

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: P1066416

Luminaire Tested: **NVN-SA3D-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066416
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3D-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 3xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15993.9 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 160.9
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

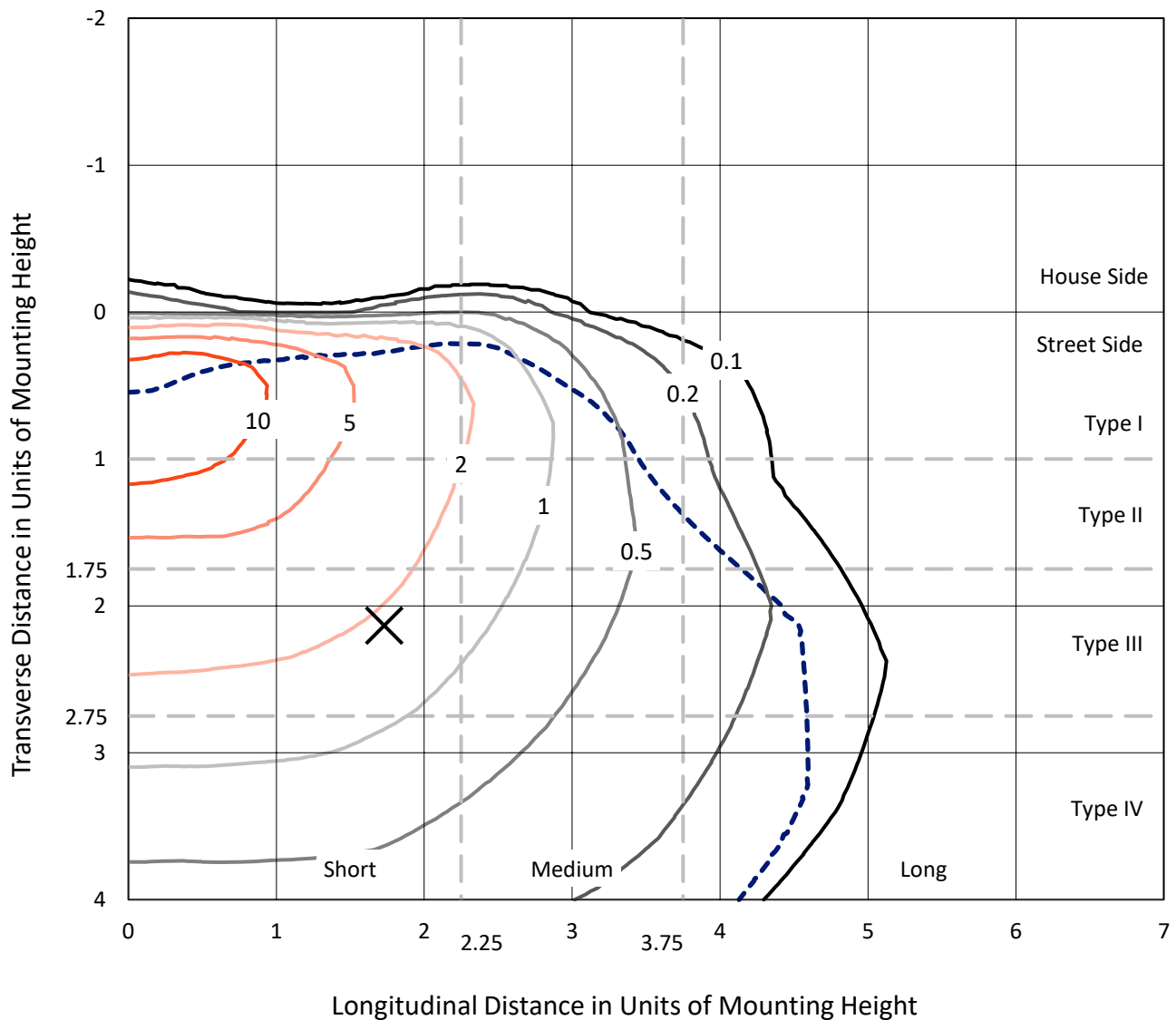


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CATALOG NUMBER: NVN-SA3D-835-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

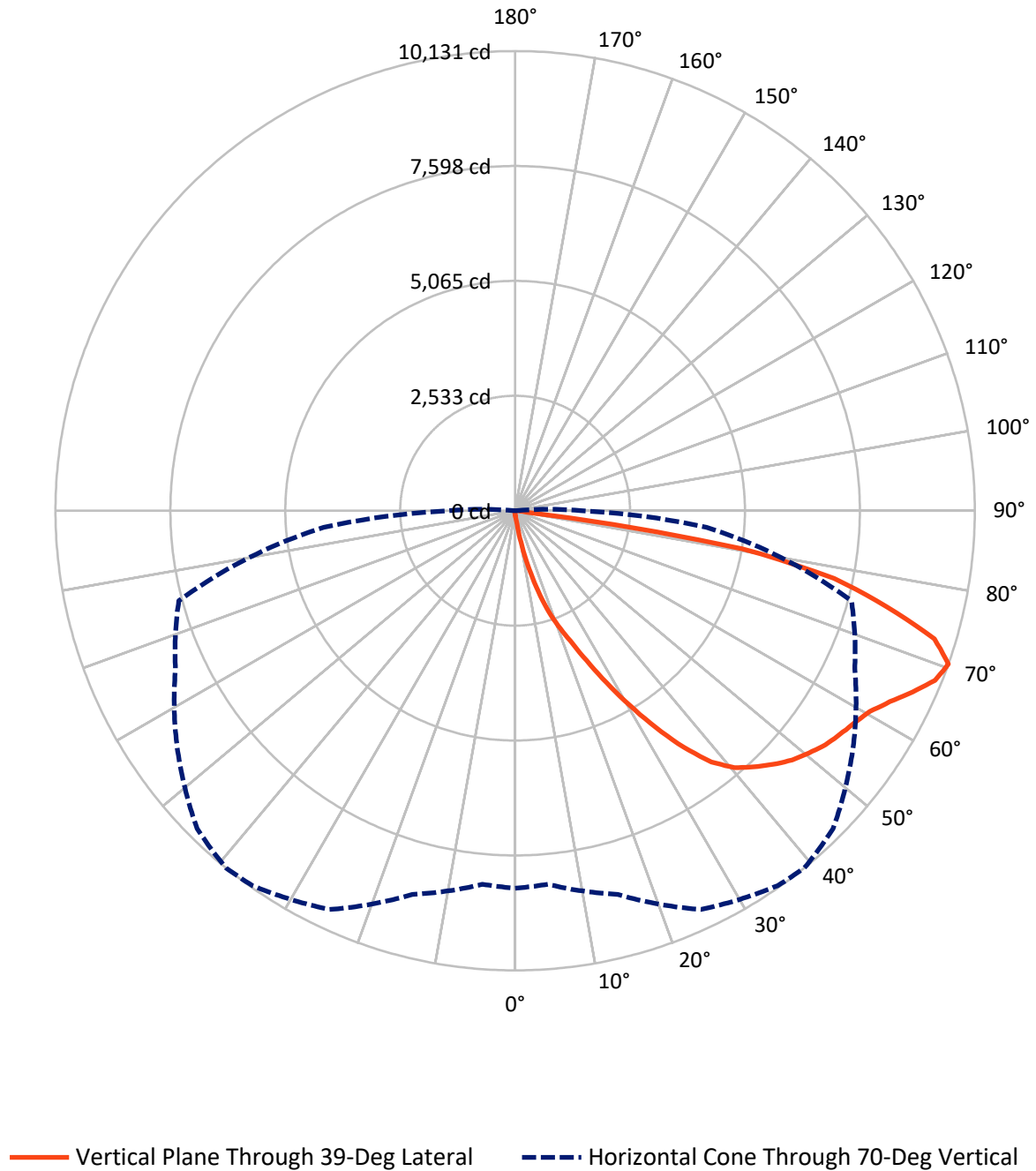


Based on 15 foot mounting height. Maximum calculated value = 17.4 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NVN-SA3D-835-U-T4BC

Luminous Intensity Polar Plot



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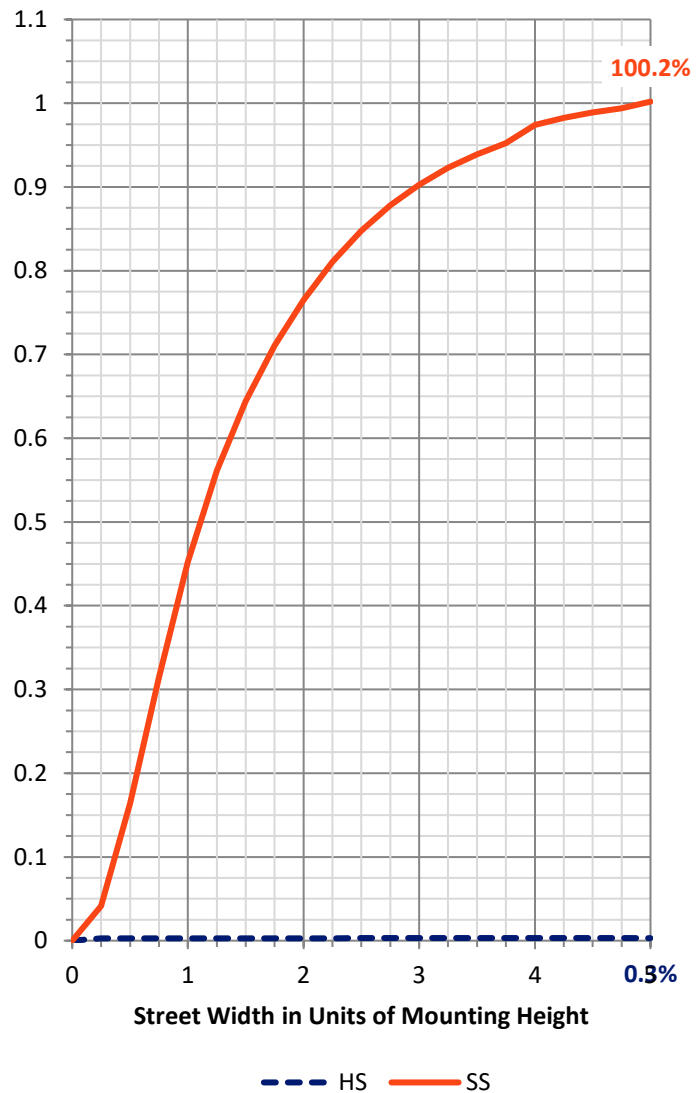
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.2	0.0	49.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	15944.7	0.0	15944.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	15993.9	0.0	15993.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.1
10°-20°	196.6	1.2
20°-30°	667.2	4.2
30°-40°	1568.1	9.8
40°-50°	2546.4	15.9
50°-60°	3226.7	20.2
60°-70°	4098.8	25.6
70°-80°	3330.3	20.8
80°-90°	342.9	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°	15993.9	100.0
0°-180°	15993.9	100.0



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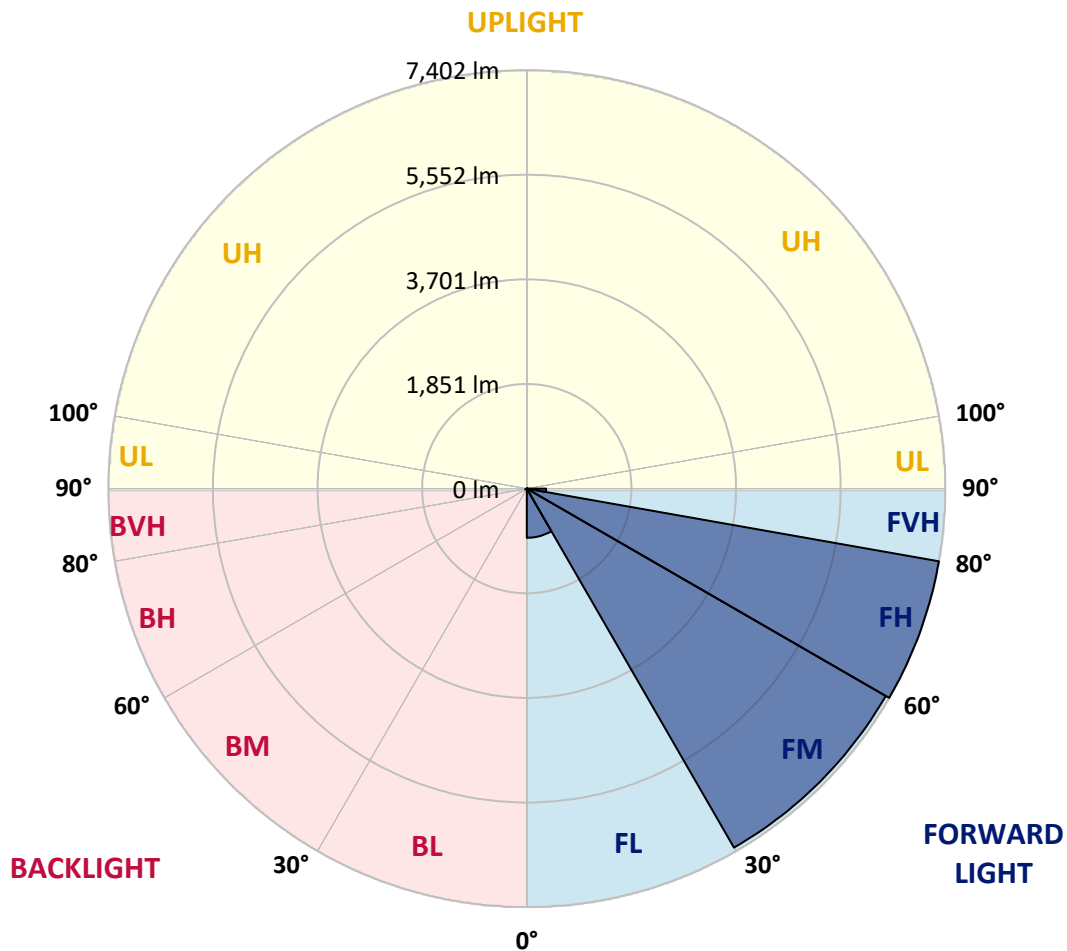
CATALOG NUMBER: NVN-SA3D-835-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	870.0	5.4			
FM	(30°-60°)	7331.8	45.8			
FH	(60°-80°)	7402.0	46.3			G3/7500
FVH	(80°-90°)	340.9	2.1			G3/500
BL	(0°-30°)	10.7	0.1	B0/110		
BM	(30°-60°)	9.5	0.1	B0/220		
BH	(60°-80°)	27.1	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
2.5°	112.9	112.9	112.9	108.6	108.6	104.2	104.2	99.9	95.5	95.5	91.2
5°	212.8	217.1	204.1	178.0	160.7	152.0	143.3	121.6	108.6	99.9	91.2
7.5°	581.9	564.5	538.4	451.6	347.4	295.3	251.9	178.0	130.3	104.2	91.2
10°	1224.5	1176.8	1102.9	985.7	781.6	699.1	542.8	325.7	182.4	117.2	91.2
12.5°	1797.7	1806.4	1715.2	1602.3	1354.8	1215.8	1003.1	612.3	286.6	139.0	91.2
15°	2231.9	2223.3	2188.5	2097.3	1875.9	1741.3	1550.2	1029.1	482.0	173.7	95.5
17.5°	2575.0	2540.2	2527.2	2488.1	2344.8	2271.0	2062.6	1515.5	764.2	234.5	99.9
20°	2918.0	2909.3	2896.3	2852.9	2757.4	2705.3	2544.6	2006.1	1137.7	334.4	108.6
22.5°	3417.4	3369.6	3378.3	3282.8	3204.6	3113.4	2983.2	2527.2	1567.6	477.7	121.6
25°	4003.6	3999.3	3929.8	3886.4	3756.1	3656.2	3482.5	3030.9	2045.2	690.4	134.6
27.5°	4694.0	4646.3	4615.9	4542.1	4407.4	4294.5	4055.7	3530.3	2562.0	929.3	152.0
30°	5414.9	5414.9	5358.4	5245.5	5115.2	4976.3	4733.1	4055.7	3074.4	1233.2	173.7
32.5°	6257.3	6274.6	6135.7	5966.3	5797.0	5701.4	5384.5	4650.6	3565.0	1580.6	199.7
35°	7073.6	7051.9	6821.8	6635.0	6509.1	6404.9	6135.7	5302.0	4120.8	1984.4	234.5
37.5°	7855.2	7798.8	7416.7	7151.8	7095.3	7025.8	6756.6	5953.3	4672.3	2431.7	277.9
40°	8415.4	8328.5	7933.4	7568.6	7486.1	7447.1	7238.6	6543.9	5254.2	2931.1	334.4
42.5°	8658.6	8558.7	8285.1	7989.8	7807.5	7716.3	7533.9	7025.8	5836.1	3486.9	416.9
45°	8706.3	8628.2	8432.8	8363.3	8115.8	7976.8	7729.3	7368.9	6378.8	4038.3	529.8
47.5°	8532.6	8497.9	8380.6	8528.3	8402.4	8211.3	7911.7	7625.1	6860.8	4707.1	686.1
50°	8107.1	8081.0	8137.5	8523.9	8610.8	8393.7	8111.4	7824.8	7277.7	5397.5	907.5
52.5°	7533.9	7529.6	7794.4	8411.0	8702.0	8567.4	8306.8	8024.6	7607.7	6066.2	1220.2
55°	6908.6	6982.4	7447.1	8306.8	8754.1	8693.3	8497.9	8202.6	7903.0	6687.1	1723.9
57.5°	6856.5	6826.1	7273.4	8263.4	8784.5	8819.2	8689.0	8389.3	8154.8	7195.2	2397.0
60°	7377.6	7308.1	7477.4	8354.6	8919.1	8979.9	8880.0	8532.6	8406.7	7594.7	3282.8
62.5°	7981.2	7916.0	8002.9	8706.3	9184.0	9270.8	9144.9	8680.3	8610.8	7872.6	4233.7
65°	8463.2	8411.0	8576.1	9231.7	9553.1	9626.9	9540.0	8953.8	8702.0	8098.4	5006.7
67.5°	8541.3	8476.2	8819.2	9583.5	9926.5	9978.6	9909.1	9218.7	8671.6	8115.8	5184.7
70°	8319.9	8263.4	8754.1	9696.4	10087.2	10130.6	9909.1	9092.8	8259.1	7672.9	4238.1
72.5°	7638.1	7681.5	8315.5	9422.8	9865.7	9666.0	9197.0	8458.8	7725.0	6504.8	2974.5
75°	6578.6	6626.4	7468.8	8671.6	8706.3	8463.2	8211.3	7781.4	6912.9	4285.9	2062.6
77.5°	4676.7	4507.3	5766.6	7160.5	7034.5	7190.9	7212.6	6474.4	5788.3	2231.9	1380.9
80°	460.3	390.8	725.2	2053.9	4537.7	5071.8	5280.2	4989.3	4268.5	998.7	725.2
82.5°	99.9	99.9	108.6	117.2	182.4	273.6	1254.9	3074.4	2757.4	508.0	234.5
85°	56.4	56.4	69.5	82.5	108.6	121.6	143.3	191.1	742.5	182.4	43.4
87.5°	43.4	47.8	56.4	69.5	91.2	99.9	121.6	152.0	186.7	169.3	13.0
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-SA3D-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
2.5°	91.2	86.8	82.5	78.2	73.8	73.8	69.5	69.5	69.5	69.5	69.5
5°	86.8	82.5	78.2	69.5	65.1	60.8	56.4	56.4	56.4	56.4	56.4
7.5°	86.8	82.5	73.8	65.1	56.4	52.1	47.8	43.4	43.4	47.8	47.8
10°	86.8	78.2	65.1	56.4	47.8	43.4	39.1	34.7	34.7	34.7	34.7
12.5°	82.5	73.8	60.8	52.1	43.4	34.7	26.1	21.7	21.7	21.7	21.7
15°	78.2	69.5	56.4	43.4	30.4	21.7	17.4	13.0	13.0	13.0	13.0
17.5°	78.2	65.1	52.1	39.1	21.7	13.0	8.7	4.3	4.3	4.3	8.7
20°	78.2	65.1	47.8	30.4	13.0	8.7	8.7	4.3	0.0	4.3	4.3
22.5°	78.2	60.8	39.1	21.7	13.0	8.7	4.3	0.0	0.0	0.0	0.0
25°	82.5	60.8	34.7	17.4	8.7	4.3	0.0	0.0	0.0	0.0	0.0
27.5°	82.5	56.4	30.4	13.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	86.8	56.4	26.1	8.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	86.8	52.1	17.4	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	86.8	47.8	13.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	86.8	43.4	13.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	91.2	39.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	95.5	34.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	99.9	30.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	112.9	30.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	130.3	30.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	156.3	30.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	204.1	26.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	295.3	26.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	495.0	26.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	868.5	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1467.7	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1915.0	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1454.7	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	694.8	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	308.3	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	134.6	13.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	52.1	8.7	4.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0
82.5°	21.7	8.7	4.3	4.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0
85°	13.0	8.7	8.7	8.7	4.3	4.3	4.3	0.0	0.0	0.0	0.0
87.5°	8.7	8.7	8.7	8.7	8.7	4.3	4.3	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

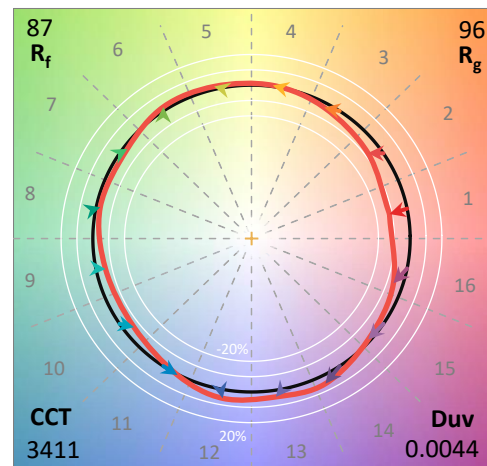
Test Information

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

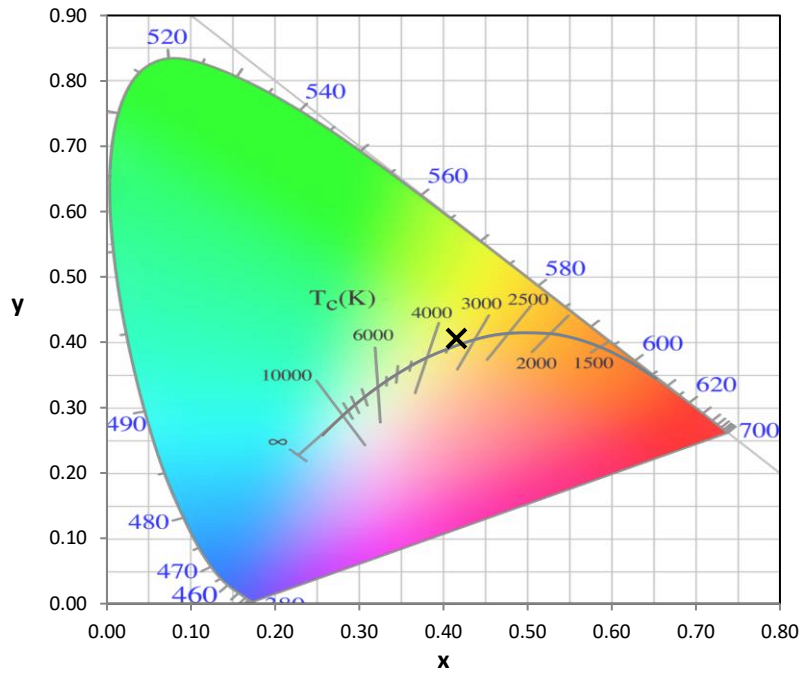
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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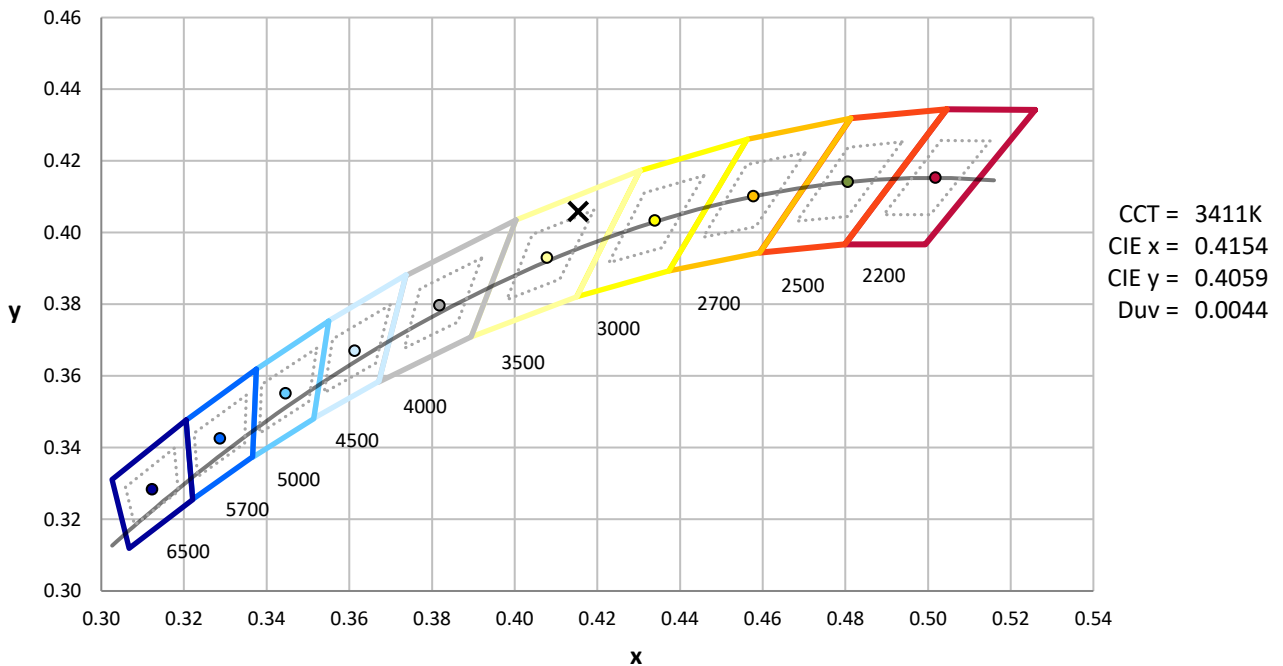
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



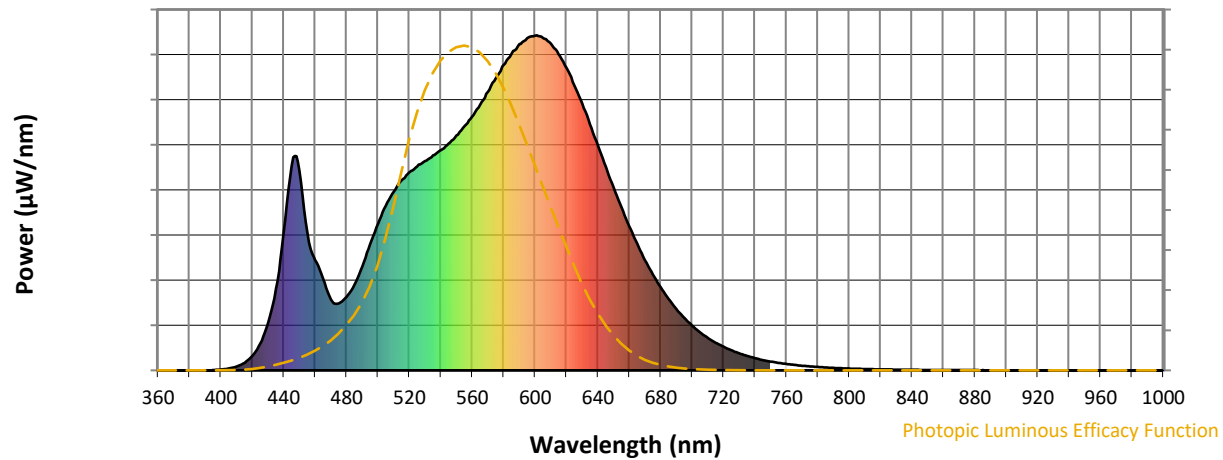
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

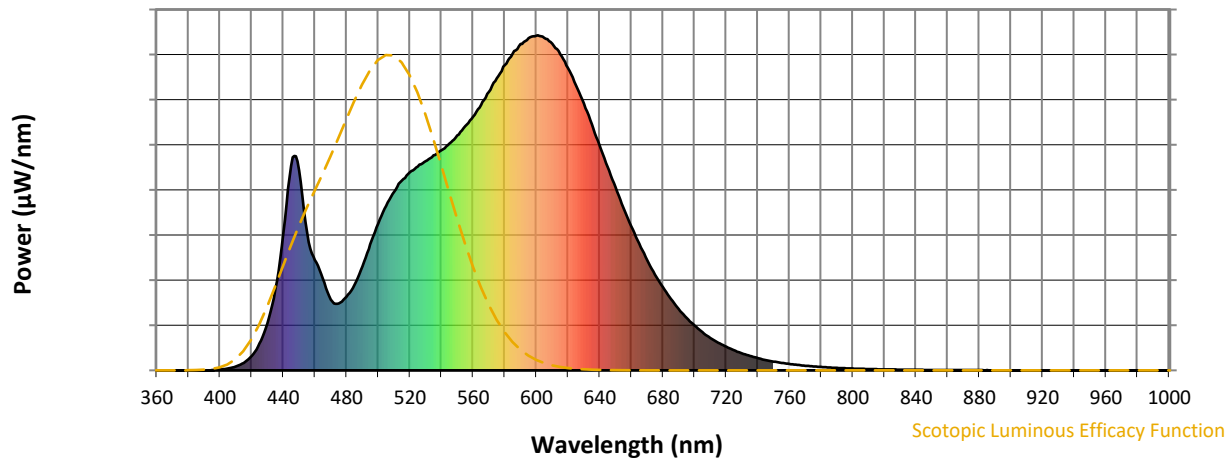


Photopic Lumens: NR

λ (nm)	Power 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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Scotopic Flux vs. Wavelength



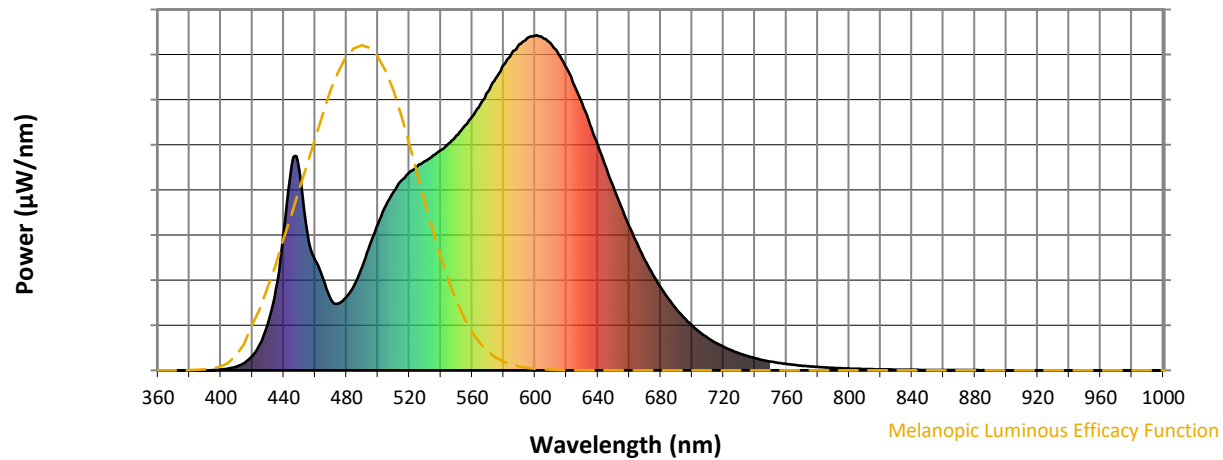
Scotopic Lumens: NR

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

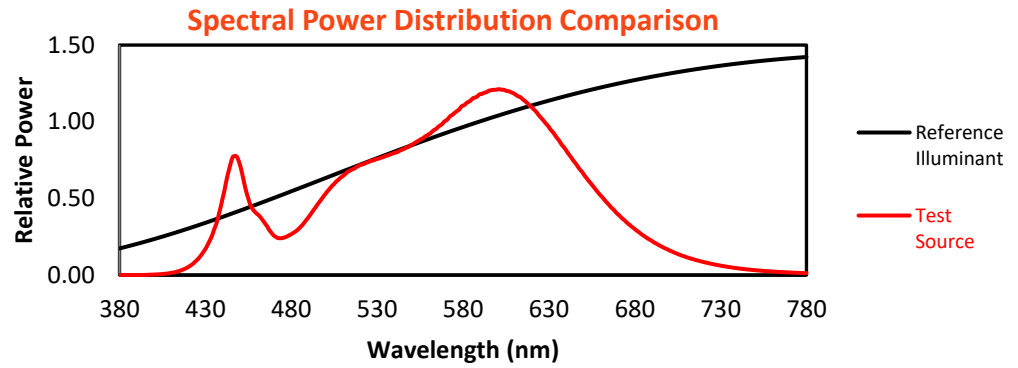
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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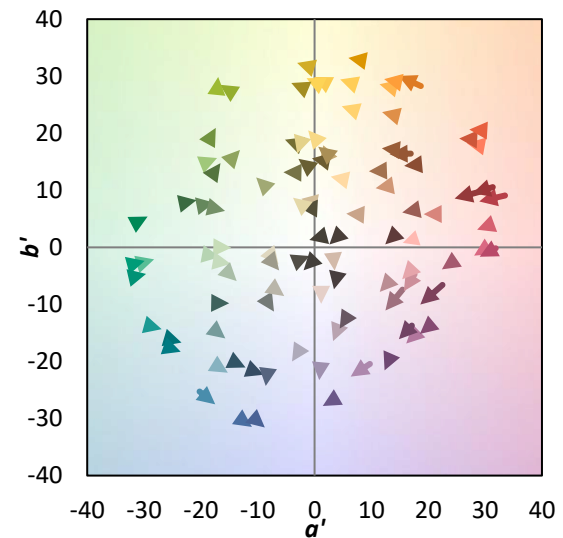
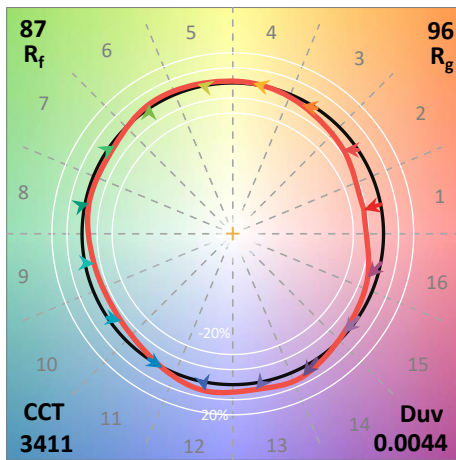
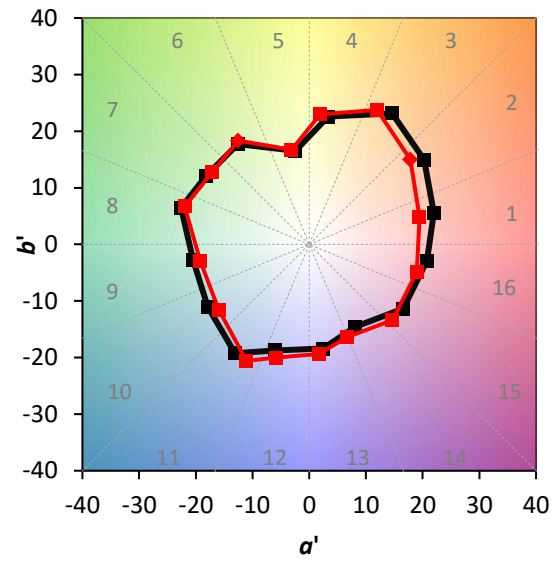
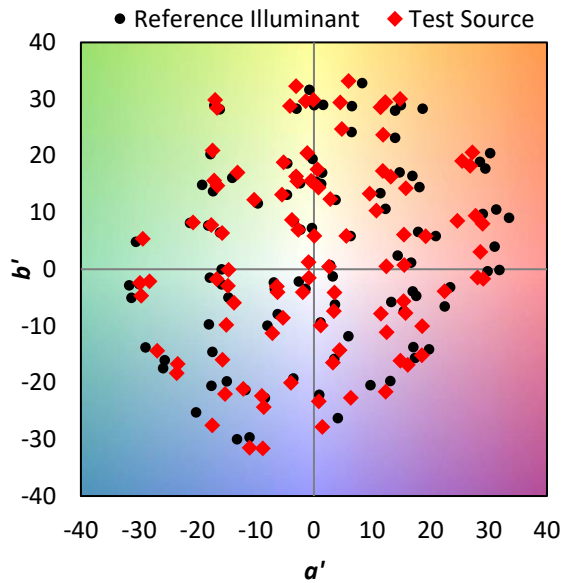
TM-30-18

Summary

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

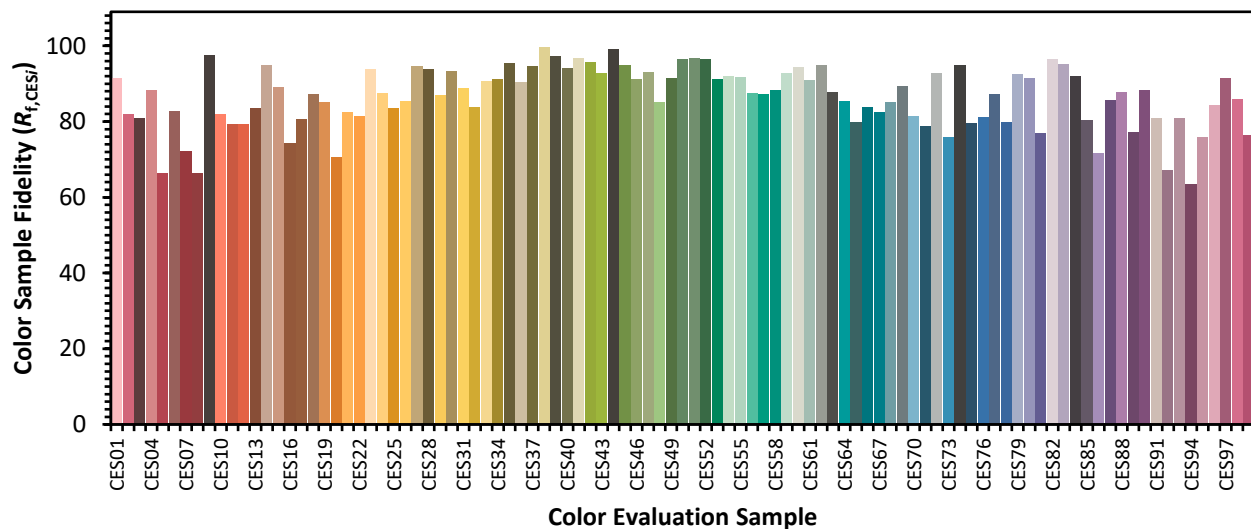


Color Vector Graphics

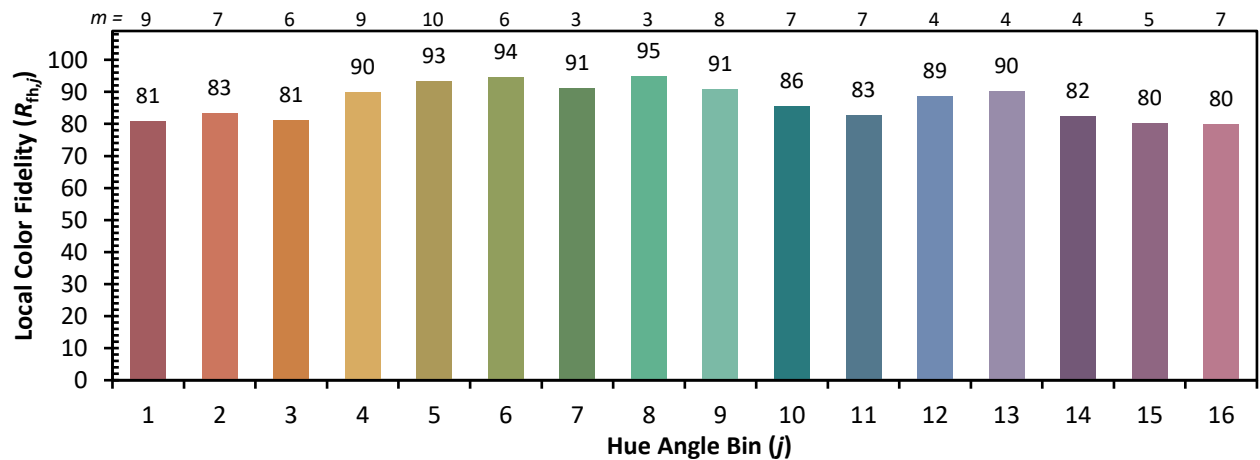
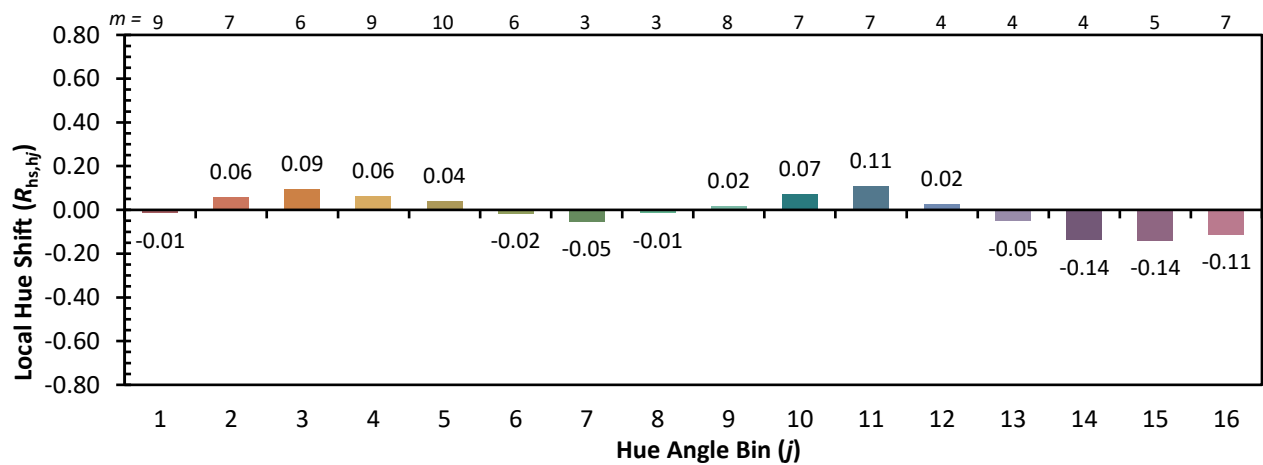
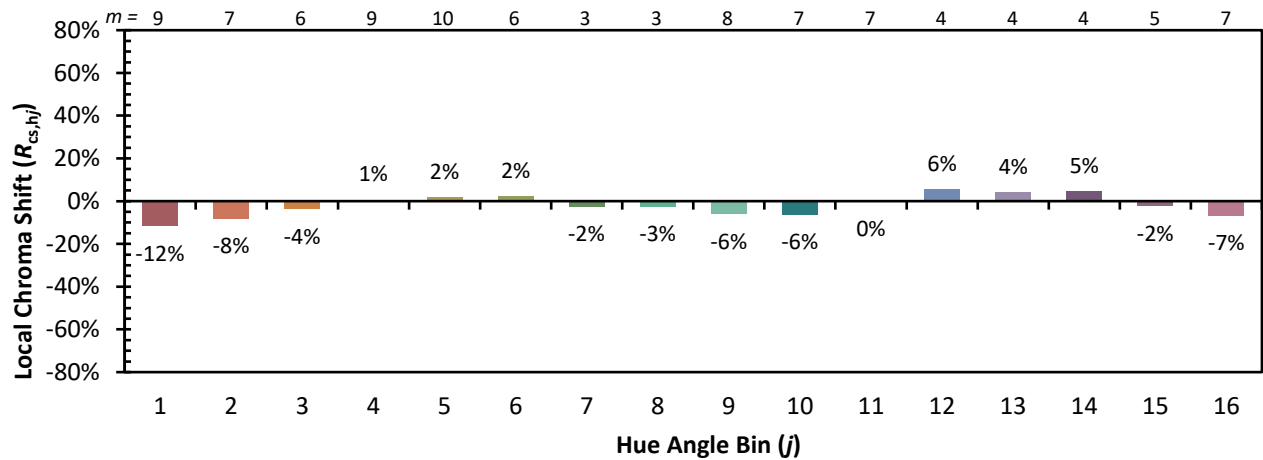


Individual Sample Fidelity Index ($R_{f,i}$)

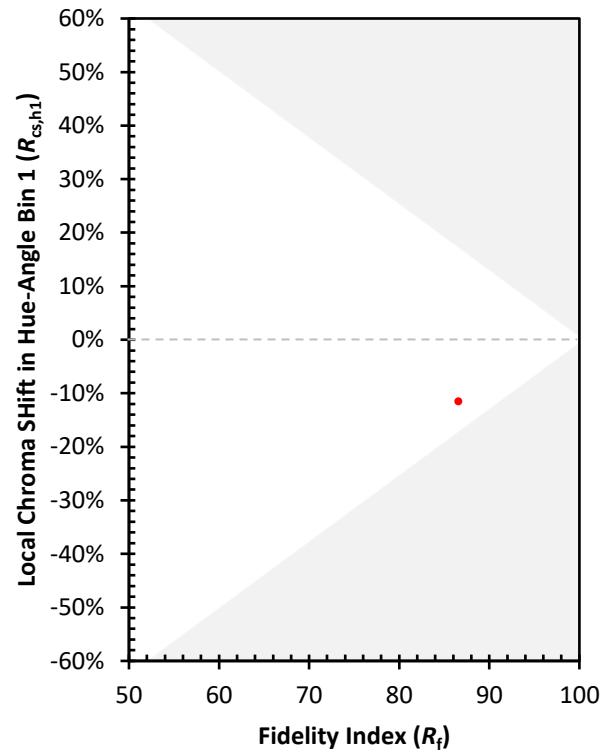
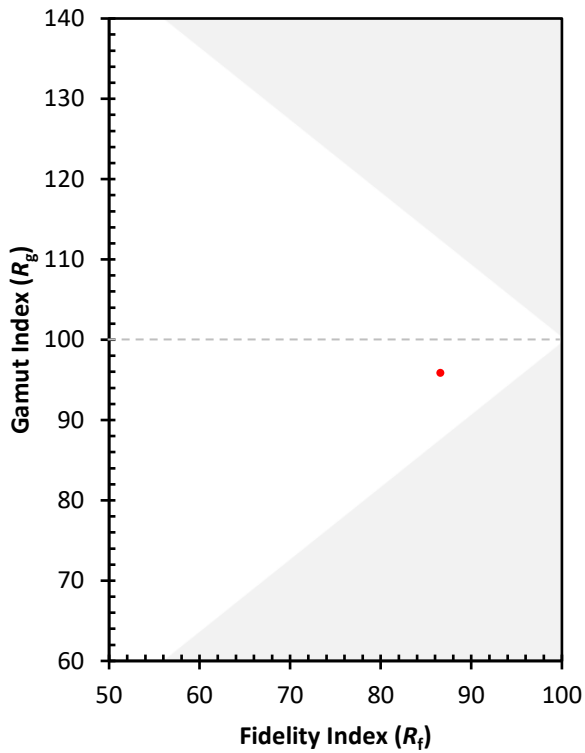
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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