

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: P1067369

Luminaire Tested: **NAV-SA2A-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067369
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2A-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (28) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6220.5 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.3
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

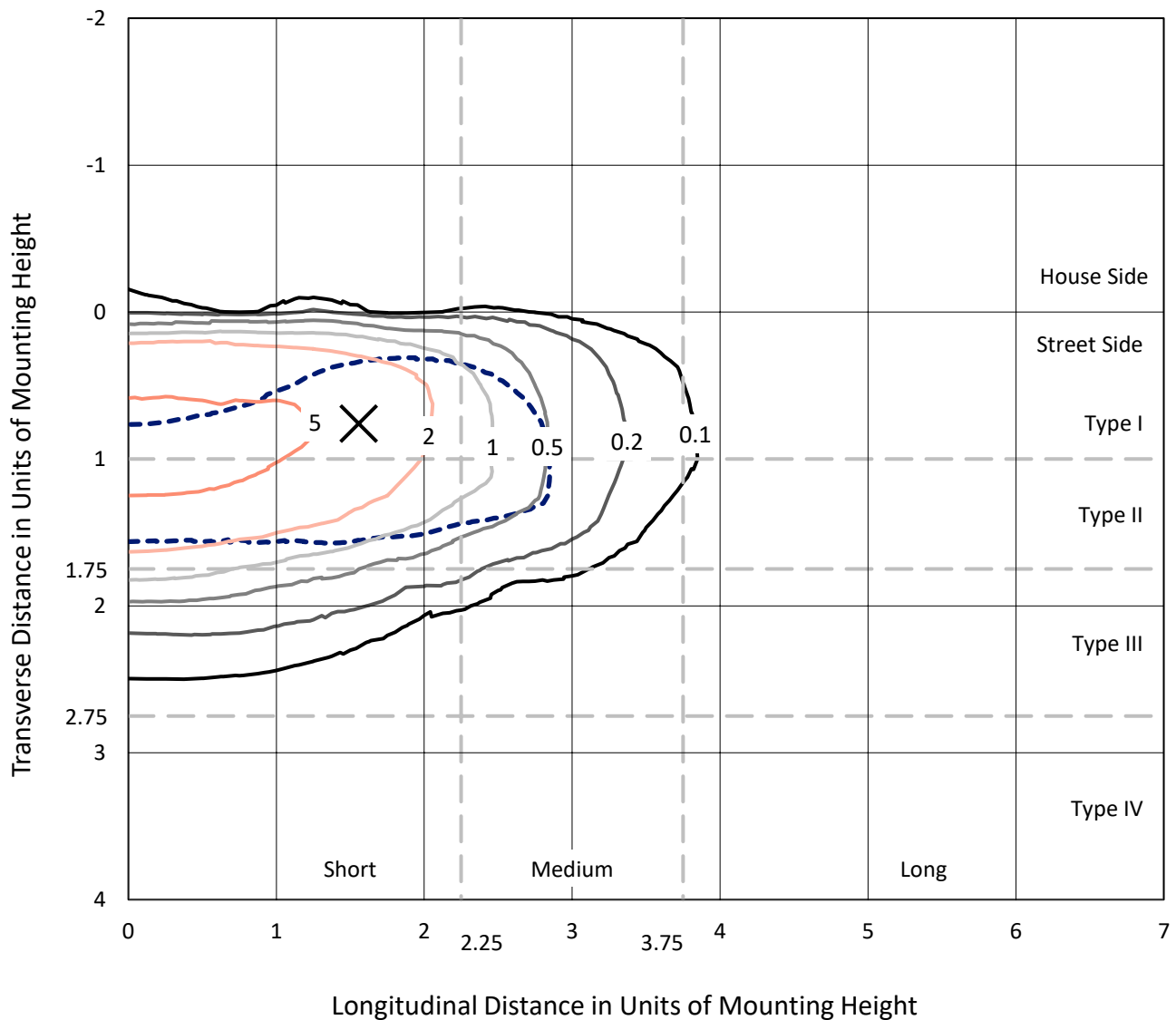


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

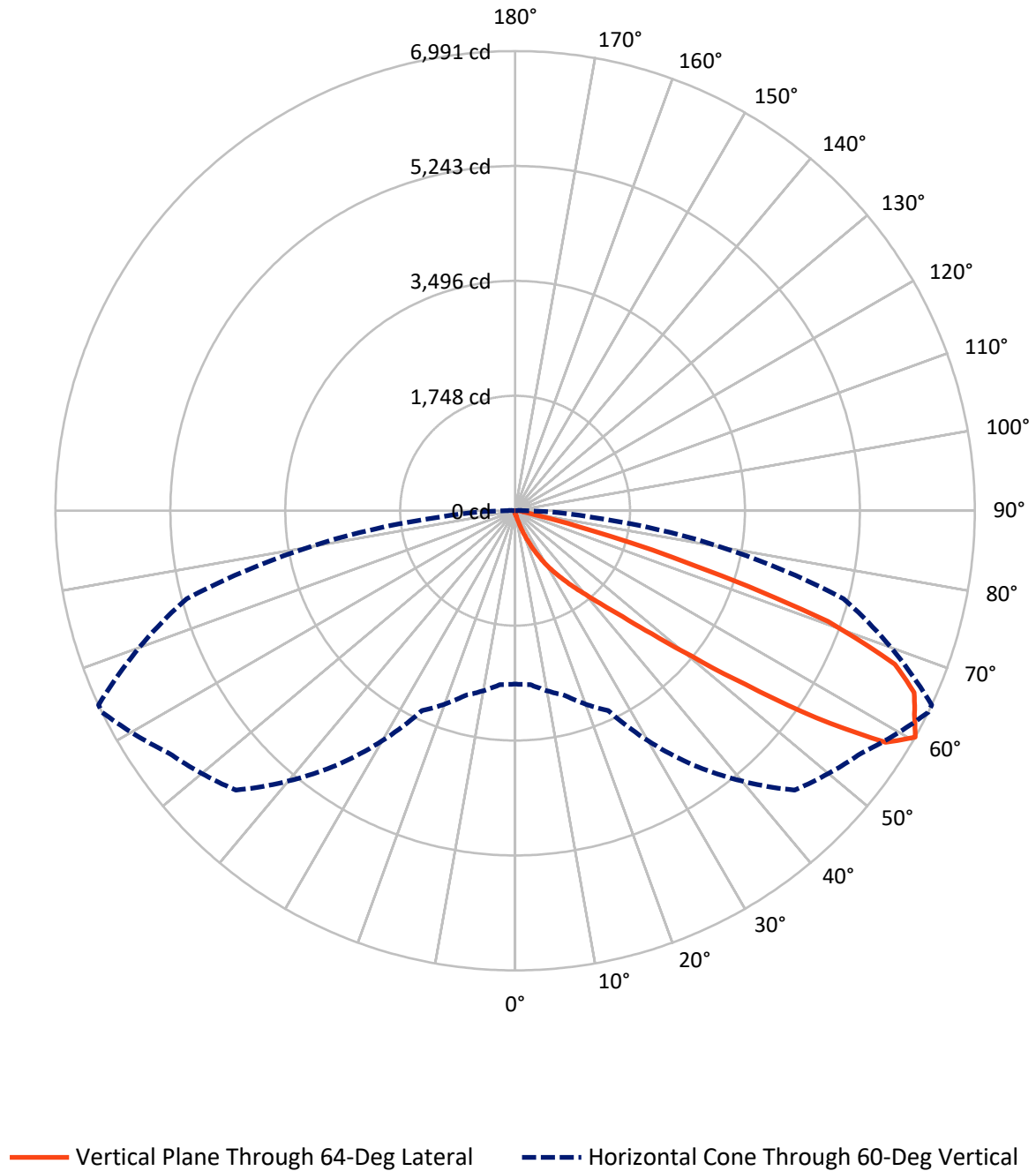


Based on 15 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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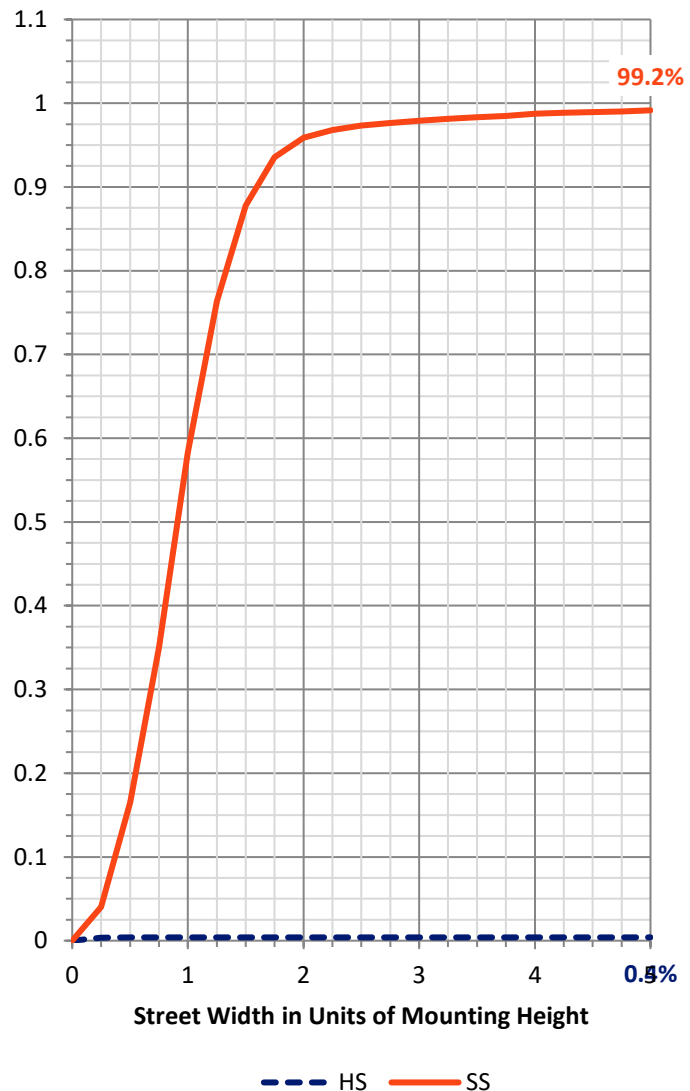
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.2	0.0	25.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6195.3	0.0	6195.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	6220.5	0.0	6220.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	61.1	1.0
20°-30°	203.0	3.3
30°-40°	541.7	8.7
40°-50°	1376.9	22.1
50°-60°	2007.3	32.3
60°-70°	1550.4	24.9
70°-80°	425.8	6.8
80°-90°	48.1	0.8
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°	6220.5	100.0
0°-180°	6220.5	100.0



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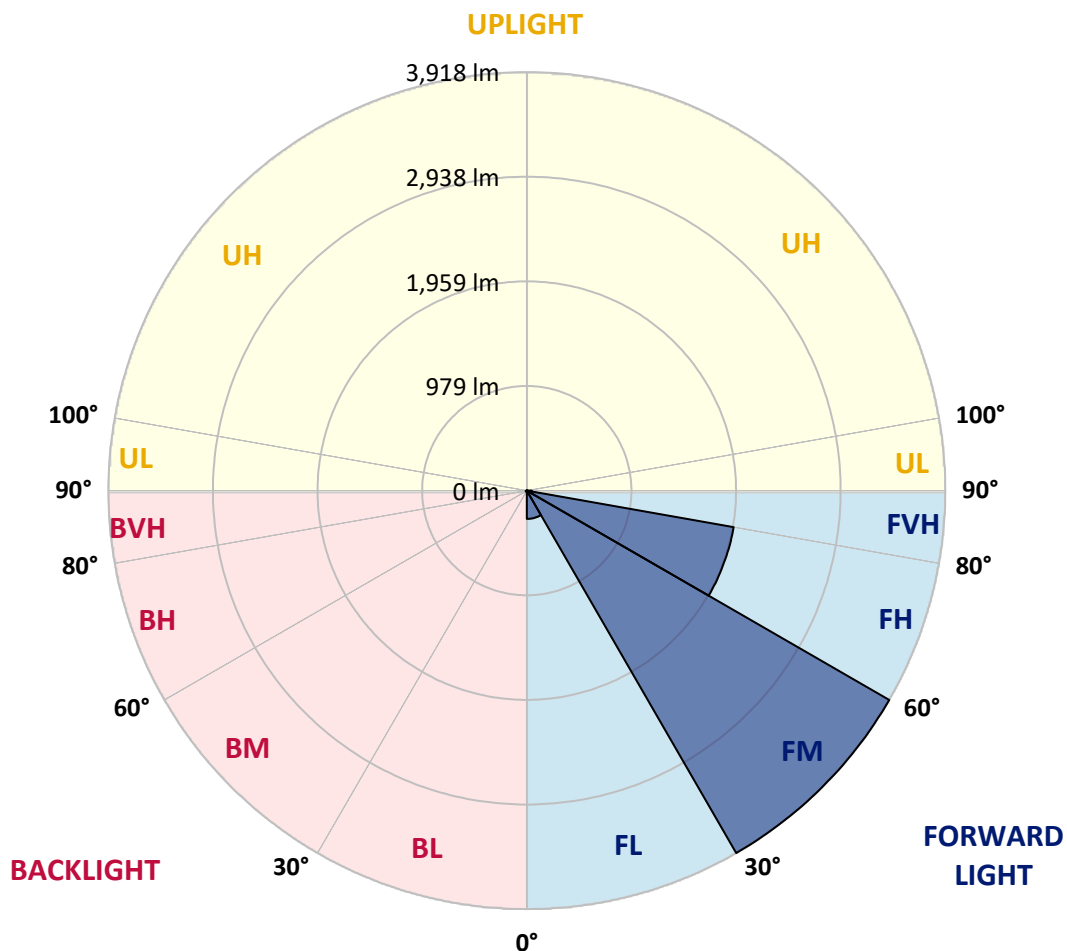
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.7	4.3			
FM	(30°-60°)	3917.6	63.0			
FH	(60°-80°)	1966.1	31.6			G2/5000
FVH	(80°-90°)	46.9	0.8			G1/100
BL	(0°-30°)	5.7	0.1	B0/110		
BM	(30°-60°)	8.4	0.1	B0/220		
BH	(60°-80°)	10.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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 II Short



REPORT NUMBER: P1067369

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	54.8	54.8	54.8	53.1	51.4	51.4	49.7	47.9	47.9	44.5	42.8
5°	83.9	83.9	80.5	77.1	71.9	65.1	58.2	53.1	53.1	47.9	44.5
7.5°	164.4	169.5	154.1	135.3	109.6	92.5	73.6	61.6	59.9	51.4	44.5
10°	356.2	352.7	328.8	282.5	222.6	161.0	102.7	75.3	71.9	54.8	44.5
12.5°	535.9	541.1	515.4	464.0	392.1	286.0	176.4	97.6	94.2	59.9	44.5
15°	690.1	690.1	672.9	647.2	568.5	457.2	284.2	145.5	133.6	65.1	42.8
17.5°	796.2	794.5	787.7	780.8	734.6	619.9	434.9	232.9	205.5	77.1	42.8
20°	916.1	910.9	919.5	905.8	869.8	779.1	594.2	345.9	320.2	97.6	42.8
22.5°	1041.1	1046.2	1053.1	1039.4	1000.0	921.2	762.0	491.4	464.0	135.3	44.5
25°	1200.3	1196.9	1212.3	1200.3	1150.7	1058.2	919.5	650.7	611.3	188.4	47.9
27.5°	1395.5	1388.7	1398.9	1368.1	1303.1	1208.9	1059.9	813.3	767.1	270.5	54.8
30°	1654.1	1659.2	1613.0	1577.0	1484.6	1359.6	1215.7	988.0	940.1	368.1	61.6
32.5°	2061.6	2025.6	1953.7	1808.2	1686.6	1527.4	1371.6	1140.4	1097.6	493.1	71.9
35°	2696.9	2703.7	2546.2	2186.6	1922.9	1738.0	1542.8	1308.2	1277.4	635.3	85.6
37.5°	3470.8	3452.0	3313.3	2859.5	2268.8	2000.0	1738.0	1491.4	1446.9	789.4	102.7
40°	4347.5	4268.8	4188.3	3880.1	2989.7	2328.7	1984.6	1703.7	1669.5	967.4	130.1
42.5°	5049.6	5029.0	5042.7	4914.3	4191.7	2888.6	2311.6	1964.0	1922.9	1188.3	178.1
45°	5395.4	5366.3	5448.5	5544.4	5359.5	4080.4	2839.0	2296.2	2241.4	1448.6	251.7
47.5°	5303.0	5282.4	5458.8	5647.2	5893.7	5462.2	3700.3	2792.8	2698.6	1782.5	361.3
50°	4847.5	4849.2	5138.6	5489.6	5880.0	6162.6	4975.9	3472.5	3354.4	2226.0	532.5
52.5°	4404.0	4417.7	4724.2	5236.2	5676.3	6244.7	6095.8	4388.6	4196.8	2748.2	734.6
55°	3948.6	3955.4	4226.0	4946.8	5580.4	5999.9	6671.1	5568.4	5364.6	3398.9	931.5
57.5°	3510.2	3510.2	3611.2	4251.6	5475.9	5977.6	6602.6	6647.1	6481.0	4142.0	1077.0
60°	2636.9	2654.1	2905.8	3354.4	4722.5	6010.2	6428.0	6991.3	6991.3	5172.9	1188.3
62.5°	1332.2	1357.9	1671.2	2107.8	3239.7	5561.5	6455.4	6818.4	6845.8	6082.1	1441.8
65°	625.0	654.1	821.9	1130.1	1743.1	3914.3	6171.1	6671.1	6662.5	5909.1	1976.0
67.5°	448.6	457.2	513.7	659.2	938.3	1715.7	4710.5	6231.1	6234.5	5020.5	2272.2
70°	402.4	402.4	416.1	458.9	565.1	767.1	2289.3	5046.1	5291.0	3876.6	2106.1
72.5°	397.3	393.8	390.4	392.1	381.8	385.3	785.9	2849.3	3198.6	2712.3	1679.8
75°	387.0	387.0	383.6	371.6	304.8	248.3	270.5	1152.4	1332.2	1811.6	1246.6
77.5°	306.5	337.3	373.3	351.0	279.1	186.6	157.5	333.9	421.2	1111.3	904.1
80°	142.1	143.8	142.1	149.0	178.1	133.6	116.4	162.7	164.4	616.4	559.9
82.5°	102.7	104.5	99.3	89.0	78.8	71.9	95.9	119.9	128.4	282.5	208.9
85°	30.8	29.1	34.2	46.2	54.8	63.4	80.5	101.0	106.2	104.5	30.8
87.5°	13.7	13.7	17.1	24.0	32.5	47.9	70.2	92.5	94.2	107.9	8.6
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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CATALOG NUMBER: NAV-SA2A-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
2.5°	42.8	41.1	39.4	37.7	36.0	34.2	32.5	32.5	34.2	34.2	34.2
5°	41.1	39.4	36.0	32.5	30.8	29.1	27.4	27.4	29.1	29.1	29.1
7.5°	41.1	37.7	34.2	30.8	27.4	25.7	24.0	24.0	24.0	25.7	25.7
10°	41.1	37.7	32.5	27.4	24.0	22.3	20.5	18.8	20.5	20.5	20.5
12.5°	39.4	36.0	30.8	25.7	20.5	17.1	15.4	15.4	15.4	15.4	15.4
15°	37.7	34.2	29.1	22.3	17.1	13.7	10.3	10.3	10.3	12.0	12.0
17.5°	36.0	32.5	25.7	17.1	12.0	8.6	6.8	6.8	6.8	8.6	8.6
20°	36.0	30.8	22.3	13.7	8.6	5.1	3.4	3.4	3.4	5.1	6.8
22.5°	36.0	30.8	20.5	10.3	5.1	3.4	1.7	1.7	1.7	1.7	1.7
25°	36.0	29.1	18.8	8.6	3.4	1.7	0.0	0.0	1.7	3.4	5.1
27.5°	36.0	27.4	15.4	5.1	3.4	1.7	0.0	1.7	3.4	3.4	3.4
30°	36.0	27.4	13.7	5.1	1.7	0.0	0.0	1.7	3.4	3.4	5.1
32.5°	37.7	25.7	12.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	39.4	24.0	10.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	42.8	24.0	6.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	47.9	25.7	6.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	59.9	27.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	83.9	34.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	123.3	51.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	179.8	70.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	220.9	70.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	219.2	44.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	167.8	30.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	142.1	22.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	171.2	17.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	304.8	15.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	489.7	15.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	547.9	15.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	428.1	13.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	234.6	12.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	118.1	8.6	3.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	49.7	6.8	3.4	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
82.5°	17.1	6.8	3.4	3.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0
85°	8.6	5.1	5.1	3.4	3.4	1.7	1.7	0.0	0.0	0.0	0.0
87.5°	5.1	5.1	5.1	3.4	3.4	1.7	1.7	0.0	0.0	0.0	1.7
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

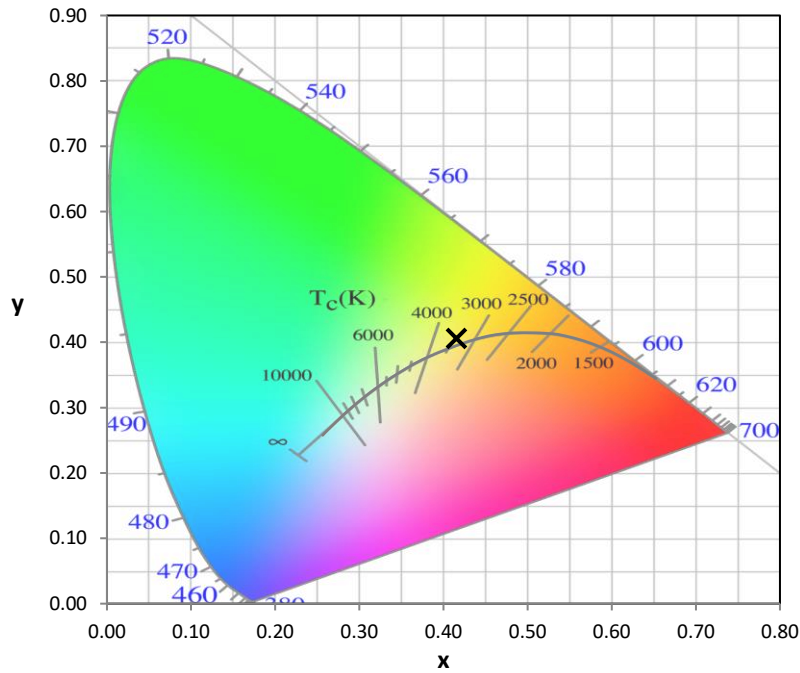
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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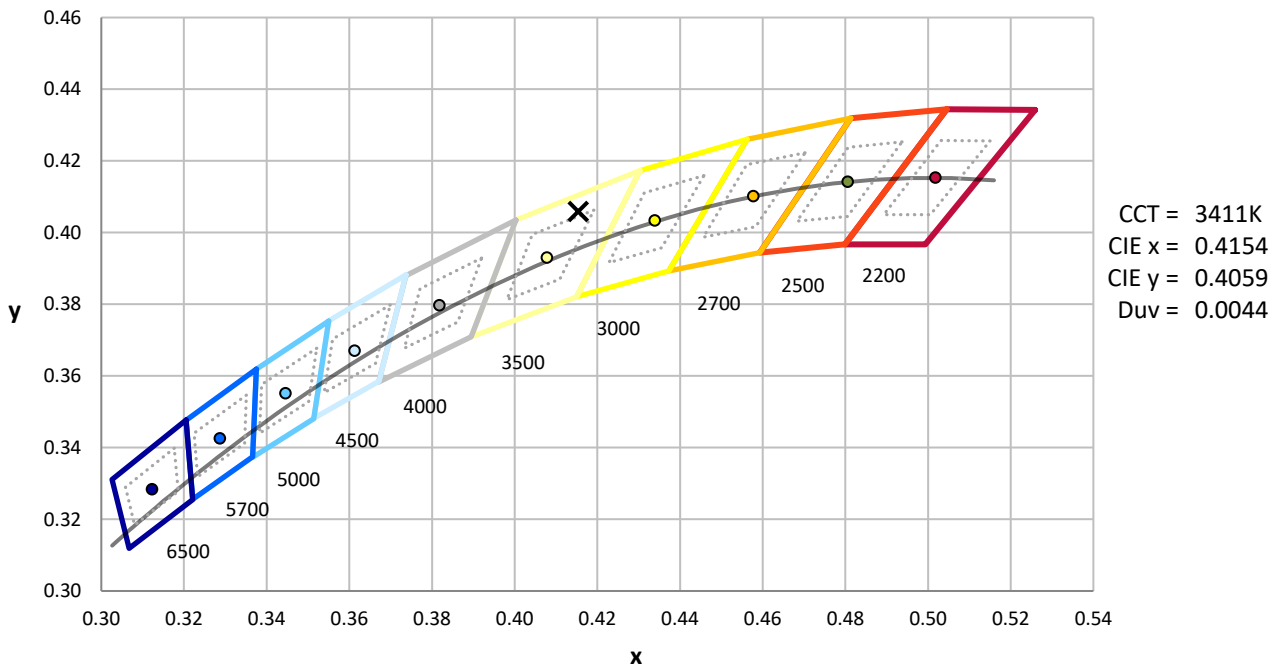
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



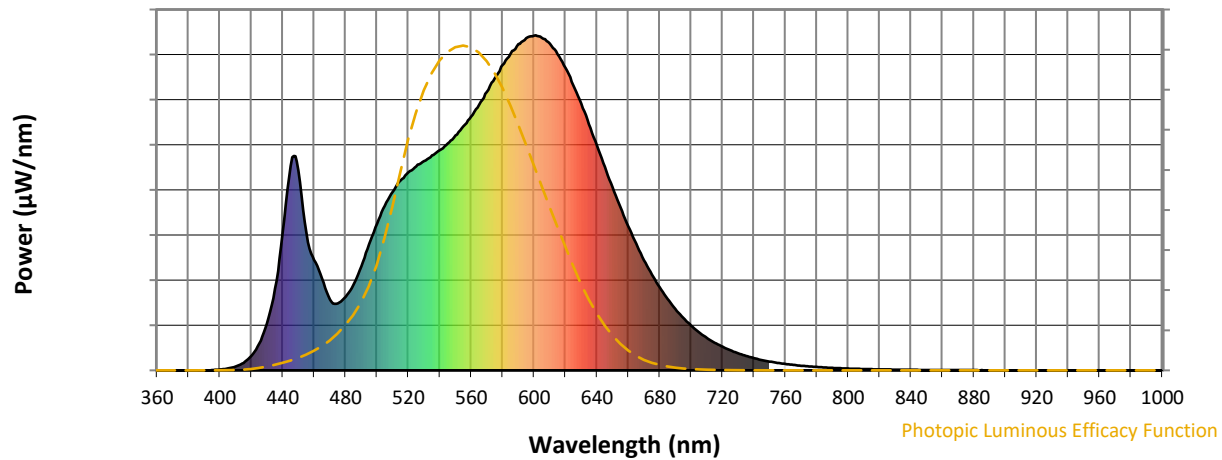
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

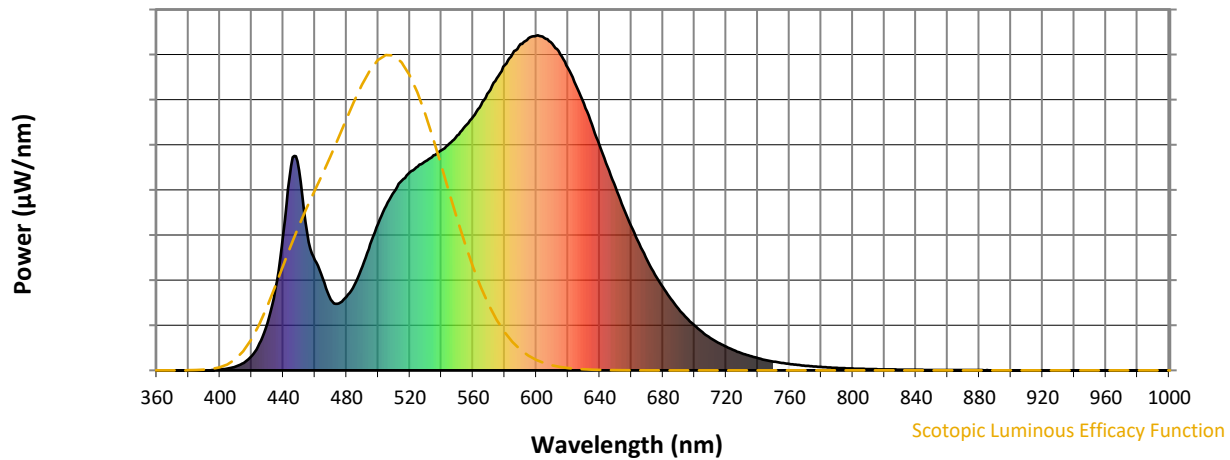


Photopic Lumens: NR

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



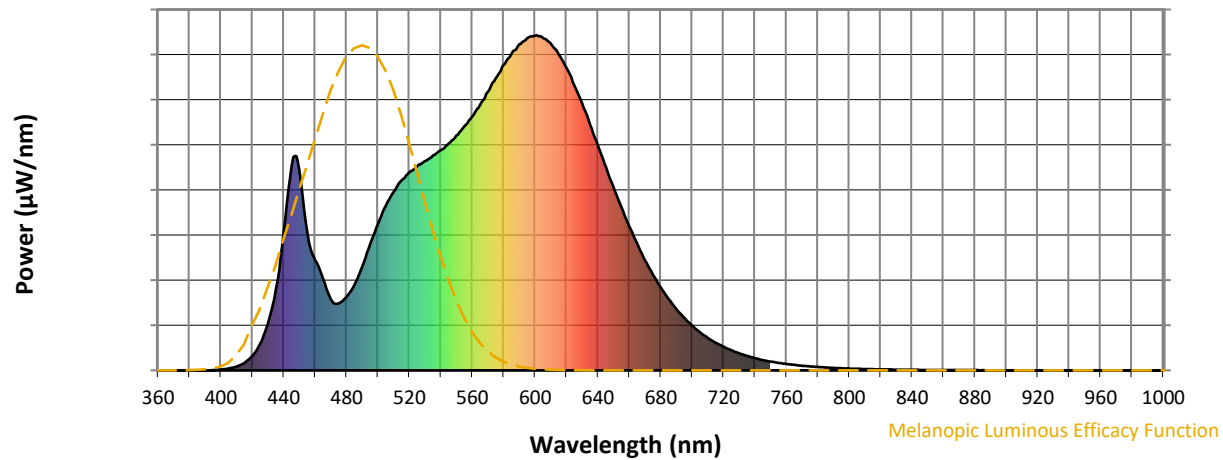
Scotopic Lumens: NR

S/P: 1.48

λ (nm)	Power W ^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			

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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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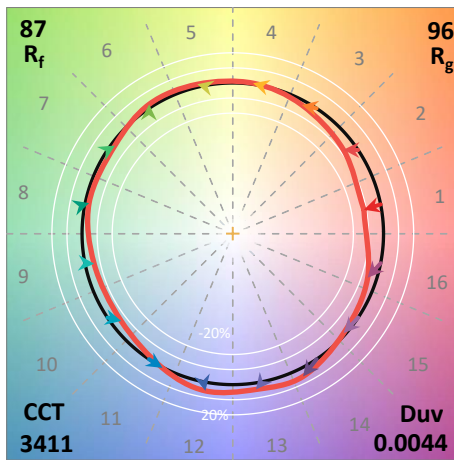
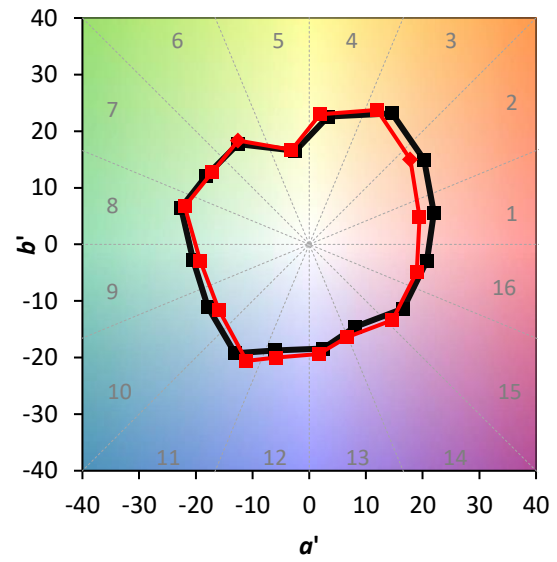
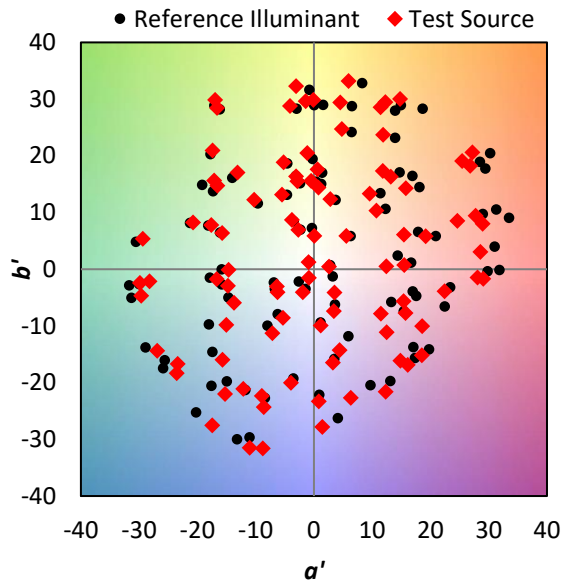
TM-30-18

Summary

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



Color Vector Graphics

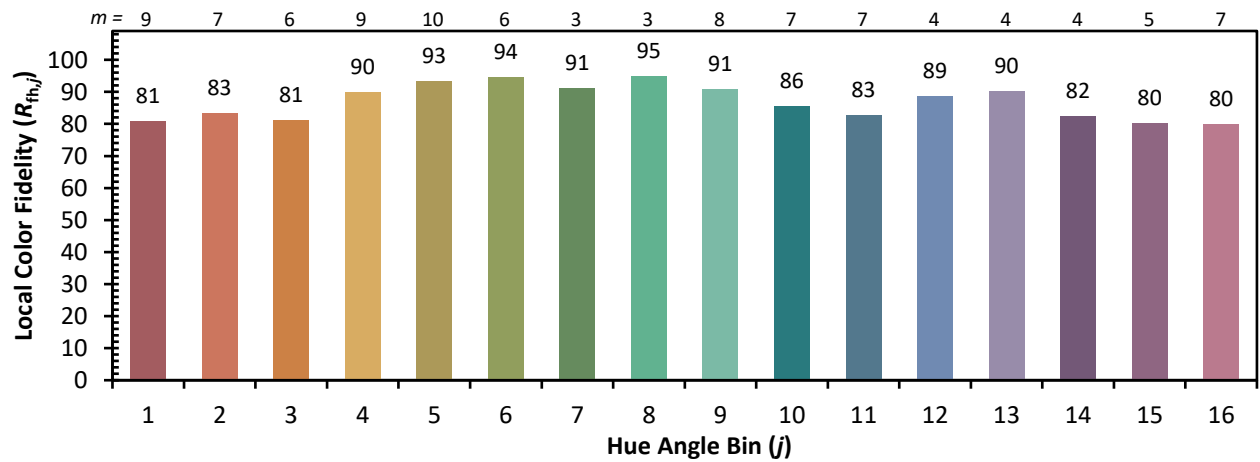
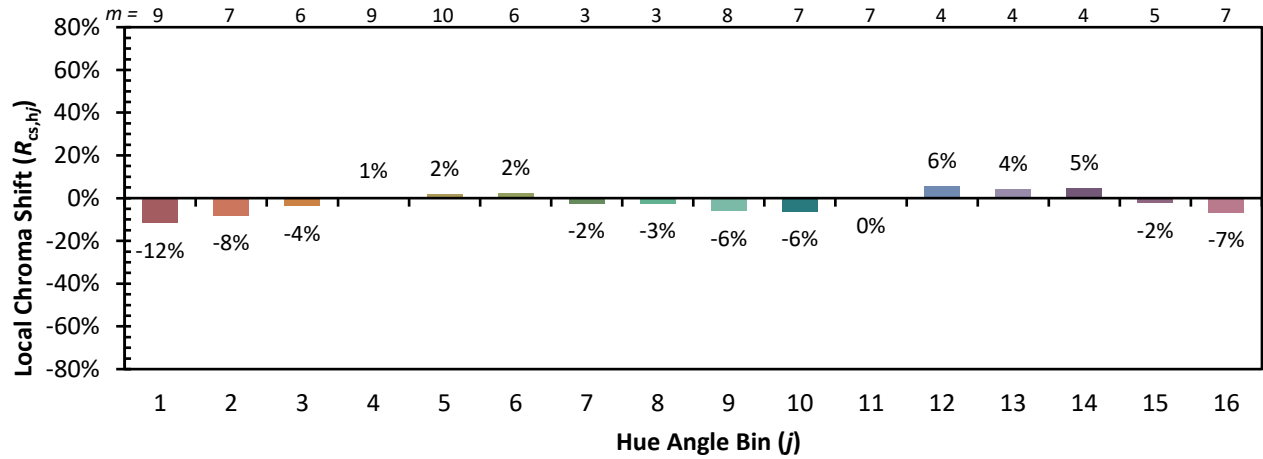


Individual Sample Fidelity Index ($R_{f,i}$)

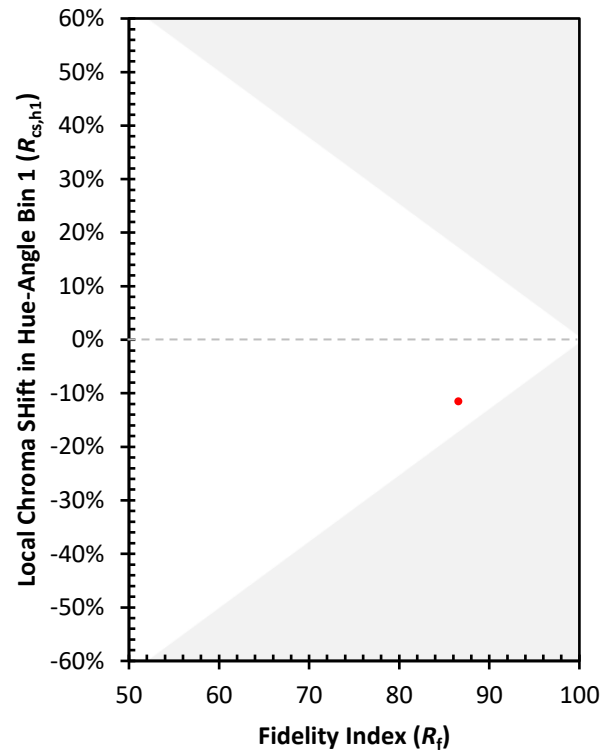
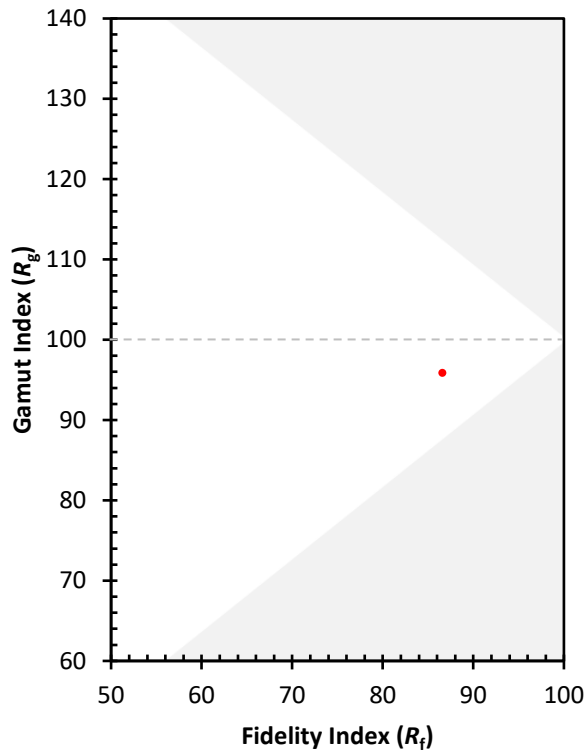
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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