

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: P1066412

Luminaire Tested: **NVN-SA2D-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066412
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA2D-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10745.9 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107
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



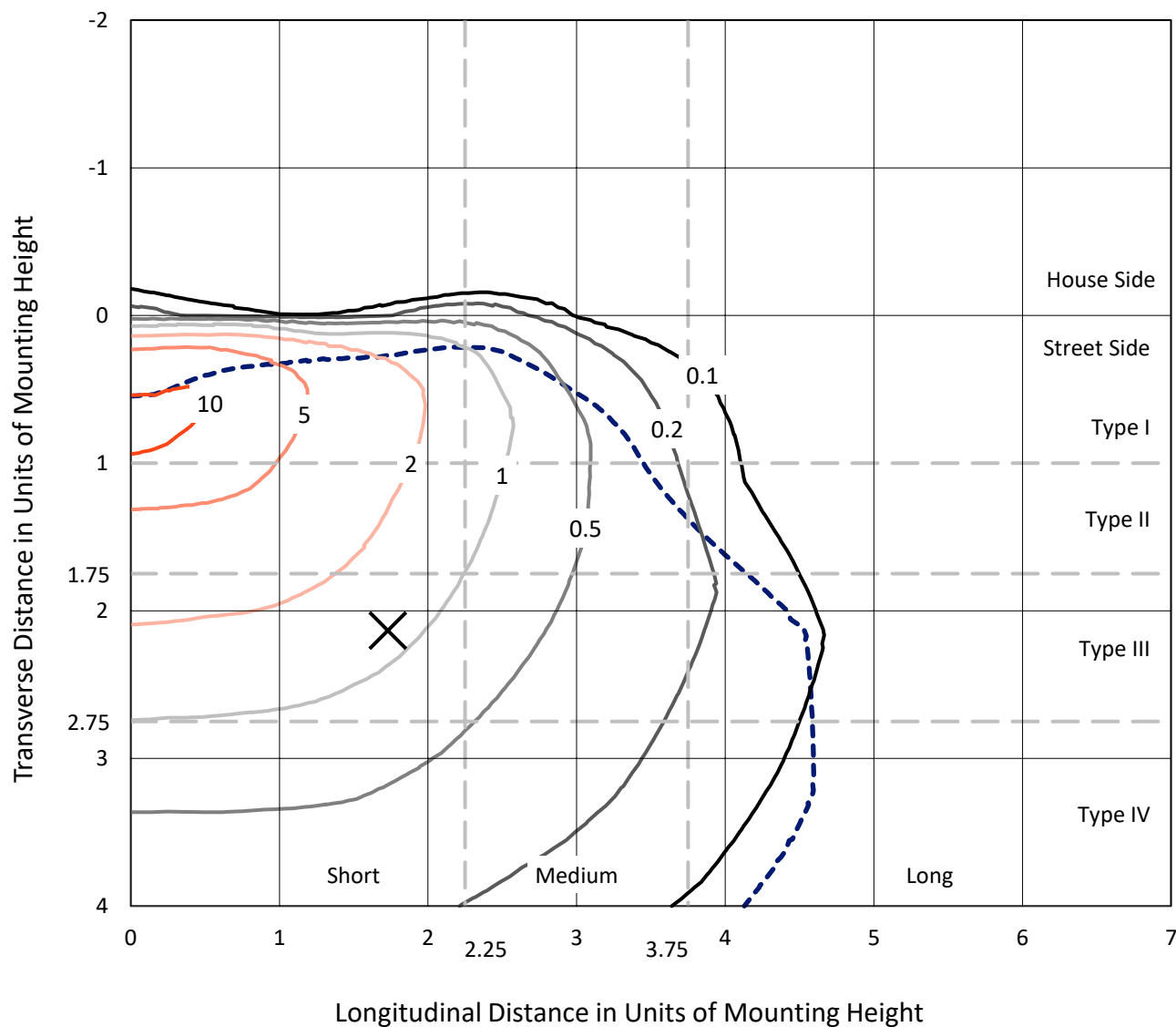
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CATALOG NUMBER: NVN-SA2D-835-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

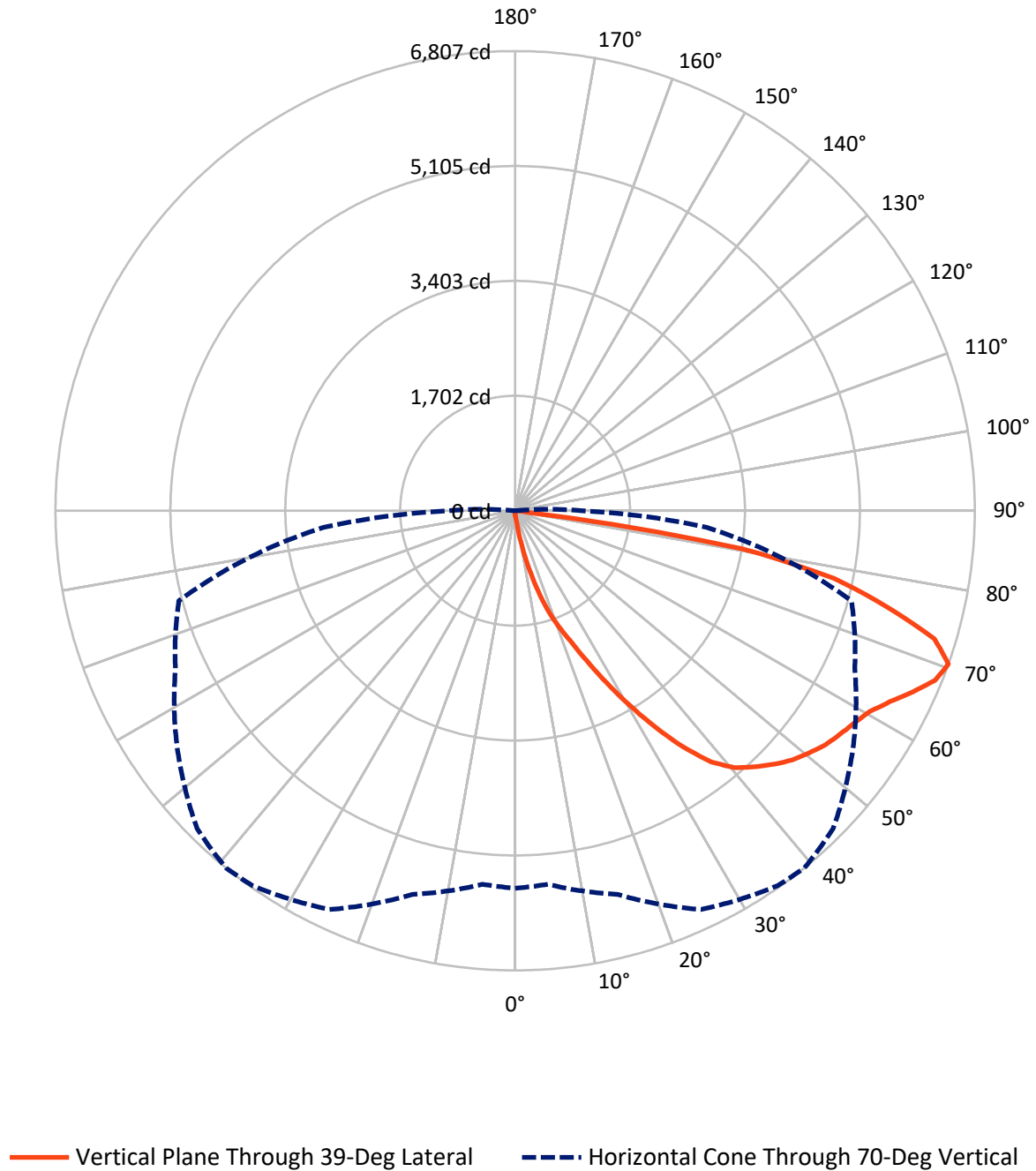


Based on 15 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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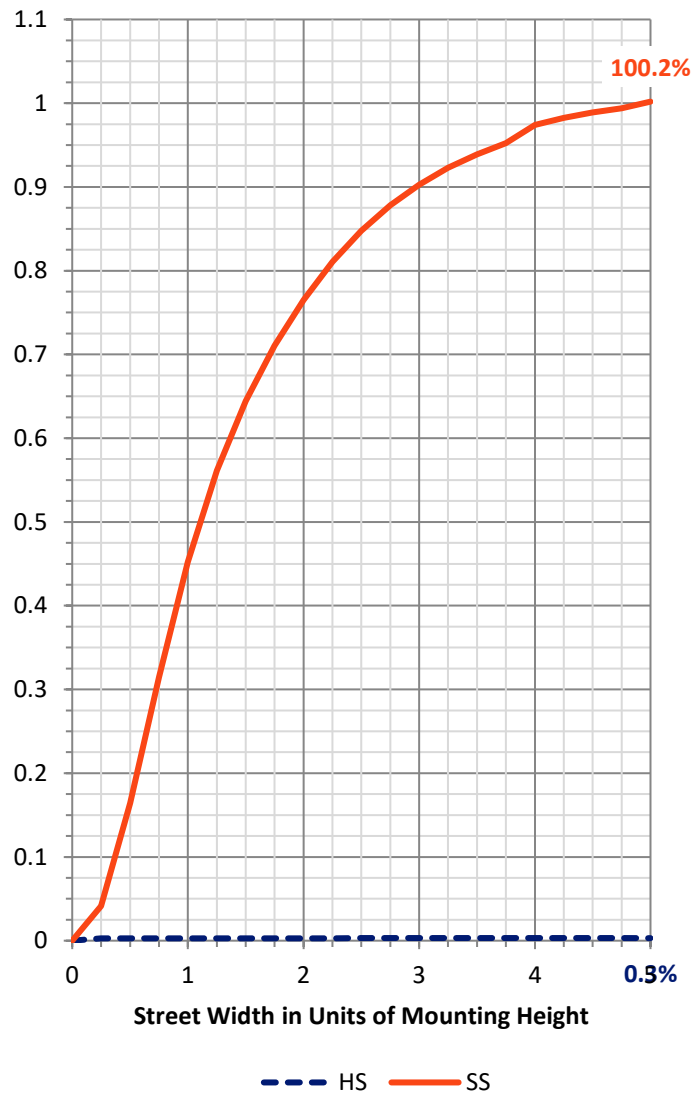
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.1	0.0	33.1
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	10712.8	0.0	10712.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	10745.9	0.0	10745.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.1
10°-20°	132.1	1.2
20°-30°	448.3	4.2
30°-40°	1053.6	9.8
40°-50°	1710.8	15.9
50°-60°	2168.0	20.2
60°-70°	2753.9	25.6
70°-80°	2237.5	20.8
80°-90°	230.4	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°	10745.9	100.0
0°-180°	10745.9	100.0



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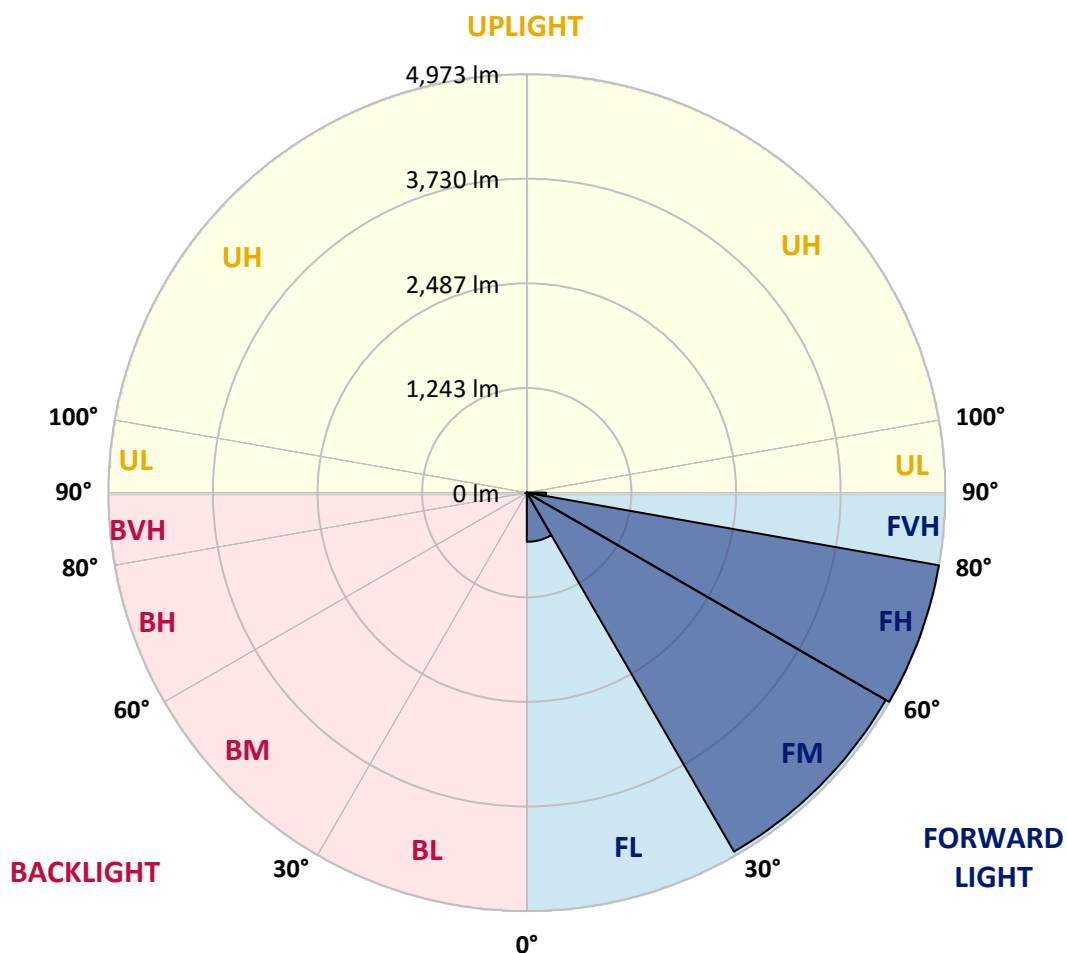
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	584.6	5.4			
FM	(30°-60°)	4926.0	45.8			
FH	(60°-80°)	4973.2	46.3			G2/5000
FVH	(80°-90°)	229.0	2.1			G3/500
BL	(0°-30°)	7.2	0.1	B0/110		
BM	(30°-60°)	6.4	0.1	B0/220		
BH	(60°-80°)	18.2	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
2.5°	75.9	75.9	75.9	72.9	72.9	70.0	70.0	67.1	64.2	64.2	61.3
5°	143.0	145.9	137.1	119.6	107.9	102.1	96.3	81.7	72.9	67.1	61.3
7.5°	390.9	379.3	361.8	303.4	233.4	198.4	169.2	119.6	87.5	70.0	61.3
10°	822.7	790.6	741.0	662.3	525.1	469.7	364.7	218.8	122.5	78.8	61.3
12.5°	1207.8	1213.7	1152.4	1076.6	910.3	816.9	673.9	411.4	192.6	93.4	61.3
15°	1499.6	1493.8	1470.4	1409.1	1260.4	1169.9	1041.5	691.4	323.8	116.7	64.2
17.5°	1730.1	1706.7	1698.0	1671.7	1575.4	1525.8	1385.8	1018.2	513.5	157.5	67.1
20°	1960.5	1954.7	1946.0	1916.8	1852.6	1817.6	1709.6	1347.9	764.4	224.6	72.9
22.5°	2296.1	2264.0	2269.8	2205.6	2153.1	2091.8	2004.3	1698.0	1053.2	320.9	81.7
25°	2689.9	2687.0	2640.3	2611.1	2523.6	2456.5	2339.8	2036.4	1374.1	463.9	90.4
27.5°	3153.8	3121.7	3101.3	3051.7	2961.2	2885.4	2724.9	2371.9	1721.3	624.3	102.1
30°	3638.1	3638.1	3600.2	3524.3	3436.8	3343.4	3180.1	2724.9	2065.6	828.6	116.7
32.5°	4204.1	4215.8	4122.4	4008.6	3894.8	3830.7	3617.7	3124.6	2395.3	1062.0	134.2
35°	4752.6	4738.0	4583.4	4457.9	4373.3	4303.3	4122.4	3562.2	2768.7	1333.3	157.5
37.5°	5277.7	5239.8	4983.1	4805.1	4767.2	4720.5	4539.6	3999.9	3139.2	1633.8	186.7
40°	5654.1	5595.7	5330.2	5085.2	5029.7	5003.5	4863.4	4396.6	3530.2	1969.3	224.6
42.5°	5817.5	5750.4	5566.6	5368.2	5245.6	5184.4	5061.8	4720.5	3921.1	2342.7	280.1
45°	5849.6	5797.0	5665.8	5619.1	5452.8	5359.4	5193.1	4951.0	4285.8	2713.3	355.9
47.5°	5732.9	5709.5	5630.7	5729.9	5645.3	5517.0	5315.7	5123.1	4609.6	3162.6	461.0
50°	5446.9	5429.4	5467.4	5727.0	5785.4	5639.5	5449.9	5257.3	4889.7	3626.4	609.8
52.5°	5061.8	5058.9	5236.9	5651.2	5846.6	5756.2	5581.1	5391.5	5111.4	4075.7	819.8
55°	4641.7	4691.3	5003.5	5581.1	5881.6	5840.8	5709.5	5511.1	5309.8	4492.9	1158.2
57.5°	4606.7	4586.3	4886.8	5552.0	5902.1	5925.4	5837.9	5636.6	5479.0	4834.3	1610.5
60°	4956.8	4910.1	5023.9	5613.2	5992.5	6033.4	5966.3	5732.9	5648.2	5102.7	2205.6
62.5°	5362.3	5318.6	5376.9	5849.6	6170.5	6228.8	6144.2	5832.0	5785.4	5289.4	2844.5
65°	5686.2	5651.2	5762.0	6202.6	6418.5	6468.1	6409.7	6015.8	5846.6	5441.1	3363.9
67.5°	5738.7	5694.9	5925.4	6438.9	6669.4	6704.4	6657.7	6193.8	5826.2	5452.8	3483.5
70°	5589.9	5552.0	5881.6	6514.7	6777.3	6806.5	6657.7	6109.2	5549.1	5155.2	2847.5
72.5°	5131.9	5161.0	5587.0	6330.9	6628.5	6494.3	6179.2	5683.3	5190.2	4370.4	1998.5
75°	4420.0	4452.1	5018.1	5826.2	5849.6	5686.2	5517.0	5228.1	4644.6	2879.6	1385.8
77.5°	3142.1	3028.3	3874.4	4810.9	4726.3	4831.4	4845.9	4350.0	3889.0	1499.6	927.8
80°	309.3	262.6	487.2	1380.0	3048.8	3407.6	3547.7	3352.2	2867.9	671.0	487.2
82.5°	67.1	67.1	72.9	78.8	122.5	183.8	843.2	2065.6	1852.6	341.3	157.5
85°	37.9	37.9	46.7	55.4	72.9	81.7	96.3	128.4	498.9	122.5	29.2
87.5°	29.2	32.1	37.9	46.7	61.3	67.1	81.7	102.1	125.5	113.8	8.8
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-SA2D-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
2.5°	61.3	58.3	55.4	52.5	49.6	49.6	46.7	46.7	46.7	46.7	46.7
5°	58.3	55.4	52.5	46.7	43.8	40.8	37.9	37.9	37.9	37.9	37.9
7.5°	58.3	55.4	49.6	43.8	37.9	35.0	32.1	29.2	29.2	32.1	32.1
10°	58.3	52.5	43.8	37.9	32.1	29.2	26.3	23.3	23.3	23.3	23.3
12.5°	55.4	49.6	40.8	35.0	29.2	23.3	17.5	14.6	14.6	14.6	14.6
15°	52.5	46.7	37.9	29.2	20.4	14.6	11.7	8.8	8.8	8.8	8.8
17.5°	52.5	43.8	35.0	26.3	14.6	8.8	5.8	2.9	2.9	2.9	5.8
20°	52.5	43.8	32.1	20.4	8.8	5.8	5.8	2.9	0.0	2.9	2.9
22.5°	52.5	40.8	26.3	14.6	8.8	5.8	2.9	0.0	0.0	0.0	0.0
25°	55.4	40.8	23.3	11.7	5.8	2.9	0.0	0.0	0.0	0.0	0.0
27.5°	55.4	37.9	20.4	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	58.3	37.9	17.5	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	58.3	35.0	11.7	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	58.3	32.1	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	58.3	29.2	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	61.3	26.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	64.2	23.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	67.1	20.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	75.9	20.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	87.5	20.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	105.0	20.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	137.1	17.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	198.4	17.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	332.6	17.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	583.5	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	986.1	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1286.6	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	977.4	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	466.8	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	207.1	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	90.4	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	35.0	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
82.5°	14.6	5.8	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
85°	8.8	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
87.5°	5.8	5.8	5.8	5.8	5.8	2.9	2.9	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

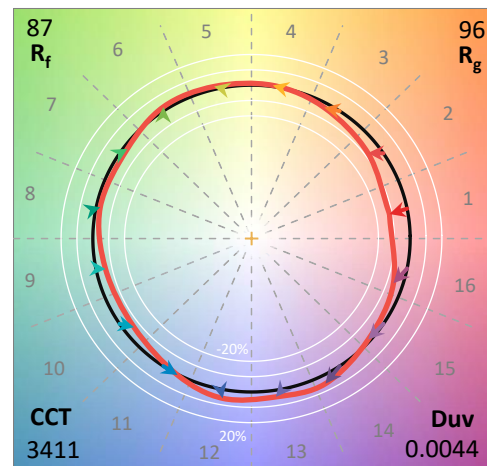
Test Information

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

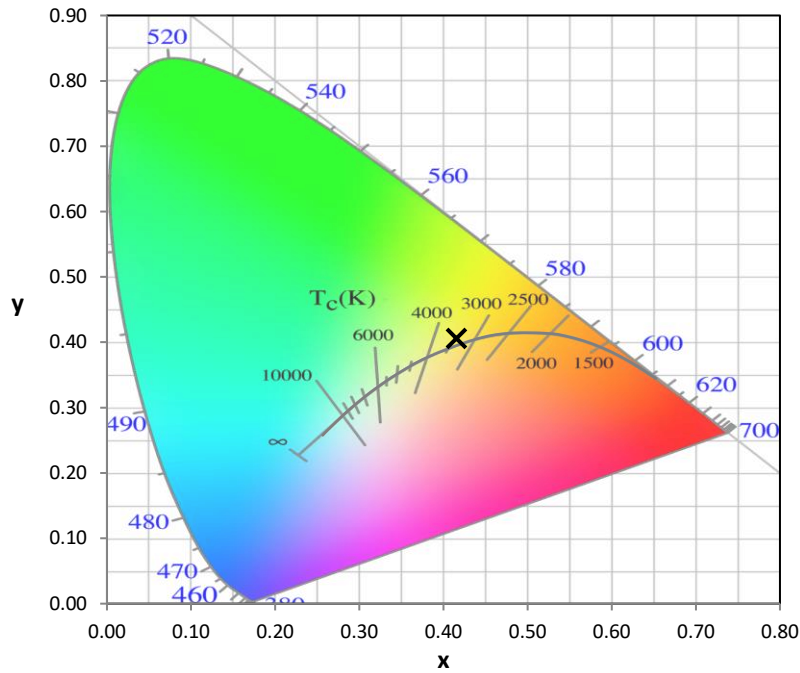
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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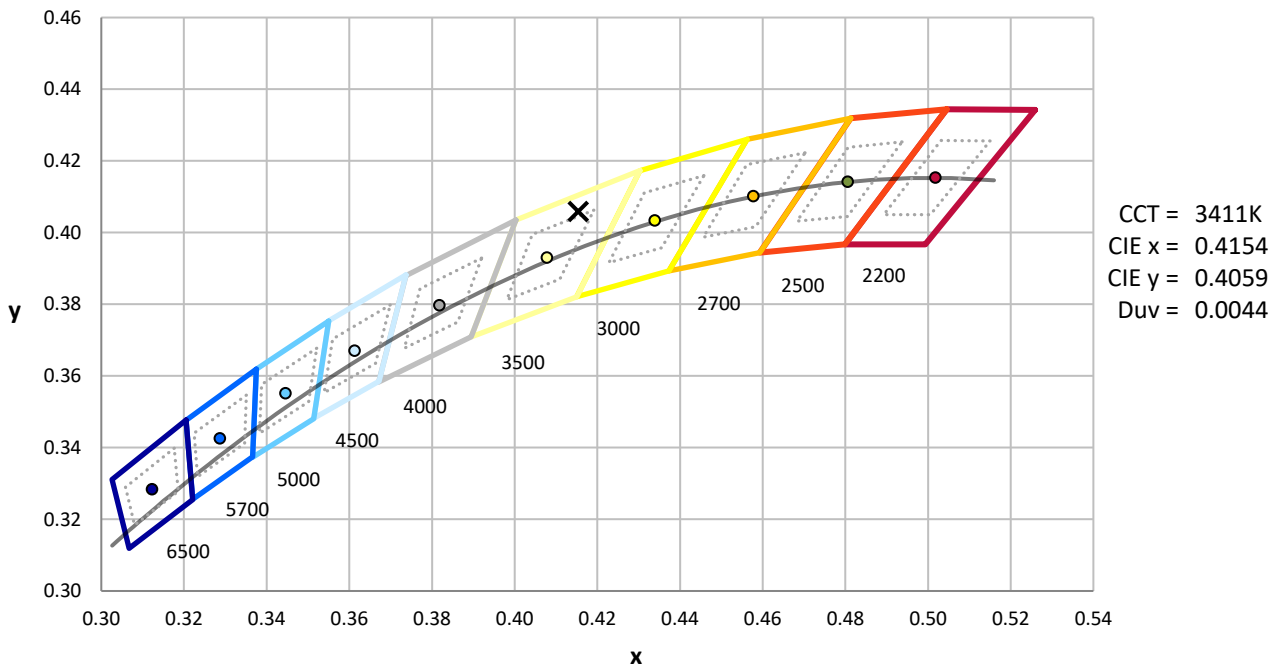
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



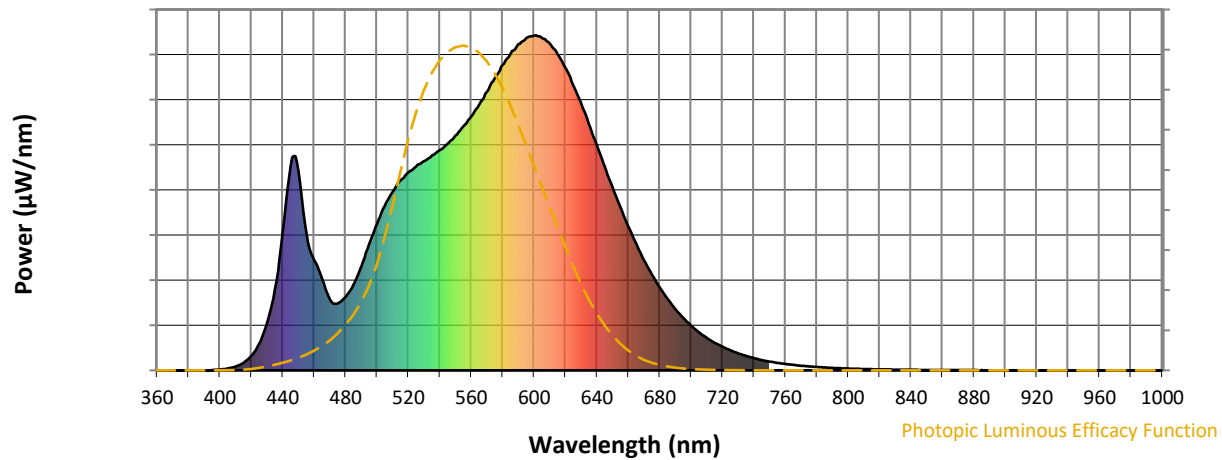
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

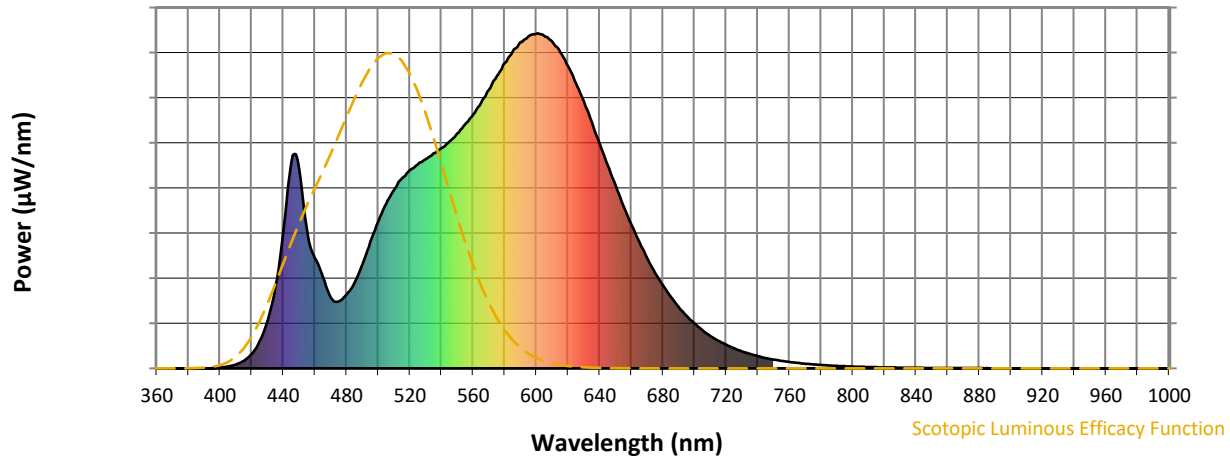


Photopic Lumens: NR

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



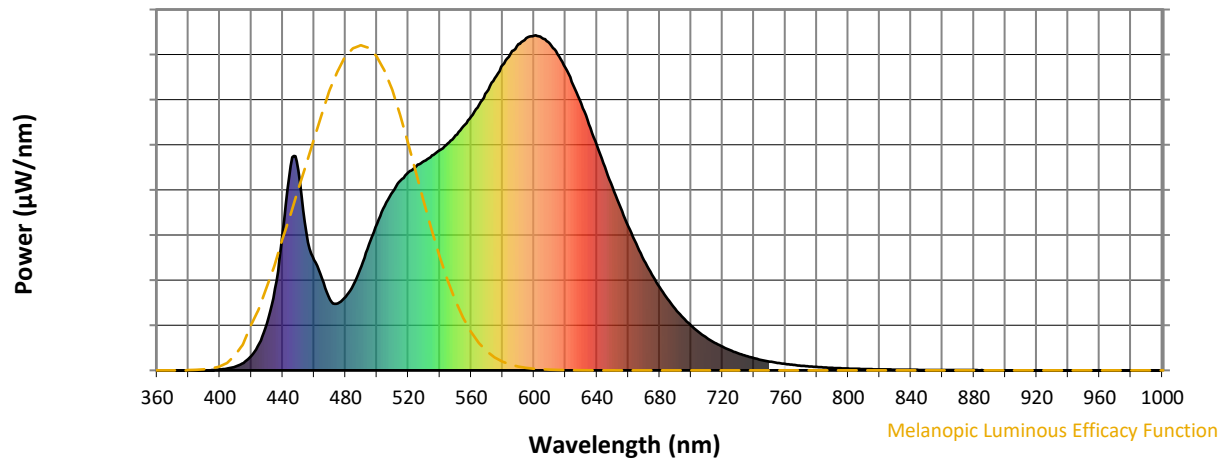
Scotopic Lumens: NR

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

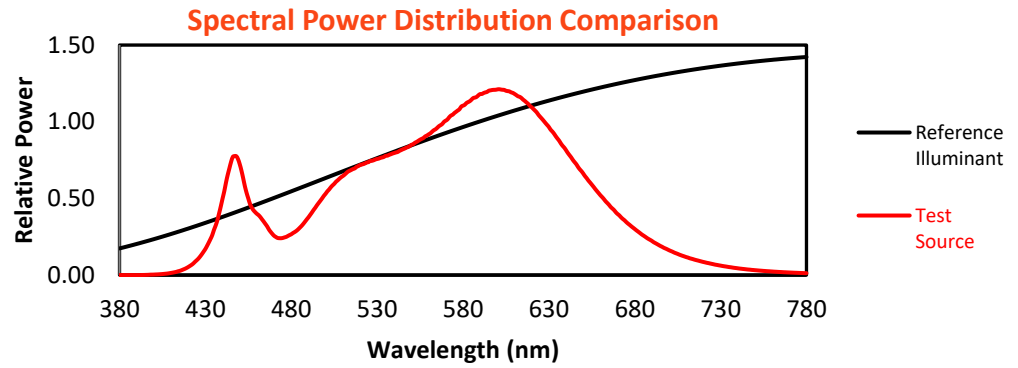
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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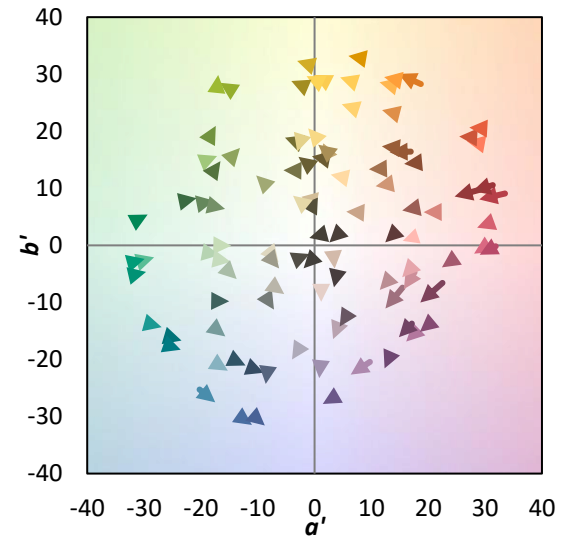
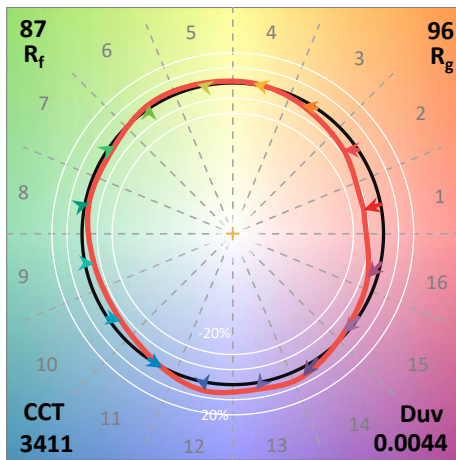
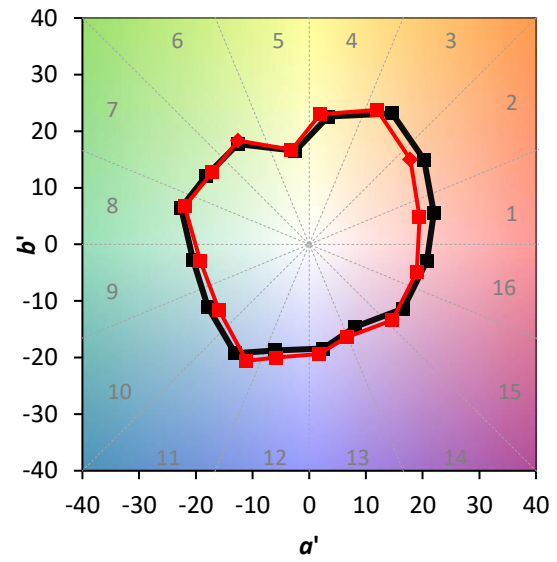
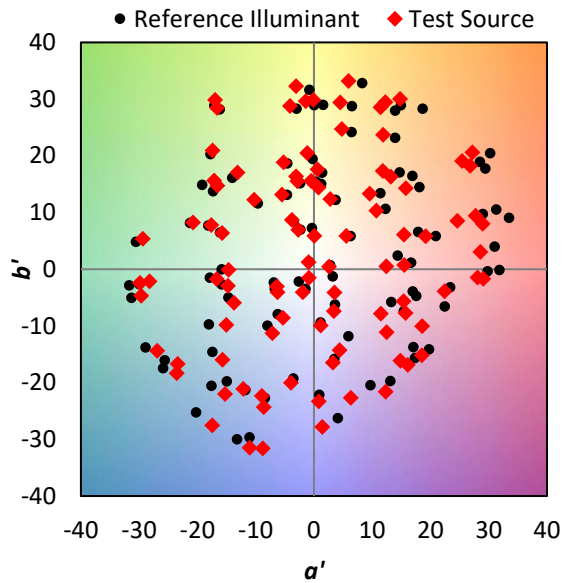
TM-30-18

Summary

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

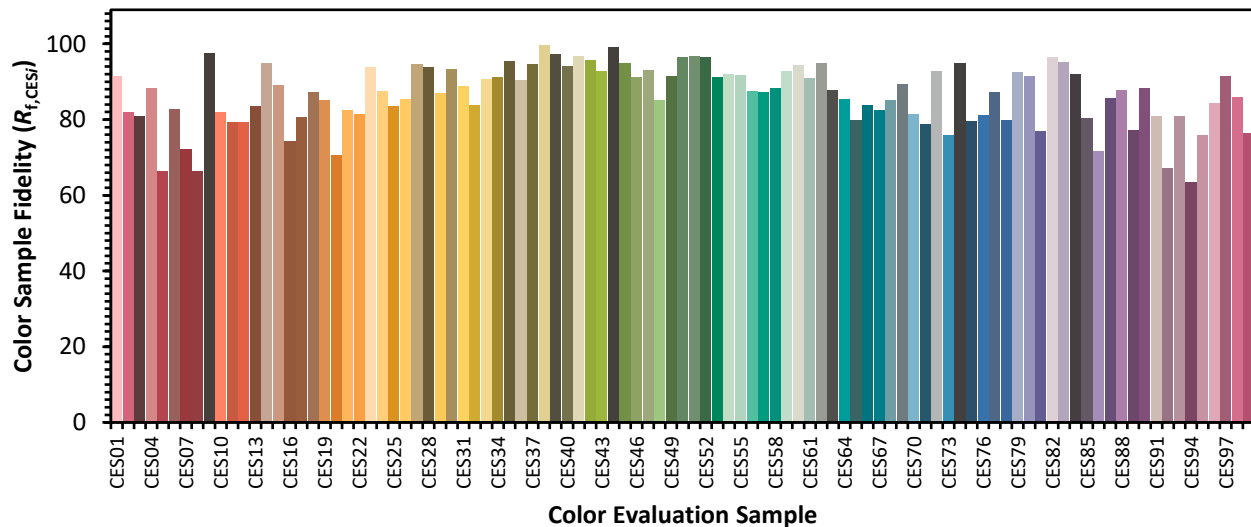


Color Vector Graphics

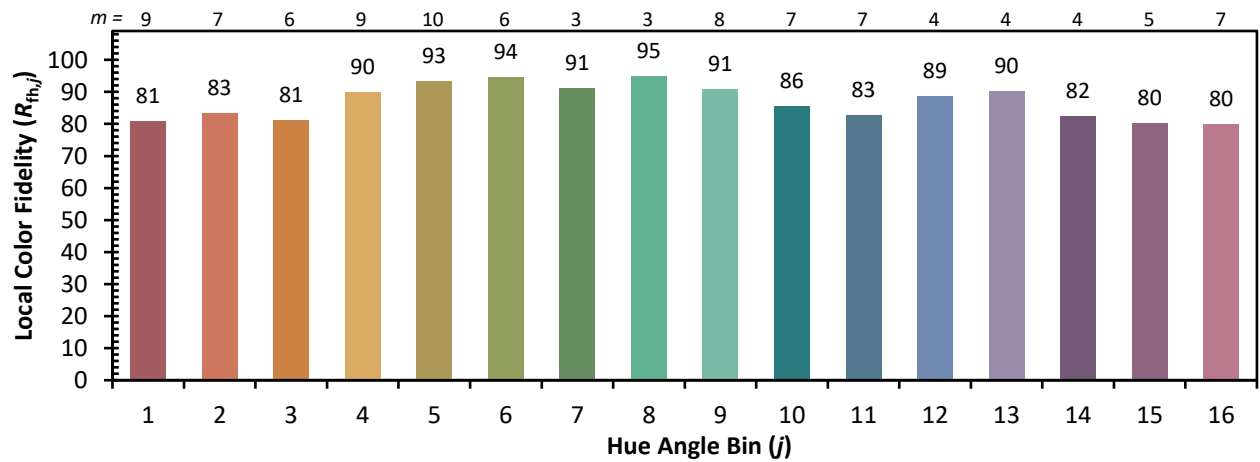
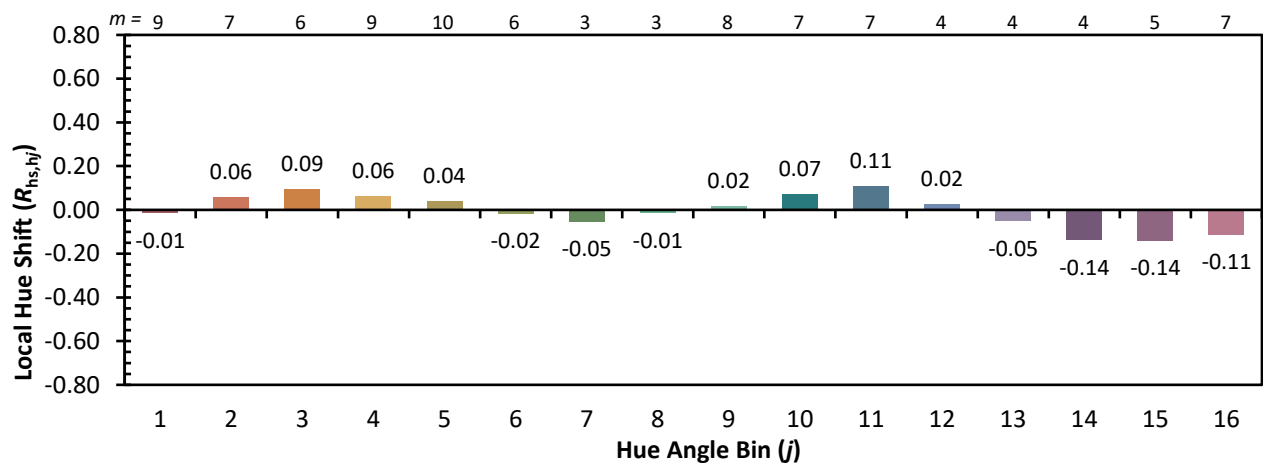
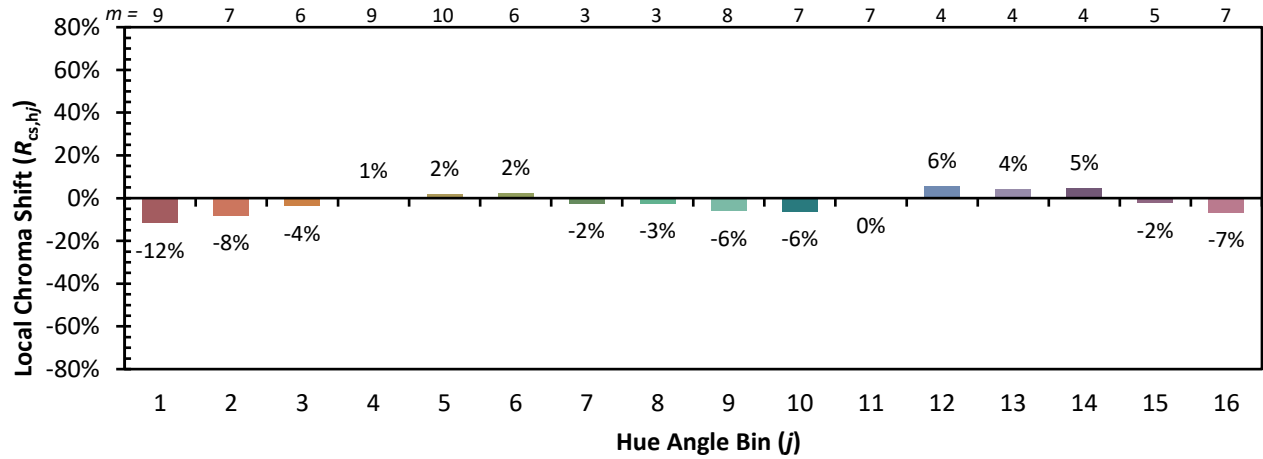


Individual Sample Fidelity Index ($R_{f,i}$)

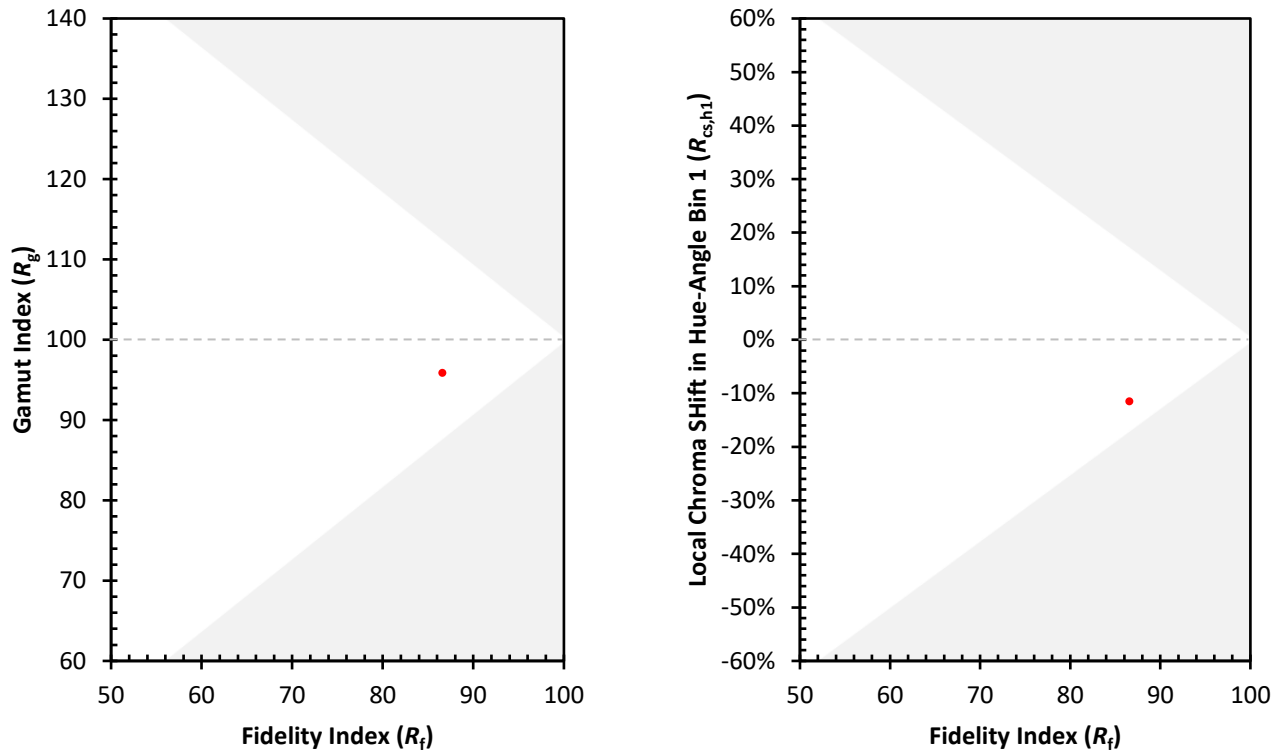
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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