

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: P1067142

Luminaire Tested: **NAV-SA5B-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067142
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-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 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: 20335 lumens
Efficiency: N/A
Efficacy: 113.7 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): 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

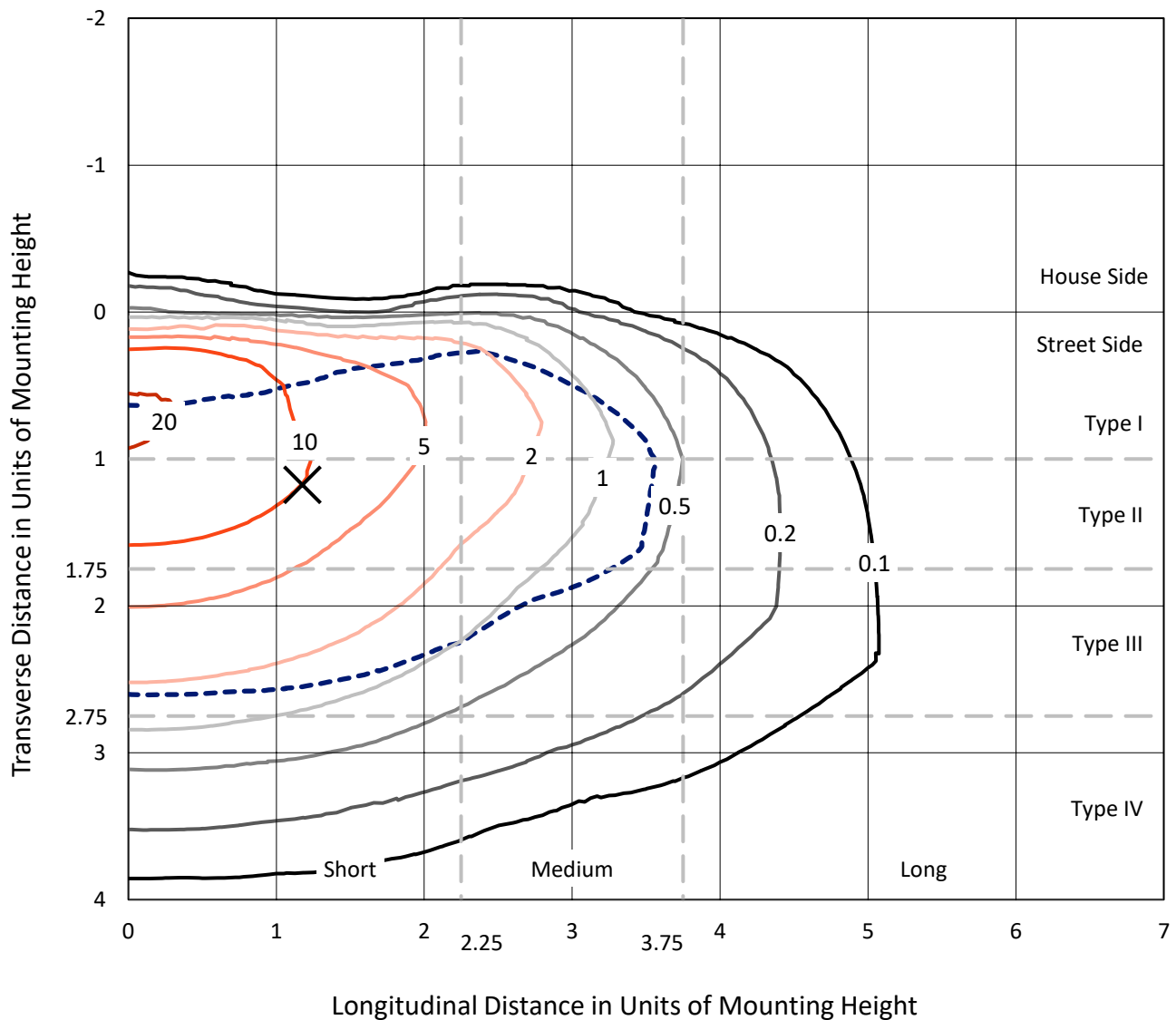


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

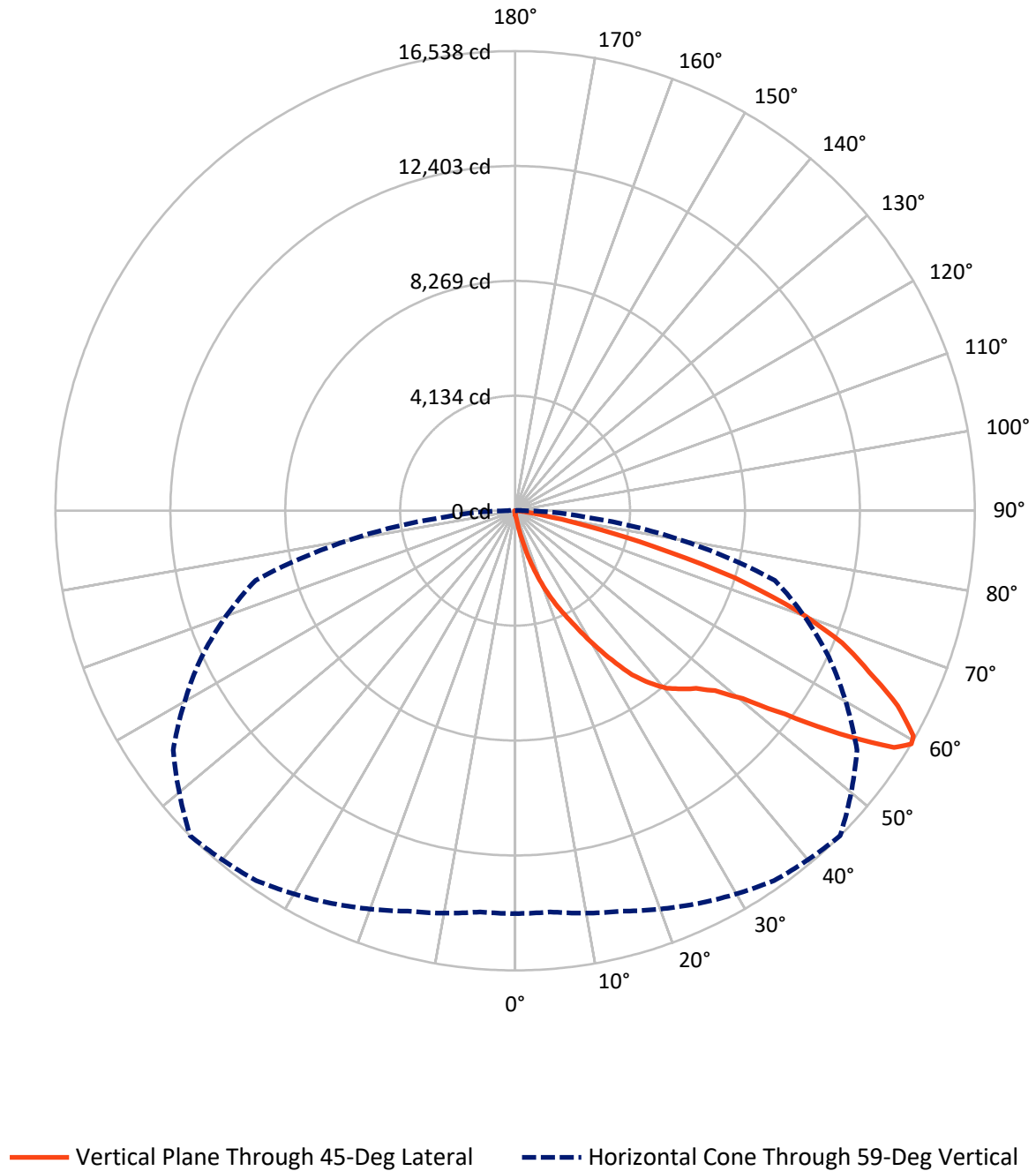


Based on 15 foot mounting height. Maximum calculated value = 22.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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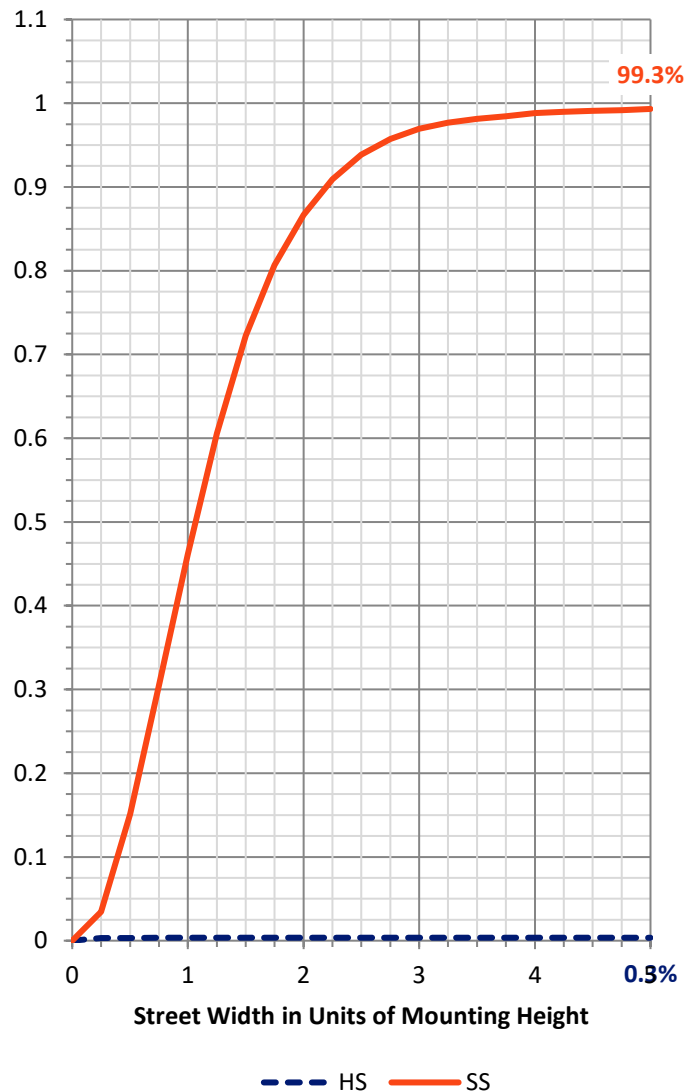
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	72.2	0.0	72.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	20262.8	0.0	20262.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	20335.0	0.0	20335.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	0.1
10°-20°	224.8	1.1
20°-30°	807.6	4.0
30°-40°	1876.6	9.2
40°-50°	3198.6	15.7
50°-60°	5270.4	25.9
60°-70°	6093.8	30.0
70°-80°	2618.1	12.9
80°-90°	226.2	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°	20335.0	100.0
0°-180°	20335.0	100.0



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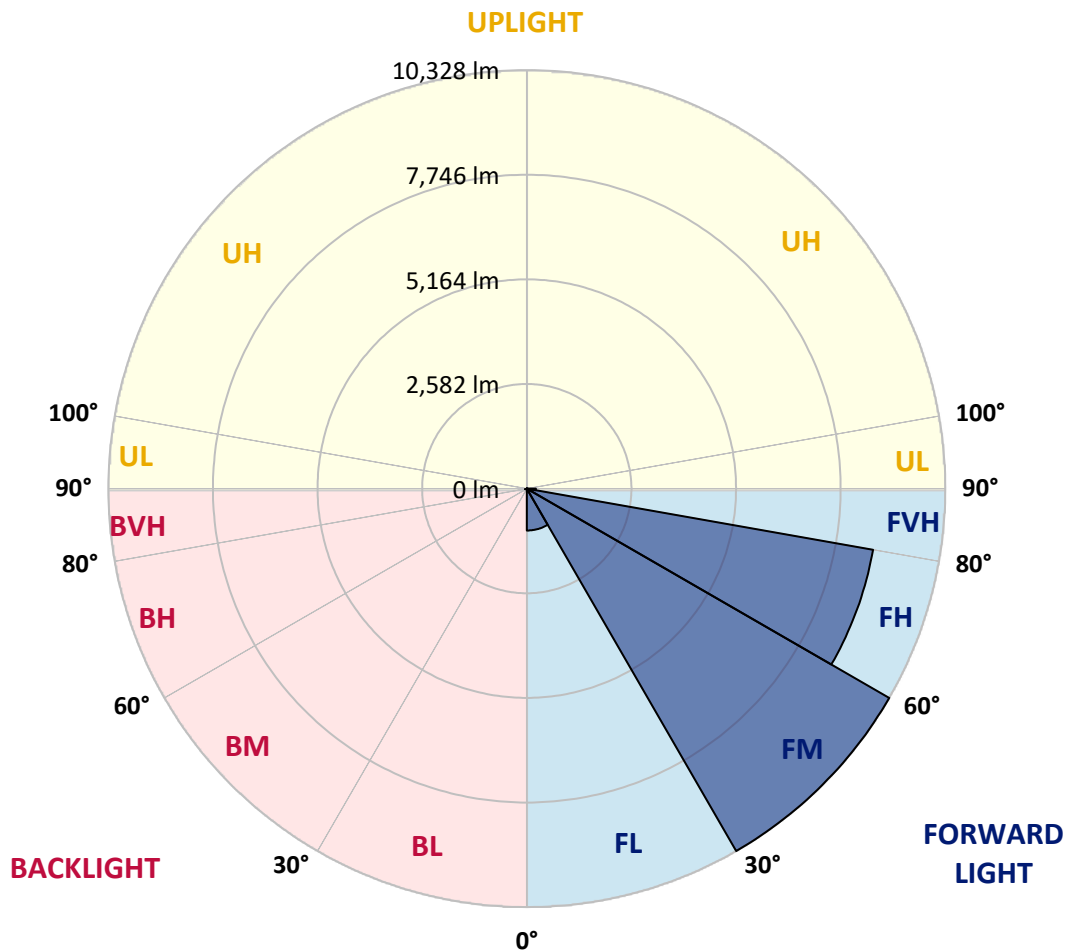
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1033.4	5.1			
FM	(30°-60°)	10328.2	50.8			
FH	(60°-80°)	8677.9	42.7			G4/12000
FVH	(80°-90°)	223.3	1.1			G2/225
BL	(0°-30°)	17.8	0.1	B0/110		
BM	(30°-60°)	17.5	0.1	B0/220		
BH	(60°-80°)	34.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5
2.5°	166.8	166.8	162.7	157.2	155.9	151.8	151.8	147.7	142.2	138.1	132.6
5°	242.0	240.7	229.7	216.0	198.3	187.3	187.3	172.3	158.6	146.3	135.4
7.5°	529.2	516.9	477.2	411.6	325.4	268.0	263.9	214.7	181.9	157.2	136.7
10°	1214.2	1171.8	1115.7	958.5	708.3	495.0	485.4	313.1	217.4	169.5	139.5
12.5°	1989.5	2023.7	1911.5	1664.0	1371.4	1020.0	951.7	527.8	287.1	186.0	142.2
15°	2695.0	2686.8	2623.9	2421.5	2083.8	1616.2	1573.8	917.5	411.6	211.9	144.9
17.5°	3222.8	3213.2	3153.1	3023.2	2763.4	2295.8	2258.8	1463.0	645.4	248.9	147.7
20°	3779.3	3767.0	3682.2	3578.3	3351.3	2953.4	2909.7	2072.9	1010.5	309.0	147.7
22.5°	4446.6	4423.3	4333.1	4156.7	3917.4	3571.5	3531.8	2696.4	1463.0	407.5	154.5
25°	5253.3	5213.6	5089.2	4930.6	4642.1	4182.7	4140.3	3391.0	2008.6	556.5	161.3
27.5°	6173.5	6180.4	6012.2	5744.2	5357.2	4888.2	4808.9	4013.1	2573.3	769.8	169.5
30°	7266.0	7197.6	6961.1	6649.3	6273.3	5675.8	5599.2	4632.5	3207.8	1084.3	183.2
32.5°	8288.8	8214.9	7896.4	7503.9	7100.6	6470.2	6407.3	5328.5	3784.8	1456.2	207.8
35°	9166.6	9114.7	8668.9	8190.3	7832.1	7268.8	7249.6	6105.1	4463.0	1856.8	235.2
37.5°	9939.2	9844.8	9271.9	8775.6	8411.8	7907.3	7866.3	6816.2	5116.6	2321.7	276.2
40°	10598.2	10546.3	9847.5	9195.3	8900.0	8448.8	8396.8	7439.7	5792.0	2861.8	326.8
42.5°	11303.8	11235.4	10557.2	9825.7	9281.5	8798.8	8764.6	7953.8	6393.7	3455.3	402.0
45°	12100.9	11973.7	11379.0	10722.6	9895.4	9161.1	9122.9	8411.8	7010.3	4092.4	493.6
47.5°	12952.8	12842.0	12360.7	11899.9	10948.2	9758.7	9676.6	8801.5	7622.9	4828.1	609.8
50°	13819.7	13822.4	13461.4	13239.9	12234.9	10729.5	10613.3	9374.4	8266.9	5615.6	782.1
52.5°	14828.7	14854.7	14849.3	14685.2	13905.8	12316.9	12161.1	10244.1	9014.8	6534.5	1020.0
55°	15251.2	15297.7	15599.9	15963.6	15751.7	14329.7	14162.9	11744.0	10006.2	7558.6	1372.8
57.5°	14905.3	14957.3	15374.3	16011.5	16498.3	16092.2	16073.0	13696.6	11312.0	8800.2	1949.8
59°	14493.7	14486.9	14914.9	15590.3	16246.7	16510.6	16537.9	15017.4	12449.6	9671.2	2447.5
60°	14220.3	14225.7	14510.2	15203.4	15900.7	16358.8	16465.4	15795.4	13114.1	10297.4	2874.1
62.5°	13164.7	13227.6	13453.2	14097.2	14759.0	15270.4	15452.2	16488.7	15016.1	11776.9	4357.7
65°	12017.5	12021.6	12342.9	12894.0	13528.4	13888.0	14002.9	15409.9	16286.3	13283.7	6303.4
67.5°	9970.6	10054.0	10419.1	11312.0	12150.1	12605.5	12693.0	13413.6	15759.9	14265.4	7278.3
70°	6977.5	7086.9	7607.8	8766.0	10014.4	10762.3	10756.8	11150.6	13870.2	13827.9	6170.8
72.5°	3484.0	3672.7	4097.9	5338.1	6850.3	8024.9	8272.4	8969.7	11142.4	11485.6	4603.8
75°	1539.6	1550.6	1792.6	2417.4	3404.7	4896.4	5117.9	7119.7	8548.6	7982.5	3325.4
77.5°	895.6	903.8	947.6	1085.7	1379.6	2399.7	2648.5	4669.4	6040.9	4639.4	2168.6
80°	325.4	333.6	332.3	411.6	604.4	944.8	1052.8	2262.9	4029.5	2443.4	1136.3
82.5°	199.6	199.6	192.8	194.2	220.1	362.3	396.5	964.0	1962.1	1203.3	325.4
85°	98.4	103.9	110.8	124.4	147.7	179.1	190.1	276.2	660.4	291.2	77.9
87.5°	58.8	60.2	65.6	79.3	98.4	128.5	136.7	187.3	236.5	195.5	19.1
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5	128.5
2.5°	129.9	128.5	121.7	116.2	110.8	105.3	101.2	97.1	97.1	98.4	97.1
5°	129.9	124.4	113.5	103.9	95.7	88.9	82.0	76.6	75.2	75.2	76.6
7.5°	128.5	121.7	106.7	94.3	83.4	73.8	67.0	60.2	58.8	60.2	58.8
10°	127.2	119.0	101.2	86.1	71.1	61.5	52.0	45.1	45.1	45.1	46.5
12.5°	127.2	114.9	95.7	77.9	61.5	50.6	41.0	34.2	32.8	32.8	32.8
15°	125.8	112.1	90.2	68.4	52.0	38.3	30.1	23.2	23.2	23.2	23.2
17.5°	123.1	108.0	83.4	60.2	41.0	28.7	20.5	13.7	13.7	16.4	16.4
20°	120.3	103.9	75.2	49.2	34.2	21.9	13.7	8.2	8.2	12.3	13.7
22.5°	121.7	103.9	69.7	43.8	27.3	16.4	10.9	6.8	5.5	9.6	12.3
25°	123.1	101.2	62.9	38.3	20.5	12.3	8.2	2.7	1.4	2.7	4.1
27.5°	123.1	98.4	54.7	30.1	15.0	9.6	4.1	0.0	0.0	0.0	0.0
30°	121.7	94.3	47.9	24.6	10.9	5.5	1.4	0.0	0.0	0.0	0.0
32.5°	120.3	90.2	43.8	19.1	9.6	2.7	0.0	0.0	0.0	0.0	0.0
35°	121.7	84.8	38.3	15.0	5.5	0.0	0.0	0.0	0.0	0.0	2.7
37.5°	125.8	79.3	32.8	12.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	131.3	75.2	27.3	9.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	142.2	75.2	24.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	155.9	75.2	20.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	173.7	76.6	17.8	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	195.5	79.3	16.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	211.9	76.6	15.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	240.7	73.8	13.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	278.9	69.7	13.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	317.2	64.3	13.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	361.0	61.5	12.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	596.2	54.7	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1151.3	52.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1860.9	52.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1956.7	52.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1301.7	42.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	697.3	38.3	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	376.0	35.6	5.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	165.4	26.0	6.8	4.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	65.6	17.8	8.2	6.8	5.5	2.7	0.0	0.0	0.0	0.0	0.0
85°	31.4	13.7	10.9	9.6	6.8	4.1	0.0	0.0	0.0	0.0	0.0
87.5°	15.0	13.7	12.3	10.9	9.6	6.8	1.4	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

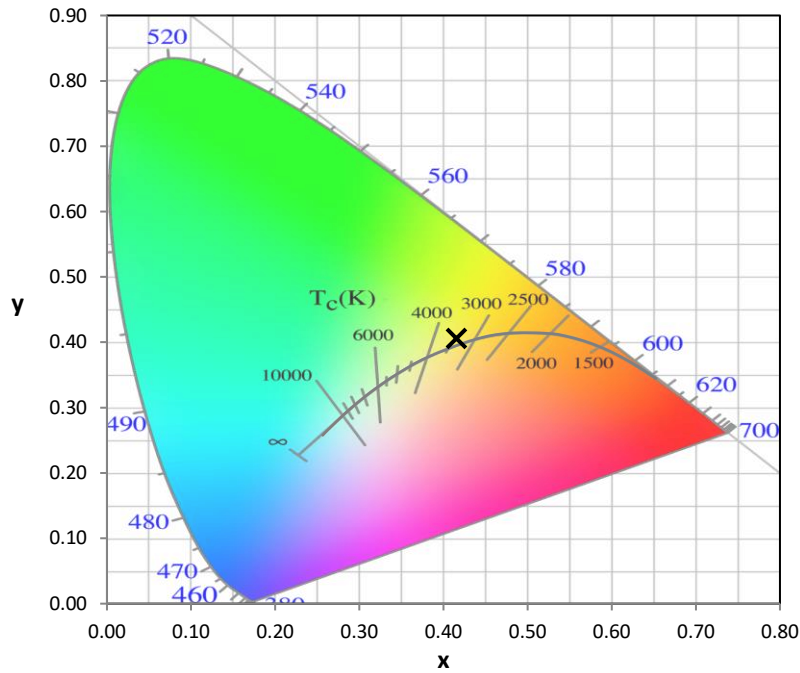
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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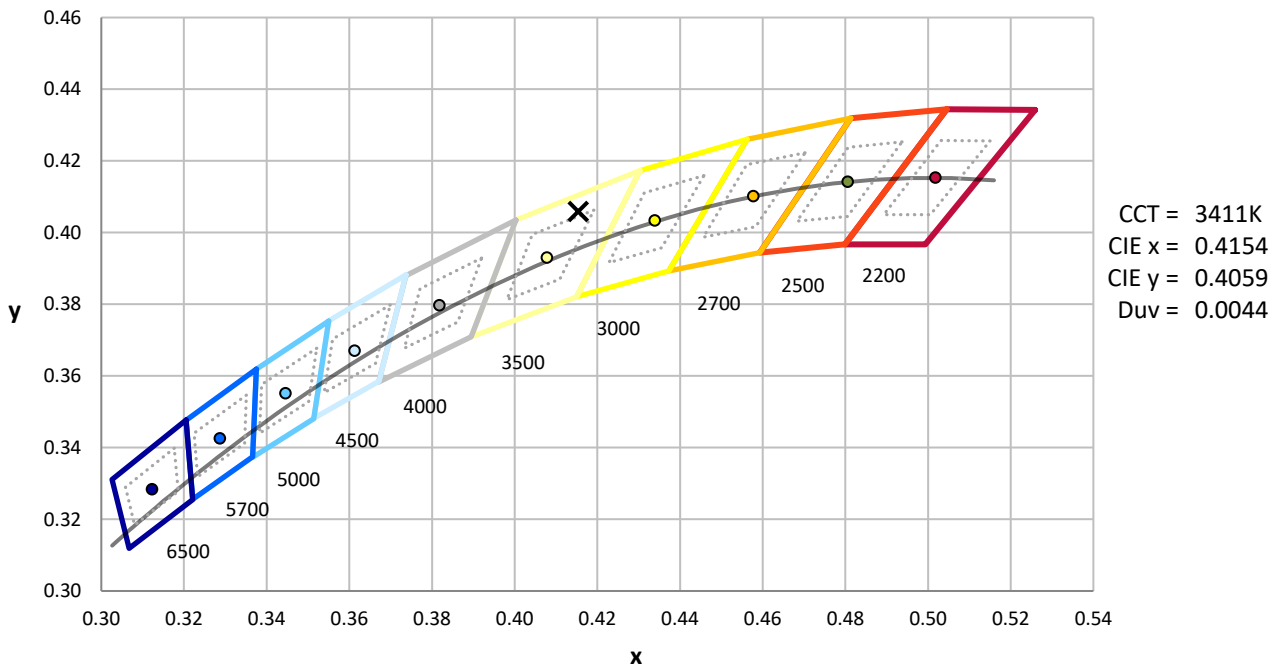
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



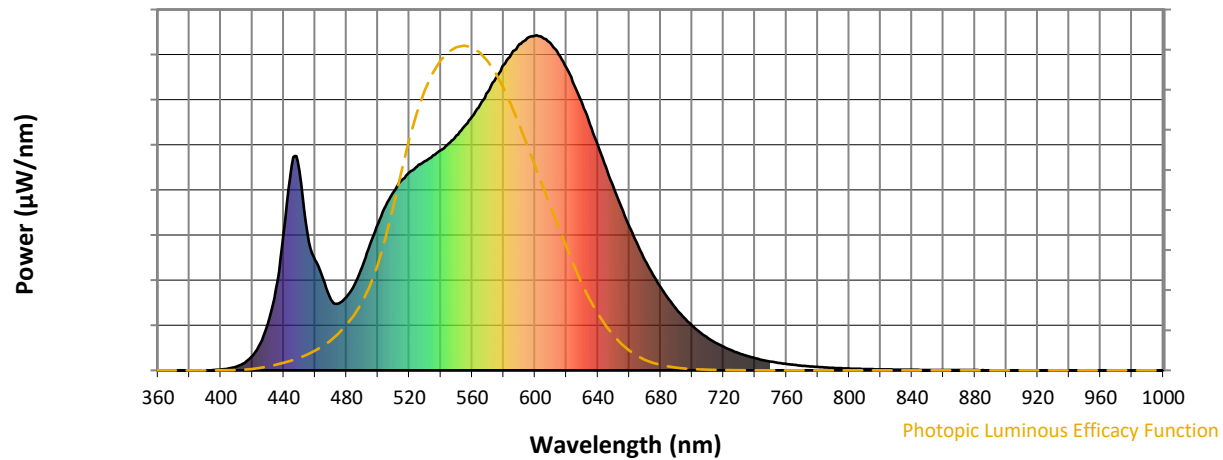
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

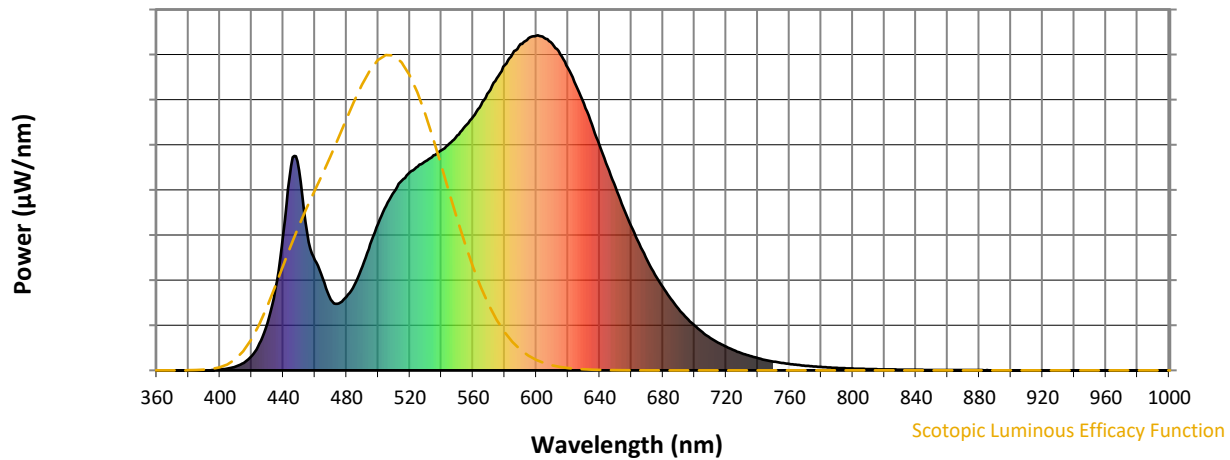


Photopic Lumens: NR

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



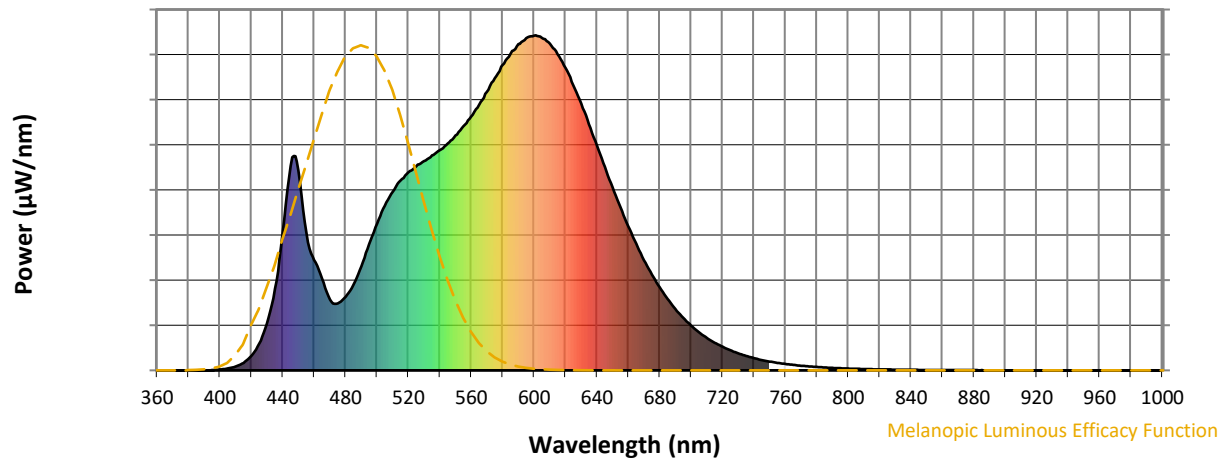
Scotopic Lumens: NR

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 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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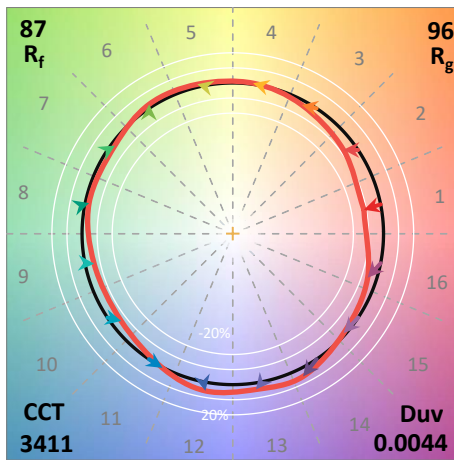
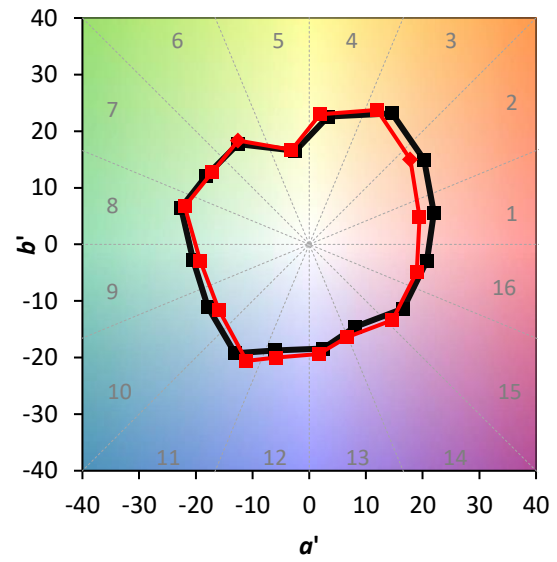
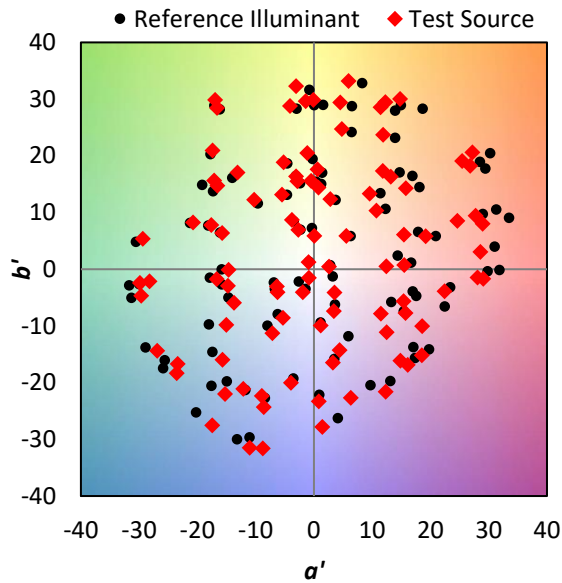
TM-30-18

Summary

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



Color Vector Graphics

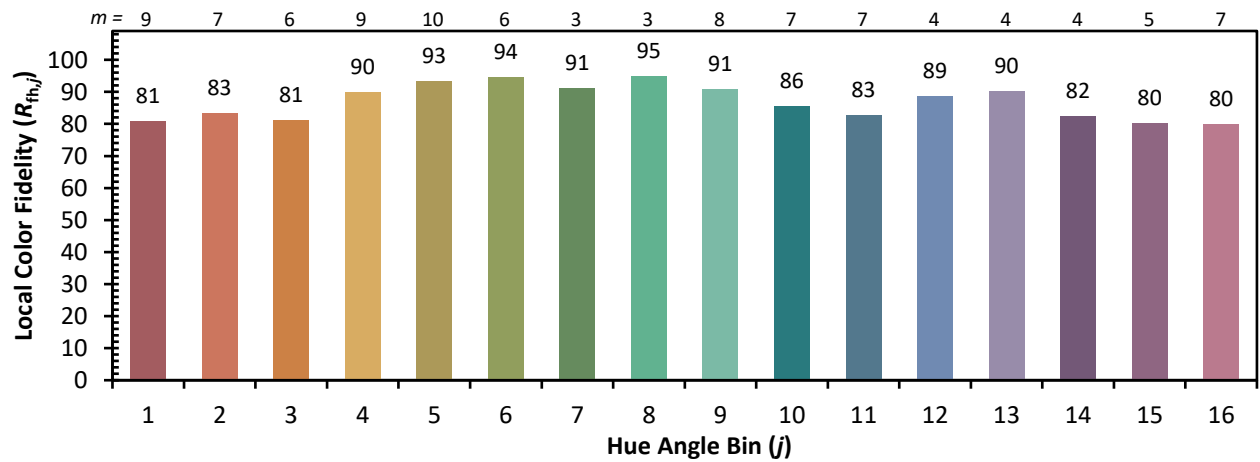
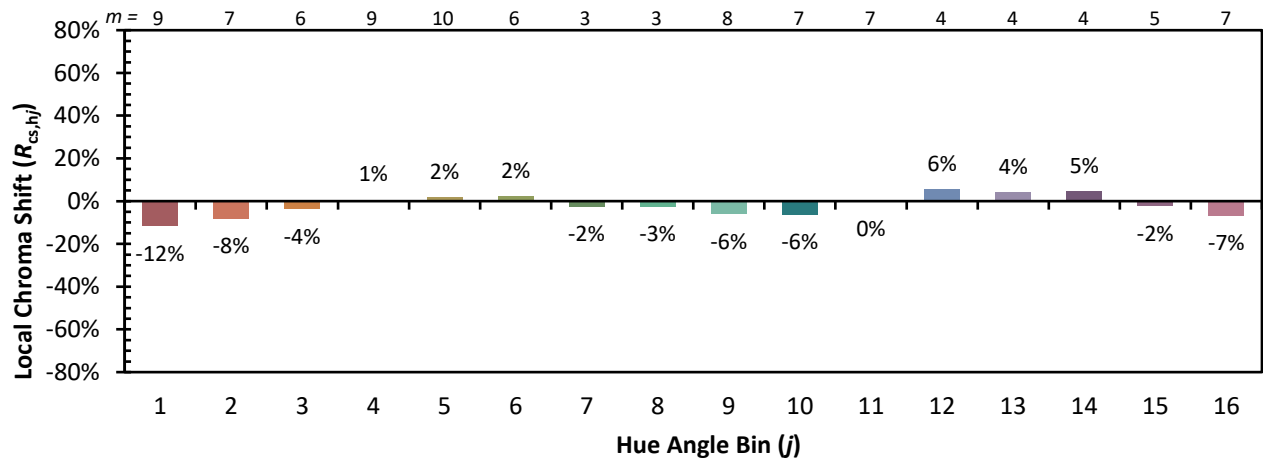


Individual Sample Fidelity Index ($R_{f,i}$)

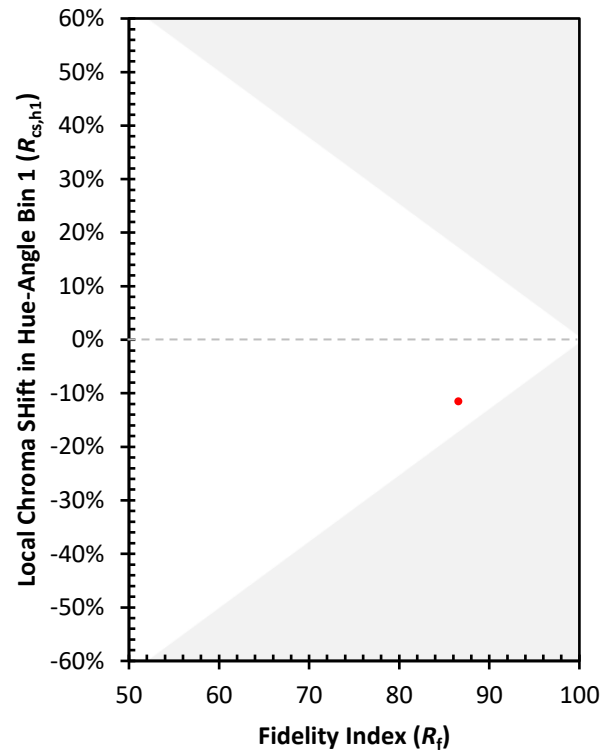
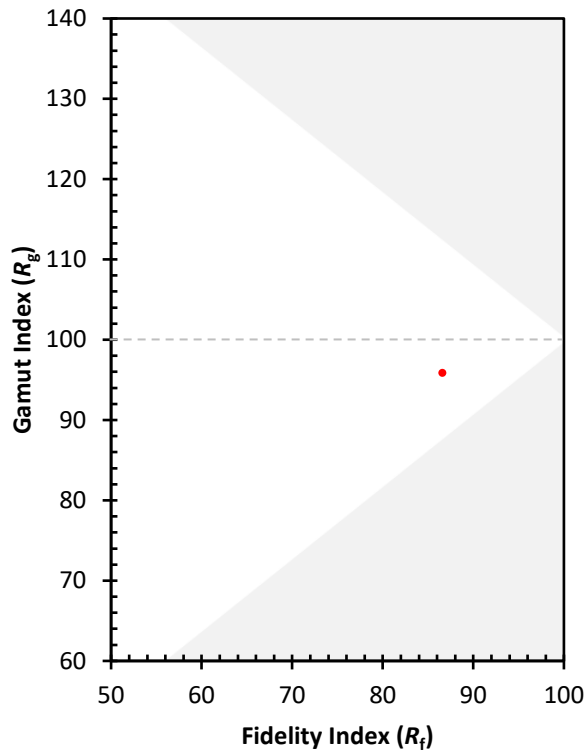
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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