

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: P1066174

Luminaire Tested: **NVN-SA3B-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066174
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-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11577.8 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

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

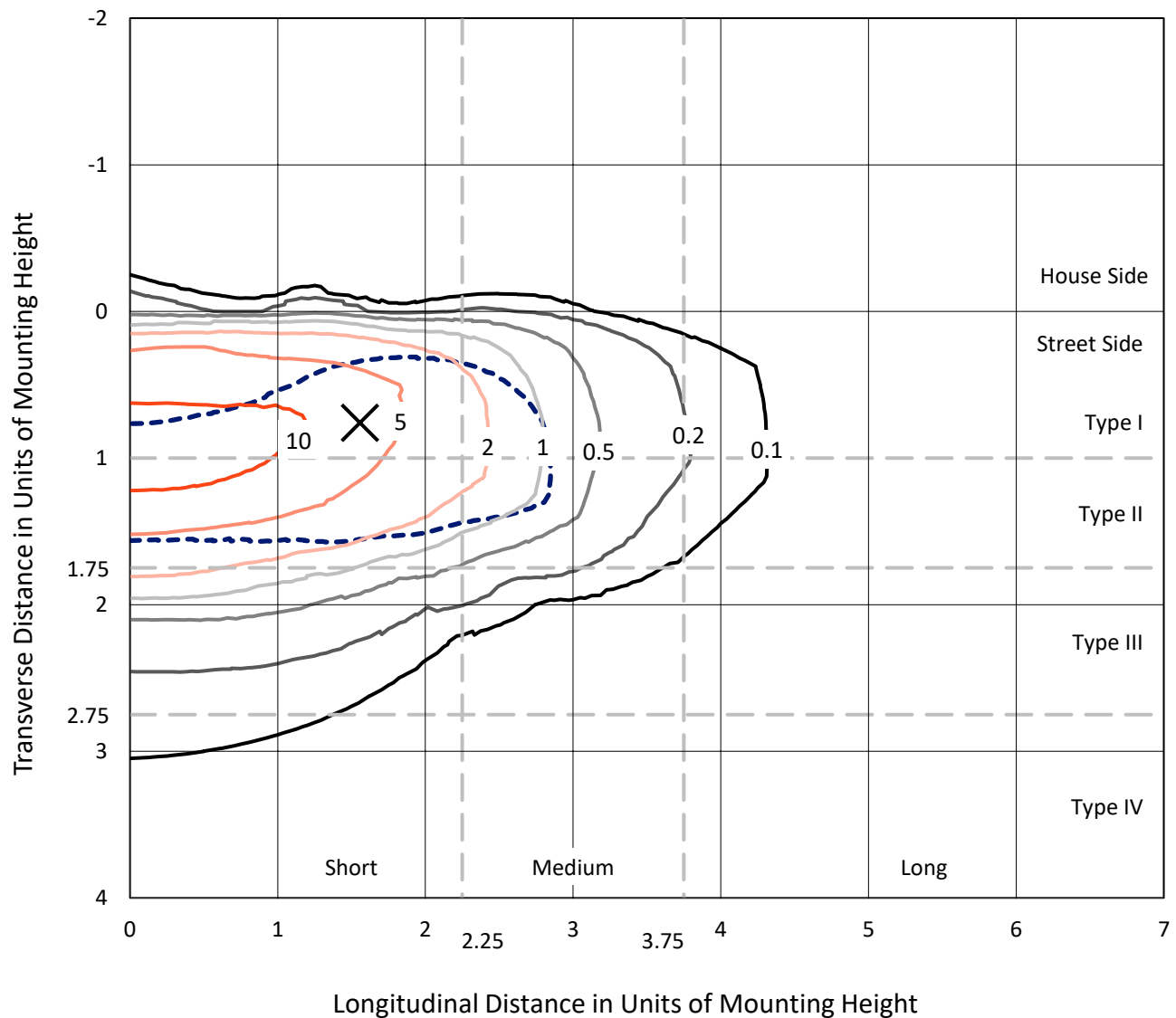


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CATALOG NUMBER: NVN-SA3B-835-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

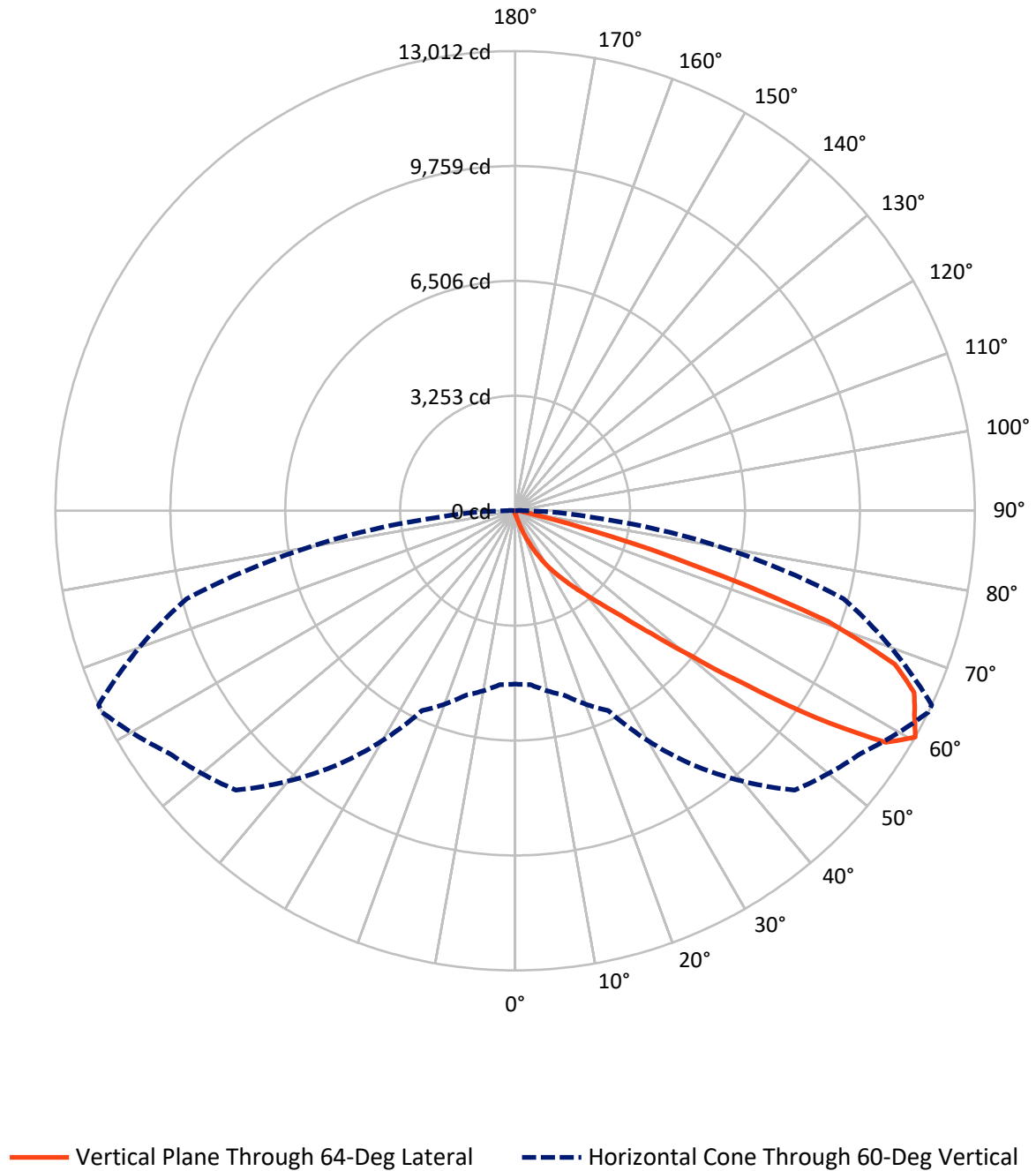


Based on 15 foot mounting height. Maximum calculated value = 16.6 fc
 Type II - Short - N/A

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CATALOG NUMBER: NVN-SA3B-835-U-T2BC

Luminous Intensity Polar Plot



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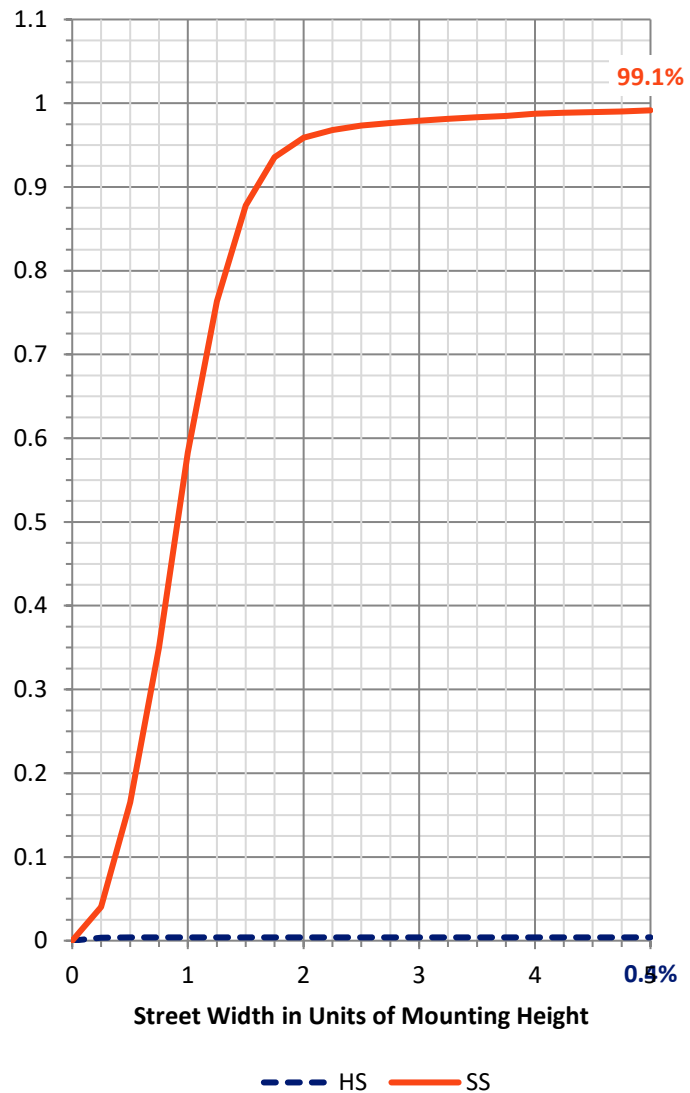
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	46.9	0.0	46.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	11530.8	0.0	11530.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	11577.8	0.0	11577.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.1
10°-20°	113.8	1.0
20°-30°	377.9	3.3
30°-40°	1008.3	8.7
40°-50°	2562.8	22.1
50°-60°	3736.0	32.3
60°-70°	2885.7	24.9
70°-80°	792.5	6.8
80°-90°	89.5	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°	11577.8	100.0
0°-180°	11577.8	100.0



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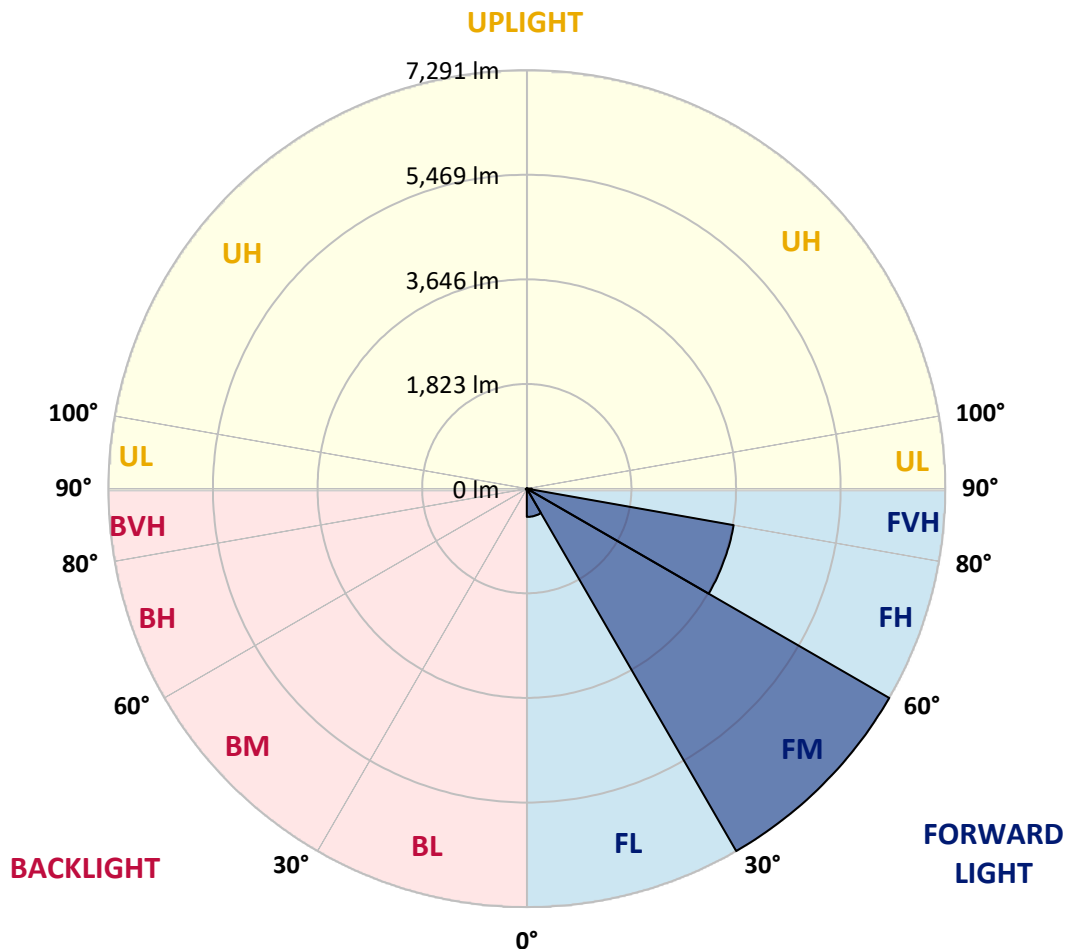
CATALOG NUMBER: NVN-SA3B-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	492.6	4.3			
FM	(30°-60°)	7291.4	63.0			
FH	(60°-80°)	3659.4	31.6			G2/5000
FVH	(80°-90°)	87.3	0.8			G1/100
BL	(0°-30°)	10.5	0.1	B0/110		
BM	(30°-60°)	15.6	0.1	B0/220		
BH	(60°-80°)	18.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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 II Short



REPORT NUMBER: P1066174

CATALOG NUMBER: NVN-SA3B-835-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
2.5°	102.0	102.0	102.0	98.8	95.6	95.6	92.4	89.2	89.2	82.9	79.7
5°	156.2	156.2	149.8	143.4	133.9	121.1	108.4	98.8	98.8	89.2	82.9
7.5°	305.9	315.5	286.8	251.8	204.0	172.1	137.0	114.7	111.5	95.6	82.9
10°	662.9	656.5	611.9	525.8	414.3	299.6	191.2	140.2	133.9	102.0	82.9
12.5°	997.5	1007.1	959.3	863.7	729.8	532.2	328.3	181.7	175.3	111.5	82.9
15°	1284.3	1284.3	1252.5	1204.7	1058.1	850.9	529.0	270.9	248.6	121.1	79.7
17.5°	1481.9	1478.7	1466.0	1453.2	1367.2	1153.7	809.5	433.4	382.4	143.4	79.7
20°	1705.0	1695.5	1711.4	1685.9	1619.0	1450.1	1105.9	643.8	596.0	181.7	79.7
22.5°	1937.7	1947.2	1960.0	1934.5	1861.2	1714.6	1418.2	914.7	863.7	251.8	82.9
25°	2234.0	2227.7	2256.4	2234.0	2141.6	1969.5	1711.4	1211.0	1137.7	350.6	89.2
27.5°	2597.4	2584.6	2603.7	2546.4	2425.3	2250.0	1972.7	1513.8	1427.7	503.5	102.0
30°	3078.6	3088.1	3002.1	2935.2	2763.1	2530.4	2262.7	1838.9	1749.6	685.2	114.7
32.5°	3837.1	3770.2	3636.3	3365.4	3139.1	2842.8	2552.7	2122.5	2042.8	917.8	133.9
35°	5019.4	5032.2	4739.0	4069.7	3578.9	3234.7	2871.4	2434.8	2377.5	1182.4	159.3
37.5°	6459.9	6424.9	6166.7	5322.2	4222.7	3722.3	3234.7	2775.8	2693.0	1469.2	191.2
40°	8091.6	7945.0	7795.3	7221.6	5564.4	4334.2	3693.7	3171.0	3107.3	1800.6	242.2
42.5°	9398.3	9360.0	9385.5	9146.5	7801.6	5376.4	4302.4	3655.4	3578.9	2211.7	331.4
45°	10042.0	9987.9	10140.8	10319.3	9975.1	7594.5	5283.9	4273.7	4171.7	2696.2	468.5
47.5°	9870.0	9831.7	10160.0	10510.5	10969.4	10166.3	6887.0	5197.9	5022.6	3317.6	672.4
50°	9022.2	9025.4	9564.0	10217.3	10944.0	11469.8	9261.2	6463.1	6243.2	4143.0	991.1
52.5°	8196.8	8222.3	8792.8	9745.7	10564.7	11622.8	11345.5	8168.1	7811.2	5115.0	1367.2
55°	7349.1	7361.8	7865.4	9207.1	10386.2	11167.0	12416.3	10363.9	9984.7	6326.1	1733.7
57.5°	6533.2	6533.2	6721.3	7913.2	10191.8	11125.6	12288.8	12371.7	12062.6	7709.2	2004.6
60°	4907.9	4939.8	5408.2	6243.2	8789.6	11186.2	11963.8	13012.3	13012.3	9627.7	2211.7
62.5°	2479.4	2527.2	3110.5	3923.1	6029.7	10351.2	12014.8	12690.4	12741.4	11320.0	2683.4
65°	1163.2	1217.4	1529.7	2103.4	3244.3	7285.3	11485.7	12416.3	12400.4	10998.1	3677.7
67.5°	835.0	850.9	956.1	1227.0	1746.4	3193.3	8767.3	11597.3	11603.6	9344.1	4229.1
70°	748.9	748.9	774.4	854.1	1051.7	1427.7	4260.9	9391.9	9847.6	7215.2	3919.9
72.5°	739.4	733.0	726.6	729.8	710.7	717.1	1462.8	5303.1	5953.2	5048.1	3126.4
75°	720.2	720.2	713.9	691.6	567.3	462.1	503.5	2144.8	2479.4	3371.8	2320.1
77.5°	570.5	627.8	694.8	653.3	519.5	347.4	293.2	621.5	784.0	2068.3	1682.7
80°	264.5	267.7	264.5	277.3	331.4	248.6	216.7	302.8	305.9	1147.3	1042.1
82.5°	191.2	194.4	184.8	165.7	146.6	133.9	178.5	223.1	239.0	525.8	388.8
85°	57.4	54.2	63.7	86.0	102.0	117.9	149.8	188.0	197.6	194.4	57.4
87.5°	25.5	25.5	31.9	44.6	60.6	89.2	130.7	172.1	175.3	200.8	15.9
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-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
2.5°	79.7	76.5	73.3	70.1	66.9	63.7	60.6	60.6	63.7	63.7	63.7
5°	76.5	73.3	66.9	60.6	57.4	54.2	51.0	51.0	54.2	54.2	54.2
7.5°	76.5	70.1	63.7	57.4	51.0	47.8	44.6	44.6	44.6	47.8	47.8
10°	76.5	70.1	60.6	51.0	44.6	41.4	38.2	35.1	38.2	38.2	38.2
12.5°	73.3	66.9	57.4	47.8	38.2	31.9	28.7	28.7	28.7	28.7	28.7
15°	70.1	63.7	54.2	41.4	31.9	25.5	19.1	19.1	19.1	22.3	22.3
17.5°	66.9	60.6	47.8	31.9	22.3	15.9	12.7	12.7	12.7	15.9	15.9
20°	66.9	57.4	41.4	25.5	15.9	9.6	6.4	6.4	6.4	9.6	12.7
22.5°	66.9	57.4	38.2	19.1	9.6	6.4	3.2	3.2	3.2	3.2	3.2
25°	66.9	54.2	35.1	15.9	6.4	3.2	0.0	0.0	3.2	6.4	9.6
27.5°	66.9	51.0	28.7	9.6	6.4	3.2	0.0	3.2	6.4	6.4	6.4
30°	66.9	51.0	25.5	9.6	3.2	0.0	0.0	3.2	6.4	6.4	9.6
32.5°	70.1	47.8	22.3	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	73.3	44.6	19.1	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	79.7	44.6	12.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	89.2	47.8	12.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	111.5	51.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	156.2	63.7	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	229.5	95.6	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	334.6	130.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	411.1	130.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	407.9	82.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	312.3	57.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	264.5	41.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	318.7	31.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	567.3	28.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	911.5	28.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1019.8	28.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	796.7	25.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	436.6	22.3	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	219.9	15.9	6.4	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	92.4	12.7	6.4	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
82.5°	31.9	12.7	6.4	6.4	3.2	3.2	0.0	0.0	0.0	0.0	0.0
85°	15.9	9.6	9.6	6.4	6.4	3.2	3.2	0.0	0.0	0.0	0.0
87.5°	9.6	9.6	9.6	6.4	6.4	3.2	3.2	0.0	0.0	0.0	3.2
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

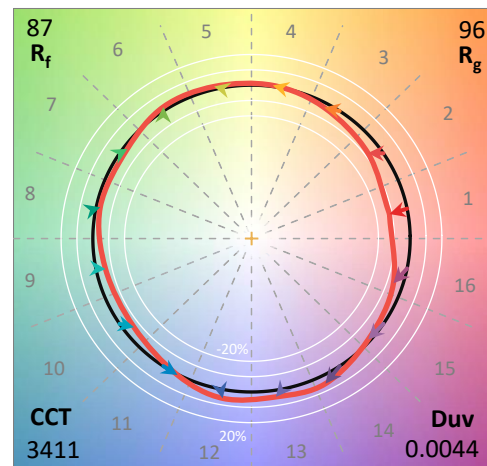
Test Information

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

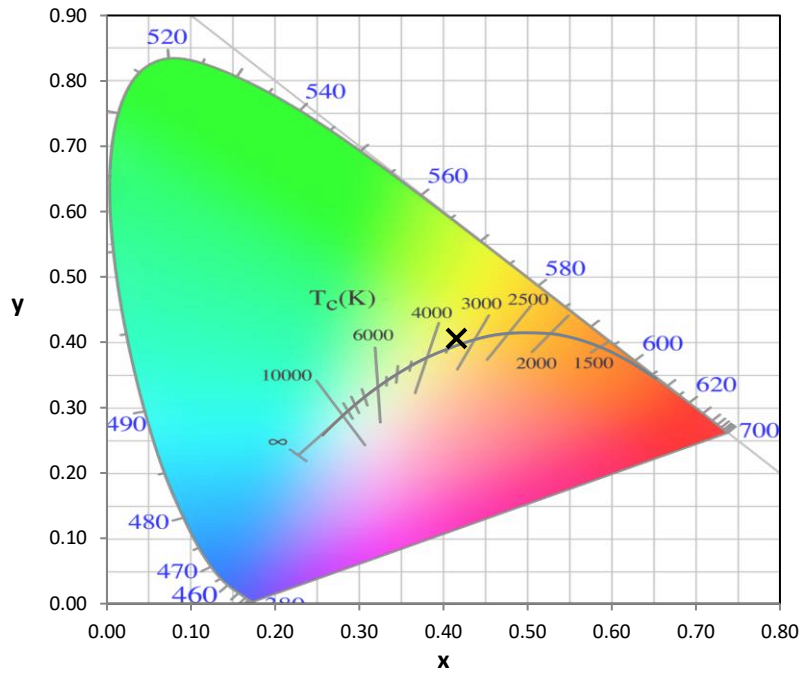
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

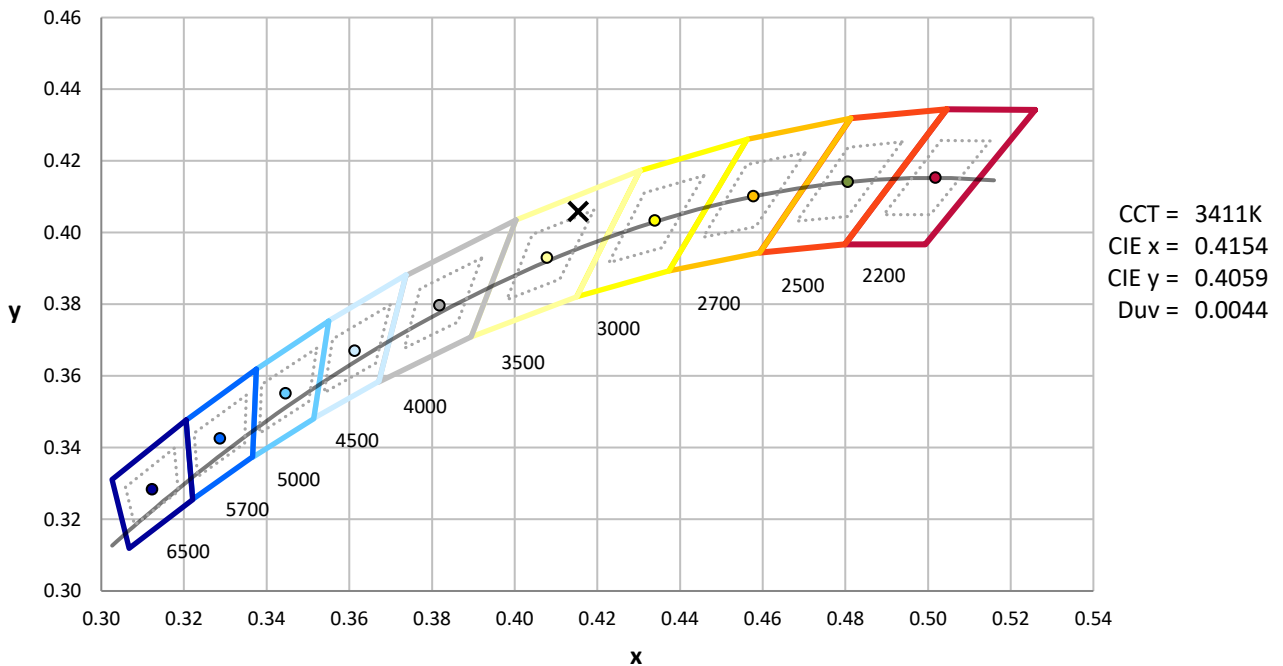
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



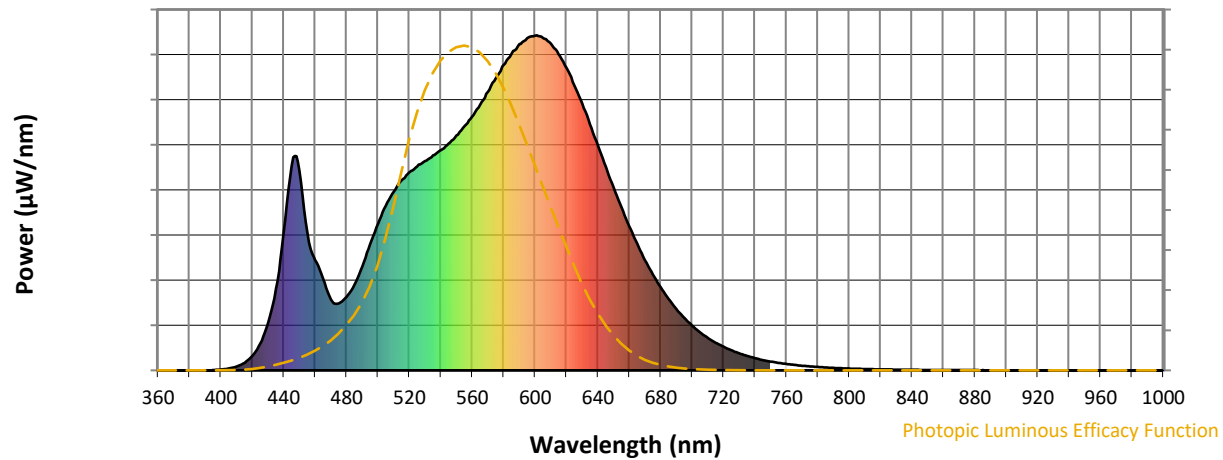
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

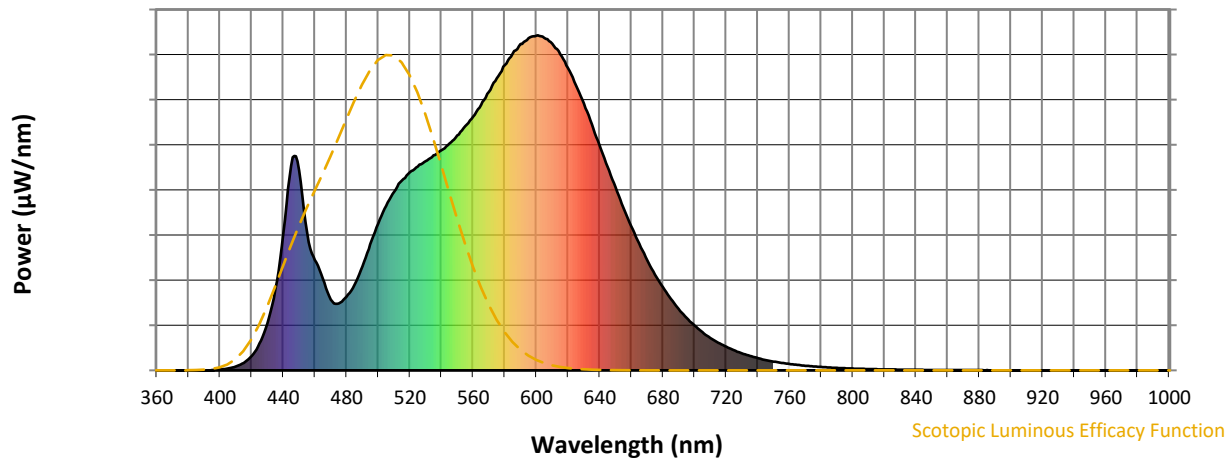


Photopic Lumens: NR

λ (nm)	Power W ^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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Scotopic Flux vs. Wavelength



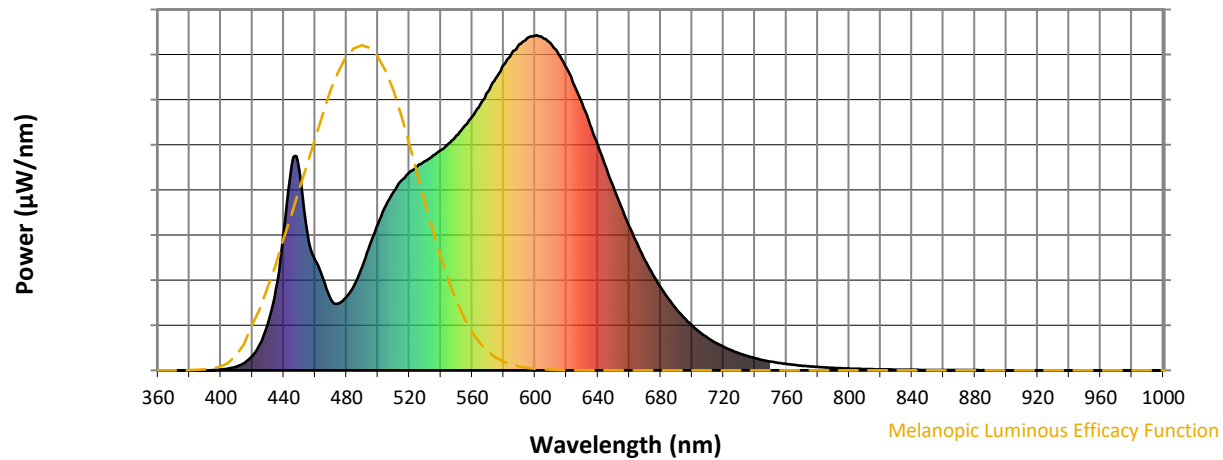
Scotopic Lumens: NR

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

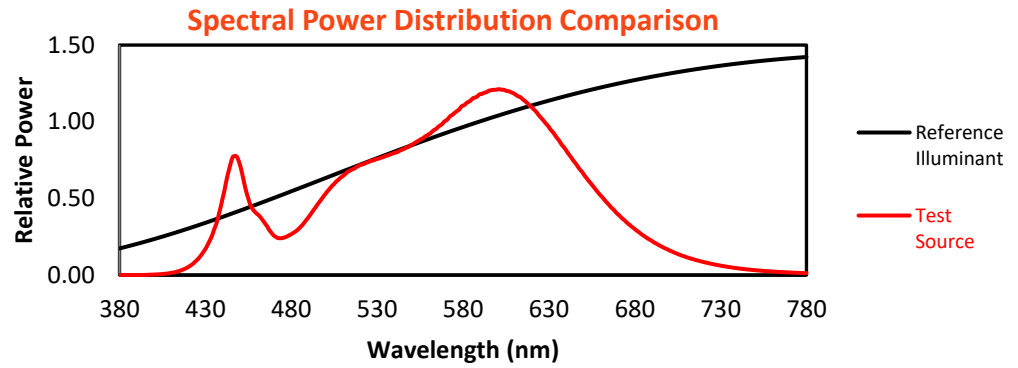
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	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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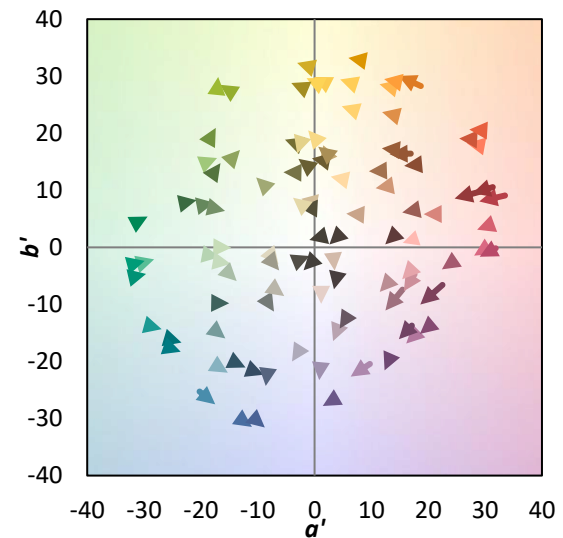
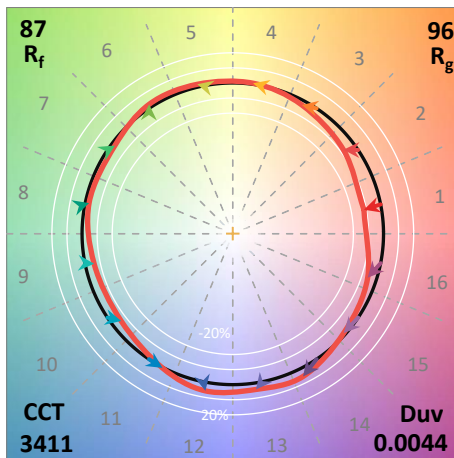
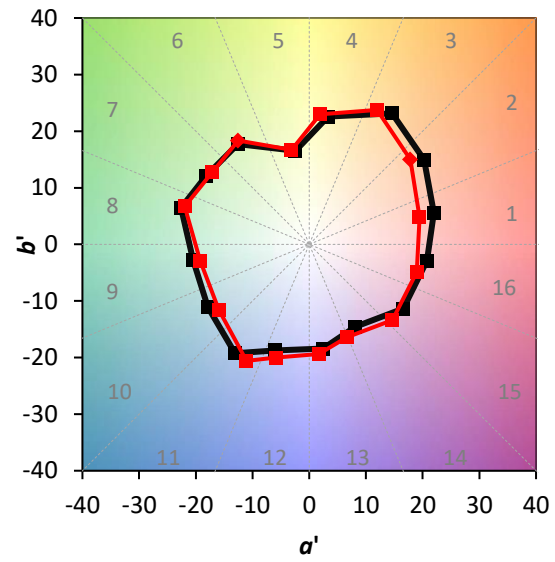
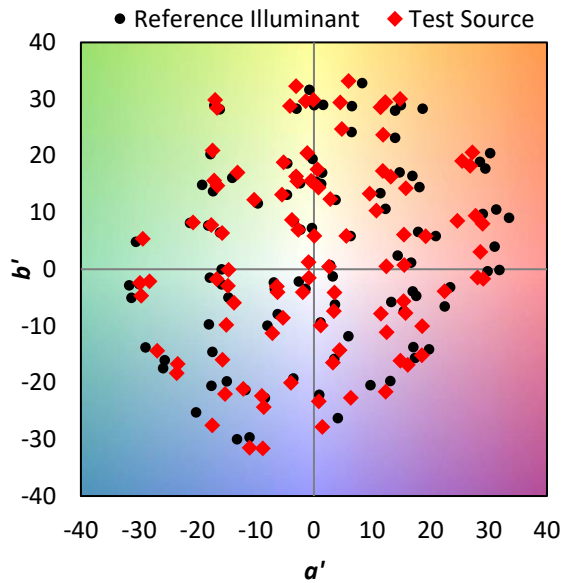
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$

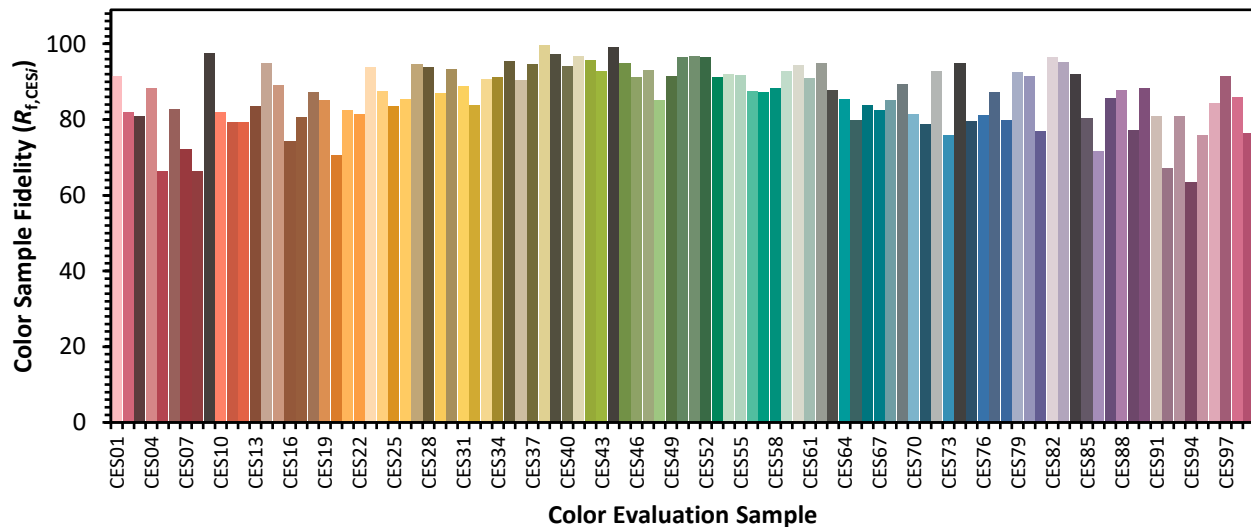


Color Vector Graphics

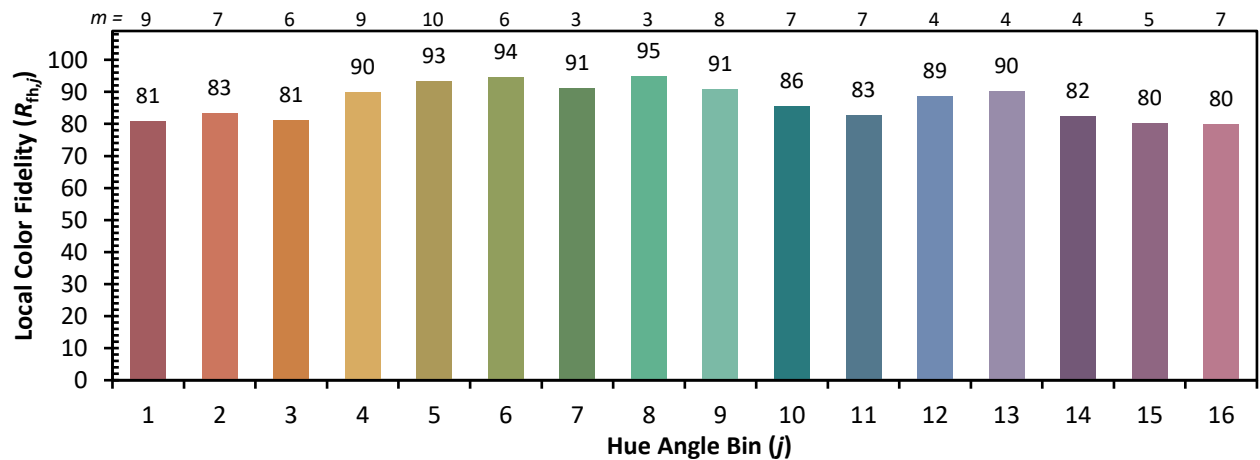
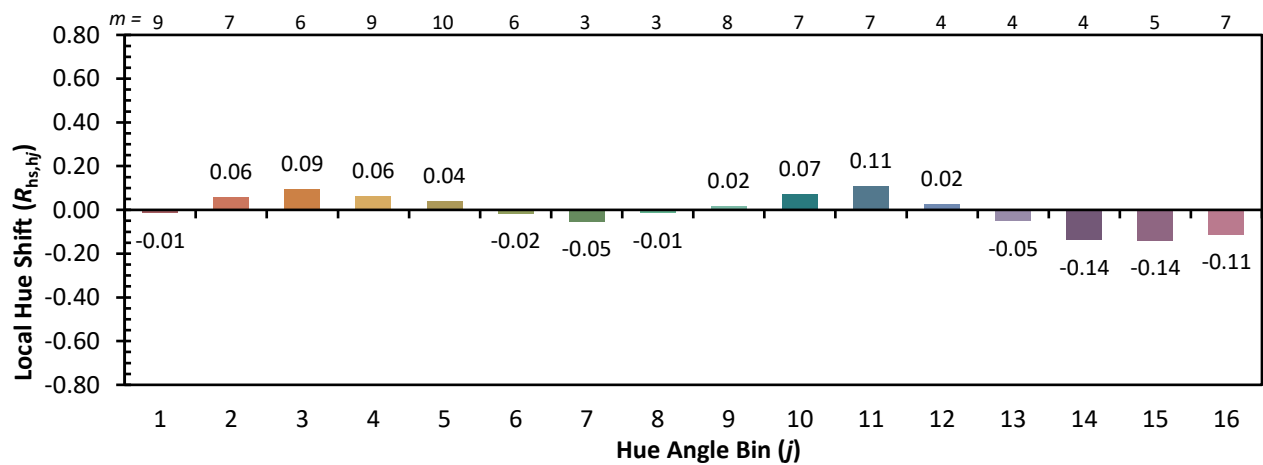
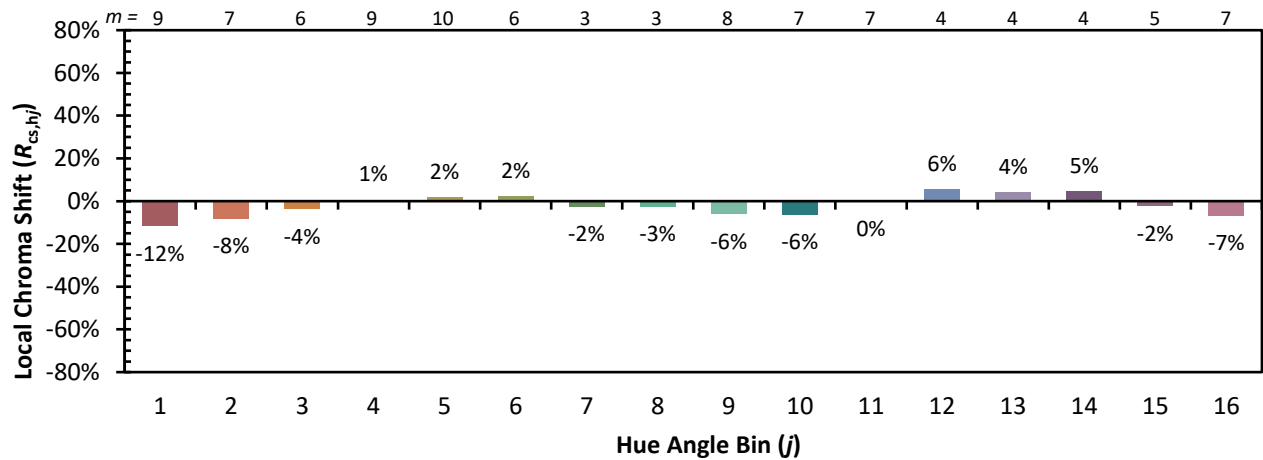


Individual Sample Fidelity Index ($R_{f,i}$)

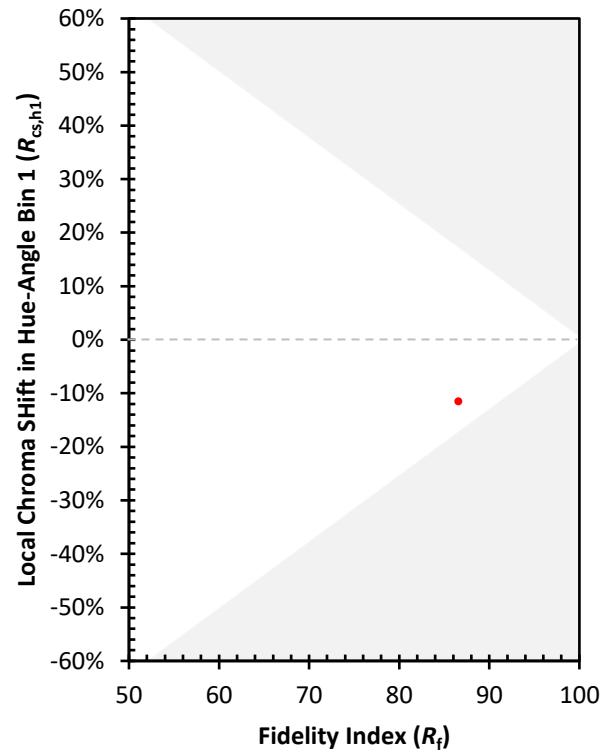
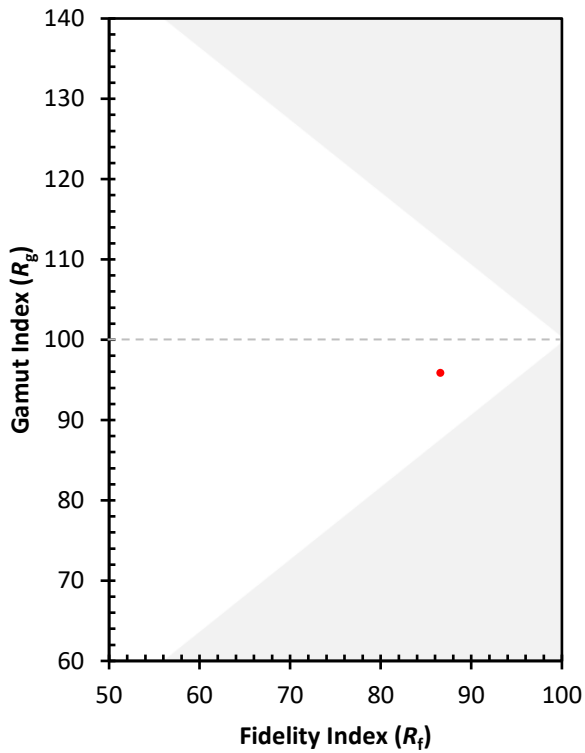
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57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