

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: LUMARK

Report Number: P1067615

Luminaire Tested: **NAV-SA3C-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067615
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3C-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 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: 14515.7 lumens
Efficiency: N/A
Efficacy: 103.4 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): 140.4
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

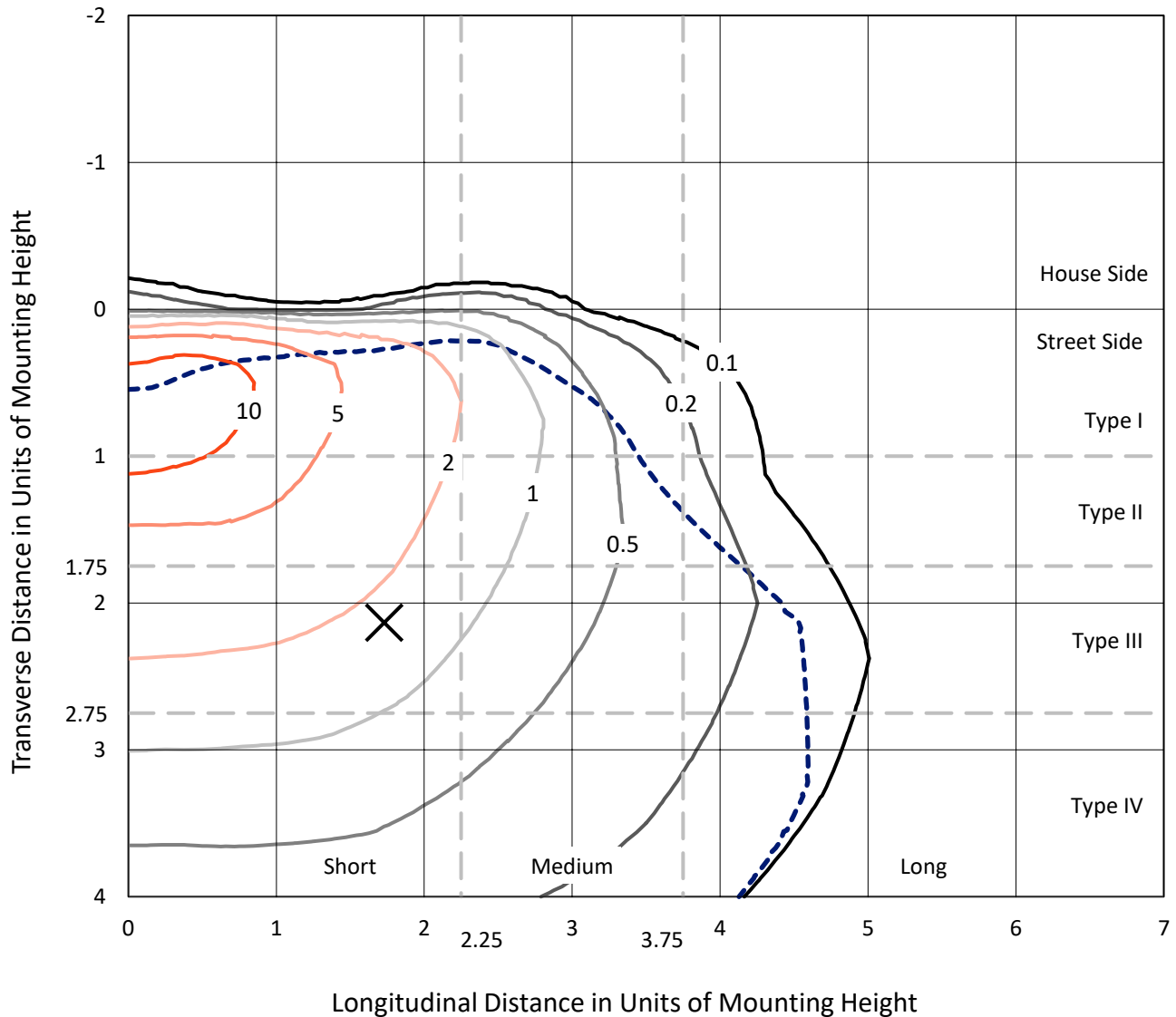


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

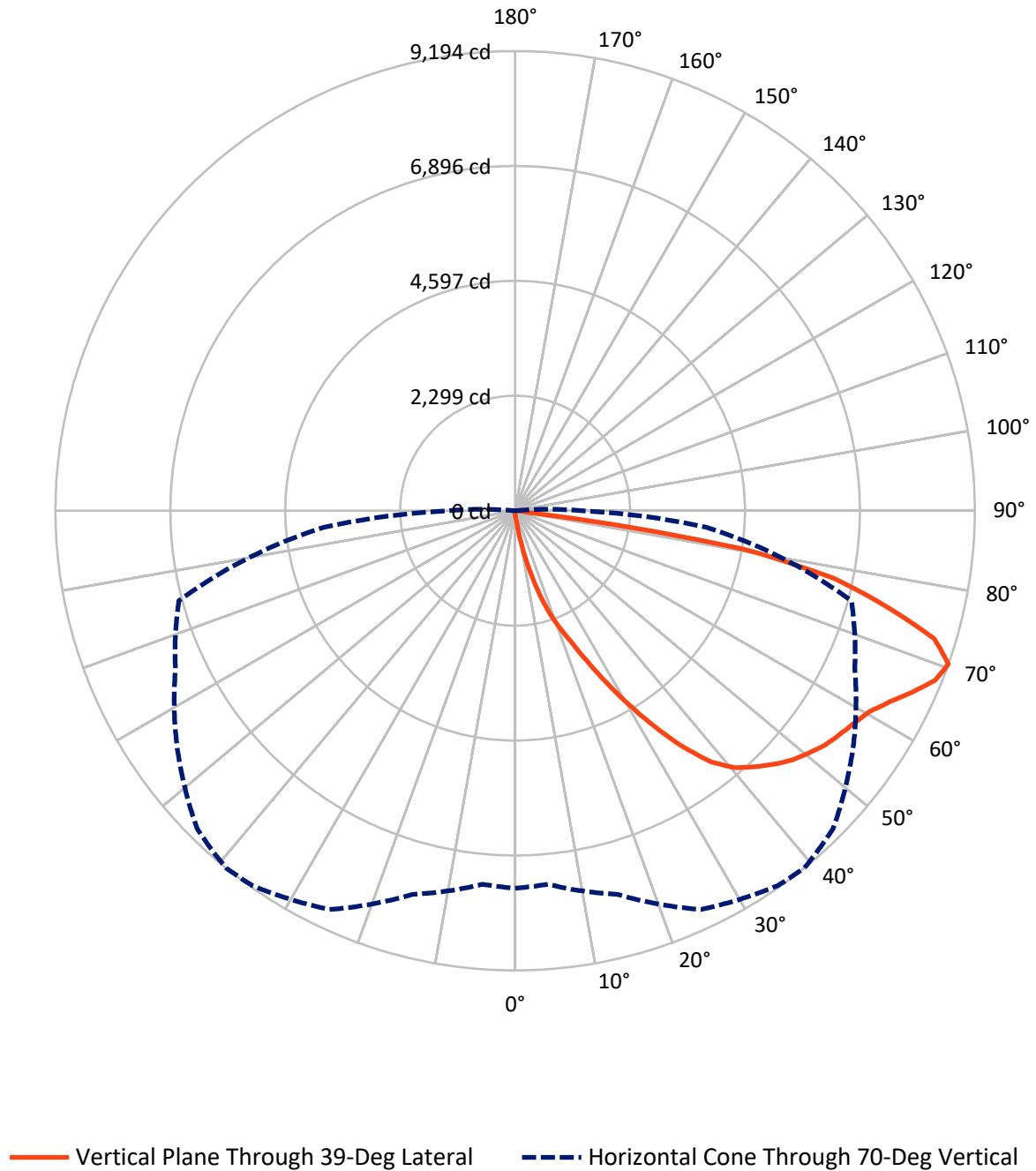


Based on 15 foot mounting height. Maximum calculated value = 15.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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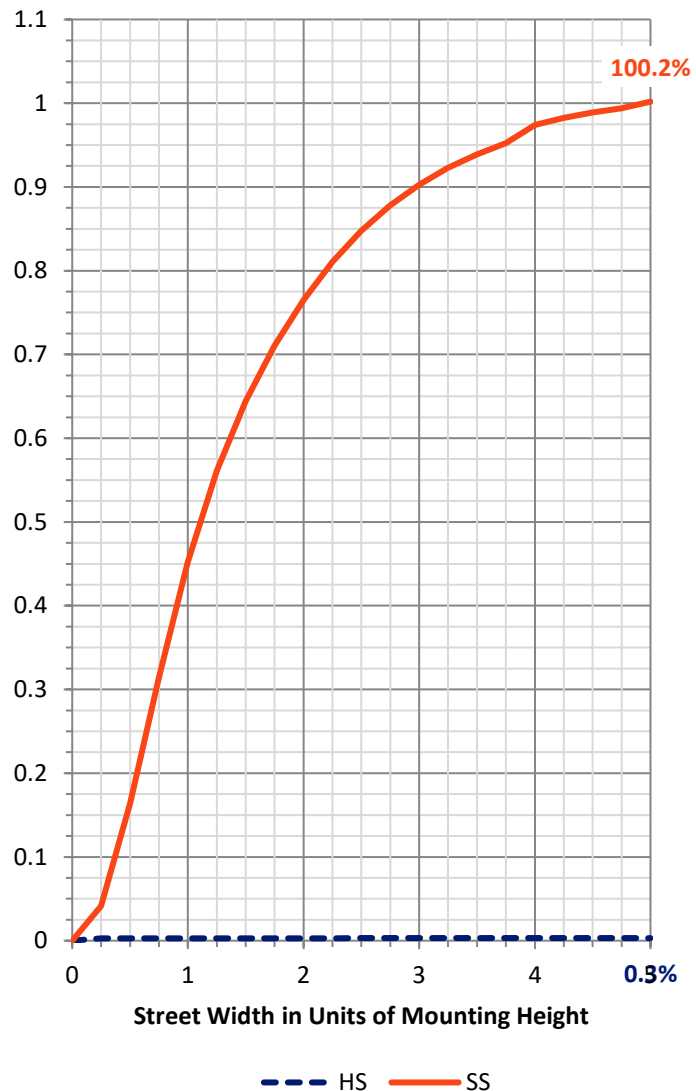
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	44.7	0.0	44.7
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	14471.0	0.0	14471.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	14515.7	0.0	14515.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.1
10°-20°	178.5	1.2
20°-30°	605.6	4.2
30°-40°	1423.2	9.8
40°-50°	2311.0	15.9
50°-60°	2928.5	20.2
60°-70°	3720.0	25.6
70°-80°	3022.5	20.8
80°-90°	311.2	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°	14515.7	100.0
0°-180°	14515.7	100.0



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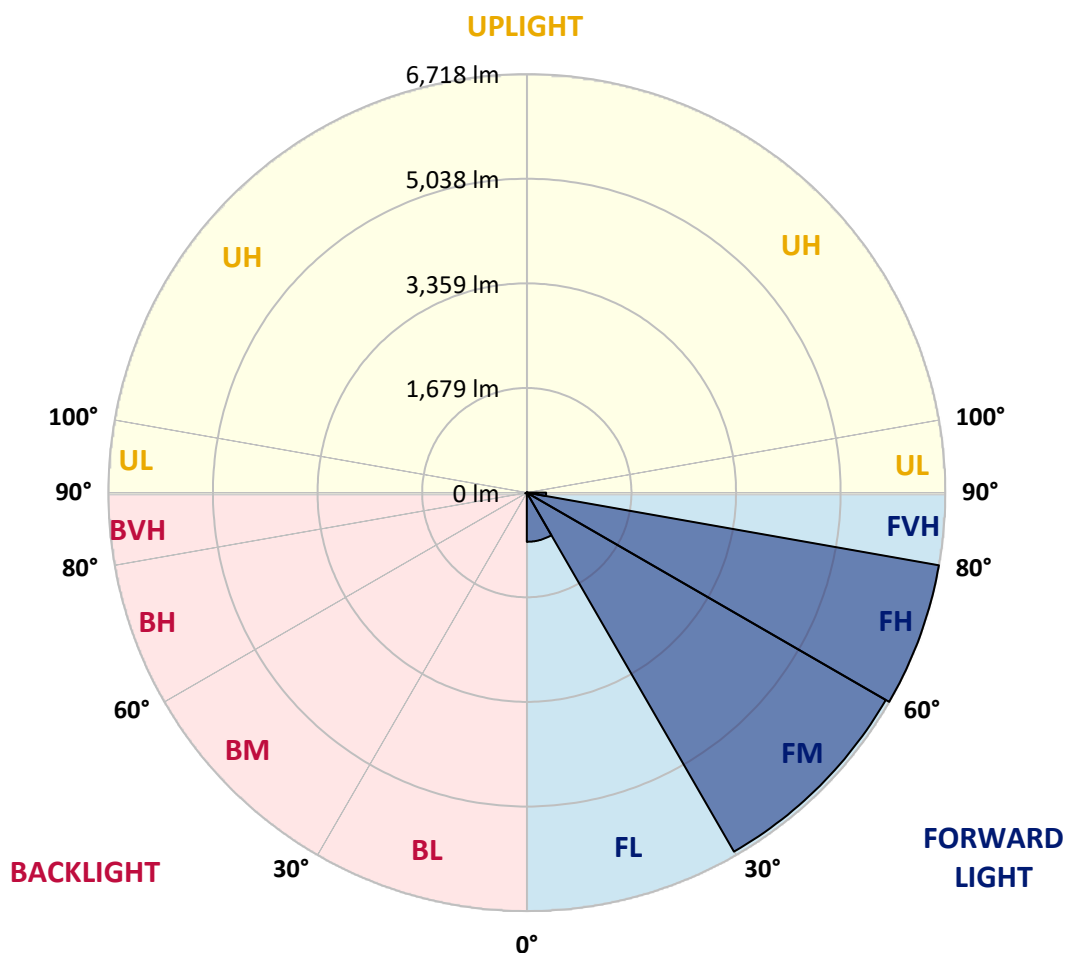
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	789.6	5.4			
FM	(30°-60°)	6654.1	45.8			
FH	(60°-80°)	6717.9	46.3			G3/7500
FVH	(80°-90°)	309.3	2.1			G3/500
BL	(0°-30°)	9.7	0.1	B0/110		
BM	(30°-60°)	8.6	0.1	B0/220		
BH	(60°-80°)	24.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2.5°	102.5	102.5	102.5	98.5	98.5	94.6	94.6	90.6	86.7	86.7	82.8
5°	193.1	197.0	185.2	161.6	145.8	137.9	130.1	110.3	98.5	90.6	82.8
7.5°	528.1	512.3	488.7	409.9	315.3	268.0	228.6	161.6	118.2	94.6	82.8
10°	1111.4	1068.0	1001.0	894.6	709.4	634.5	492.6	295.6	165.5	106.4	82.8
12.5°	1631.6	1639.4	1556.7	1454.2	1229.6	1103.5	910.4	555.7	260.1	126.1	82.8
15°	2025.7	2017.8	1986.2	1903.5	1702.5	1580.3	1406.9	934.0	437.4	157.6	86.7
17.5°	2337.0	2305.5	2293.6	2258.2	2128.1	2061.1	1872.0	1375.4	693.6	212.8	90.6
20°	2648.3	2640.4	2628.6	2589.2	2502.5	2455.2	2309.4	1820.7	1032.5	303.5	98.5
22.5°	3101.5	3058.2	3066.1	2979.4	2908.4	2825.7	2707.4	2293.6	1422.7	433.5	110.3
25°	3633.6	3629.6	3566.6	3527.2	3408.9	3318.3	3160.7	2750.8	1856.2	626.6	122.2
27.5°	4260.2	4216.8	4189.2	4122.3	4000.1	3897.6	3680.9	3204.0	2325.2	843.4	137.9
30°	4914.4	4914.4	4863.2	4760.7	4642.5	4516.4	4295.7	3680.9	2790.2	1119.2	157.6
32.5°	5678.9	5694.7	5568.6	5414.9	5261.2	5174.5	4886.8	4220.8	3235.5	1434.5	181.3
35°	6419.8	6400.1	6191.3	6021.8	5907.5	5812.9	5568.6	4811.9	3740.0	1801.0	212.8
37.5°	7129.2	7078.0	6731.2	6490.8	6439.5	6376.5	6132.1	5403.1	4240.5	2206.9	252.2
40°	7637.6	7558.8	7200.2	6869.1	6794.2	6758.8	6569.6	5939.0	4768.6	2660.2	303.5
42.5°	7858.3	7767.6	7519.4	7251.4	7085.9	7003.1	6837.6	6376.5	5296.7	3164.6	378.3
45°	7901.6	7830.7	7653.4	7590.3	7365.7	7239.6	7014.9	6687.8	5789.3	3665.1	480.8
47.5°	7744.0	7712.5	7606.1	7740.1	7625.8	7452.4	7180.4	6920.3	6226.7	4272.0	622.7
50°	7357.8	7334.1	7385.4	7736.1	7814.9	7617.9	7361.7	7101.6	6605.1	4898.6	823.7
52.5°	6837.6	6833.6	7074.0	7633.7	7897.7	7775.5	7539.1	7282.9	6904.6	5505.5	1107.4
55°	6270.1	6337.1	6758.8	7539.1	7945.0	7889.8	7712.5	7444.5	7172.6	6069.1	1564.6
57.5°	6222.8	6195.2	6601.1	7499.7	7972.6	8004.1	7885.9	7614.0	7401.1	6530.2	2175.4
60°	6695.7	6632.7	6786.3	7582.4	8094.8	8149.9	8059.3	7744.0	7629.7	6892.8	2979.4
62.5°	7243.5	7184.4	7263.2	7901.6	8335.1	8414.0	8299.7	7878.0	7814.9	7145.0	3842.4
65°	7680.9	7633.7	7783.4	8378.5	8670.1	8737.1	8658.3	8126.3	7897.7	7349.9	4543.9
67.5°	7751.9	7692.8	8004.1	8697.7	9009.1	9056.3	8993.3	8366.7	7870.1	7365.7	4705.5
70°	7550.9	7499.7	7945.0	8800.2	9154.9	9194.3	8993.3	8252.4	7495.7	6963.7	3846.4
72.5°	6932.2	6971.6	7547.0	8551.9	8953.9	8772.6	8347.0	7677.0	7011.0	5903.6	2699.6
75°	5970.6	6013.9	6778.5	7870.1	7901.6	7680.9	7452.4	7062.2	6274.0	3889.7	1872.0
77.5°	4244.4	4090.7	5233.6	6498.7	6384.4	6526.2	6545.9	5876.0	5253.3	2025.7	1253.2
80°	417.7	354.7	658.1	1864.1	4118.3	4603.1	4792.2	4528.2	3874.0	906.4	658.1
82.5°	90.6	90.6	98.5	106.4	165.5	248.3	1138.9	2790.2	2502.5	461.1	212.8
85°	51.2	51.2	63.1	74.9	98.5	110.3	130.1	173.4	673.9	165.5	39.4
87.5°	39.4	43.4	51.2	63.1	82.8	90.6	110.3	137.9	169.5	153.7	11.8
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: NAV-SA3C-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2.5°	82.8	78.8	74.9	70.9	67.0	67.0	63.1	63.1	63.1	63.1	63.1
5°	78.8	74.9	70.9	63.1	59.1	55.2	51.2	51.2	51.2	51.2	51.2
7.5°	78.8	74.9	67.0	59.1	51.2	47.3	43.4	39.4	39.4	43.4	43.4
10°	78.8	70.9	59.1	51.2	43.4	39.4	35.5	31.5	31.5	31.5	31.5
12.5°	74.9	67.0	55.2	47.3	39.4	31.5	23.6	19.7	19.7	19.7	19.7
15°	70.9	63.1	51.2	39.4	27.6	19.7	15.8	11.8	11.8	11.8	11.8
17.5°	70.9	59.1	47.3	35.5	19.7	11.8	7.9	3.9	3.9	3.9	7.9
20°	70.9	59.1	43.4	27.6	11.8	7.9	7.9	3.9	0.0	3.9	3.9
22.5°	70.9	55.2	35.5	19.7	11.8	7.9	3.9	0.0	0.0	0.0	0.0
25°	74.9	55.2	31.5	15.8	7.9	3.9	0.0	0.0	0.0	0.0	0.0
27.5°	74.9	51.2	27.6	11.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	78.8	51.2	23.6	7.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	78.8	47.3	15.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	78.8	43.4	11.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	78.8	39.4	11.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	82.8	35.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	86.7	31.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	90.6	27.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	102.5	27.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	118.2	27.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	141.9	27.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	185.2	23.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	268.0	23.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	449.3	23.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	788.2	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1332.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1738.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1320.2	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	630.6	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	279.8	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	122.2	11.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	47.3	7.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
82.5°	19.7	7.9	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
85°	11.8	7.9	7.9	7.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
87.5°	7.9	7.9	7.9	7.9	7.9	3.9	3.9	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

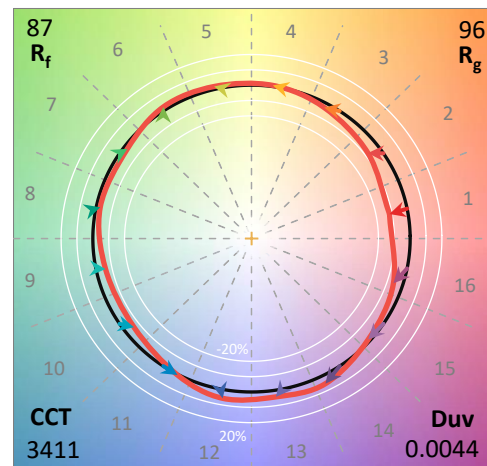
Test Information

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

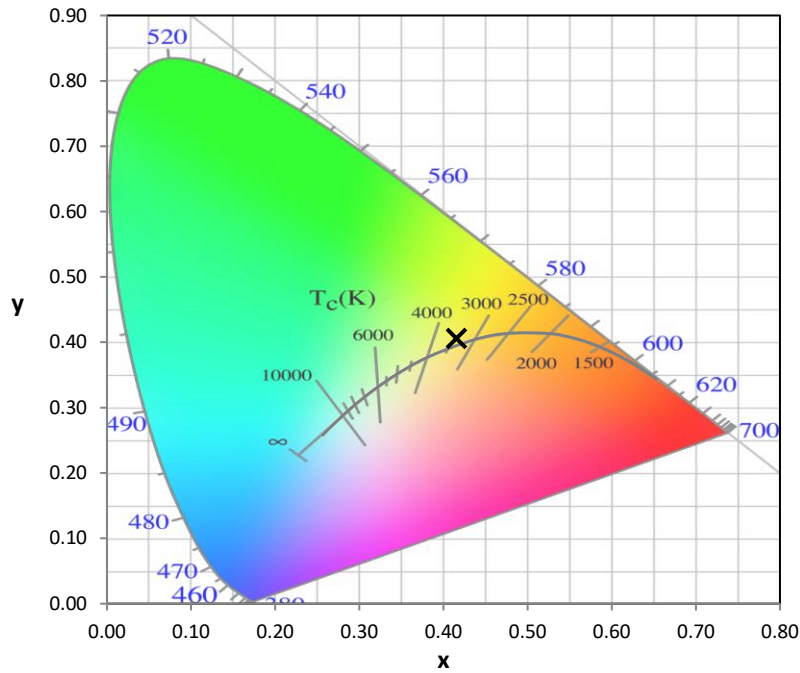
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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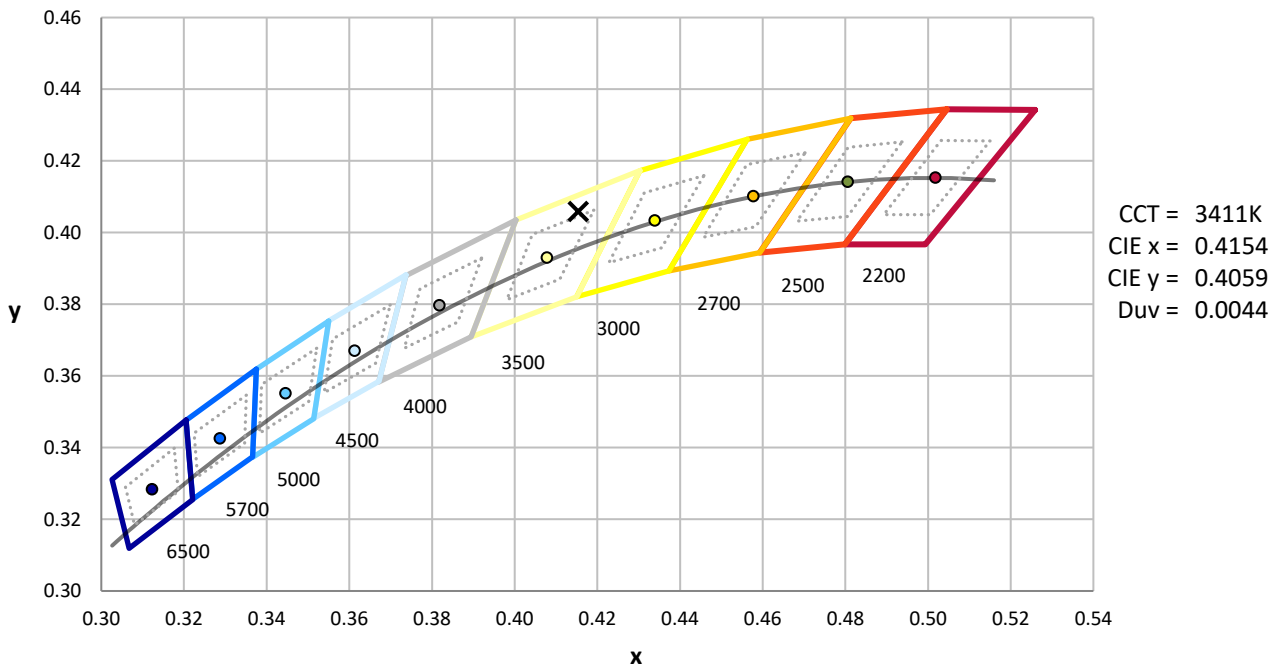
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



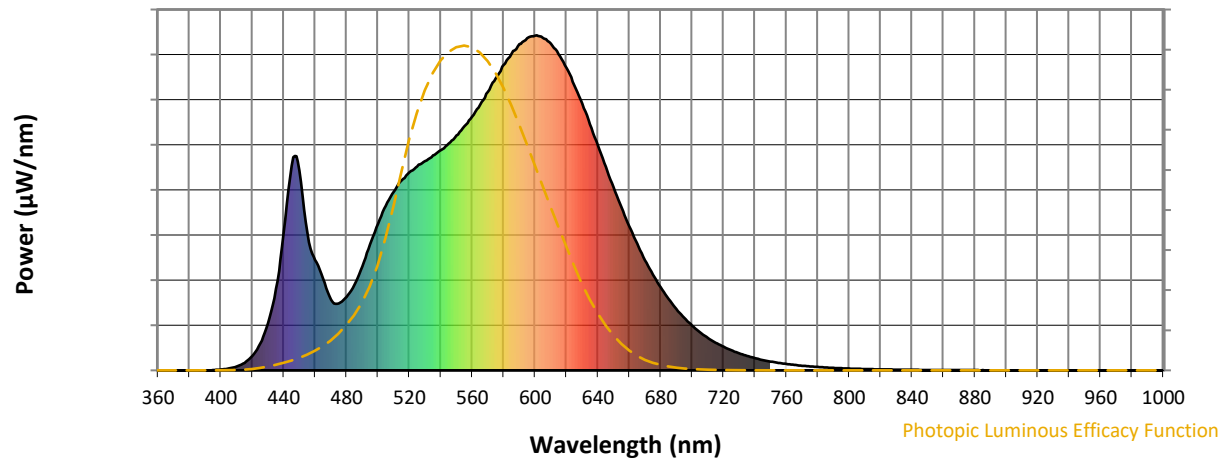
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

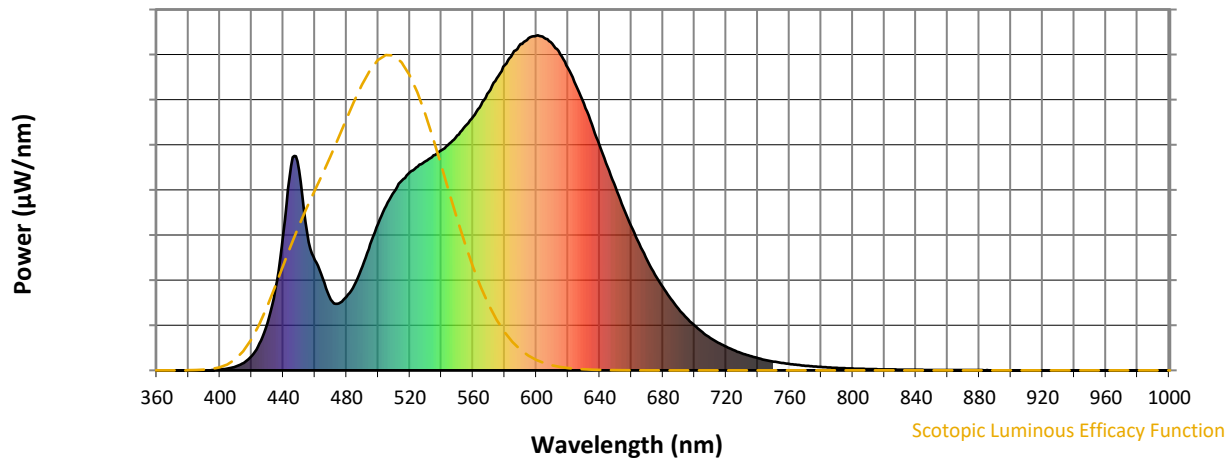


Photopic Lumens: NR

λ (nm)	Power 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



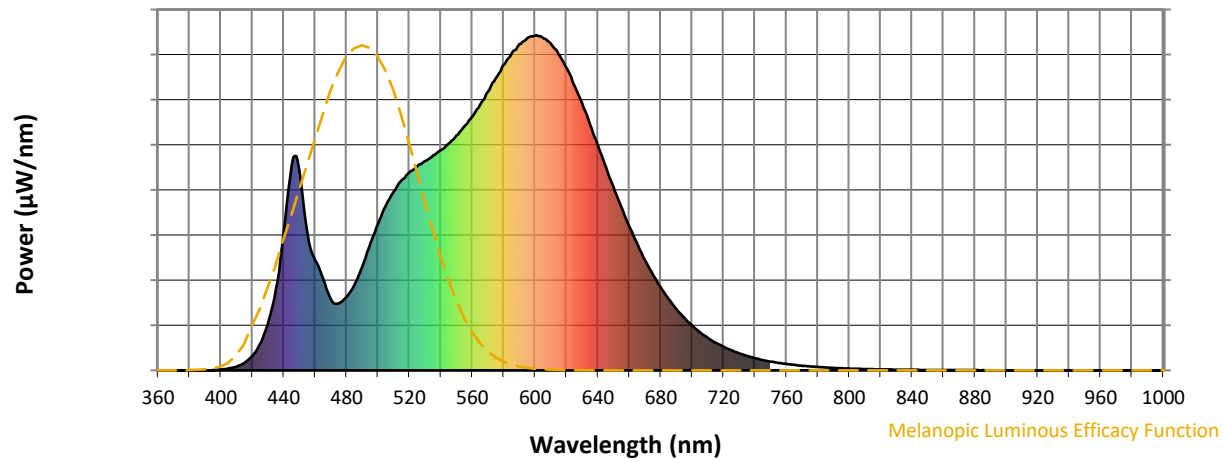
Scotopic Lumens: NR

S/P: 1.48

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



Melanopic Lumens: NR

M/P: 2.88

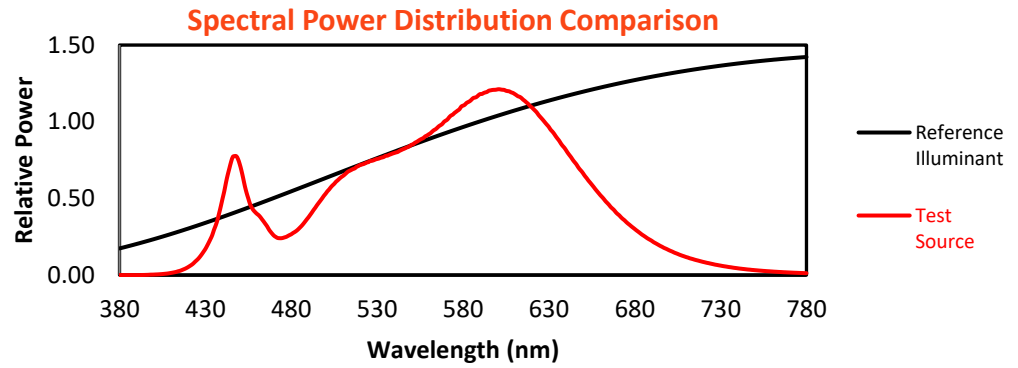
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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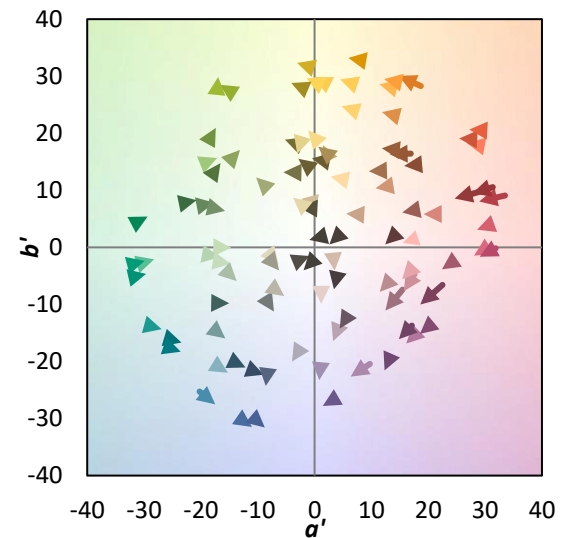
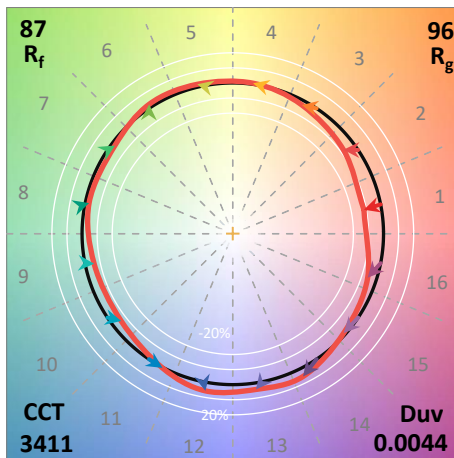
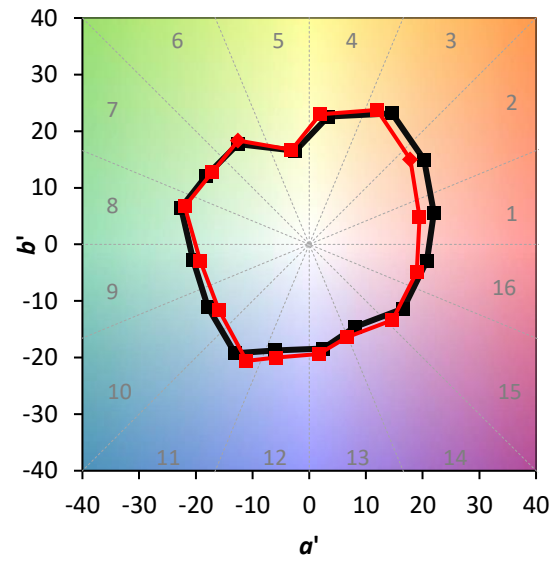
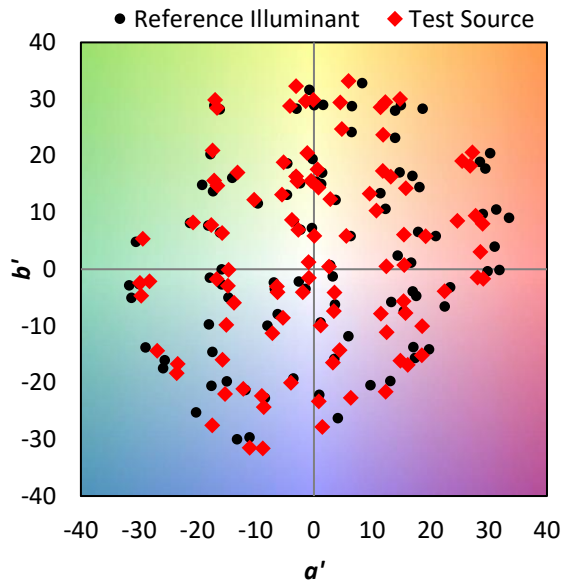
TM-30-18

Summary

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

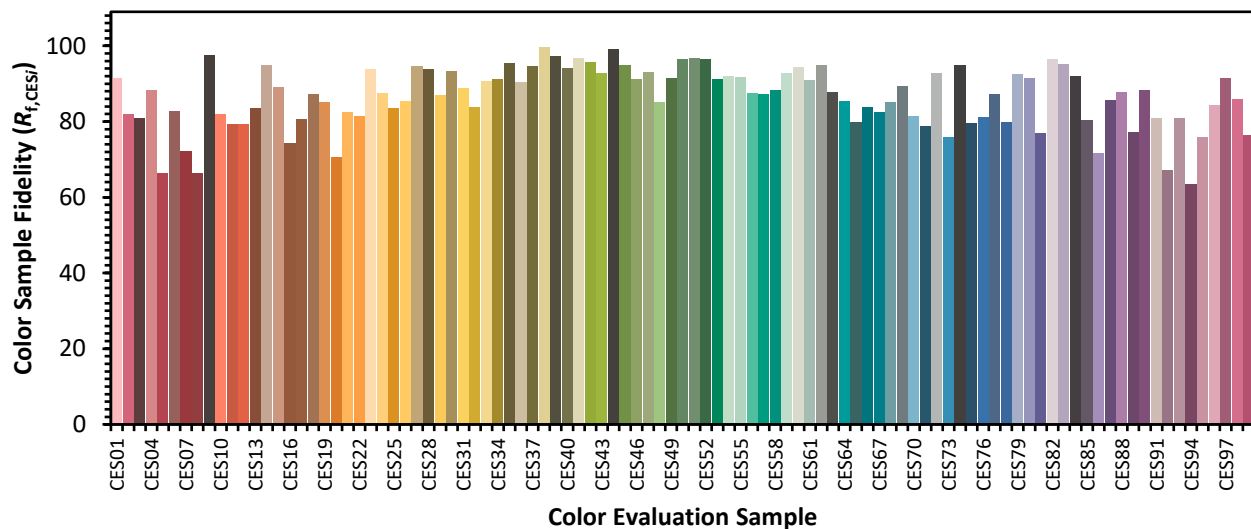


Color Vector Graphics

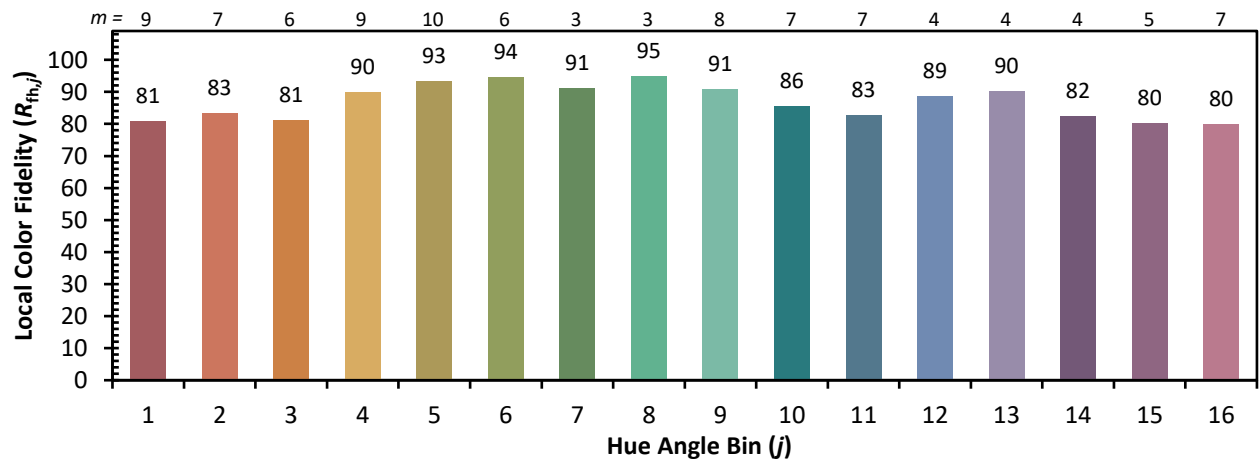
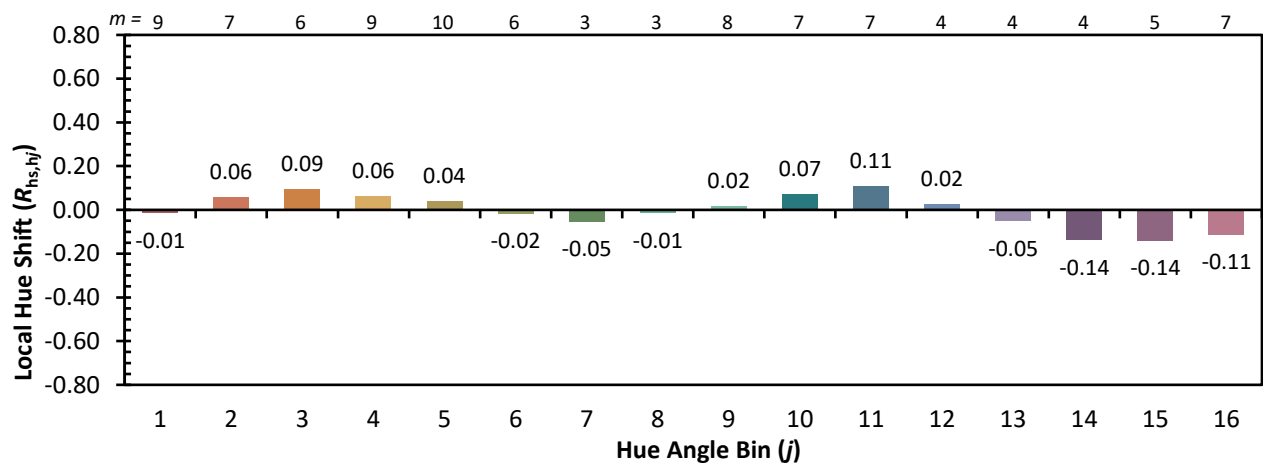
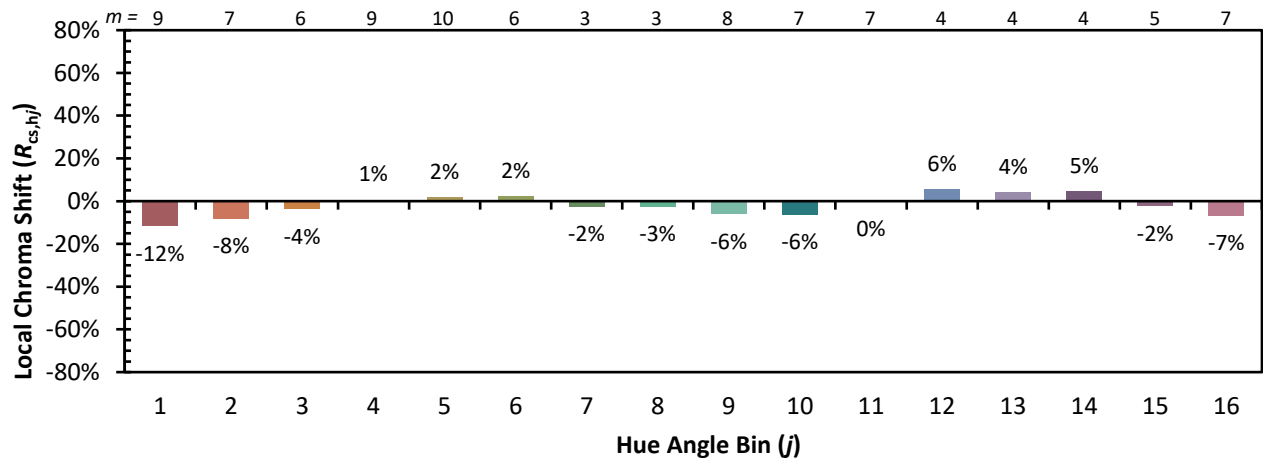


Individual Sample Fidelity Index ($R_{f,i}$)

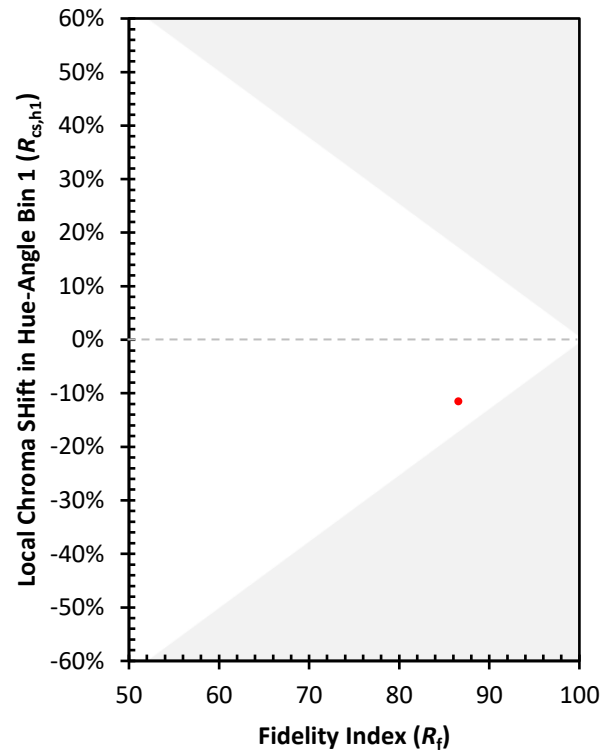
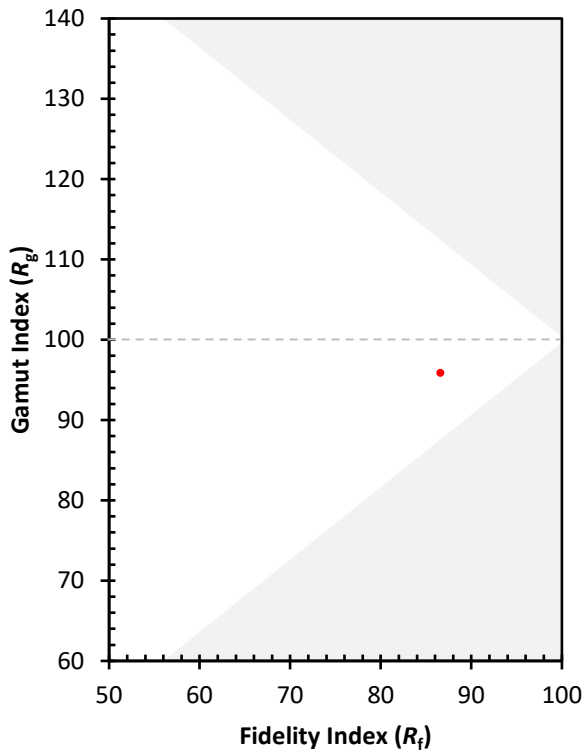
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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