

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: P1067368

Luminaire Tested: **NAV-SA1D-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067368
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1D-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5492 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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



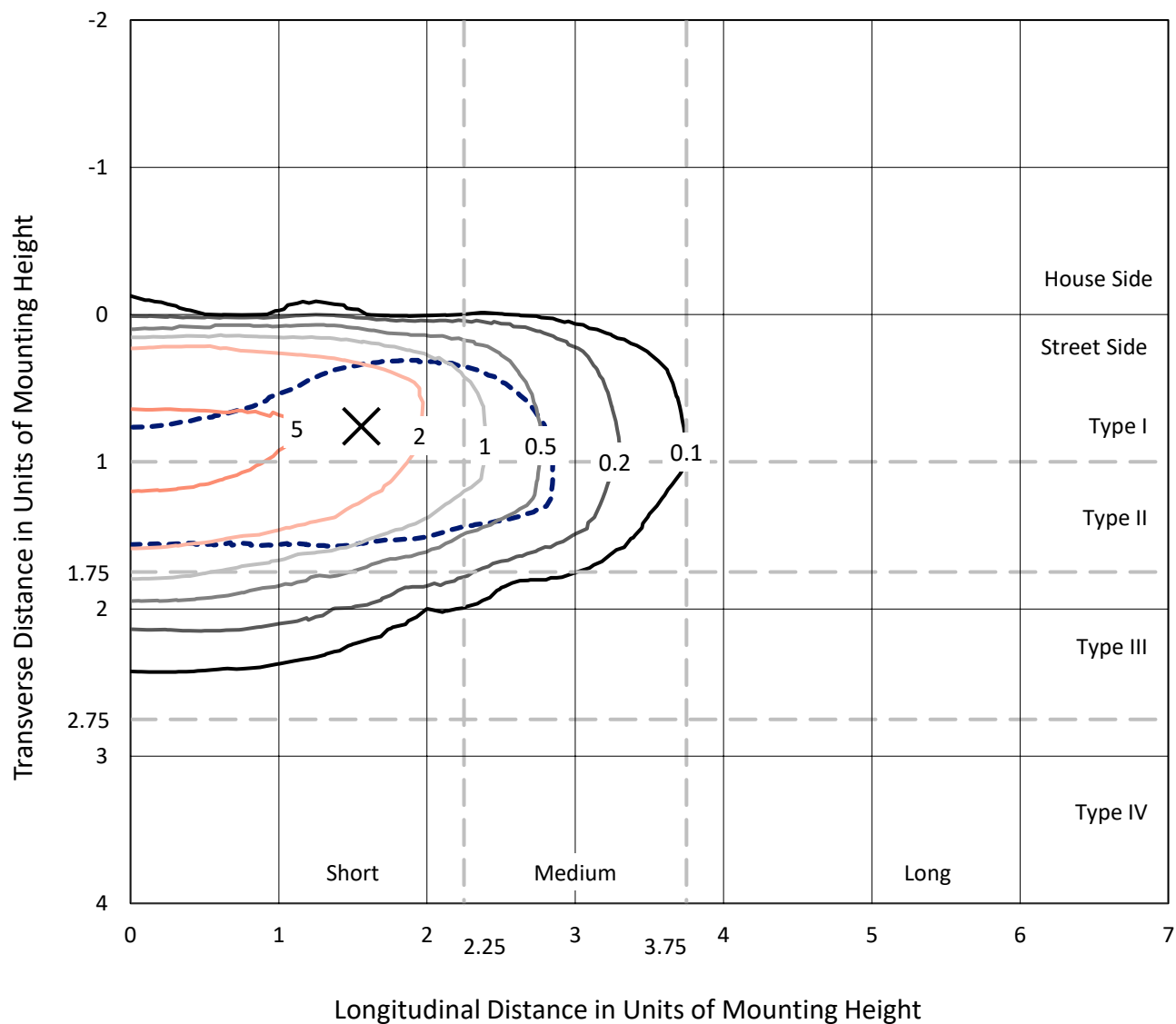
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

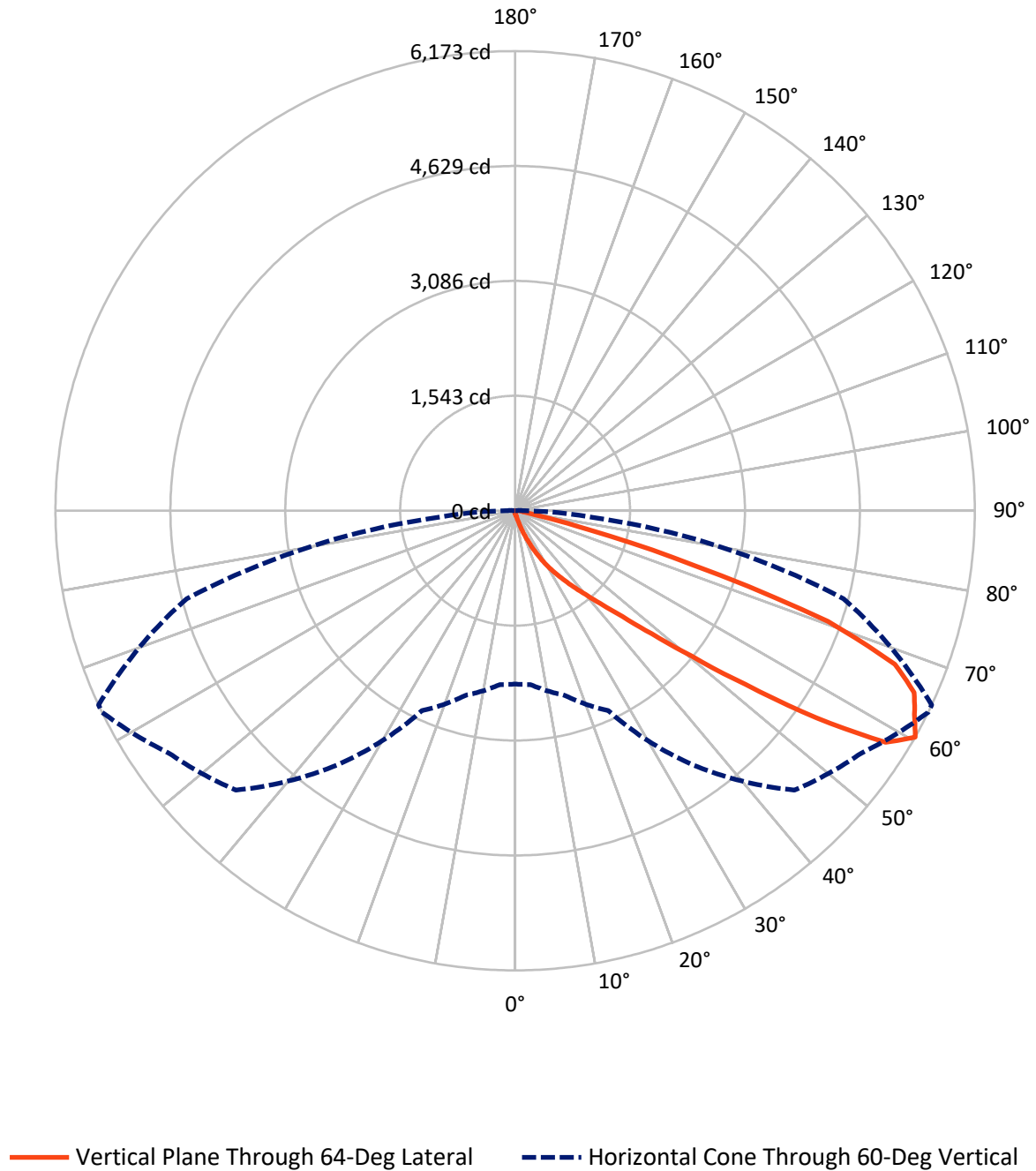


Based on 15 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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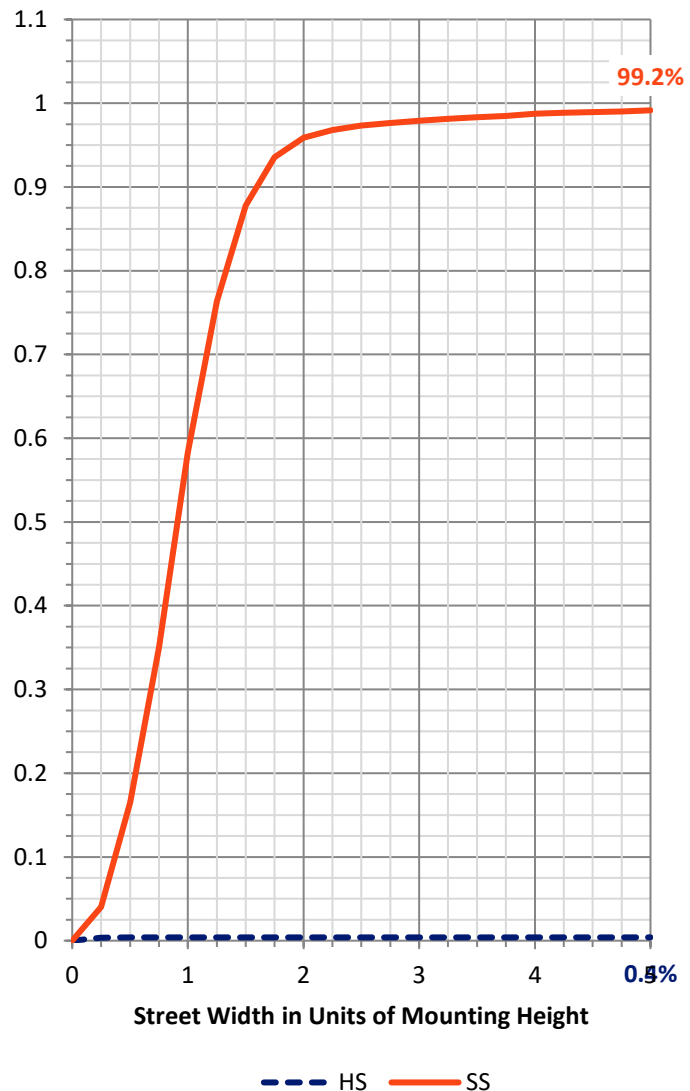
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22.2	0.0	22.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5469.7	0.0	5469.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	5492.0	0.0	5492.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	54.0	1.0
20°-30°	179.2	3.3
30°-40°	478.3	8.7
40°-50°	1215.7	22.1
50°-60°	1772.2	32.3
60°-70°	1368.8	24.9
70°-80°	375.9	6.8
80°-90°	42.4	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°	5492.0	100.0
0°-180°	5492.0	100.0



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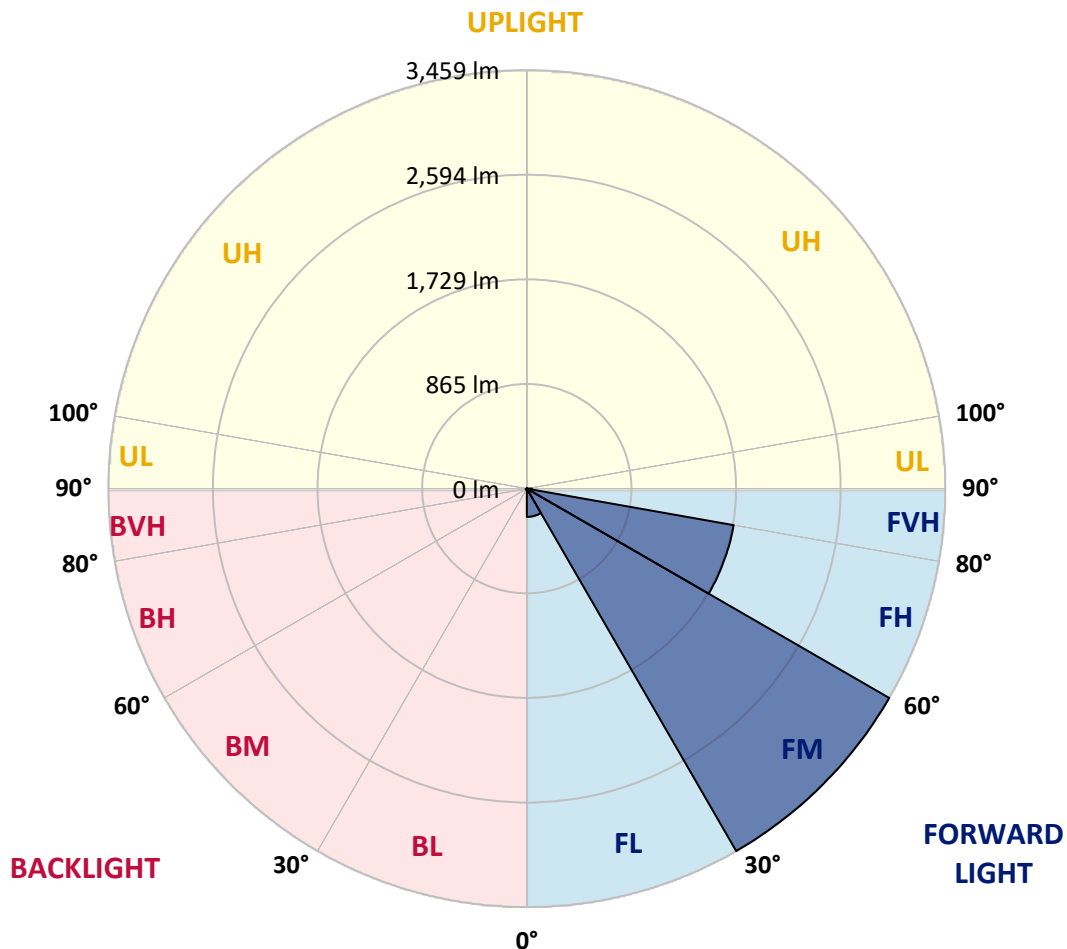
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.7	4.3			
FM	(30°-60°)	3458.8	63.0			
FH	(60°-80°)	1735.9	31.6			G1/1800
FVH	(80°-90°)	41.4	0.8			G1/100
BL	(0°-30°)	5.0	0.1	B0/110		
BM	(30°-60°)	7.4	0.1	B0/220		
BH	(60°-80°)	8.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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-G1

Type II Short



REPORT NUMBER: P1067368

CATALOG NUMBER: NAV-SA1D-835-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
2.5°	48.4	48.4	48.4	46.9	45.4	45.4	43.8	42.3	42.3	39.3	37.8
5°	74.1	74.1	71.1	68.0	63.5	57.4	51.4	46.9	46.9	42.3	39.3
7.5°	145.1	149.7	136.1	119.4	96.8	81.6	65.0	54.4	52.9	45.4	39.3
10°	314.4	311.4	290.3	249.4	196.5	142.1	90.7	66.5	63.5	48.4	39.3
12.5°	473.2	477.7	455.0	409.7	346.2	252.5	155.7	86.2	83.1	52.9	39.3
15°	609.2	609.2	594.1	571.4	501.9	403.6	251.0	128.5	117.9	57.4	37.8
17.5°	703.0	701.5	695.4	689.4	648.5	547.3	384.0	205.6	181.4	68.0	37.8
20°	808.8	804.2	811.8	799.7	768.0	687.8	524.6	305.4	282.7	86.2	37.8
22.5°	919.1	923.7	929.7	917.6	882.9	813.3	672.7	433.9	409.7	119.4	39.3
25°	1059.7	1056.7	1070.3	1059.7	1015.9	934.3	811.8	574.5	539.7	166.3	42.3
27.5°	1232.1	1226.0	1235.1	1207.9	1150.4	1067.3	935.8	718.1	677.3	238.9	48.4
30°	1460.3	1464.9	1424.1	1392.3	1310.7	1200.3	1073.3	872.3	829.9	325.0	54.4
32.5°	1820.1	1788.4	1724.9	1596.4	1489.1	1348.5	1210.9	1006.8	969.0	435.4	63.5
35°	2381.0	2387.0	2248.0	1930.5	1697.7	1534.4	1362.1	1155.0	1127.8	560.9	75.6
37.5°	3064.3	3047.7	2925.2	2524.6	2003.1	1765.7	1534.4	1316.7	1277.4	696.9	90.7
40°	3838.3	3768.8	3697.7	3425.6	2639.5	2056.0	1752.1	1504.2	1474.0	854.1	114.9
42.5°	4458.1	4440.0	4452.1	4338.7	3700.8	2550.3	2040.9	1734.0	1697.7	1049.2	157.2
45°	4763.5	4737.8	4810.4	4895.0	4731.8	3602.5	2506.5	2027.3	1978.9	1278.9	222.2
47.5°	4681.9	4663.7	4819.5	4985.7	5203.4	4822.5	3266.9	2465.7	2382.5	1573.7	319.0
50°	4279.8	4281.3	4536.8	4846.7	5191.3	5440.8	4393.1	3065.8	2961.5	1965.3	470.2
52.5°	3888.2	3900.3	4170.9	4622.9	5011.4	5513.3	5381.8	3874.6	3705.3	2426.4	648.5
55°	3486.1	3492.1	3731.0	4367.4	4926.8	5297.2	5889.8	4916.2	4736.3	3000.8	822.4
57.5°	3099.1	3099.1	3188.3	3753.7	4834.6	5277.5	5829.3	5868.6	5722.0	3656.9	950.9
60°	2328.1	2343.2	2565.4	2961.5	4169.4	5306.2	5675.1	6172.5	6172.5	4567.0	1049.2
62.5°	1176.1	1198.8	1475.5	1861.0	2860.2	4910.2	5699.3	6019.8	6044.0	5369.7	1272.9
65°	551.8	577.5	725.6	997.8	1539.0	3455.9	5448.3	5889.8	5882.2	5217.0	1744.6
67.5°	396.1	403.6	453.5	582.0	828.4	1514.8	4158.8	5501.3	5504.3	4432.4	2006.1
70°	355.3	355.3	367.4	405.1	498.9	677.3	2021.2	4455.1	4671.3	3422.6	1859.4
72.5°	350.7	347.7	344.7	346.2	337.1	340.1	693.9	2515.5	2823.9	2394.6	1483.0
75°	341.7	341.7	338.6	328.0	269.1	219.2	238.9	1017.4	1176.1	1599.4	1100.6
77.5°	270.6	297.8	329.6	309.9	246.4	164.8	139.1	294.8	371.9	981.1	798.2
80°	125.5	127.0	125.5	131.5	157.2	117.9	102.8	143.6	145.1	544.2	494.3
82.5°	90.7	92.2	87.7	78.6	69.5	63.5	84.7	105.8	113.4	249.4	184.4
85°	27.2	25.7	30.2	40.8	48.4	55.9	71.1	89.2	93.7	92.2	27.2
87.5°	12.1	12.1	15.1	21.2	28.7	42.3	62.0	81.6	83.1	95.2	7.6
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-SA1D-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
2.5°	37.8	36.3	34.8	33.3	31.7	30.2	28.7	28.7	30.2	30.2	30.2
5°	36.3	34.8	31.7	28.7	27.2	25.7	24.2	24.2	25.7	25.7	25.7
7.5°	36.3	33.3	30.2	27.2	24.2	22.7	21.2	21.2	21.2	22.7	22.7
10°	36.3	33.3	28.7	24.2	21.2	19.7	18.1	16.6	18.1	18.1	18.1
12.5°	34.8	31.7	27.2	22.7	18.1	15.1	13.6	13.6	13.6	13.6	13.6
15°	33.3	30.2	25.7	19.7	15.1	12.1	9.1	9.1	9.1	10.6	10.6
17.5°	31.7	28.7	22.7	15.1	10.6	7.6	6.0	6.0	6.0	7.6	7.6
20°	31.7	27.2	19.7	12.1	7.6	4.5	3.0	3.0	3.0	4.5	6.0
22.5°	31.7	27.2	18.1	9.1	4.5	3.0	1.5	1.5	1.5	1.5	1.5
25°	31.7	25.7	16.6	7.6	3.0	1.5	0.0	0.0	1.5	3.0	4.5
27.5°	31.7	24.2	13.6	4.5	3.0	1.5	0.0	1.5	3.0	3.0	3.0
30°	31.7	24.2	12.1	4.5	1.5	0.0	0.0	1.5	3.0	3.0	4.5
32.5°	33.3	22.7	10.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	34.8	21.2	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	37.8	21.2	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	42.3	22.7	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	52.9	24.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	74.1	30.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	108.8	45.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	158.7	62.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	195.0	62.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	193.5	39.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	148.2	27.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	125.5	19.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	151.2	15.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	269.1	13.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	432.4	13.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	483.8	13.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	377.9	12.1	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	207.1	10.6	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	104.3	7.6	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.8	6.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	15.1	6.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0
85°	7.6	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
87.5°	4.5	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0	1.5
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

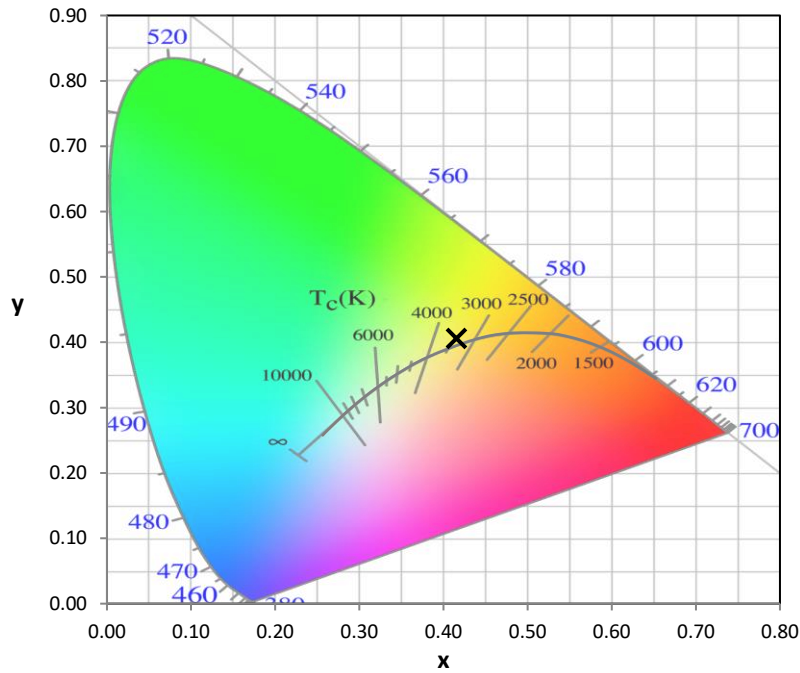
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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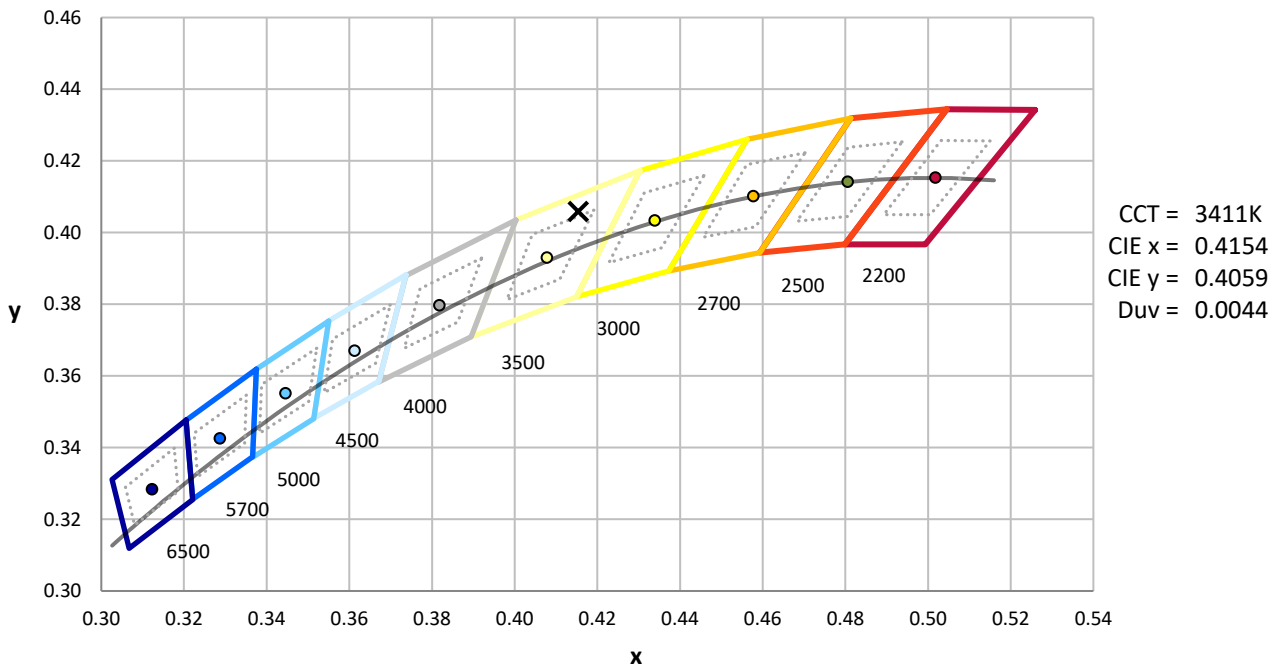
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



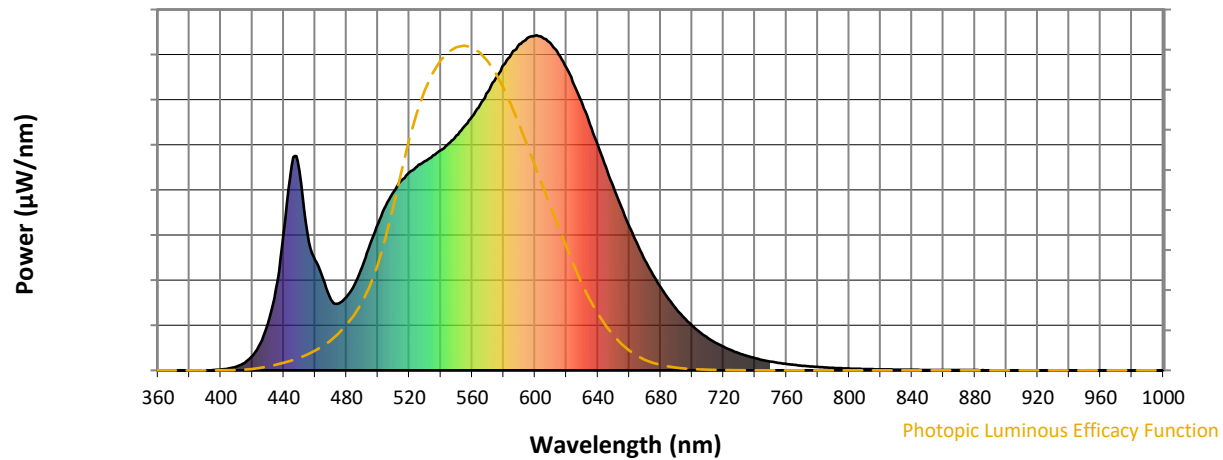
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

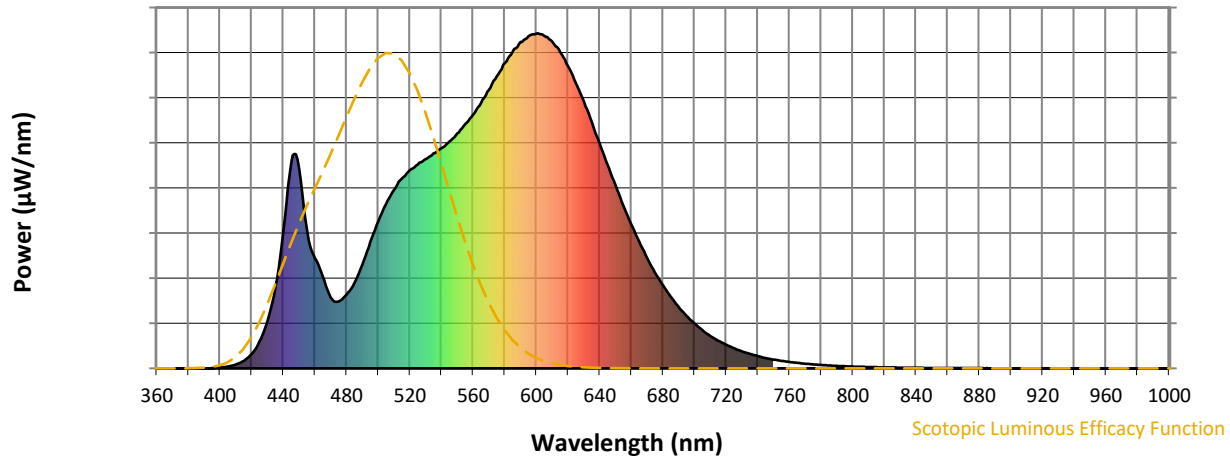


Photopic Lumens: NR

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



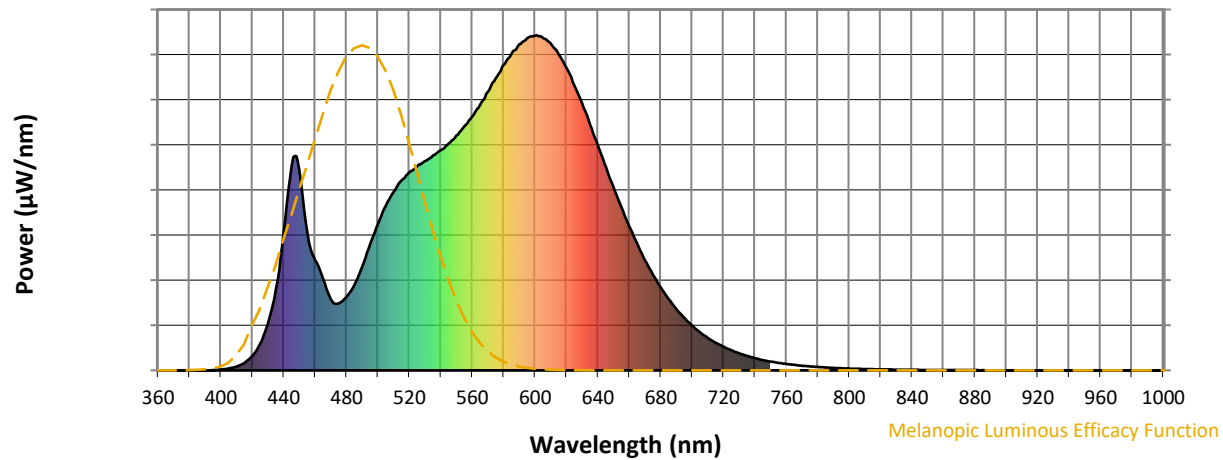
Scotopic Lumens: NR

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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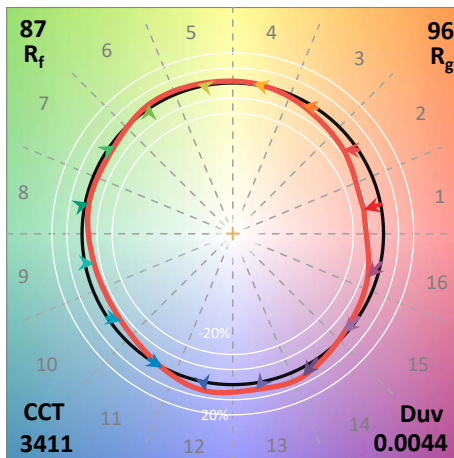
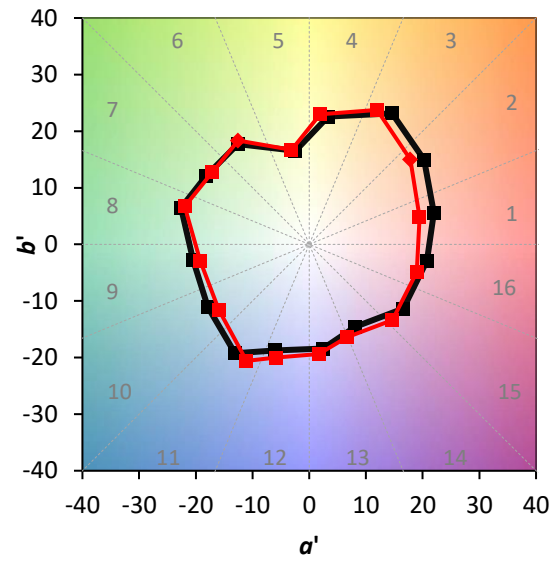
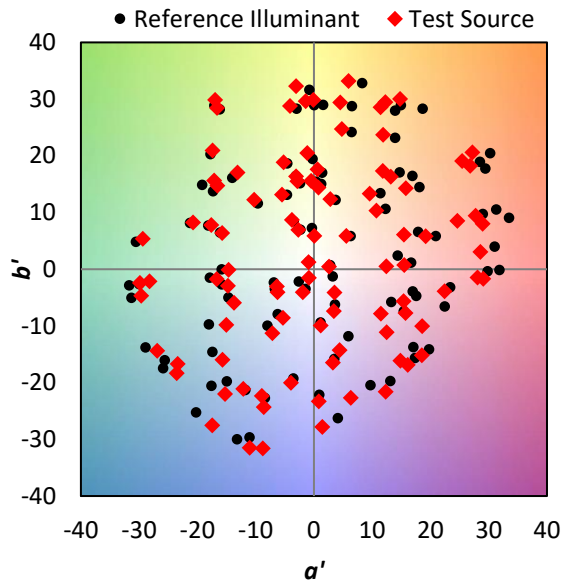
TM-30-18

Summary

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



Color Vector Graphics

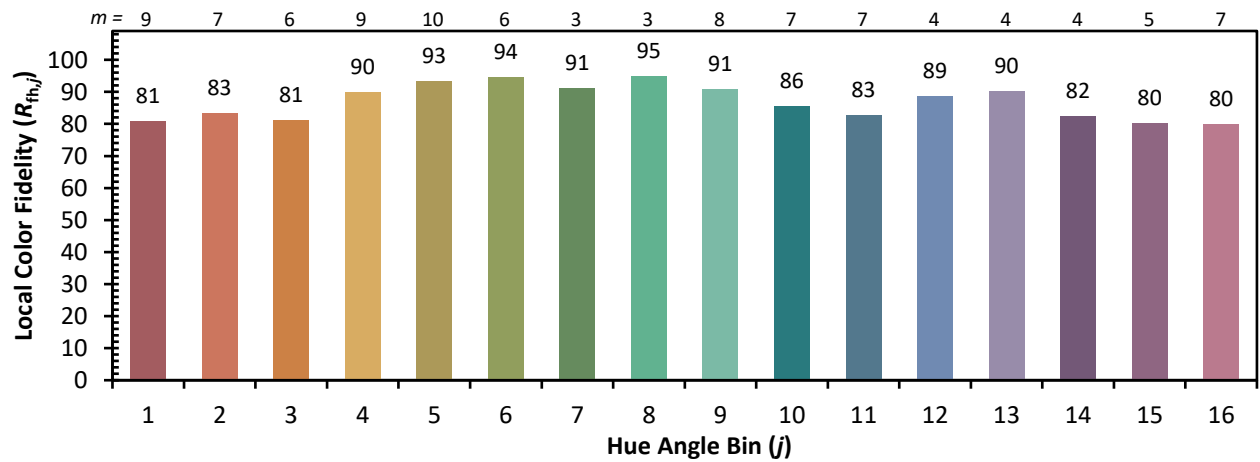
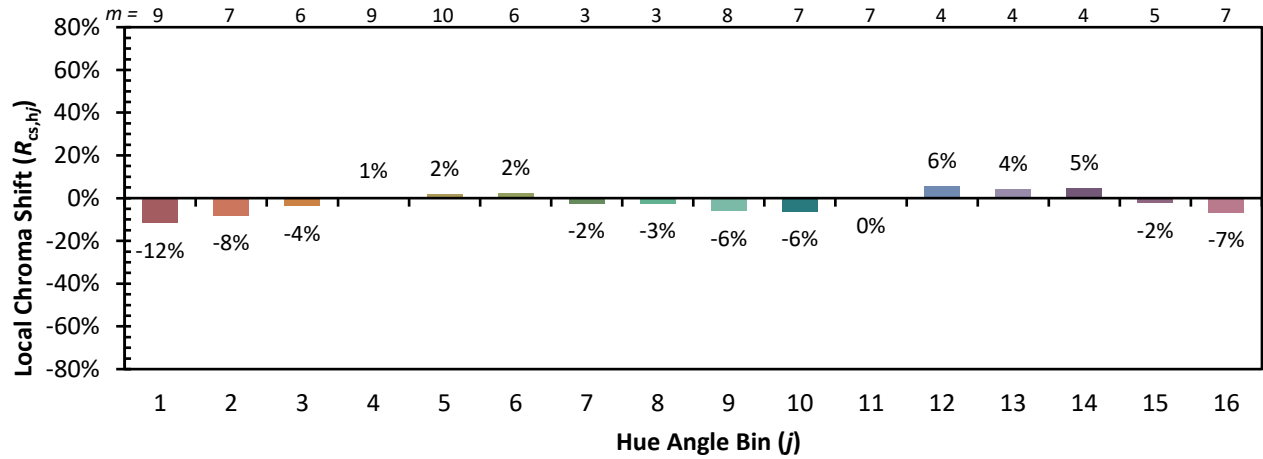


Individual Sample Fidelity Index ($R_{f,i}$)

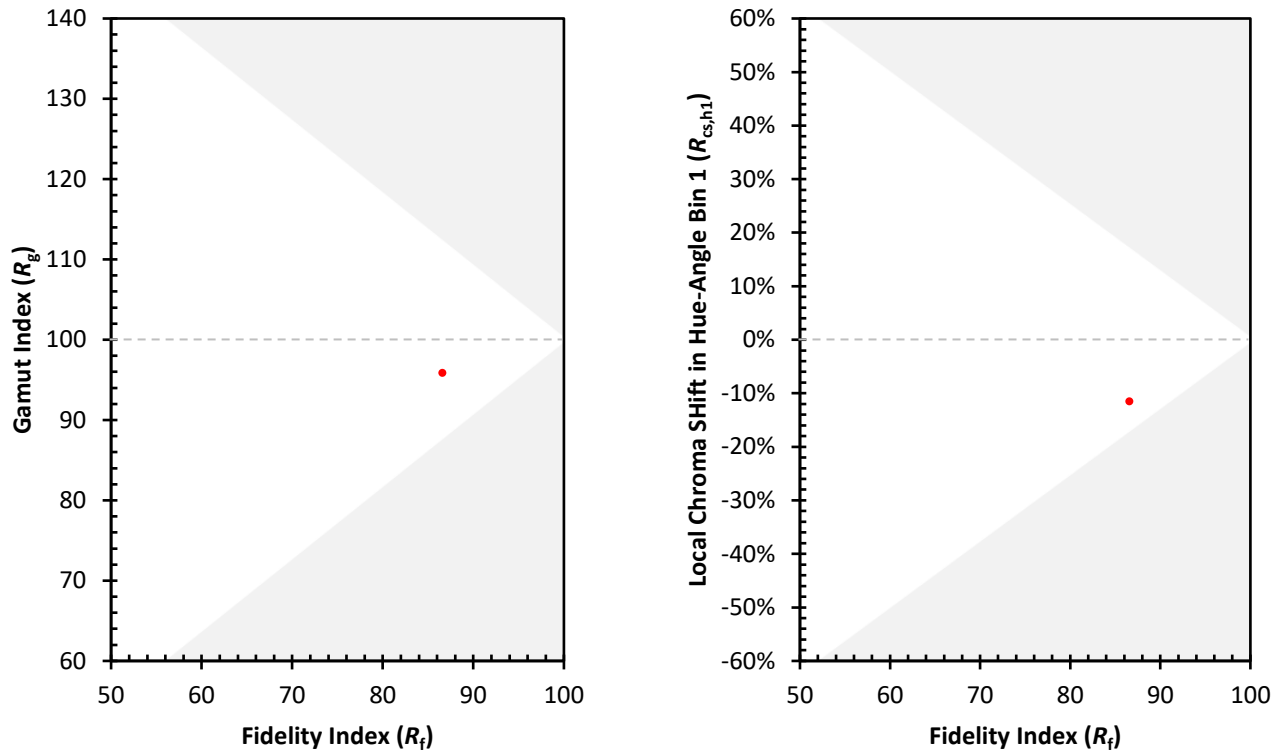
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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