

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: P1067622

Luminaire Tested: **NAV-SA5B-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067622
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5B-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19441.8 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
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

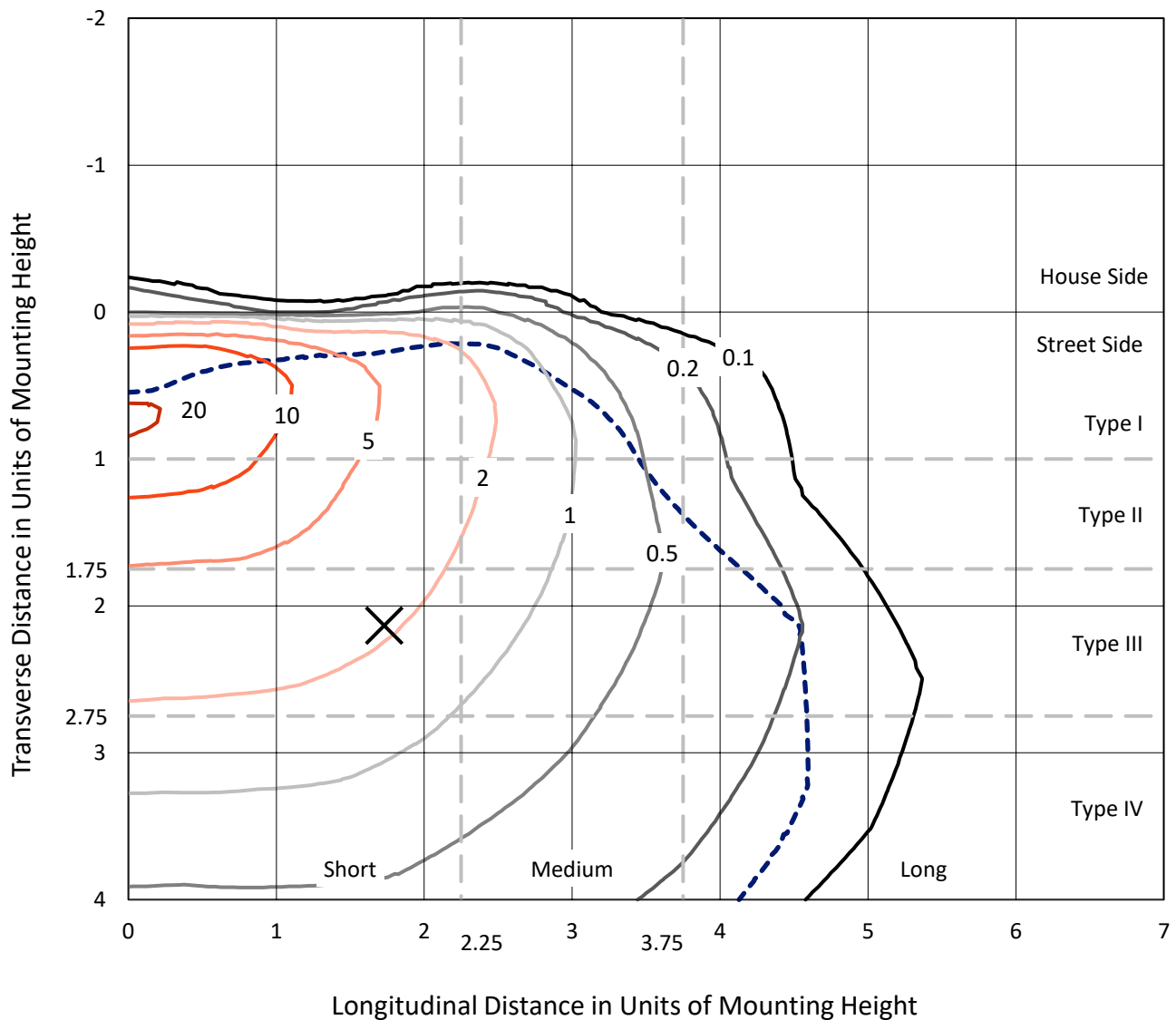


REPORT NUMBER: P1067622

CATALOG NUMBER: NAV-SA5B-835-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

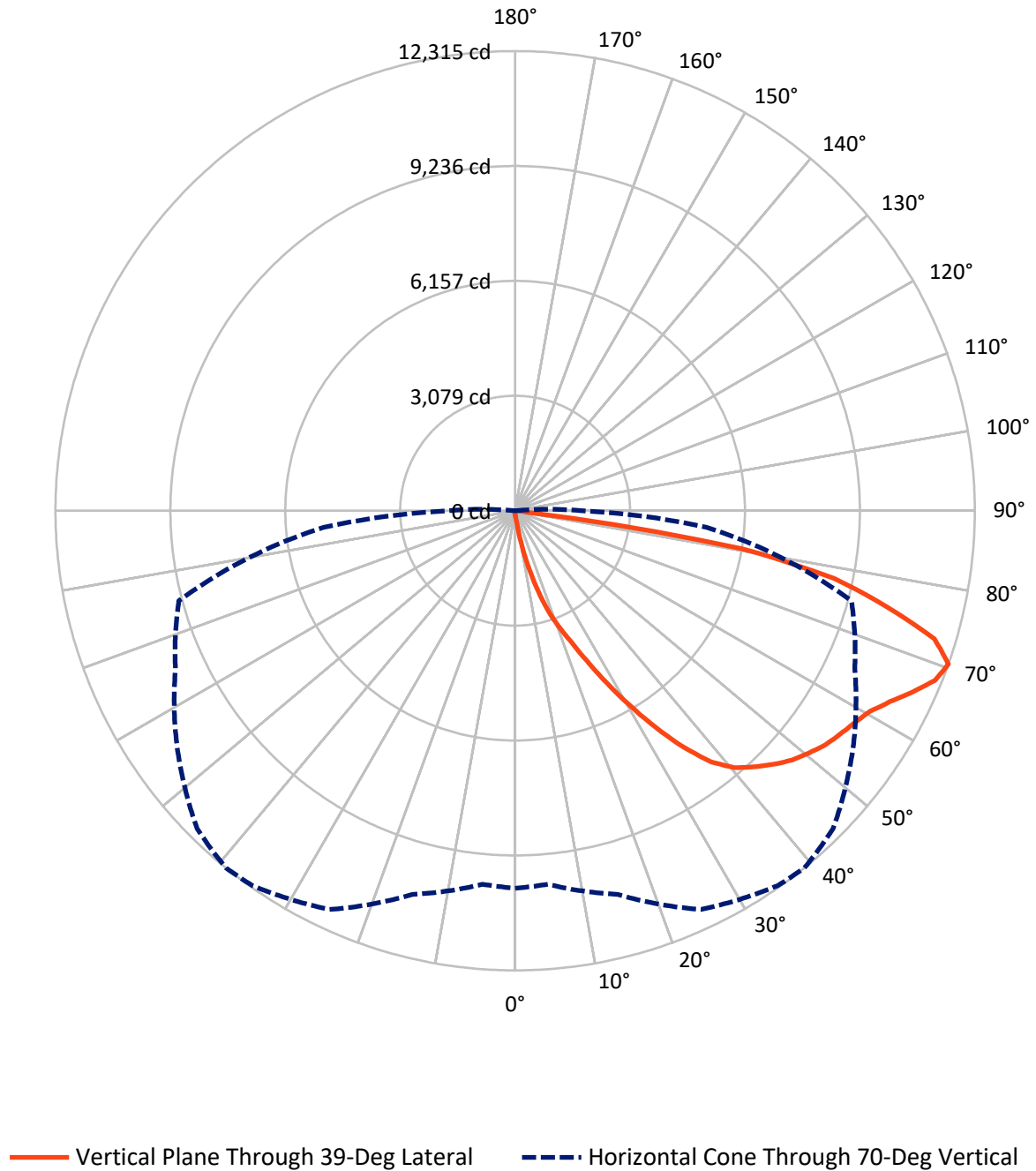


Based on 15 foot mounting height. Maximum calculated value = 21.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P1067622

CATALOG NUMBER: NAV-SA5B-835-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067622

CATALOG NUMBER: NAV-SA5B-835-U-T4BC

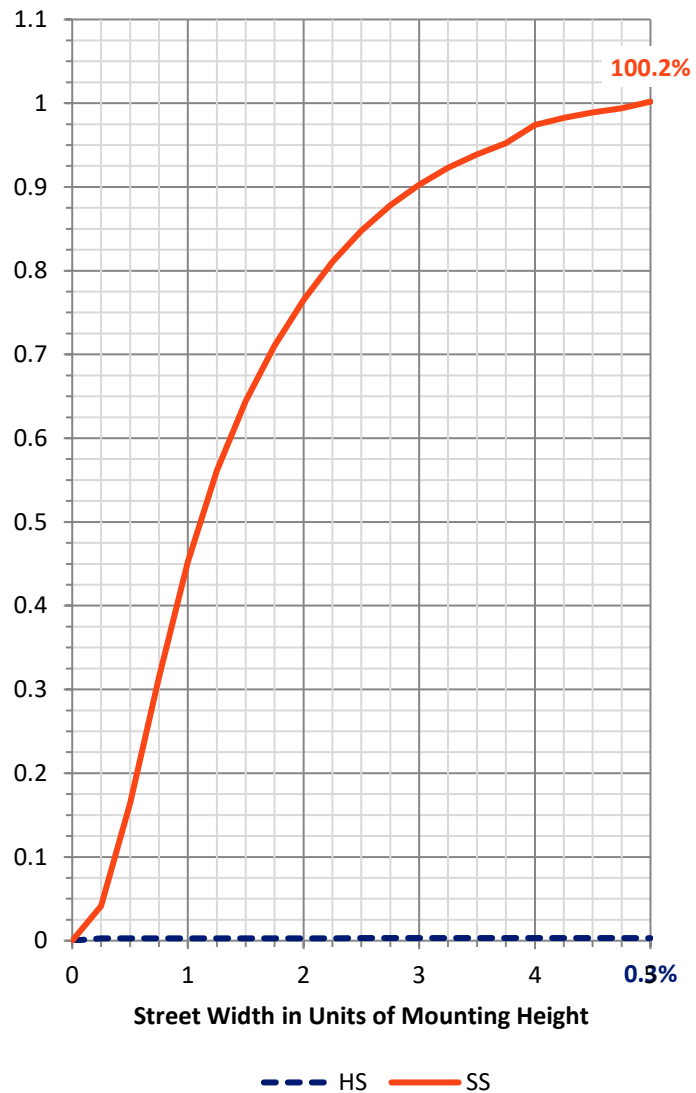
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.9	0.0	59.9
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	19381.9	0.0	19381.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	19441.8	0.0	19441.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.1
10°-20°	239.0	1.2
20°-30°	811.1	4.2
30°-40°	1906.2	9.8
40°-50°	3095.3	15.9
50°-60°	3922.3	20.2
60°-70°	4982.4	25.6
70°-80°	4048.2	20.8
80°-90°	416.8	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°	19441.8	100.0
0°-180°	19441.8	100.0



REPORT NUMBER: P1067622

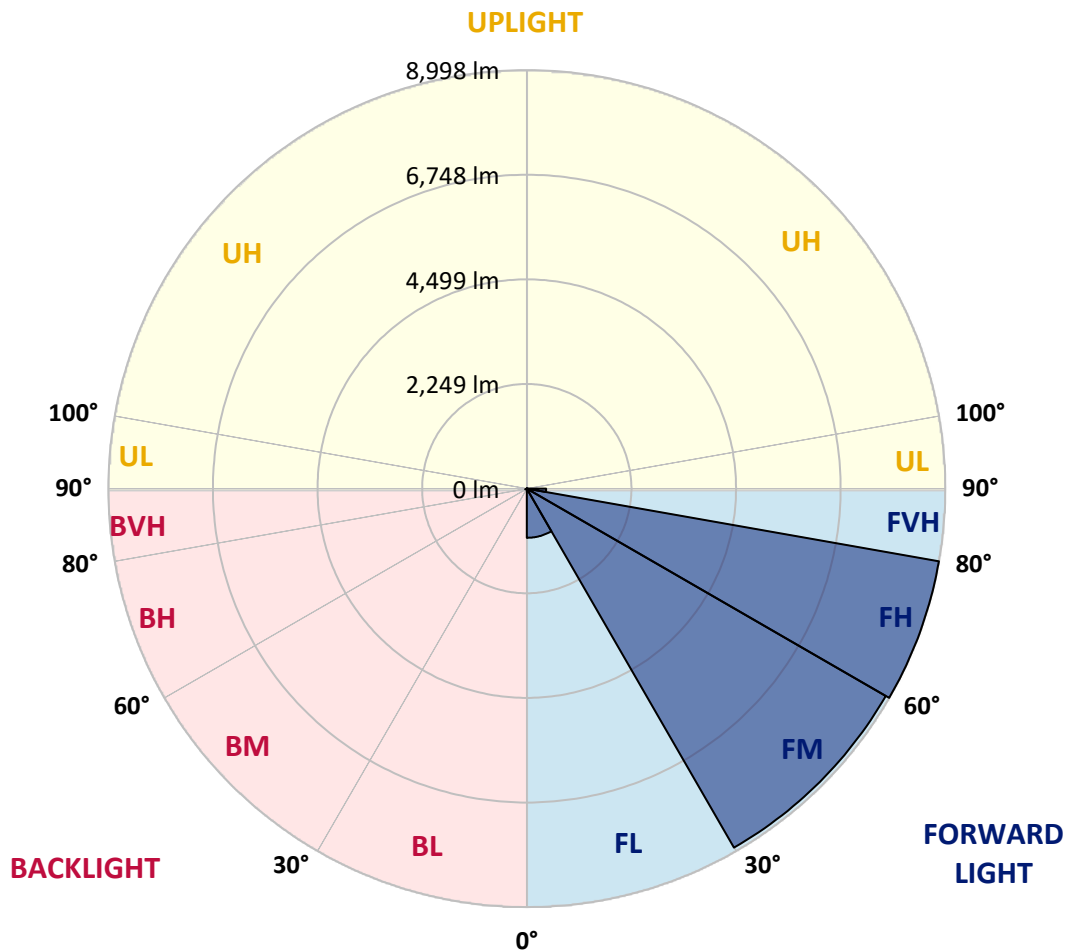
CATALOG NUMBER: NAV-SA5B-835-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1057.6	5.4			
FM	(30°-60°)	8912.3	45.8			
FH	(60°-80°)	8997.7	46.3			G4/12000
FVH	(80°-90°)	414.3	2.1			G3/500
BL	(0°-30°)	13.0	0.1	B0/110		
BM	(30°-60°)	11.5	0.1	B0/220		
BH	(60°-80°)	32.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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-G4

Type IV Short



REPORT NUMBER: P1067622

CATALOG NUMBER: NAV-SA5B-835-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
2.5°	137.2	137.2	137.2	132.0	132.0	126.7	126.7	121.4	116.1	116.1	110.8
5°	258.6	263.9	248.1	216.4	195.3	184.7	174.2	147.8	132.0	121.4	110.8
7.5°	707.3	686.2	654.5	549.0	422.3	358.9	306.1	216.4	158.4	126.7	110.8
10°	1488.5	1430.4	1340.7	1198.2	950.1	849.8	659.8	395.9	221.7	142.5	110.8
12.5°	2185.2	2195.8	2085.0	1947.7	1646.9	1477.9	1219.3	744.3	348.4	168.9	110.8
15°	2713.1	2702.5	2660.3	2549.5	2280.3	2116.6	1884.4	1251.0	585.9	211.1	116.1
17.5°	3130.1	3087.8	3072.0	3024.5	2850.3	2760.6	2507.2	1842.2	929.0	285.0	121.4
20°	3547.1	3536.5	3520.7	3467.9	3351.8	3288.4	3093.1	2438.6	1382.9	406.4	132.0
22.5°	4154.1	4096.0	4106.6	3990.5	3895.4	3784.6	3626.2	3072.0	1905.5	580.6	147.8
25°	4866.7	4861.4	4776.9	4724.1	4565.8	4444.4	4233.3	3684.3	2486.1	839.3	163.6
27.5°	5705.9	5647.9	5610.9	5521.2	5357.6	5220.3	4930.0	4291.3	3114.2	1129.6	184.7
30°	6582.1	6582.1	6513.5	6376.3	6217.9	6049.0	5753.4	4930.0	3737.1	1499.1	211.1
32.5°	7606.1	7627.3	7458.3	7252.5	7046.6	6930.5	6545.2	5653.1	4333.5	1921.3	242.8
35°	8598.5	8572.1	8292.3	8065.4	7912.3	7785.6	7458.3	6444.9	5009.2	2412.2	285.0
37.5°	9548.6	9480.0	9015.5	8693.5	8624.9	8540.4	8213.2	7236.7	5679.5	2955.9	337.8
40°	10229.5	10123.9	9643.6	9200.2	9099.9	9052.4	8799.1	7954.5	6386.8	3562.9	406.4
42.5°	10525.1	10403.7	10071.1	9712.2	9490.5	9379.7	9158.0	8540.4	7094.1	4238.5	506.7
45°	10583.1	10488.1	10250.6	10166.2	9865.3	9696.4	9395.5	8957.4	7753.9	4908.9	644.0
47.5°	10372.0	10329.8	10187.3	10366.7	10213.7	9981.4	9617.2	9268.8	8339.8	5721.8	834.0
50°	9854.7	9823.1	9891.7	10361.5	10467.0	10203.1	9860.0	9511.6	8846.6	6561.0	1103.2
52.5°	9158.0	9152.7	9474.7	10224.2	10577.9	10414.2	10097.5	9754.4	9247.7	7373.9	1483.2
55°	8397.9	8487.6	9052.4	10097.5	10641.2	10567.3	10329.8	9970.9	9606.6	8128.7	2095.5
57.5°	8334.6	8297.6	8841.3	10044.7	10678.2	10720.4	10562.0	10197.8	9912.8	8746.3	2913.7
60°	8968.0	8883.5	9089.4	10155.6	10841.8	10915.7	10794.3	10372.0	10218.9	9231.9	3990.5
62.5°	9701.7	9622.5	9728.0	10583.1	11163.8	11269.3	11116.3	10551.5	10467.0	9569.7	5146.4
65°	10287.6	10224.2	10424.8	11221.8	11612.4	11702.2	11596.6	10884.0	10577.9	9844.2	6086.0
67.5°	10382.6	10303.4	10720.4	11649.4	12066.4	12129.7	12045.3	11206.0	10540.9	9865.3	6302.4
70°	10113.4	10044.7	10641.2	11786.6	12261.7	12314.5	12045.3	11052.9	10039.5	9326.9	5151.7
72.5°	9284.7	9337.4	10108.1	11454.1	11992.5	11749.7	11179.6	10282.3	9390.2	7907.0	3615.7
75°	7996.7	8054.8	9078.8	10540.9	10583.1	10287.6	9981.4	9458.8	8403.2	5209.8	2507.2
77.5°	5684.8	5479.0	7009.7	8704.0	8551.0	8741.0	8767.4	7870.1	7036.1	2713.1	1678.5
80°	559.5	475.1	881.5	2496.7	5515.9	6165.1	6418.5	6064.9	5188.6	1214.0	881.5
82.5°	121.4	121.4	132.0	142.5	221.7	332.5	1525.5	3737.1	3351.8	617.6	285.0
85°	68.6	68.6	84.5	100.3	132.0	147.8	174.2	232.2	902.6	221.7	52.8
87.5°	52.8	58.1	68.6	84.5	110.8	121.4	147.8	184.7	227.0	205.9	15.8
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: P1067622

CATALOG NUMBER: NAV-SA5B-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
2.5°	110.8	105.6	100.3	95.0	89.7	89.7	84.5	84.5	84.5	84.5	84.5
5°	105.6	100.3	95.0	84.5	79.2	73.9	68.6	68.6	68.6	68.6	68.6
7.5°	105.6	100.3	89.7	79.2	68.6	63.3	58.1	52.8	52.8	58.1	58.1
10°	105.6	95.0	79.2	68.6	58.1	52.8	47.5	42.2	42.2	42.2	42.2
12.5°	100.3	89.7	73.9	63.3	52.8	42.2	31.7	26.4	26.4	26.4	26.4
15°	95.0	84.5	68.6	52.8	36.9	26.4	21.1	15.8	15.8	15.8	15.8
17.5°	95.0	79.2	63.3	47.5	26.4	15.8	10.6	5.3	5.3	5.3	10.6
20°	95.0	79.2	58.1	36.9	15.8	10.6	10.6	5.3	0.0	5.3	5.3
22.5°	95.0	73.9	47.5	26.4	15.8	10.6	5.3	0.0	0.0	0.0	0.0
25°	100.3	73.9	42.2	21.1	10.6	5.3	0.0	0.0	0.0	0.0	0.0
27.5°	100.3	68.6	36.9	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	105.6	68.6	31.7	10.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	105.6	63.3	21.1	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	105.6	58.1	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	105.6	52.8	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	110.8	47.5	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	116.1	42.2	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	121.4	36.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	137.2	36.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	158.4	36.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	190.0	36.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	248.1	31.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	358.9	31.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	601.7	31.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1055.7	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1784.1	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2327.8	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1768.3	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	844.5	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	374.8	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	163.6	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	63.3	10.6	5.3	5.3	5.3	5.3	0.0	0.0	0.0	0.0	0.0
82.5°	26.4	10.6	5.3	5.3	5.3	5.3	5.3	0.0	0.0	0.0	0.0
85°	15.8	10.6	10.6	10.6	5.3	5.3	5.3	0.0	0.0	0.0	0.0
87.5°	10.6	10.6	10.6	10.6	10.6	5.3	5.3	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

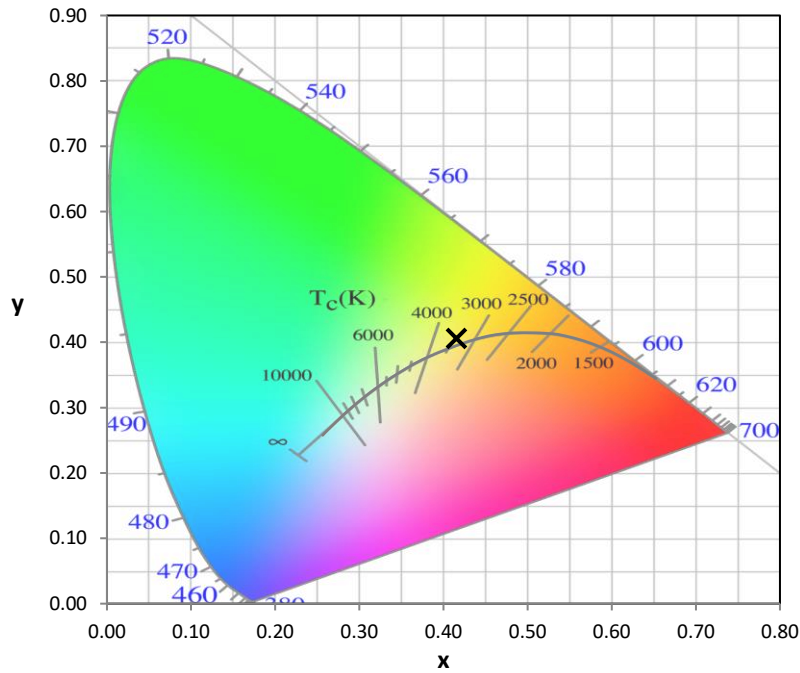
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

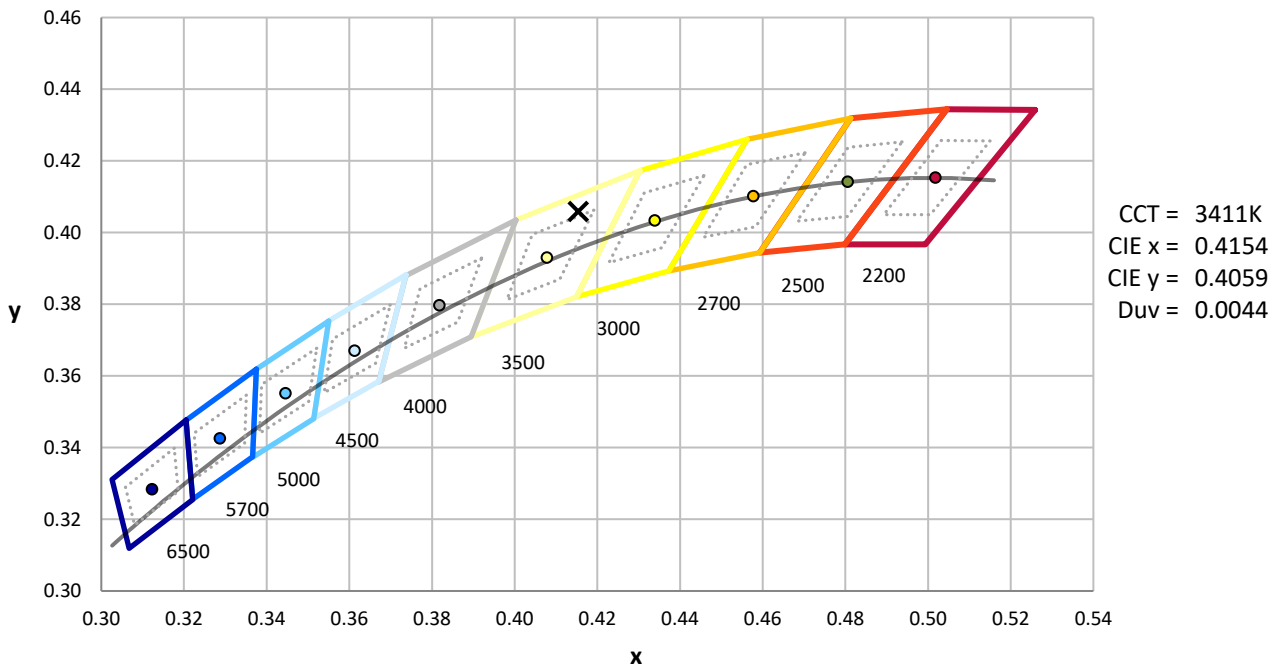
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



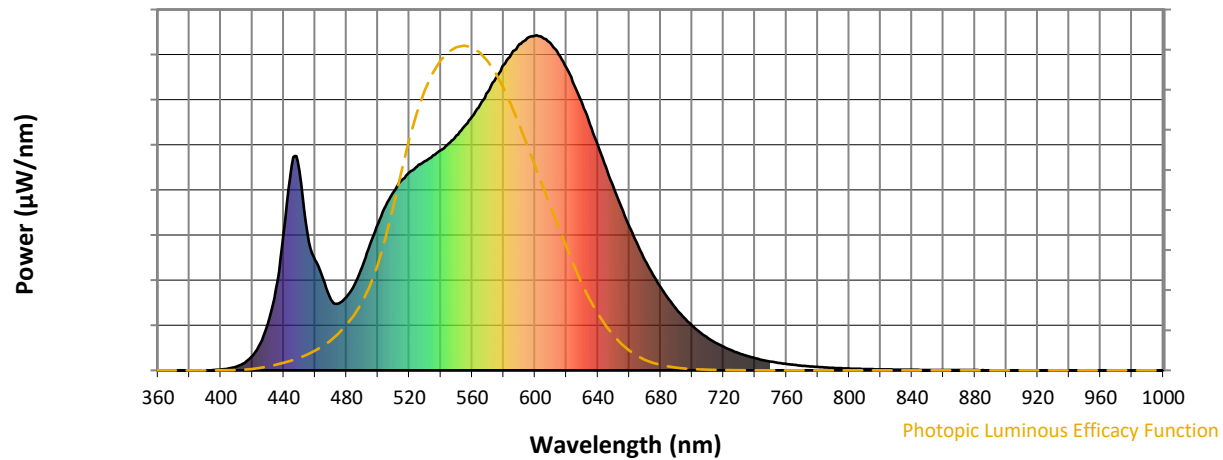
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

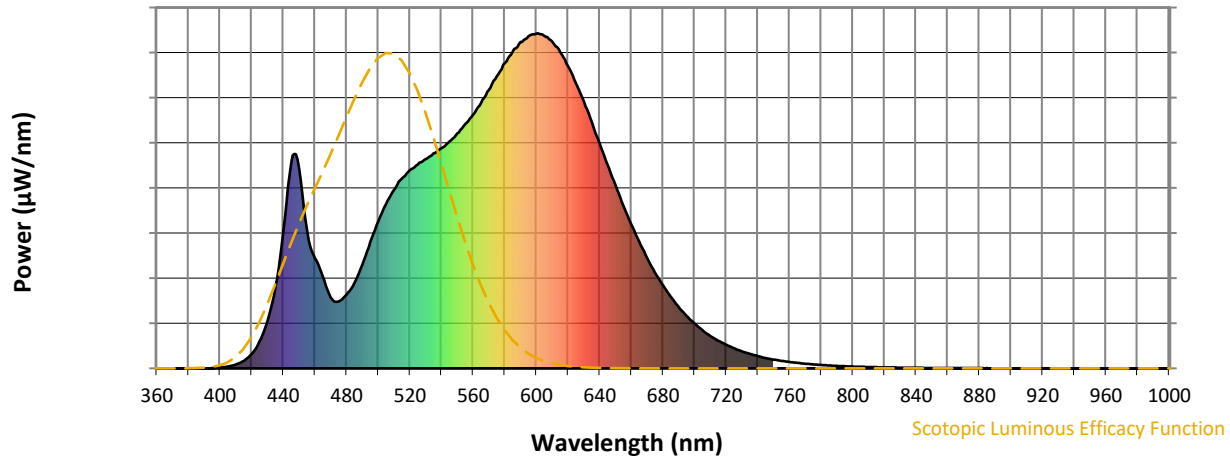


Photopic Lumens: NR

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



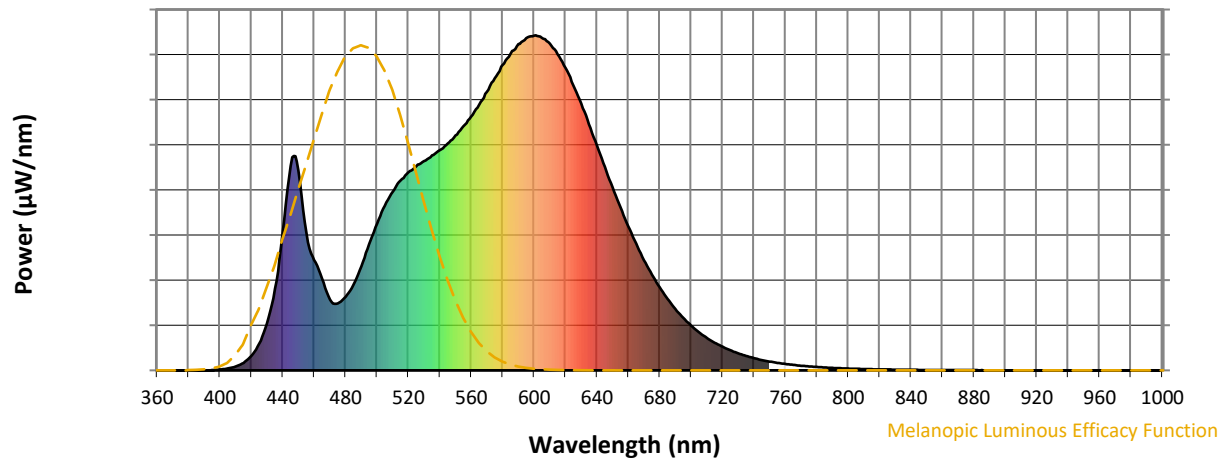
Scotopic Lumens: NR

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 $\text{W}^\wedge/\text{nm}$	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

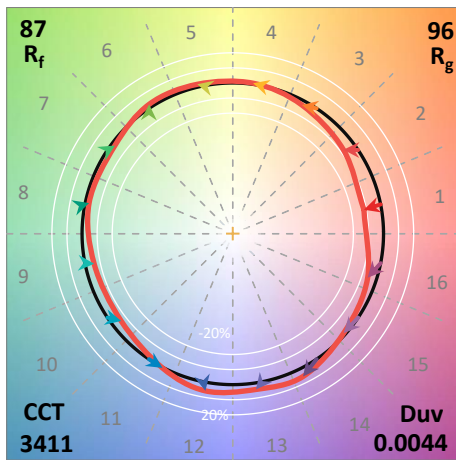
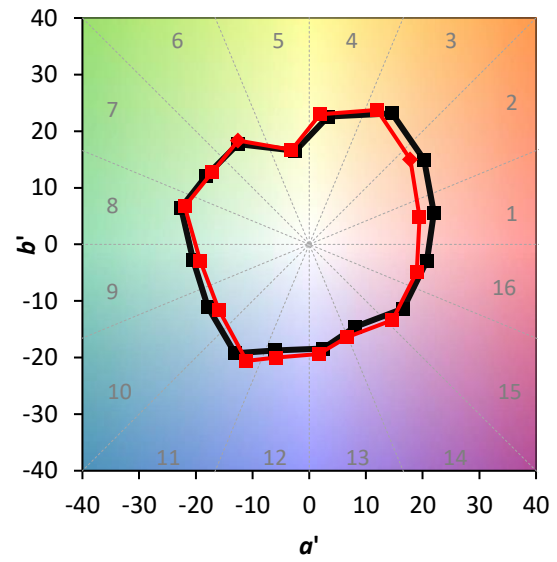
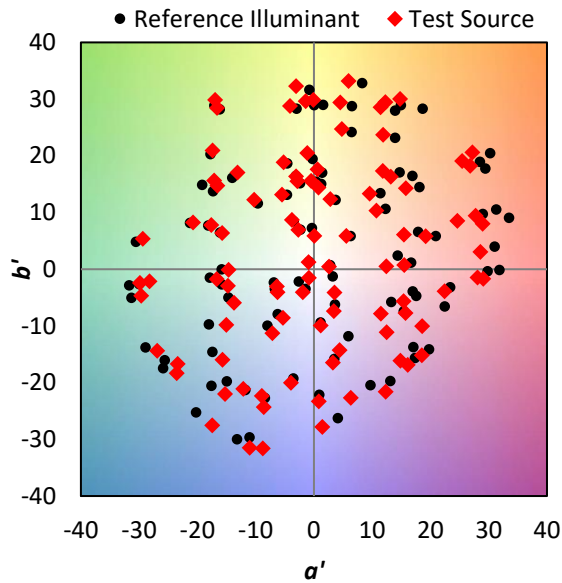
TM-30-18

Summary

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



Color Vector Graphics

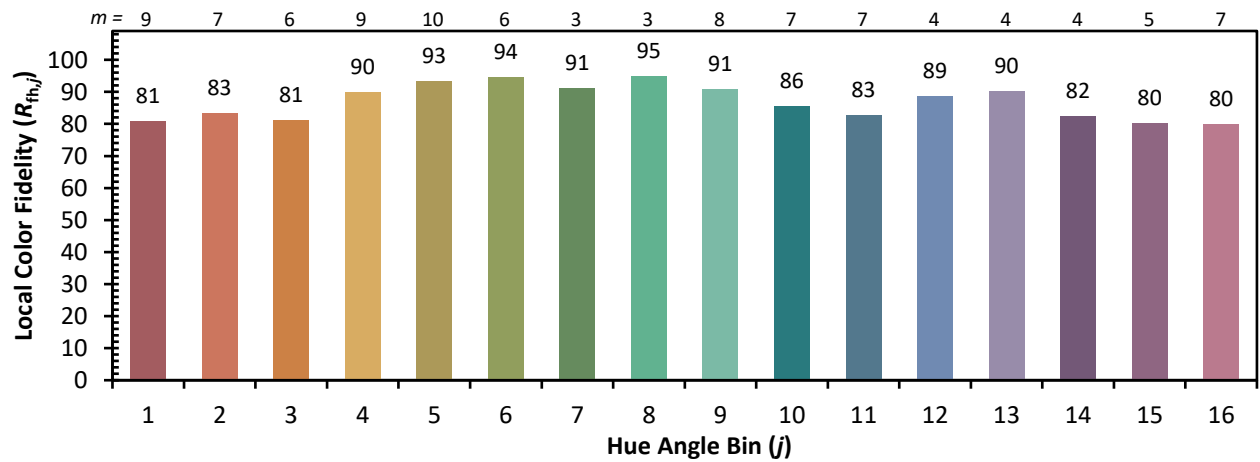
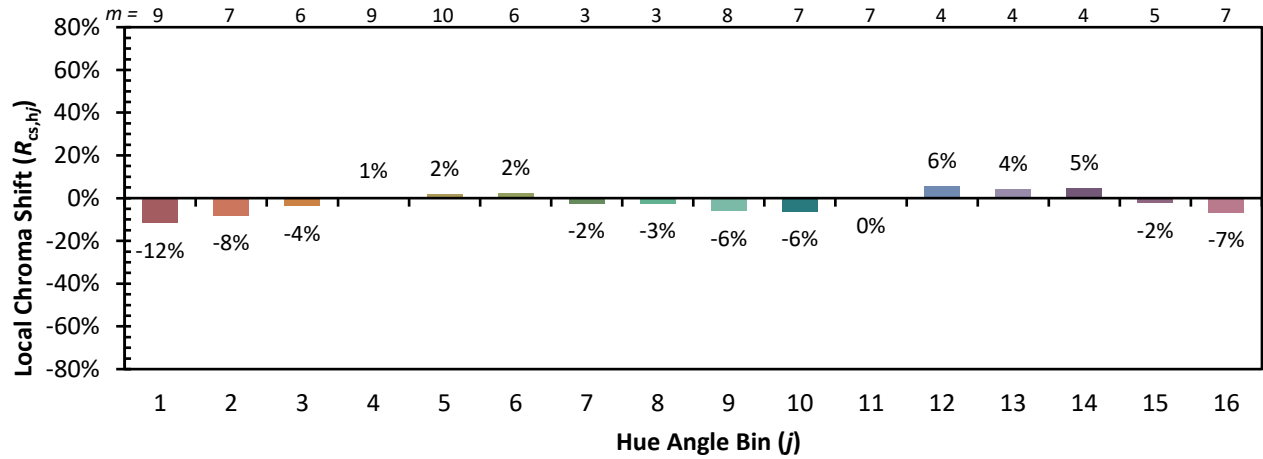


Individual Sample Fidelity Index ($R_{f,i}$)

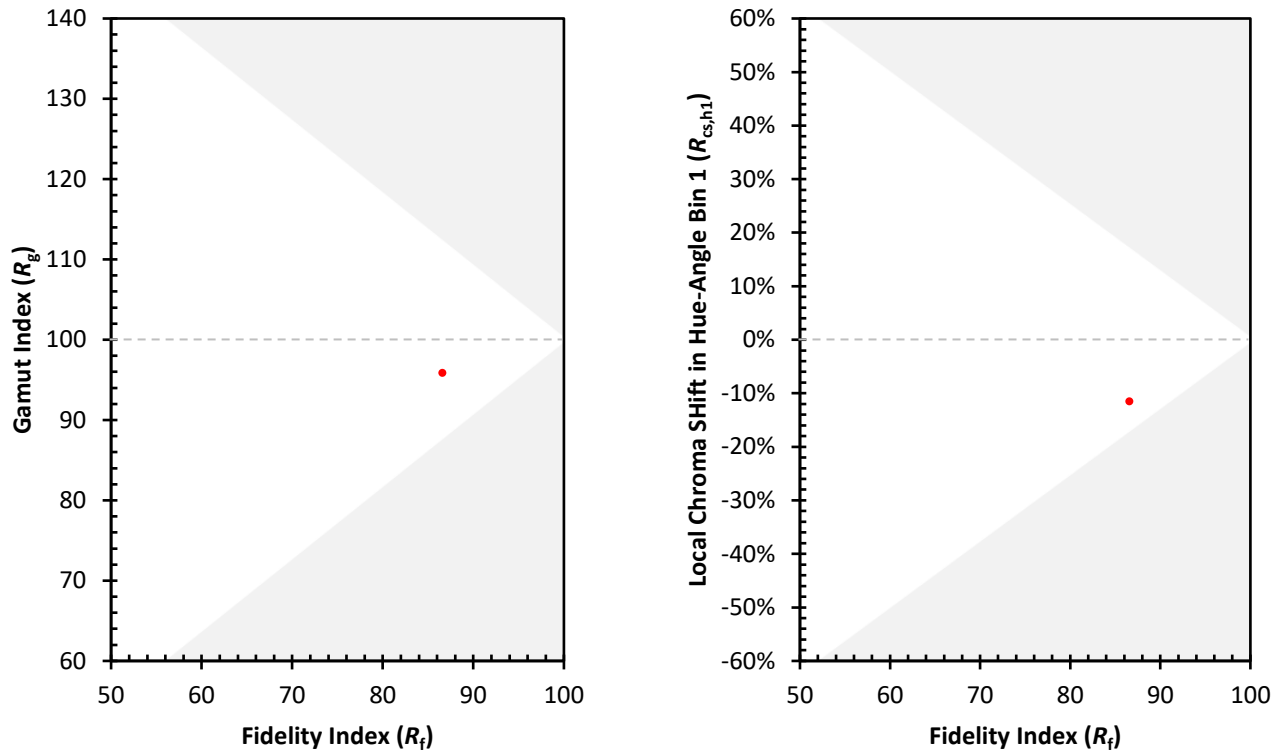
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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