

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: P1048574

Luminaire Tested: **GALN-SA4B-835-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048574
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-835-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16418.3 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 144.1
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

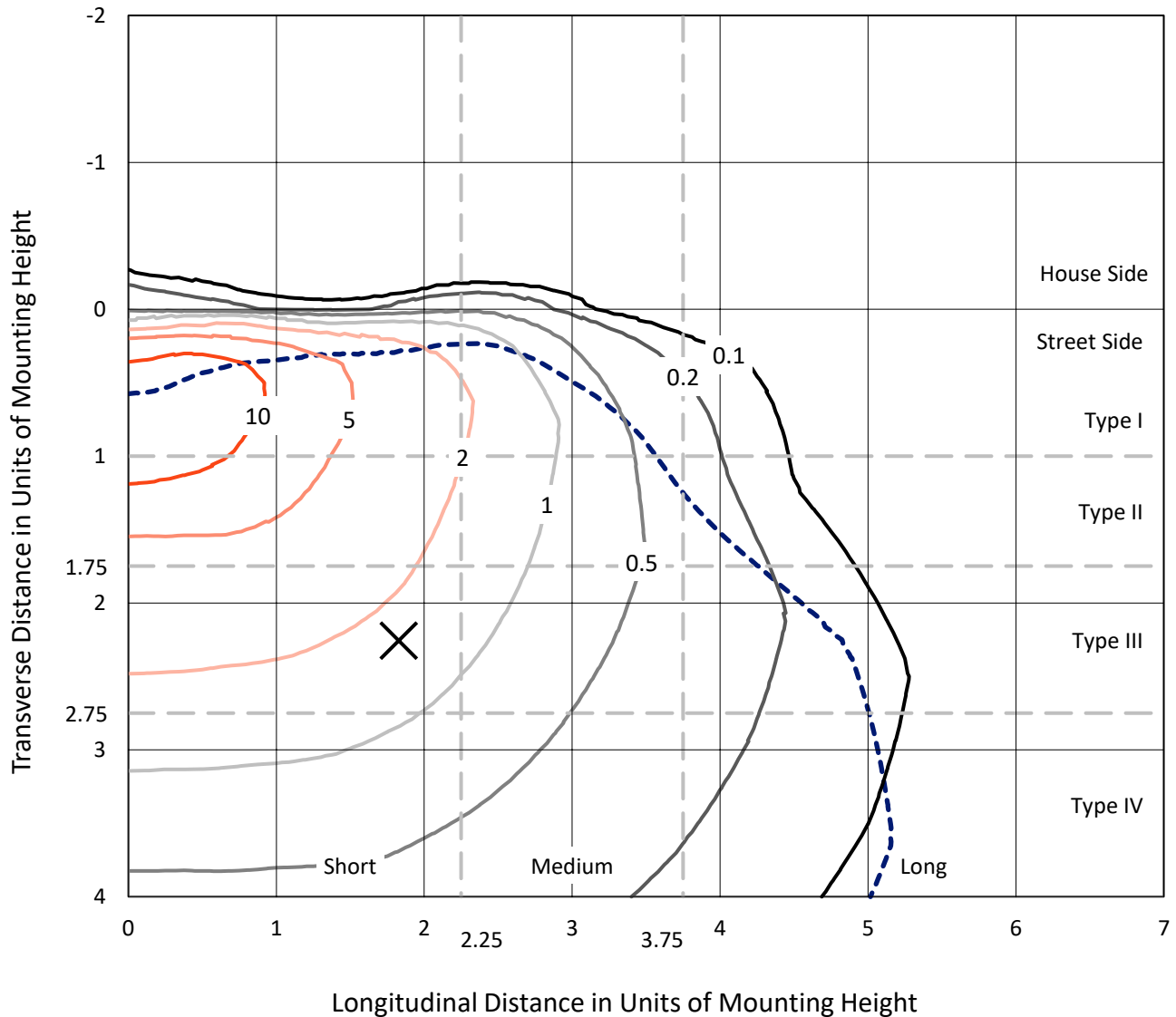


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CATALOG NUMBER: GALN-SA4B-835-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

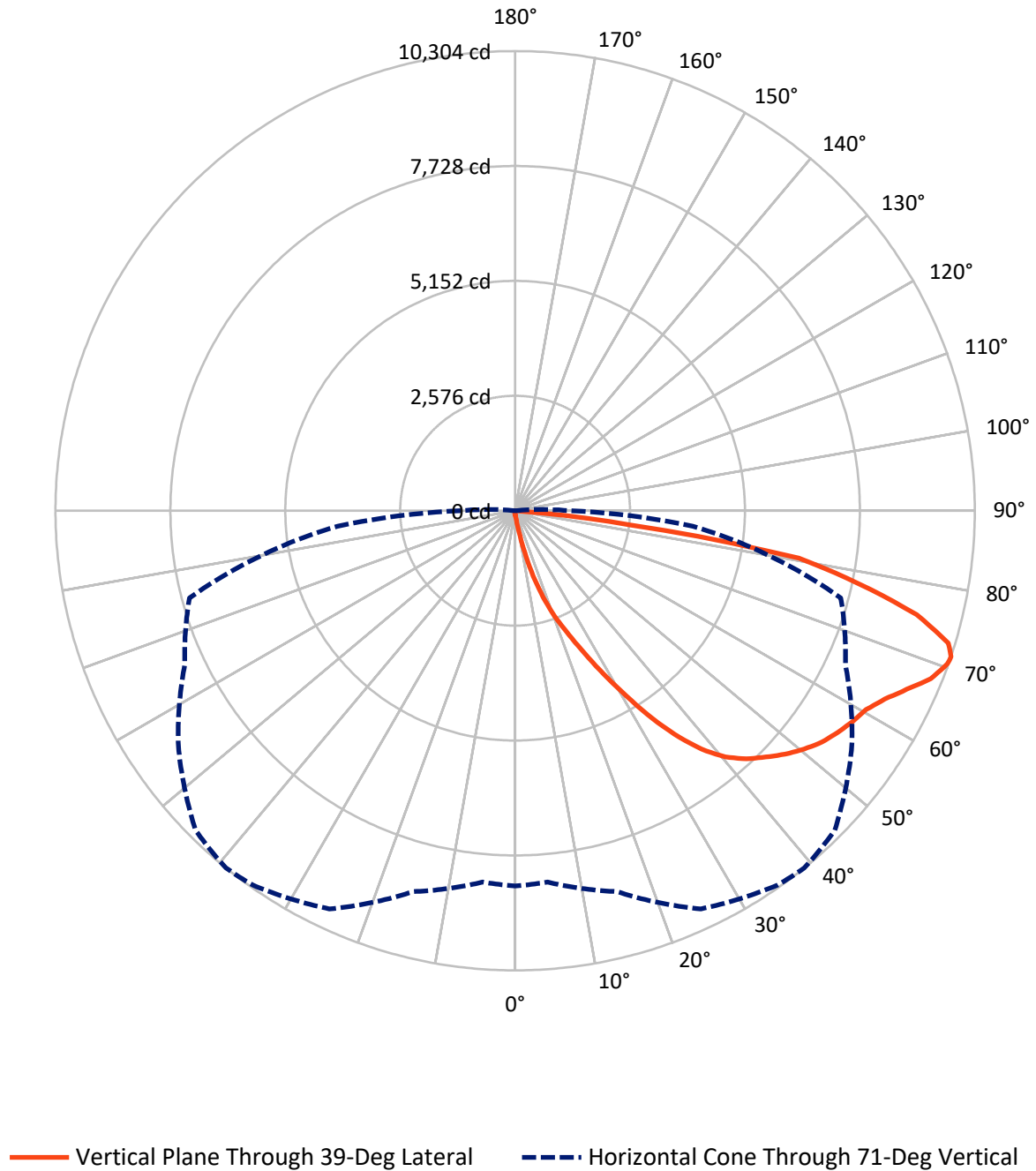


Based on 15 foot mounting height. Maximum calculated value = 16.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	58.3	0.0	58.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16359.9	0.0	16359.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	16418.3	0.0	16418.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	175.5	1.1
20°-30°	624.9	3.8
30°-40°	1506.1	9.2
40°-50°	2520.6	15.4
50°-60°	3237.4	19.7
60°-70°	4097.0	25.0
70°-80°	3652.6	22.2
80°-90°	590.4	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°	16418.3	100.0
0°-180°	16418.3	100.0



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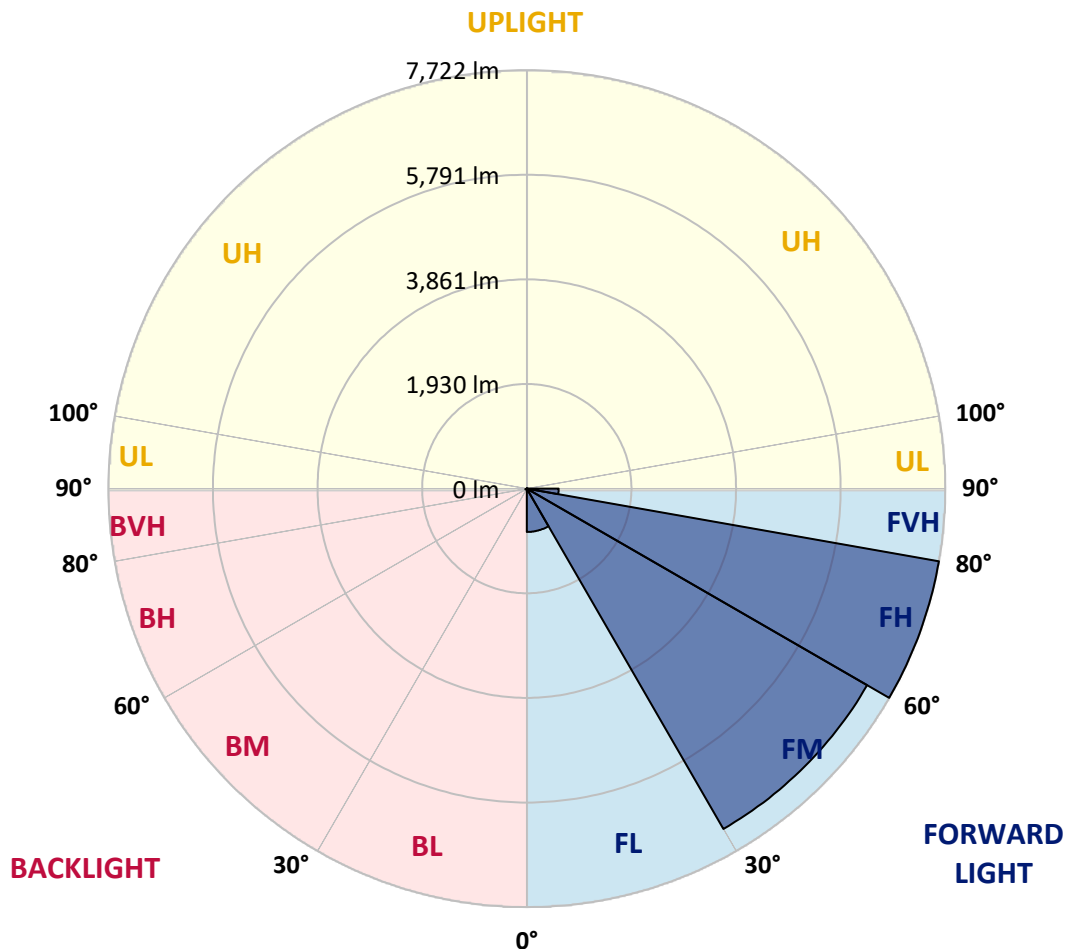
CATALOG NUMBER: GALN-SA4B-835-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	800.0	4.9			
FM	(30°-60°)	7250.6	44.2			
FH	(60°-80°)	7721.5	47.0			G4/12000
FVH	(80°-90°)	587.7	3.6			G4/750
BL	(0°-30°)	14.1	0.1	B0/110		
BM	(30°-60°)	13.5	0.1	B0/220		
BH	(60°-80°)	28.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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°	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2.5°	103.4	103.4	103.4	100.0	100.0	98.9	97.8	97.8	95.6	94.5	92.2
5°	156.7	153.4	145.6	141.2	132.3	126.7	121.1	113.4	105.6	100.0	93.4
7.5°	354.5	362.3	336.8	289.0	240.1	219.0	183.4	147.8	122.3	105.6	94.5
10°	903.6	899.1	812.5	716.9	553.5	487.9	382.3	241.2	157.8	115.6	95.6
12.5°	1537.1	1532.7	1430.4	1300.4	1084.8	948.0	748.0	450.1	226.7	131.1	95.6
15°	2069.5	2051.7	2019.5	1890.5	1638.2	1523.8	1259.3	795.8	366.8	157.8	97.8
17.5°	2421.8	2406.2	2376.2	2329.6	2169.5	2033.9	1821.6	1250.4	593.5	204.5	102.3
20°	2745.2	2734.1	2709.7	2700.8	2597.4	2525.2	2349.6	1772.7	924.7	277.9	108.9
22.5°	3189.8	3166.5	3176.5	3123.1	3022.0	2935.3	2827.5	2319.6	1329.3	400.1	121.1
25°	3734.4	3723.3	3695.5	3657.7	3517.7	3442.1	3276.5	2835.3	1781.6	560.2	134.5
27.5°	4392.4	4380.1	4373.5	4286.8	4125.6	4043.4	3812.2	3322.1	2290.7	784.7	152.3
30°	5150.4	5155.9	5112.6	5001.4	4813.6	4698.0	4460.2	3832.2	2811.9	1048.1	171.2
32.5°	5935.0	5923.9	5857.2	5726.1	5558.3	5450.5	5148.1	4391.3	3358.7	1396.0	193.4
35°	6780.8	6759.7	6584.1	6434.1	6290.7	6155.1	5879.5	5040.3	3905.6	1786.1	223.4
37.5°	7634.4	7535.5	7183.2	6993.1	6894.2	6783.1	6526.3	5732.8	4449.1	2221.7	260.1
40°	8279.0	8202.4	7784.5	7434.4	7355.4	7261.0	7069.8	6330.7	5027.0	2689.7	304.5
42.5°	8635.8	8593.6	8217.9	7872.3	7686.7	7603.3	7439.9	6853.1	5598.3	3206.5	369.0
45°	8788.1	8722.5	8471.3	8310.2	8014.5	7876.7	7682.2	7247.6	6195.1	3793.3	459.0
47.5°	8741.4	8703.6	8523.6	8582.5	8368.0	8153.5	7867.8	7549.9	6705.3	4466.8	582.4
50°	8448.0	8415.7	8360.2	8679.2	8652.5	8399.1	8107.9	7788.9	7122.0	5161.5	773.6
52.5°	7890.0	7876.7	8019.0	8603.6	8813.6	8615.8	8339.1	8000.1	7511.0	5887.2	1047.0
55°	7170.9	7225.4	7632.2	8485.8	8895.9	8775.9	8543.6	8197.9	7823.4	6536.3	1450.4
57.5°	6875.3	6889.8	7397.7	8402.4	8932.6	8917.0	8742.5	8386.9	8110.1	7055.4	2066.1
60°	7221.0	7198.7	7466.6	8465.8	9005.9	9043.7	8919.2	8562.5	8359.1	7501.0	2886.4
62.5°	7845.6	7833.4	7918.9	8735.8	9220.4	9297.1	9164.9	8689.2	8579.1	7794.5	3822.2
65°	8403.5	8378.0	8536.9	9214.9	9597.2	9651.7	9536.1	8905.9	8675.8	8007.9	4701.3
67.5°	8644.7	8639.1	8894.8	9670.6	9992.9	10051.8	9950.6	9204.9	8653.6	8075.7	5089.2
70°	8534.7	8513.6	8922.6	9863.9	10216.3	10283.0	10185.1	9316.0	8412.4	7861.1	4514.6
71°	8413.5	8356.8	8839.2	9850.6	10247.4	10304.1	10132.9	9214.9	8170.1	7556.6	3993.4
72.5°	8037.9	8047.9	8610.2	9711.7	10172.9	10156.2	9837.3	8852.5	7877.8	6865.3	3207.6
75°	7113.2	7172.1	7868.9	9128.2	9508.3	9296.0	8808.1	8160.1	7291.0	4922.5	2227.3
77.5°	5812.8	5900.6	6666.4	8005.6	7897.8	7876.7	7856.7	7189.8	6226.2	2644.1	1549.3
80°	2775.2	2965.3	4021.2	5715.0	6208.4	6447.4	6297.4	5793.9	4814.7	1259.3	925.8
82.5°	181.2	178.9	253.4	480.1	2023.9	2616.3	4156.7	4141.2	3356.5	613.5	377.9
85°	85.6	87.8	96.7	110.0	127.8	140.0	193.4	1133.7	1606.0	292.3	82.2
87.5°	50.0	51.1	60.0	76.7	100.0	111.1	132.3	170.0	208.9	161.2	17.8
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-SA4B-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2.5°	91.1	90.0	86.7	83.4	80.0	77.8	76.7	77.8	77.8	78.9	78.9
5°	91.1	87.8	82.2	75.6	71.1	66.7	64.5	63.4	64.5	64.5	64.5
7.5°	90.0	84.5	76.7	68.9	63.4	57.8	55.6	54.5	54.5	55.6	55.6
10°	87.8	82.2	72.2	63.4	56.7	50.0	46.7	43.3	43.3	43.3	44.5
12.5°	86.7	78.9	66.7	57.8	48.9	41.1	34.5	31.1	32.2	32.2	32.2
15°	84.5	75.6	63.4	52.2	41.1	31.1	25.6	22.2	23.3	24.5	23.3
17.5°	84.5	74.5	58.9	45.6	32.2	23.3	18.9	16.7	16.7	17.8	17.8
20°	84.5	72.2	55.6	38.9	24.5	17.8	13.3	12.2	12.2	14.4	15.6
22.5°	86.7	72.2	51.1	32.2	20.0	13.3	10.0	8.9	10.0	12.2	13.3
25°	90.0	71.1	46.7	28.9	16.7	10.0	7.8	5.6	6.7	8.9	10.0
27.5°	93.4	70.0	42.2	25.6	13.3	7.8	5.6	4.4	3.3	4.4	4.4
30°	96.7	70.0	37.8	21.1	11.1	5.6	3.3	2.2	1.1	0.0	0.0
32.5°	98.9	67.8	34.5	16.7	8.9	4.4	2.2	1.1	0.0	0.0	0.0
35°	101.1	65.6	30.0	13.3	6.7	3.3	1.1	0.0	0.0	0.0	0.0
37.5°	103.4	62.2	25.6	11.1	5.6	2.2	0.0	0.0	0.0	0.0	0.0
40°	105.6	57.8	21.1	10.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	107.8	54.5	17.8	7.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	113.4	52.2	14.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	123.4	50.0	13.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	137.8	47.8	12.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	157.8	46.7	11.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	193.4	45.6	10.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	254.5	44.5	10.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	390.1	42.2	10.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	696.9	41.1	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1214.8	42.2	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1741.6	44.5	7.8	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1490.4	38.9	7.8	4.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
71°	1214.8	34.5	7.8	4.4	2.2	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	781.3	26.7	6.7	4.4	2.2	2.2	1.1	0.0	0.0	0.0	0.0
75°	330.1	22.2	6.7	4.4	3.3	2.2	2.2	1.1	0.0	0.0	0.0
77.5°	141.2	16.7	6.7	5.6	4.4	3.3	3.3	2.2	1.1	0.0	0.0
80°	53.3	13.3	7.8	6.7	5.6	5.6	4.4	2.2	1.1	0.0	0.0
82.5°	24.5	11.1	7.8	6.7	6.7	5.6	4.4	3.3	2.2	0.0	0.0
85°	15.6	10.0	7.8	6.7	6.7	5.6	5.6	3.3	2.2	0.0	0.0
87.5°	12.2	10.0	7.8	7.8	6.7	6.7	4.4	3.3	1.1	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

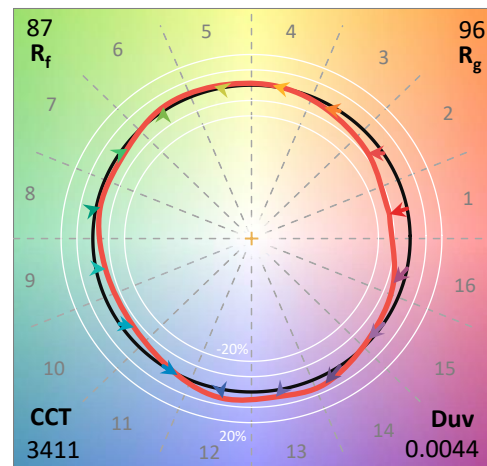
Test Information

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

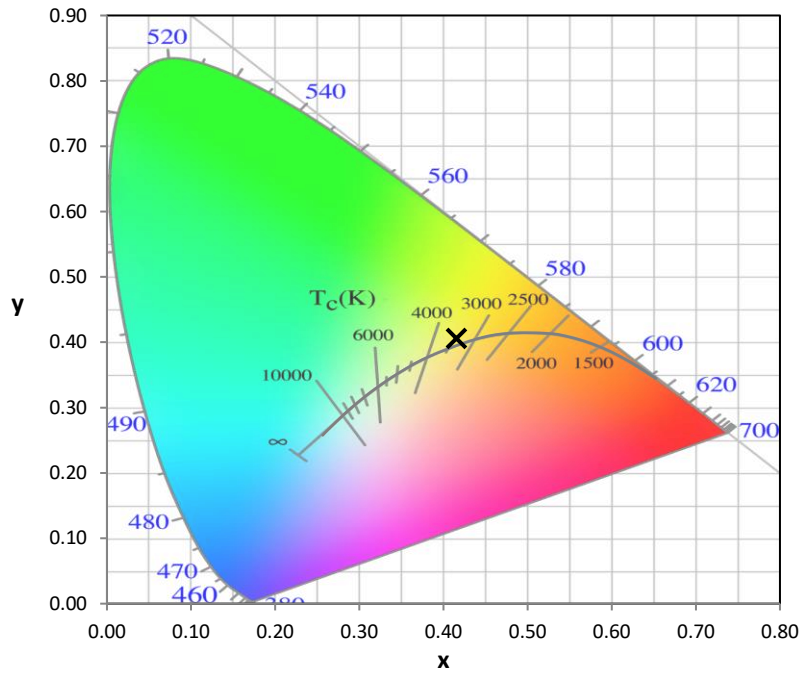
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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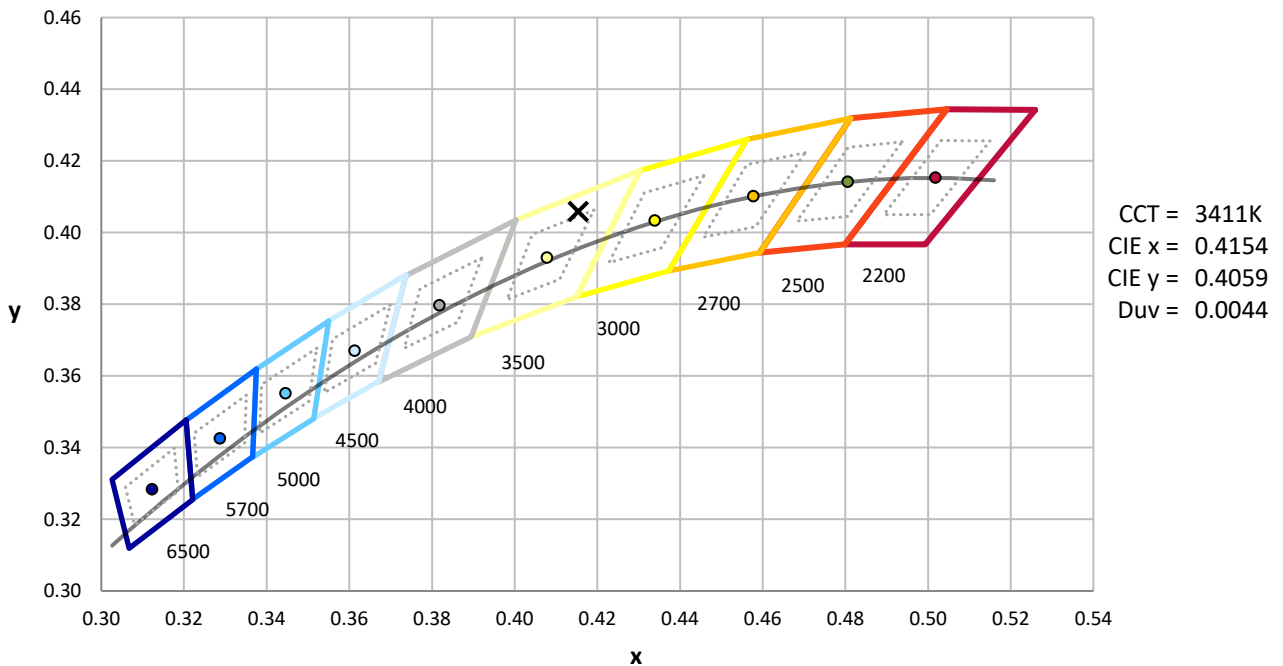
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



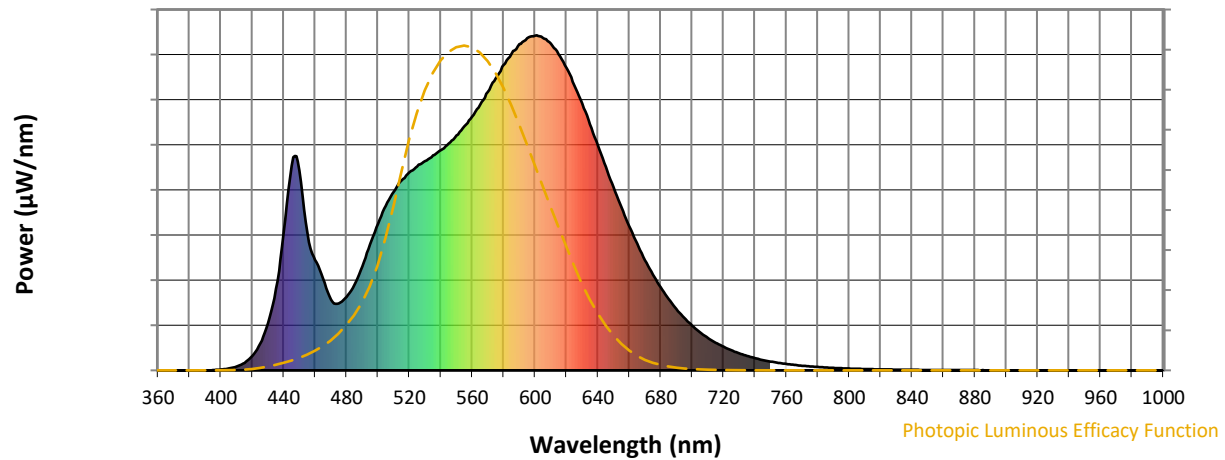
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

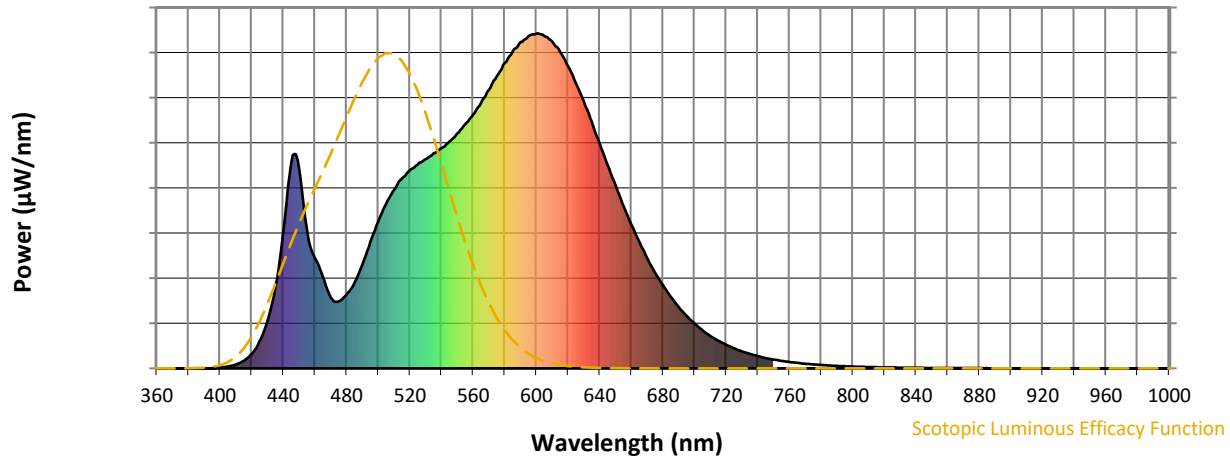


Photopic Lumens: NR

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



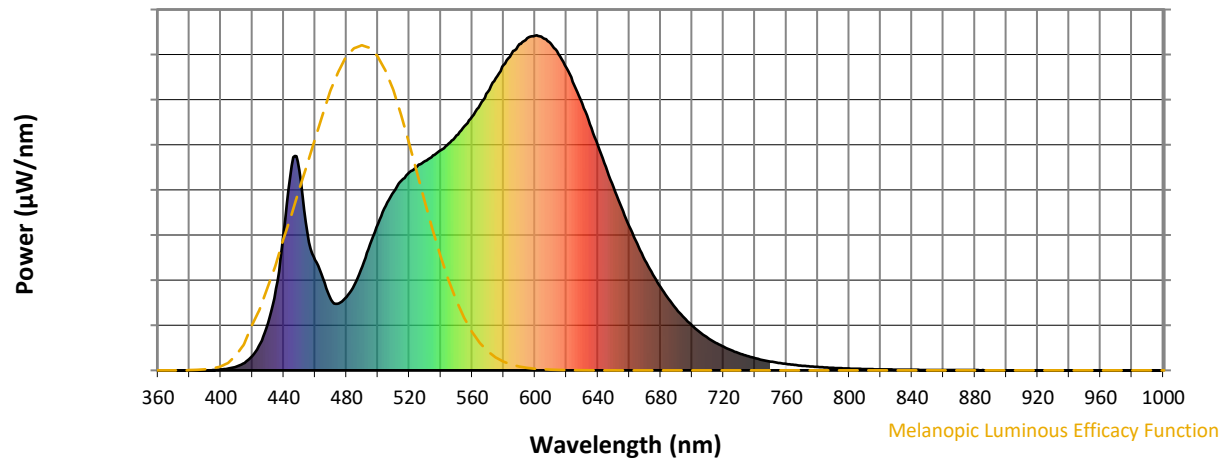
Scotopic Lumens: NR

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

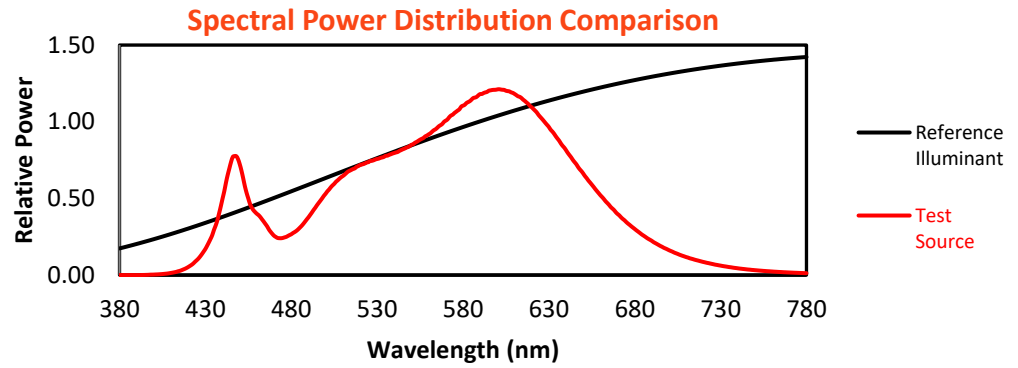
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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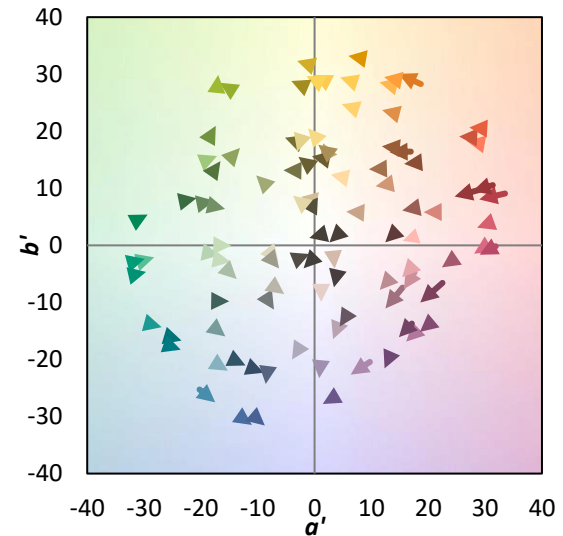
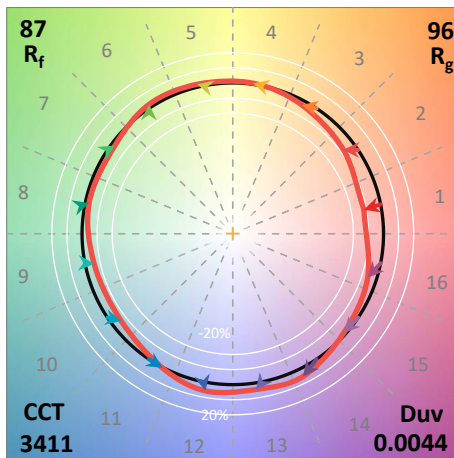
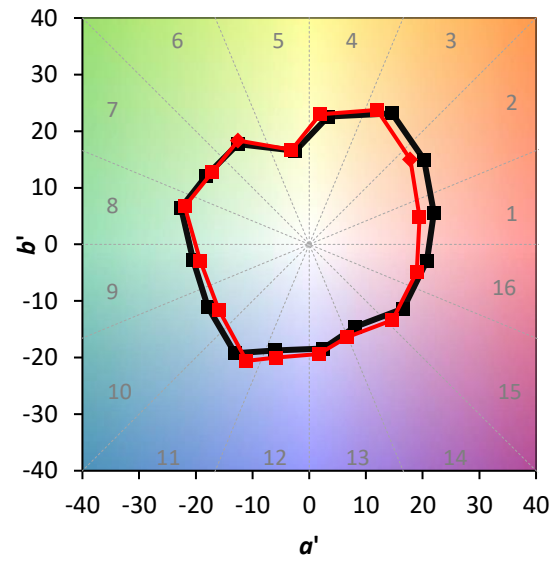
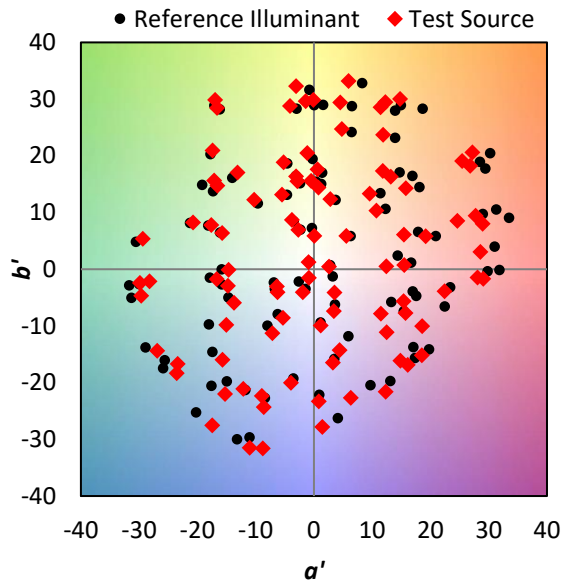
TM-30-18

Summary

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

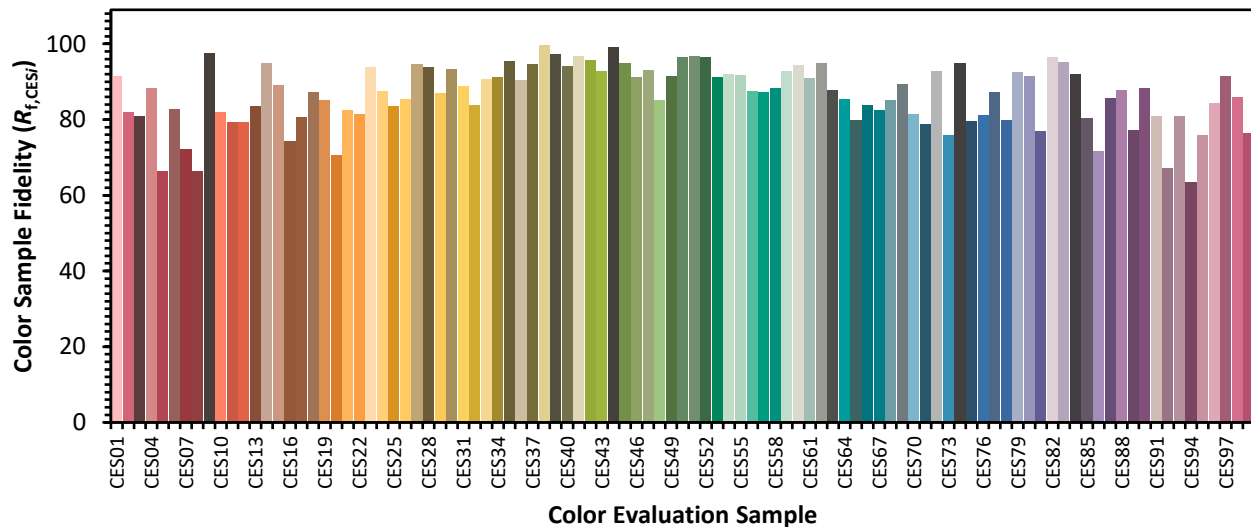


Color Vector Graphics

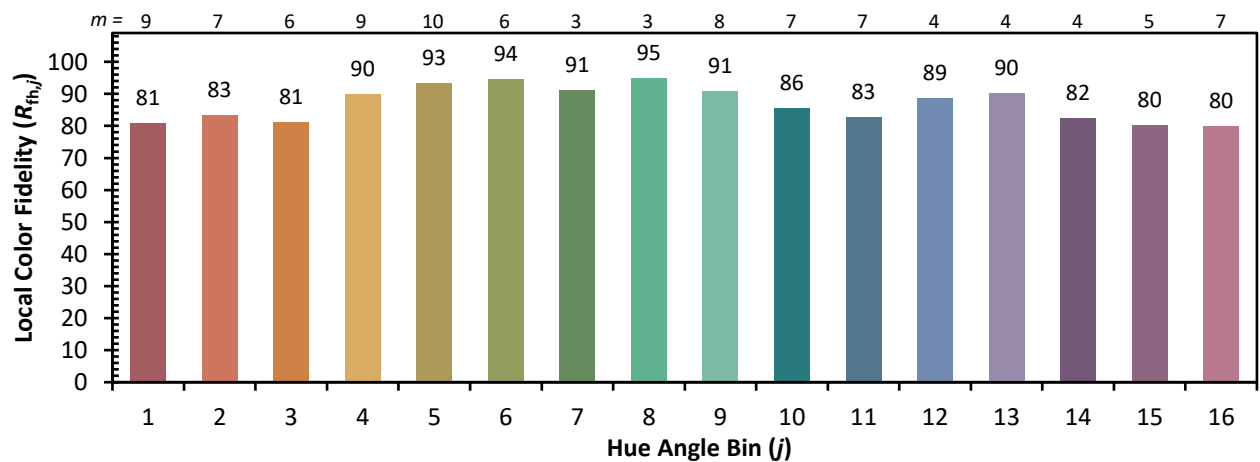
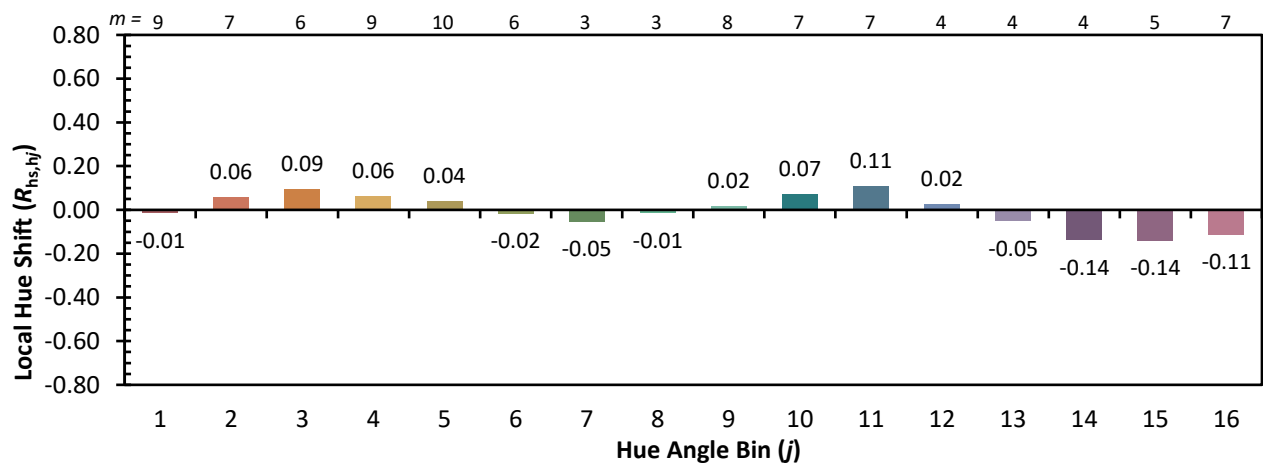
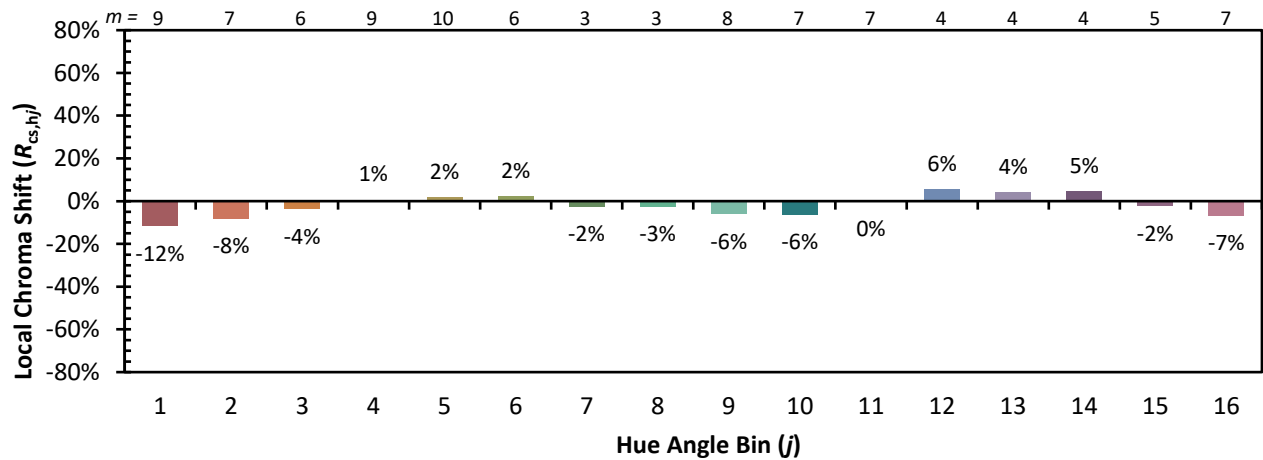


Individual Sample Fidelity Index ($R_{f,i}$)

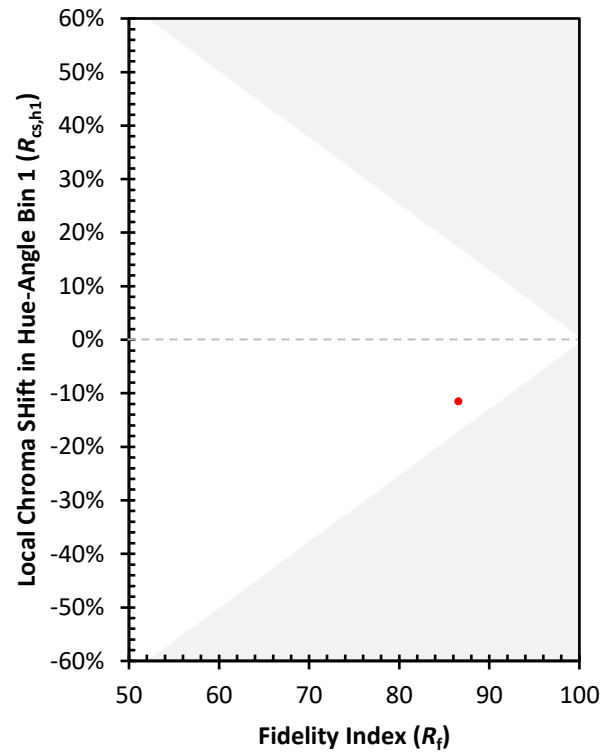
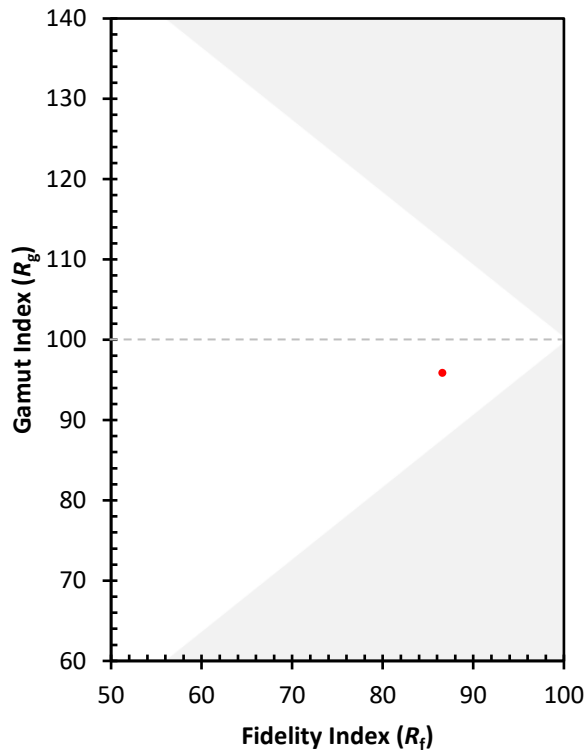
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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