

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: P1047961

Luminaire Tested: **GALN-SA4A-835-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047961
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-835-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13065.7 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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

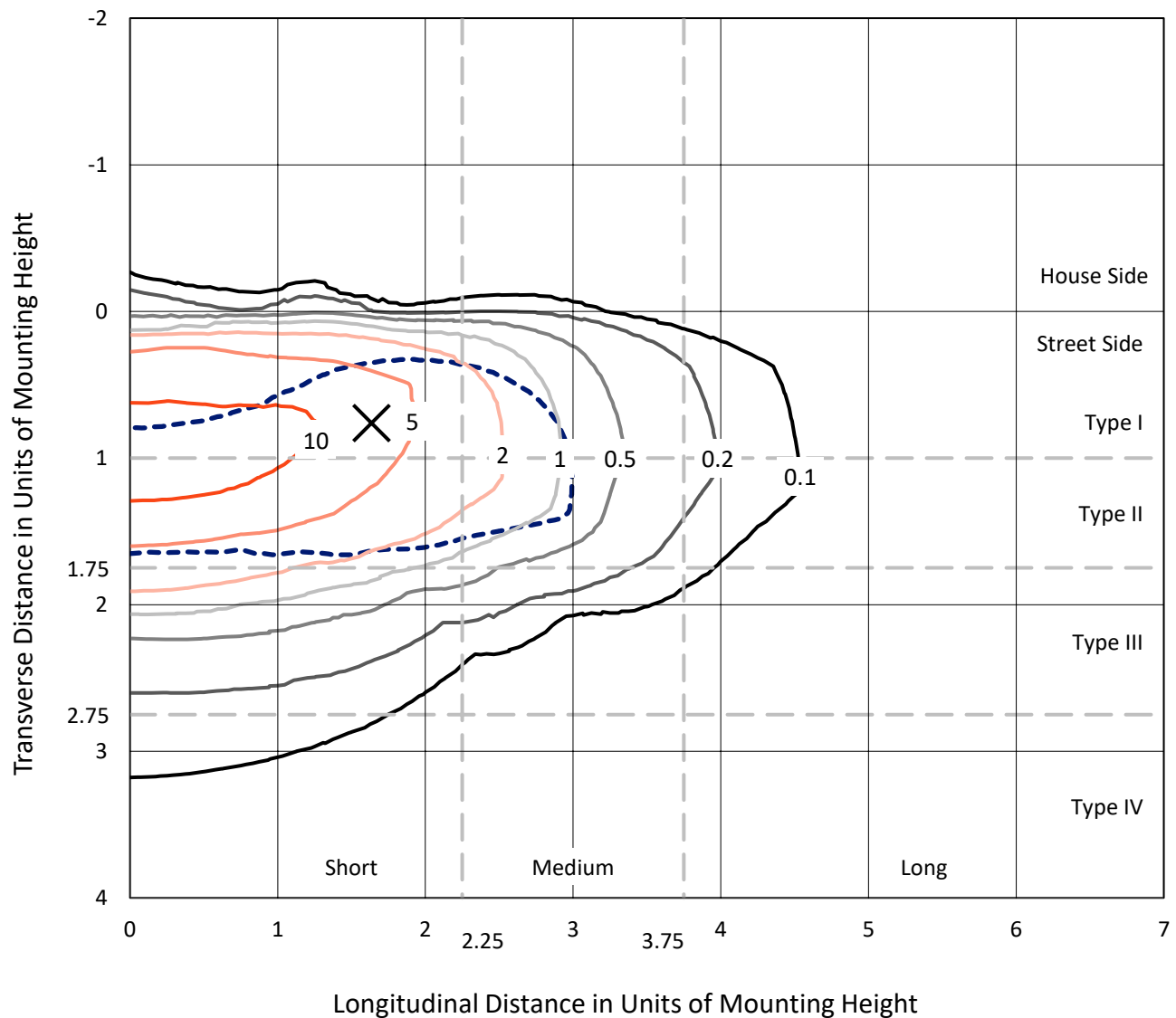


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

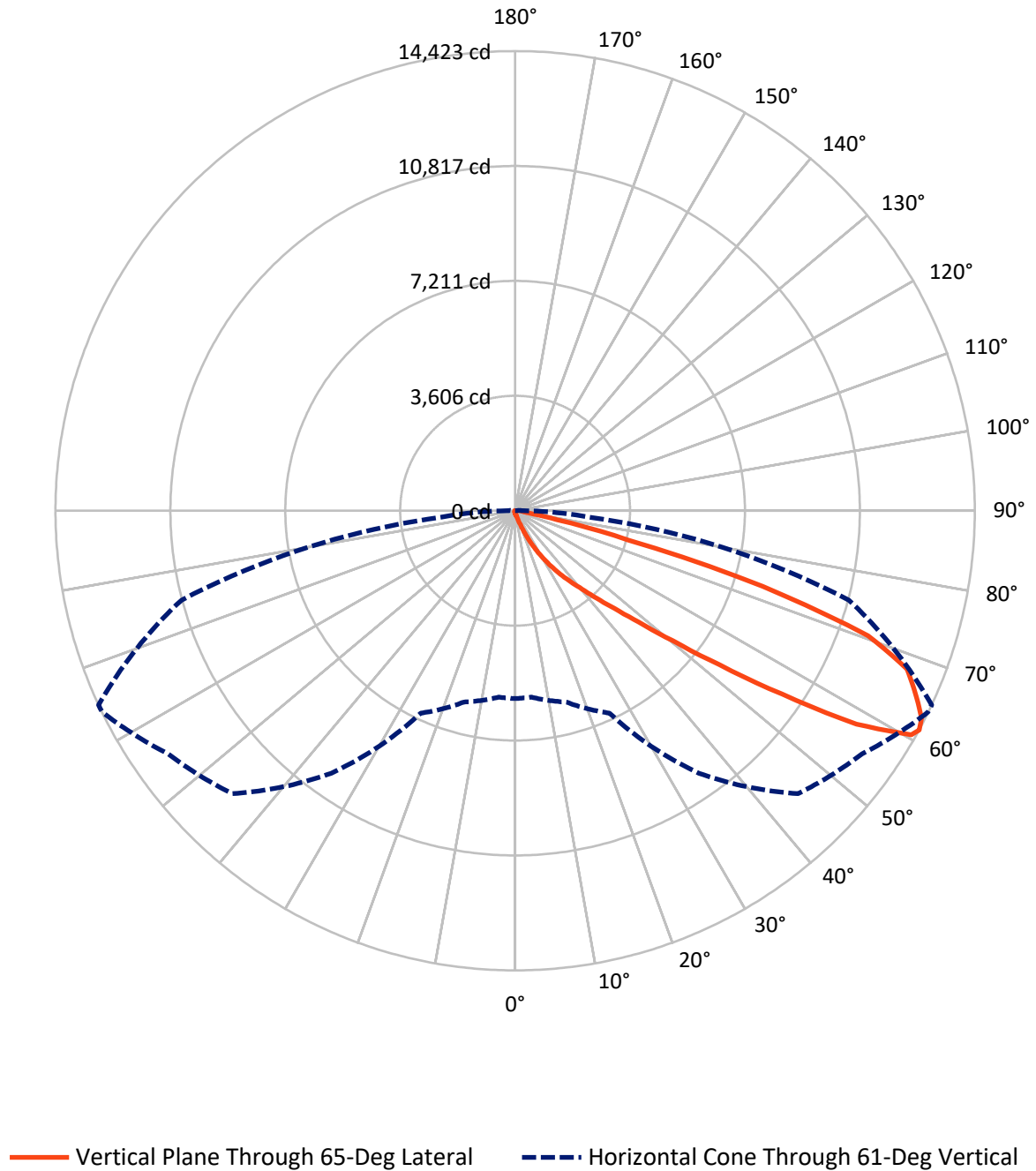


Based on 15 foot mounting height. Maximum calculated value = 17.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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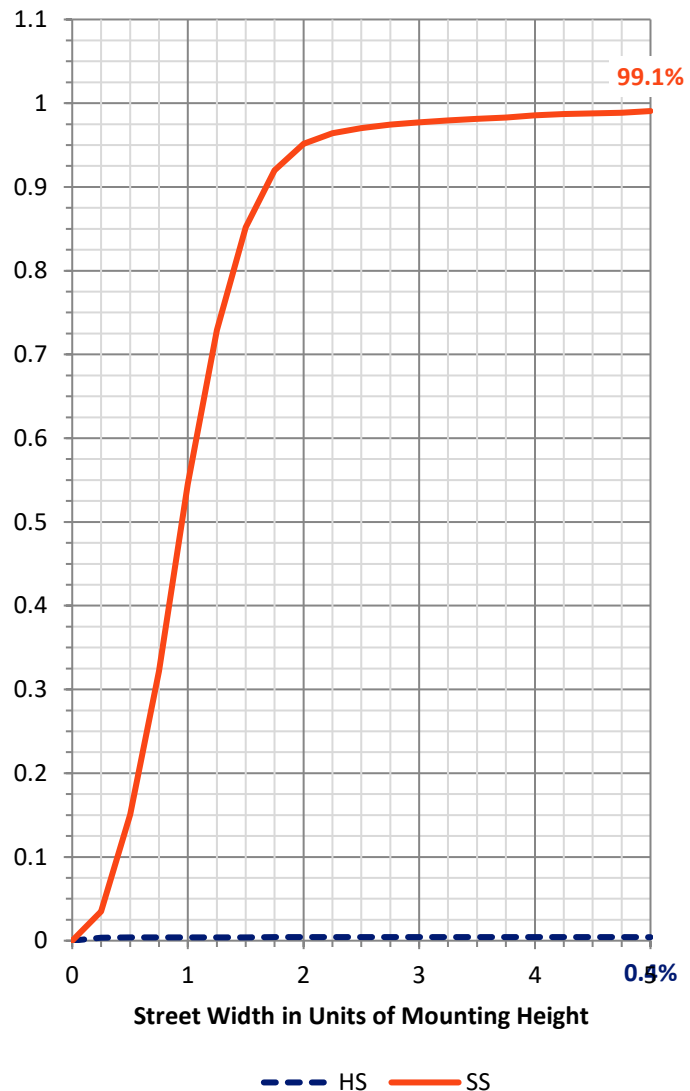
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55.8	0.0	55.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13009.9	0.0	13009.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	13065.7	0.0	13065.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.1
10°-20°	107.4	0.8
20°-30°	385.6	3.0
30°-40°	1026.6	7.9
40°-50°	2696.8	20.6
50°-60°	4177.9	32.0
60°-70°	3503.1	26.8
70°-80°	1030.9	7.9
80°-90°	127.2	1.0
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°	13065.7	100.0
0°-180°	13065.7	100.0



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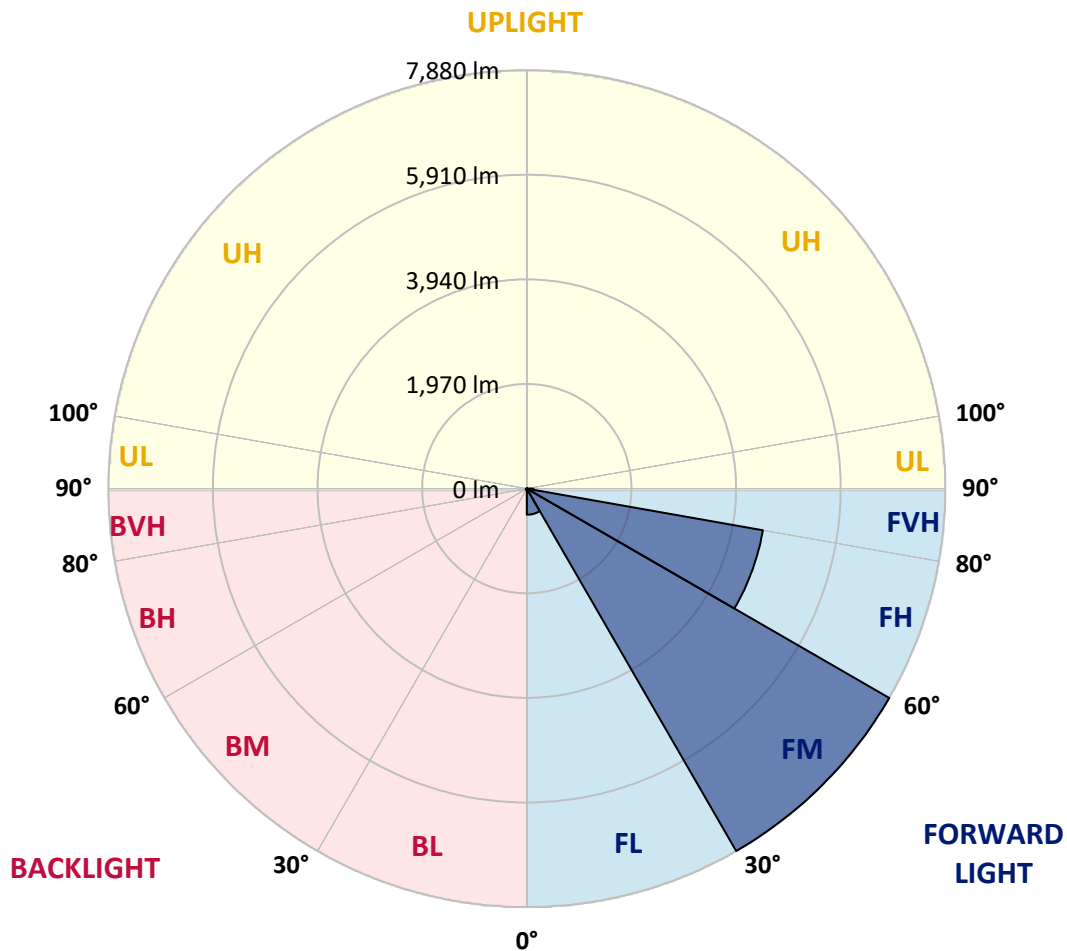
CATALOG NUMBER: GALN-SA4A-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	490.7	3.8			
FM	(30°-60°)	7880.1	60.3			
FH	(60°-80°)	4514.3	34.6			G2/5000
FVH	(80°-90°)	124.8	1.0			G2/225
BL	(0°-30°)	12.5	0.1	B0/110		
BM	(30°-60°)	21.2	0.2	B0/220		
BH	(60°-80°)	19.7	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2.5°	97.1	98.0	96.2	92.6	89.9	89.9	89.0	86.3	86.3	83.6	81.8
5°	135.7	133.9	130.3	123.1	116.8	110.5	104.3	98.0	97.1	89.0	83.6
7.5°	222.0	223.8	212.1	189.6	170.8	146.5	124.0	110.5	108.8	95.3	84.5
10°	487.1	473.7	446.7	359.5	295.7	222.9	165.4	128.5	126.7	102.5	86.3
12.5°	888.0	877.2	827.8	737.9	573.4	399.1	241.8	159.1	153.7	108.8	87.2
15°	1279.9	1262.8	1235.8	1145.0	952.7	715.4	395.5	217.5	203.1	117.7	86.3
17.5°	1529.7	1532.4	1508.1	1469.5	1345.5	1058.8	683.1	324.5	296.6	133.9	84.5
20°	1748.1	1741.8	1755.3	1734.6	1647.5	1438.9	994.0	514.1	466.5	160.0	85.4
22.5°	1999.8	2015.1	2024.9	2020.5	1924.3	1746.3	1347.3	769.4	709.1	207.6	88.1
25°	2336.8	2335.0	2335.9	2324.2	2230.8	2033.0	1701.4	1086.6	1025.5	284.9	94.4
27.5°	2690.0	2700.8	2705.3	2663.1	2540.8	2346.7	2029.4	1433.6	1361.6	408.9	102.5
30°	3172.7	3163.7	3143.0	3056.7	2908.4	2667.6	2353.0	1797.6	1722.1	582.4	115.0
32.5°	3823.4	3813.5	3709.3	3518.7	3296.7	3001.9	2678.4	2162.5	2070.8	799.0	132.1
35°	4895.6	4910.9	4654.8	4161.3	3763.2	3403.7	3038.8	2525.6	2444.7	1066.0	155.5
37.5°	6537.7	6454.1	6106.3	5234.5	4377.0	3905.2	3383.0	2892.3	2822.2	1394.9	186.0
40°	8133.0	8050.4	7949.7	7123.7	5443.9	4457.9	3864.7	3322.8	3232.0	1766.1	231.0
42.5°	9810.2	9764.3	9759.8	9137.0	7390.7	5327.1	4444.5	3827.0	3749.7	2173.2	304.7
45°	10998.3	10952.5	11048.7	11157.4	10042.0	7189.3	5453.8	4482.2	4369.9	2667.6	422.4
47.5°	11158.3	11160.1	11417.2	11757.8	12012.2	10069.9	6798.4	5350.4	5213.8	3374.9	620.2
50°	10626.3	10646.9	11055.9	11665.2	12350.1	12486.7	9169.3	6610.5	6408.3	4213.5	900.6
52.5°	9613.3	9636.7	10206.5	11208.7	12039.1	13067.3	11960.9	8258.9	8026.1	5259.6	1296.0
55°	8701.1	8715.4	9368.9	10635.2	11664.3	12751.9	13618.3	10460.0	10154.4	6546.7	1686.1
57.5°	7797.8	7764.5	8189.7	9639.4	11600.5	12364.5	13862.7	12968.5	12631.4	7953.3	1989.9
60°	6589.8	6534.1	6875.7	7797.8	10761.1	12618.8	13405.3	14356.2	14279.8	9911.7	2224.5
61°	5895.1	5871.7	6215.0	7006.0	10054.6	12554.1	13295.6	14414.6	14422.7	10838.4	2329.6
62.5°	4209.9	4276.4	4801.3	5829.5	8421.5	12134.4	13310.0	14233.9	14313.9	12069.7	2602.0
65°	1871.3	1978.2	2386.3	3223.0	4897.4	10094.2	13182.4	13837.6	13798.0	12407.6	3540.3
67.5°	1110.0	1126.2	1329.3	1826.3	2593.9	5429.5	11632.9	13313.6	13260.6	10801.5	4404.9
70°	874.5	882.6	947.3	1145.9	1505.5	2079.8	6639.3	11518.7	11749.7	8758.6	4312.3
72.5°	829.6	827.8	836.8	871.8	948.2	1031.8	2570.5	7656.7	8126.7	6307.6	3615.8
75°	818.8	815.2	806.2	792.7	686.7	607.6	796.3	3386.6	3658.9	4309.6	2722.4
77.5°	794.5	795.4	797.2	760.4	588.7	429.6	385.6	1086.6	1336.5	2735.0	1935.1
80°	537.5	545.6	559.0	544.7	529.4	311.0	272.3	386.5	391.9	1535.1	1278.1
82.5°	272.3	272.3	266.0	237.3	204.9	202.2	216.6	280.4	284.0	776.5	601.3
85°	164.5	173.5	177.1	160.9	147.4	135.7	165.4	222.9	231.0	301.1	140.2
87.5°	36.8	37.7	41.3	54.8	80.0	108.8	153.7	204.0	207.6	193.2	17.1
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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CATALOG NUMBER: GALN-SA4A-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2.5°	80.9	79.1	78.2	75.5	72.8	70.1	68.3	67.4	68.3	69.2	69.2
5°	80.0	77.3	72.8	68.3	64.7	61.1	57.5	56.6	56.6	57.5	57.5
7.5°	80.0	75.5	69.2	63.8	58.4	53.0	50.3	48.5	49.4	49.4	49.4
10°	80.0	74.6	66.5	58.4	52.1	45.8	41.3	39.5	39.5	39.5	39.5
12.5°	79.1	73.7	63.8	53.9	44.9	37.7	32.4	29.7	30.6	30.6	30.6
15°	77.3	71.0	60.2	45.8	36.0	28.8	23.4	20.7	21.6	23.4	24.3
17.5°	74.6	68.3	53.9	38.6	28.8	21.6	16.2	14.4	15.3	18.0	18.0
20°	73.7	65.6	47.6	31.5	21.6	15.3	10.8	9.0	9.9	13.5	14.4
22.5°	73.7	63.8	43.1	26.1	16.2	9.9	6.3	3.6	3.6	6.3	6.3
25°	74.6	62.9	39.5	21.6	11.7	7.2	3.6	1.8	3.6	9.9	11.7
27.5°	76.4	62.0	37.7	18.0	9.0	6.3	2.7	6.3	10.8	10.8	10.8
30°	78.2	60.2	35.1	15.3	8.1	4.5	4.5	9.0	9.0	10.8	11.7
32.5°	80.9	59.3	33.3	13.5	6.3	3.6	6.3	5.4	5.4	6.3	7.2
35°	86.3	60.2	31.5	13.5	6.3	4.5	5.4	2.7	1.8	1.8	1.8
37.5°	93.5	61.1	28.8	11.7	5.4	5.4	2.7	0.0	0.0	0.0	0.0
40°	105.2	63.8	27.0	10.8	4.5	4.5	0.9	0.0	0.0	0.0	0.0
42.5°	124.9	69.2	26.1	9.9	4.5	3.6	0.0	0.0	0.0	0.0	0.0
45°	164.5	81.8	24.3	9.0	4.5	1.8	0.0	0.0	0.0	0.0	0.0
47.5°	236.4	111.4	23.4	7.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	345.1	151.0	22.5	6.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	440.4	159.1	15.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	451.2	109.7	11.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	359.5	71.0	9.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	272.3	53.9	9.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	261.5	48.5	9.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	288.5	42.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	469.2	35.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	815.2	30.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1030.0	28.8	5.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	897.9	26.1	5.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	540.2	22.5	5.4	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	283.1	17.1	5.4	4.5	2.7	0.9	0.0	0.0	0.0	0.0	0.0
80°	137.5	15.3	6.3	4.5	3.6	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	53.9	12.6	7.2	6.3	4.5	2.7	0.9	0.0	0.0	0.0	0.0
85°	24.3	10.8	8.1	7.2	6.3	3.6	0.9	0.0	0.0	0.0	0.0
87.5°	12.6	9.9	9.0	8.1	6.3	4.5	1.8	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

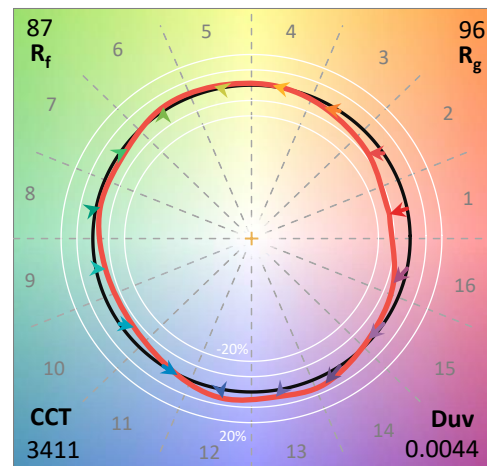
Test Information

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

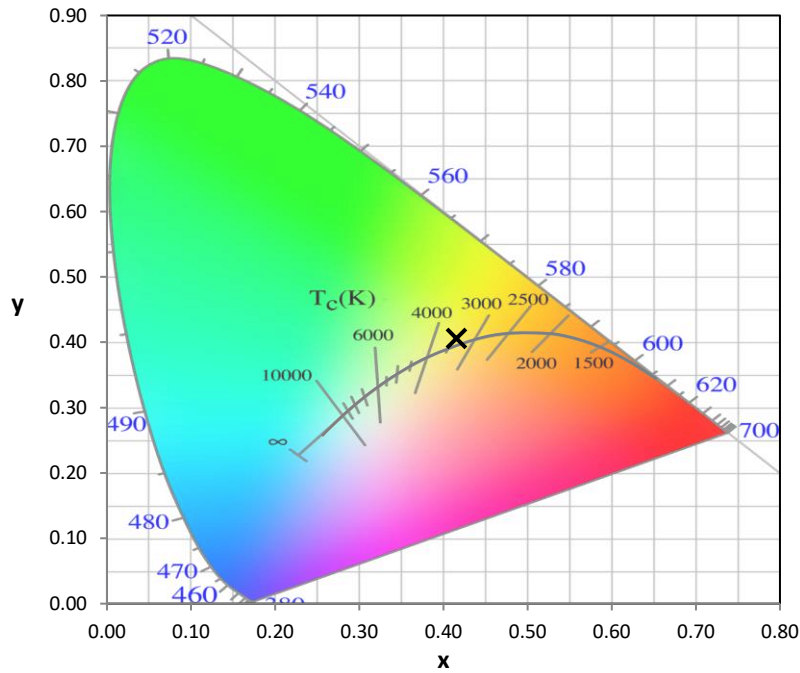
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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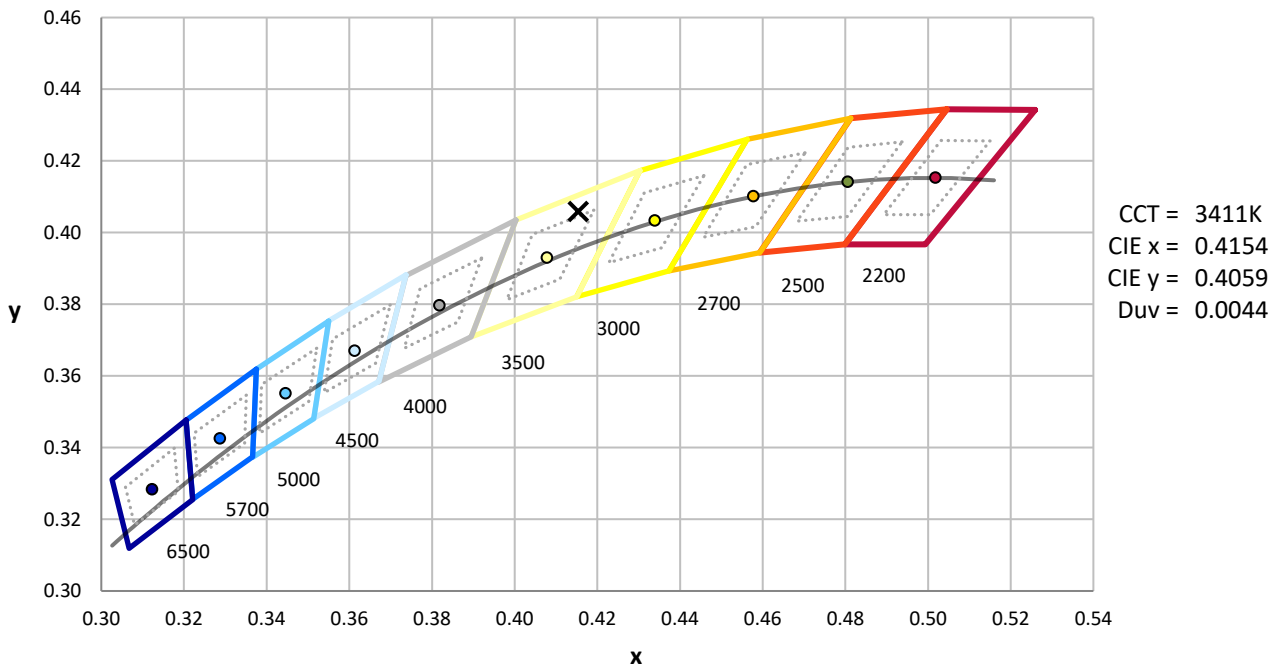
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



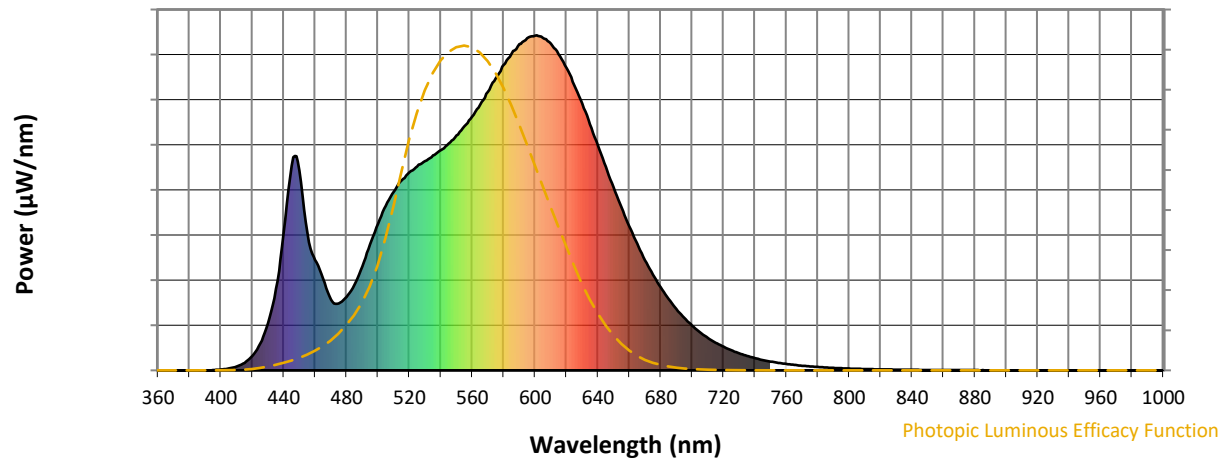
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

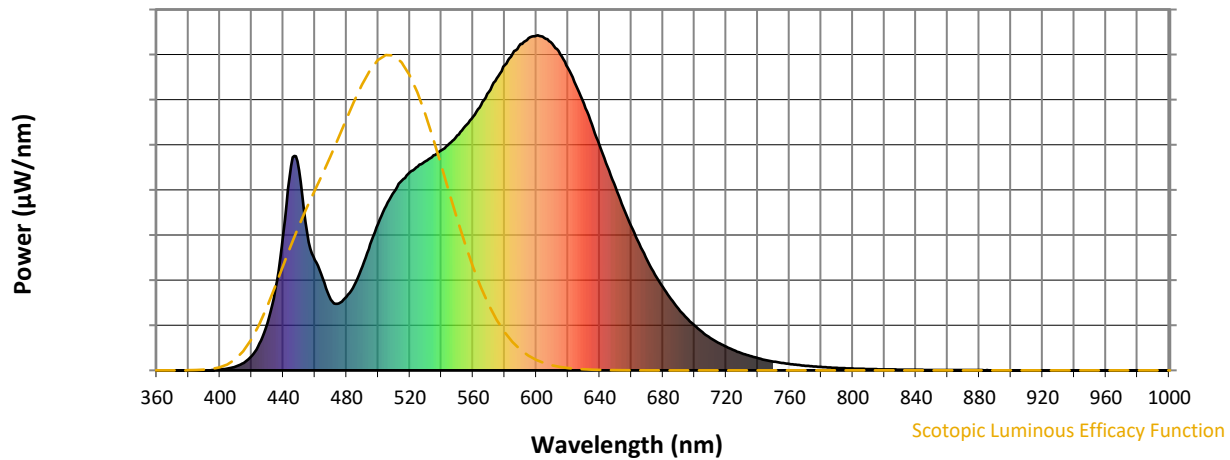


Photopic Lumens: NR

λ (nm)	Power 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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Scotopic Flux vs. Wavelength



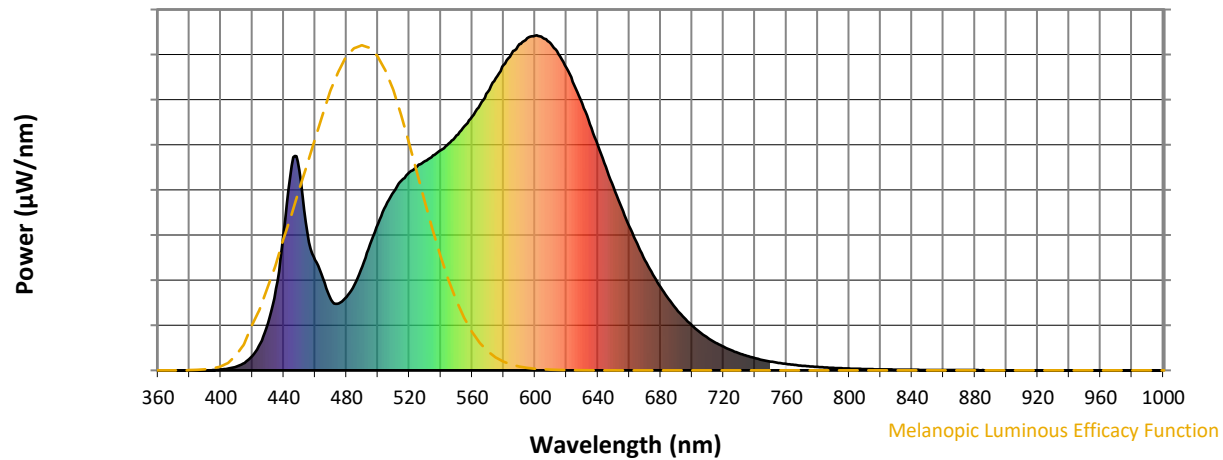
Scotopic Lumens: NR

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

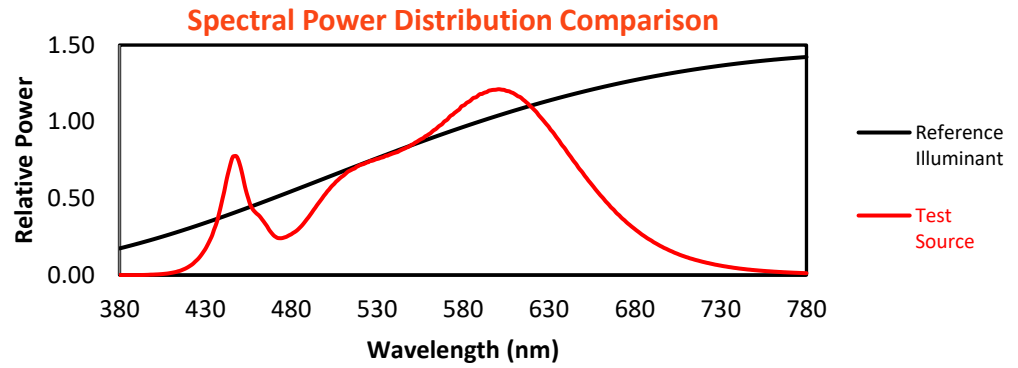
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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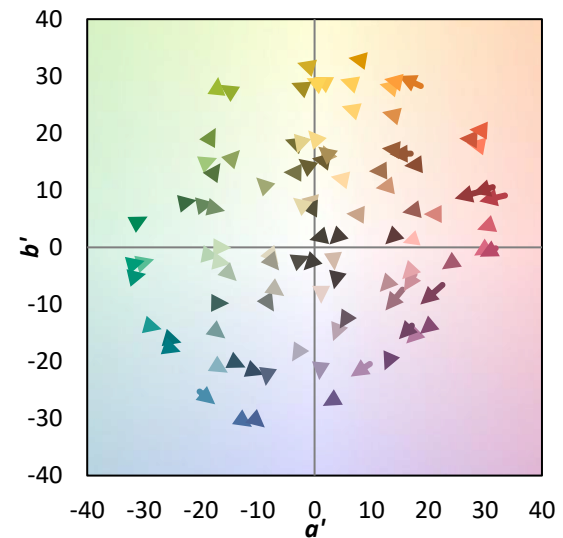
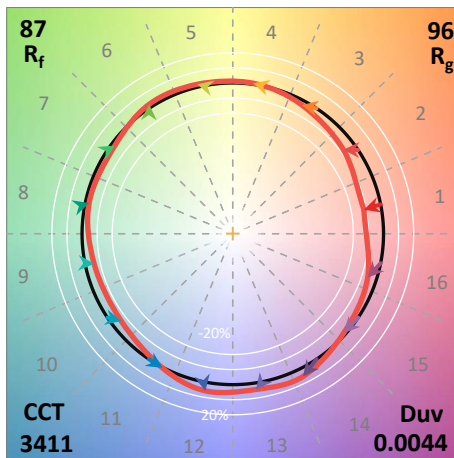
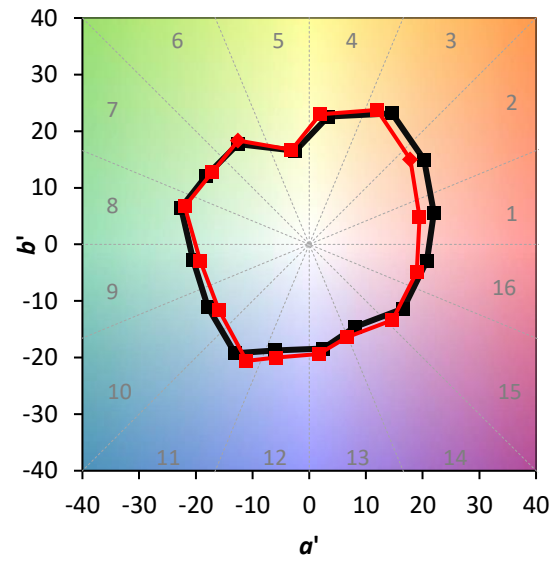
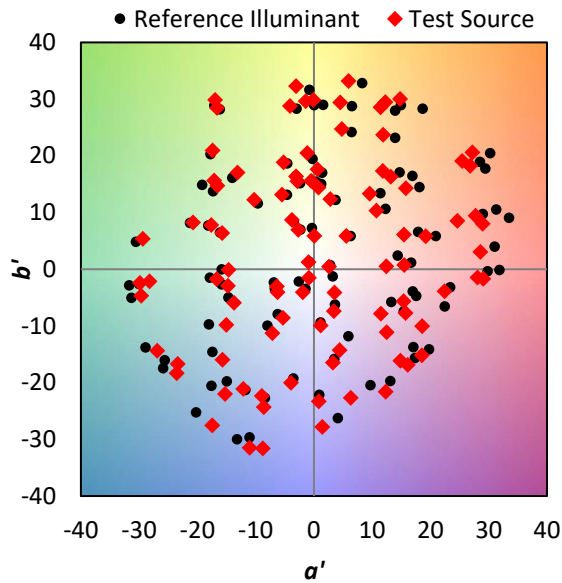
TM-30-18

Summary

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

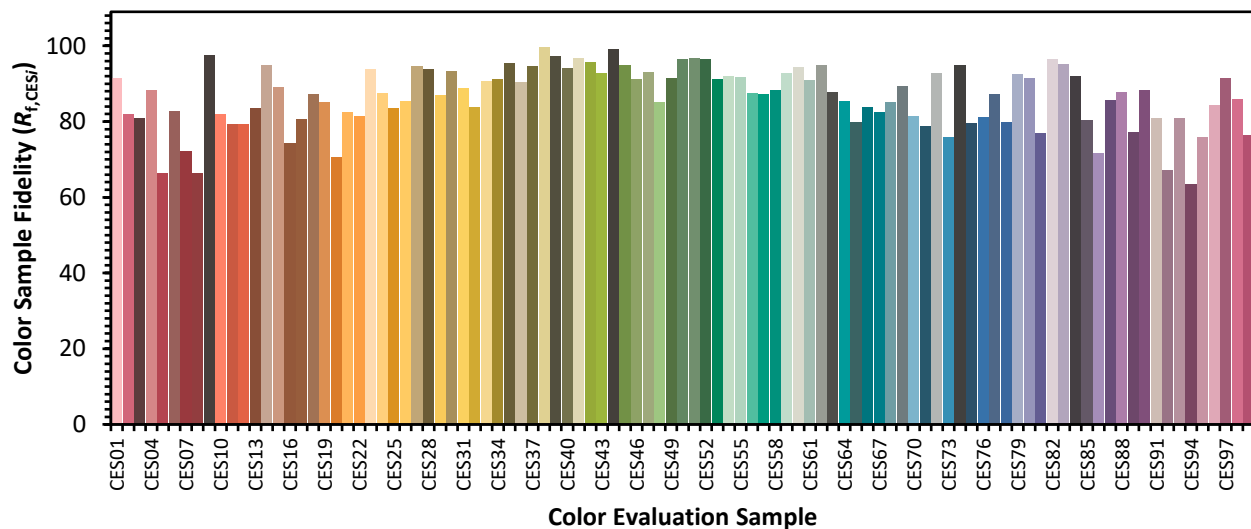


Color Vector Graphics

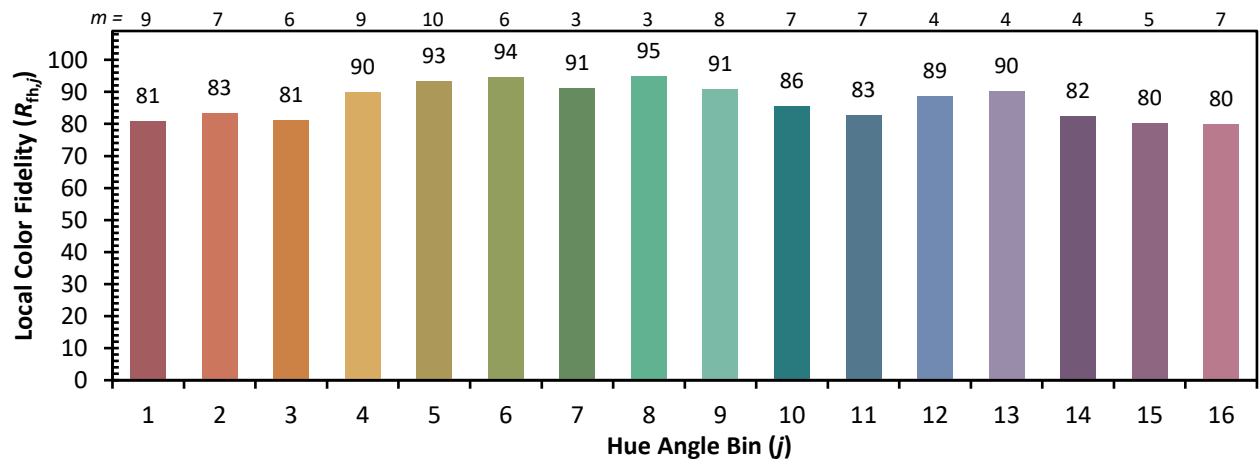
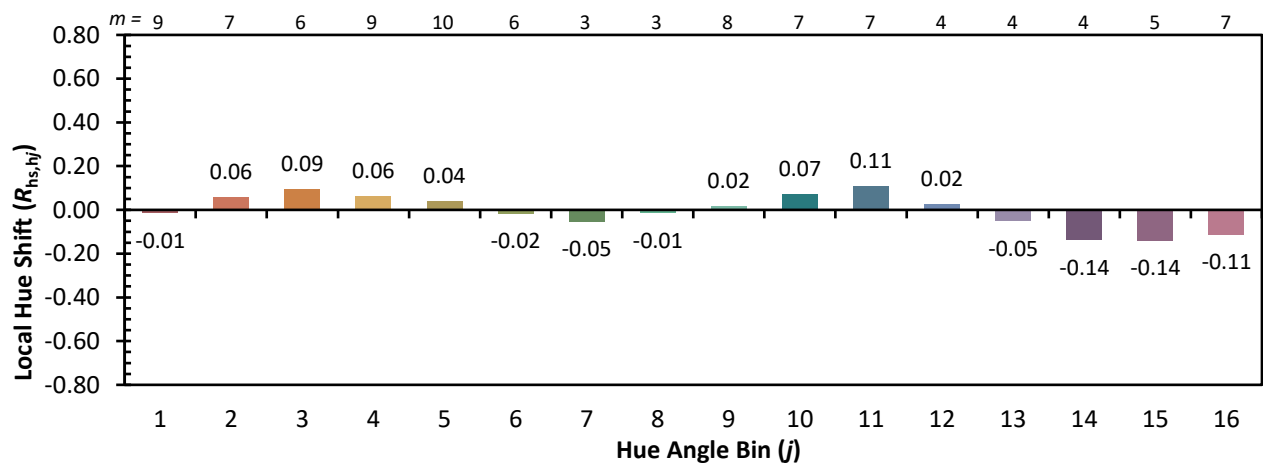
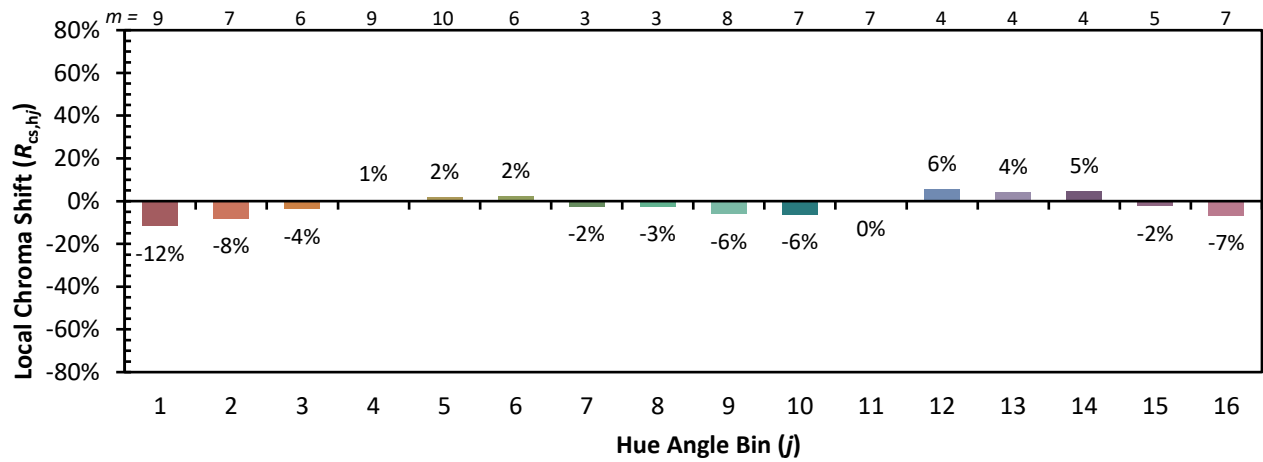


Individual Sample Fidelity Index ($R_{f,i}$)

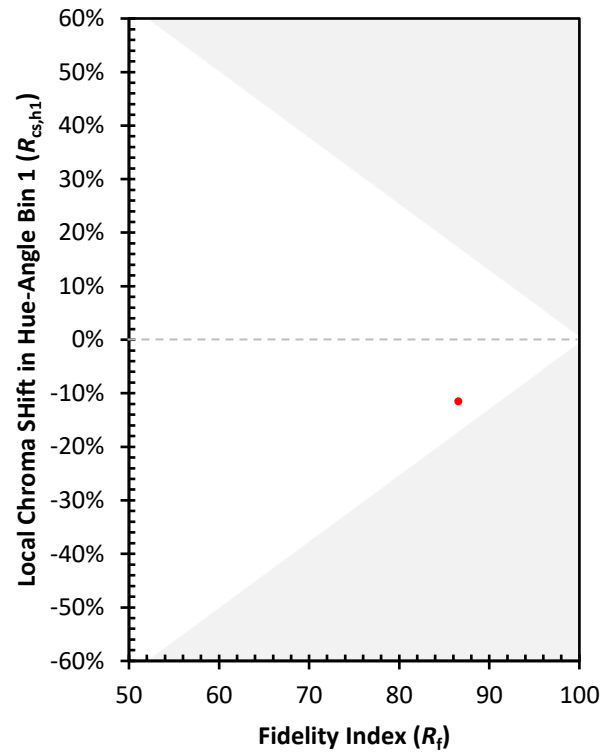
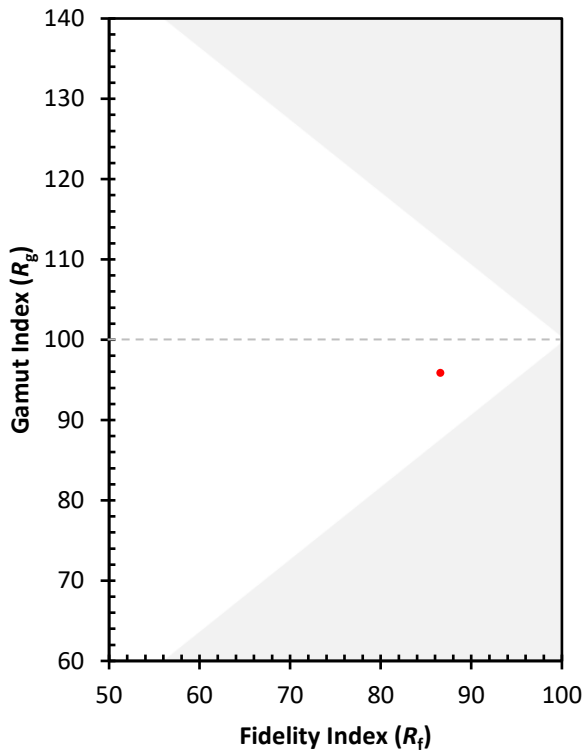
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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