

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: P1067606

Luminaire Tested: **NAV-SA1B-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067606
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 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: 4053.2 lumens
Efficiency: N/A
Efficacy: 106.9 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): 37.9
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

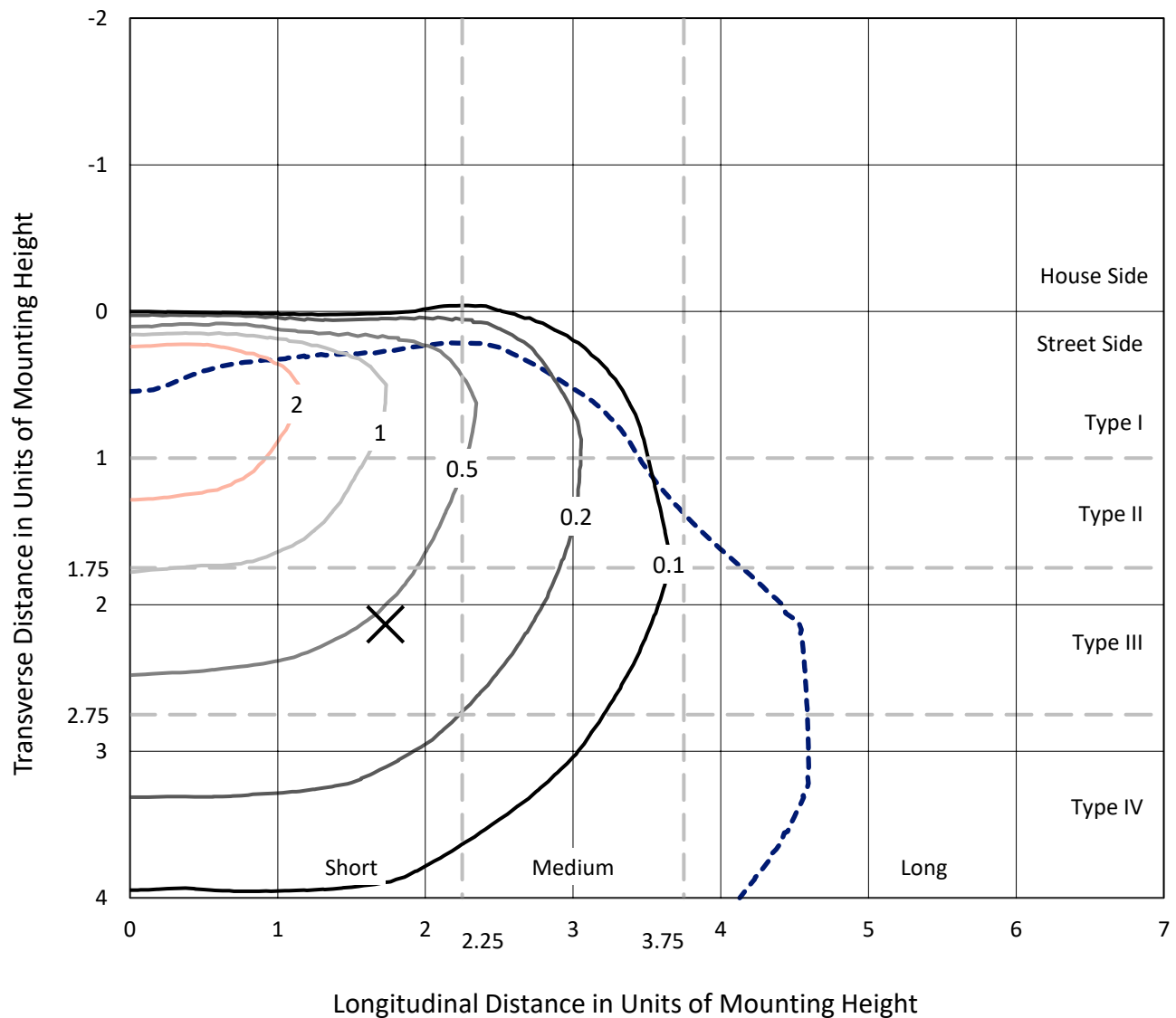


REPORT NUMBER: P1067606

CATALOG NUMBER: NAV-SA1B-835-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

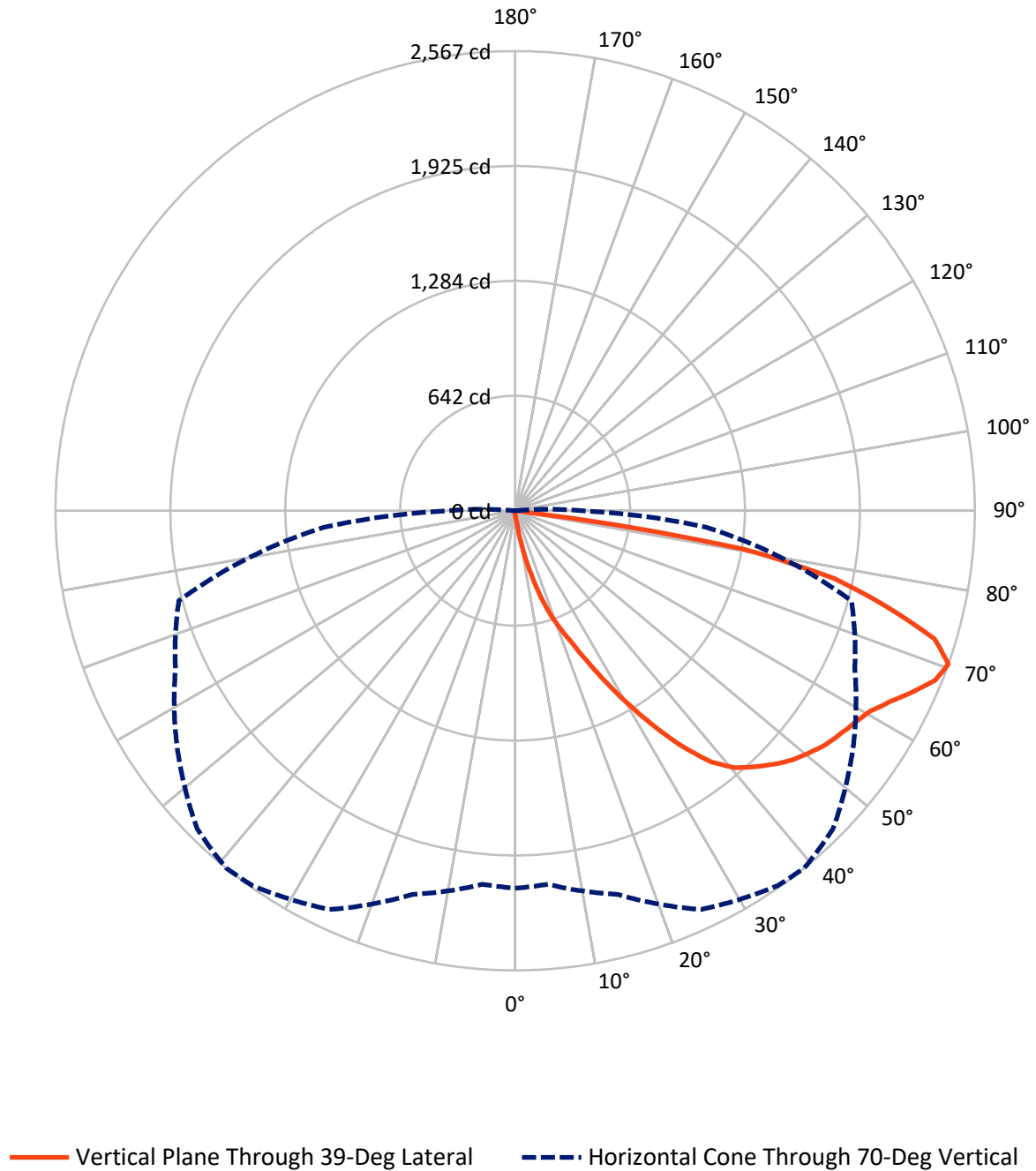


Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P1067606

CATALOG NUMBER: NAV-SA1B-835-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067606

CATALOG NUMBER: NAV-SA1B-835-U-T4BC

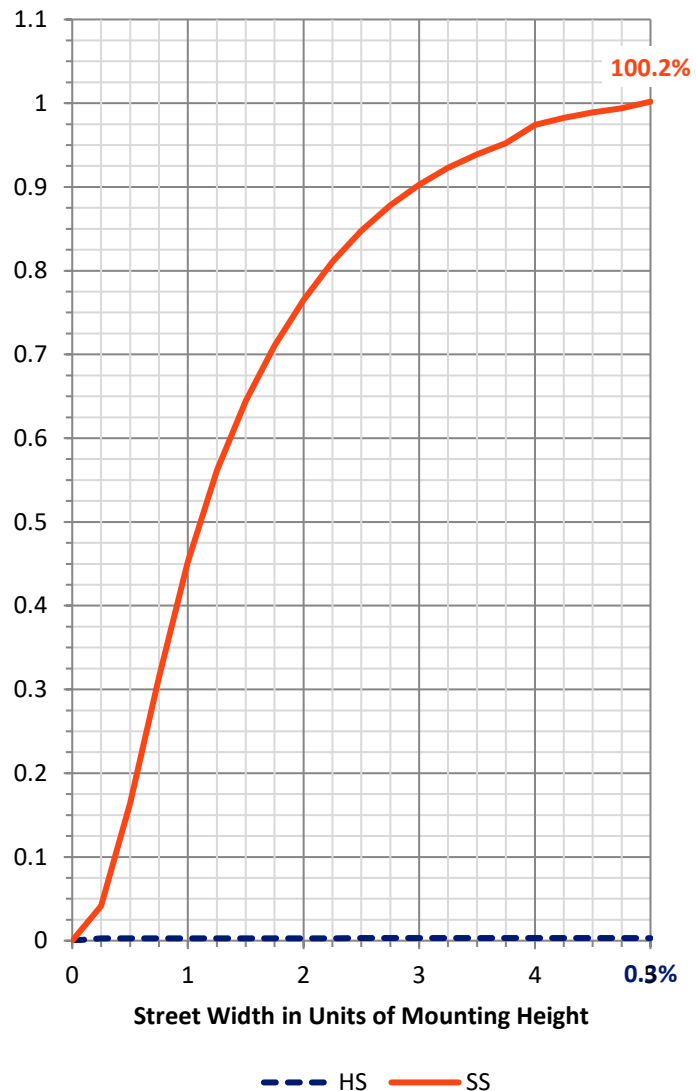
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.5	0.0	12.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	4040.7	0.0	4040.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	4053.2	0.0	4053.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	49.8	1.2
20°-30°	169.1	4.2
30°-40°	397.4	9.8
40°-50°	645.3	15.9
50°-60°	817.7	20.2
60°-70°	1038.7	25.6
70°-80°	844.0	20.8
80°-90°	86.9	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°	4053.2	100.0
0°-180°	4053.2	100.0



REPORT NUMBER: P1067606

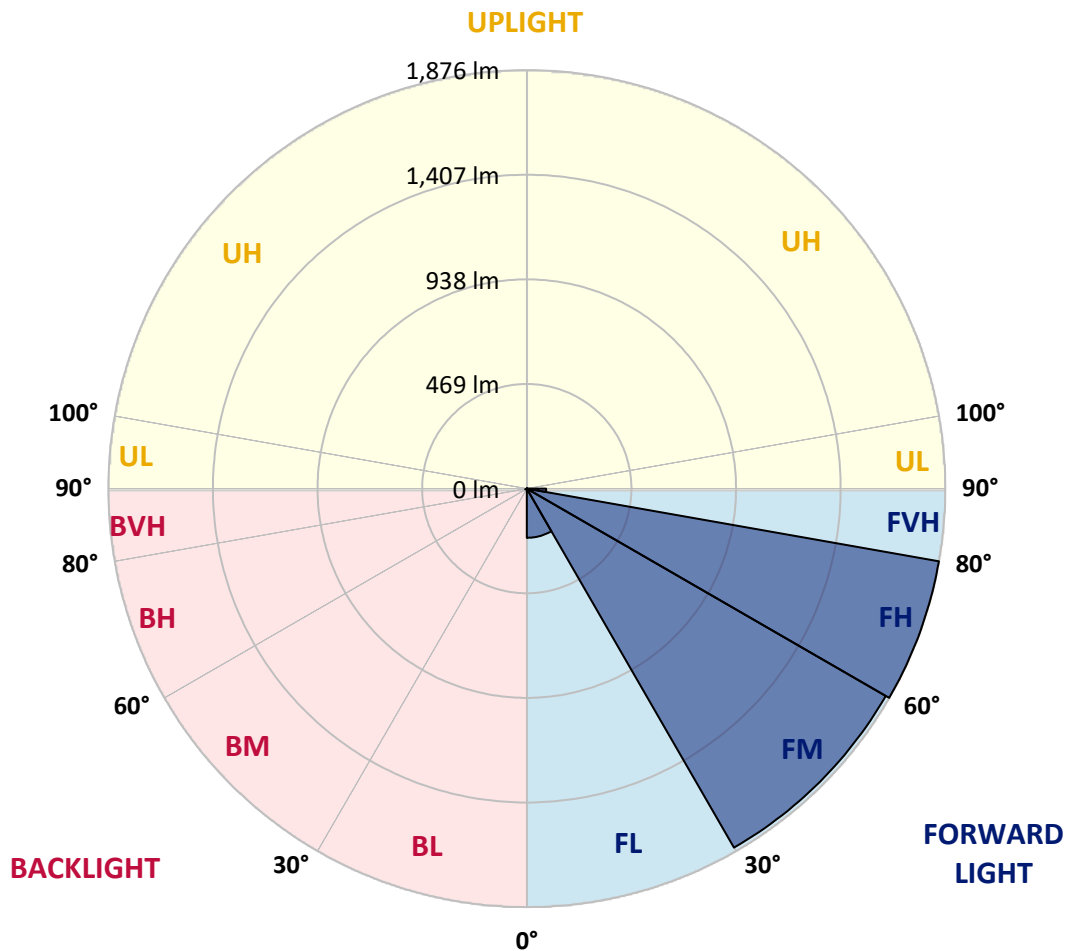
CATALOG NUMBER: NAV-SA1B-835-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	220.5	5.4			
FM	(30°-60°)	1858.0	45.8			
FH	(60°-80°)	1875.8	46.3			G2/5000
FVH	(80°-90°)	86.4	2.1			G1/100
BL	(0°-30°)	2.7	0.1	B0/110		
BM	(30°-60°)	2.4	0.1	B0/220		
BH	(60°-80°)	6.9	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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



REPORT NUMBER: P1067606

CATALOG NUMBER: NAV-SA1B-835-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
2.5°	28.6	28.6	28.6	27.5	27.5	26.4	26.4	25.3	24.2	24.2	23.1
5°	53.9	55.0	51.7	45.1	40.7	38.5	36.3	30.8	27.5	25.3	23.1
7.5°	147.5	143.1	136.5	114.4	88.0	74.8	63.8	45.1	33.0	26.4	23.1
10°	310.3	298.2	279.5	249.8	198.1	177.2	137.6	82.5	46.2	29.7	23.1
12.5°	455.6	457.8	434.7	406.1	343.3	308.1	254.2	155.2	72.6	35.2	23.1
15°	565.6	563.4	554.6	531.5	475.4	441.3	392.9	260.8	122.1	44.0	24.2
17.5°	652.6	643.8	640.5	630.5	594.2	575.5	522.7	384.1	193.7	59.4	25.3
20°	739.5	737.3	734.0	723.0	698.8	685.6	644.9	508.4	288.3	84.7	27.5
22.5°	866.0	853.9	856.1	831.9	812.1	789.0	756.0	640.5	397.3	121.0	30.8
25°	1014.6	1013.5	995.9	984.9	951.9	926.6	882.5	768.1	518.3	175.0	34.1
27.5°	1189.6	1177.5	1169.8	1151.0	1116.9	1088.3	1027.8	894.6	649.3	235.5	38.5
30°	1372.2	1372.2	1357.9	1329.3	1296.3	1261.1	1199.5	1027.8	779.1	312.5	44.0
32.5°	1585.7	1590.1	1554.9	1512.0	1469.1	1444.9	1364.5	1178.6	903.5	400.6	50.6
35°	1792.6	1787.1	1728.8	1681.5	1649.5	1623.1	1554.9	1343.6	1044.3	502.9	59.4
37.5°	1990.7	1976.4	1879.5	1812.4	1798.1	1780.5	1712.3	1508.7	1184.1	616.2	70.4
40°	2132.6	2110.6	2010.5	1918.0	1897.1	1887.2	1834.4	1658.3	1331.5	742.8	84.7
42.5°	2194.3	2168.9	2099.6	2024.8	1978.6	1955.5	1909.2	1780.5	1479.0	883.6	105.6
45°	2206.4	2186.6	2137.0	2119.4	2056.7	2021.5	1958.8	1867.4	1616.5	1023.4	134.3
47.5°	2162.3	2153.5	2123.8	2161.2	2129.3	2080.9	2005.0	1932.4	1738.7	1192.9	173.9
50°	2054.5	2047.9	2062.2	2160.1	2182.2	2127.1	2055.6	1983.0	1844.3	1367.8	230.0
52.5°	1909.2	1908.1	1975.3	2131.5	2205.3	2171.1	2105.1	2033.6	1928.0	1537.3	309.2
55°	1750.8	1769.5	1887.2	2105.1	2218.5	2203.1	2153.5	2078.7	2002.8	1694.7	436.9
57.5°	1737.6	1729.9	1843.2	2094.1	2226.2	2235.0	2202.0	2126.0	2066.6	1823.4	607.4
60°	1869.6	1852.0	1894.9	2117.2	2260.3	2275.7	2250.4	2162.3	2130.4	1924.7	831.9
62.5°	2022.6	2006.1	2028.1	2206.4	2327.4	2349.4	2317.5	2199.8	2182.2	1995.1	1072.9
65°	2144.7	2131.5	2173.3	2339.5	2420.9	2439.7	2417.6	2269.1	2205.3	2052.3	1268.8
67.5°	2164.5	2148.0	2235.0	2428.6	2515.6	2528.8	2511.2	2336.2	2197.6	2056.7	1313.9
70°	2108.4	2094.1	2218.5	2457.3	2556.3	2567.3	2511.2	2304.3	2093.0	1944.5	1074.0
72.5°	1935.7	1946.7	2107.3	2387.9	2500.2	2449.6	2330.7	2143.6	1957.7	1648.4	753.8
75°	1667.2	1679.3	1892.7	2197.6	2206.4	2144.7	2080.9	1972.0	1751.9	1086.1	522.7
77.5°	1185.2	1142.2	1461.4	1814.6	1782.7	1822.3	1827.8	1640.7	1466.9	565.6	349.9
80°	116.6	99.0	183.8	520.5	1149.9	1285.3	1338.1	1264.4	1081.7	253.1	183.8
82.5°	25.3	25.3	27.5	29.7	46.2	69.3	318.0	779.1	698.8	128.8	59.4
85°	14.3	14.3	17.6	20.9	27.5	30.8	36.3	48.4	188.2	46.2	11.0
87.5°	11.0	12.1	14.3	17.6	23.1	25.3	30.8	38.5	47.3	42.9	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067606

CATALOG NUMBER: NAV-SA1B-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
2.5°	23.1	22.0	20.9	19.8	18.7	18.7	17.6	17.6	17.6	17.6	17.6
5°	22.0	20.9	19.8	17.6	16.5	15.4	14.3	14.3	14.3	14.3	14.3
7.5°	22.0	20.9	18.7	16.5	14.3	13.2	12.1	11.0	11.0	12.1	12.1
10°	22.0	19.8	16.5	14.3	12.1	11.0	9.9	8.8	8.8	8.8	8.8
12.5°	20.9	18.7	15.4	13.2	11.0	8.8	6.6	5.5	5.5	5.5	5.5
15°	19.8	17.6	14.3	11.0	7.7	5.5	4.4	3.3	3.3	3.3	3.3
17.5°	19.8	16.5	13.2	9.9	5.5	3.3	2.2	1.1	1.1	1.1	2.2
20°	19.8	16.5	12.1	7.7	3.3	2.2	2.2	1.1	0.0	1.1	1.1
22.5°	19.8	15.4	9.9	5.5	3.3	2.2	1.1	0.0	0.0	0.0	0.0
25°	20.9	15.4	8.8	4.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
27.5°	20.9	14.3	7.7	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
30°	22.0	14.3	6.6	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	22.0	13.2	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	22.0	12.1	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	22.0	11.0	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	23.1	9.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	24.2	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	25.3	7.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	28.6	7.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	33.0	7.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	39.6	7.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	51.7	6.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	74.8	6.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	125.4	6.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	220.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	371.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	485.3	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	368.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	176.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	78.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	34.1	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	13.2	2.2	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	5.5	2.2	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	3.3	2.2	2.2	2.2	1.1	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	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

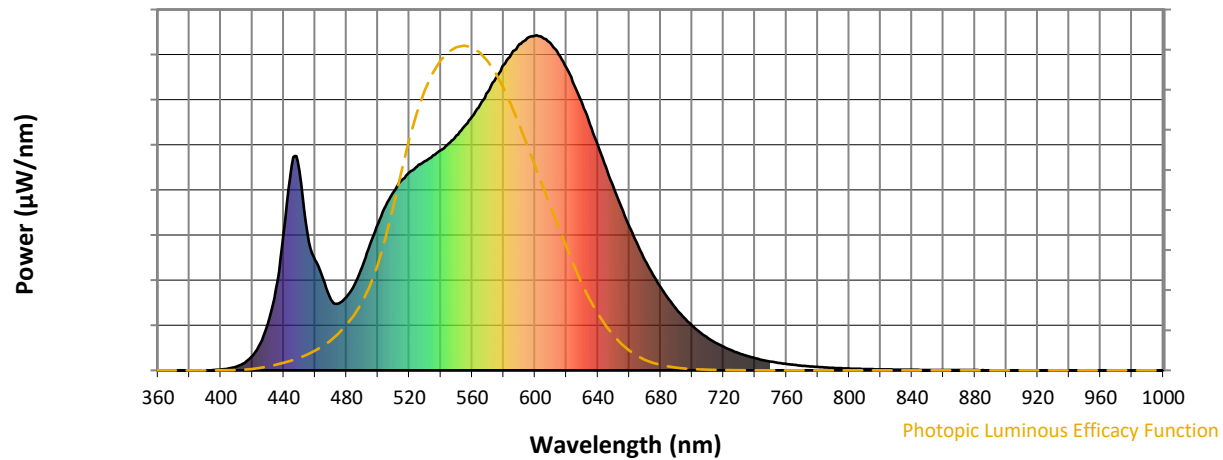
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

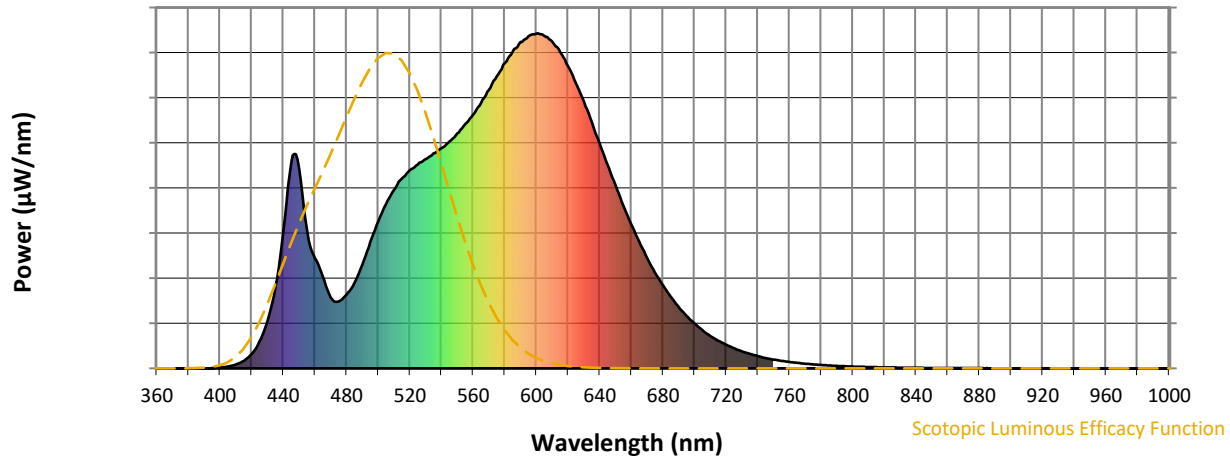


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength



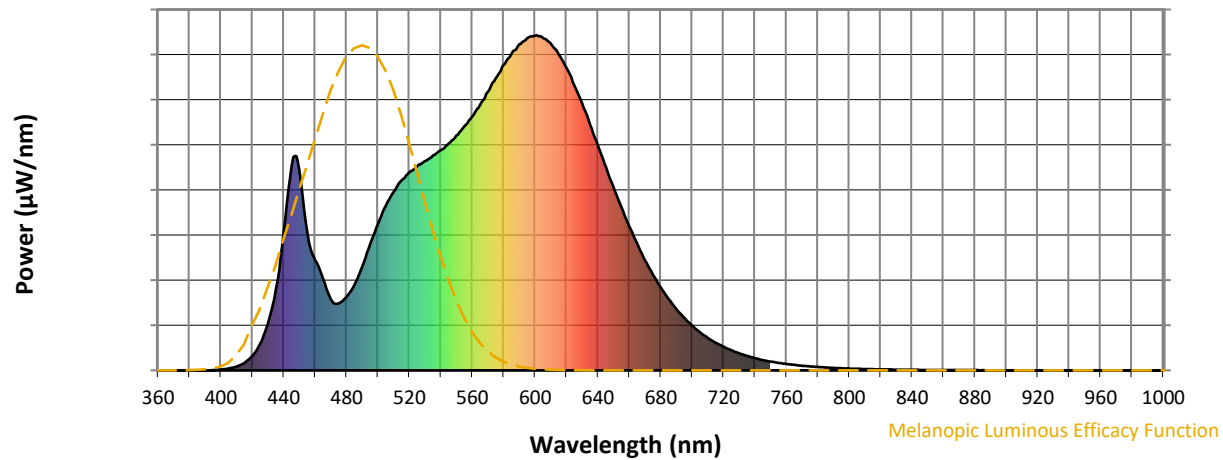
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-10

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			

REPORT NUMBER: SP1-2407-184-10

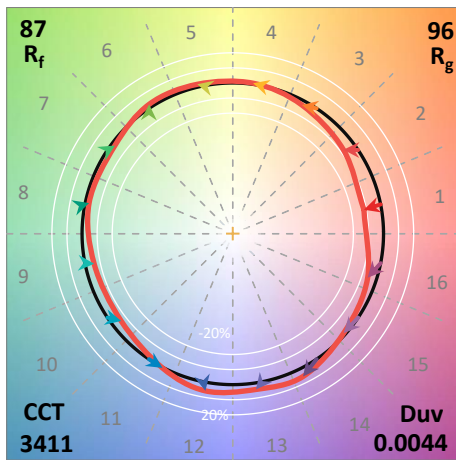
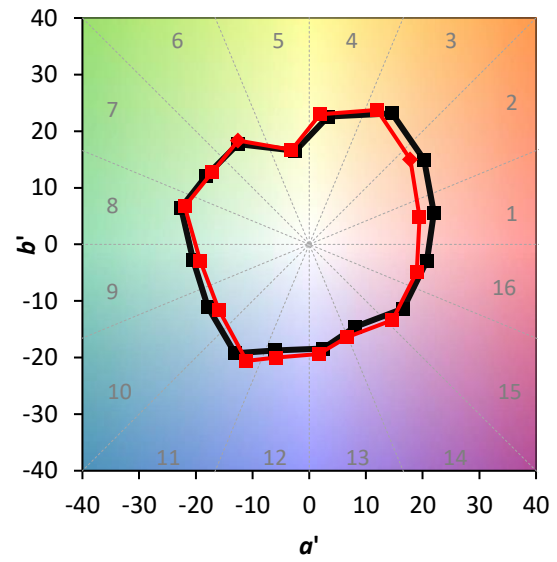
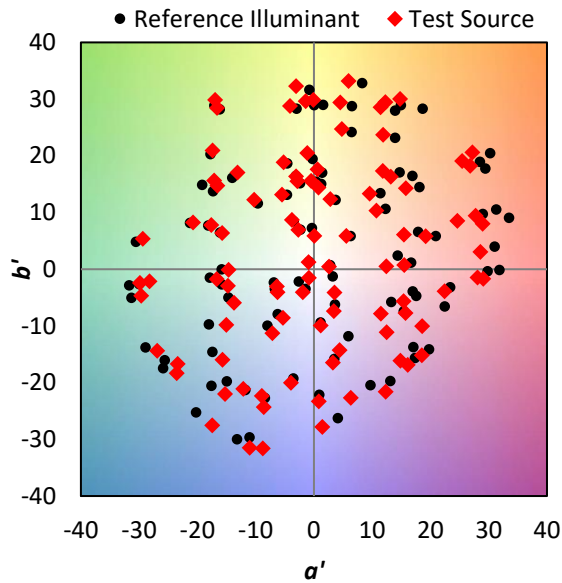
TM-30-18

Summary

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



Color Vector Graphics

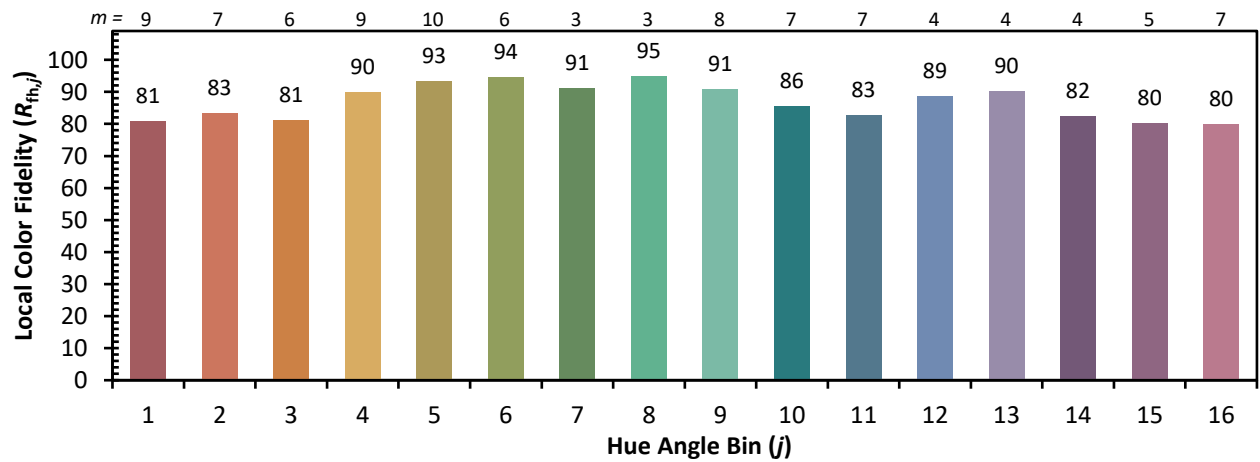
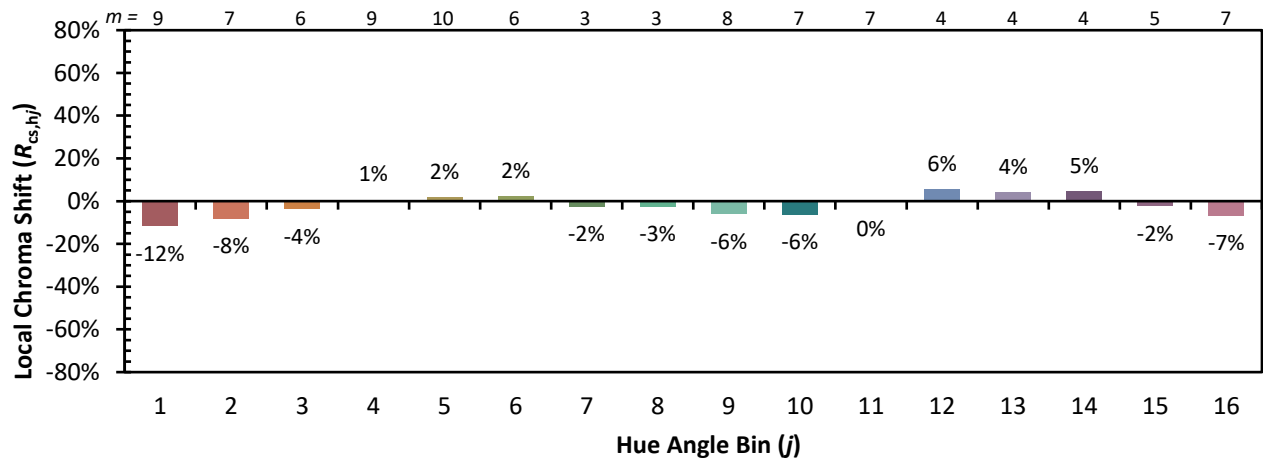


Individual Sample Fidelity Index ($R_{f,i}$)

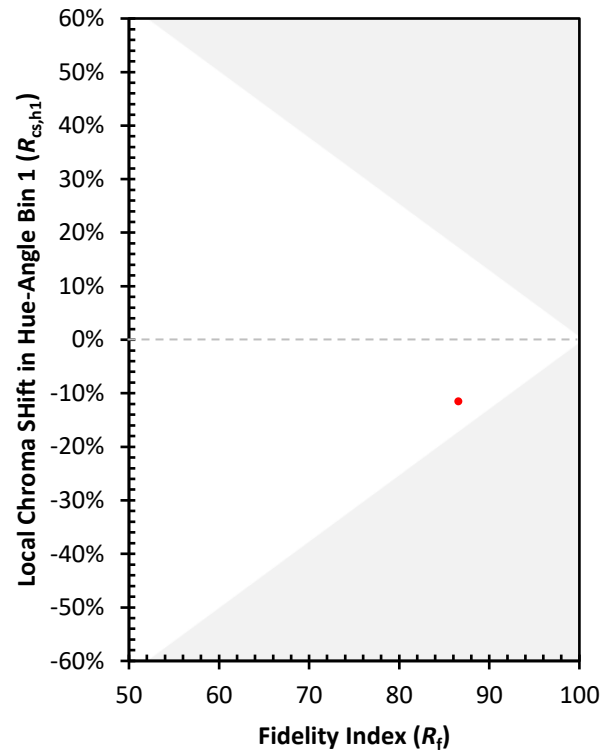
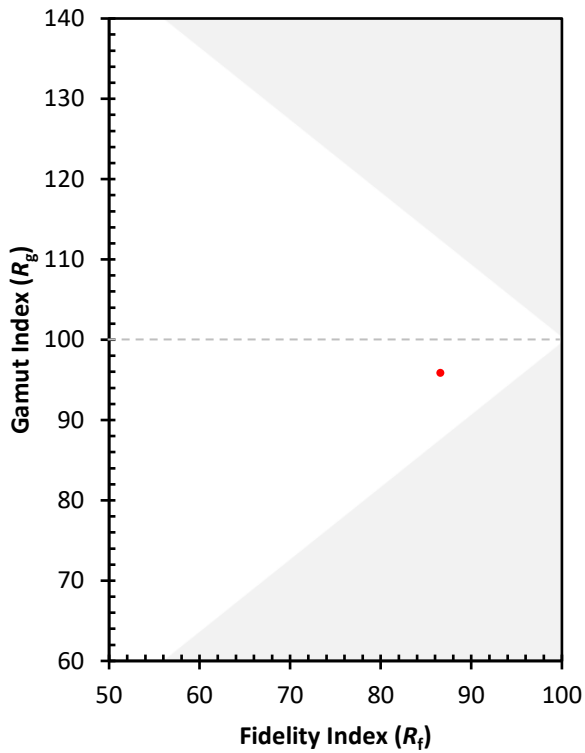
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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