

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: P1066408

Luminaire Tested: **NVN-SA1D-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066408
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA1D-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5568.3 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 56.5
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

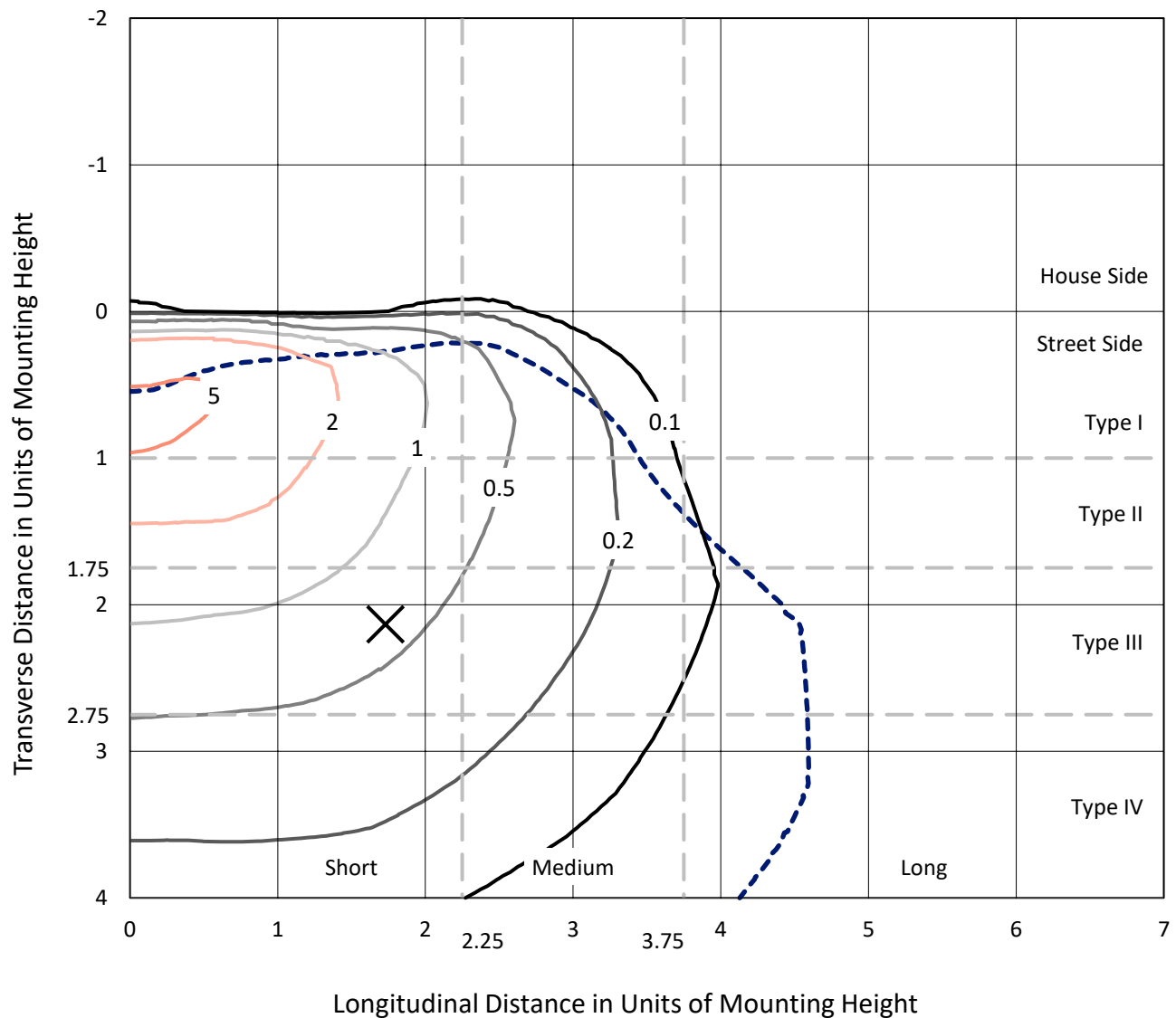


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

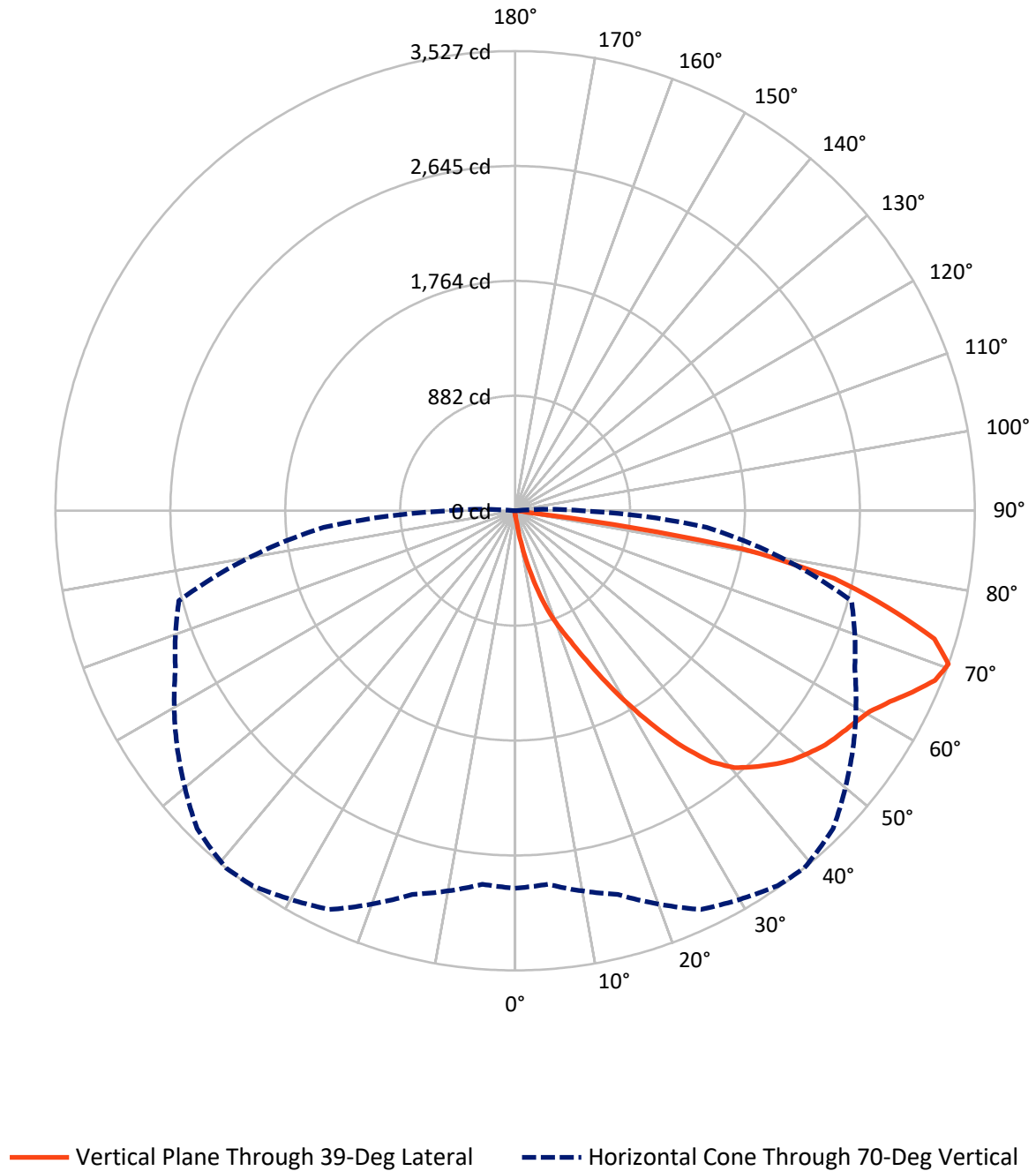


Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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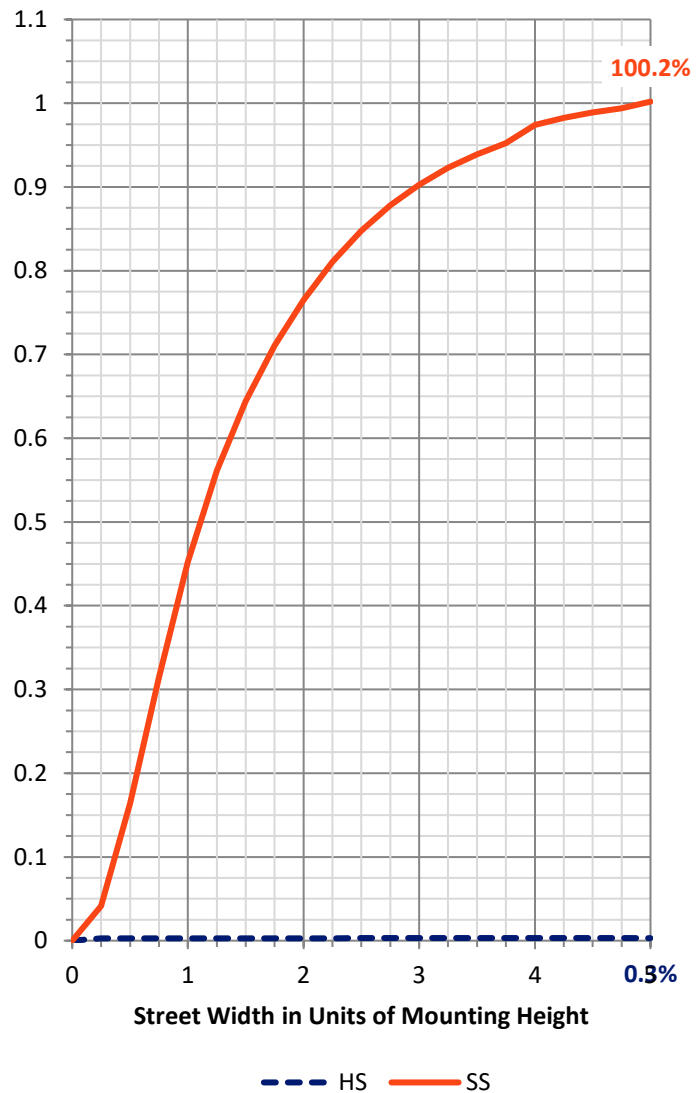
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.1	0.0	17.1
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	5551.2	0.0	5551.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	5568.3	0.0	5568.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.1
10°-20°	68.5	1.2
20°-30°	232.3	4.2
30°-40°	546.0	9.8
40°-50°	886.5	15.9
50°-60°	1123.4	20.2
60°-70°	1427.0	25.6
70°-80°	1159.4	20.8
80°-90°	119.4	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°	5568.3	100.0
0°-180°	5568.3	100.0



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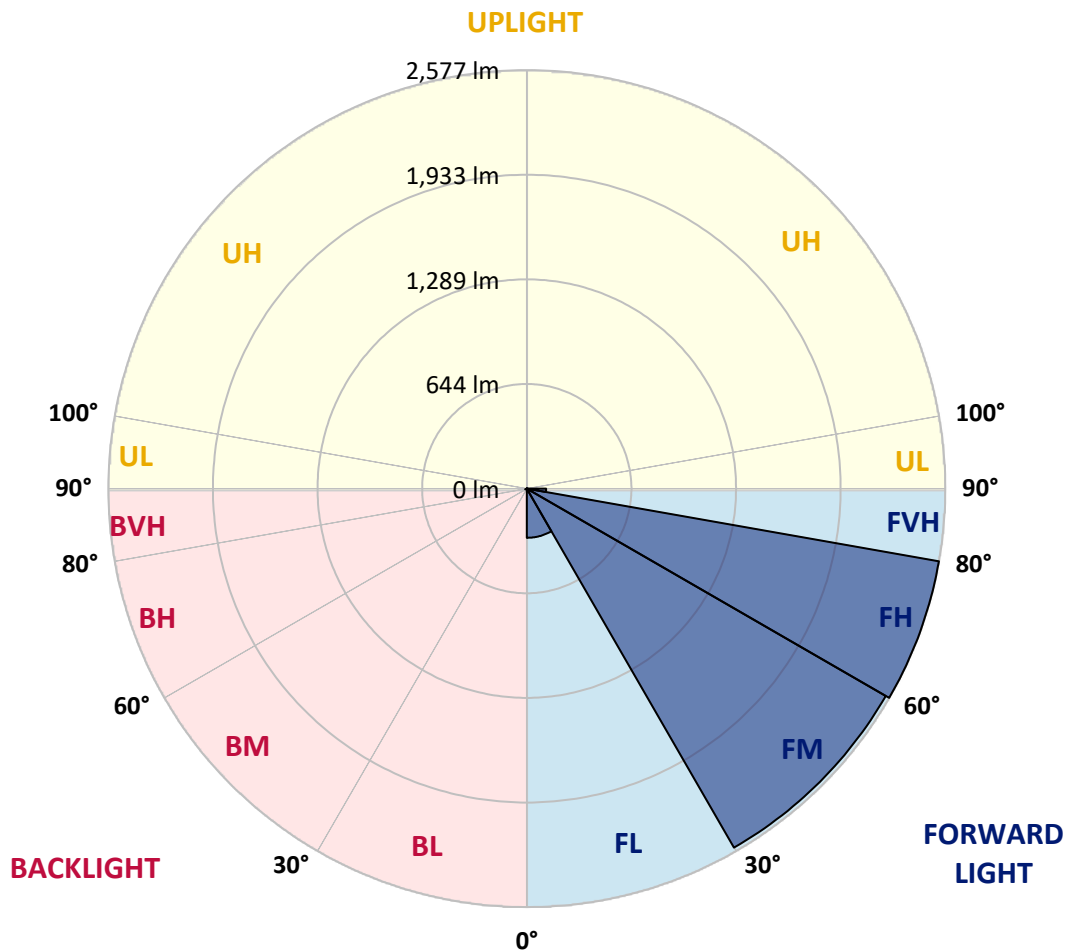
CATALOG NUMBER: NVN-SA1D-835-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.9	5.4			
FM	(30°-60°)	2552.6	45.8			
FH	(60°-80°)	2577.0	46.3			G2/5000
FVH	(80°-90°)	118.7	2.1			G2/225
BL	(0°-30°)	3.7	0.1	B0/110		
BM	(30°-60°)	3.3	0.1	B0/220		
BH	(60°-80°)	9.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2.5°	39.3	39.3	39.3	37.8	37.8	36.3	36.3	34.8	33.3	33.3	31.7
5°	74.1	75.6	71.1	62.0	55.9	52.9	49.9	42.3	37.8	34.8	31.7
7.5°	202.6	196.5	187.5	157.2	120.9	102.8	87.7	62.0	45.4	36.3	31.7
10°	426.3	409.7	384.0	343.2	272.1	243.4	189.0	113.4	63.5	40.8	31.7
12.5°	625.9	628.9	597.2	557.8	471.7	423.3	349.2	213.2	99.8	48.4	31.7
15°	777.1	774.0	761.9	730.2	653.1	606.2	539.7	358.3	167.8	60.5	33.3
17.5°	896.5	884.4	879.9	866.3	816.4	790.7	718.1	527.6	266.1	81.6	34.8
20°	1015.9	1012.9	1008.4	993.2	960.0	941.8	885.9	698.4	396.1	116.4	37.8
22.5°	1189.8	1173.1	1176.2	1142.9	1115.7	1083.9	1038.6	879.9	545.8	166.3	42.3
25°	1393.9	1392.4	1368.2	1353.0	1307.7	1272.9	1212.4	1055.2	712.0	240.4	46.9
27.5°	1634.2	1617.6	1607.0	1581.3	1534.5	1495.2	1412.0	1229.1	892.0	323.5	52.9
30°	1885.2	1885.2	1865.5	1826.2	1780.9	1732.5	1647.8	1412.0	1070.3	429.3	60.5
32.5°	2178.5	2184.5	2136.1	2077.2	2018.2	1985.0	1874.6	1619.1	1241.2	550.3	69.5
35°	2462.7	2455.1	2375.0	2310.0	2266.2	2229.9	2136.1	1845.9	1434.7	690.9	81.6
37.5°	2734.8	2715.2	2582.1	2489.9	2470.3	2446.1	2352.3	2072.7	1626.7	846.6	96.8
40°	2929.8	2899.6	2762.0	2635.0	2606.3	2592.7	2520.1	2278.3	1829.3	1020.5	116.4
42.5°	3014.5	2979.7	2884.5	2781.7	2718.2	2686.4	2622.9	2446.1	2031.8	1214.0	145.1
45°	3031.1	3003.9	2935.9	2911.7	2825.5	2777.1	2691.0	2565.5	2220.8	1406.0	184.4
47.5°	2970.7	2958.6	2917.7	2969.1	2925.3	2858.8	2754.5	2654.7	2388.6	1638.8	238.9
50°	2822.5	2813.4	2833.1	2967.6	2997.9	2922.3	2824.0	2724.2	2533.7	1879.1	316.0
52.5°	2622.9	2621.4	2713.6	2928.3	3029.6	2982.7	2892.0	2793.8	2648.6	2112.0	424.8
55°	2405.2	2430.9	2592.7	2892.0	3047.8	3026.6	2958.6	2855.8	2751.4	2328.1	600.2
57.5°	2387.1	2376.5	2532.2	2876.9	3058.3	3070.4	3025.1	2920.8	2839.1	2505.0	834.5
60°	2568.5	2544.3	2603.3	2908.7	3105.2	3126.4	3091.6	2970.7	2926.8	2644.1	1142.9
62.5°	2778.7	2756.0	2786.2	3031.1	3197.4	3227.7	3183.8	3022.1	2997.9	2740.9	1474.0
65°	2946.5	2928.3	2985.8	3214.0	3325.9	3351.6	3321.4	3117.3	3029.6	2819.5	1743.1
67.5°	2973.7	2951.0	3070.4	3336.5	3455.9	3474.1	3449.9	3209.5	3019.0	2825.5	1805.1
70°	2896.6	2876.9	3047.8	3375.8	3511.9	3527.0	3449.9	3165.7	2875.4	2671.3	1475.5
72.5°	2659.2	2674.3	2895.1	3280.6	3434.8	3365.2	3202.0	2945.0	2689.5	2264.6	1035.6
75°	2290.4	2307.0	2600.3	3019.0	3031.1	2946.5	2858.8	2709.1	2406.8	1492.1	718.1
77.5°	1628.2	1569.2	2007.6	2492.9	2449.1	2503.5	2511.1	2254.1	2015.2	777.1	480.7
80°	160.2	136.1	252.5	715.1	1579.8	1765.8	1838.3	1737.0	1486.1	347.7	252.5
82.5°	34.8	34.8	37.8	40.8	63.5	95.2	436.9	1070.3	960.0	176.9	81.6
85°	19.7	19.7	24.2	28.7	37.8	42.3	49.9	66.5	258.5	63.5	15.1
87.5°	15.1	16.6	19.7	24.2	31.7	34.8	42.3	52.9	65.0	59.0	4.5
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-SA1D-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
2.5°	31.7	30.2	28.7	27.2	25.7	25.7	24.2	24.2	24.2	24.2	24.2
5°	30.2	28.7	27.2	24.2	22.7	21.2	19.7	19.7	19.7	19.7	19.7
7.5°	30.2	28.7	25.7	22.7	19.7	18.1	16.6	15.1	15.1	16.6	16.6
10°	30.2	27.2	22.7	19.7	16.6	15.1	13.6	12.1	12.1	12.1	12.1
12.5°	28.7	25.7	21.2	18.1	15.1	12.1	9.1	7.6	7.6	7.6	7.6
15°	27.2	24.2	19.7	15.1	10.6	7.6	6.0	4.5	4.5	4.5	4.5
17.5°	27.2	22.7	18.1	13.6	7.6	4.5	3.0	1.5	1.5	1.5	3.0
20°	27.2	22.7	16.6	10.6	4.5	3.0	3.0	1.5	0.0	1.5	1.5
22.5°	27.2	21.2	13.6	7.6	4.5	3.0	1.5	0.0	0.0	0.0	0.0
25°	28.7	21.2	12.1	6.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0
27.5°	28.7	19.7	10.6	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
30°	30.2	19.7	9.1	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	30.2	18.1	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	30.2	16.6	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	30.2	15.1	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	31.7	13.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	33.3	12.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	34.8	10.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	39.3	10.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	45.4	10.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	54.4	10.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	71.1	9.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	102.8	9.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	172.3	9.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	302.4	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	511.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	666.7	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	506.4	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	241.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	107.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	46.9	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	18.1	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	7.6	3.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
85°	4.5	3.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	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

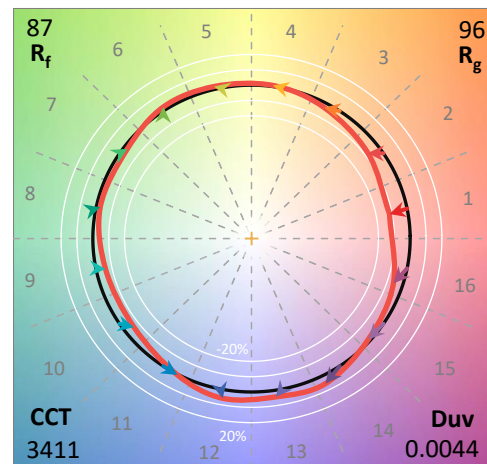
Test Information

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

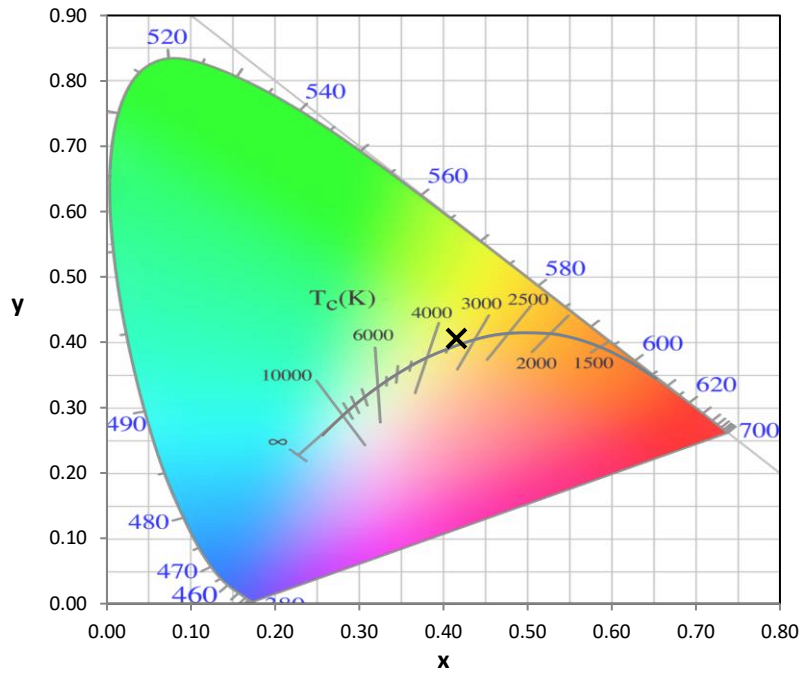
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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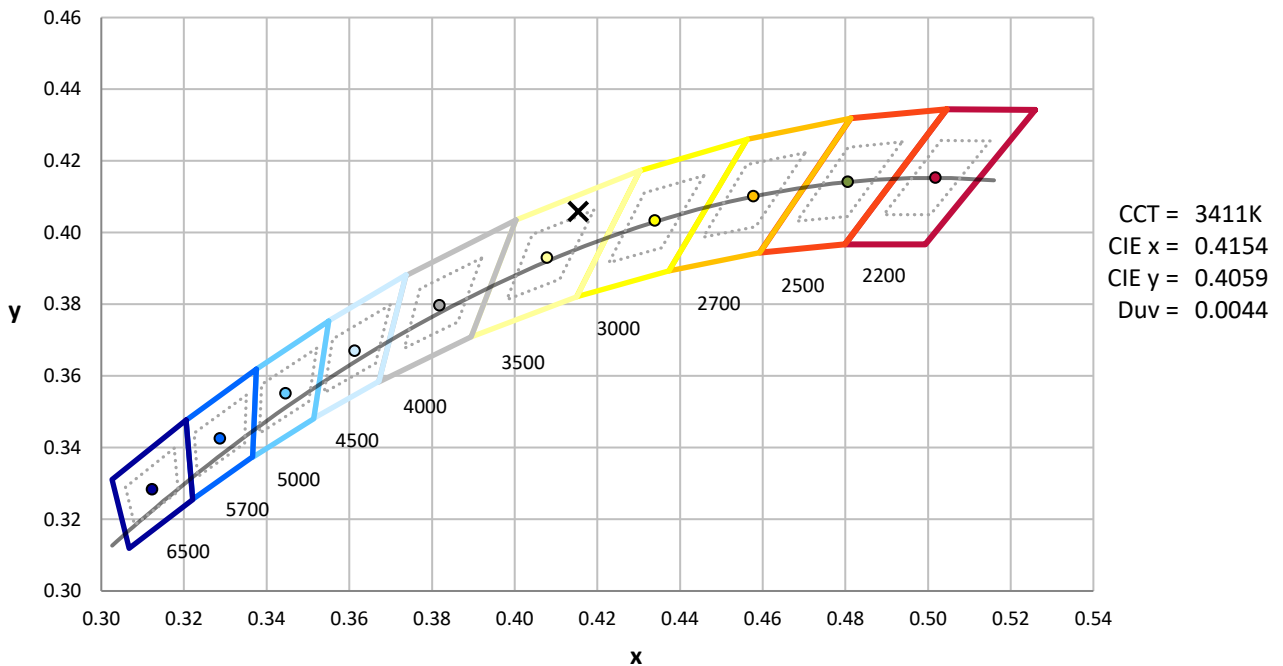
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



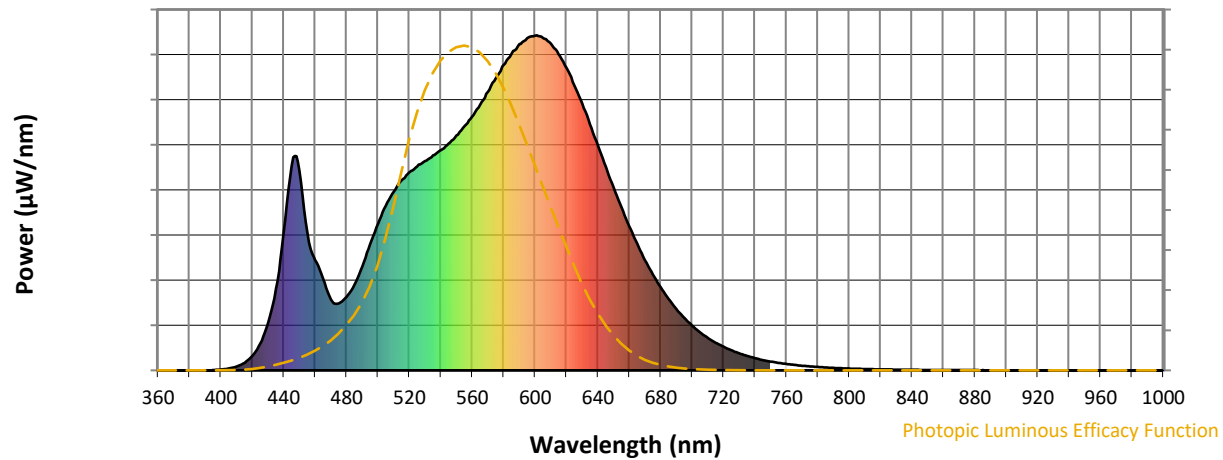
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

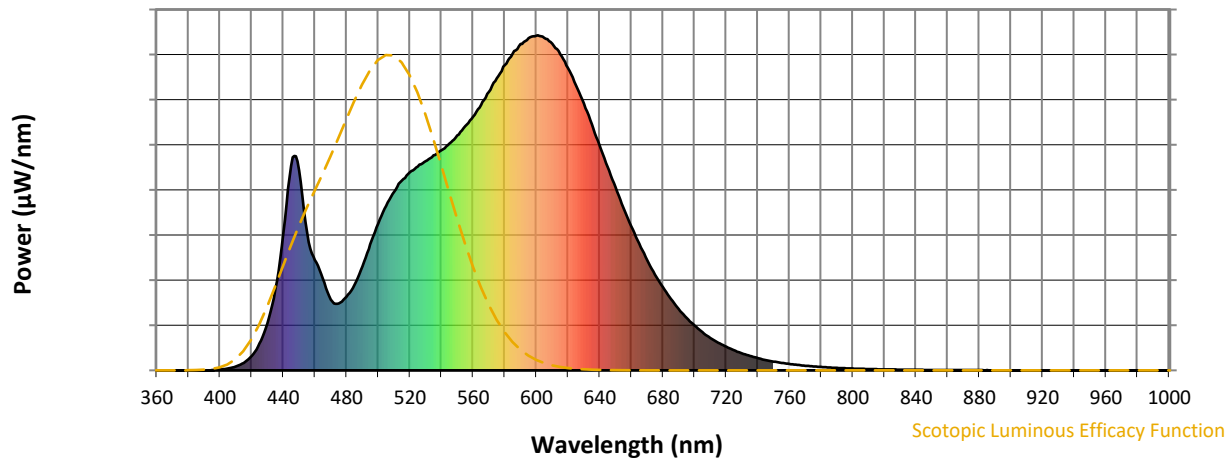


Photopic Lumens: NR

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



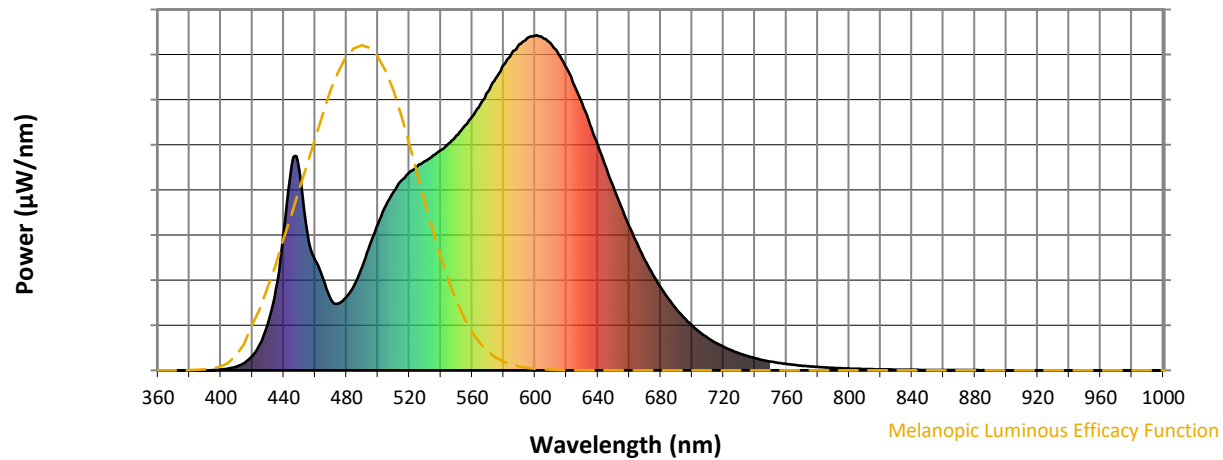
Scotopic Lumens: NR

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

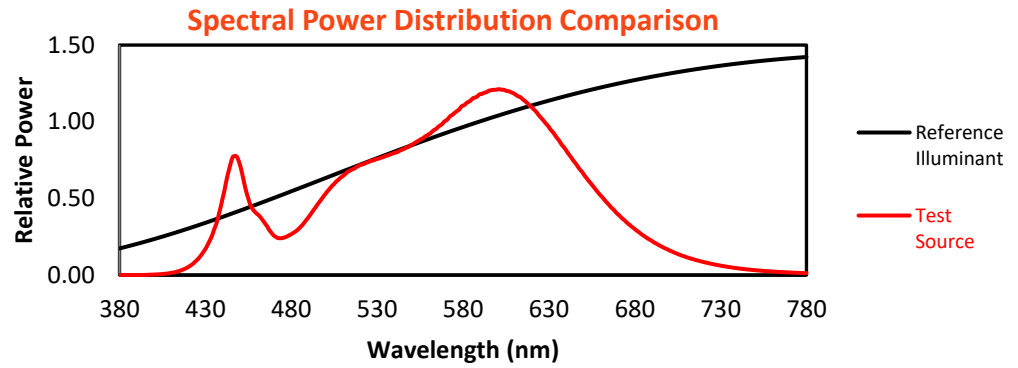
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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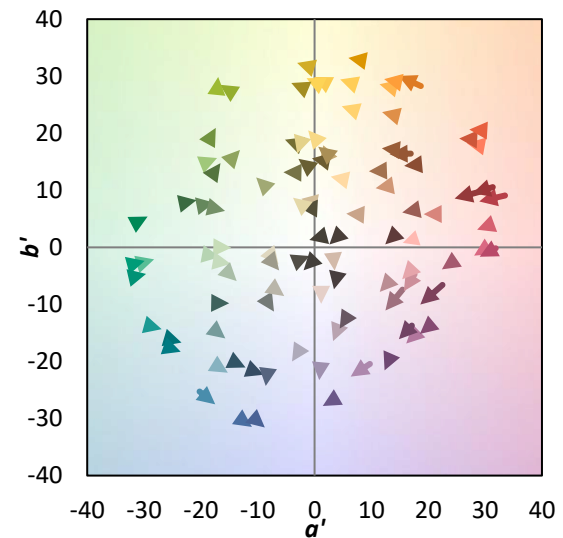
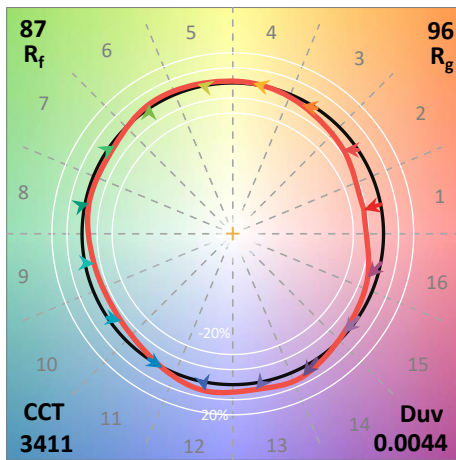
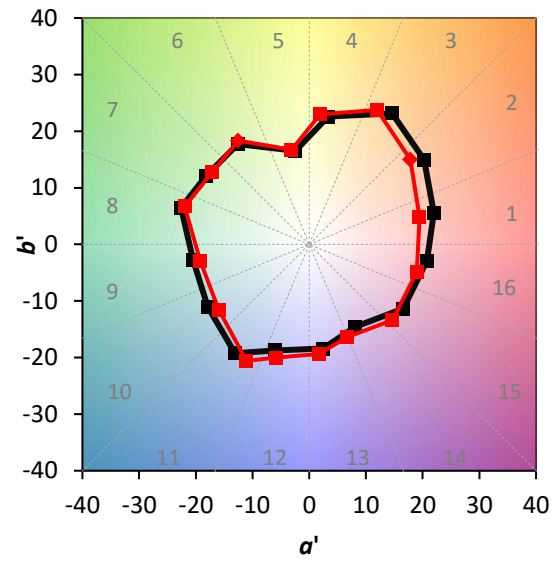
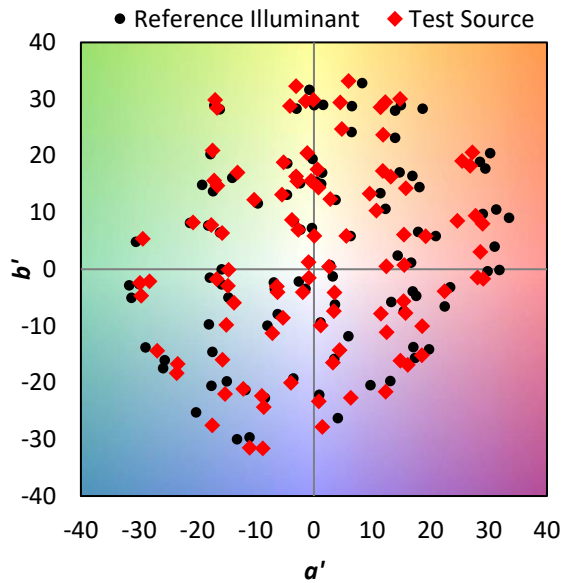
TM-30-18

Summary

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

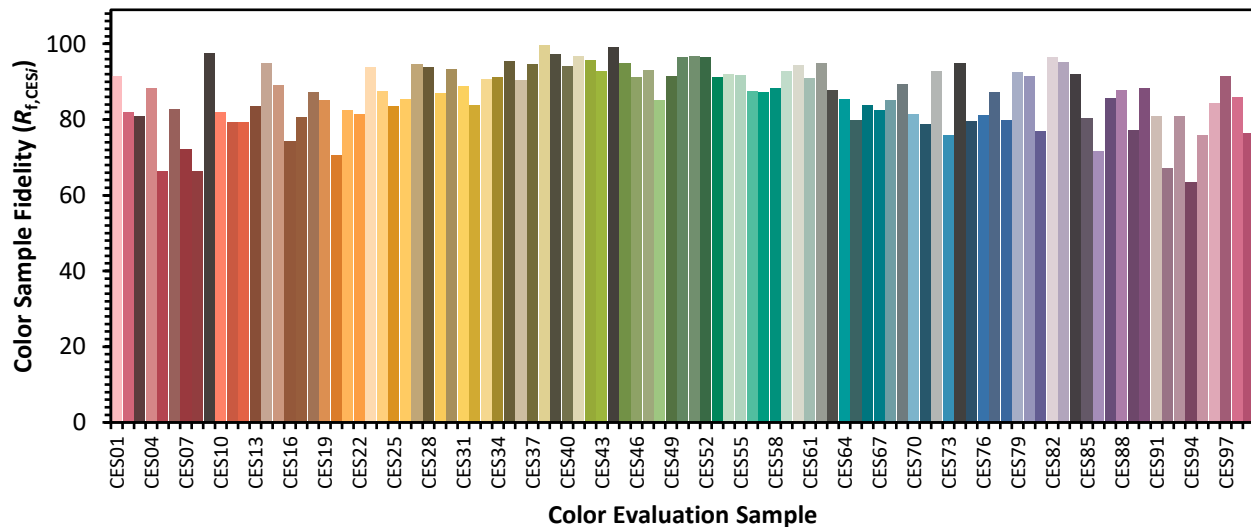


Color Vector Graphics

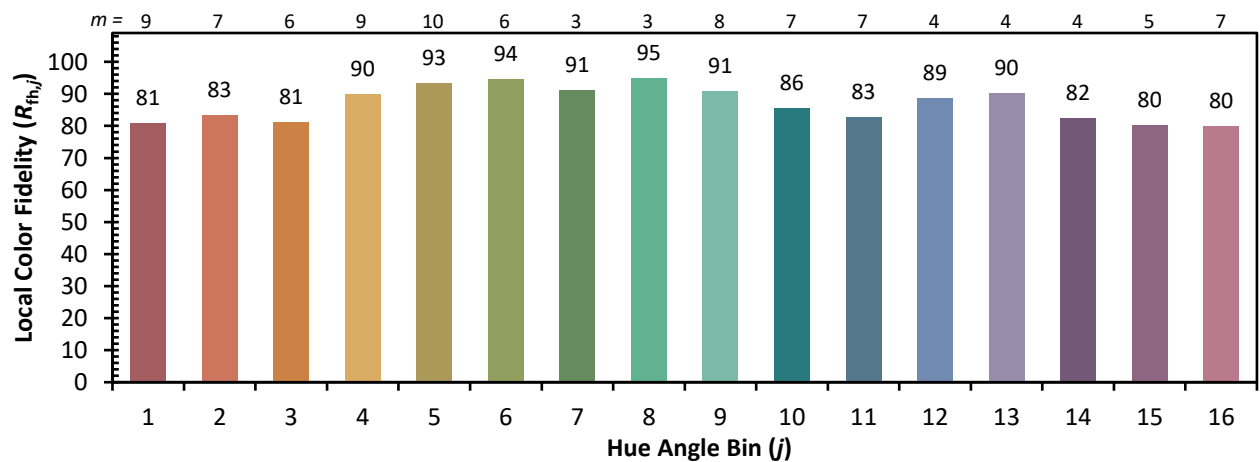
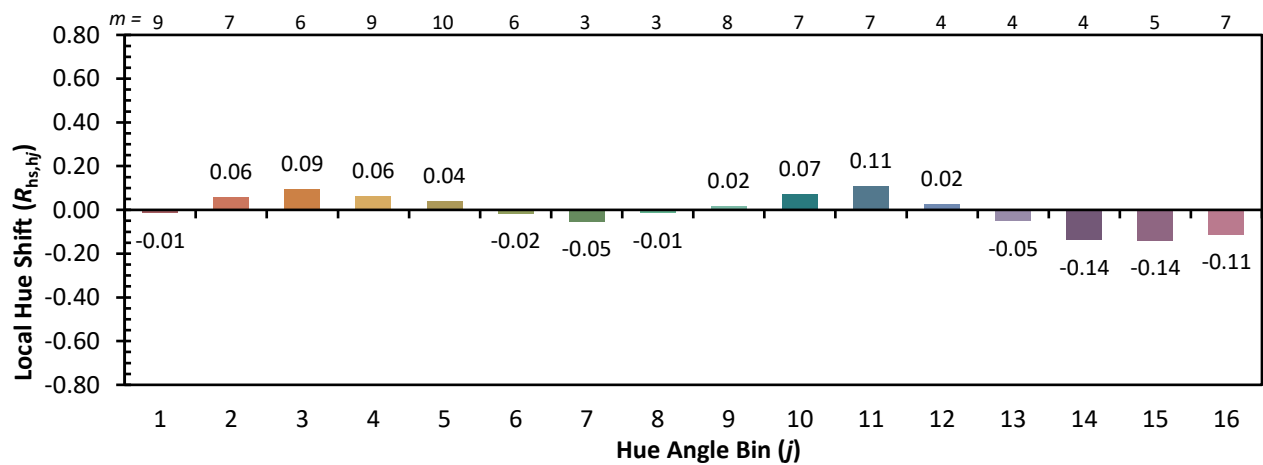
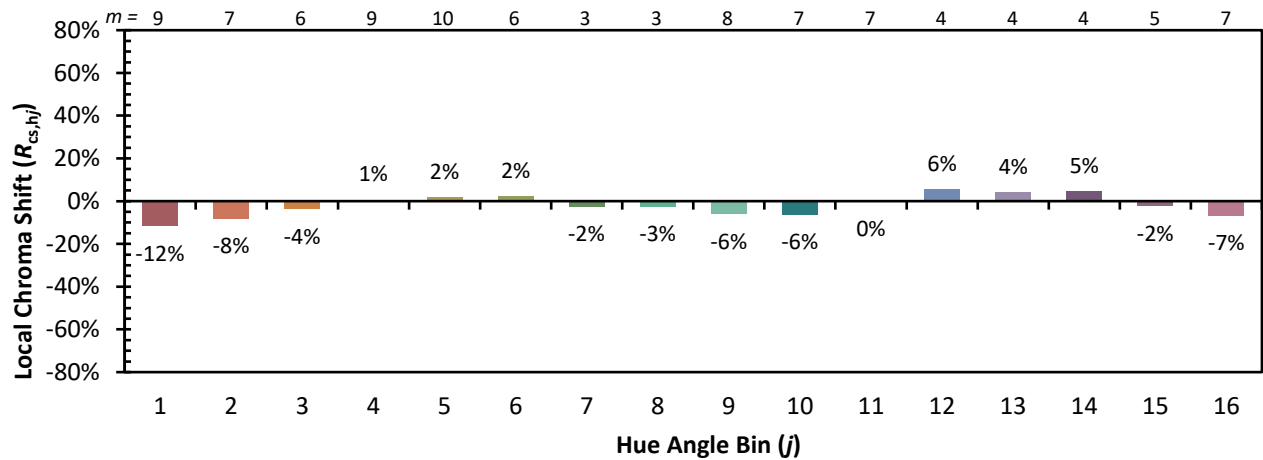


Individual Sample Fidelity Index ($R_{f,i}$)

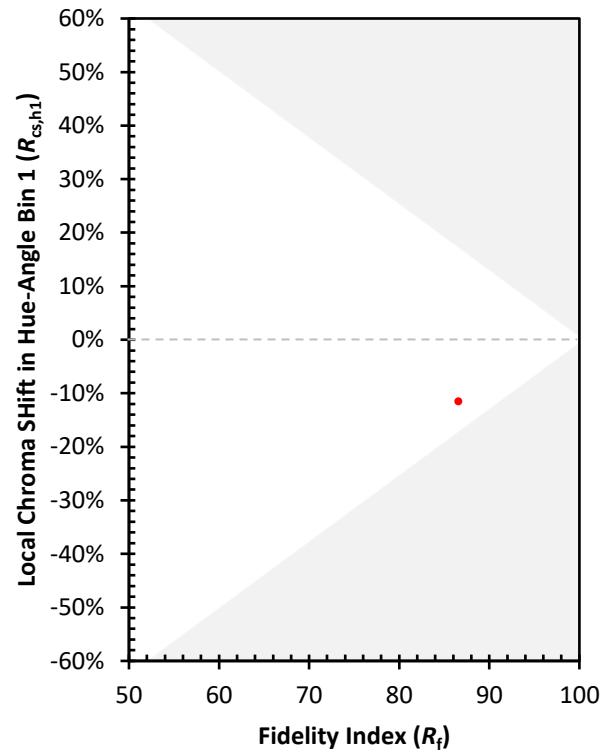
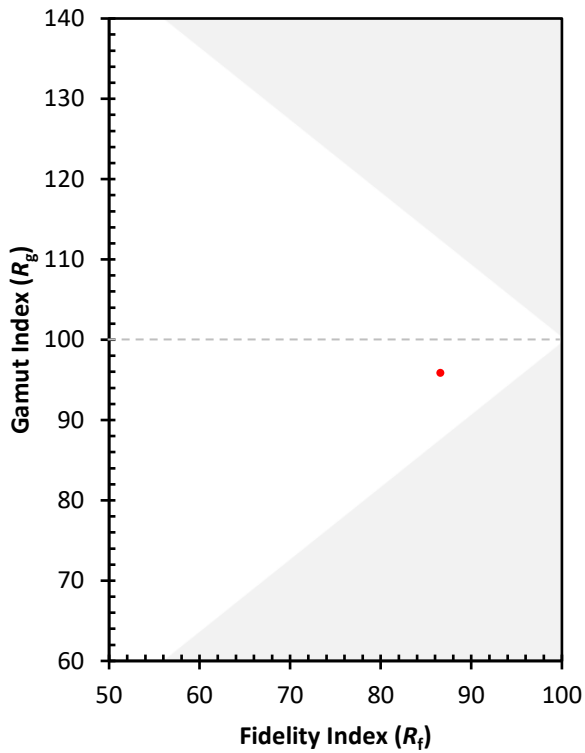
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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