

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: P1067625

Luminaire Tested: **NAV-SA6A-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067625
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6A-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 6xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18711.5 lumens
Efficiency: N/A
Efficacy: 115.8 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): 161.6
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

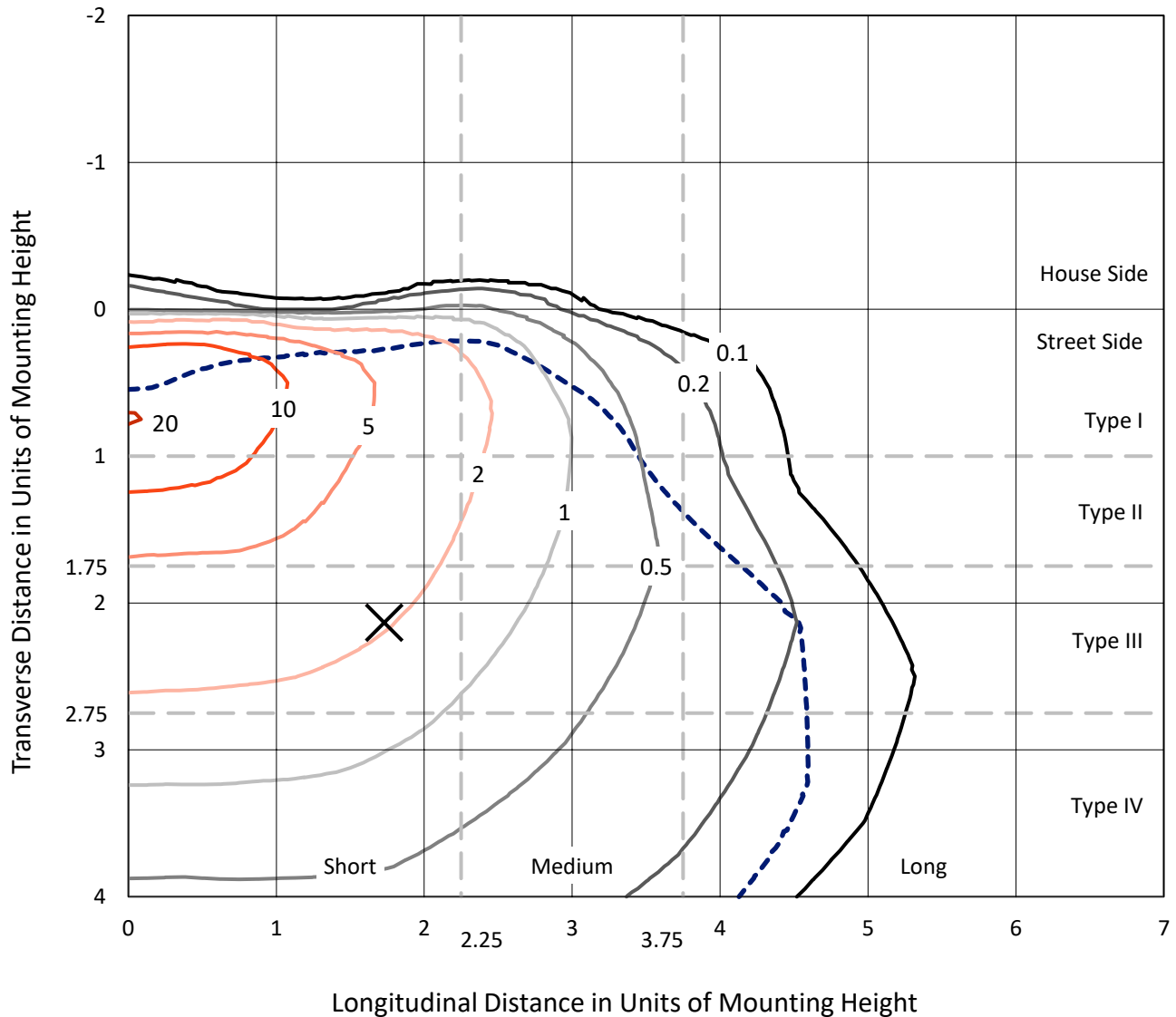


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

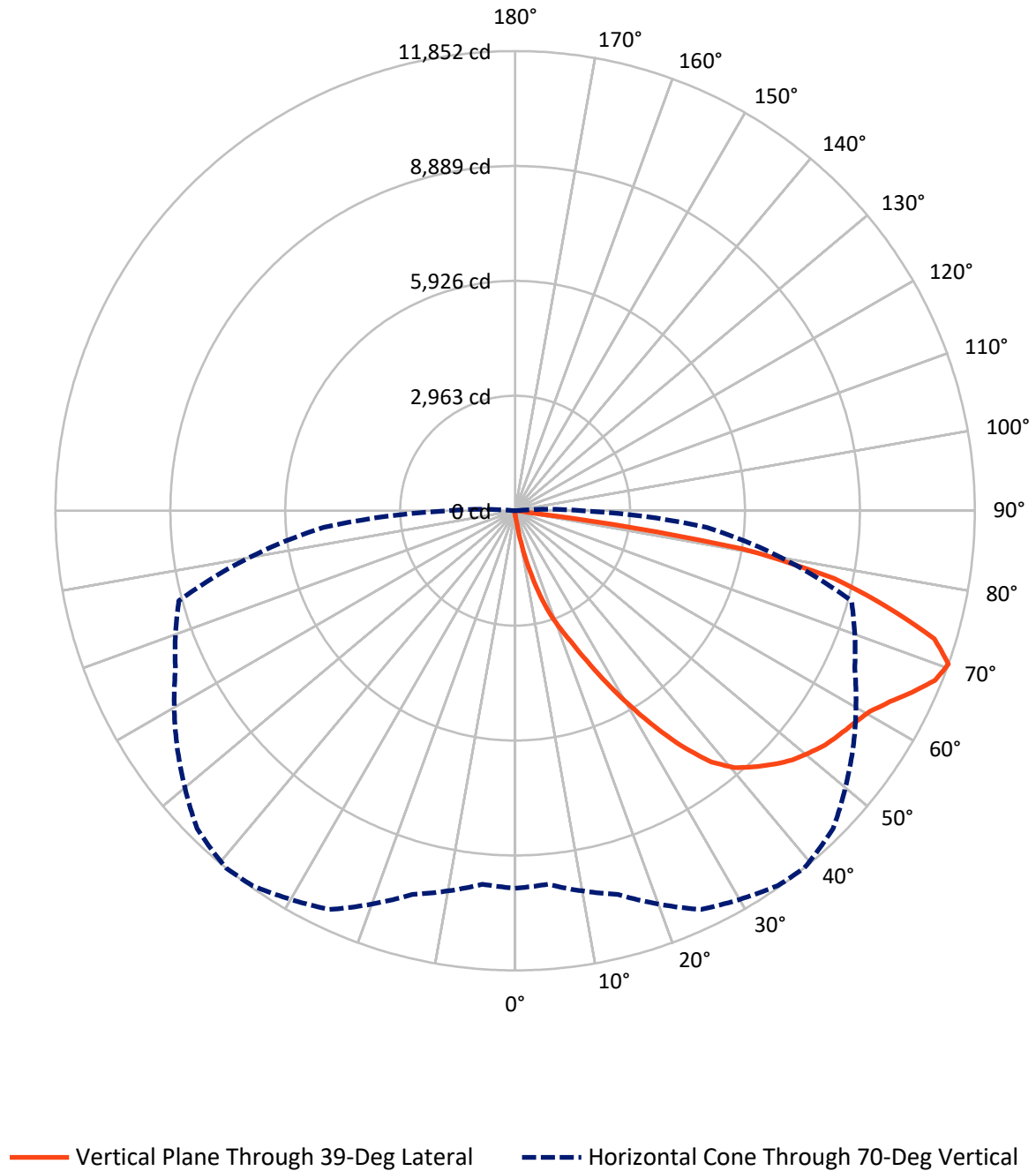


Based on 15 foot mounting height. Maximum calculated value = 20.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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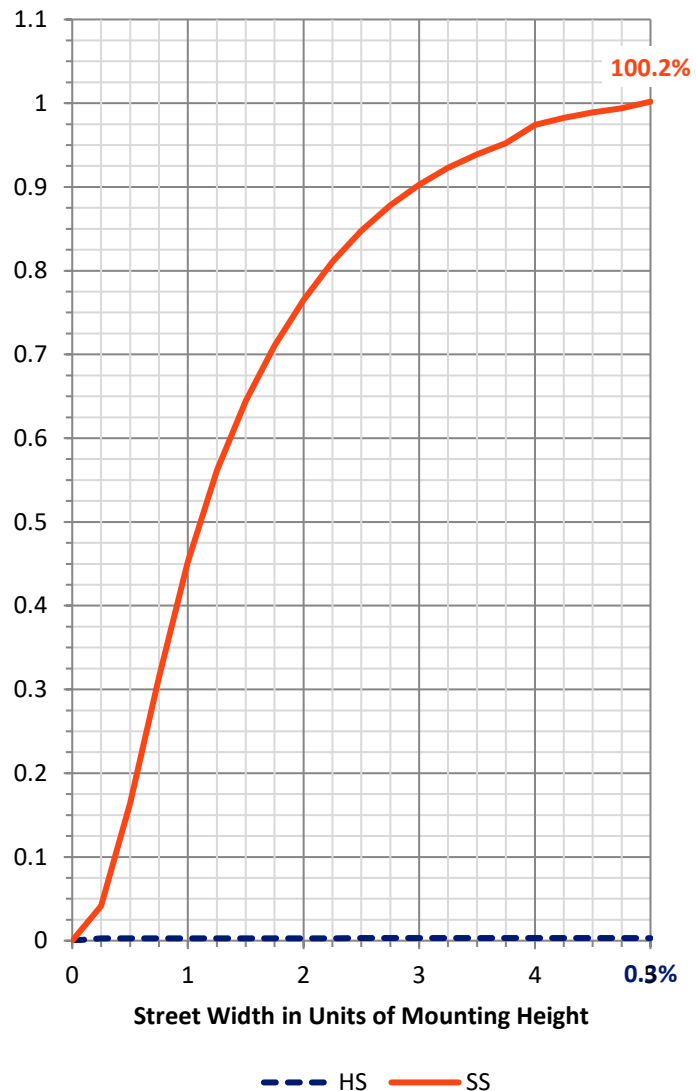
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.6	0.0	57.6
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	18653.8	0.0	18653.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	18711.5	0.0	18711.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.1
10°-20°	230.0	1.2
20°-30°	780.6	4.2
30°-40°	1834.6	9.8
40°-50°	2979.0	15.9
50°-60°	3775.0	20.2
60°-70°	4795.2	25.6
70°-80°	3896.1	20.8
80°-90°	401.2	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°	18711.5	100.0
0°-180°	18711.5	100.0



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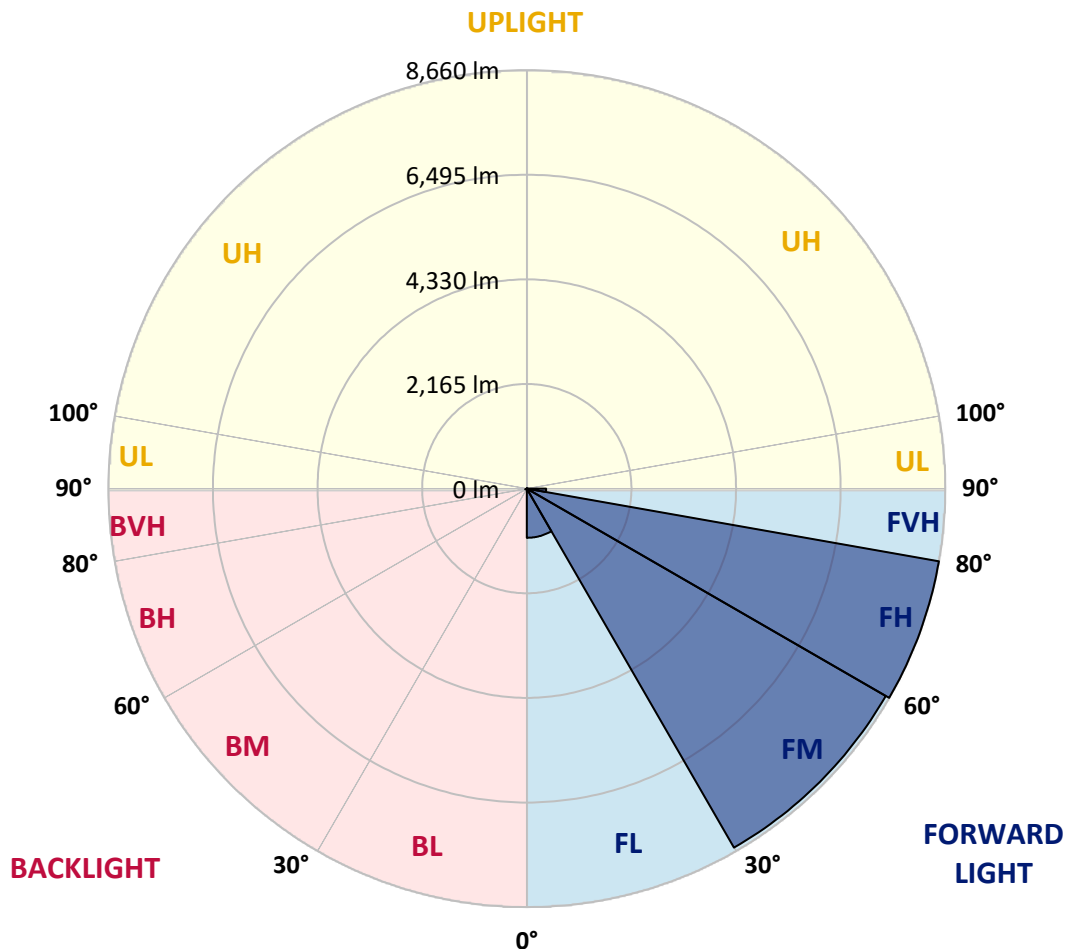
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1017.9	5.4			
FM	(30°-60°)	8577.5	45.8			
FH	(60°-80°)	8659.7	46.3			G4/12000
FVH	(80°-90°)	398.8	2.1			G3/500
BL	(0°-30°)	12.5	0.1	B0/110		
BM	(30°-60°)	11.1	0.1	B0/220		
BH	(60°-80°)	31.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6
2.5°	132.1	132.1	132.1	127.0	127.0	121.9	121.9	116.8	111.8	111.8	106.7
5°	248.9	254.0	238.8	208.3	188.0	177.8	167.6	142.2	127.0	116.8	106.7
7.5°	680.7	660.4	629.9	528.3	406.4	345.4	294.6	208.3	152.4	121.9	106.7
10°	1432.6	1376.7	1290.3	1153.2	914.4	817.9	635.0	381.0	213.4	137.2	106.7
12.5°	2103.2	2113.3	2006.6	1874.6	1585.0	1422.4	1173.5	716.3	335.3	162.6	106.7
15°	2611.2	2601.0	2560.4	2453.7	2194.6	2037.1	1813.6	1204.0	563.9	203.2	111.8
17.5°	3012.5	2971.9	2956.6	2910.9	2743.3	2656.9	2413.0	1773.0	894.1	274.3	116.8
20°	3413.8	3403.7	3388.4	3337.6	3225.9	3164.9	2976.9	2347.0	1331.0	391.2	127.0
22.5°	3998.0	3942.2	3952.3	3840.6	3749.1	3642.4	3490.0	2956.6	1833.9	558.8	142.2
25°	4683.9	4678.8	4597.5	4546.7	4394.3	4277.4	4074.2	3545.9	2392.7	807.7	157.5
27.5°	5491.6	5435.7	5400.1	5313.8	5156.3	5024.2	4744.8	4130.1	2997.3	1087.1	177.8
30°	6334.9	6334.9	6268.8	6136.8	5984.4	5821.8	5537.3	4744.8	3596.7	1442.7	203.2
32.5°	7320.4	7340.7	7178.2	6980.1	6781.9	6670.2	6299.3	5440.8	4170.8	1849.2	233.7
35°	8275.5	8250.1	7980.8	7762.4	7615.1	7493.1	7178.2	6202.8	4821.0	2321.6	274.3
37.5°	9189.9	9123.9	8676.8	8366.9	8300.9	8219.6	7904.6	6964.8	5466.2	2844.9	325.1
40°	9845.2	9743.6	9281.3	8854.6	8758.1	8712.4	8468.5	7655.7	6146.9	3429.1	391.2
42.5°	10129.7	10012.9	9692.8	9347.4	9134.0	9027.3	8814.0	8219.6	6827.7	4079.3	487.7
45°	10185.6	10094.2	9865.6	9784.3	9494.7	9332.1	9042.6	8620.9	7462.7	4724.5	619.8
47.5°	9982.4	9941.8	9804.6	9977.3	9830.0	9606.5	9255.9	8920.7	8026.6	5506.8	802.7
50°	9484.5	9454.1	9520.1	9972.2	10073.8	9819.8	9489.6	9154.3	8514.2	6314.6	1061.7
52.5°	8814.0	8808.9	9118.8	9840.2	10180.5	10023.0	9718.2	9388.0	8900.3	7096.9	1427.5
55°	8082.4	8168.8	8712.4	9718.2	10241.5	10170.4	9941.8	9596.3	9245.8	7823.4	2016.8
57.5°	8021.5	7985.9	8509.2	9667.4	10277.0	10317.7	10165.3	9814.7	9540.4	8417.7	2804.2
60°	8631.1	8549.8	8747.9	9774.1	10434.5	10505.6	10388.8	9982.4	9835.1	8885.1	3840.6
62.5°	9337.2	9261.0	9362.6	10185.6	10744.4	10846.0	10698.7	10155.1	10073.8	9210.2	4953.1
65°	9901.1	9840.2	10033.2	10800.3	11176.2	11262.6	11161.0	10475.2	10180.5	9474.4	5857.4
67.5°	9992.6	9916.4	10317.7	11211.8	11613.1	11674.1	11592.8	10785.0	10145.0	9494.7	6065.6
70°	9733.5	9667.4	10241.5	11343.9	11801.1	11851.9	11592.8	10637.7	9662.3	8976.5	4958.2
72.5°	8935.9	8986.7	9728.4	11023.8	11542.0	11308.3	10759.6	9896.0	9037.5	7610.0	3479.9
75°	7696.3	7752.2	8737.8	10145.0	10185.6	9901.1	9606.5	9103.5	8087.5	5014.1	2413.0
77.5°	5471.3	5273.1	6746.4	8377.1	8229.8	8412.6	8438.0	7574.4	6771.8	2611.2	1615.5
80°	538.5	457.2	848.4	2402.9	5308.7	5933.6	6177.4	5837.0	4993.7	1168.4	848.4
82.5°	116.8	116.8	127.0	137.2	213.4	320.0	1468.1	3596.7	3225.9	594.4	274.3
85°	66.0	66.0	81.3	96.5	127.0	142.2	167.6	223.5	868.7	213.4	50.8
87.5°	50.8	55.9	66.0	81.3	106.7	116.8	142.2	177.8	218.4	198.1	15.2
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°	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6
2.5°	106.7	101.6	96.5	91.4	86.4	86.4	81.3	81.3	81.3	81.3	81.3
5°	101.6	96.5	91.4	81.3	76.2	71.1	66.0	66.0	66.0	66.0	66.0
7.5°	101.6	96.5	86.4	76.2	66.0	61.0	55.9	50.8	50.8	55.9	55.9
10°	101.6	91.4	76.2	66.0	55.9	50.8	45.7	40.6	40.6	40.6	40.6
12.5°	96.5	86.4	71.1	61.0	50.8	40.6	30.5	25.4	25.4	25.4	25.4
15°	91.4	81.3	66.0	50.8	35.6	25.4	20.3	15.2	15.2	15.2	15.2
17.5°	91.4	76.2	61.0	45.7	25.4	15.2	10.2	5.1	5.1	5.1	10.2
20°	91.4	76.2	55.9	35.6	15.2	10.2	10.2	5.1	0.0	5.1	5.1
22.5°	91.4	71.1	45.7	25.4	15.2	10.2	5.1	0.0	0.0	0.0	0.0
25°	96.5	71.1	40.6	20.3	10.2	5.1	0.0	0.0	0.0	0.0	0.0
27.5°	96.5	66.0	35.6	15.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0
30°	101.6	66.0	30.5	10.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	101.6	61.0	20.3	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	101.6	55.9	15.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	101.6	50.8	15.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	106.7	45.7	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	111.8	40.6	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	116.8	35.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	132.1	35.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	152.4	35.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	182.9	35.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	238.8	30.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	345.4	30.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	579.1	30.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1016.0	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1717.1	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2240.3	35.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1701.8	30.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	812.8	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	360.7	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	157.5	15.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	61.0	10.2	5.1	5.1	5.1	5.1	0.0	0.0	0.0	0.0	0.0
82.5°	25.4	10.2	5.1	5.1	5.1	5.1	5.1	0.0	0.0	0.0	0.0
85°	15.2	10.2	10.2	10.2	5.1	5.1	5.1	0.0	0.0	0.0	0.0
87.5°	10.2	10.2	10.2	10.2	10.2	5.1	5.1	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

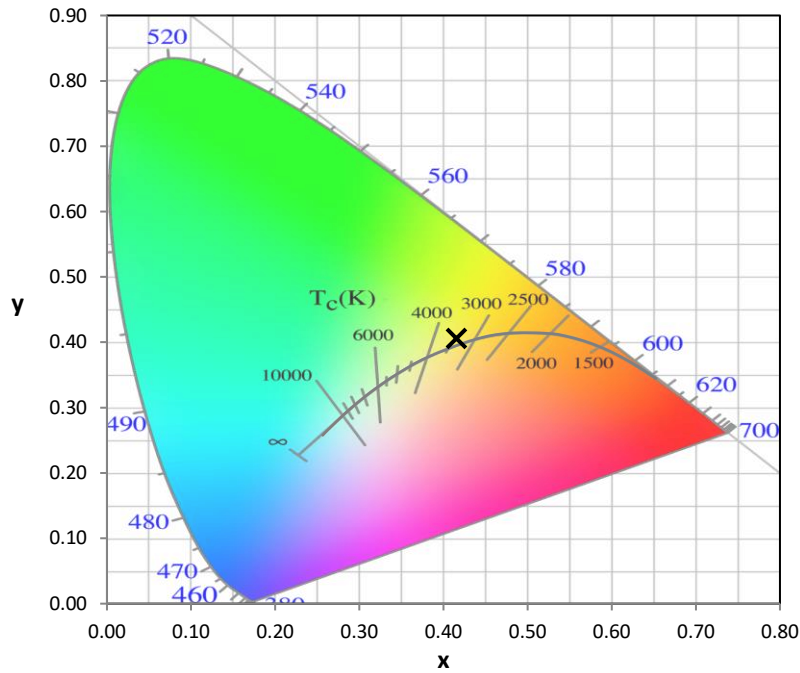
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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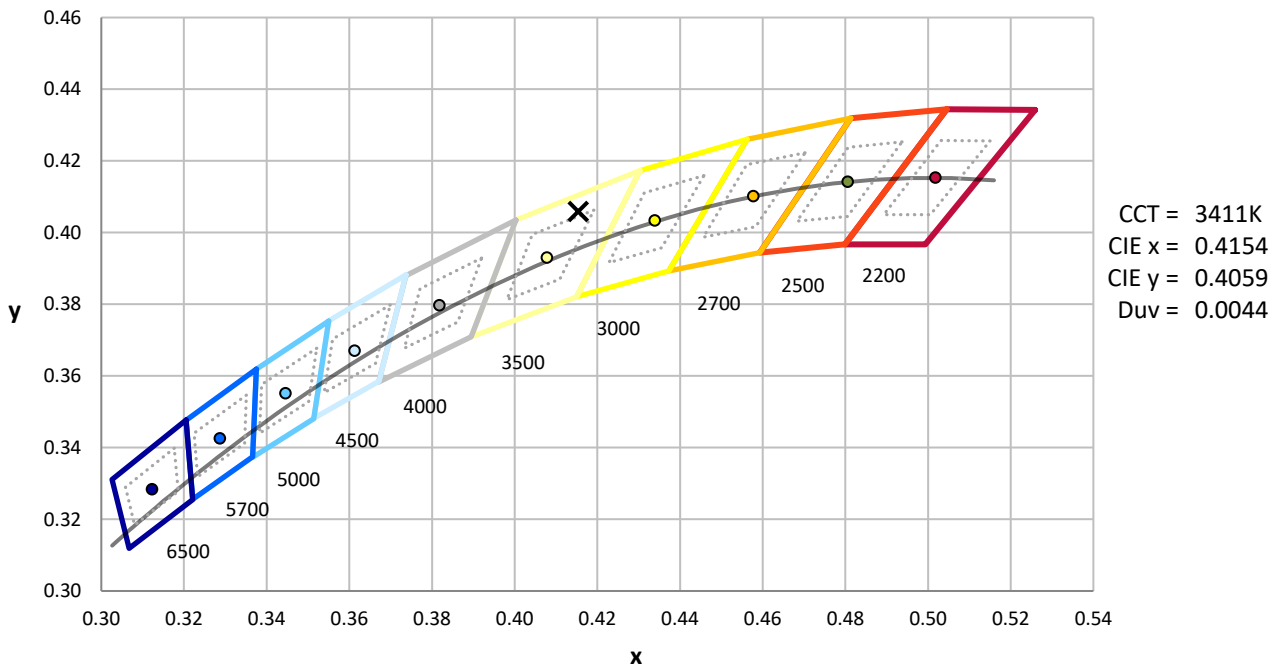
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



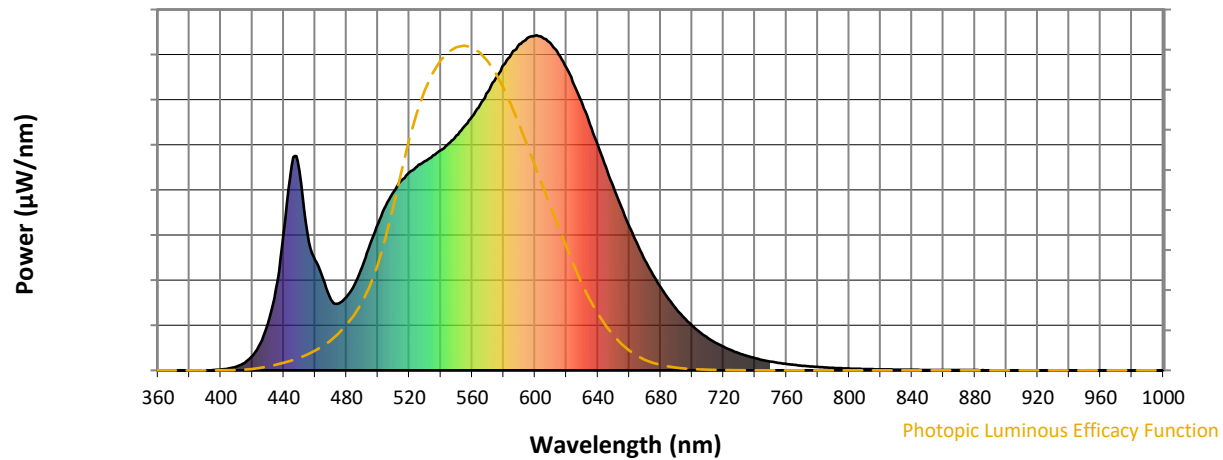
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

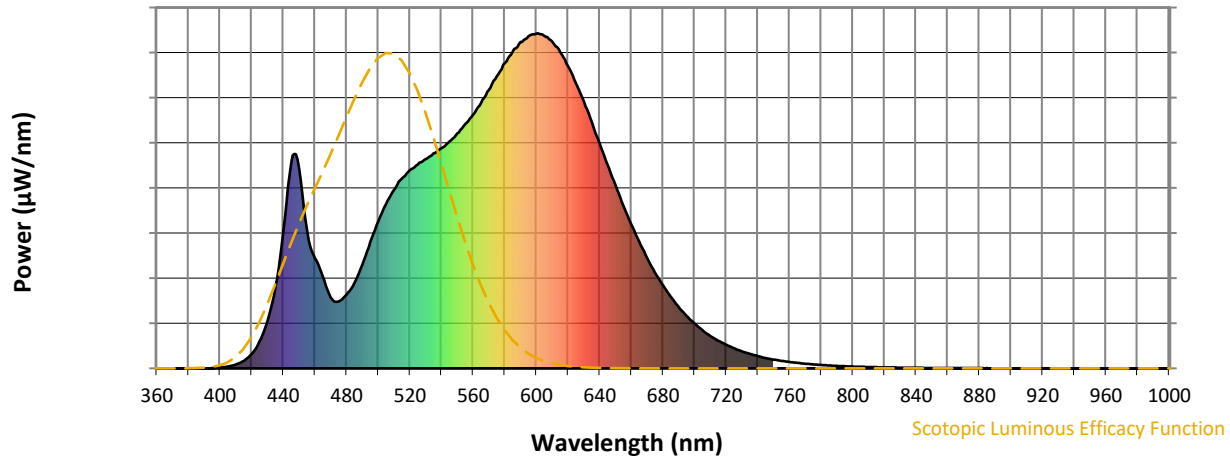


Photopic Lumens: NR

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



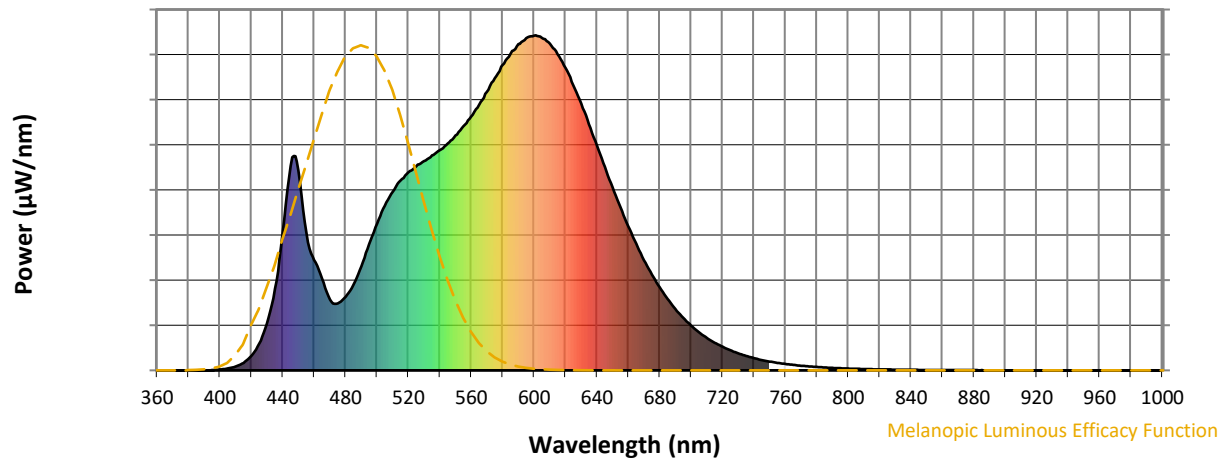
Scotopic Lumens: NR

S/P: 1.48

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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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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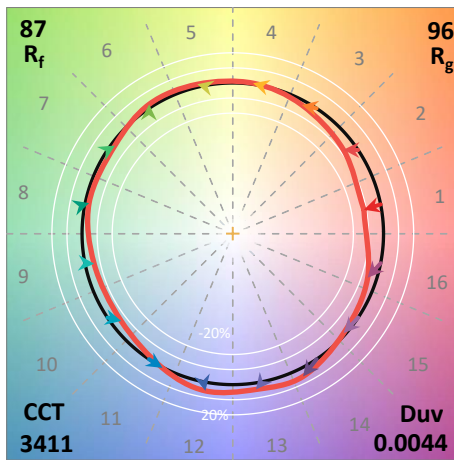
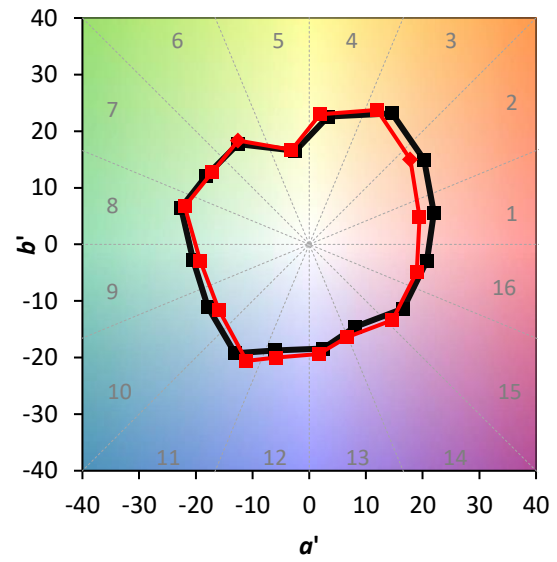
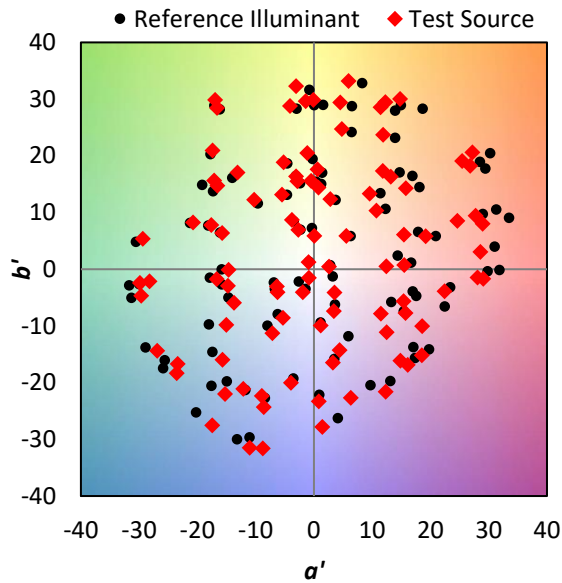
TM-30-18

Summary

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



Color Vector Graphics

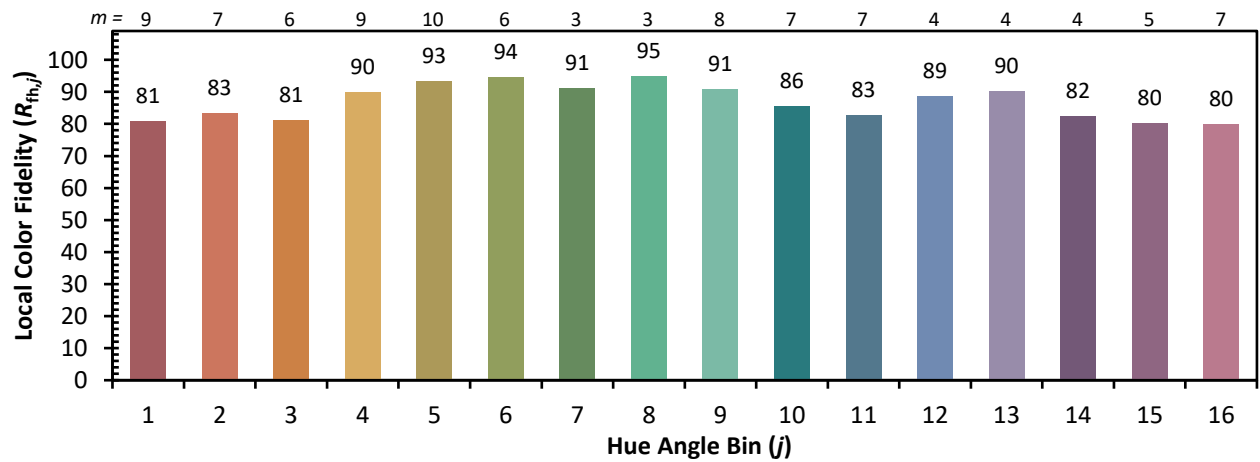
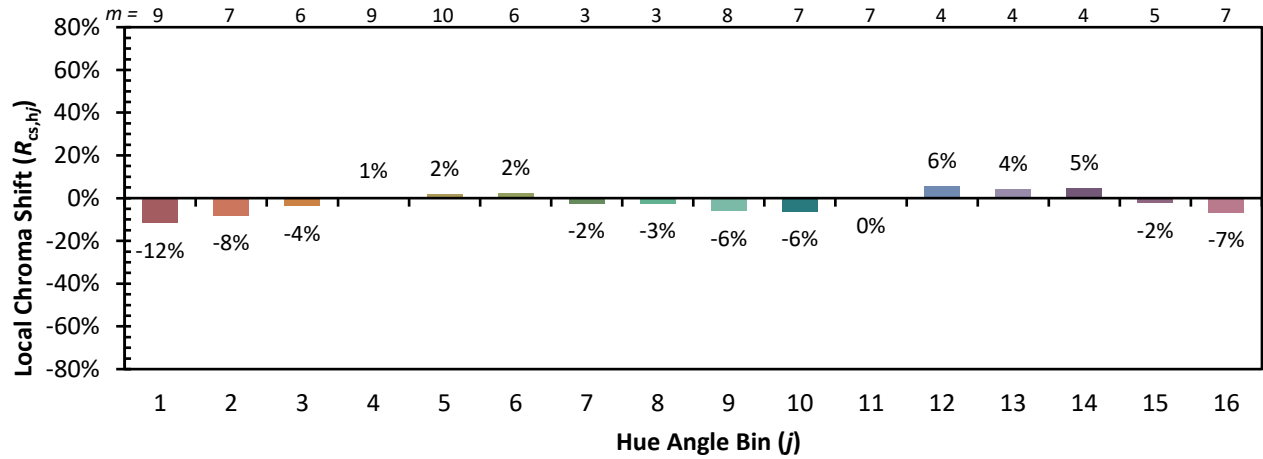


Individual Sample Fidelity Index ($R_{f,i}$)

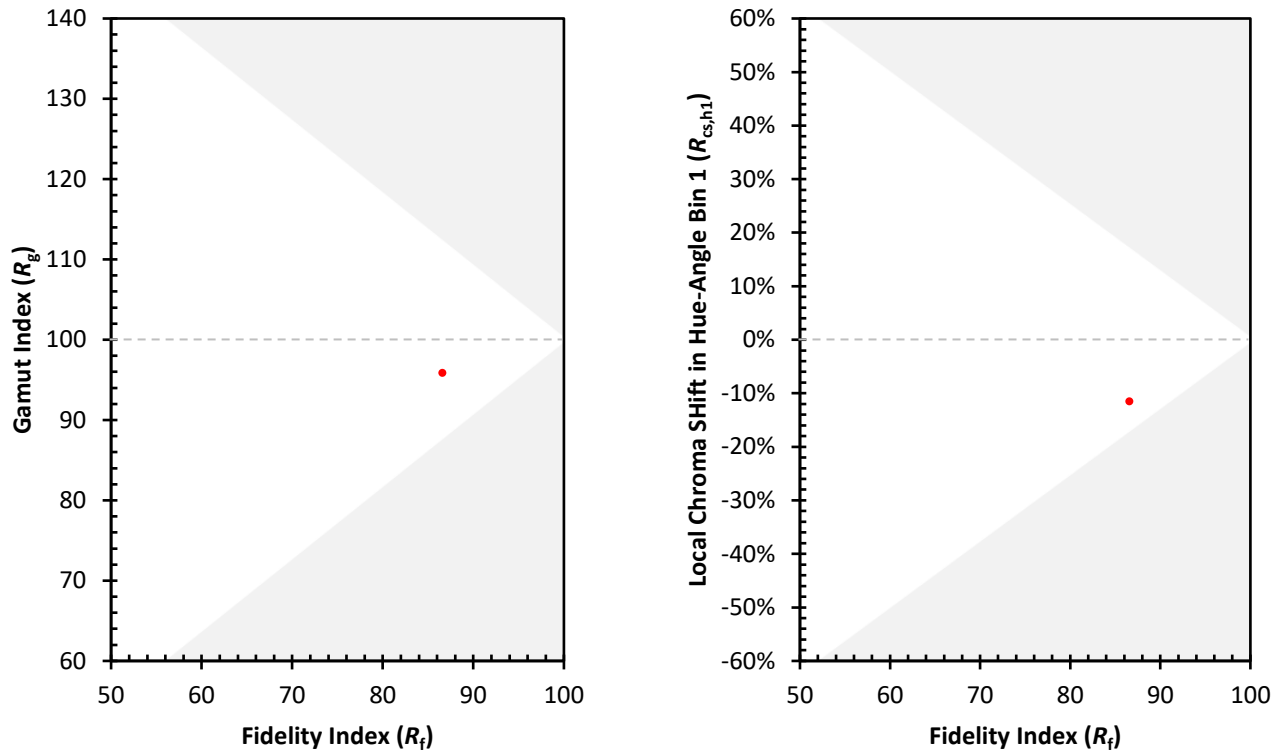
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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