

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: P1067144

Luminaire Tested: **NAV-SA5D-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067144
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5D-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 5xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27872 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 269.7
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

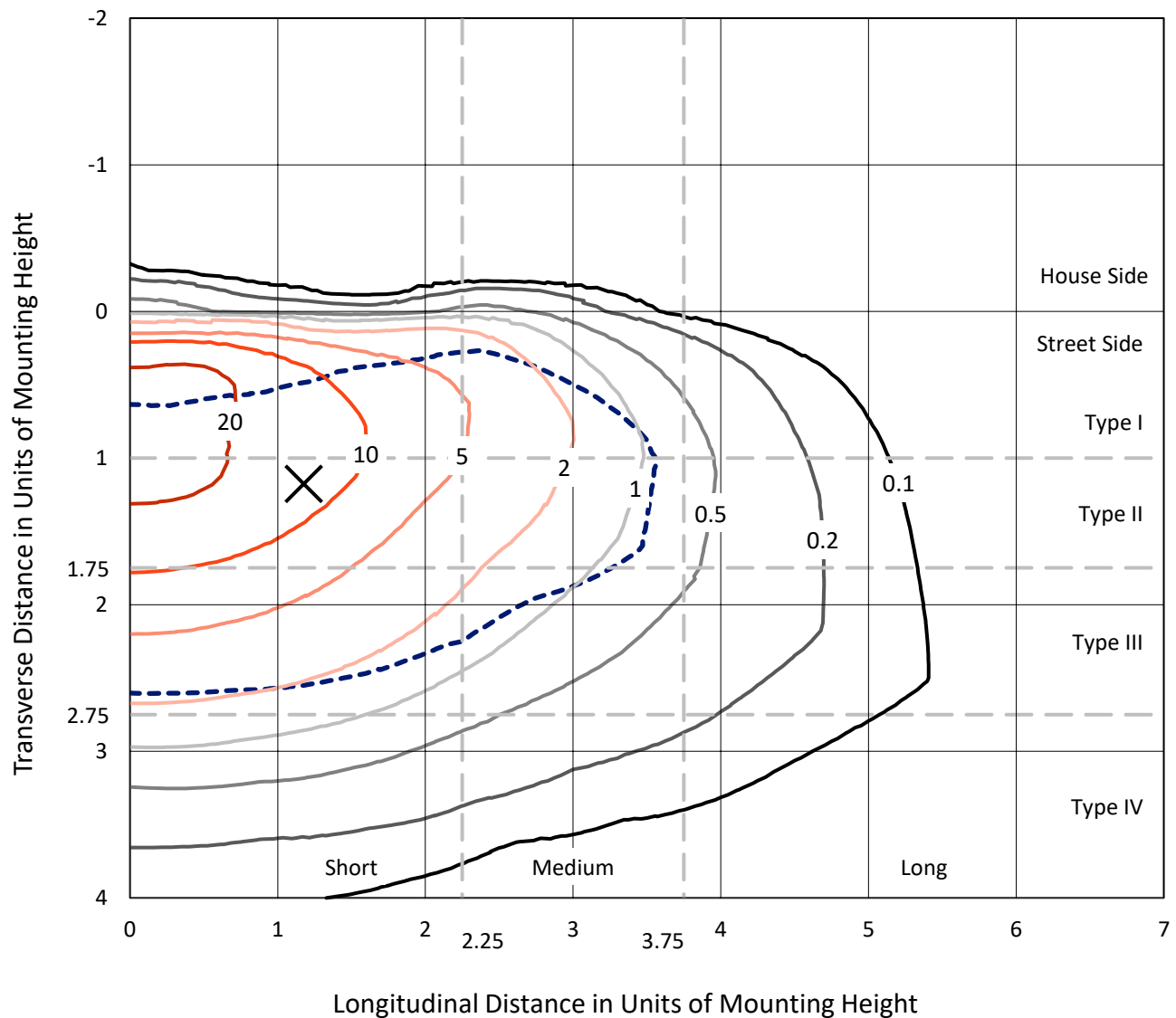


REPORT NUMBER: P1067144

CATALOG NUMBER: NAV-SA5D-835-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

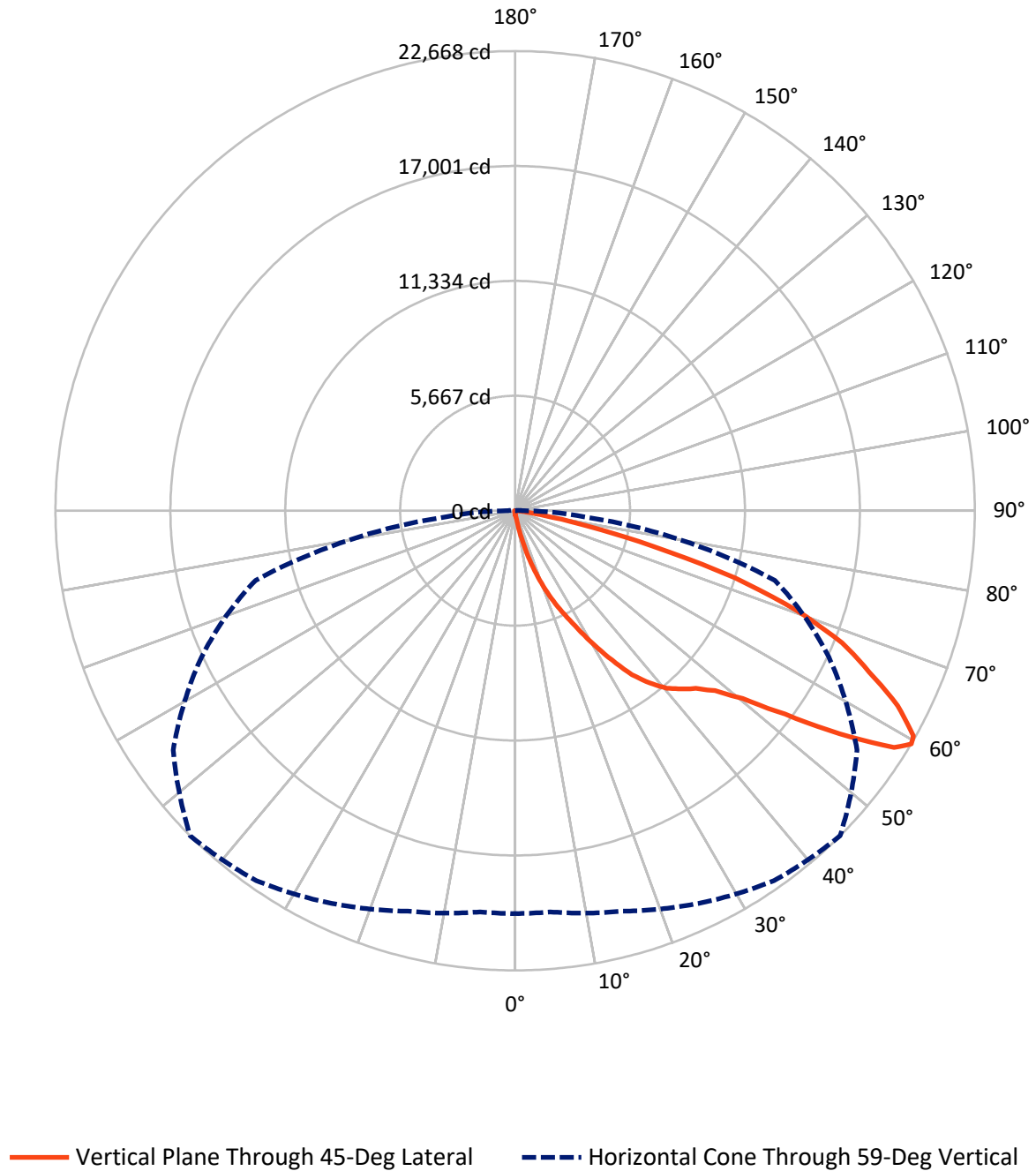


Based on 15 foot mounting height. Maximum calculated value = 30.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1067144

CATALOG NUMBER: NAV-SA5D-835-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067144

CATALOG NUMBER: NAV-SA5D-835-U-T3BC

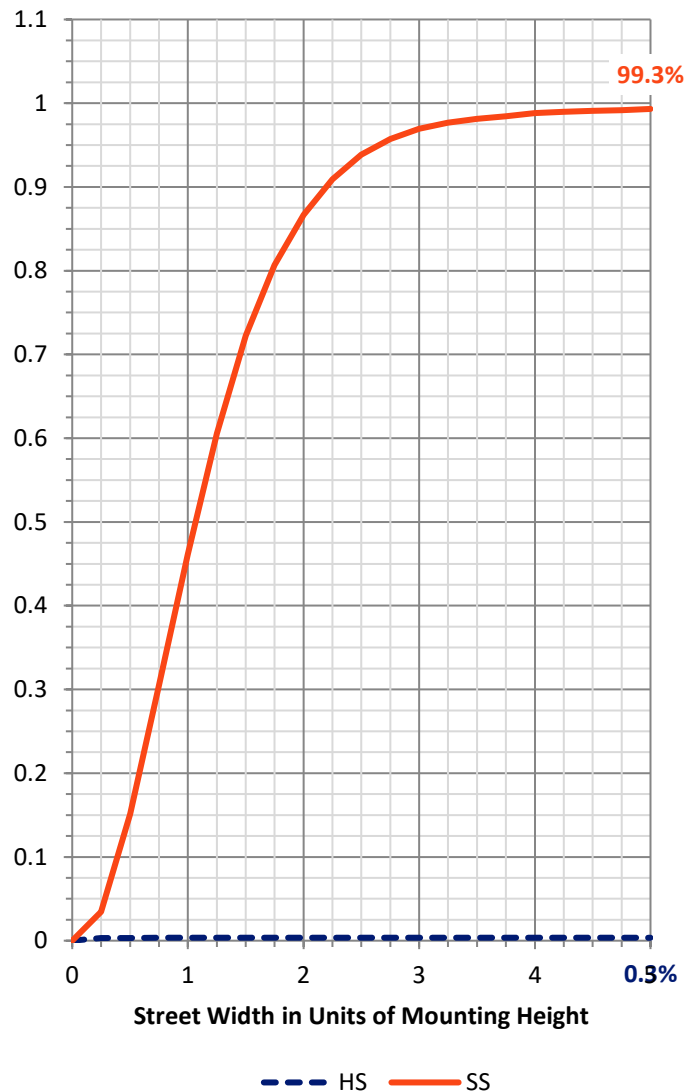
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	99.0	0.0	99.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	27773.1	0.0	27773.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	27872.0	0.0	27872.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	0.1
10°-20°	308.1	1.1
20°-30°	1106.9	4.0
30°-40°	2572.2	9.2
40°-50°	4384.1	15.7
50°-60°	7223.9	25.9
60°-70°	8352.4	30.0
70°-80°	3588.5	12.9
80°-90°	310.1	1.1
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°	27872.0	100.0
0°-180°	27872.0	100.0



REPORT NUMBER: P1067144

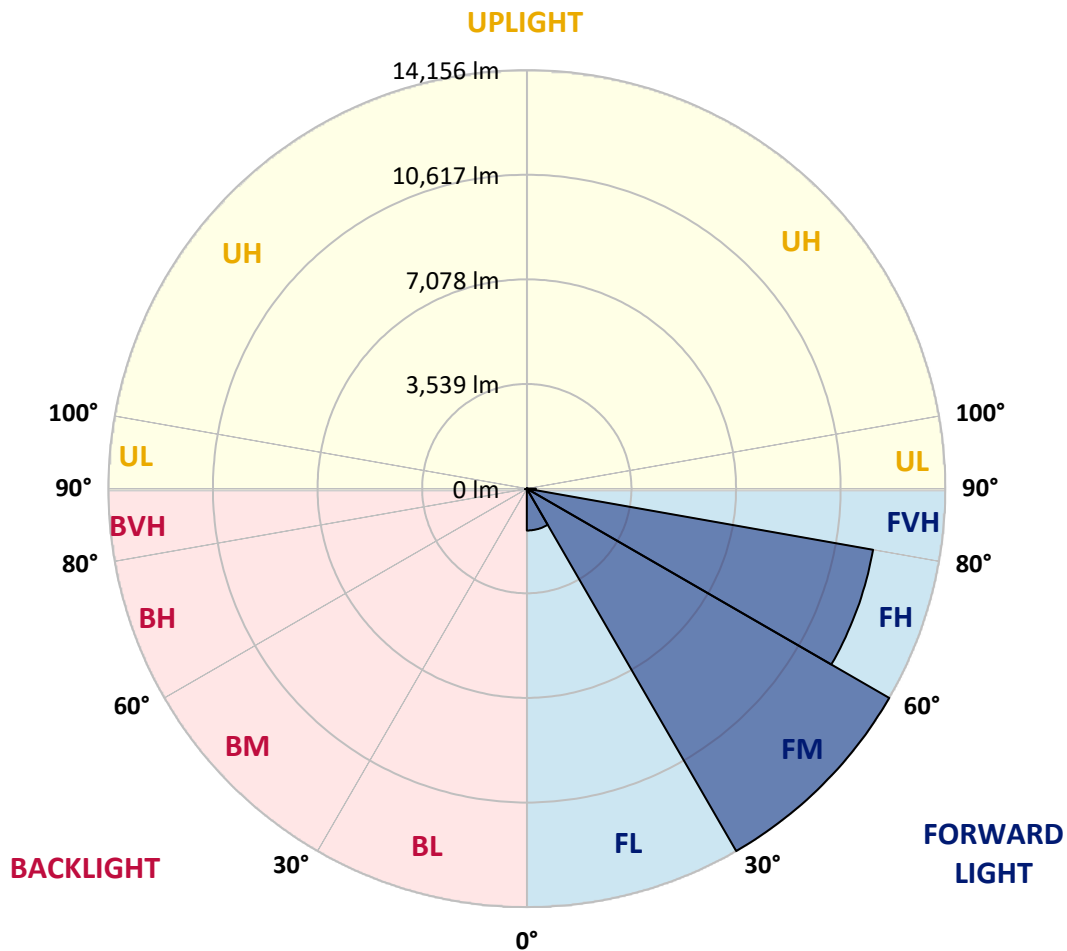
CATALOG NUMBER: NAV-SA5D-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1416.5	5.1			
FM	(30°-60°)	14156.2	50.8			
FH	(60°-80°)	11894.3	42.7			G4/12000
FVH	(80°-90°)	306.1	1.1			G3/500
BL	(0°-30°)	24.4	0.1	B0/110		
BM	(30°-60°)	23.9	0.1	B0/220		
BH	(60°-80°)	46.6	0.2	B0/110		G0/110
BVH	(80°-90°)	4.0	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-G4

Type III Short



REPORT NUMBER: P1067144

CATALOG NUMBER: NAV-SA5D-835-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
2.5°	228.6	228.6	223.0	215.5	213.6	208.0	208.0	202.4	194.9	189.3	181.8
5°	331.7	329.8	314.9	296.1	271.7	256.8	256.8	236.1	217.4	200.5	185.5
7.5°	725.3	708.4	654.1	564.1	446.0	367.3	361.7	294.2	249.3	215.5	187.4
10°	1664.2	1606.1	1529.3	1313.8	970.8	678.4	665.3	429.2	298.0	232.4	191.2
12.5°	2726.8	2773.7	2620.0	2280.8	1879.7	1398.1	1304.4	723.4	393.6	254.9	194.9
15°	3693.9	3682.6	3596.4	3319.1	2856.2	2215.2	2157.1	1257.5	564.1	290.5	198.7
17.5°	4417.3	4404.2	4321.7	4143.7	3787.6	3146.7	3096.0	2005.3	884.6	341.1	202.4
20°	5180.1	5163.2	5047.0	4904.6	4593.5	4048.1	3988.1	2841.2	1385.0	423.6	202.4
22.5°	6094.6	6062.8	5939.1	5697.3	5369.4	4895.2	4840.9	3695.8	2005.3	558.5	211.8
25°	7200.4	7146.0	6975.5	6758.1	6362.6	5732.9	5674.8	4647.8	2753.1	762.8	221.1
27.5°	8461.7	8471.0	8240.5	7873.2	7342.8	6700.0	6591.3	5500.5	3527.1	1055.1	232.4
30°	9959.1	9865.4	9541.2	9113.9	8598.5	7779.5	7674.5	6349.5	4396.7	1486.2	251.1
32.5°	11360.9	11259.7	10823.1	10285.2	9732.3	8868.3	8782.1	7303.5	5187.6	1995.9	284.9
35°	12564.1	12492.9	11881.9	11226.0	10735.0	9962.8	9936.6	8368.0	6117.1	2545.1	322.3
37.5°	13623.0	13493.7	12708.4	12028.1	11529.6	10838.0	10781.8	9342.5	7013.0	3182.3	378.6
40°	14526.3	14455.1	13497.4	12603.5	12198.7	11580.2	11509.0	10197.1	7938.8	3922.5	447.9
42.5°	15493.4	15399.7	14470.1	13467.4	12721.5	12060.0	12013.1	10901.8	8763.4	4735.9	551.0
45°	16586.0	16411.7	15596.4	14696.9	13563.0	12556.6	12504.1	11529.6	9608.6	5609.2	676.6
47.5°	17753.6	17601.8	16942.1	16310.5	15006.1	13375.6	13263.2	12063.7	10448.2	6617.5	835.9
50°	18941.7	18945.5	18450.7	18147.1	16769.6	14706.2	14546.9	12849.0	11330.9	7697.0	1072.0
52.5°	20324.8	20360.5	20353.0	20128.1	19059.8	16882.1	16668.4	14040.9	12356.1	8956.4	1398.1
55°	20904.0	20967.7	21381.9	21880.4	21589.9	19640.8	19412.2	16096.8	13714.8	10360.1	1881.6
57.5°	20429.8	20501.0	21072.6	21946.0	22613.2	22056.5	22030.3	18773.1	15504.6	12061.8	2672.5
59°	19865.7	19856.3	20442.9	21368.7	22268.3	22630.0	22667.5	20583.5	17063.9	13255.7	3354.7
60°	19490.9	19498.4	19888.2	20838.4	21794.2	22422.0	22568.2	21649.9	17974.7	14114.0	3939.4
62.5°	18044.0	18130.3	18439.5	19322.2	20229.3	20930.2	21179.4	22600.0	20581.6	16141.8	5972.8
65°	16471.7	16477.3	16917.7	17673.0	18542.6	19035.5	19192.9	21121.4	22322.7	18207.1	8639.7
67.5°	13666.1	13780.4	14280.8	15504.6	16653.4	17277.5	17397.5	18385.1	21601.1	19552.7	9975.9
70°	9563.6	9713.6	10427.6	12015.0	13726.1	14751.2	14743.7	15283.5	19011.1	18953.0	8457.9
72.5°	4775.3	5033.9	5616.7	7316.6	9389.3	10999.2	11338.4	12294.2	15272.2	15742.6	6310.2
75°	2110.3	2125.3	2457.0	3313.4	4666.6	6711.2	7014.8	9758.6	11717.0	10941.1	4557.9
77.5°	1227.5	1238.8	1298.8	1488.1	1891.0	3289.1	3630.2	6400.1	8279.9	6358.9	2972.4
80°	446.0	457.3	455.4	564.1	828.4	1295.0	1443.1	3101.7	5523.0	3349.1	1557.4
82.5°	273.6	273.6	264.3	266.1	301.7	496.6	543.5	1321.3	2689.4	1649.2	446.0
85°	134.9	142.4	151.8	170.5	202.4	245.5	260.5	378.6	905.2	399.2	106.8
87.5°	80.6	82.5	90.0	108.7	134.9	176.2	187.4	256.8	324.2	268.0	26.2
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: P1067144

CATALOG NUMBER: NAV-SA5D-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
2.5°	178.0	176.2	166.8	159.3	151.8	144.3	138.7	133.1	133.1	134.9	133.1
5°	178.0	170.5	155.6	142.4	131.2	121.8	112.4	105.0	103.1	103.1	105.0
7.5°	176.2	166.8	146.2	129.3	114.3	101.2	91.8	82.5	80.6	82.5	80.6
10°	174.3	163.0	138.7	118.1	97.5	84.3	71.2	61.8	61.8	61.8	63.7
12.5°	174.3	157.4	131.2	106.8	84.3	69.3	56.2	46.9	45.0	45.0	45.0
15°	172.4	153.7	123.7	93.7	71.2	52.5	41.2	31.9	31.9	31.9	31.9
17.5°	168.7	148.1	114.3	82.5	56.2	39.4	28.1	18.7	18.7	22.5	22.5
20°	164.9	142.4	103.1	67.5	46.9	30.0	18.7	11.2	11.2	16.9	18.7
22.5°	166.8	142.4	95.6	60.0	37.5	22.5	15.0	9.4	7.5	13.1	16.9
25°	168.7	138.7	86.2	52.5	28.1	16.9	11.2	3.7	1.9	3.7	5.6
27.5°	168.7	134.9	75.0	41.2	20.6	13.1	5.6	0.0	0.0	0.0	0.0
30°	166.8	129.3	65.6	33.7	15.0	7.5	1.9	0.0	0.0	0.0	0.0
32.5°	164.9	123.7	60.0	26.2	13.1	3.7	0.0	0.0	0.0	0.0	0.0
35°	166.8	116.2	52.5	20.6	7.5	0.0	0.0	0.0	0.0	0.0	3.7
37.5°	172.4	108.7	45.0	16.9	5.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	179.9	103.1	37.5	13.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	194.9	103.1	33.7	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	213.6	103.1	28.1	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	238.0	105.0	24.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	268.0	108.7	22.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	290.5	105.0	20.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	329.8	101.2	18.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	382.3	95.6	18.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	434.8	88.1	18.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	494.8	84.3	16.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	817.1	75.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1578.0	71.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2550.7	71.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2681.9	71.2	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1784.2	58.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	955.8	52.5	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	515.4	48.7	7.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	226.8	35.6	9.4	5.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	90.0	24.4	11.2	9.4	7.5	3.7	0.0	0.0	0.0	0.0	0.0
85°	43.1	18.7	15.0	13.1	9.4	5.6	0.0	0.0	0.0	0.0	0.0
87.5°	20.6	18.7	16.9	15.0	13.1	9.4	1.9	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

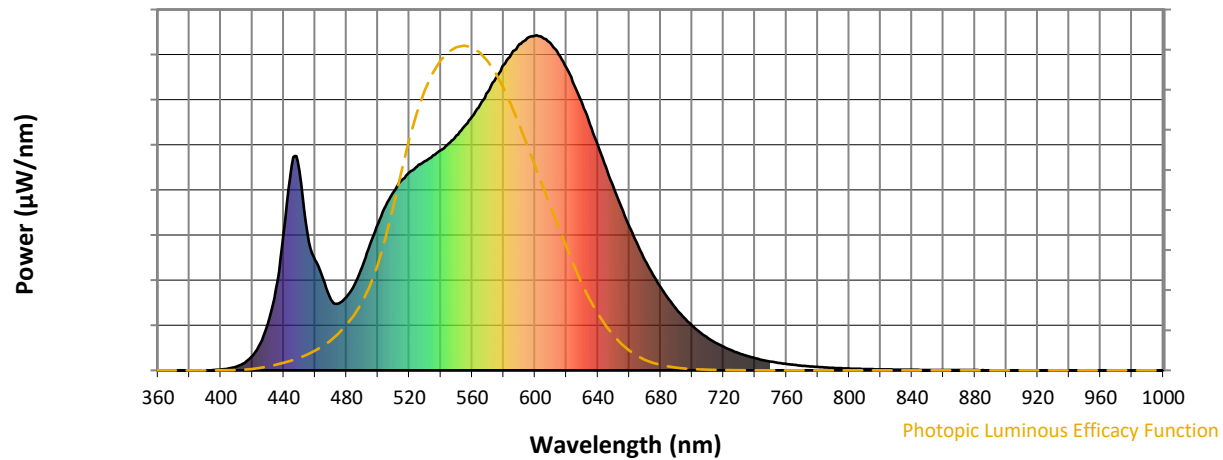
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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

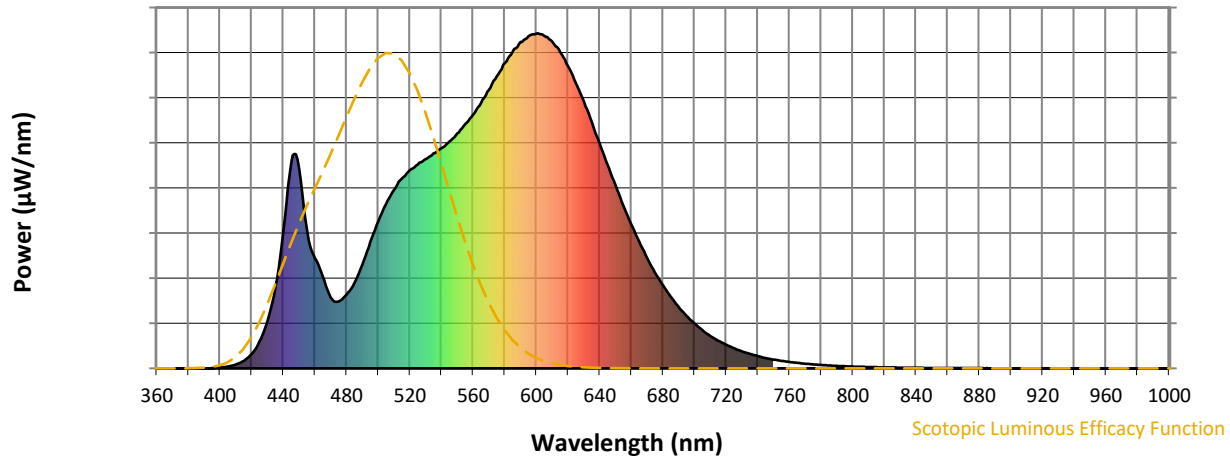


Photopic Lumens: NR

λ (nm)	Power 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			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength



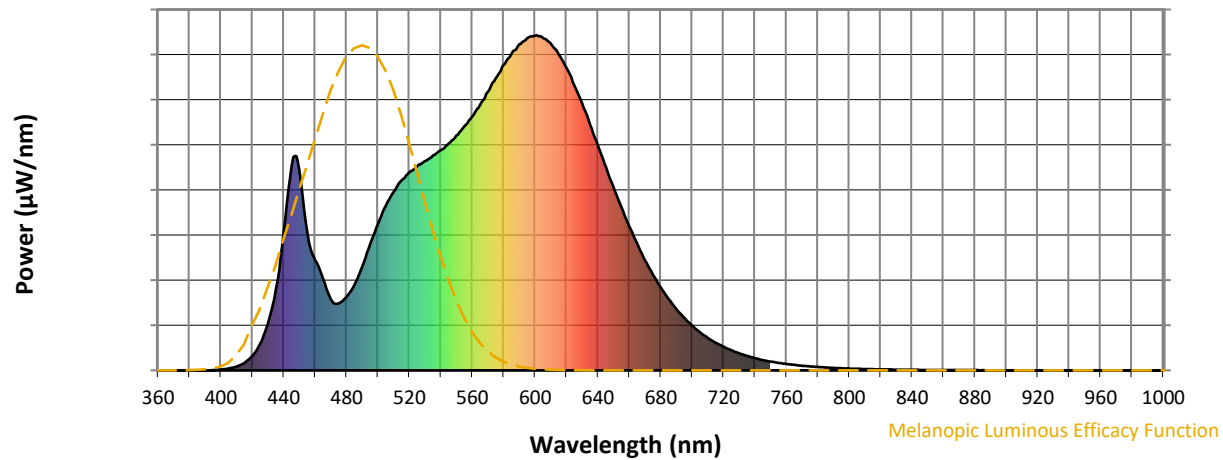
Scotopic Lumens: NR

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 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

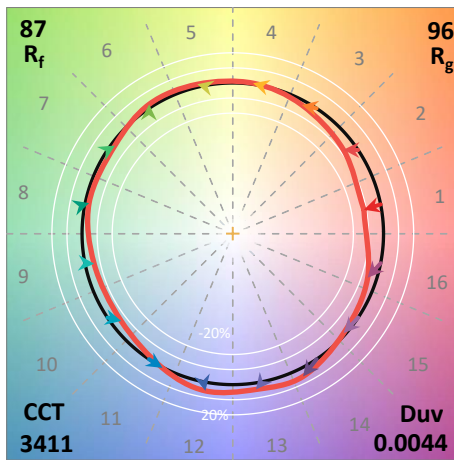
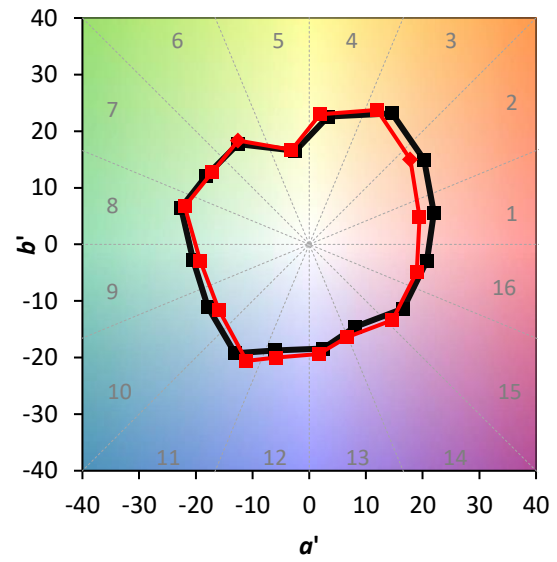
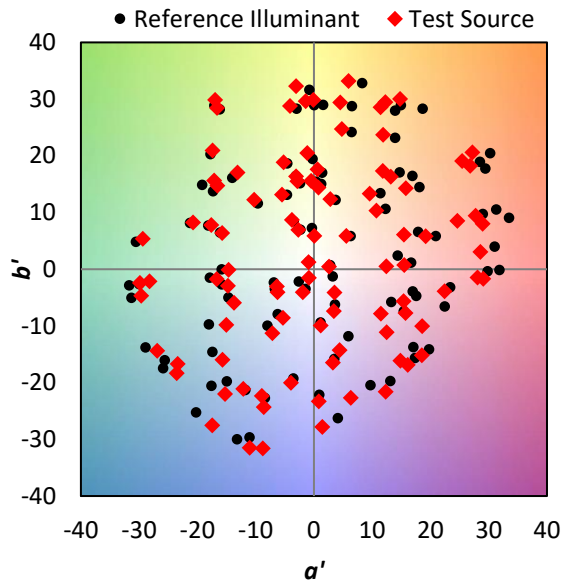
TM-30-18

Summary

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



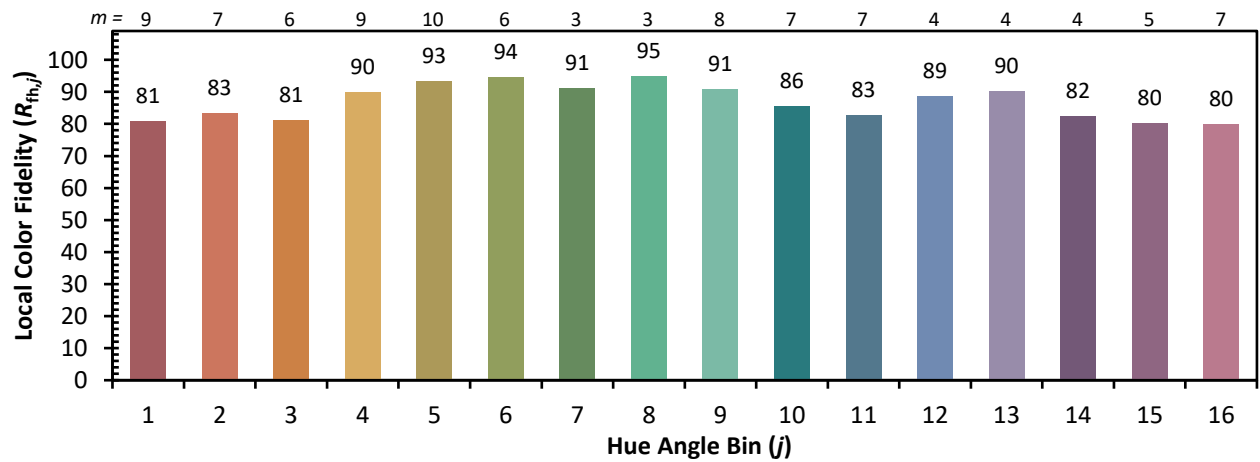
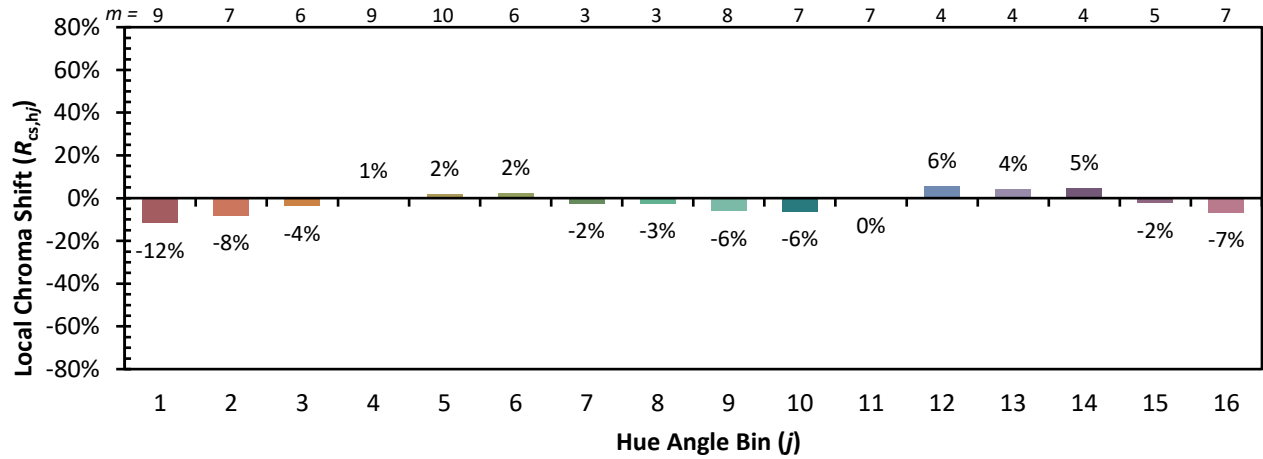
Color Vector Graphics



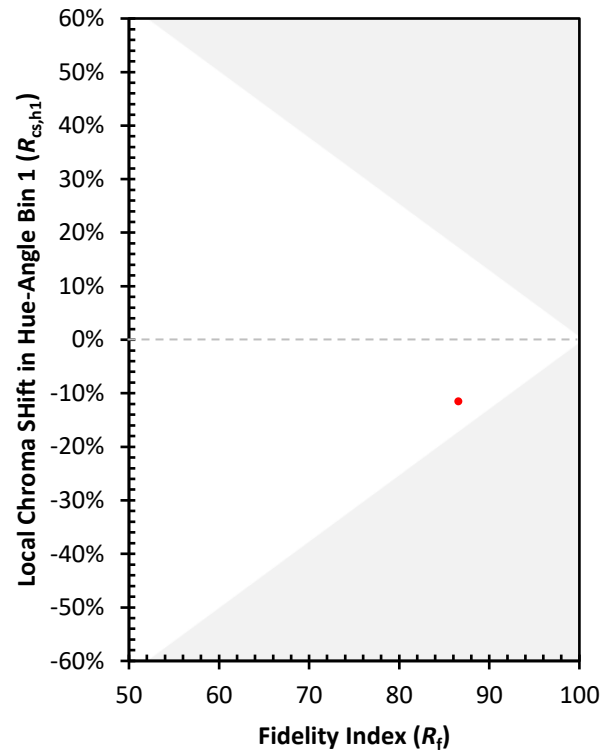
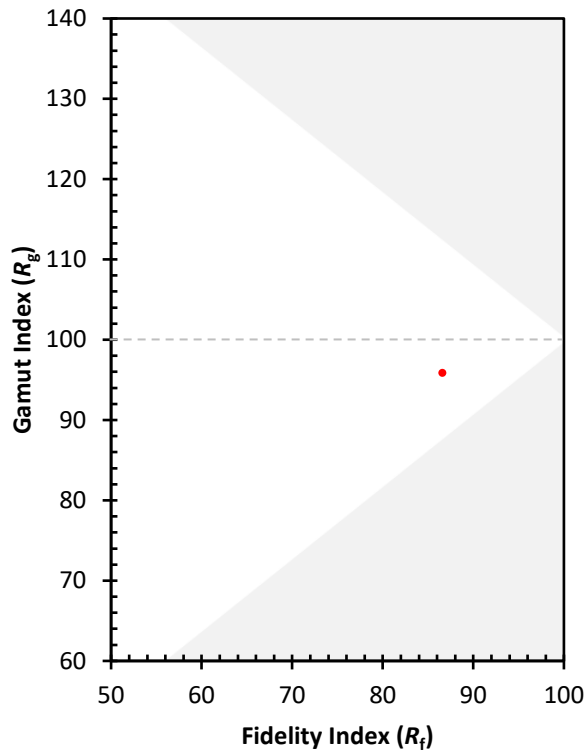
Individual Sample Fidelity Index ($R_{f,i}$)

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)