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

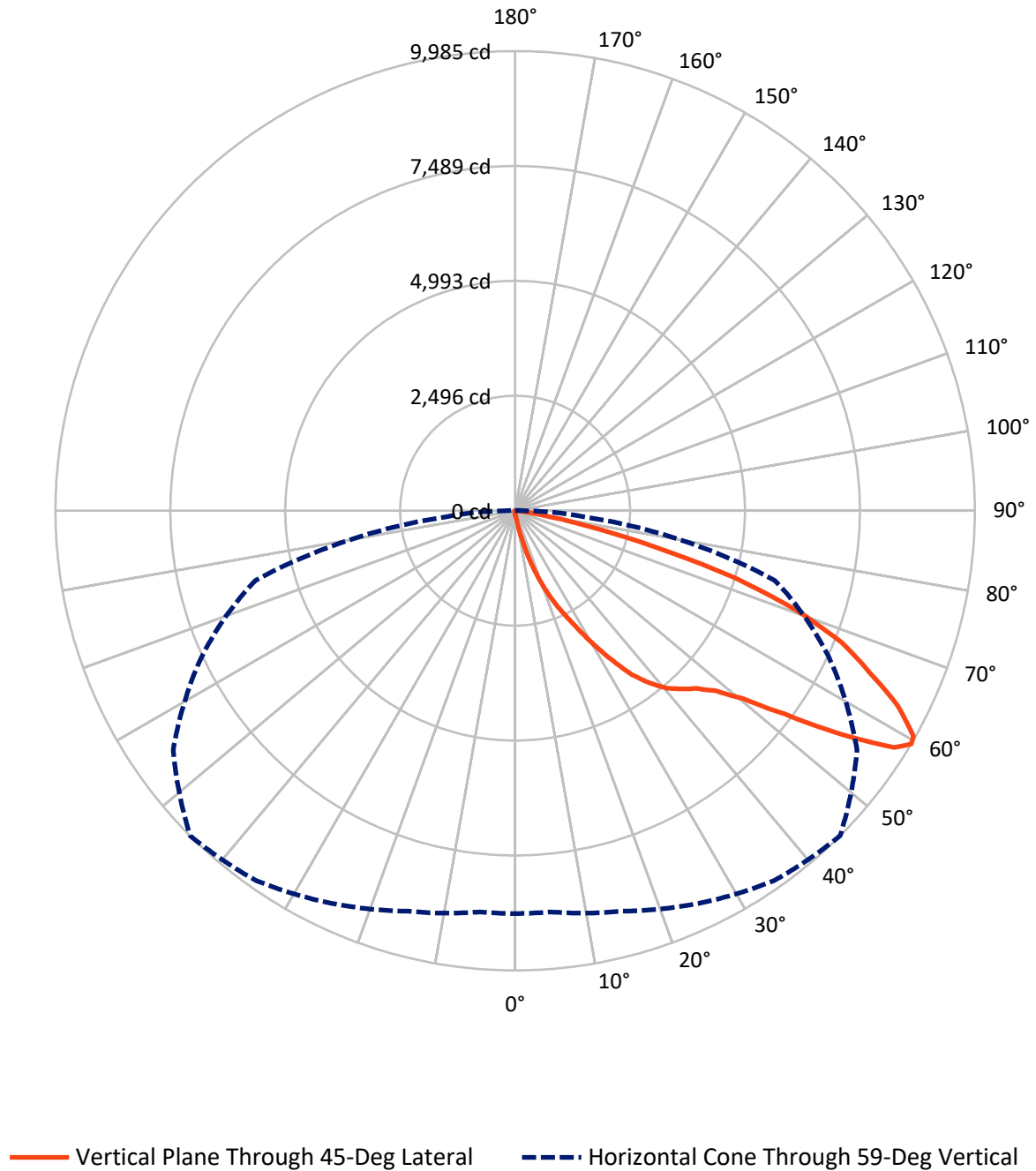


Based on 15 foot mounting height. Maximum calculated value = 13.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	43.6	0.0	43.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12234.4	0.0	12234.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	12278.0	0.0	12278.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.1
10°-20°	135.7	1.1
20°-30°	487.6	4.0
30°-40°	1133.1	9.2
40°-50°	1931.3	15.7
50°-60°	3182.2	25.9
60°-70°	3679.4	30.0
70°-80°	1580.8	12.9
80°-90°	136.6	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°	12278.0	100.0
0°-180°	12278.0	100.0



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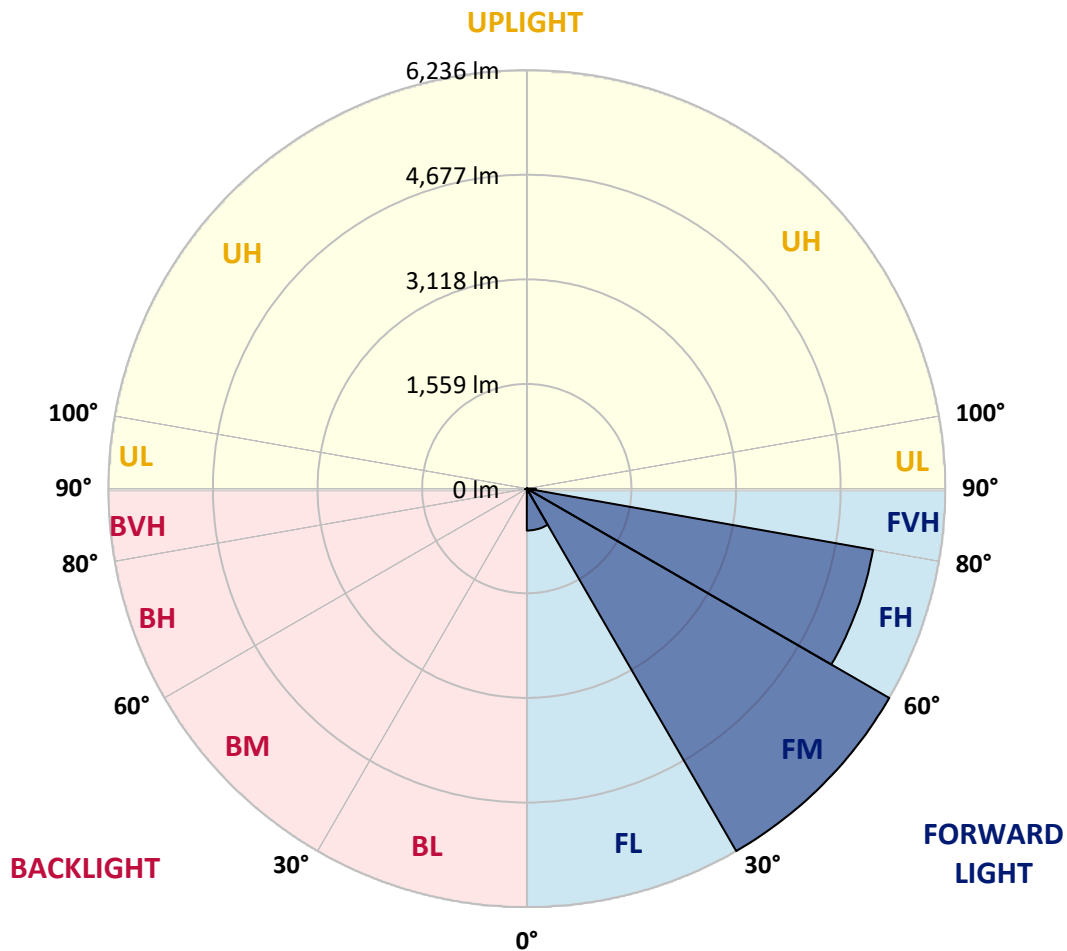
CATALOG NUMBER: NVN-SA3B-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	624.0	5.1			
FM	(30°-60°)	6236.0	50.8			
FH	(60°-80°)	5239.6	42.7			G3/7500
FVH	(80°-90°)	134.8	1.1			G2/225
BL	(0°-30°)	10.8	0.1	B0/110		
BM	(30°-60°)	10.5	0.1	B0/220		
BH	(60°-80°)	20.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
2.5°	100.7	100.7	98.2	94.9	94.1	91.6	91.6	89.2	85.9	83.4	80.1
5°	146.1	145.3	138.7	130.4	119.7	113.1	113.1	104.0	95.8	88.3	81.7
7.5°	319.5	312.1	288.1	248.5	196.5	161.8	159.3	129.6	109.8	94.9	82.6
10°	733.1	707.5	673.7	578.7	427.6	298.9	293.1	189.1	131.3	102.4	84.2
12.5°	1201.2	1221.9	1154.2	1004.7	828.1	615.9	574.6	318.7	173.4	112.3	85.9
15°	1627.2	1622.3	1584.3	1462.1	1258.2	975.8	950.2	554.0	248.5	128.0	87.5
17.5°	1945.9	1940.1	1903.8	1825.4	1668.5	1386.1	1363.9	883.4	389.7	150.3	89.2
20°	2281.9	2274.5	2223.3	2160.5	2023.5	1783.2	1756.8	1251.6	610.1	186.6	89.2
22.5°	2684.8	2670.7	2616.3	2509.8	2365.3	2156.4	2132.5	1628.0	883.4	246.0	93.3
25°	3171.9	3147.9	3072.8	2977.0	2802.8	2525.4	2499.9	2047.4	1212.8	336.0	97.4
27.5°	3727.5	3731.6	3630.1	3468.3	3234.6	2951.4	2903.6	2423.1	1553.7	464.8	102.4
30°	4387.1	4345.8	4203.0	4014.8	3787.8	3427.0	3380.7	2797.1	1936.8	654.7	110.6
32.5°	5004.7	4960.1	4767.7	4530.8	4287.2	3906.6	3868.7	3217.3	2285.2	879.2	125.5
35°	5534.7	5503.3	5234.2	4945.2	4728.9	4388.8	4377.2	3686.2	2694.7	1121.1	142.0
37.5°	6001.1	5944.2	5598.2	5298.6	5079.0	4774.3	4749.6	4115.5	3089.3	1401.8	166.8
40°	6399.1	6367.7	5945.8	5552.0	5373.7	5101.2	5069.9	4492.0	3497.1	1727.9	197.3
42.5°	6825.1	6783.8	6374.3	5932.6	5604.0	5312.6	5292.0	4802.4	3860.4	2086.2	242.7
45°	7306.4	7229.6	6870.5	6474.2	5974.7	5531.4	5508.3	5079.0	4232.7	2471.0	298.0
47.5°	7820.7	7753.8	7463.2	7185.0	6610.4	5892.2	5842.6	5314.2	4602.6	2915.1	368.2
50°	8344.1	8345.8	8127.8	7994.1	7387.3	6478.3	6408.1	5660.2	4991.4	3390.6	472.2
52.5°	8953.4	8969.1	8965.8	8866.7	8396.1	7436.8	7342.7	6185.2	5443.0	3945.4	615.9
55°	9208.5	9236.6	9419.0	9638.6	9510.7	8652.1	8551.3	7090.9	6041.6	4563.8	828.9
57.5°	8999.6	9031.0	9282.8	9667.5	9961.4	9716.2	9704.7	8269.8	6830.0	5313.4	1177.3
59°	8751.1	8747.0	9005.4	9413.2	9809.5	9968.9	9985.4	9067.3	7516.9	5839.3	1477.8
60°	8586.0	8589.3	8761.0	9179.6	9600.6	9877.2	9941.6	9537.1	7918.1	6217.4	1735.4
62.5°	7948.7	7986.6	8122.9	8511.7	8911.3	9220.1	9329.9	9955.6	9066.5	7110.7	2631.1
65°	7256.0	7258.5	7452.5	7785.2	8168.3	8385.4	8454.7	9304.3	9833.5	8020.5	3805.9
67.5°	6020.1	6070.5	6290.9	6830.0	7336.1	7611.0	7663.8	8098.9	9515.6	8613.3	4394.6
70°	4212.9	4279.0	4593.5	5292.8	6046.5	6498.1	6494.8	6732.6	8374.7	8349.1	3725.8
72.5°	2103.6	2217.5	2474.3	3223.1	4136.1	4845.3	4994.7	5415.8	6727.6	6934.9	2779.7
75°	929.6	936.2	1082.3	1459.6	2055.7	2956.4	3090.1	4298.8	5161.5	4819.7	2007.8
77.5°	540.8	545.7	572.1	655.5	833.0	1448.9	1599.1	2819.3	3647.4	2801.2	1309.4
80°	196.5	201.4	200.6	248.5	364.9	570.5	635.7	1366.3	2433.0	1475.3	686.1
82.5°	120.5	120.5	116.4	117.2	132.9	218.8	239.4	582.0	1184.7	726.5	196.5
85°	59.4	62.7	66.9	75.1	89.2	108.2	114.8	166.8	398.8	175.8	47.1
87.5°	35.5	36.3	39.6	47.9	59.4	77.6	82.6	113.1	142.8	118.1	11.6
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-SA3B-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
2.5°	78.4	77.6	73.5	70.2	66.9	63.6	61.1	58.6	58.6	59.4	58.6
5°	78.4	75.1	68.5	62.7	57.8	53.7	49.5	46.2	45.4	45.4	46.2
7.5°	77.6	73.5	64.4	57.0	50.4	44.6	40.5	36.3	35.5	36.3	35.5
10°	76.8	71.8	61.1	52.0	42.9	37.2	31.4	27.2	27.2	27.2	28.1
12.5°	76.8	69.3	57.8	47.1	37.2	30.5	24.8	20.6	19.8	19.8	19.8
15°	76.0	67.7	54.5	41.3	31.4	23.1	18.2	14.0	14.0	14.0	14.0
17.5°	74.3	65.2	50.4	36.3	24.8	17.3	12.4	8.3	8.3	9.9	9.9
20°	72.7	62.7	45.4	29.7	20.6	13.2	8.3	5.0	5.0	7.4	8.3
22.5°	73.5	62.7	42.1	26.4	16.5	9.9	6.6	4.1	3.3	5.8	7.4
25°	74.3	61.1	38.0	23.1	12.4	7.4	5.0	1.7	0.8	1.7	2.5
27.5°	74.3	59.4	33.0	18.2	9.1	5.8	2.5	0.0	0.0	0.0	0.0
30°	73.5	57.0	28.9	14.9	6.6	3.3	0.8	0.0	0.0	0.0	0.0
32.5°	72.7	54.5	26.4	11.6	5.8	1.7	0.0	0.0	0.0	0.0	0.0
35°	73.5	51.2	23.1	9.1	3.3	0.0	0.0	0.0	0.0	0.0	1.7
37.5°	76.0	47.9	19.8	7.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	79.3	45.4	16.5	5.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	85.9	45.4	14.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	94.1	45.4	12.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	104.8	46.2	10.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	118.1	47.9	9.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	128.0	46.2	9.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	145.3	44.6	8.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	168.4	42.1	8.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	191.5	38.8	8.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	218.0	37.2	7.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	360.0	33.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	695.1	31.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1123.6	31.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1181.4	31.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	786.0	25.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	421.0	23.1	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	227.0	21.5	3.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	99.9	15.7	4.1	2.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	39.6	10.7	5.0	4.1	3.3	1.7	0.0	0.0	0.0	0.0	0.0
85°	19.0	8.3	6.6	5.8	4.1	2.5	0.0	0.0	0.0	0.0	0.0
87.5°	9.1	8.3	7.4	6.6	5.8	4.1	0.8	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

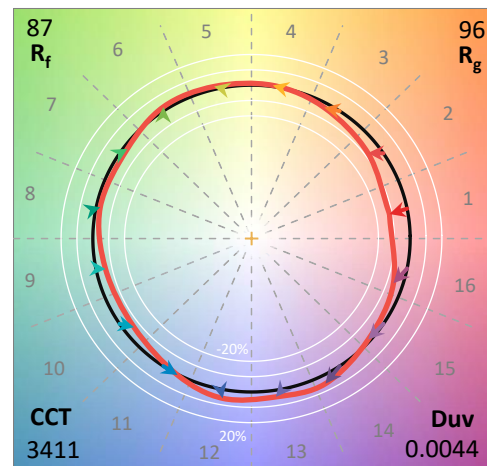
Test Information

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

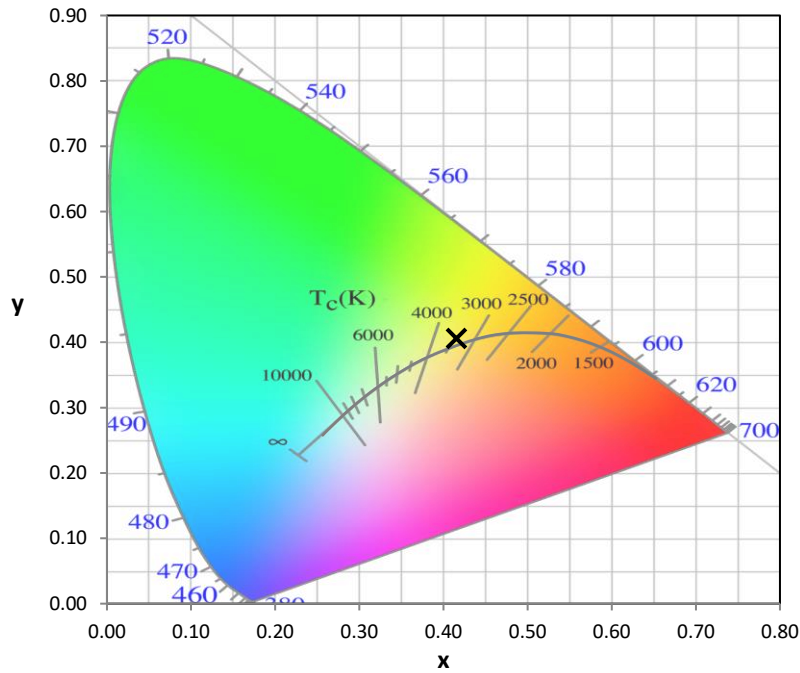
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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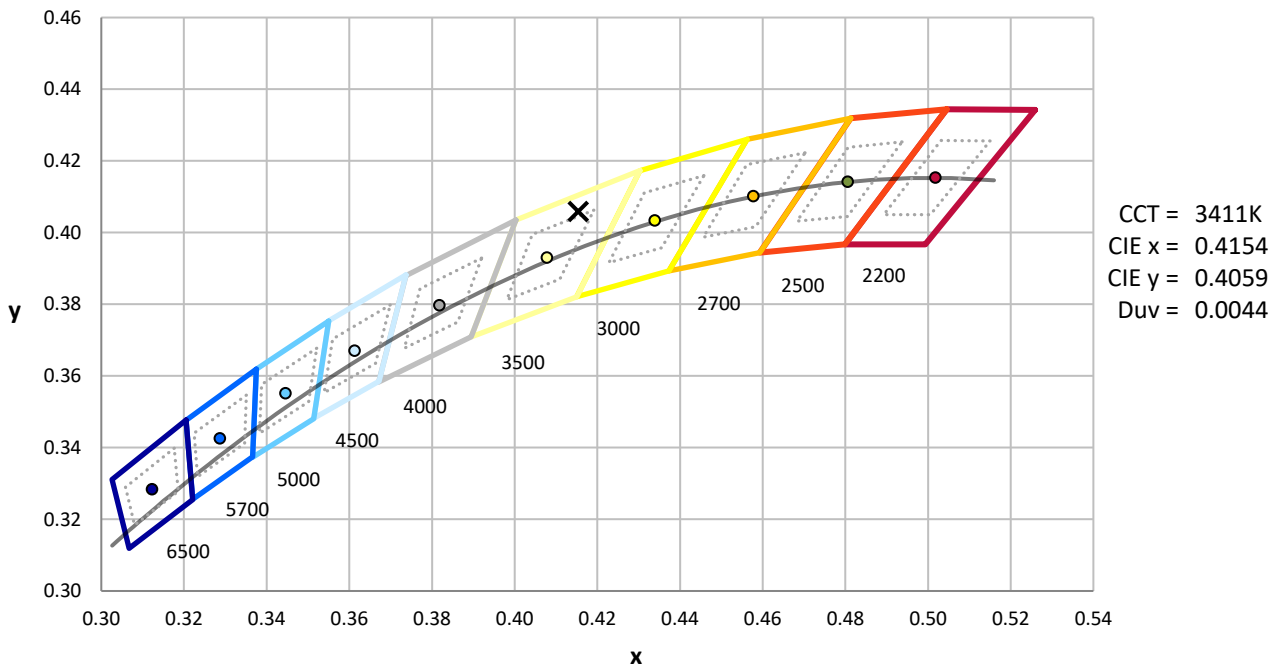
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



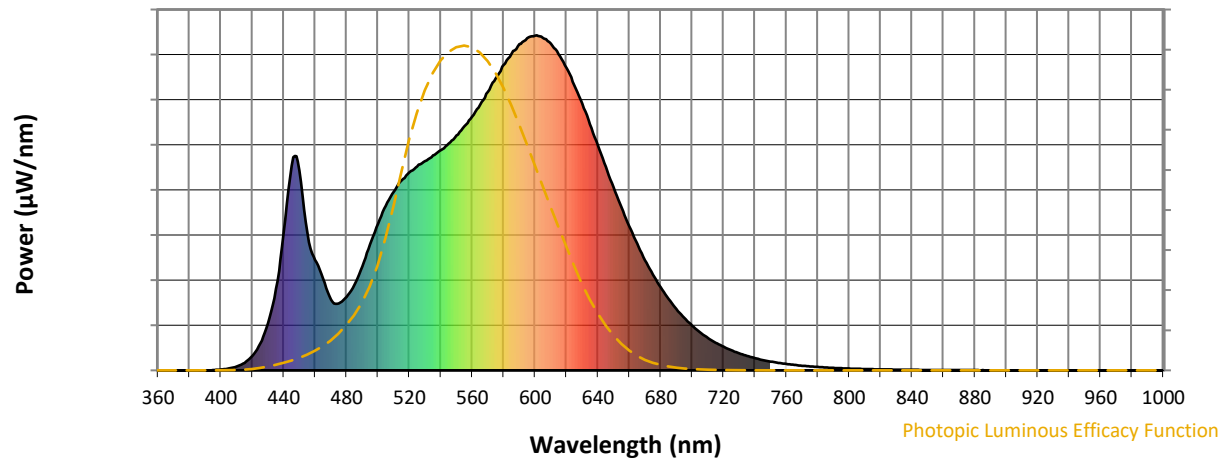
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

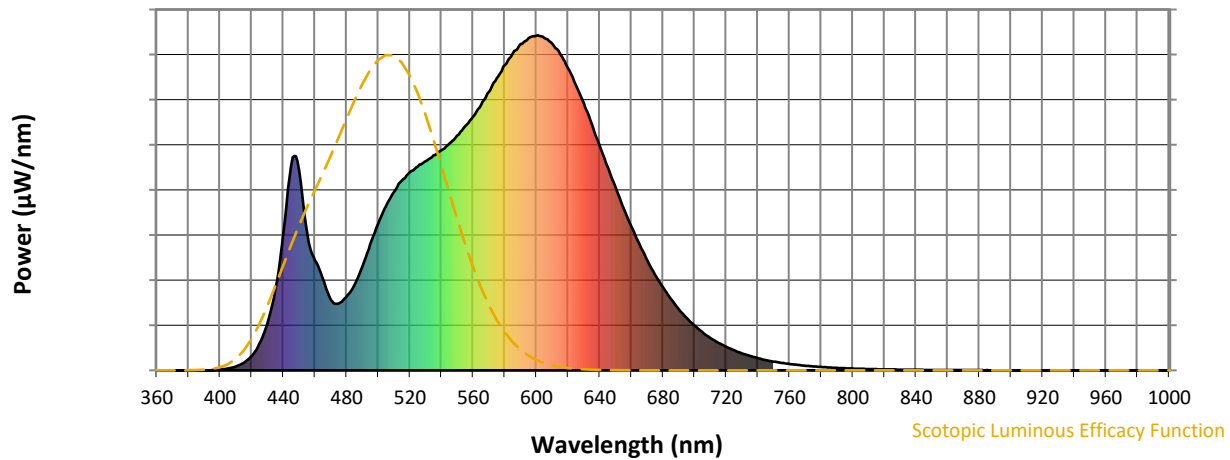


Photopic Lumens: NR

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



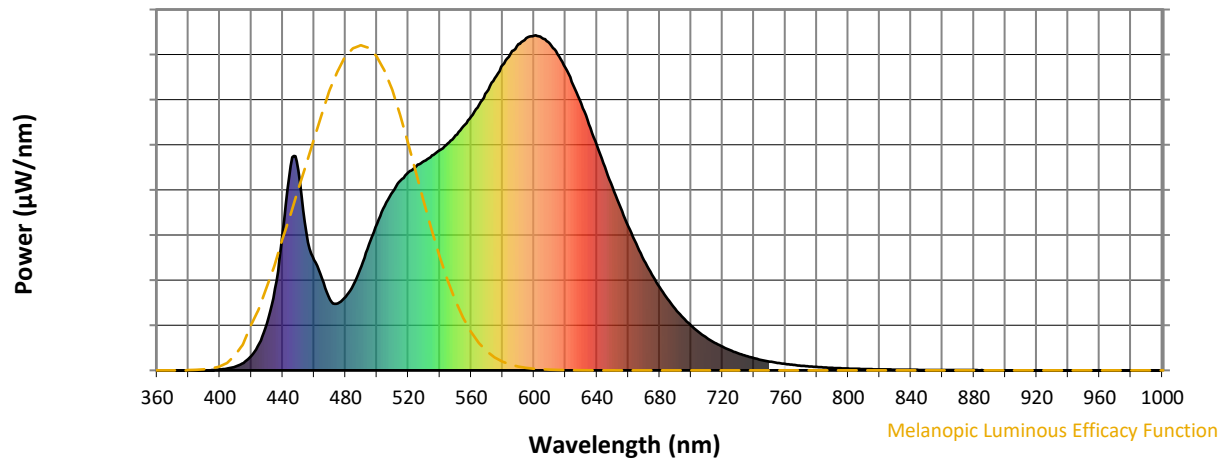
Scotopic Lumens: NR

S/P: 1.48

λ (nm)	Power W [^] /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	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

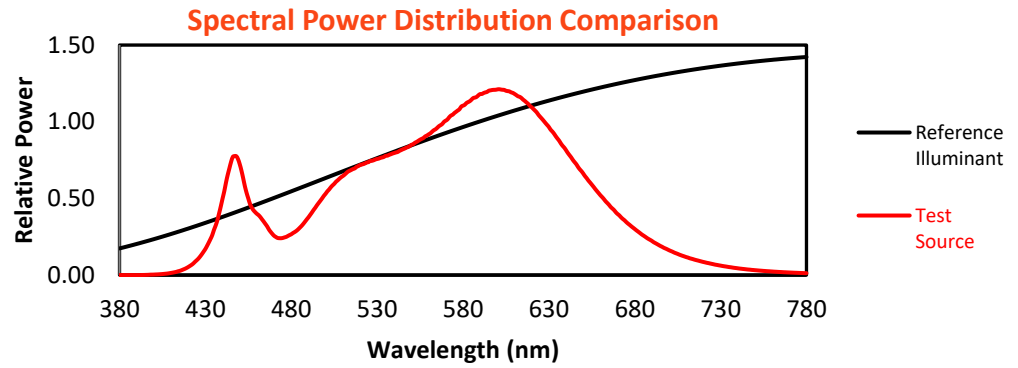
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	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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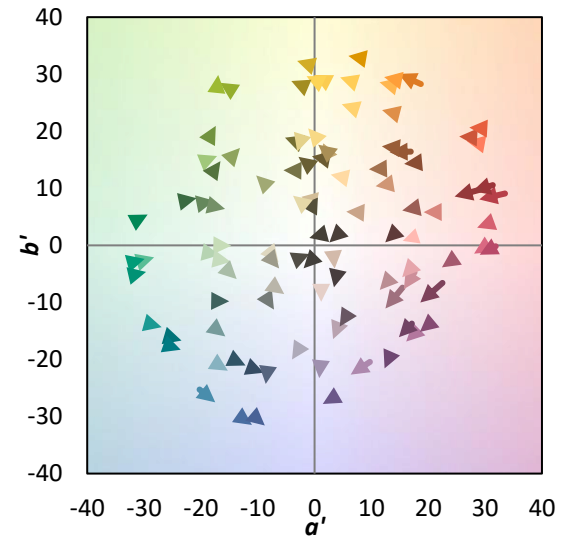
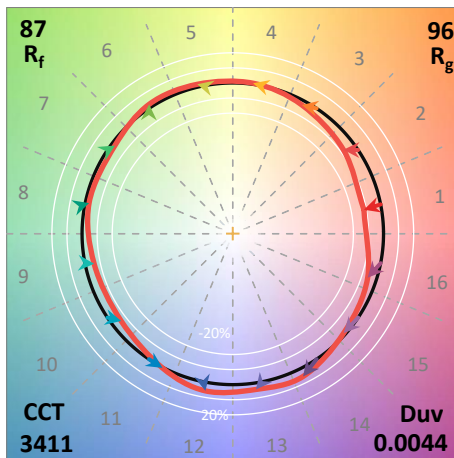
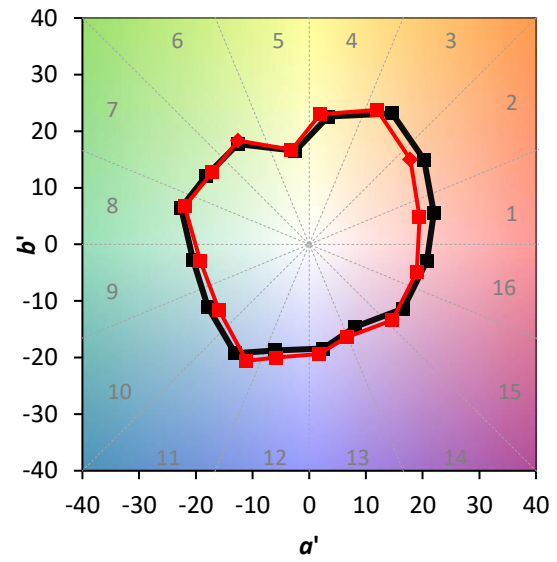
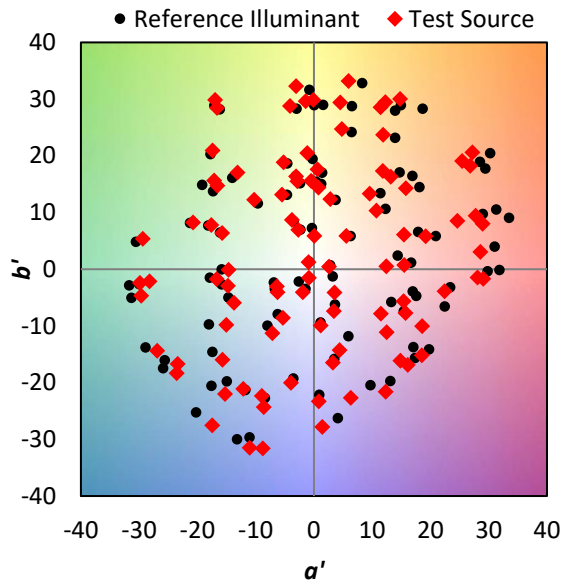
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $\text{CIE } R_a = 83.5$
 $R_9 = 6.3$

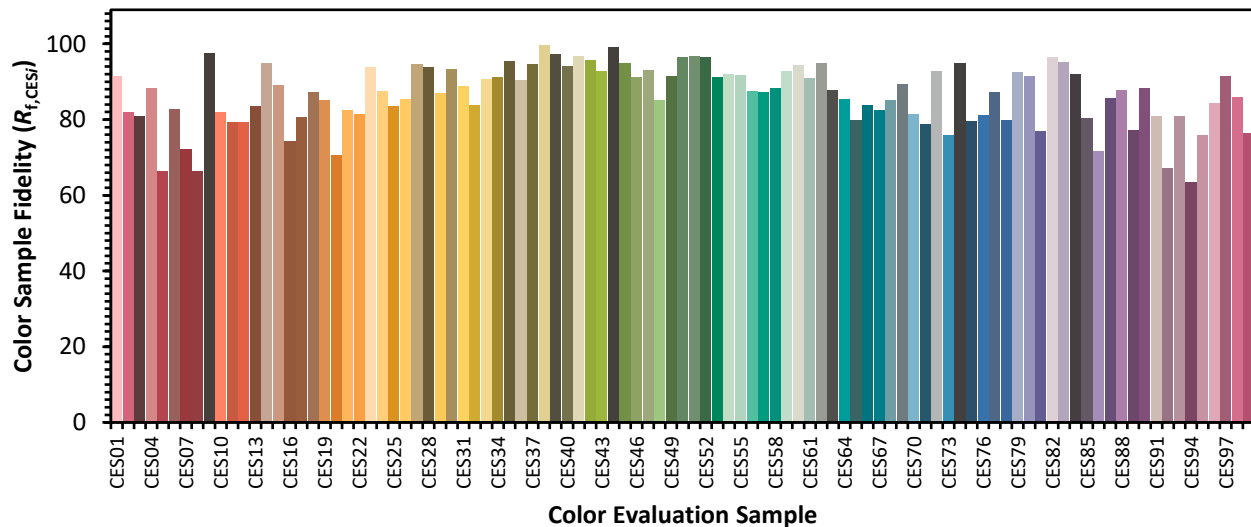


Color Vector Graphics

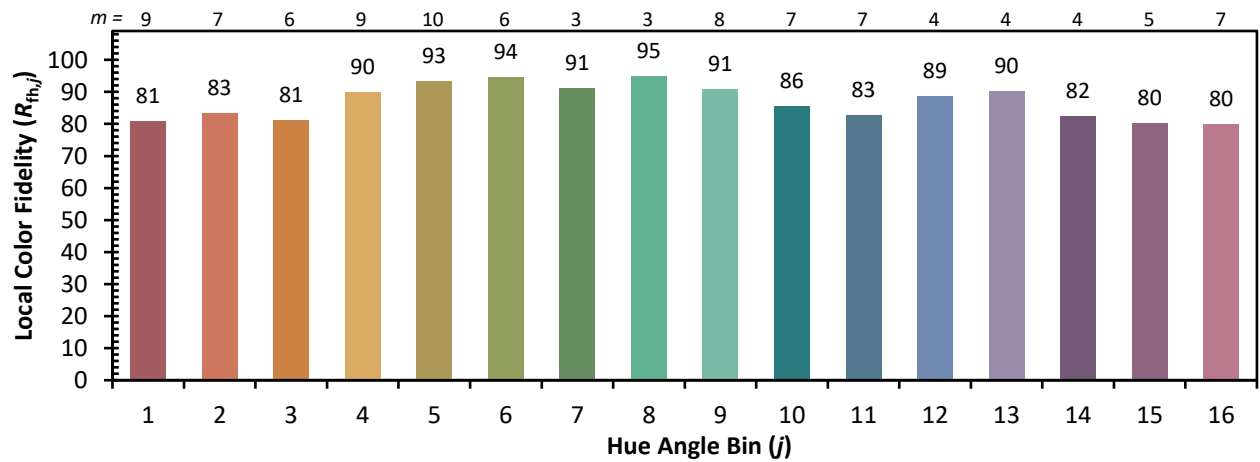
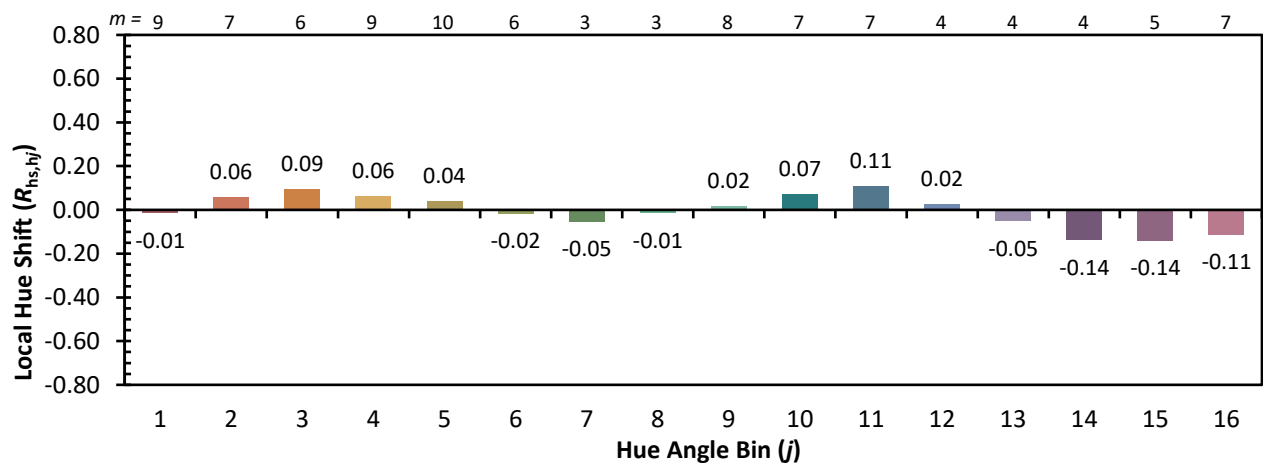
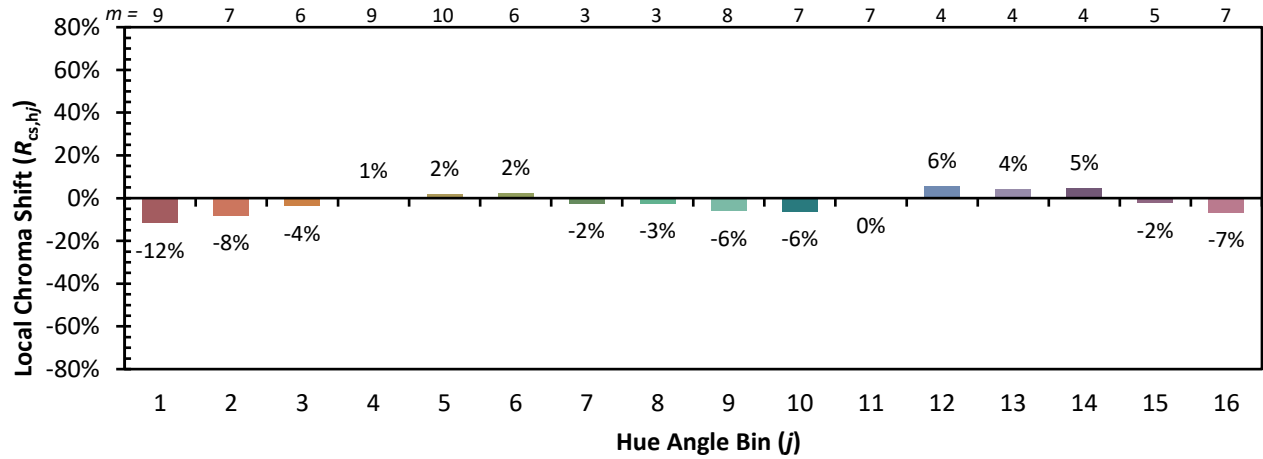


Individual Sample Fidelity Index ($R_{f,i}$)

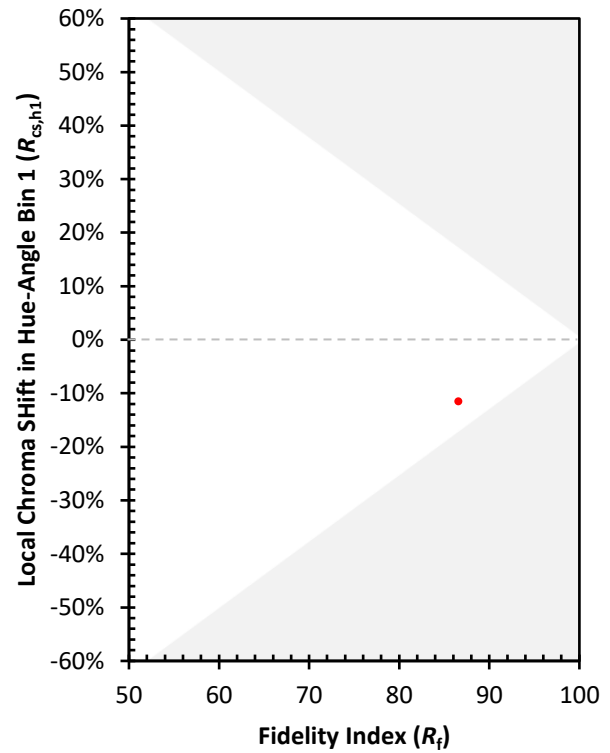
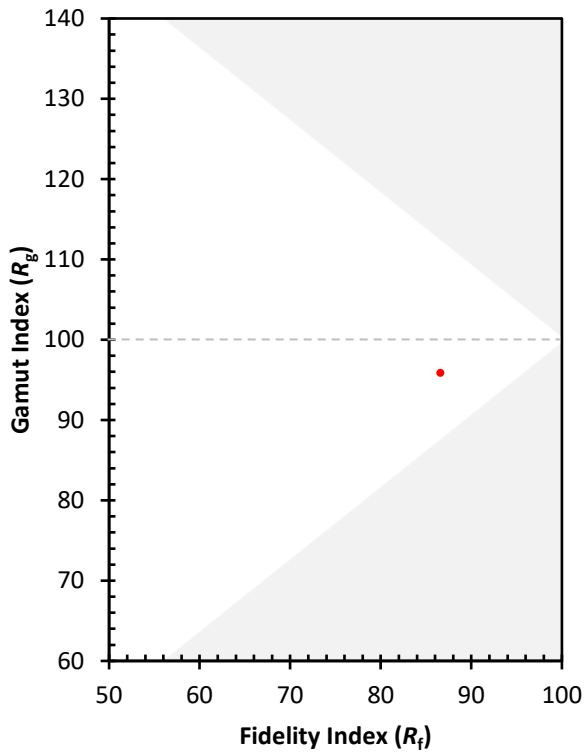
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 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)