

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: P1047983

Luminaire Tested: **GALN-SA9C-835-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047983
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9C-835-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 9xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (126) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44216.8 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 417.1
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



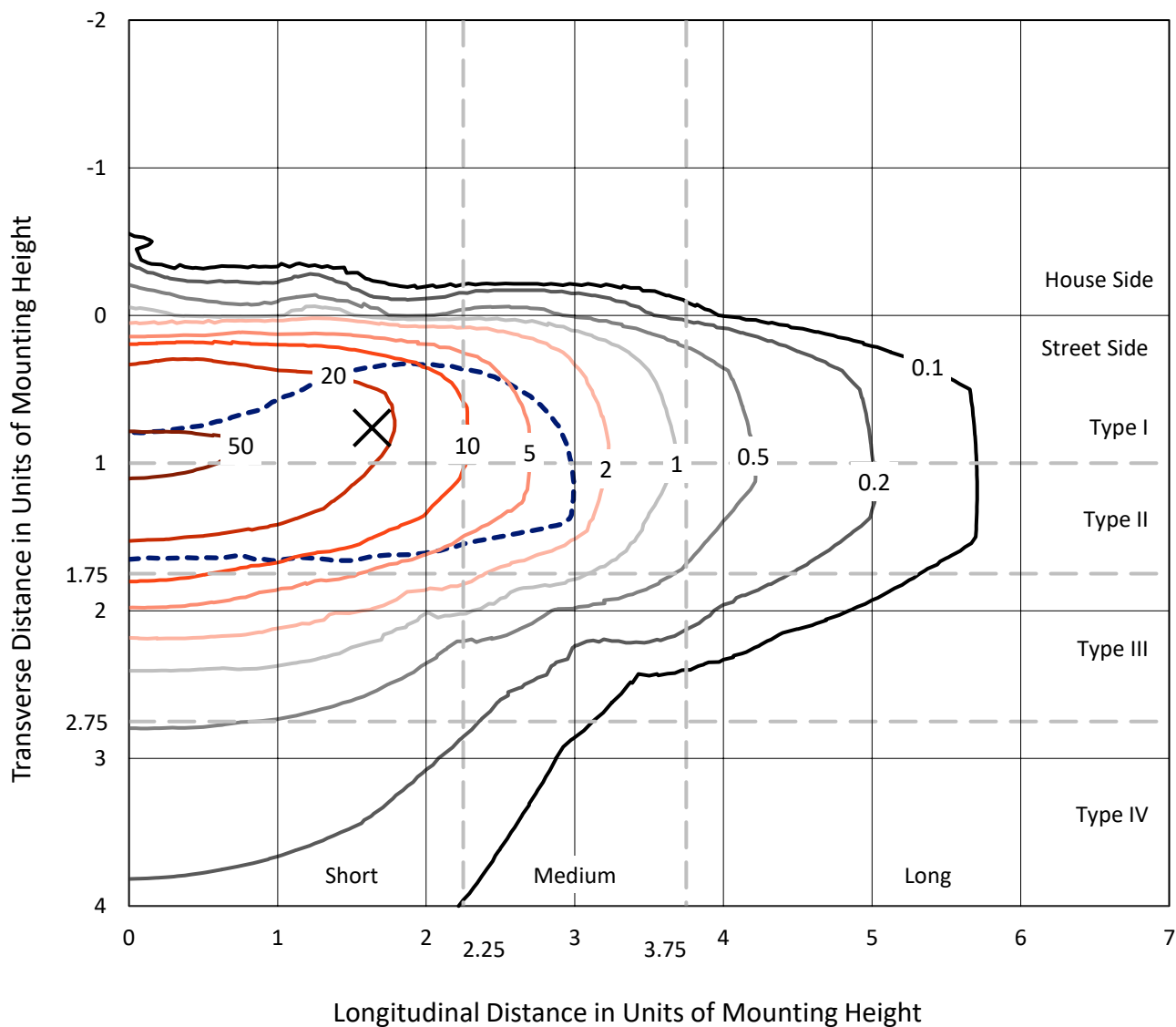
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CATALOG NUMBER: GALN-SA9C-835-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

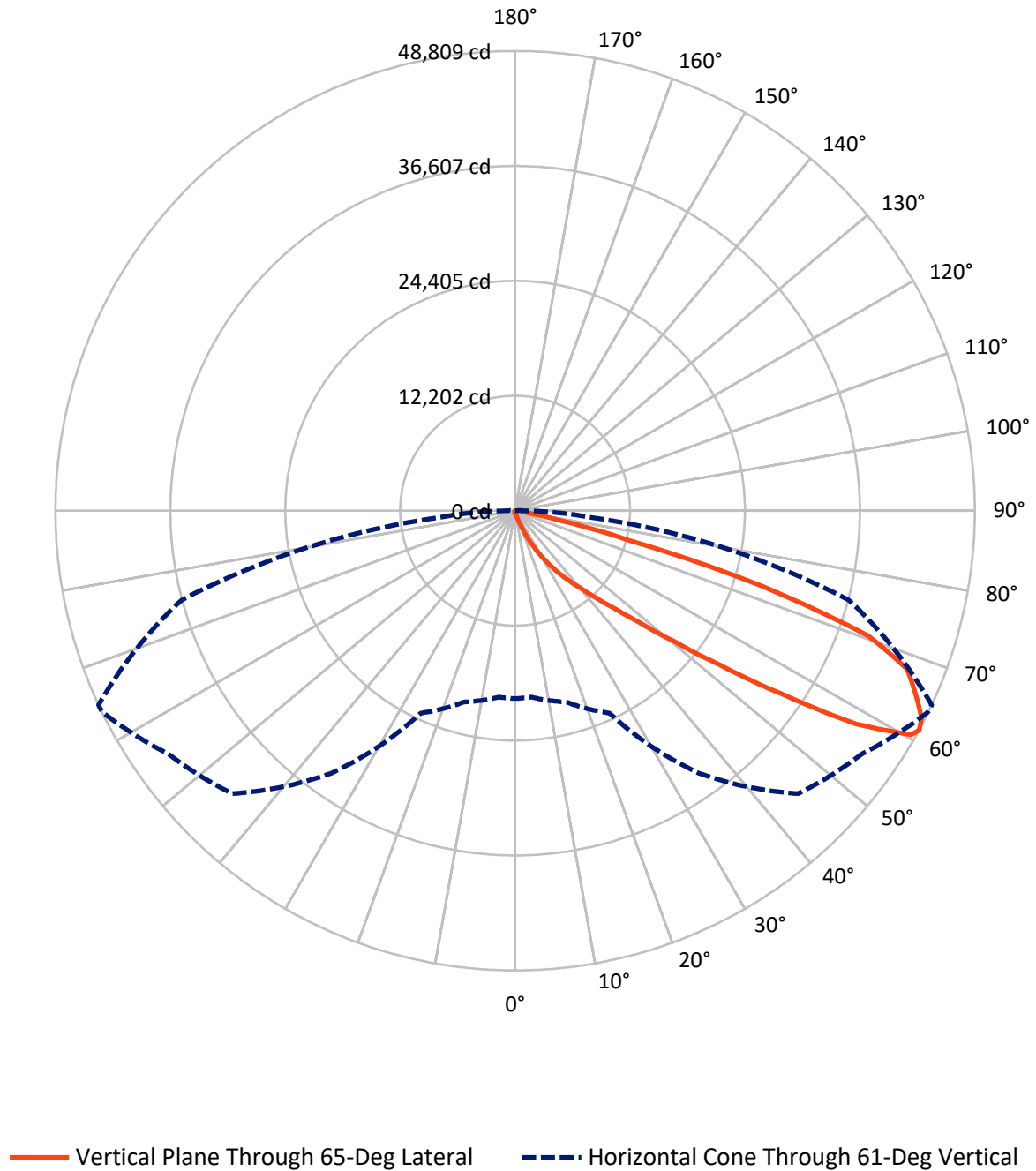


Based on 15 foot mounting height. Maximum calculated value = 58.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	188.7	0.0	188.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	44028.1	0.0	44028.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	44216.8	0.0	44216.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	0.1
10°-20°	363.6	0.8
20°-30°	1304.9	3.0
30°-40°	3474.1	7.9
40°-50°	9126.6	20.6
50°-60°	14138.8	32.0
60°-70°	11855.2	26.8
70°-80°	3488.8	7.9
80°-90°	430.4	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°	44216.8	100.0
0°-180°	44216.8	100.0



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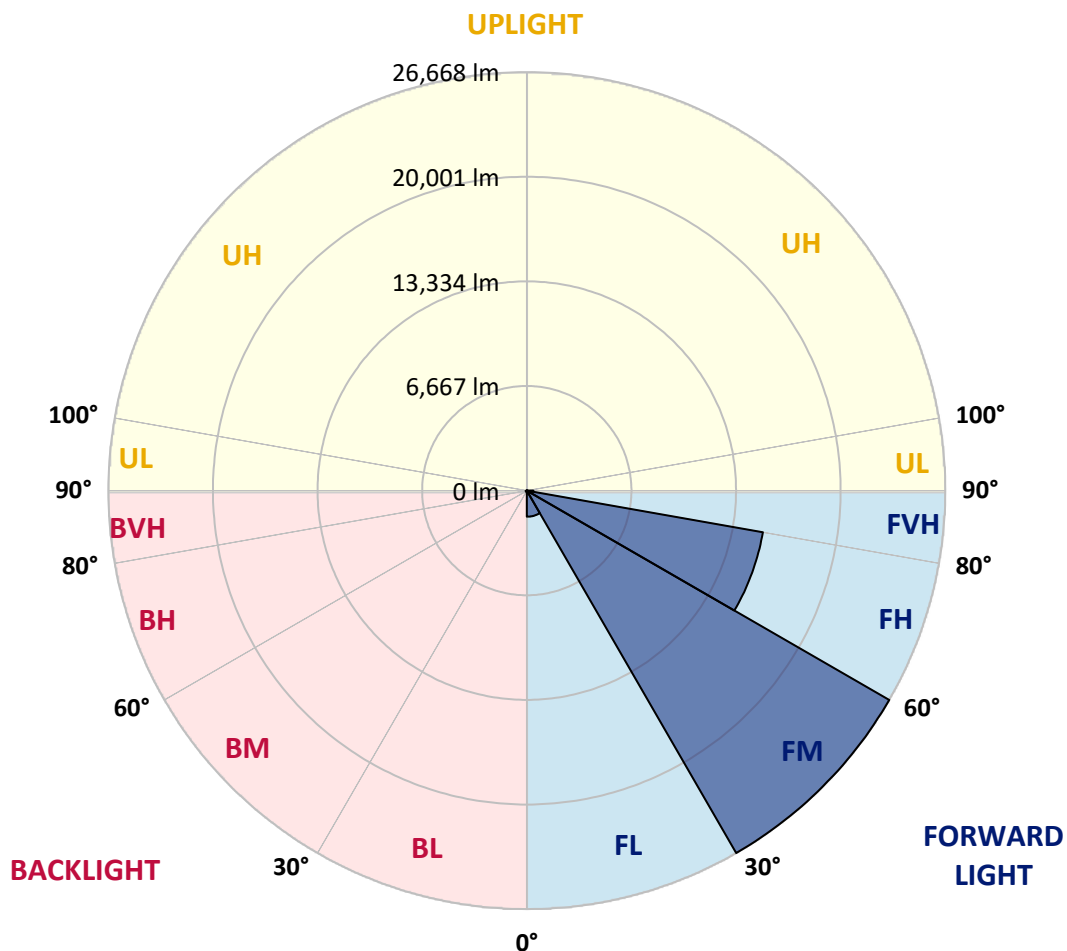
CATALOG NUMBER: GALN-SA9C-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1660.6	3.8			
FM	(30°-60°)	26667.7	60.3			
FH	(60°-80°)	15277.4	34.6			G5
FVH	(80°-90°)	422.4	1.0			G3/500
BL	(0°-30°)	42.3	0.1	B0/110		
BM	(30°-60°)	71.8	0.2	B0/220		
BH	(60°-80°)	66.6	0.2	B0/110		G0/110
BVH	(80°-90°)	8.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7
2.5°	328.5	331.5	325.5	313.3	304.2	304.2	301.1	292.0	292.0	282.9	276.8
5°	459.3	453.2	441.0	416.7	395.4	374.1	352.8	331.5	328.5	301.1	282.9
7.5°	751.3	757.4	717.8	641.8	577.9	495.8	419.7	374.1	368.0	322.4	285.9
10°	1648.6	1602.9	1511.7	1216.7	1000.7	754.3	559.7	435.0	428.9	346.7	292.0
12.5°	3005.1	2968.6	2801.4	2497.2	1940.6	1350.5	818.2	538.4	520.1	368.0	295.0
15°	4331.3	4273.5	4182.3	3875.1	3224.1	2421.1	1338.3	736.1	687.4	398.5	292.0
17.5°	5176.9	5186.0	5103.9	4973.1	4553.3	3583.1	2311.6	1098.0	1003.7	453.2	285.9
20°	5916.0	5894.7	5940.3	5870.4	5575.3	4869.7	3364.1	1739.8	1578.6	541.4	289.0
22.5°	6767.7	6819.4	6852.8	6837.6	6512.2	5909.9	4559.4	2603.6	2399.9	702.6	298.1
25°	7908.3	7902.2	7905.2	7865.7	7549.4	6880.2	5757.8	3677.3	3470.5	964.2	319.4
27.5°	9103.6	9140.1	9155.3	9012.4	8598.7	7941.7	6868.0	4851.4	4608.1	1383.9	346.7
30°	10737.0	10706.6	10636.6	10344.6	9842.8	9027.6	7963.0	6083.3	5827.8	1971.0	389.3
32.5°	12939.1	12905.7	12552.9	11908.0	11156.7	10159.1	9064.1	7318.2	7007.9	2704.0	447.1
35°	16567.8	16619.5	15752.7	14082.8	12735.4	11518.7	10283.8	8547.0	8273.3	3607.4	526.2
37.5°	22124.9	21842.0	20664.9	17714.5	14812.8	13215.9	11448.7	9788.0	9550.8	4720.6	629.6
40°	27523.8	27244.0	26903.3	24108.1	18423.2	15086.5	13079.1	11244.9	10937.7	5976.8	781.7
42.5°	33199.5	33044.4	33029.2	30921.3	25011.4	18027.8	15040.9	12951.3	12689.7	7354.7	1031.1
45°	37220.6	37065.4	37390.9	37758.9	33984.3	24330.1	18456.7	15168.7	14788.5	9027.6	1429.6
47.5°	37762.0	37768.1	38638.0	39790.8	40651.5	34078.6	23007.0	18106.9	17644.6	11421.4	2098.7
50°	35961.3	36031.3	37415.2	39477.5	41795.2	42257.5	31030.8	22371.3	21686.9	14259.2	3047.7
52.5°	32533.4	32612.5	34540.9	37932.3	40742.8	44222.4	40478.2	27949.6	27161.9	17799.7	4386.0
55°	29446.1	29494.8	31706.1	35991.7	39474.4	43154.8	46087.0	35398.6	34364.5	22155.3	5706.1
57.5°	26389.3	26276.7	27715.4	32621.6	39258.5	41843.9	46914.3	43887.8	42747.2	26915.5	6734.2
60°	22301.3	22112.7	23268.6	26389.3	36417.6	42704.6	45366.1	48584.1	48325.6	33543.2	7528.1
61°	19950.1	19871.0	21033.0	23709.6	34026.8	42485.7	44995.0	48781.8	48809.2	36679.2	7883.9
62.5°	14247.0	14472.1	16248.4	19728.1	28500.2	41065.2	45043.7	48170.5	48441.2	40846.2	8805.6
65°	6332.7	6694.7	8075.6	10907.3	16573.9	34160.7	44611.8	46829.1	46695.3	41989.9	11981.0
67.5°	3756.4	3811.2	4498.6	6180.6	8778.2	18374.6	39368.0	45055.8	44876.4	36554.4	14907.1
70°	2959.5	2986.9	3205.9	3878.1	5094.7	7038.4	22468.6	38981.7	39763.4	29640.8	14593.8
72.5°	2807.4	2801.4	2831.8	2950.4	3208.9	3491.8	8699.1	25911.7	27502.5	21346.2	12236.5
75°	2770.9	2758.8	2728.4	2682.7	2323.8	2056.1	2694.9	11460.9	12382.5	14584.7	9213.1
77.5°	2688.8	2691.9	2697.9	2573.2	1992.3	1453.9	1304.9	3677.3	4522.9	9255.7	6548.7
80°	1818.9	1846.3	1891.9	1843.2	1791.5	1052.4	921.6	1307.9	1326.2	5195.1	4325.2
82.5°	921.6	921.6	900.3	803.0	693.5	684.4	733.0	949.0	961.2	2628.0	2034.9
85°	556.6	587.0	599.2	544.5	498.8	459.3	559.7	754.3	781.7	1018.9	474.5
87.5°	124.7	127.7	139.9	185.5	270.7	368.0	520.1	690.5	702.6	654.0	57.8
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: P1047983

CATALOG NUMBER: GALN-SA9C-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7	270.7
2.5°	273.7	267.7	264.6	255.5	246.4	237.2	231.2	228.1	231.2	234.2	234.2
5°	270.7	261.6	246.4	231.2	219.0	206.8	194.7	191.6	191.6	194.7	194.7
7.5°	270.7	255.5	234.2	216.0	197.7	179.5	170.3	164.2	167.3	167.3	167.3
10°	270.7	252.5	225.1	197.7	176.4	155.1	139.9	133.8	133.8	133.8	133.8
12.5°	267.7	249.4	216.0	182.5	152.1	127.7	109.5	100.4	103.4	103.4	103.4
15°	261.6	240.3	203.8	155.1	121.7	97.3	79.1	70.0	73.0	79.1	82.1
17.5°	252.5	231.2	182.5	130.8	97.3	73.0	54.7	48.7	51.7	60.8	60.8
20°	249.4	222.0	161.2	106.5	73.0	51.7	36.5	30.4	33.5	45.6	48.7
22.5°	249.4	216.0	146.0	88.2	54.7	33.5	21.3	12.2	12.2	21.3	21.3
25°	252.5	212.9	133.8	73.0	39.5	24.3	12.2	6.1	12.2	33.5	39.5
27.5°	258.5	209.9	127.7	60.8	30.4	21.3	9.1	21.3	36.5	36.5	36.5
30°	264.6	203.8	118.6	51.7	27.4	15.2	15.2	30.4	30.4	36.5	39.5
32.5°	273.7	200.7	112.5	45.6	21.3	12.2	21.3	18.2	18.2	21.3	24.3
35°	292.0	203.8	106.5	45.6	21.3	15.2	18.2	9.1	6.1	6.1	6.1
37.5°	316.3	206.8	97.3	39.5	18.2	18.2	9.1	0.0	0.0	0.0	0.0
40°	355.9	216.0	91.2	36.5	15.2	15.2	3.0	0.0	0.0	0.0	0.0
42.5°	422.8	234.2	88.2	33.5	15.2	12.2	0.0	0.0	0.0	0.0	0.0
45°	556.6	276.8	82.1	30.4	15.2	6.1	0.0	0.0	0.0	0.0	0.0
47.5°	800.0	377.2	79.1	24.3	9.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	1168.0	511.0	76.0	21.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1490.4	538.4	51.7	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1526.9	371.1	39.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1216.7	240.3	33.5	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	921.6	182.5	30.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	885.1	164.2	30.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	976.4	143.0	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1587.7	118.6	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2758.8	103.4	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3485.7	97.3	18.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3038.6	88.2	18.2	6.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1828.0	76.0	18.2	12.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	958.1	57.8	18.2	15.2	9.1	3.0	0.0	0.0	0.0	0.0	0.0
80°	465.4	51.7	21.3	15.2	12.2	6.1	0.0	0.0	0.0	0.0	0.0
82.5°	182.5	42.6	24.3	21.3	15.2	9.1	3.0	0.0	0.0	0.0	0.0
85°	82.1	36.5	27.4	24.3	21.3	12.2	3.0	0.0	0.0	0.0	0.0
87.5°	42.6	33.5	30.4	27.4	21.3	15.2	6.1	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

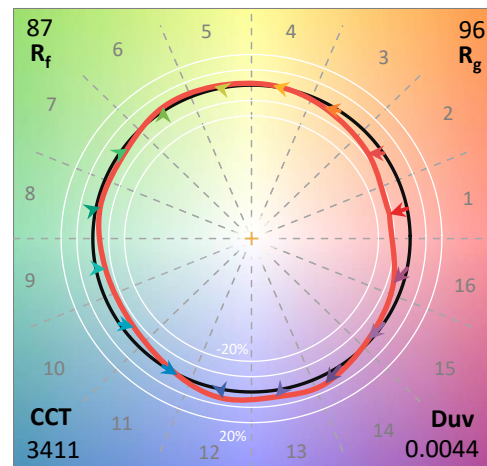
Test Information

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

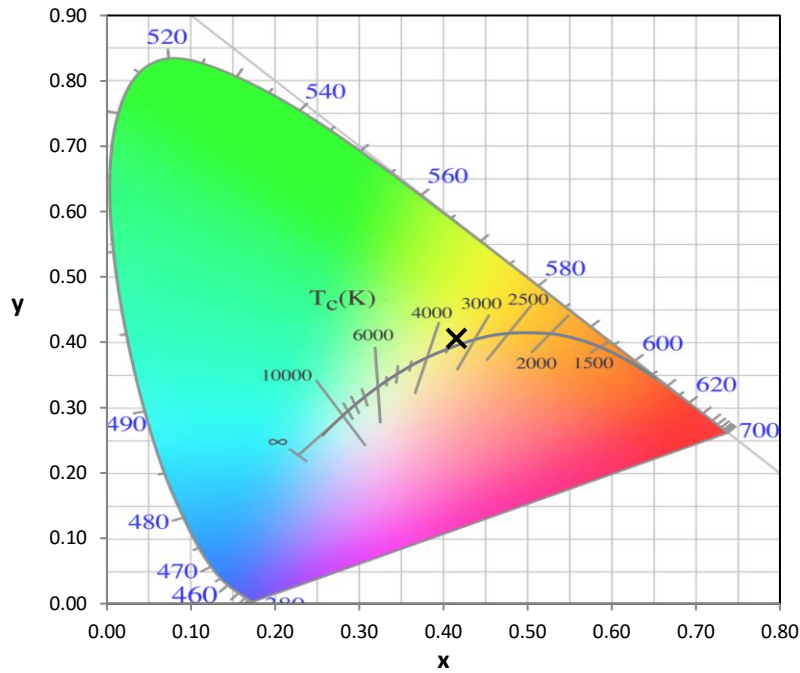
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

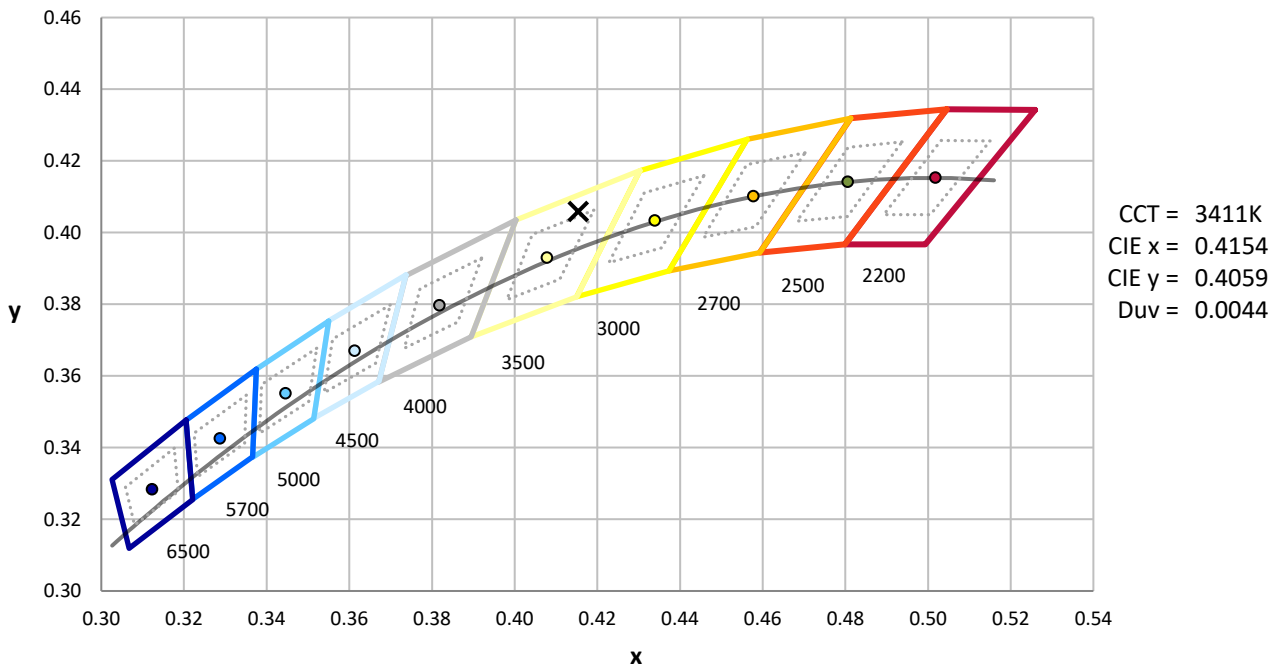
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



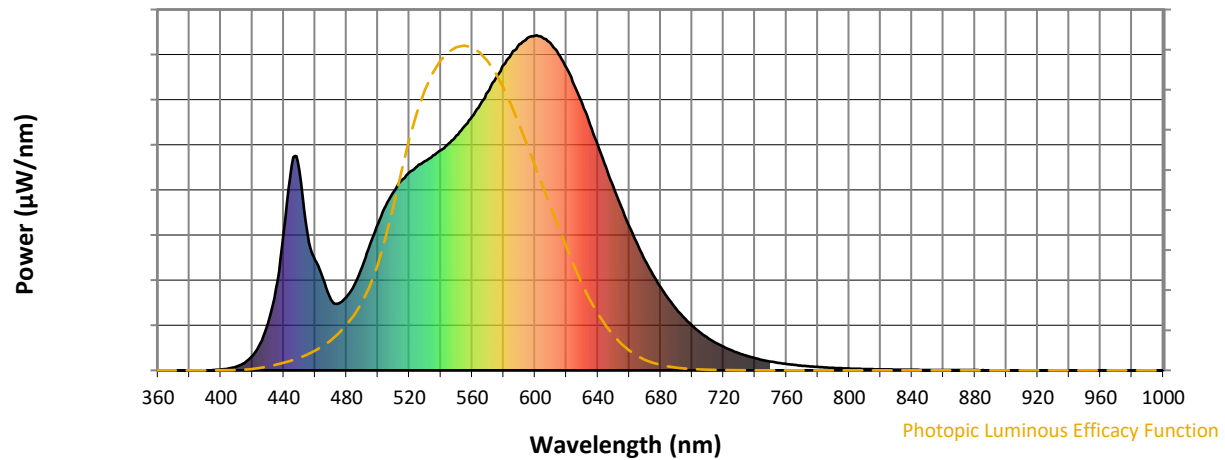
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

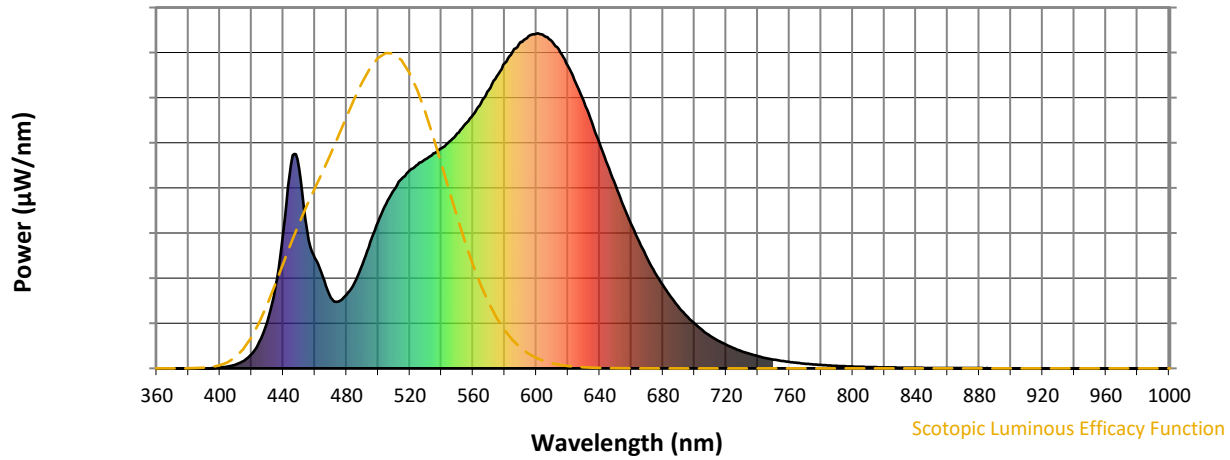


Photopic Lumens: NR

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



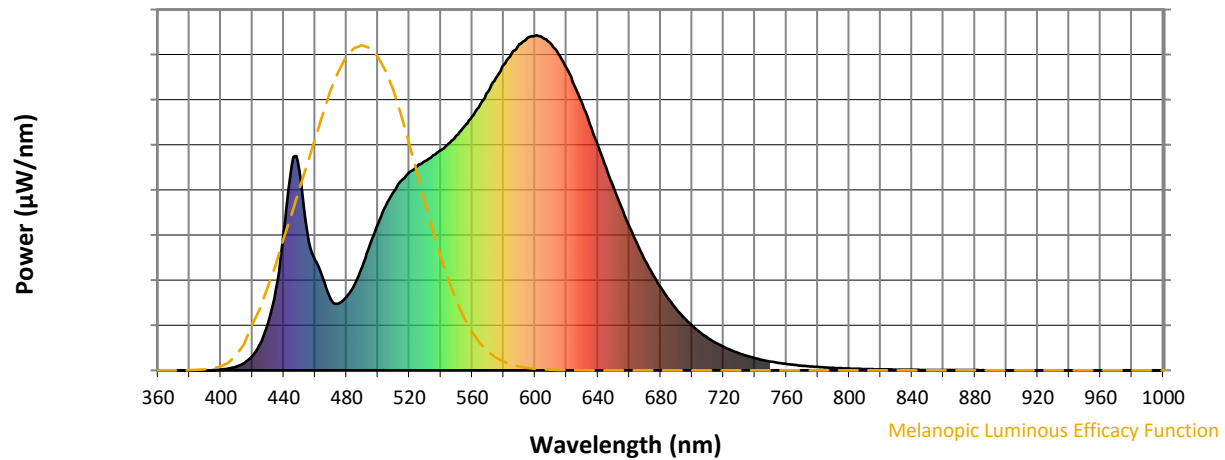
Scotopic Lumens: NR

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

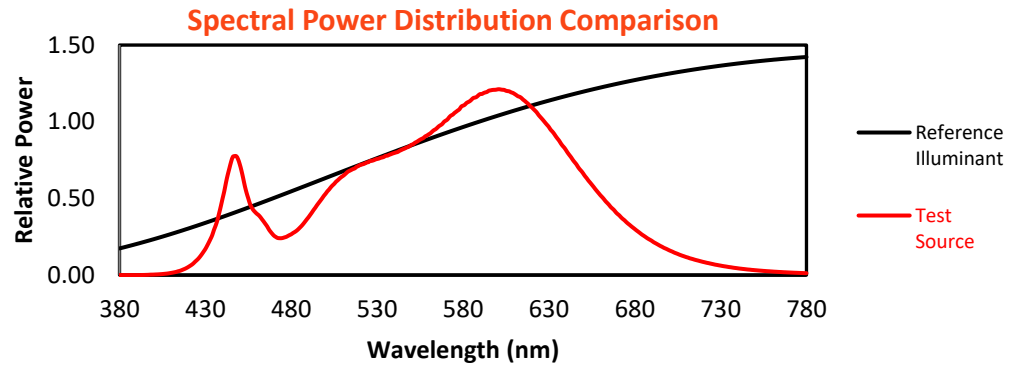
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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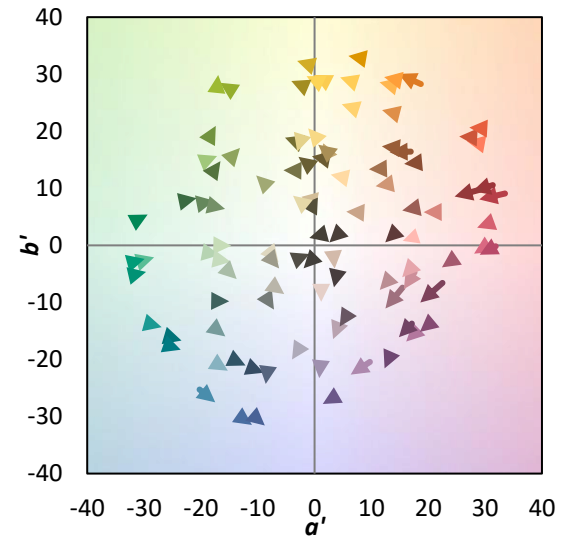
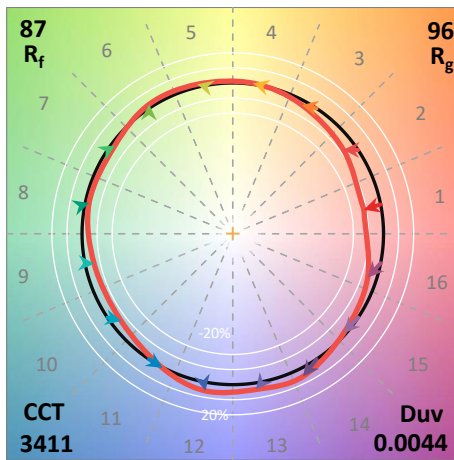
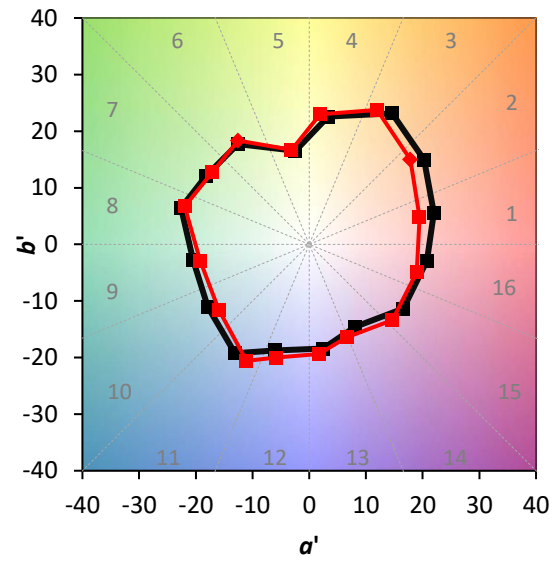
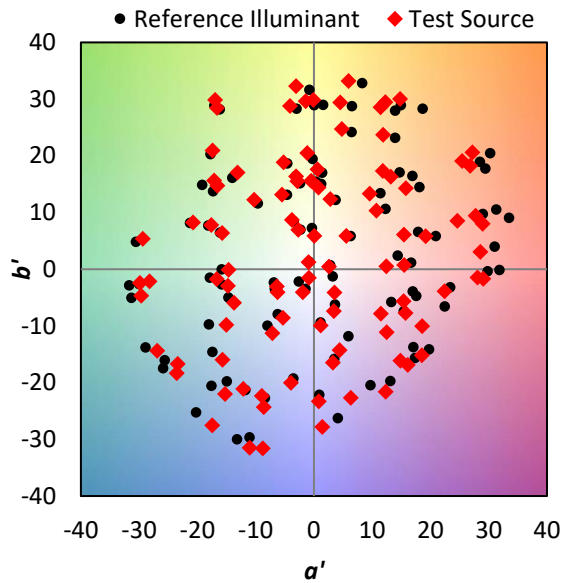
TM-30-18

Summary

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

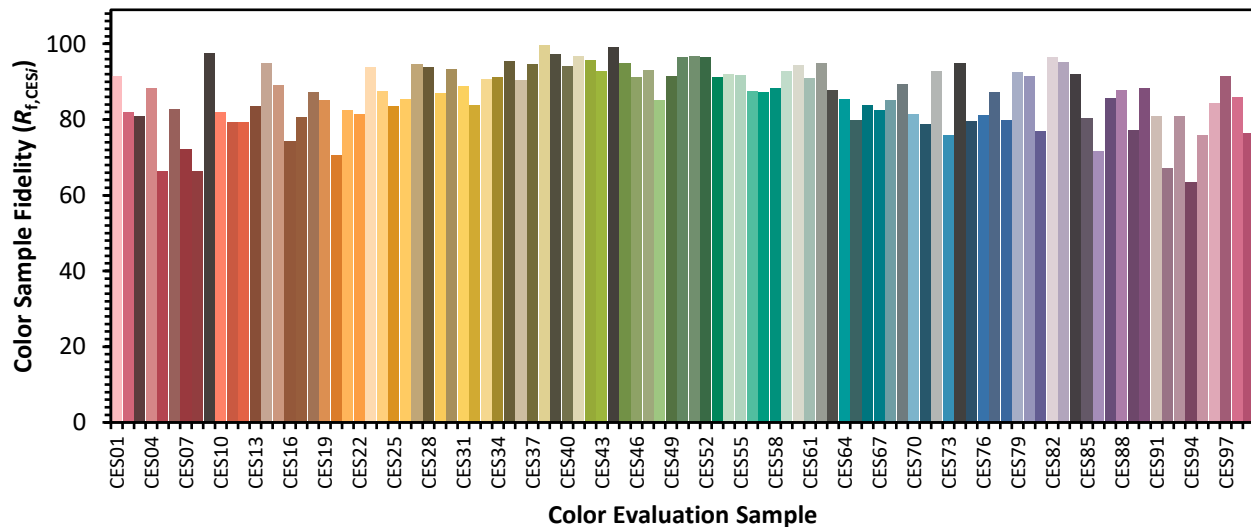


Color Vector Graphics

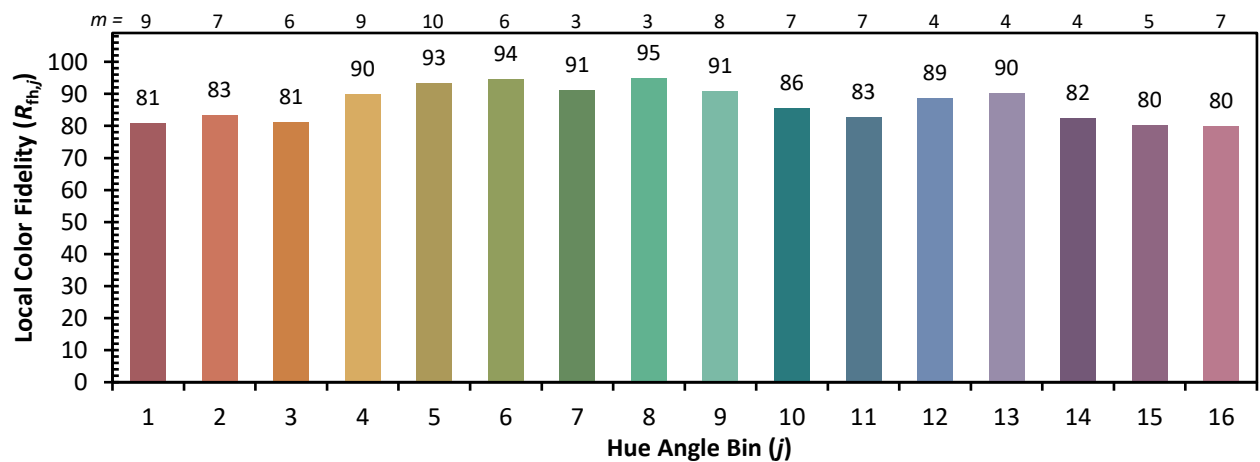
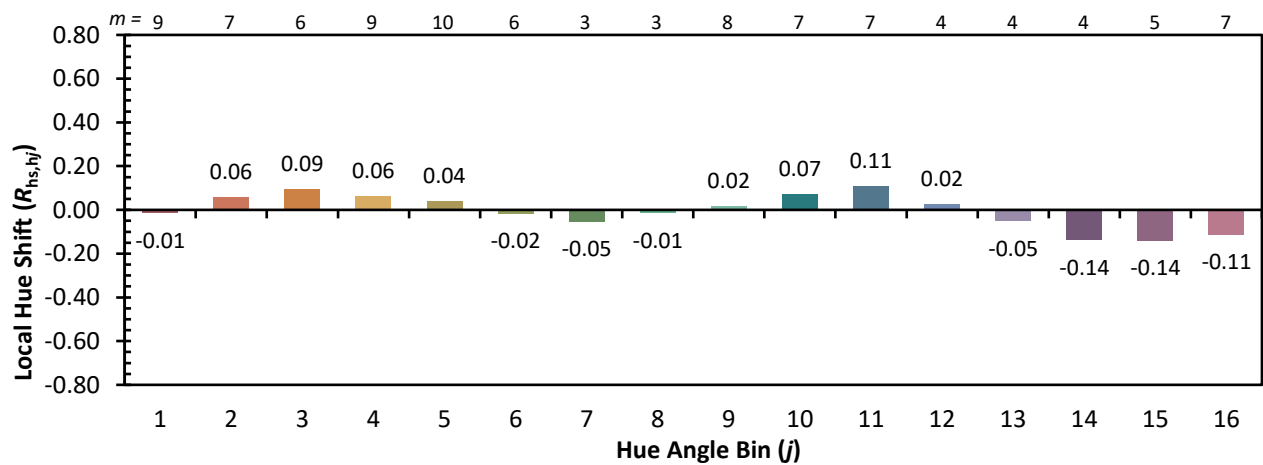
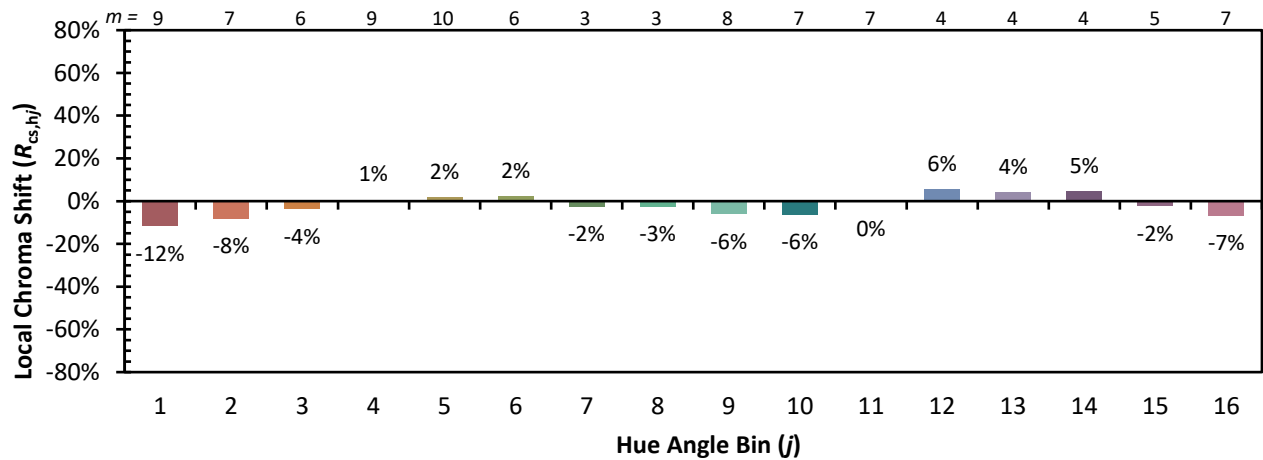


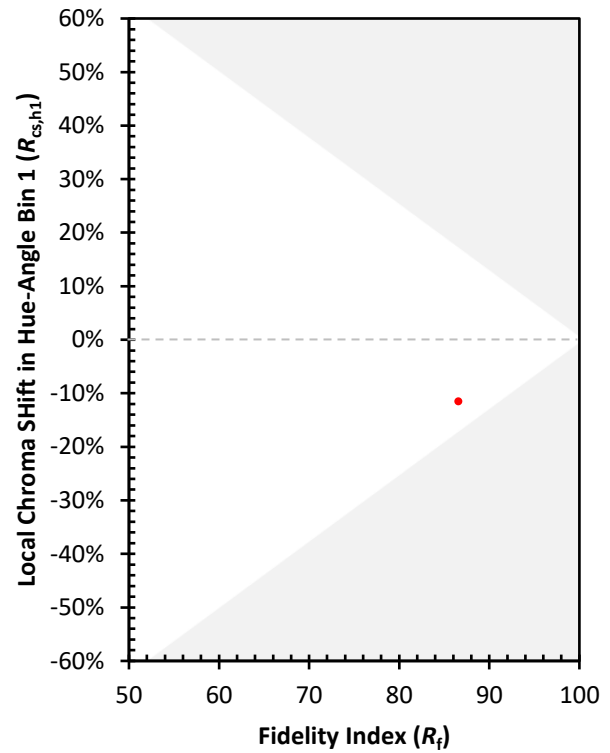
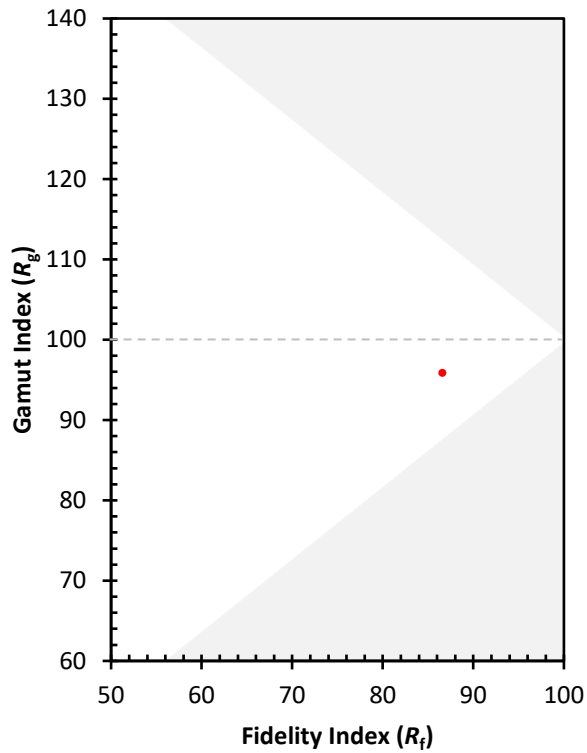
Individual Sample Fidelity Index ($R_{f,i}$)

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)