

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: P1047370

Luminaire Tested: **GALN-SA9B-835-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047370
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-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 9xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (126) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37337.9 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - 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

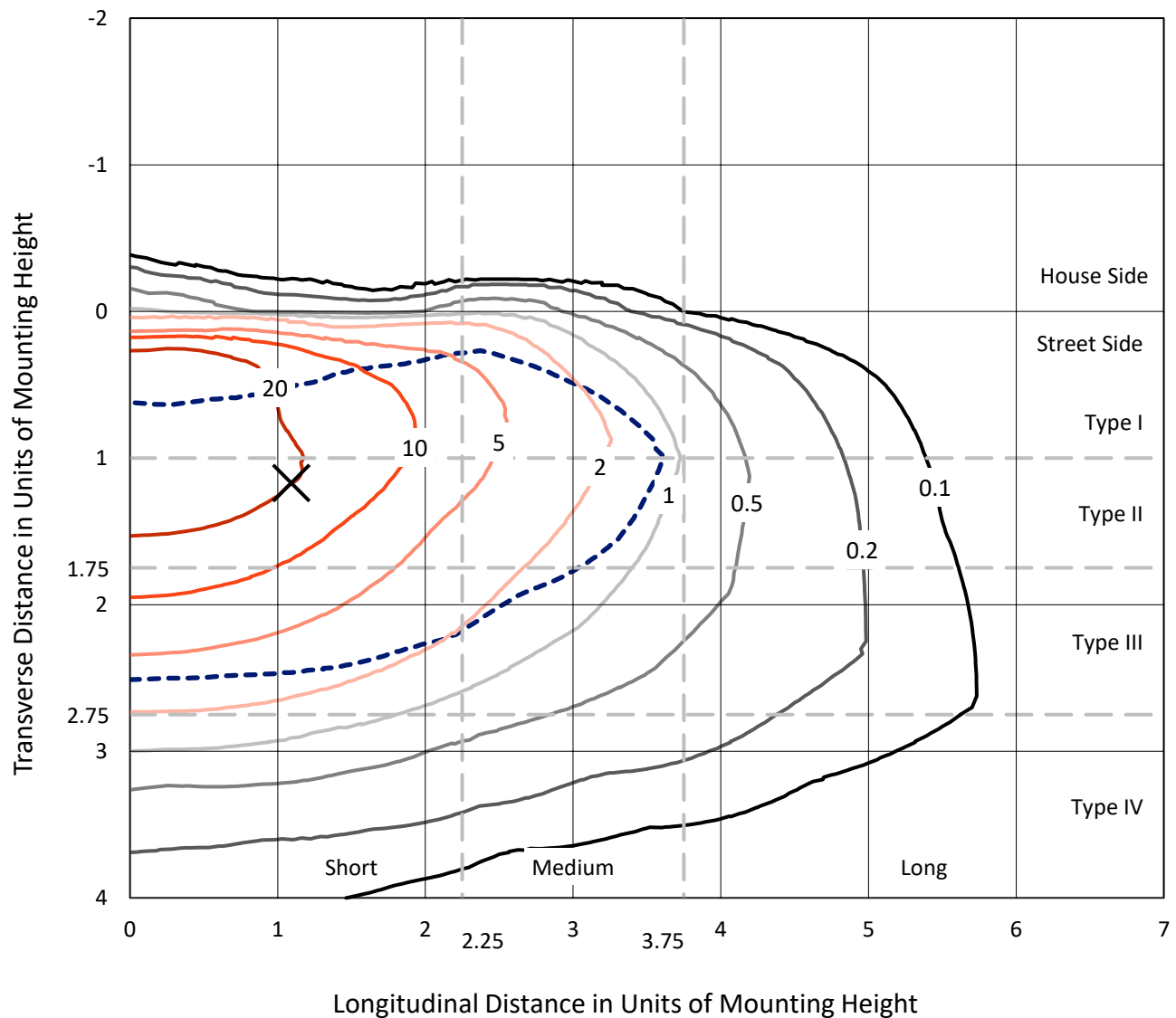


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

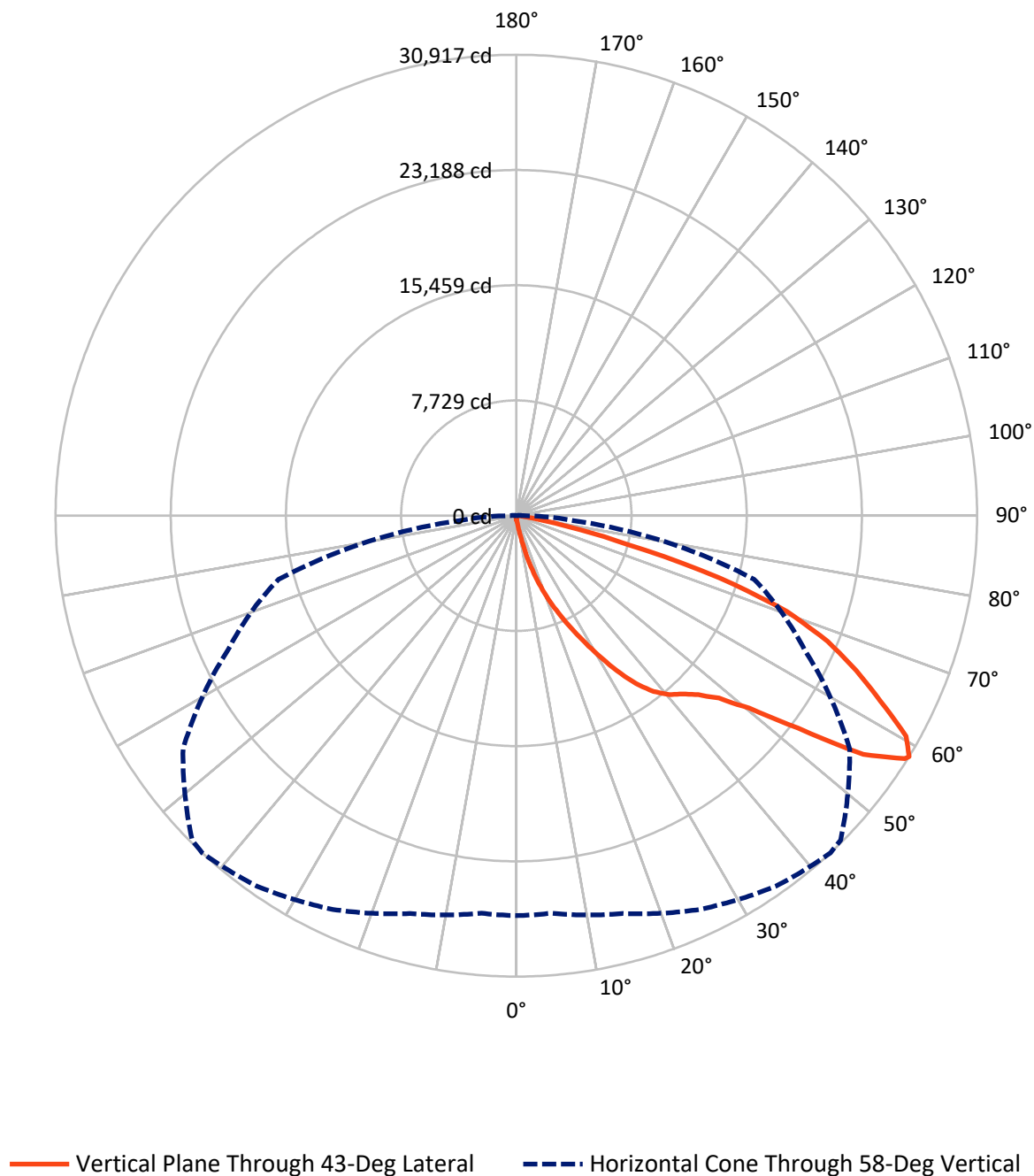


Based on 15 foot mounting height. Maximum calculated value = 41.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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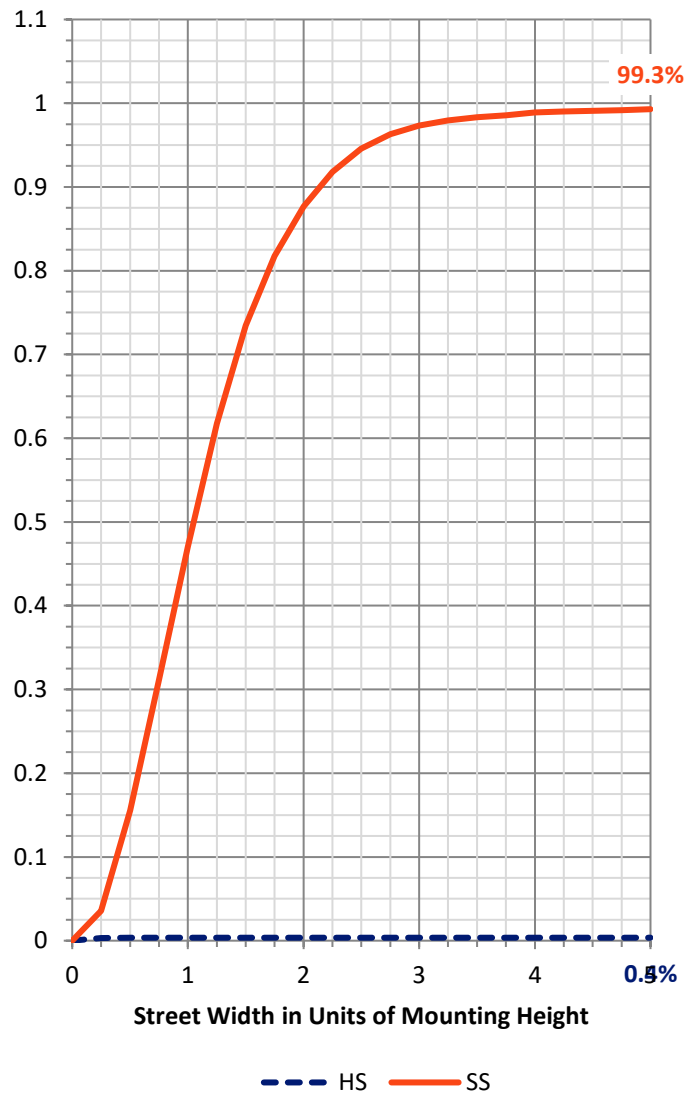
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	136.3	0.0	136.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	37201.5	0.0	37201.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	37337.9	0.0	37337.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	0.1
10°-20°	429.2	1.1
20°-30°	1547.0	4.1
30°-40°	3539.4	9.5
40°-50°	5969.6	16.0
50°-60°	9851.2	26.4
60°-70°	11010.1	29.5
70°-80°	4545.9	12.2
80°-90°	409.8	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°	37337.9	100.0
0°-180°	37337.9	100.0



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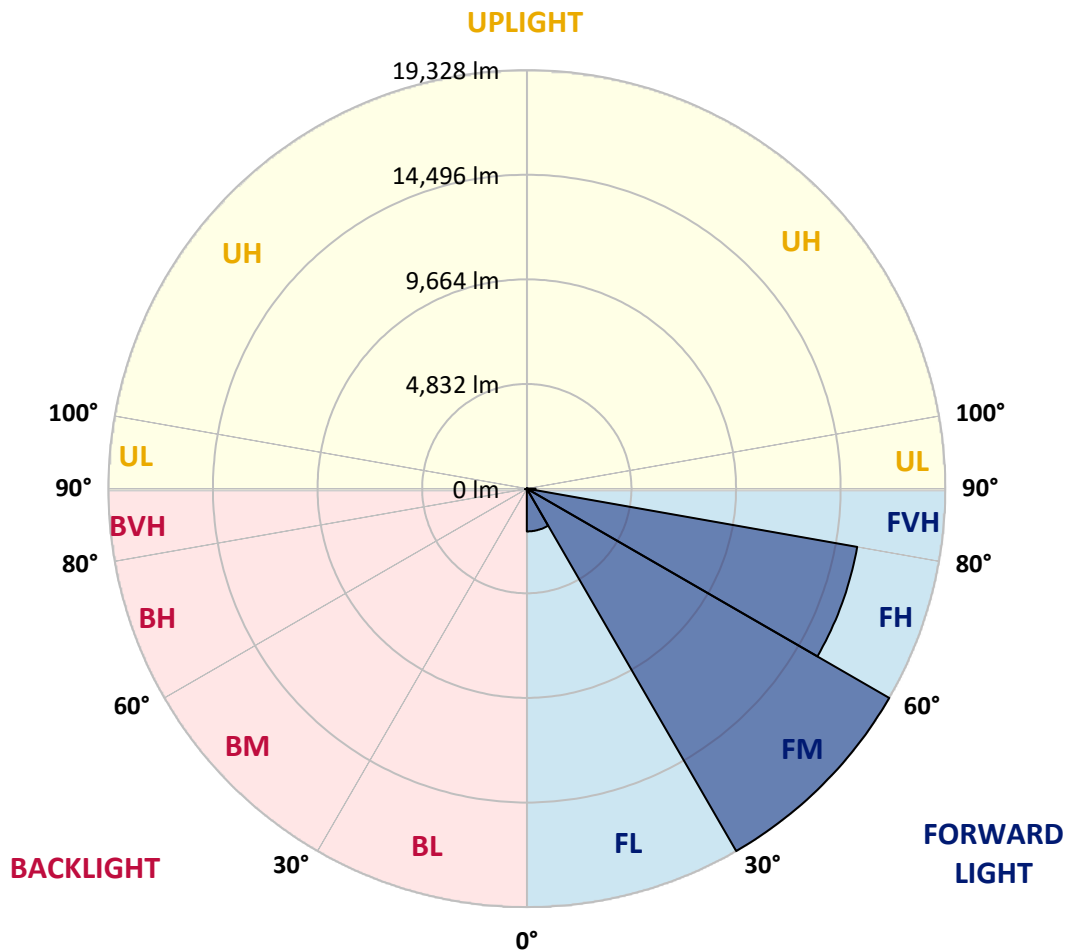
CATALOG NUMBER: GALN-SA9B-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1976.4	5.3			
FM	(30°-60°)	19327.5	51.8			
FH	(60°-80°)	15493.5	41.5			G5
FVH	(80°-90°)	404.2	1.1			G3/500
BL	(0°-30°)	35.5	0.1	B0/110		
BM	(30°-60°)	32.7	0.1	B0/220		
BH	(60°-80°)	62.5	0.2	B0/110		G0/110
BVH	(80°-90°)	5.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1
2.5°	293.0	302.7	293.0	293.0	293.0	283.2	283.2	273.4	273.4	263.7	253.9
5°	429.7	429.7	400.4	380.9	361.3	351.6	341.8	322.3	302.7	283.2	263.7
7.5°	957.0	957.0	869.1	751.9	595.7	507.8	488.3	400.4	341.8	302.7	263.7
10°	2285.1	2285.1	2089.8	1767.5	1367.2	1015.6	908.2	576.2	410.1	322.3	273.4
12.5°	3798.7	3847.6	3603.4	3193.3	2597.6	1982.4	1767.5	1054.7	546.9	351.6	273.4
15°	5156.1	5038.9	4970.6	4580.0	4013.6	3281.2	3007.7	1777.3	791.0	400.4	273.4
17.5°	6074.1	6074.1	5976.4	5712.8	5195.2	4550.7	4326.1	2871.0	1279.3	459.0	283.2
20°	7148.3	7148.3	6972.5	6786.9	6328.0	5781.1	5566.3	4081.9	1982.4	585.9	283.2
22.5°	8447.1	8466.6	8271.3	7939.3	7499.8	6894.4	6708.8	5205.0	2871.0	781.2	293.0
25°	10029.1	10048.6	9765.4	9452.9	8779.1	8124.8	7841.6	6494.0	3955.0	1093.7	293.0
27.5°	11777.1	11913.8	11493.9	10956.8	10243.9	9423.6	9208.8	7656.1	5029.2	1542.9	312.5
30°	13954.7	13954.7	13398.1	12646.2	11874.7	10859.1	10585.7	8876.7	6171.7	2138.6	332.0
32.5°	15829.7	15683.2	14970.3	14179.3	13359.0	12411.8	12118.8	10156.0	7343.6	2880.8	371.1
35°	17265.2	17138.3	16259.4	15409.8	14696.9	13827.8	13476.2	11542.7	8583.8	3720.6	429.7
37.5°	18495.6	18446.8	17255.4	16191.0	15722.3	14960.6	14648.1	12851.2	9804.4	4628.8	498.0
40°	19843.3	19687.0	18417.5	17099.2	16396.1	15780.9	15497.7	13905.9	10976.3	5693.2	595.7
42.5°	20995.6	20810.0	19667.5	18378.5	17177.3	16347.3	16073.8	14794.6	12118.8	6757.6	722.6
45°	22274.8	22177.2	21024.9	20048.3	18446.8	17118.7	16757.4	15507.4	13163.7	8027.1	888.7
47.5°	24198.6	24022.8	22948.7	22147.9	20292.5	18290.6	17773.0	16239.8	14169.6	9277.1	1142.6
50°	26434.9	26317.7	25683.0	25048.2	23202.6	20292.5	19677.3	17294.5	15292.6	10761.5	1474.6
52.5°	28261.0	28241.5	28319.6	28329.4	26932.9	23661.5	22743.6	18993.7	16581.6	12226.3	1943.3
55°	28222.0	28309.9	29169.2	30155.5	30262.9	28261.0	27372.4	21854.9	18261.3	14032.9	2597.6
57.5°	27167.3	27098.9	28007.1	29491.5	30536.4	30751.2	30604.7	26298.2	20790.5	16210.5	3603.4
58°	26825.5	26766.9	27626.3	29139.9	30341.1	30917.2	30770.7	27304.0	21356.9	16523.0	3876.9
60°	25585.3	25595.1	26102.9	27479.8	28680.9	30048.1	30184.8	30175.0	24179.1	18612.8	5253.8
62.5°	23944.7	23866.6	24335.3	25458.4	26513.0	27431.0	27665.3	30370.3	28309.9	21269.0	7880.7
65°	21679.2	21562.0	22060.0	23329.5	24462.3	25058.0	25067.7	27753.2	30253.2	24120.5	11630.6
67.5°	17470.3	17372.6	18368.7	19999.5	21747.5	22528.7	22880.3	24081.4	28612.6	26054.0	13779.0
70°	10702.9	10907.9	12294.6	14853.2	17841.4	19276.9	19804.2	20175.3	24364.6	25761.1	11523.2
72.5°	4941.3	4697.2	5878.8	7665.8	11073.9	14267.2	14814.1	16269.1	19315.9	22362.7	8593.5
75°	2304.6	2216.7	2490.2	3349.5	5019.4	7704.9	8701.0	12988.0	14814.1	15556.3	6201.0
77.5°	1181.6	1191.4	1416.0	1523.4	2070.3	3564.4	4091.7	8544.7	10859.1	8681.4	4160.1
80°	517.6	537.1	546.9	595.7	839.8	1376.9	1552.7	3964.7	7421.7	4423.7	2275.3
82.5°	332.0	341.8	341.8	341.8	400.4	546.9	625.0	1591.8	3701.1	2197.2	703.1
85°	175.8	175.8	195.3	244.1	283.2	332.0	351.6	507.8	1220.7	654.3	166.0
87.5°	97.7	107.4	117.2	146.5	185.5	224.6	244.1	351.6	468.7	449.2	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: P1047370

CATALOG NUMBER: GALN-SA9B-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1	244.1
2.5°	253.9	244.1	234.4	224.6	214.8	205.1	205.1	205.1	205.1	205.1	205.1
5°	244.1	234.4	224.6	205.1	185.5	175.8	166.0	156.2	156.2	156.2	156.2
7.5°	244.1	234.4	205.1	185.5	166.0	146.5	127.0	127.0	127.0	127.0	127.0
10°	244.1	224.6	195.3	166.0	136.7	117.2	107.4	97.7	97.7	97.7	97.7
12.5°	244.1	214.8	185.5	146.5	117.2	97.7	87.9	78.1	78.1	78.1	78.1
15°	244.1	214.8	175.8	136.7	107.4	78.1	68.4	58.6	58.6	58.6	58.6
17.5°	234.4	205.1	166.0	117.2	87.9	58.6	48.8	39.1	39.1	48.8	48.8
20°	224.6	195.3	146.5	97.7	68.4	48.8	29.3	29.3	29.3	29.3	29.3
22.5°	224.6	195.3	136.7	87.9	58.6	29.3	19.5	19.5	19.5	19.5	29.3
25°	224.6	185.5	117.2	68.4	39.1	19.5	9.8	9.8	9.8	9.8	9.8
27.5°	224.6	185.5	107.4	58.6	29.3	19.5	9.8	0.0	0.0	0.0	0.0
30°	214.8	175.8	97.7	48.8	19.5	9.8	0.0	0.0	0.0	0.0	0.0
32.5°	214.8	166.0	78.1	39.1	19.5	9.8	0.0	0.0	0.0	0.0	0.0
35°	224.6	156.2	68.4	29.3	9.8	0.0	0.0	0.0	0.0	0.0	9.8
37.5°	234.4	146.5	58.6	19.5	9.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	244.1	136.7	58.6	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	263.7	136.7	48.8	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	283.2	136.7	39.1	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	322.3	146.5	39.1	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	351.6	156.2	29.3	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	390.6	146.5	29.3	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	439.4	146.5	29.3	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	478.5	136.7	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	498.0	127.0	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	595.7	117.2	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	927.7	97.7	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1884.7	87.9	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3515.5	78.1	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3935.5	87.9	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2480.4	68.4	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1308.6	68.4	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	654.3	68.4	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	302.7	48.8	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	127.0	29.3	19.5	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	58.6	29.3	19.5	19.5	9.8	9.8	0.0	0.0	0.0	0.0	0.0
87.5°	29.3	29.3	29.3	19.5	19.5	9.8	9.8	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

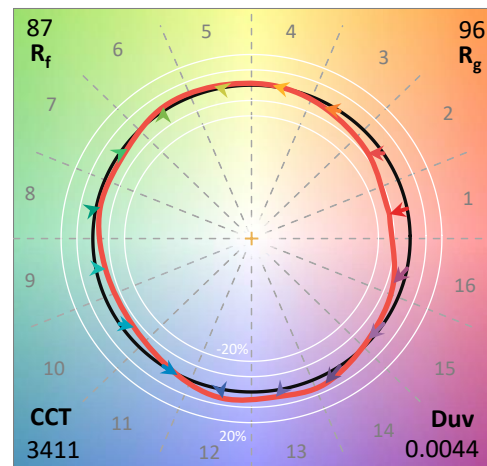
Test Information

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

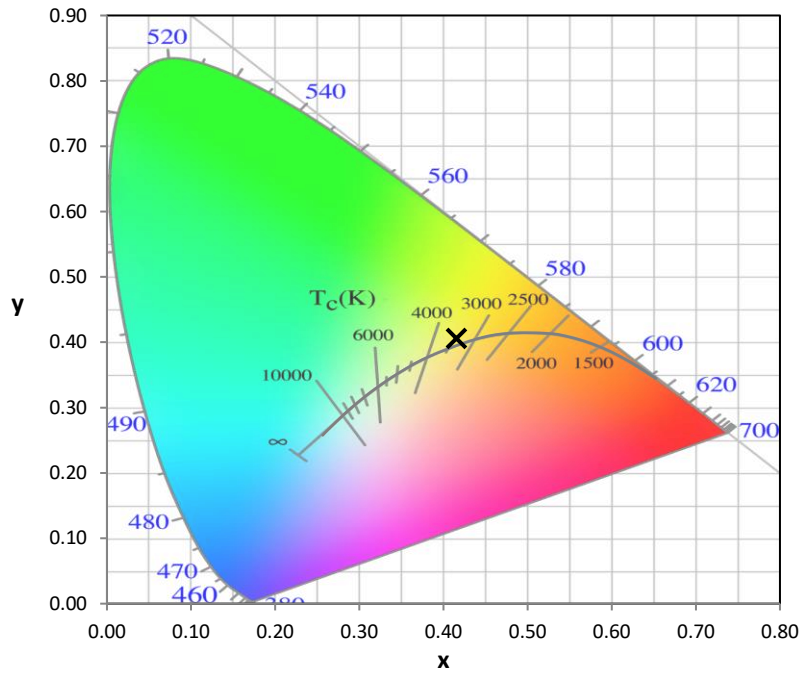
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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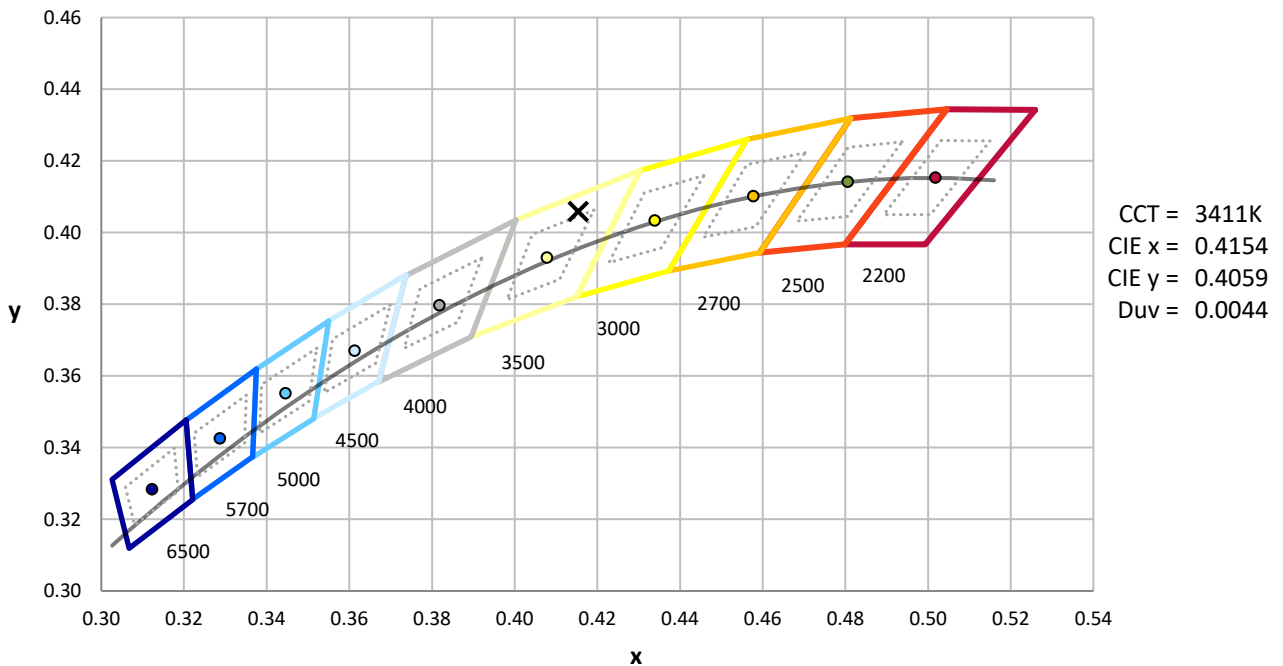
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



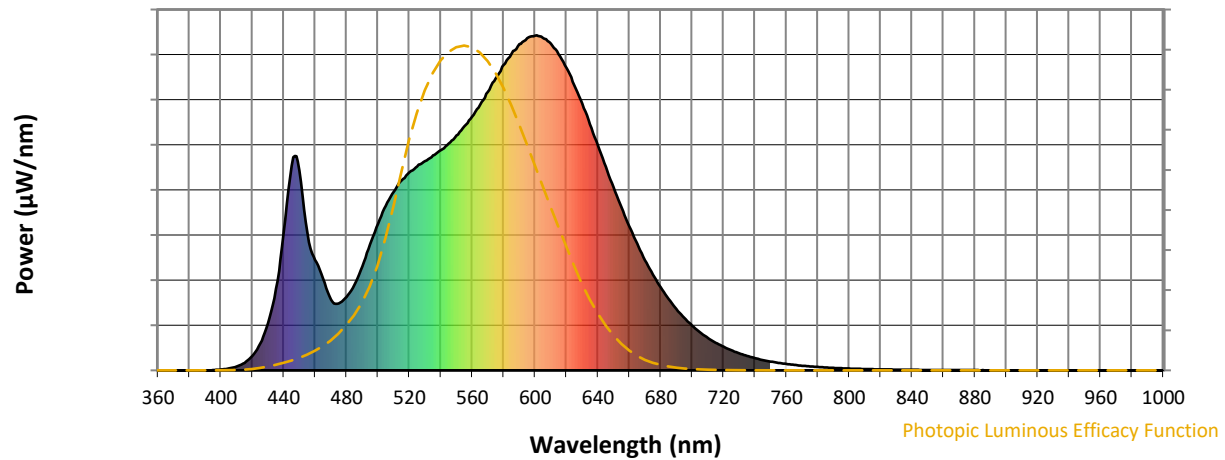
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

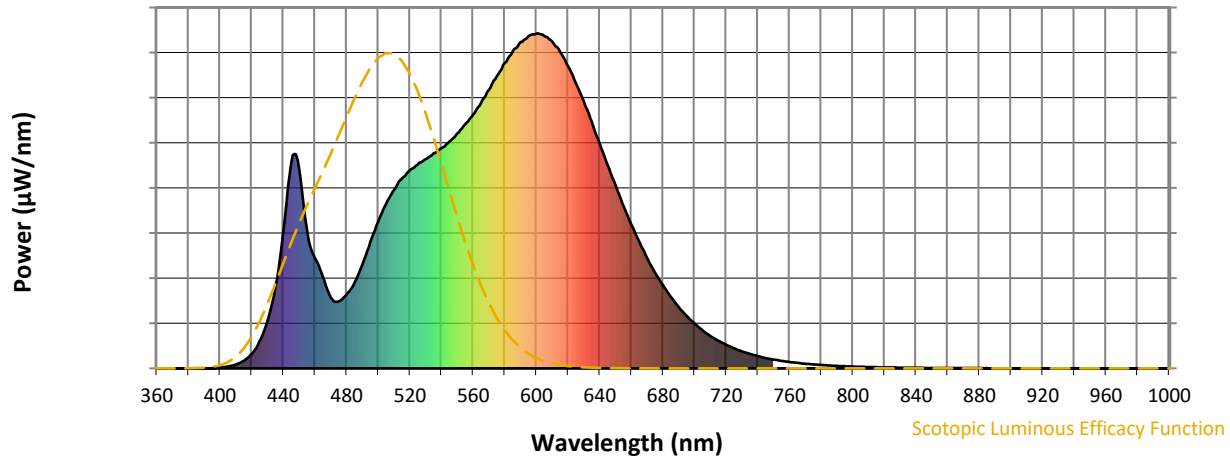


Photopic Lumens: NR

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



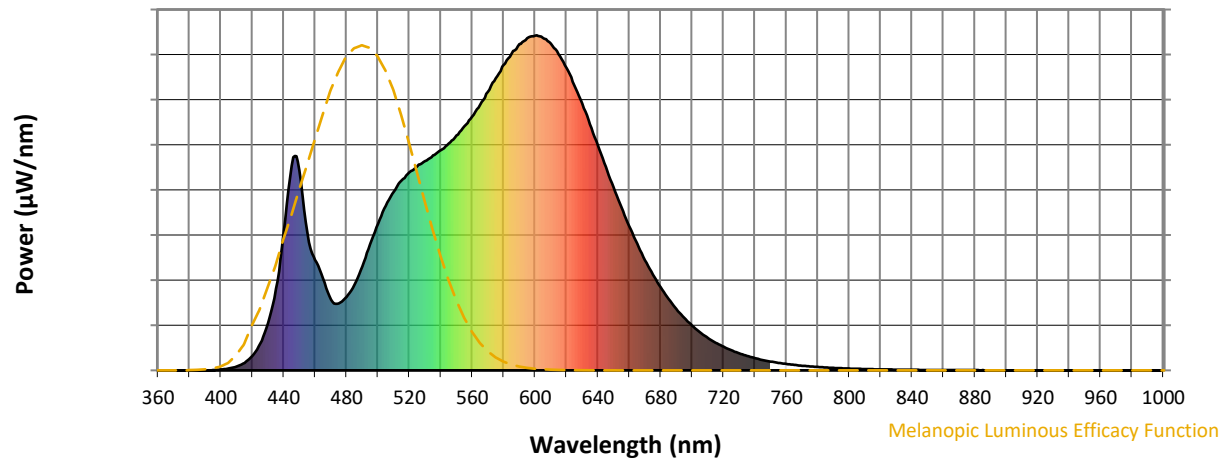
Scotopic Lumens: NR

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

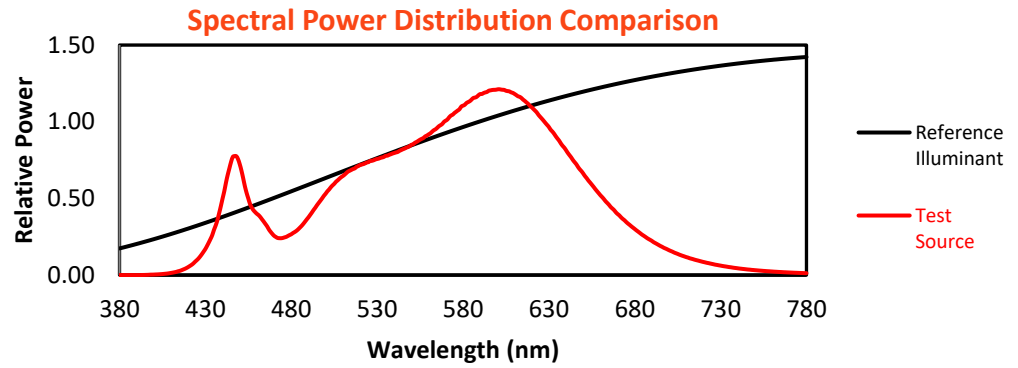
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	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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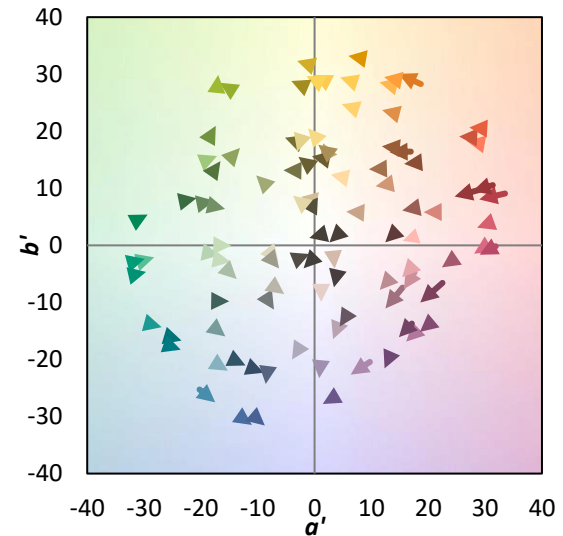
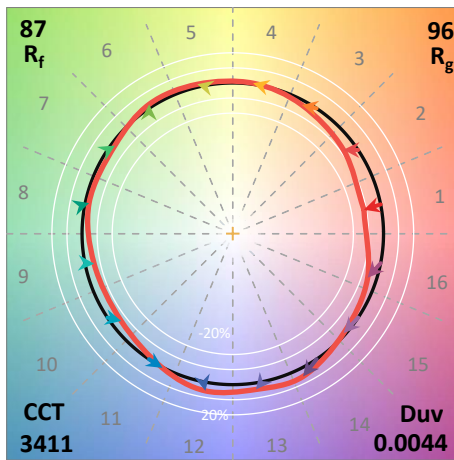
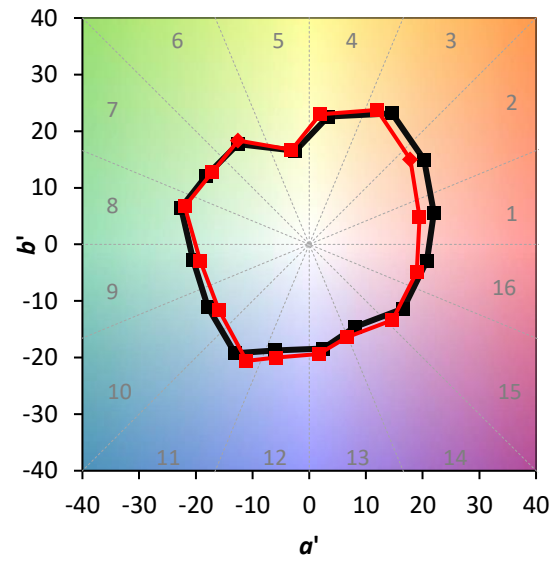
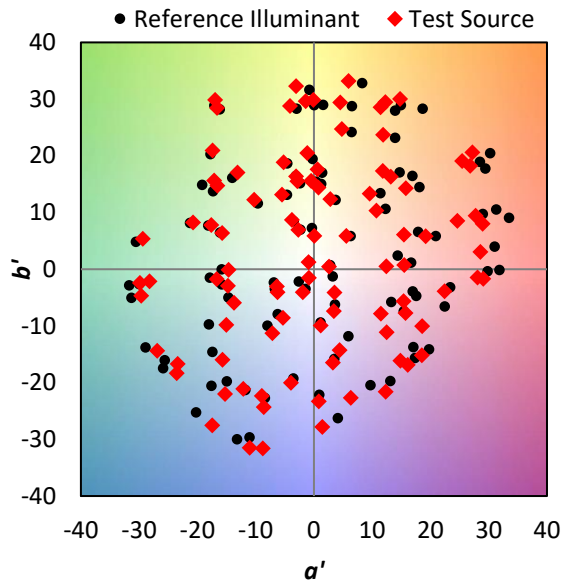
TM-30-18

Summary

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

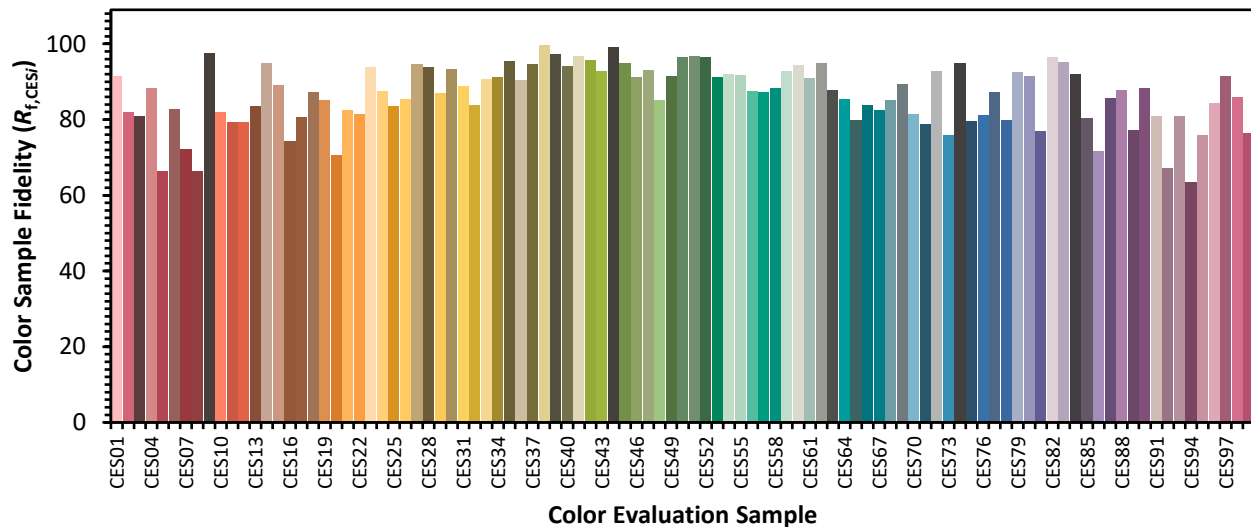


Color Vector Graphics

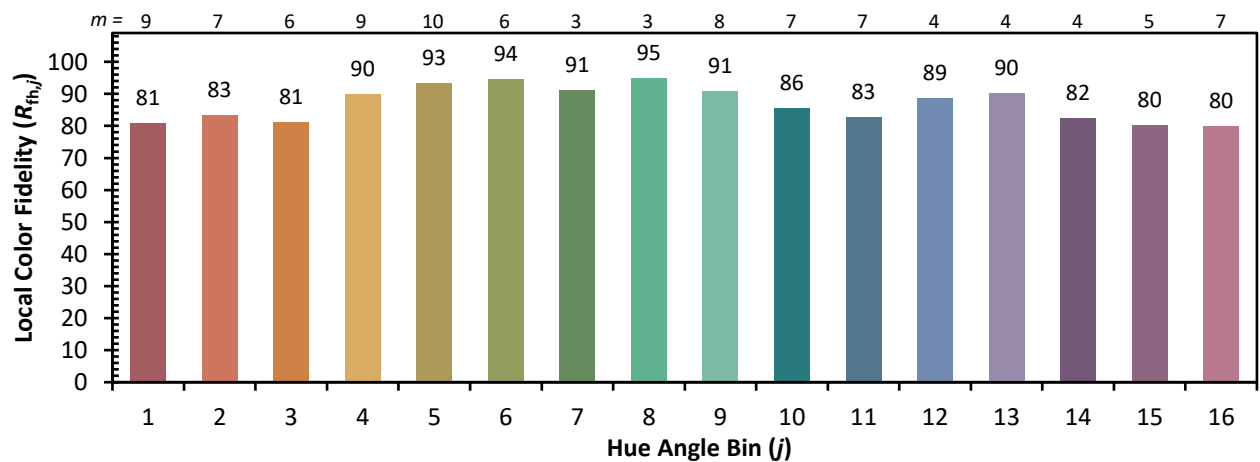
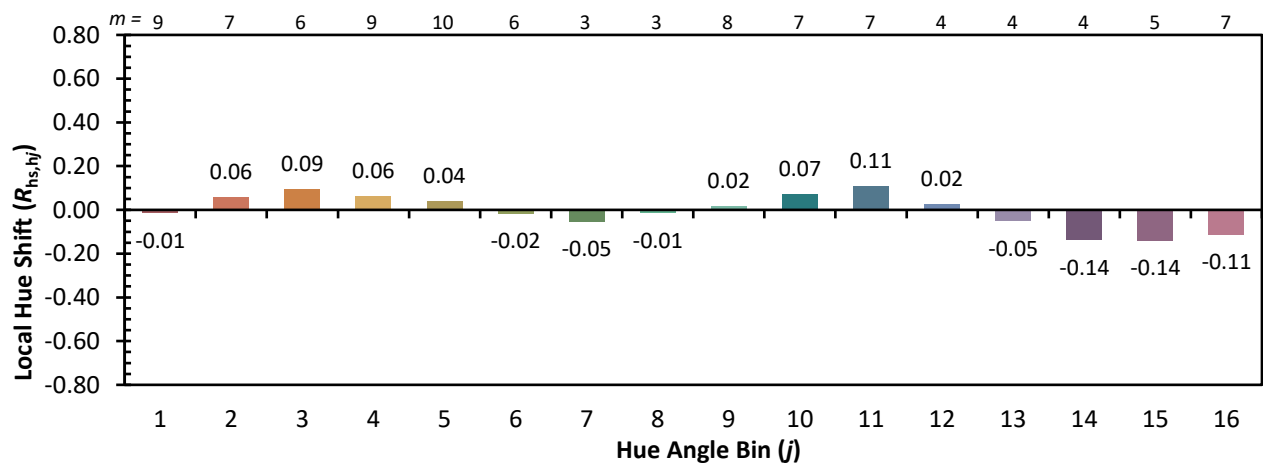
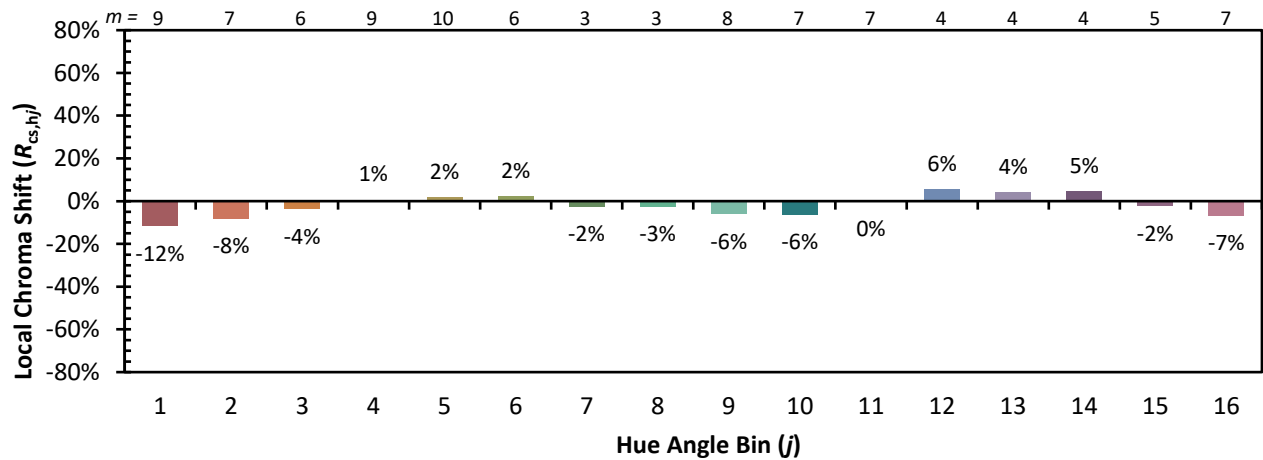


Individual Sample Fidelity Index ($R_{f,i}$)

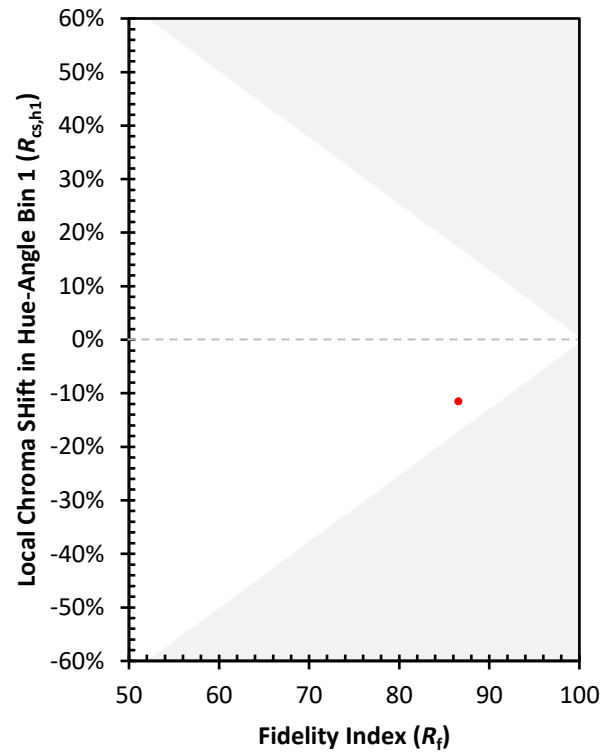
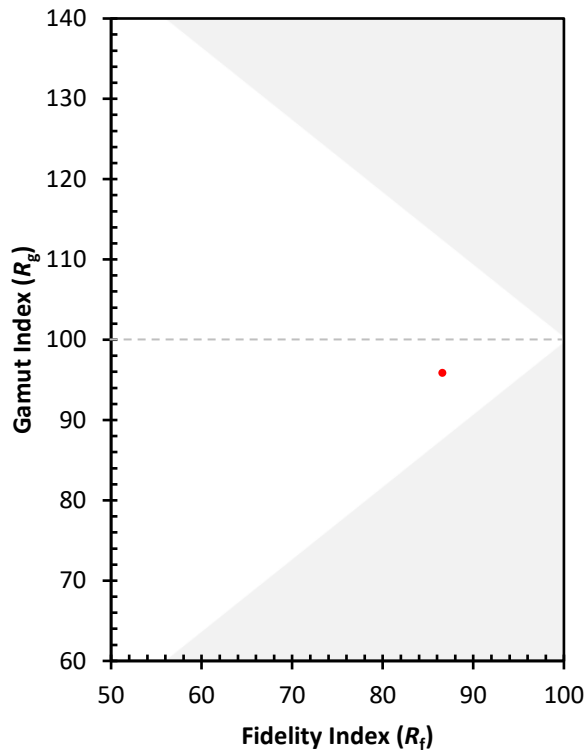
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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