

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: P1067377

Luminaire Tested: **NAV-SA4A-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067377
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4A-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12224.5 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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



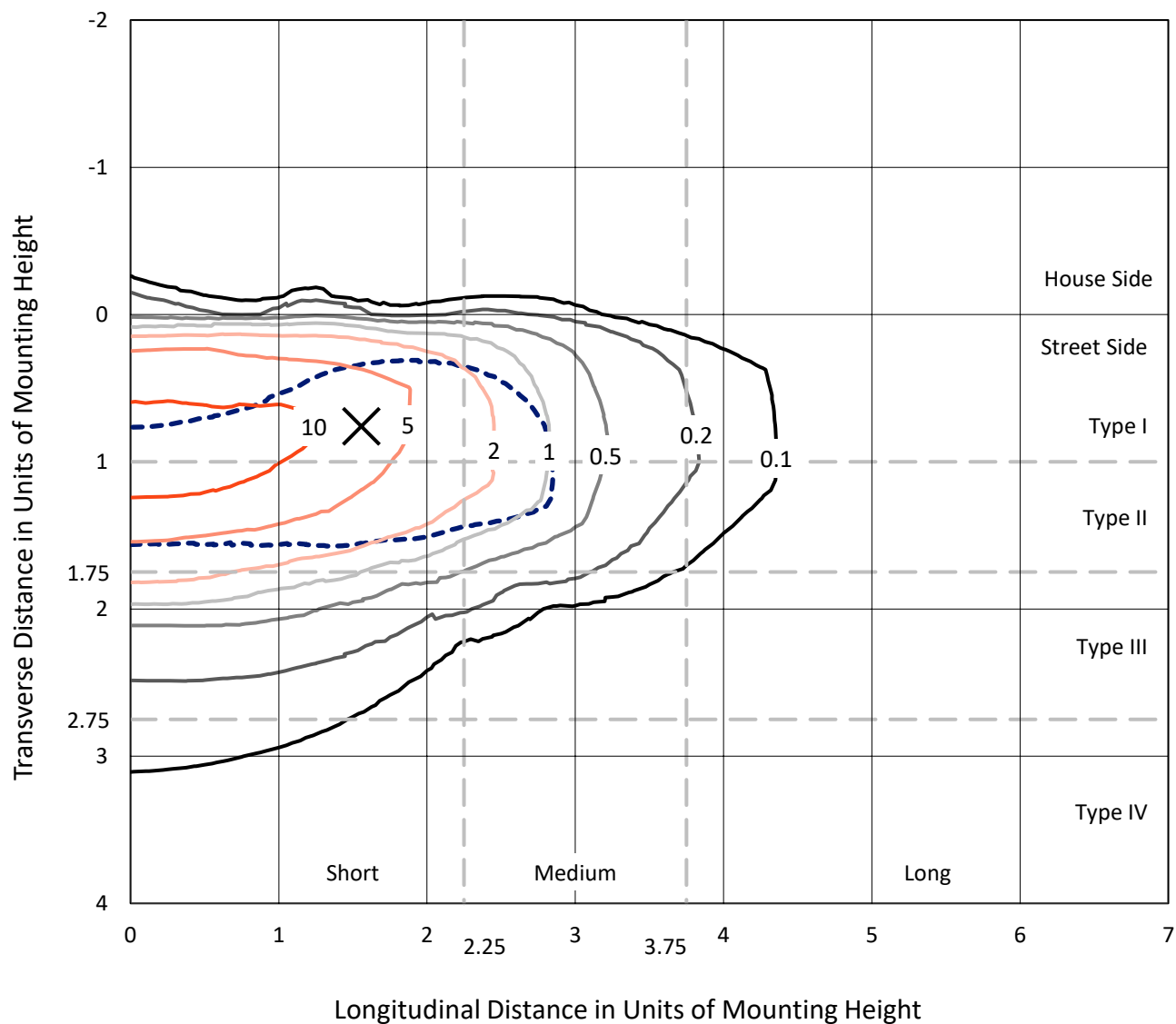
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

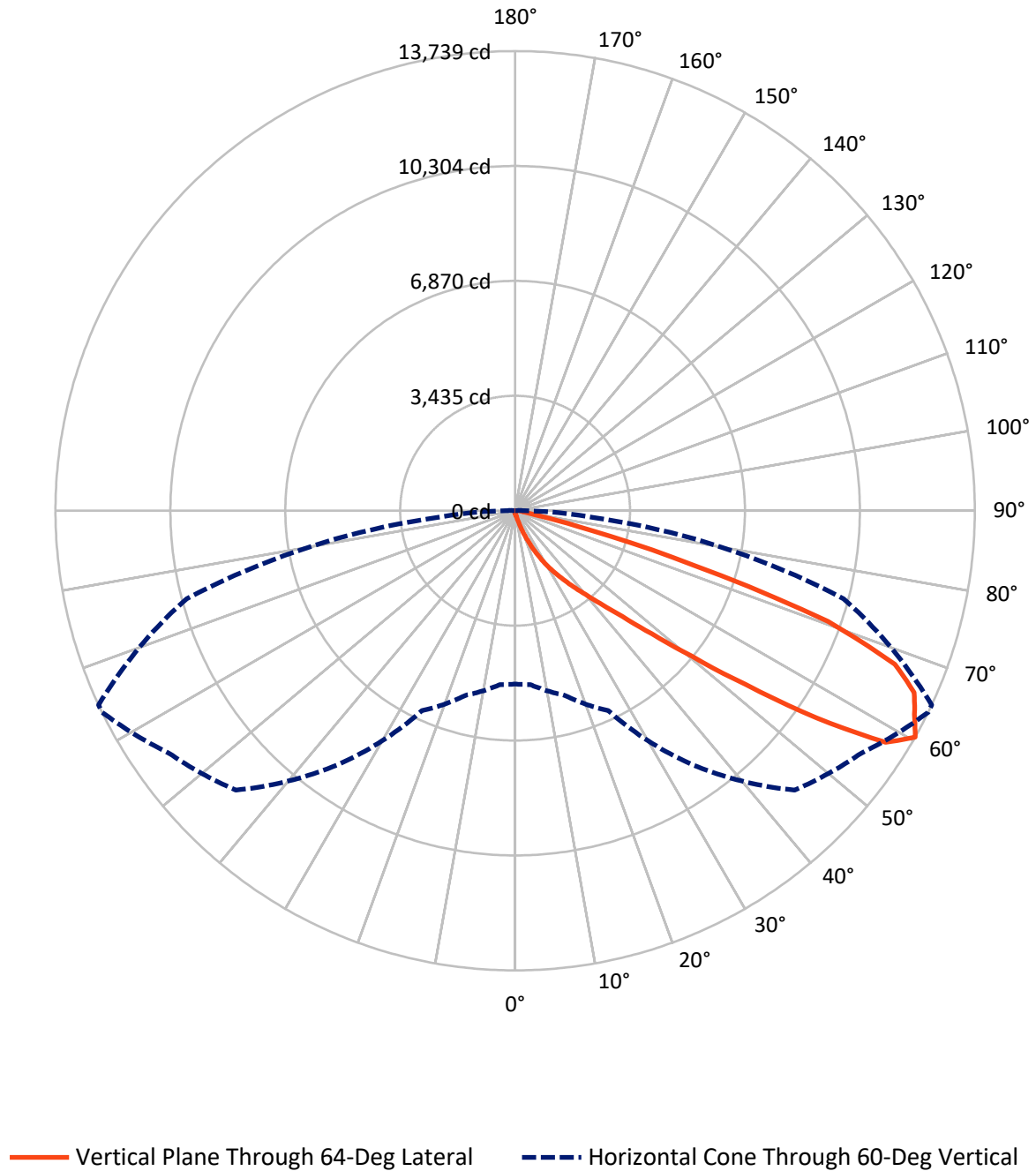


Based on 15 foot mounting height. Maximum calculated value = 17.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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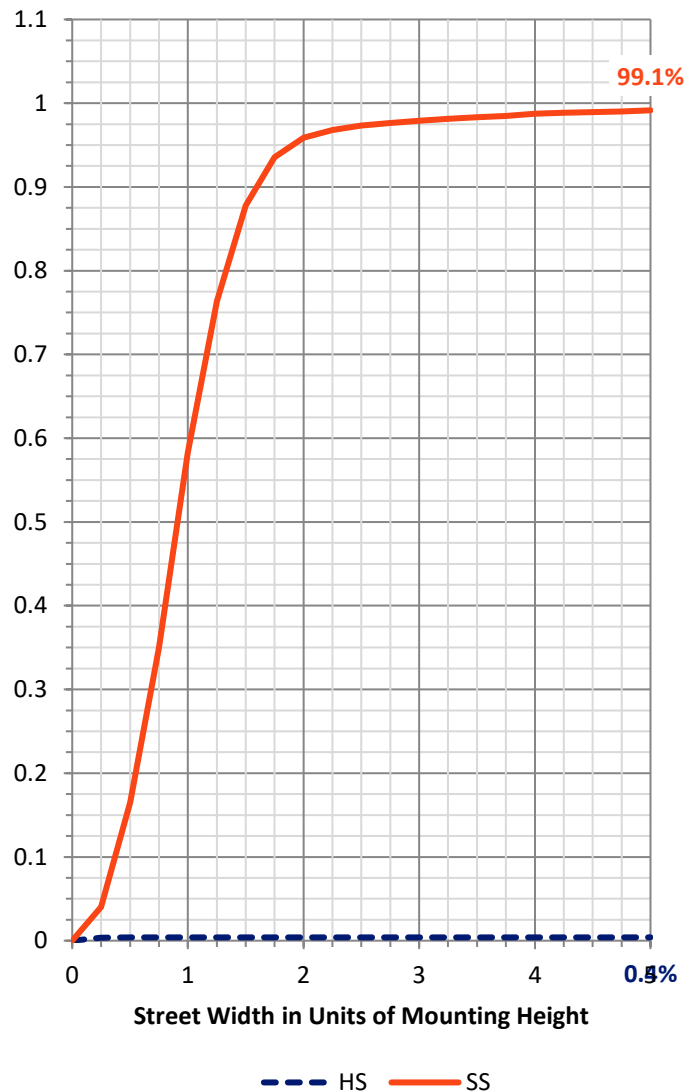
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.6	0.0	49.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12174.9	0.0	12174.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	12224.5	0.0	12224.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.1
10°-20°	120.1	1.0
20°-30°	399.0	3.3
30°-40°	1064.6	8.7
40°-50°	2705.9	22.1
50°-60°	3944.6	32.3
60°-70°	3046.9	24.9
70°-80°	836.7	6.8
80°-90°	94.5	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°	12224.5	100.0
0°-180°	12224.5	100.0



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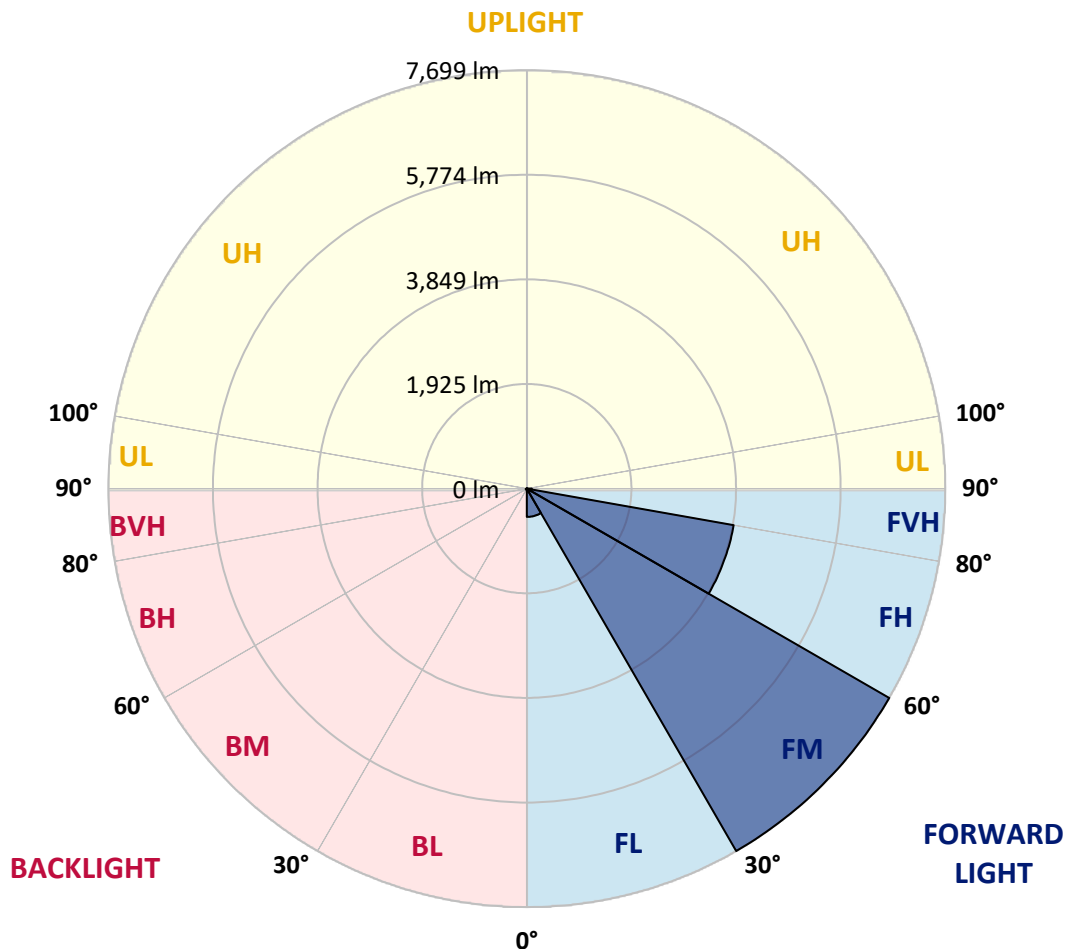
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.1	4.3			
FM	(30°-60°)	7698.7	63.0			
FH	(60°-80°)	3863.8	31.6			G2/5000
FVH	(80°-90°)	92.2	0.8			G1/100
BL	(0°-30°)	11.1	0.1	B0/110		
BM	(30°-60°)	16.4	0.1	B0/220		
BH	(60°-80°)	19.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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



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CATALOG NUMBER: NAV-SA4A-835-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
2.5°	107.7	107.7	107.7	104.3	100.9	100.9	97.6	94.2	94.2	87.5	84.1
5°	164.9	164.9	158.2	151.4	141.3	127.9	114.4	104.3	104.3	94.2	87.5
7.5°	323.0	333.1	302.8	265.8	215.4	181.7	144.7	121.1	117.8	100.9	87.5
10°	699.9	693.2	646.1	555.2	437.4	316.3	201.9	148.1	141.3	107.7	87.5
12.5°	1053.2	1063.3	1012.9	911.9	770.6	561.9	346.6	191.8	185.1	117.8	87.5
15°	1356.1	1356.1	1322.4	1272.0	1117.2	898.4	558.6	286.0	262.5	127.9	84.1
17.5°	1564.7	1561.3	1547.9	1534.4	1443.6	1218.1	854.7	457.6	403.8	151.4	84.1
20°	1800.3	1790.2	1807.0	1780.1	1709.4	1531.1	1167.6	679.7	629.2	191.8	84.1
22.5°	2045.9	2056.0	2069.4	2042.5	1965.1	1810.3	1497.4	965.7	911.9	265.8	87.5
25°	2358.8	2352.1	2382.4	2358.8	2261.2	2079.5	1807.0	1278.7	1201.3	370.1	94.2
27.5°	2742.4	2729.0	2749.2	2688.6	2560.7	2375.7	2082.9	1598.4	1507.5	531.7	107.7
30°	3250.5	3260.6	3169.8	3099.1	2917.4	2671.8	2389.1	1941.6	1847.4	723.5	121.1
32.5°	4051.4	3980.7	3839.4	3553.4	3314.5	3001.5	2695.3	2241.1	2156.9	969.1	141.3
35°	5299.8	5313.3	5003.7	4297.0	3778.8	3415.4	3031.8	2570.8	2510.3	1248.4	168.2
37.5°	6820.8	6783.7	6511.2	5619.5	4458.6	3930.3	3415.4	2930.9	2843.4	1551.2	201.9
40°	8543.6	8388.8	8230.7	7625.0	5875.2	4576.3	3900.0	3348.1	3280.8	1901.2	255.7
42.5°	9923.2	9882.9	9909.8	9657.4	8237.4	5676.7	4542.7	3859.6	3778.8	2335.3	350.0
45°	10603.0	10545.8	10707.3	10895.7	10532.3	8018.7	5579.1	4512.4	4404.7	2846.8	494.6
47.5°	10421.3	10380.9	10727.5	11097.6	11582.2	10734.2	7271.7	5488.2	5303.2	3502.9	710.0
50°	9526.2	9529.5	10098.2	10788.0	11555.3	12110.5	9778.6	6824.1	6591.9	4374.4	1046.5
52.5°	8654.7	8681.6	9283.9	10290.0	11154.8	12272.0	11979.2	8624.4	8247.5	5400.8	1443.6
55°	7759.6	7773.0	8304.7	9721.4	10966.4	11790.8	13109.9	10942.8	10542.4	6679.4	1830.5
57.5°	6898.2	6898.2	7096.7	8355.2	10761.1	11747.1	12975.3	13062.8	12736.3	8139.8	2116.6
60°	5182.0	5215.7	5710.3	6591.9	9280.5	11811.0	12632.0	13739.1	13739.1	10165.5	2335.3
62.5°	2617.9	2668.4	3284.2	4142.3	6366.5	10929.4	12685.9	13399.2	13453.1	11952.3	2833.3
65°	1228.2	1285.4	1615.2	2220.9	3425.5	7692.3	12127.3	13109.9	13093.0	11612.5	3883.2
67.5°	881.6	898.4	1009.5	1295.5	1844.0	3371.7	9257.0	12245.1	12251.8	9866.0	4465.3
70°	790.8	790.8	817.7	901.8	1110.4	1507.5	4498.9	9916.5	10397.7	7618.3	4138.9
72.5°	780.7	773.9	767.2	770.6	750.4	757.1	1544.5	5599.3	6285.7	5330.1	3301.0
75°	760.5	760.5	753.7	730.2	599.0	487.9	531.7	2264.6	2617.9	3560.1	2449.7
77.5°	602.3	662.9	733.6	689.8	548.5	366.8	309.6	656.2	827.8	2183.9	1776.7
80°	279.3	282.7	279.3	292.8	350.0	262.5	228.8	319.7	323.0	1211.4	1100.3
82.5°	201.9	205.3	195.2	175.0	154.8	141.3	188.4	235.5	252.4	555.2	410.5
85°	60.6	57.2	67.3	90.9	107.7	124.5	158.2	198.5	208.6	205.3	60.6
87.5°	26.9	26.9	33.6	47.1	63.9	94.2	138.0	181.7	185.1	212.0	16.8
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-SA4A-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
2.5°	84.1	80.8	77.4	74.0	70.7	67.3	63.9	63.9	67.3	67.3	67.3
5°	80.8	77.4	70.7	63.9	60.6	57.2	53.8	53.8	57.2	57.2	57.2
7.5°	80.8	74.0	67.3	60.6	53.8	50.5	47.1	47.1	47.1	50.5	50.5
10°	80.8	74.0	63.9	53.8	47.1	43.7	40.4	37.0	40.4	40.4	40.4
12.5°	77.4	70.7	60.6	50.5	40.4	33.6	30.3	30.3	30.3	30.3	30.3
15°	74.0	67.3	57.2	43.7	33.6	26.9	20.2	20.2	20.2	23.6	23.6
17.5°	70.7	63.9	50.5	33.6	23.6	16.8	13.5	13.5	13.5	16.8	16.8
20°	70.7	60.6	43.7	26.9	16.8	10.1	6.7	6.7	6.7	10.1	13.5
22.5°	70.7	60.6	40.4	20.2	10.1	6.7	3.4	3.4	3.4	3.4	3.4
25°	70.7	57.2	37.0	16.8	6.7	3.4	0.0	0.0	3.4	6.7	10.1
27.5°	70.7	53.8	30.3	10.1	6.7	3.4	0.0	3.4	6.7	6.7	6.7
30°	70.7	53.8	26.9	10.1	3.4	0.0	0.0	3.4	6.7	6.7	10.1
32.5°	74.0	50.5	23.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	77.4	47.1	20.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	84.1	47.1	13.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	94.2	50.5	13.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	117.8	53.8	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	164.9	67.3	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	242.3	100.9	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	353.3	138.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	434.1	138.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	430.7	87.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	329.8	60.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	279.3	43.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	336.5	33.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	599.0	30.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	962.4	30.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1076.8	30.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	841.2	26.9	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	461.0	23.6	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	232.2	16.8	6.7	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	97.6	13.5	6.7	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
82.5°	33.6	13.5	6.7	6.7	3.4	3.4	0.0	0.0	0.0	0.0	0.0
85°	16.8	10.1	10.1	6.7	6.7	3.4	3.4	0.0	0.0	0.0	0.0
87.5°	10.1	10.1	10.1	6.7	6.7	3.4	3.4	0.0	0.0	0.0	3.4
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

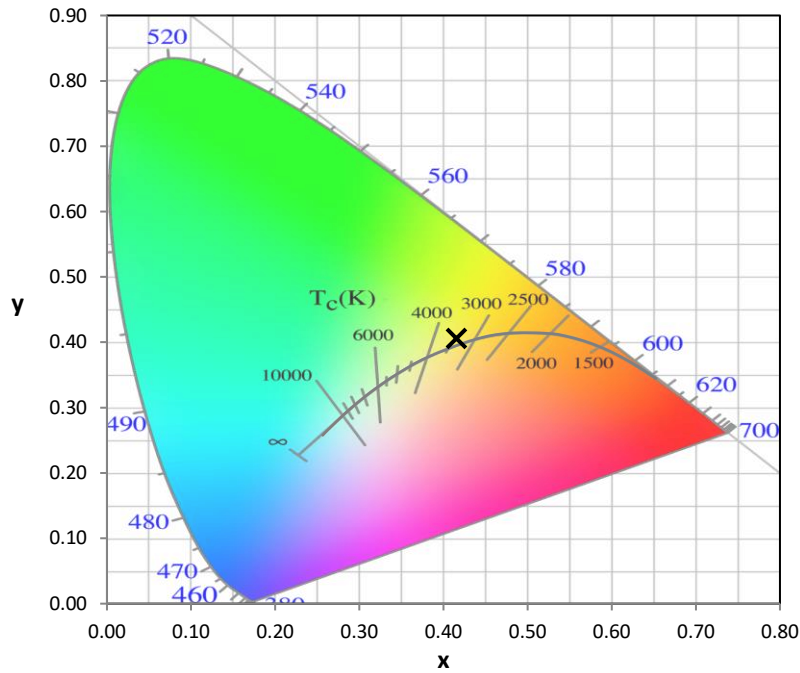
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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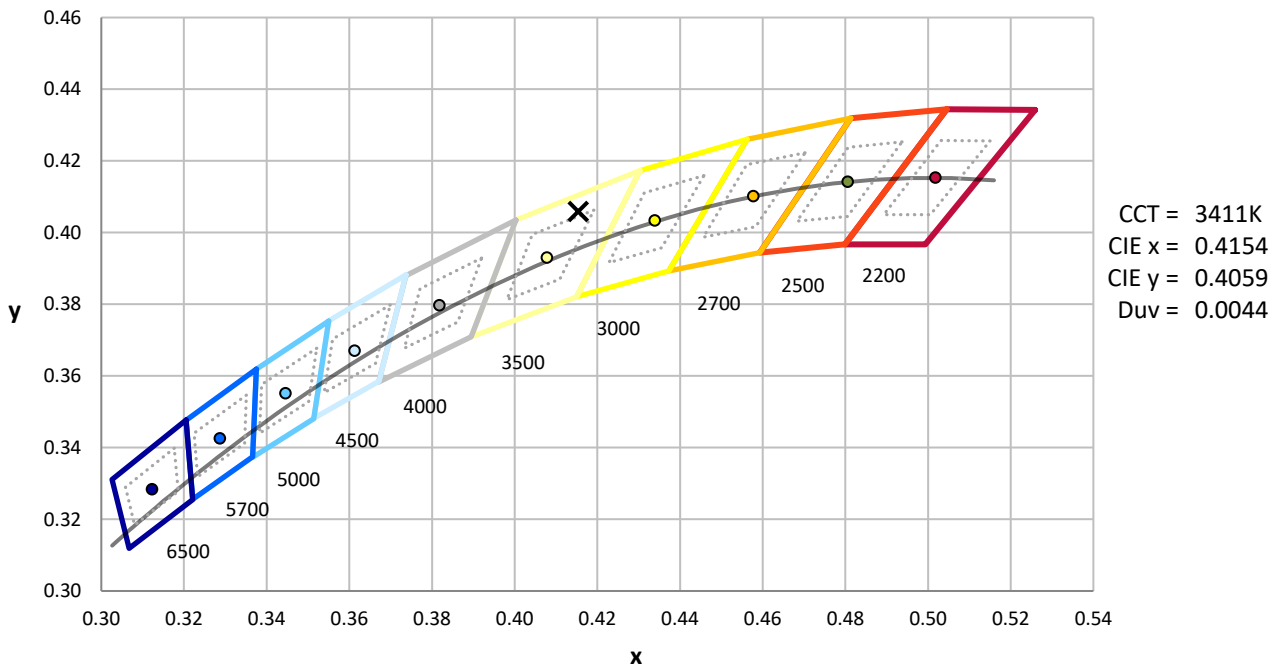
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

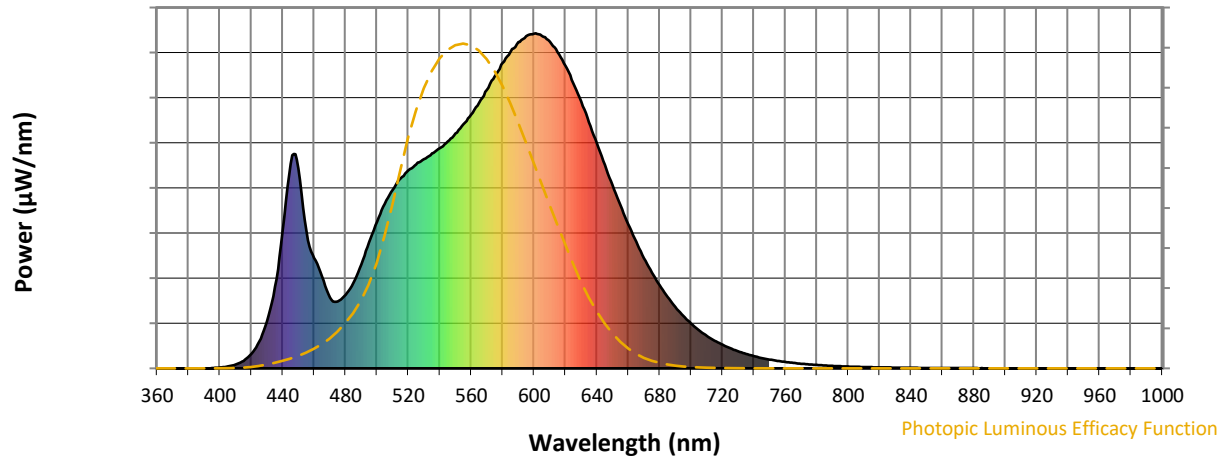


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

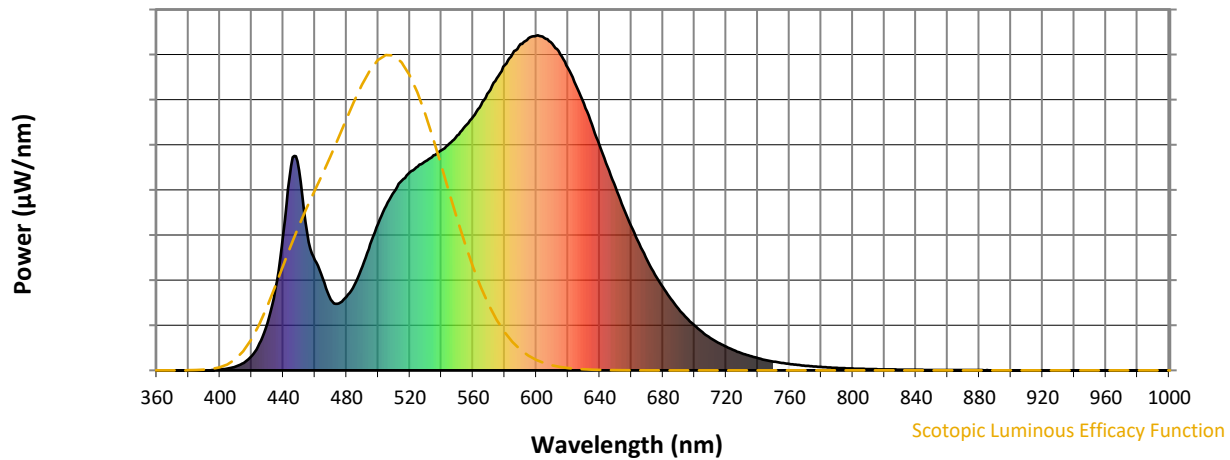
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Photopic Flux vs. Wavelength

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



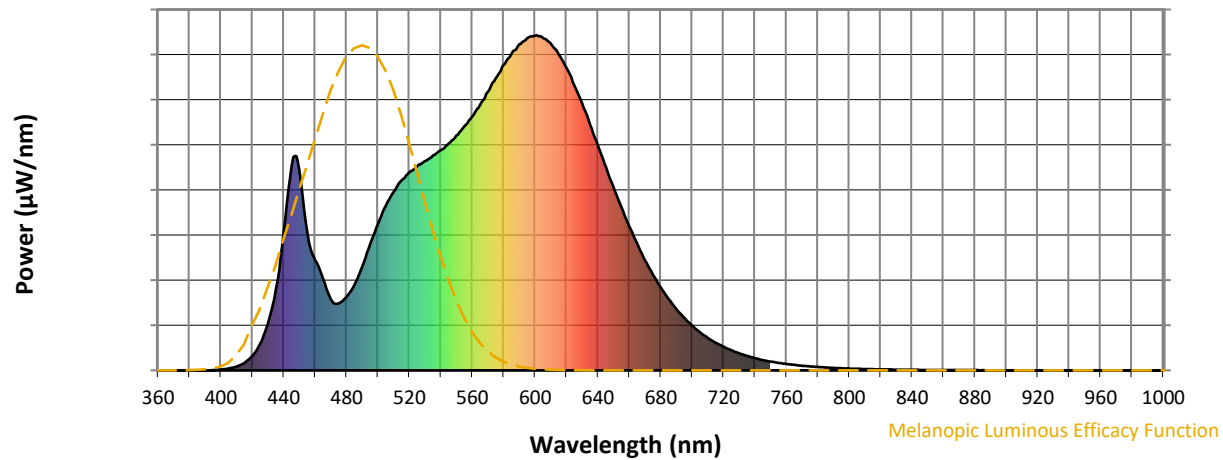
Scotopic Lumens: NR

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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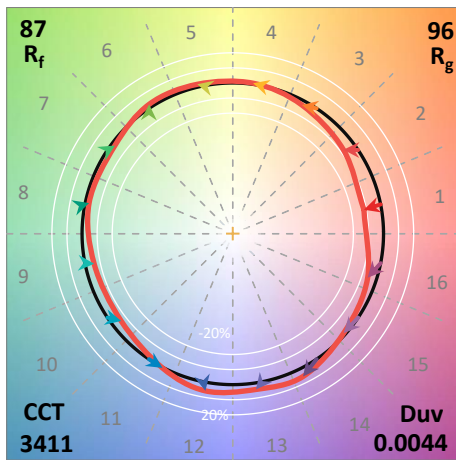
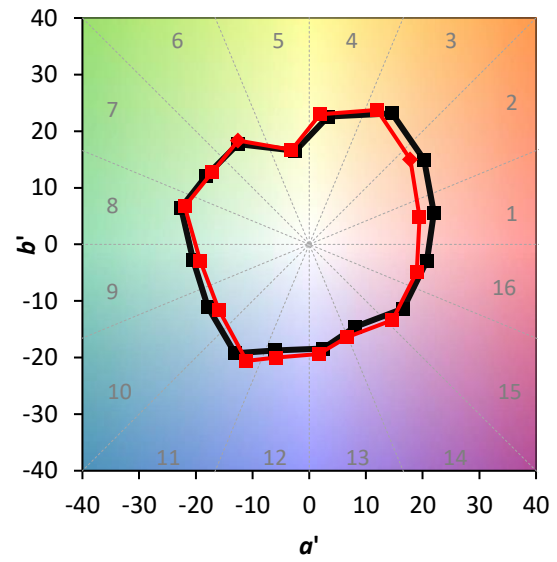
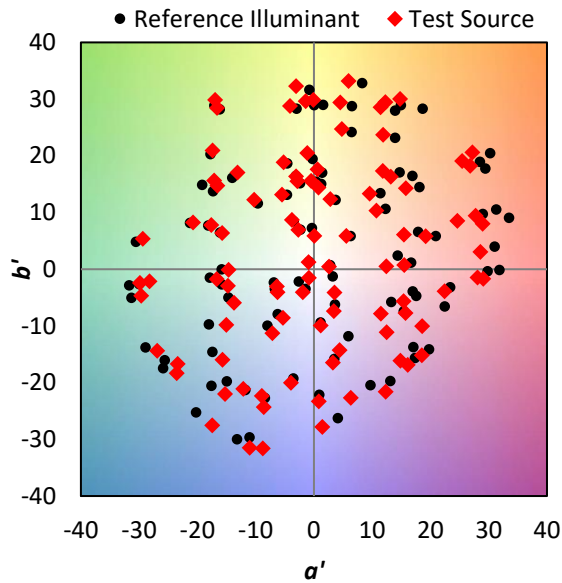
TM-30-18

Summary

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



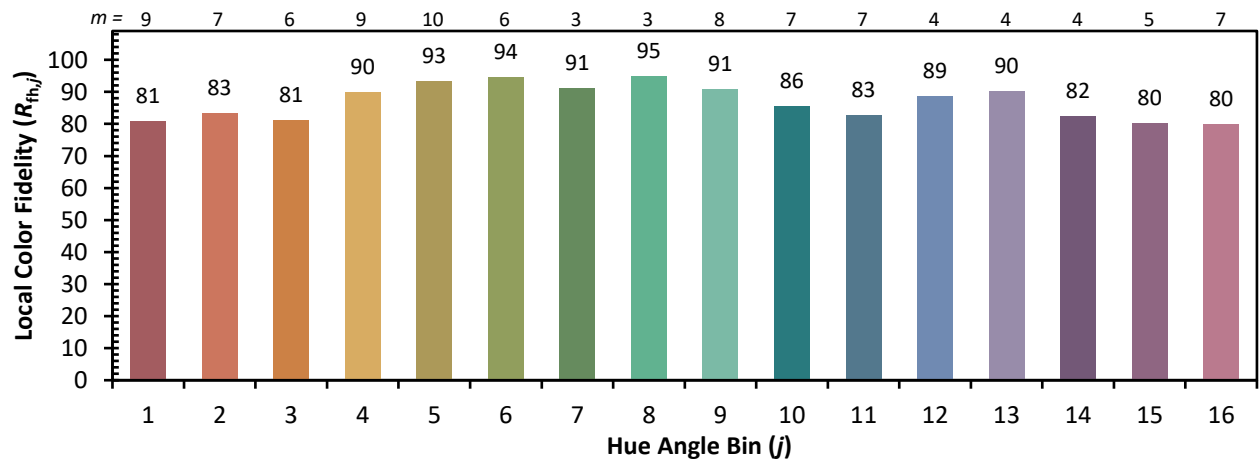
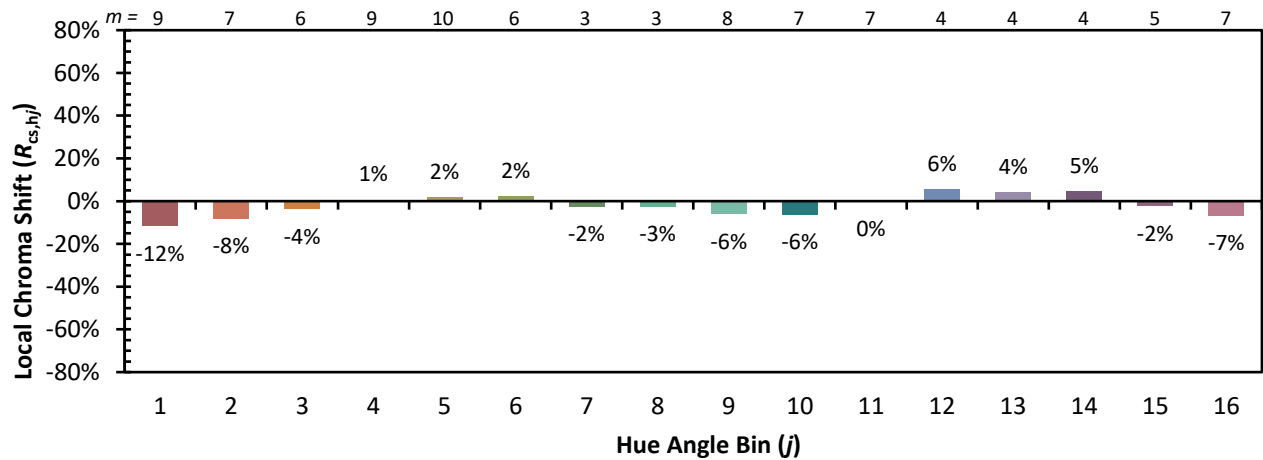
Color Vector Graphics



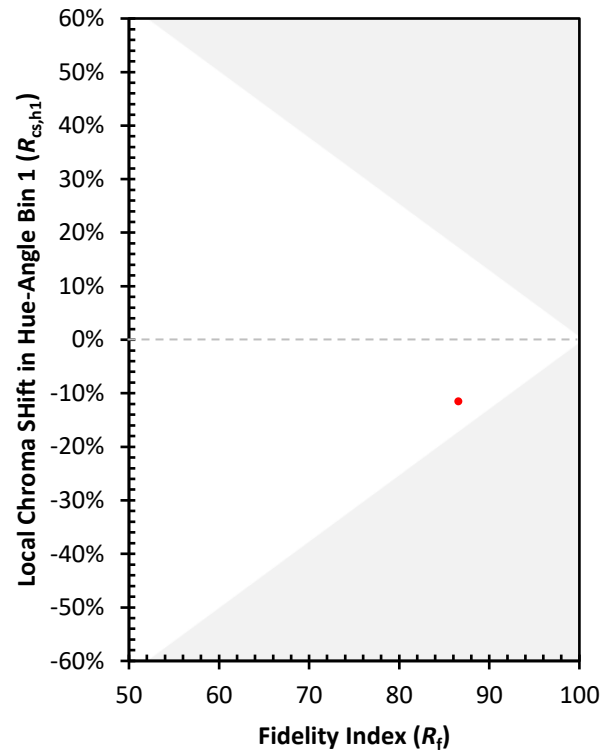
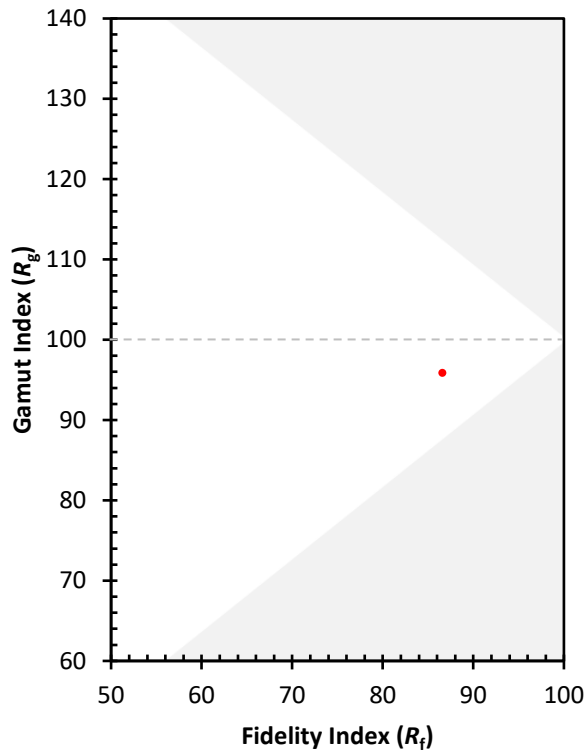
Individual Sample Fidelity Index ($R_{f,i}$)

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)