

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: McGRAW-EDISON

Report Number: P1048594

Luminaire Tested: **GALN-SA9B-835-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048594
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-835-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 9xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (126) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36106.3 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 312.7
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

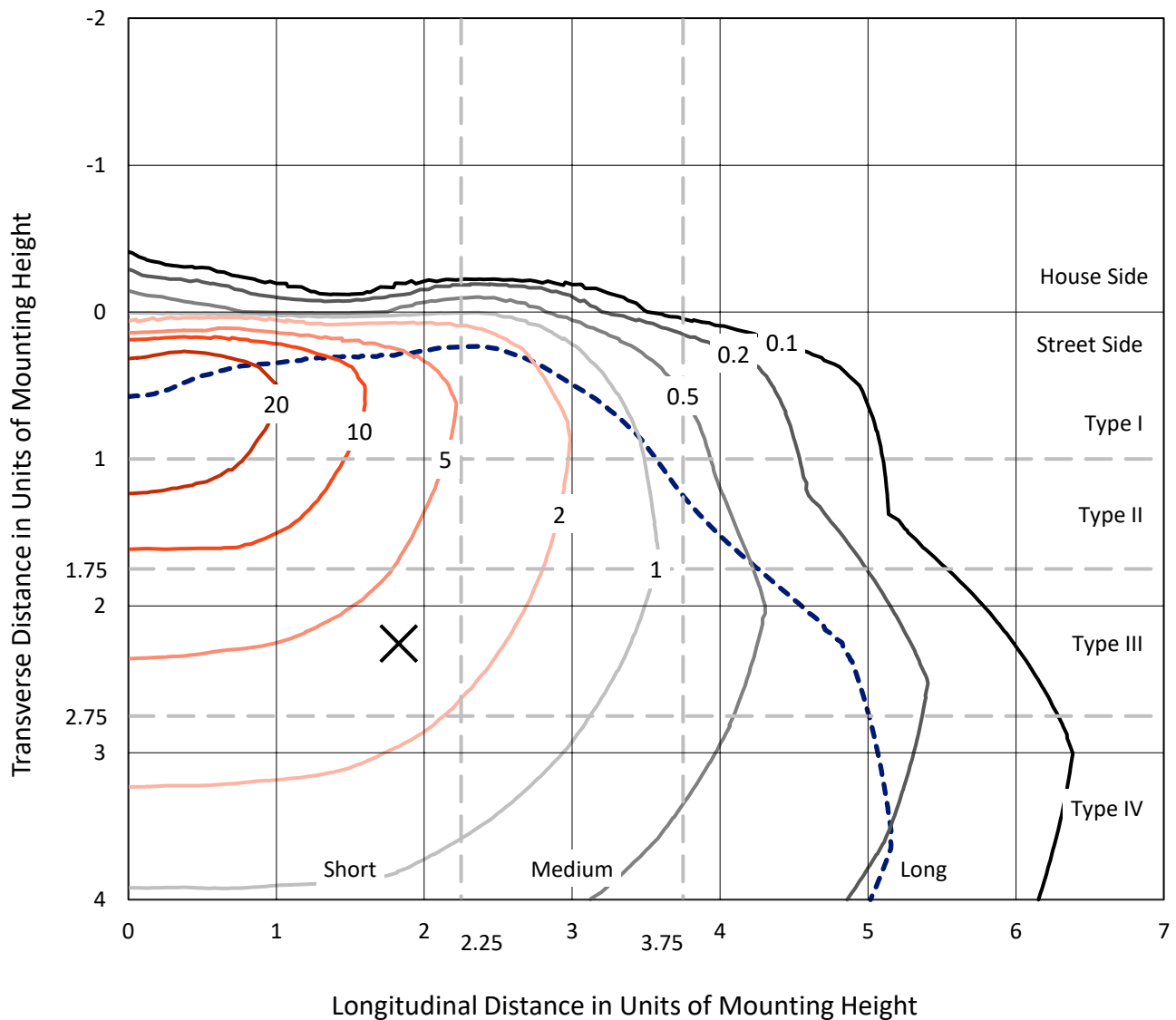


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

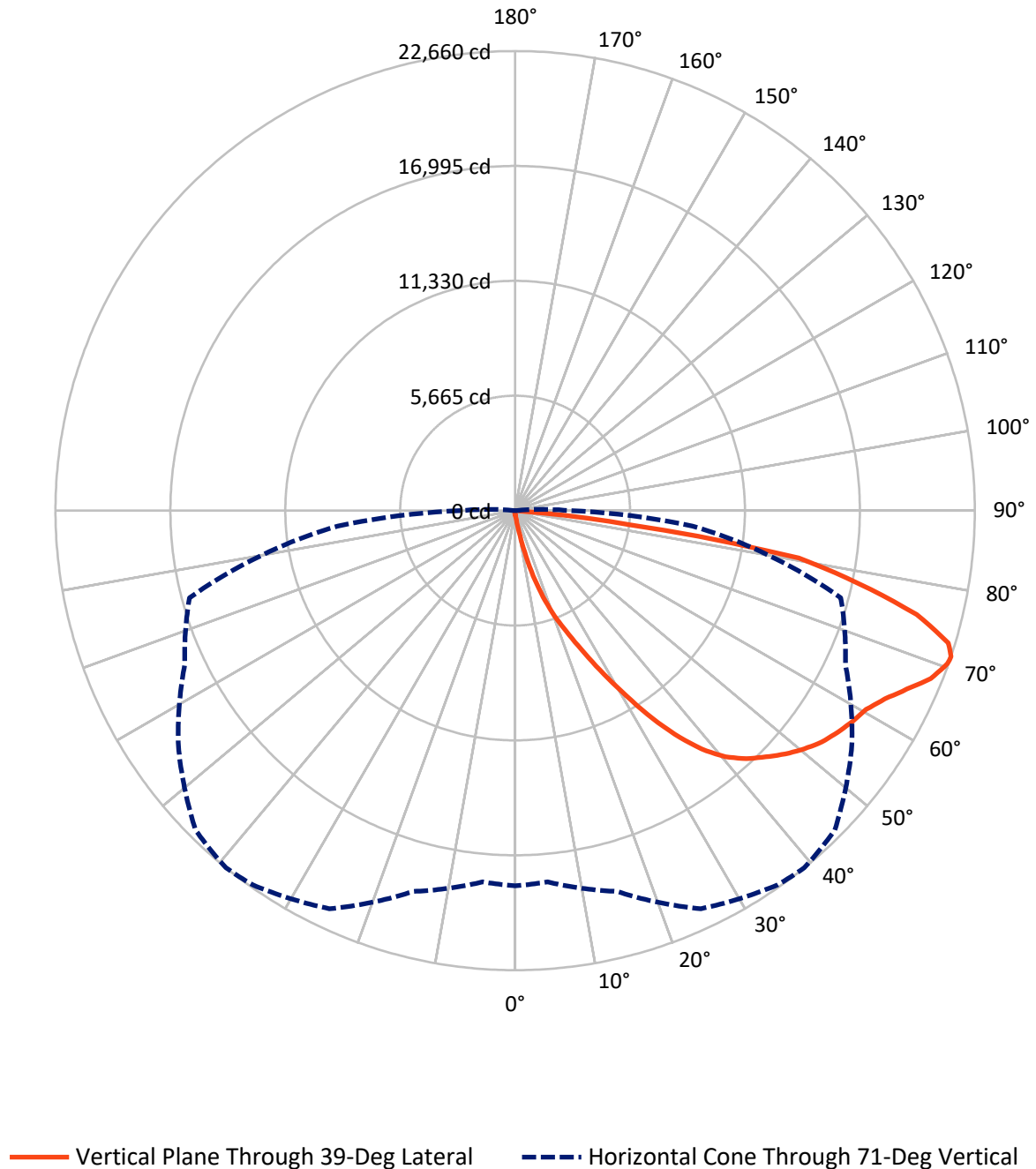


Based on 15 foot mounting height. Maximum calculated value = 37.1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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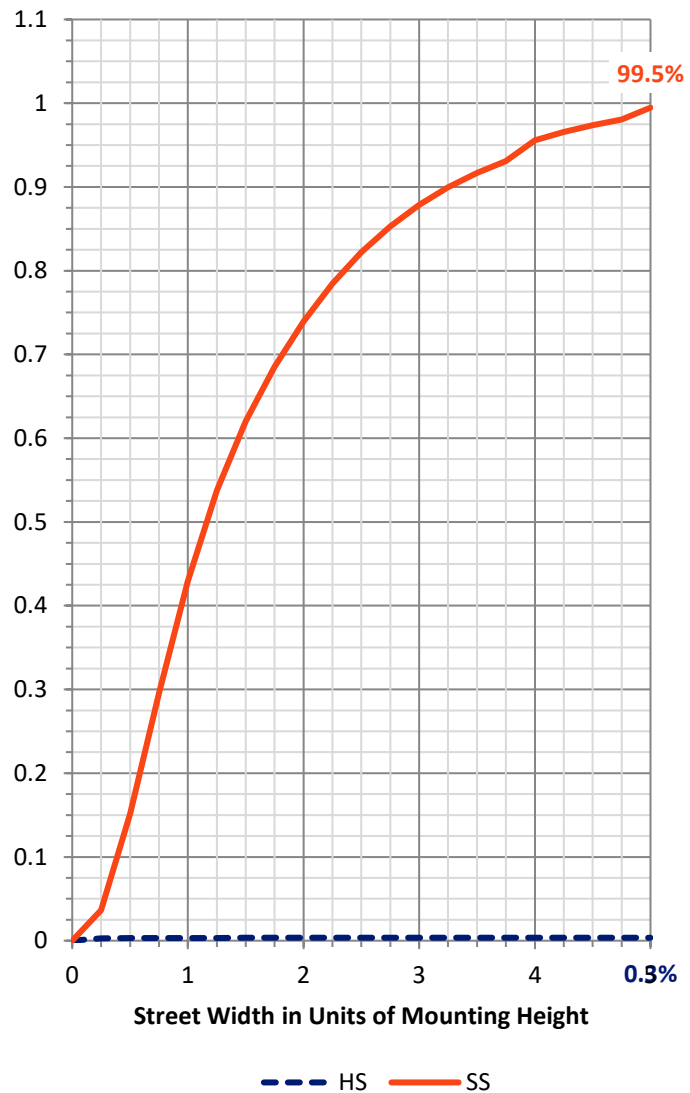
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	128.3	0.0	128.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	35978.0	0.0	35978.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	36106.3	0.0	36106.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.2	0.1
10°-20°	385.9	1.1
20°-30°	1374.3	3.8
30°-40°	3312.2	9.2
40°-50°	5543.2	15.4
50°-60°	7119.6	19.7
60°-70°	9009.9	25.0
70°-80°	8032.7	22.2
80°-90°	1298.4	3.6
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°	36106.3	100.0
0°-180°	36106.3	100.0



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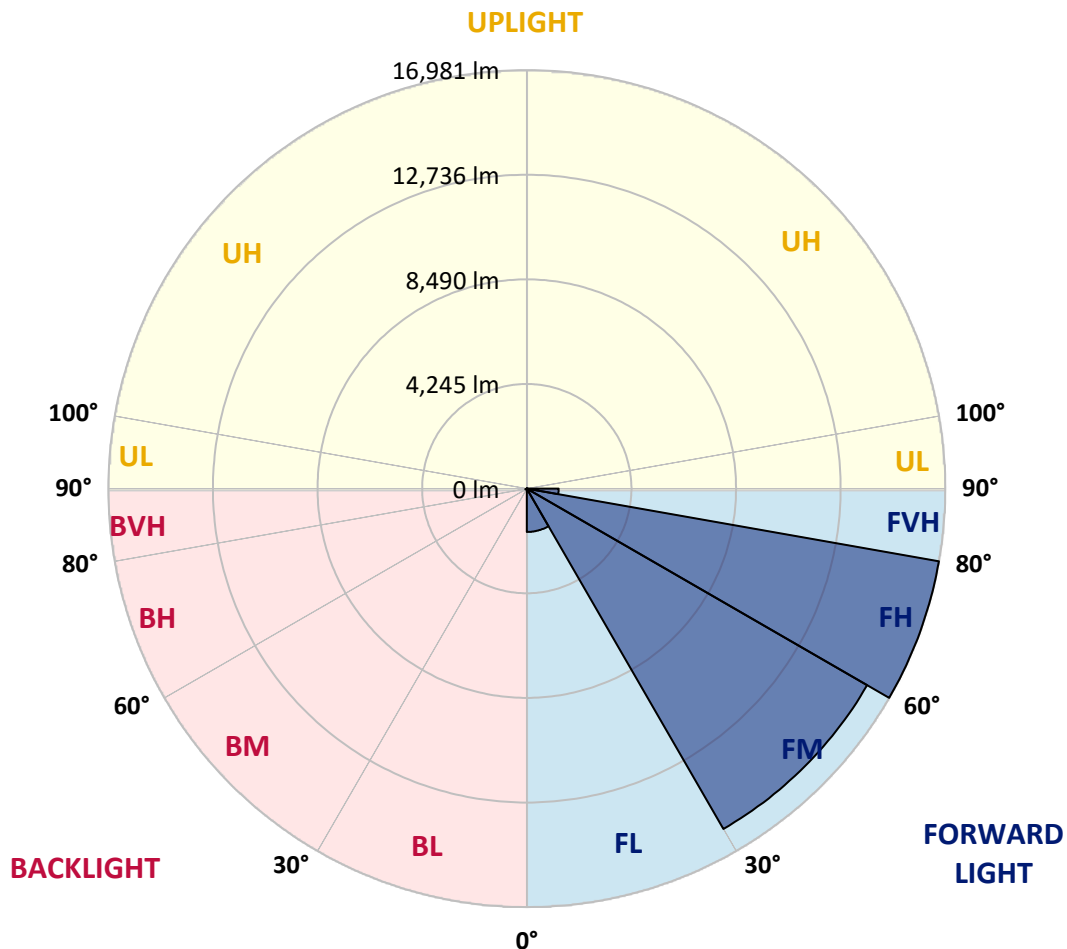
CATALOG NUMBER: GALN-SA9B-835-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1759.3	4.9			
FM	(30°-60°)	15945.3	44.2			
FH	(60°-80°)	16980.9	47.0			G5
FVH	(80°-90°)	1292.6	3.6			G5
BL	(0°-30°)	31.0	0.1	B0/110		
BM	(30°-60°)	29.7	0.1	B0/220		
BH	(60°-80°)	61.7	0.2	B0/110		G0/110
BVH	(80°-90°)	5.9	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0
2.5°	227.3	227.3	227.3	220.0	220.0	217.5	215.1	215.1	210.2	207.8	202.9
5°	344.6	337.3	320.2	310.4	290.9	278.6	266.4	249.3	232.2	220.0	205.3
7.5°	779.7	796.8	740.6	635.5	527.9	481.5	403.3	325.1	268.9	232.2	207.8
10°	1987.1	1977.4	1786.7	1576.5	1217.2	1073.0	840.8	530.4	347.1	254.2	210.2
12.5°	3380.3	3370.6	3145.7	2859.7	2385.5	2084.9	1645.0	989.9	498.6	288.4	210.2
15°	4551.1	4512.0	4441.1	4157.6	3602.8	3351.0	2769.3	1750.1	806.6	347.1	215.1
17.5°	5325.9	5291.7	5225.7	5123.1	4771.1	4472.9	4006.1	2749.7	1305.2	449.7	224.9
20°	6037.2	6012.7	5959.0	5939.4	5712.1	5553.2	5167.0	3898.5	2033.6	611.1	239.5
22.5°	7014.9	6963.5	6985.5	6868.2	6645.8	6455.1	6218.1	5101.1	2923.3	879.9	266.4
25°	8212.5	8188.1	8127.0	8043.9	7735.9	7569.7	7205.5	6235.2	3918.1	1231.9	295.7
27.5°	9659.5	9632.6	9617.9	9427.3	9072.9	8892.0	8383.6	7305.7	5037.5	1725.6	334.9
30°	11326.4	11338.7	11243.3	10998.9	10585.9	10331.7	9808.6	8427.6	6183.8	2304.9	376.4
32.5°	13052.1	13027.6	12881.0	12592.5	12223.5	11986.4	11321.6	9657.1	7386.4	3069.9	425.3
35°	14912.1	14865.7	14479.5	14149.5	13834.2	13536.0	12929.8	11084.5	8588.9	3927.8	491.3
37.5°	16789.2	16571.7	15796.9	15378.9	15161.4	14917.0	14352.4	12607.2	9784.2	4886.0	571.9
40°	18206.9	18038.2	17119.2	16349.3	16175.7	15968.0	15547.6	13922.2	11055.1	5915.0	669.7
42.5°	18991.5	18898.6	18072.5	17312.3	16904.1	16720.8	16361.5	15071.0	12311.5	7051.5	811.5
45°	19326.3	19182.1	18629.7	18275.3	17625.2	17322.1	16894.3	15938.7	13624.0	8342.1	1009.5
47.5°	19223.7	19140.6	18744.6	18874.2	18402.4	17930.7	17302.5	16603.5	14745.9	9823.3	1280.8
50°	18578.4	18507.5	18385.3	19086.8	19028.1	18470.9	17830.5	17129.0	15662.5	11350.9	1701.2
52.5°	17351.4	17322.1	17634.9	18920.6	19382.5	18947.5	18338.9	17593.4	16517.9	12947.0	2302.4
55°	15770.0	15889.8	16784.4	18661.5	19563.4	19299.4	18788.6	18028.5	17204.8	14374.4	3189.7
57.5°	15119.9	15151.6	16268.6	18478.2	19644.1	19609.9	19226.1	18444.0	17835.4	15515.8	4543.8
60°	15880.0	15831.1	16420.2	18617.5	19805.4	19888.5	19614.7	18830.2	18382.9	16495.9	6347.6
62.5°	17253.6	17226.8	17415.0	19211.5	20277.1	20445.8	20154.9	19108.8	18866.8	17141.2	8405.6
65°	18480.6	18424.4	18773.9	20264.9	21105.7	21225.5	20971.3	19585.4	19079.5	17610.5	10339.0
67.5°	19011.0	18998.8	19561.0	21267.0	21975.8	22105.4	21883.0	20242.9	19030.6	17759.6	11192.0
70°	18769.1	18722.6	19622.1	21692.3	22467.1	22613.8	22398.7	20487.3	18500.2	17287.9	9928.4
71°	18502.6	18378.0	19438.8	21663.0	22535.6	22660.2	22283.8	20264.9	17967.4	16618.2	8782.0
72.5°	17676.5	17698.5	18935.3	21357.5	22371.8	22335.1	21633.7	19468.1	17324.5	15097.9	7054.0
75°	15642.9	15772.5	17305.0	20074.3	20910.2	20443.3	19370.3	17945.4	16034.0	10825.4	4898.2
77.5°	12783.2	12976.3	14660.3	17605.6	17368.5	17322.1	17278.1	15811.6	13692.4	5814.8	3407.2
80°	6103.2	6521.1	8843.1	12568.1	13653.3	14178.8	13848.9	12741.6	10588.3	2769.3	2036.0
82.5°	398.4	393.5	557.3	1055.9	4450.9	5753.7	9141.3	9107.1	7381.5	1349.2	831.0
85°	188.2	193.1	212.6	242.0	281.1	308.0	425.3	2493.1	3531.9	642.8	180.9
87.5°	110.0	112.4	132.0	168.7	220.0	244.4	290.9	374.0	459.5	354.4	39.1
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: P1048594

CATALOG NUMBER: GALN-SA9B-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0
2.5°	200.4	198.0	190.6	183.3	176.0	171.1	168.7	171.1	171.1	173.5	173.5
5°	200.4	193.1	180.9	166.2	156.4	146.7	141.8	139.3	141.8	141.8	141.8
7.5°	198.0	185.8	168.7	151.5	139.3	127.1	122.2	119.8	119.8	122.2	122.2
10°	193.1	180.9	158.9	139.3	124.7	110.0	102.7	95.3	95.3	95.3	97.8
12.5°	190.6	173.5	146.7	127.1	107.5	90.4	75.8	68.4	70.9	70.9	70.9
15°	185.8	166.2	139.3	114.9	90.4	68.4	56.2	48.9	51.3	53.8	51.3
17.5°	185.8	163.8	129.5	100.2	70.9	51.3	41.6	36.7	36.7	39.1	39.1
20°	185.8	158.9	122.2	85.5	53.8	39.1	29.3	26.9	26.9	31.8	34.2
22.5°	190.6	158.9	112.4	70.9	44.0	29.3	22.0	19.6	22.0	26.9	29.3
25°	198.0	156.4	102.7	63.5	36.7	22.0	17.1	12.2	14.7	19.6	22.0
27.5°	205.3	154.0	92.9	56.2	29.3	17.1	12.2	9.8	7.3	9.8	9.8
30°	212.6	154.0	83.1	46.4	24.4	12.2	7.3	4.9	2.4	0.0	0.0
32.5°	217.5	149.1	75.8	36.7	19.6	9.8	4.9	2.4	0.0	0.0	0.0
35°	222.4	144.2	66.0	29.3	14.7	7.3	2.4	0.0	0.0	0.0	0.0
37.5°	227.3	136.9	56.2	24.4	12.2	4.9	0.0	0.0	0.0	0.0	0.0
40°	232.2	127.1	46.4	22.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	237.1	119.8	39.1	17.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0
45°	249.3	114.9	31.8	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	271.3	110.0	29.3	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	303.1	105.1	26.9	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	347.1	102.7	24.4	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	425.3	100.2	22.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	559.7	97.8	22.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	857.9	92.9	22.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1532.5	90.4	19.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2671.5	92.9	19.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3830.1	97.8	17.1	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	3277.7	85.5	17.1	9.8	4.9	2.4	0.0	0.0	0.0	0.0	0.0
71°	2671.5	75.8	17.1	9.8	4.9	2.4	2.4	0.0	0.0	0.0	0.0
72.5°	1718.3	58.7	14.7	9.8	4.9	4.9	2.4	0.0	0.0	0.0	0.0
75°	725.9	48.9	14.7	9.8	7.3	4.9	4.9	2.4	0.0	0.0	0.0
77.5°	310.4	36.7	14.7	12.2	9.8	7.3	7.3	4.9	2.4	0.0	0.0
80°	117.3	29.3	17.1	14.7	12.2	12.2	9.8	4.9	2.4	0.0	0.0
82.5°	53.8	24.4	17.1	14.7	14.7	12.2	9.8	7.3	4.9	0.0	0.0
85°	34.2	22.0	17.1	14.7	14.7	12.2	12.2	7.3	4.9	0.0	0.0
87.5°	26.9	22.0	17.1	17.1	14.7	14.7	9.8	7.3	2.4	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

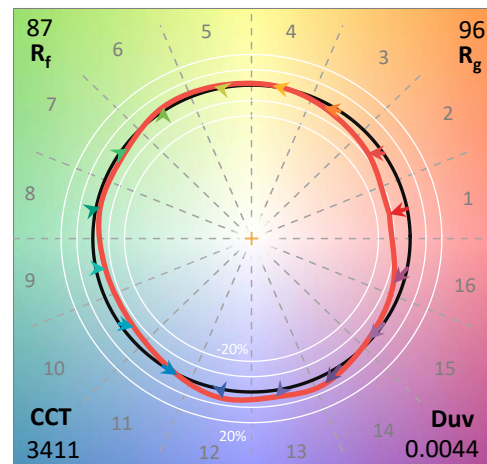
Test Information

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

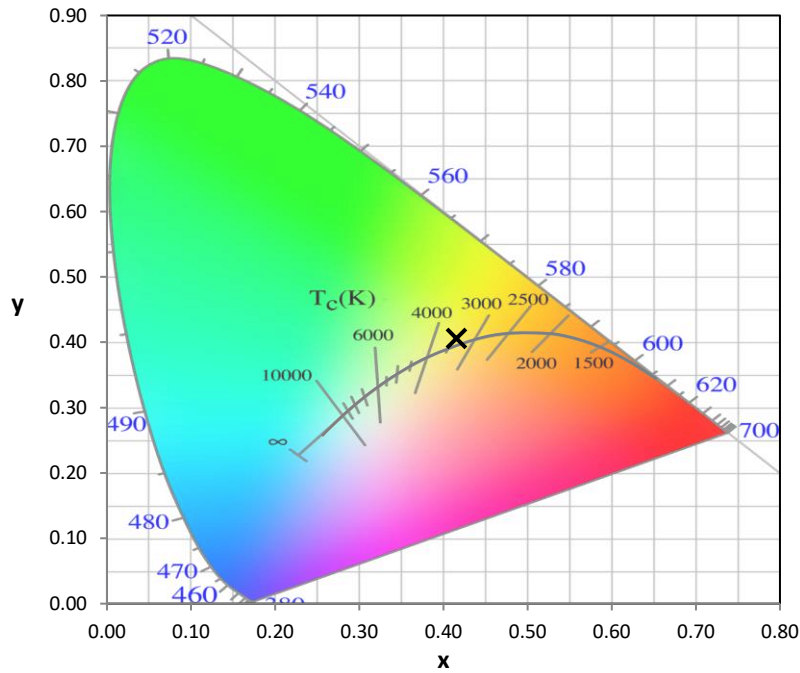
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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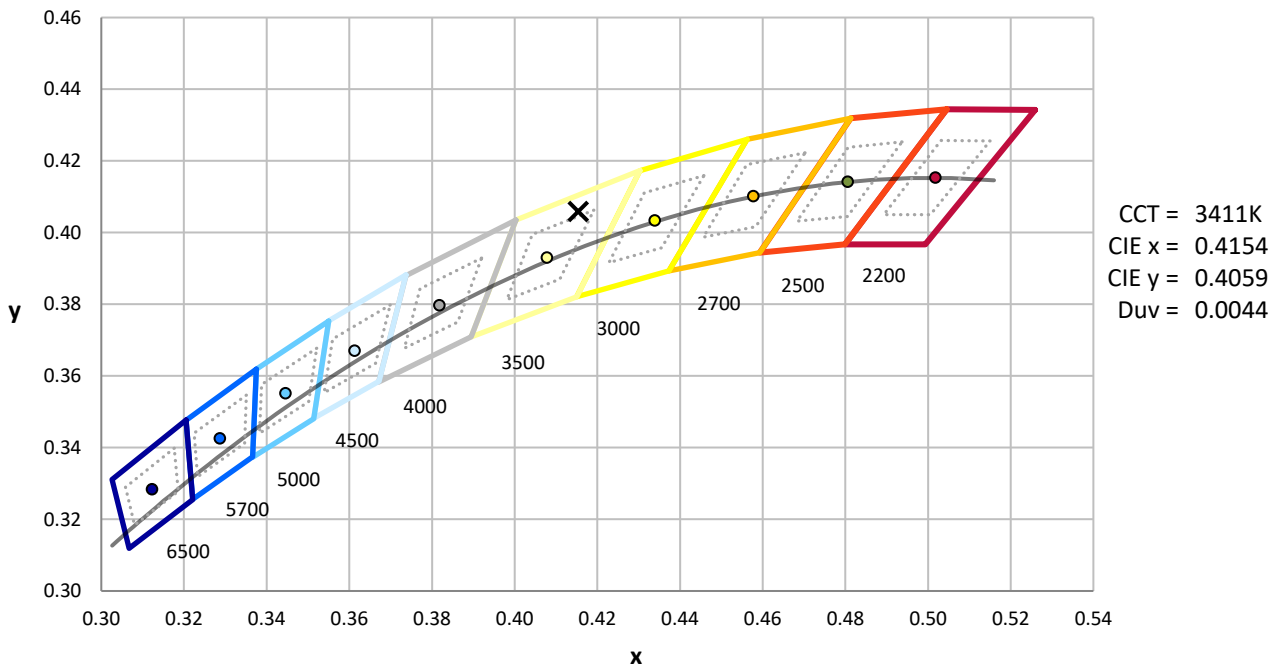
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



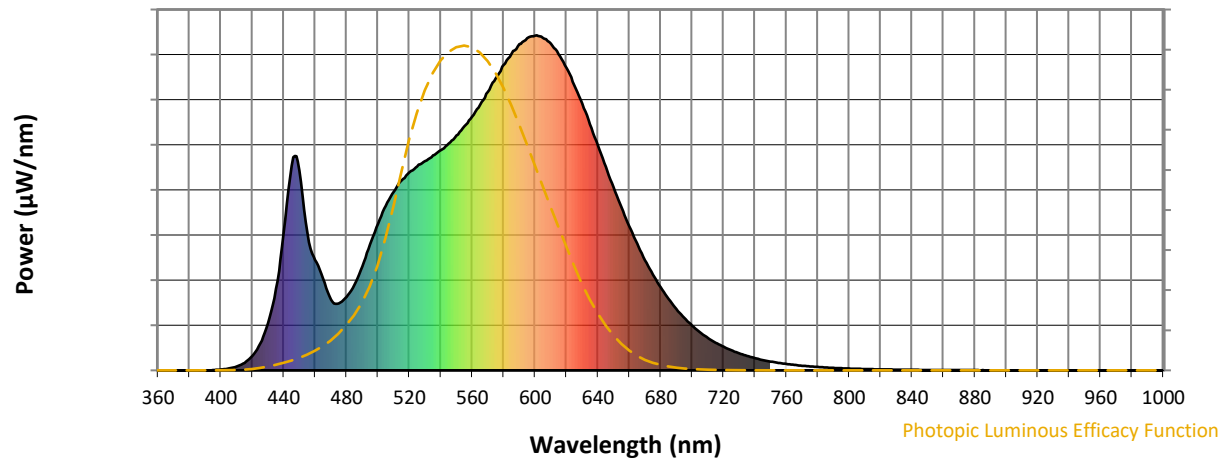
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

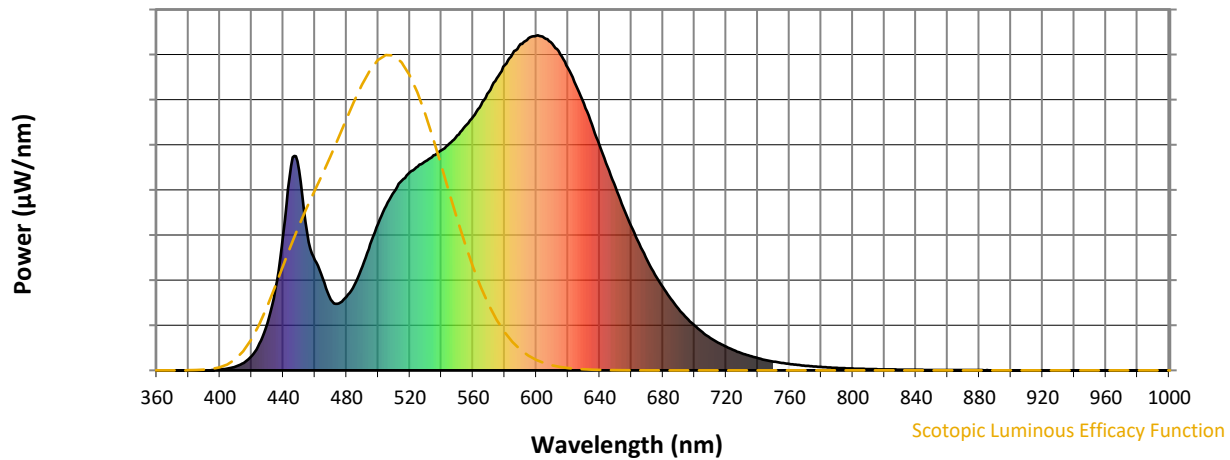


Photopic Lumens: NR

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



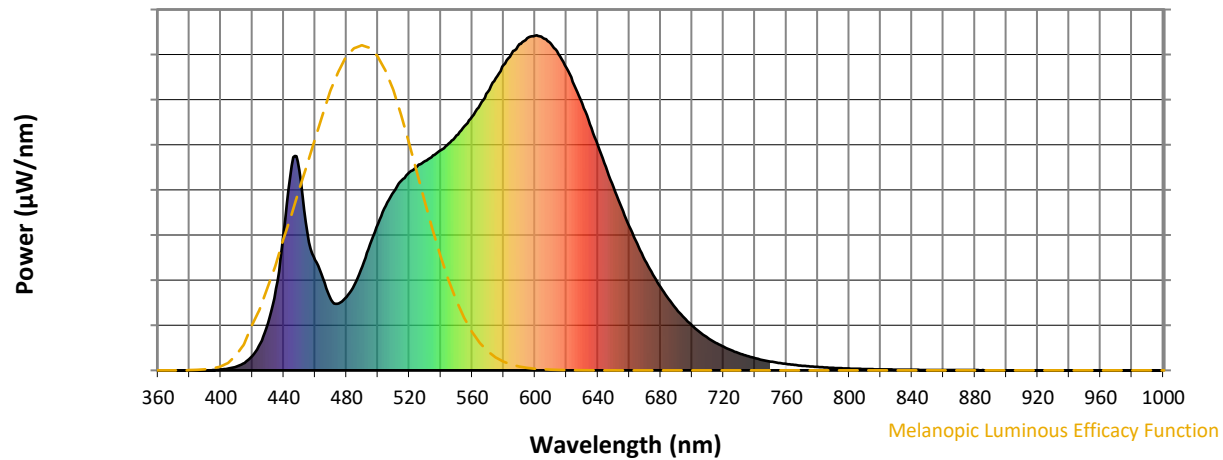
Scotopic Lumens: NR

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

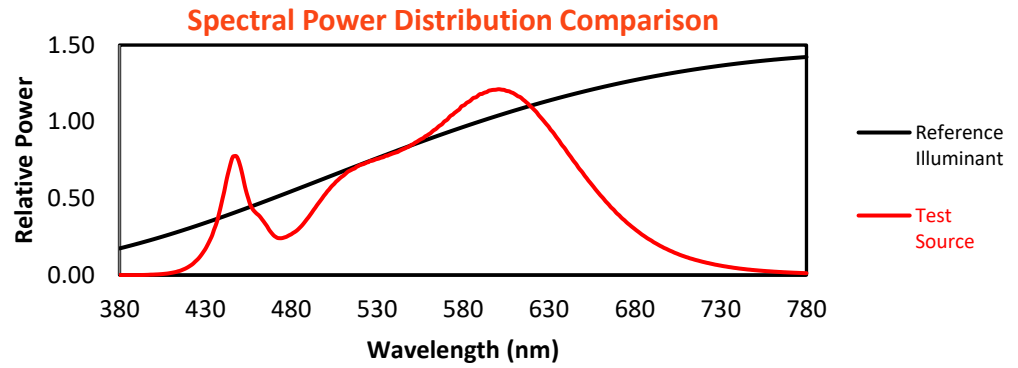
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	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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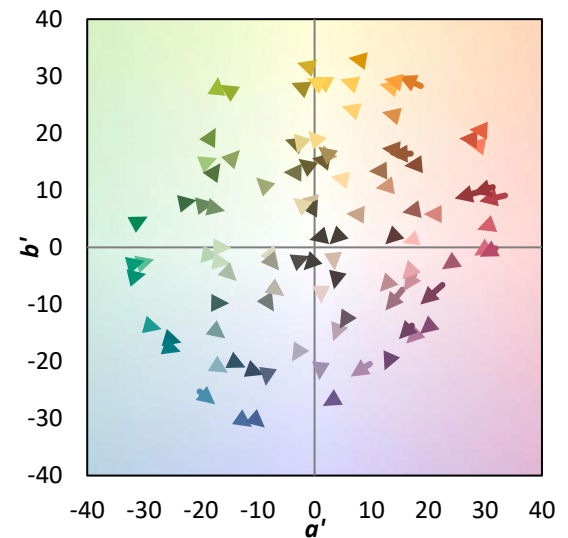
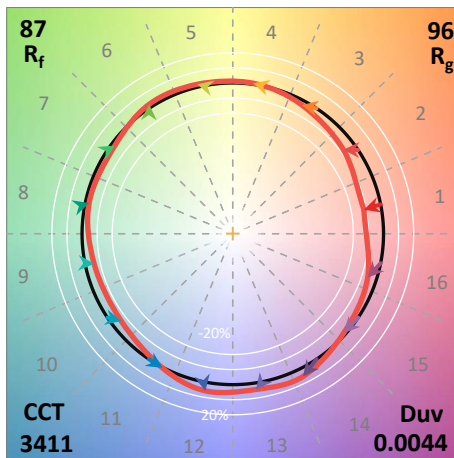
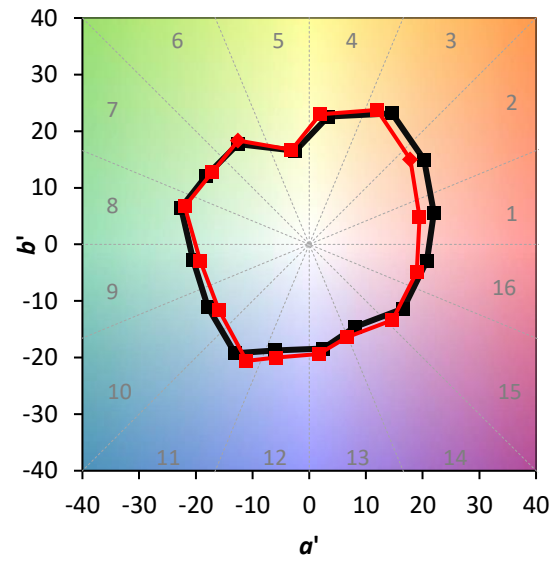
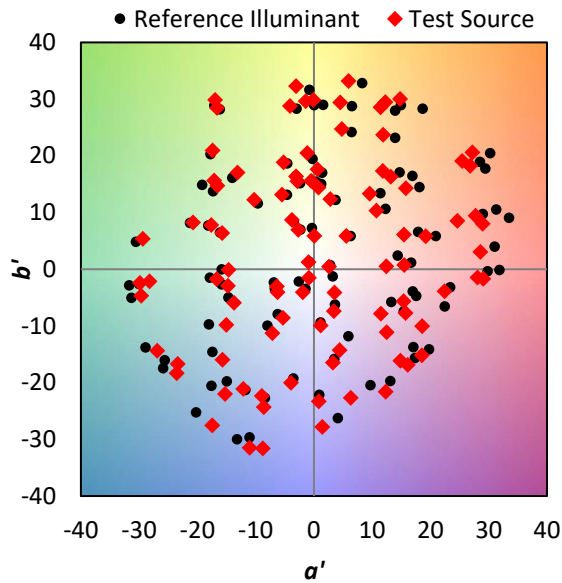
TM-30-18

Summary

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

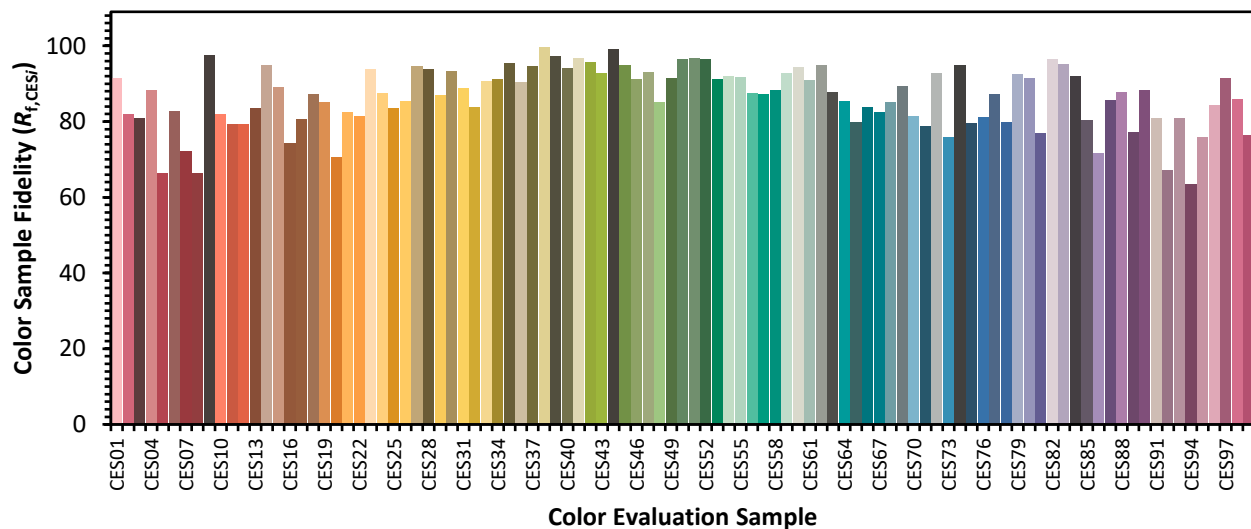


Color Vector Graphics

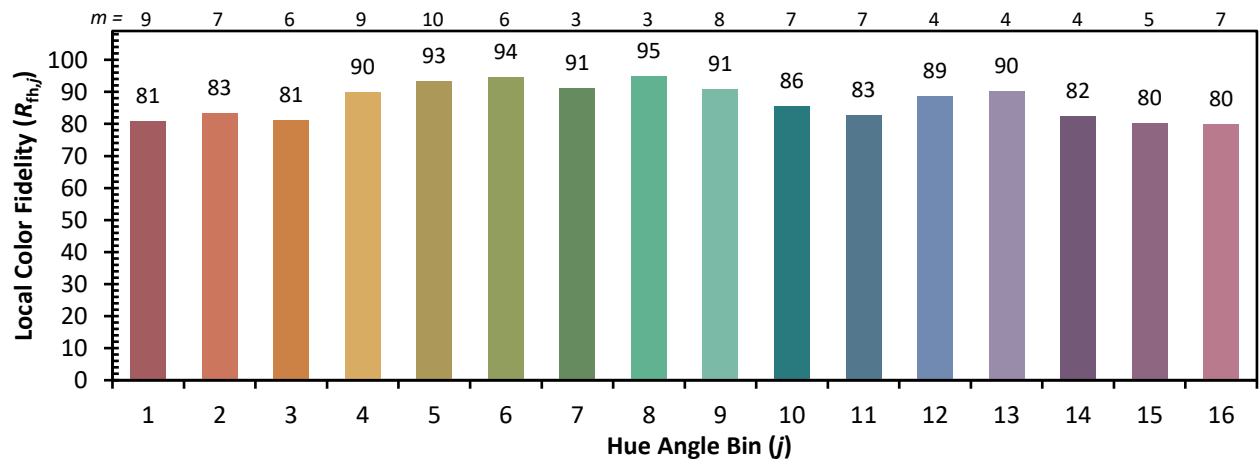
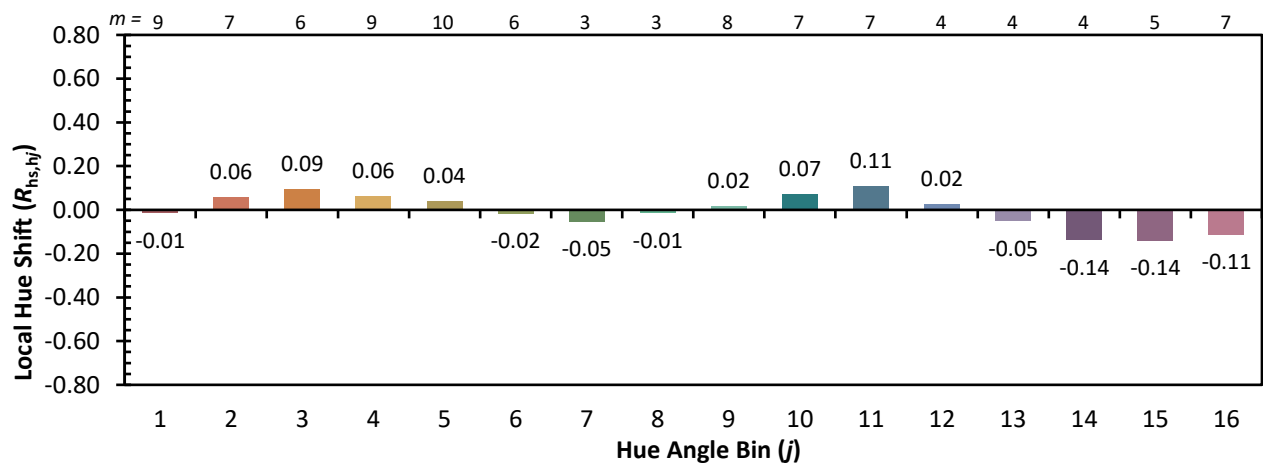
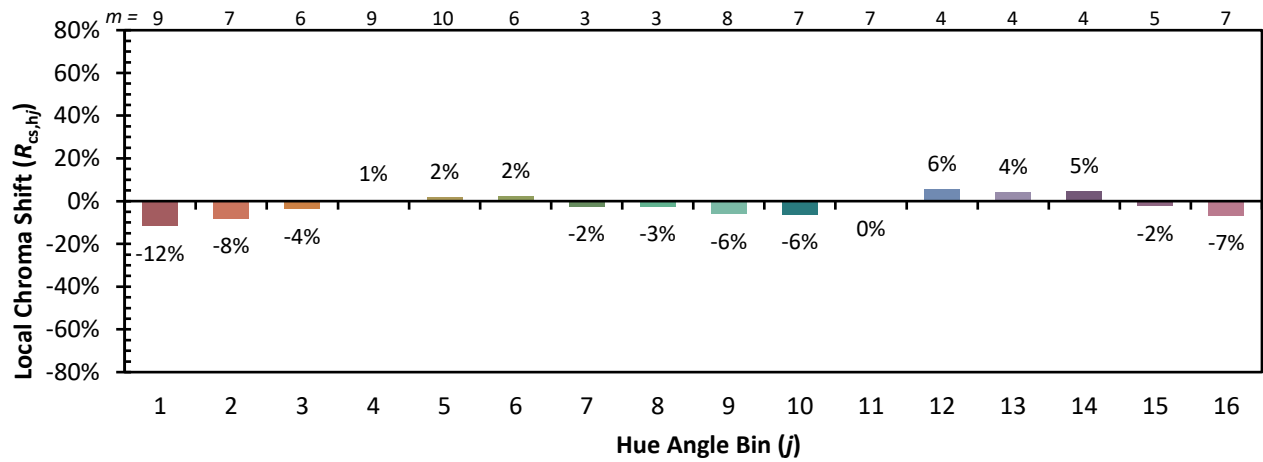


Individual Sample Fidelity Index ($R_{f,i}$)

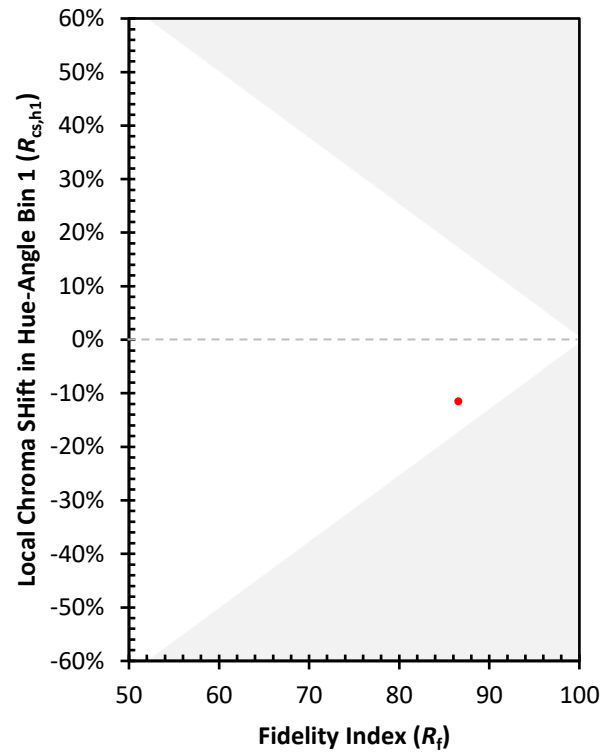
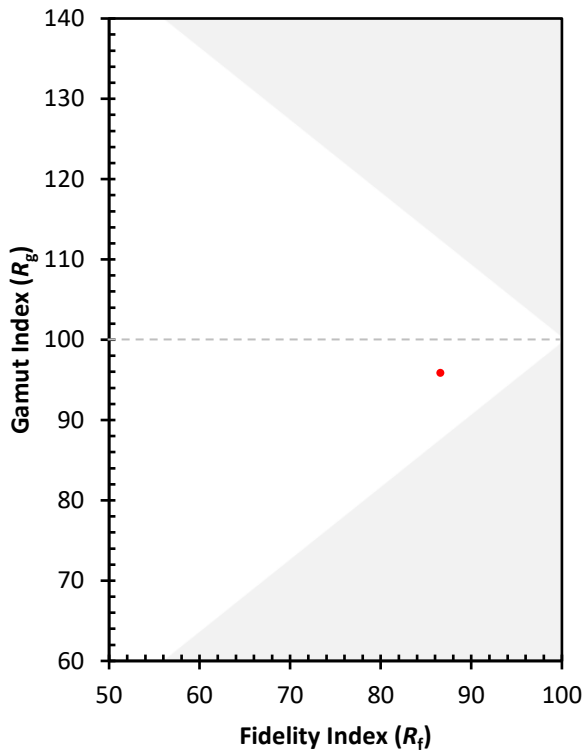
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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