

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: P1047977

Luminaire Tested: **GALN-SA8A-835-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047977
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-835-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 8xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25625 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 217.6
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

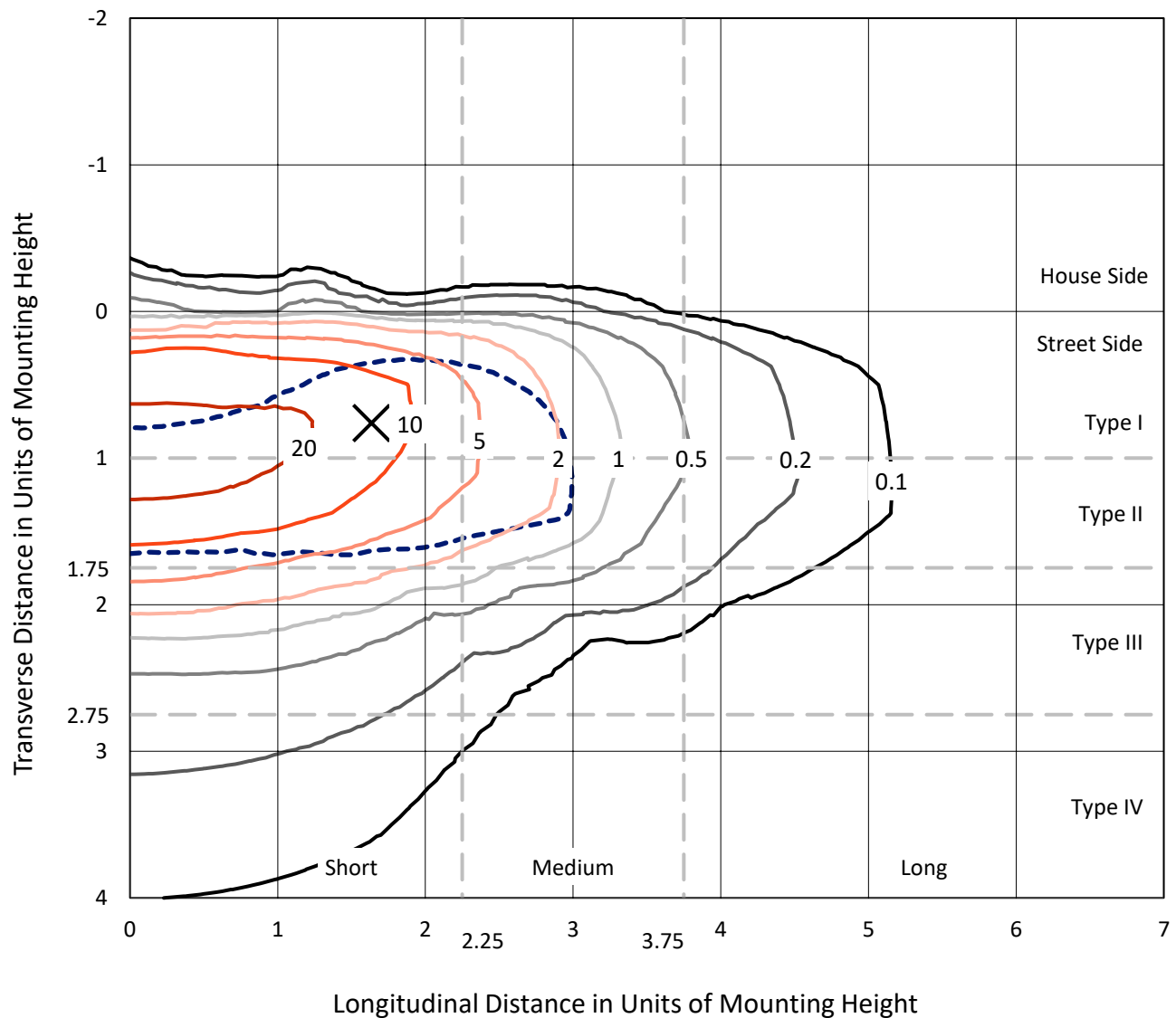


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

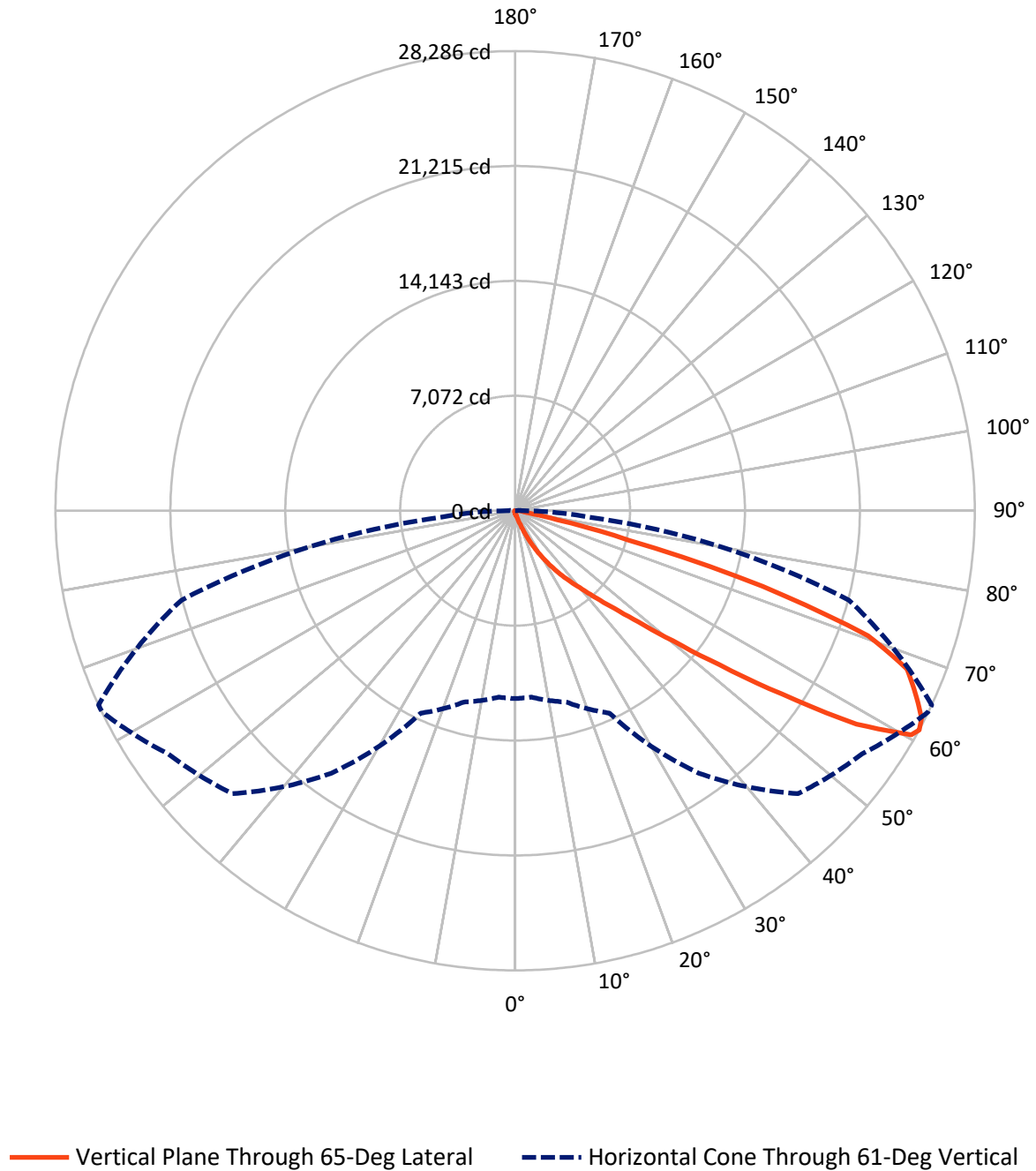


Based on 15 foot mounting height. Maximum calculated value = 33.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	109.4	0.0	109.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	25515.6	0.0	25515.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	25625.0	0.0	25625.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	0.1
10°-20°	210.7	0.8
20°-30°	756.2	3.0
30°-40°	2013.4	7.9
40°-50°	5289.1	20.6
50°-60°	8193.9	32.0
60°-70°	6870.4	26.8
70°-80°	2021.9	7.9
80°-90°	249.4	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°	25625.0	100.0
0°-180°	25625.0	100.0



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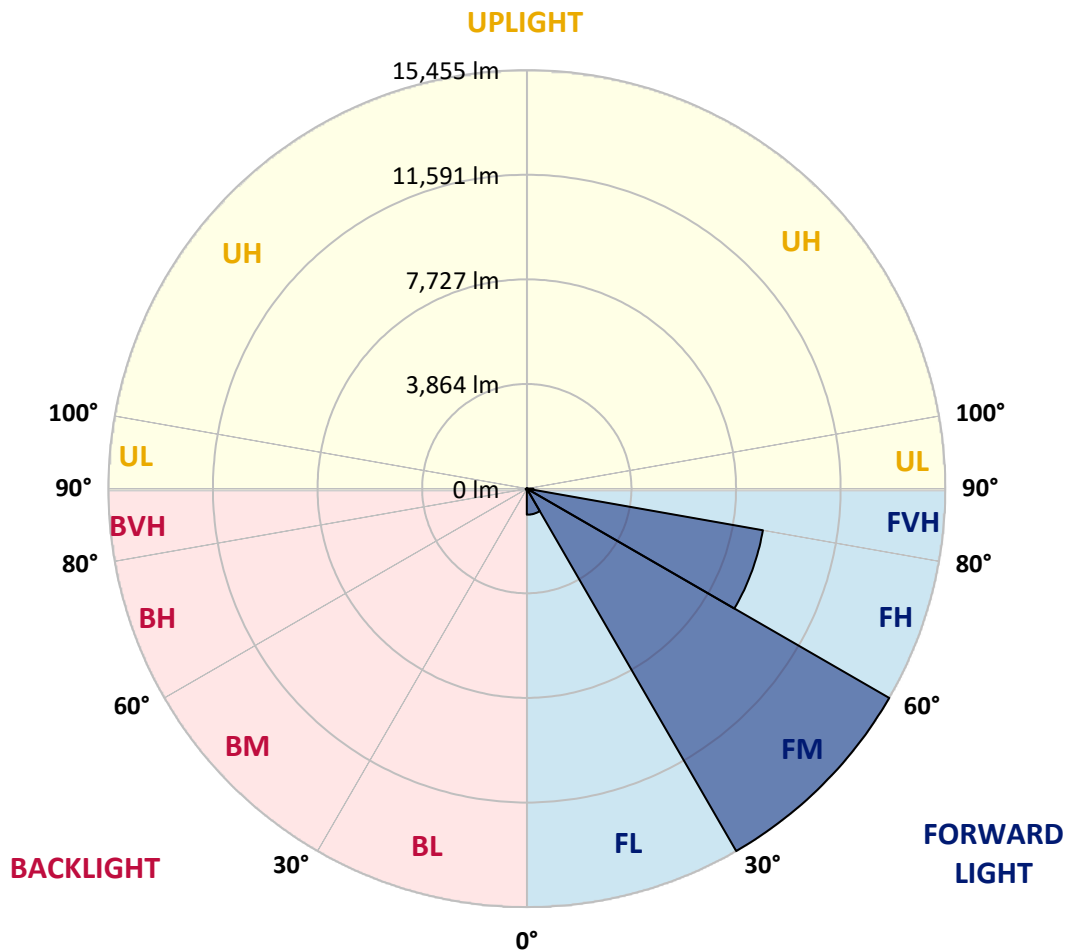
CATALOG NUMBER: GALN-SA8A-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	962.4	3.8			
FM	(30°-60°)	15454.8	60.3			
FH	(60°-80°)	8853.7	34.6			G4/12000
FVH	(80°-90°)	244.8	1.0			G3/500
BL	(0°-30°)	24.5	0.1	B0/110		
BM	(30°-60°)	41.6	0.2	B0/220		
BH	(60°-80°)	38.6	0.2	B0/110		G0/110
BVH	(80°-90°)	4.6	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-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9
2.5°	190.4	192.1	188.6	181.6	176.3	176.3	174.5	169.2	169.2	163.9	160.4
5°	266.2	262.6	255.6	241.5	229.2	216.8	204.5	192.1	190.4	174.5	163.9
7.5°	435.4	438.9	416.0	371.9	334.9	287.3	243.3	216.8	213.3	186.8	165.7
10°	955.4	929.0	876.1	705.1	579.9	437.2	324.3	252.1	248.5	201.0	169.2
12.5°	1741.6	1720.4	1623.5	1447.2	1124.6	782.6	474.2	312.0	301.4	213.3	171.0
15°	2510.1	2476.6	2423.7	2245.7	1868.5	1403.1	775.6	426.6	398.4	230.9	169.2
17.5°	3000.2	3005.4	2957.9	2882.1	2638.8	2076.5	1339.7	636.3	581.7	262.6	165.7
20°	3428.5	3416.2	3442.6	3402.1	3231.1	2822.1	1949.6	1008.3	914.9	313.8	167.5
22.5°	3922.1	3952.0	3971.4	3962.6	3774.0	3425.0	2642.3	1508.9	1390.8	407.2	172.7
25°	4583.1	4579.6	4581.3	4558.4	4375.1	3987.3	3336.8	2131.1	2011.3	558.8	185.1
27.5°	5275.8	5297.0	5305.8	5223.0	4983.2	4602.5	3980.2	2811.5	2670.5	802.0	201.0
30°	6222.4	6204.8	6164.2	5995.0	5704.2	5231.8	4614.8	3525.4	3377.4	1142.2	225.6
32.5°	7498.6	7479.2	7274.8	6901.1	6465.7	5887.5	5252.9	4241.1	4061.3	1567.1	259.1
35°	9601.6	9631.5	9129.2	8161.4	7380.5	6675.4	5959.8	4953.3	4794.6	2090.6	305.0
37.5°	12822.1	12658.1	11976.0	10266.1	8584.5	7659.0	6634.9	5672.4	5535.0	2735.7	364.9
40°	15950.9	15788.7	15591.3	13971.4	10676.8	8743.1	7579.7	6516.8	6338.8	3463.8	453.0
42.5°	19240.1	19150.2	19141.4	17919.9	14494.9	10447.7	8716.7	7505.7	7354.1	4262.3	597.6
45°	21570.5	21480.6	21669.2	21882.5	19694.9	14100.0	10696.2	8790.7	8570.4	5231.8	828.5
47.5°	21884.2	21887.8	22391.9	23060.0	23558.8	19749.6	13333.3	10493.5	10225.6	6619.0	1216.3
50°	20840.7	20881.2	21683.3	22878.4	24221.6	24489.5	17983.3	12964.8	12568.2	8263.7	1766.3
52.5°	18854.1	18899.9	20017.5	21982.9	23611.7	25628.3	23458.3	16197.7	15741.1	10315.5	2541.8
55°	17064.9	17093.1	18374.6	20858.3	22876.6	25009.5	26708.8	20514.6	19915.3	12839.7	3306.9
57.5°	15293.4	15228.2	16061.9	18905.2	22751.5	24249.8	27188.3	25434.4	24773.3	15598.4	3902.7
60°	12924.3	12815.0	13484.8	15293.4	21105.1	24748.7	26291.0	28156.0	28006.2	19439.3	4362.7
61°	11561.7	11515.9	12189.2	13740.4	19719.6	24621.7	26076.0	28270.6	28286.4	21256.7	4569.0
62.5°	8256.6	8387.0	9416.5	11433.0	16516.7	23798.5	26104.2	27916.3	28073.2	23671.6	5103.1
65°	3670.0	3879.8	4680.0	6321.1	9605.1	19797.2	25853.9	27138.9	27061.4	24334.4	6943.4
67.5°	2177.0	2208.7	2607.1	3581.9	5087.2	10648.6	22814.9	26111.2	26007.2	21184.4	8639.1
70°	1715.1	1731.0	1857.9	2247.5	2952.6	4078.9	13021.2	22591.1	23044.1	17177.8	8457.6
72.5°	1627.0	1623.5	1641.1	1709.8	1859.7	2023.6	5041.4	15016.7	15938.6	12370.8	7091.4
75°	1605.8	1598.8	1581.2	1554.7	1346.7	1191.6	1561.8	6641.9	7176.1	8452.3	5339.3
77.5°	1558.2	1560.0	1563.5	1491.3	1154.6	842.6	756.2	2131.1	2621.2	5364.0	3795.1
80°	1054.1	1070.0	1096.4	1068.2	1038.2	609.9	534.1	758.0	768.5	3010.7	2506.6
82.5°	534.1	534.1	521.8	465.4	401.9	396.6	424.8	550.0	557.0	1523.0	1179.3
85°	322.6	340.2	347.3	315.5	289.1	266.2	324.3	437.2	453.0	590.5	275.0
87.5°	72.3	74.0	81.1	107.5	156.9	213.3	301.4	400.1	407.2	379.0	33.5
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-SA8A-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9
2.5°	158.6	155.1	153.4	148.1	142.8	137.5	134.0	132.2	134.0	135.7	135.7
5°	156.9	151.6	142.8	134.0	126.9	119.9	112.8	111.1	111.1	112.8	112.8
7.5°	156.9	148.1	135.7	125.2	114.6	104.0	98.7	95.2	96.9	96.9	96.9
10°	156.9	146.3	130.4	114.6	102.2	89.9	81.1	77.6	77.6	77.6	77.6
12.5°	155.1	144.5	125.2	105.8	88.1	74.0	63.5	58.2	59.9	59.9	59.9
15°	151.6	139.3	118.1	89.9	70.5	56.4	45.8	40.5	42.3	45.8	47.6
17.5°	146.3	134.0	105.8	75.8	56.4	42.3	31.7	28.2	30.0	35.3	35.3
20°	144.5	128.7	93.4	61.7	42.3	30.0	21.2	17.6	19.4	26.4	28.2
22.5°	144.5	125.2	84.6	51.1	31.7	19.4	12.3	7.1	7.1	12.3	12.3
25°	146.3	123.4	77.6	42.3	22.9	14.1	7.1	3.5	7.1	19.4	22.9
27.5°	149.8	121.6	74.0	35.3	17.6	12.3	5.3	12.3	21.2	21.2	21.2
30°	153.4	118.1	68.7	30.0	15.9	8.8	8.8	17.6	17.6	21.2	22.9
32.5°	158.6	116.3	65.2	26.4	12.3	7.1	12.3	10.6	10.6	12.3	14.1
35°	169.2	118.1	61.7	26.4	12.3	8.8	10.6	5.3	3.5	3.5	3.5
37.5°	183.3	119.9	56.4	22.9	10.6	10.6	5.3	0.0	0.0	0.0	0.0
40°	206.2	125.2	52.9	21.2	8.8	8.8	1.8	0.0	0.0	0.0	0.0
42.5°	245.0	135.7	51.1	19.4	8.8	7.1	0.0	0.0	0.0	0.0	0.0
45°	322.6	160.4	47.6	17.6	8.8	3.5	0.0	0.0	0.0	0.0	0.0
47.5°	463.6	218.6	45.8	14.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	676.9	296.1	44.1	12.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	863.7	312.0	30.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	884.9	215.1	22.9	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	705.1	139.3	19.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	534.1	105.8	17.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	513.0	95.2	17.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	565.8	82.8	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	920.1	68.7	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1598.8	59.9	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2020.1	56.4	10.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1761.0	51.1	10.6	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	1059.4	44.1	10.6	7.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	555.3	33.5	10.6	8.8	5.3	1.8	0.0	0.0	0.0	0.0	0.0
80°	269.7	30.0	12.3	8.8	7.1	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	105.8	24.7	14.1	12.3	8.8	5.3	1.8	0.0	0.0	0.0	0.0
85°	47.6	21.2	15.9	14.1	12.3	7.1	1.8	0.0	0.0	0.0	0.0
87.5°	24.7	19.4	17.6	15.9	12.3	8.8	3.5	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

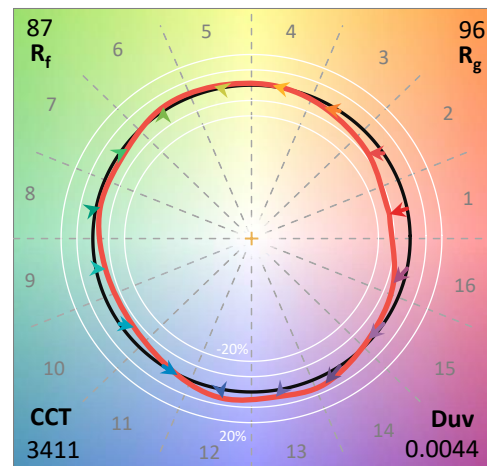
Test Information

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

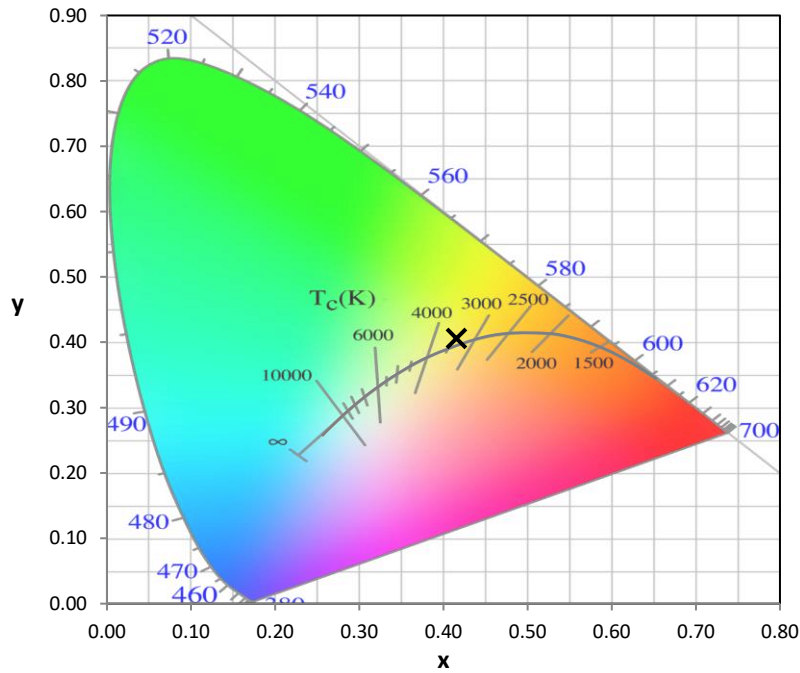
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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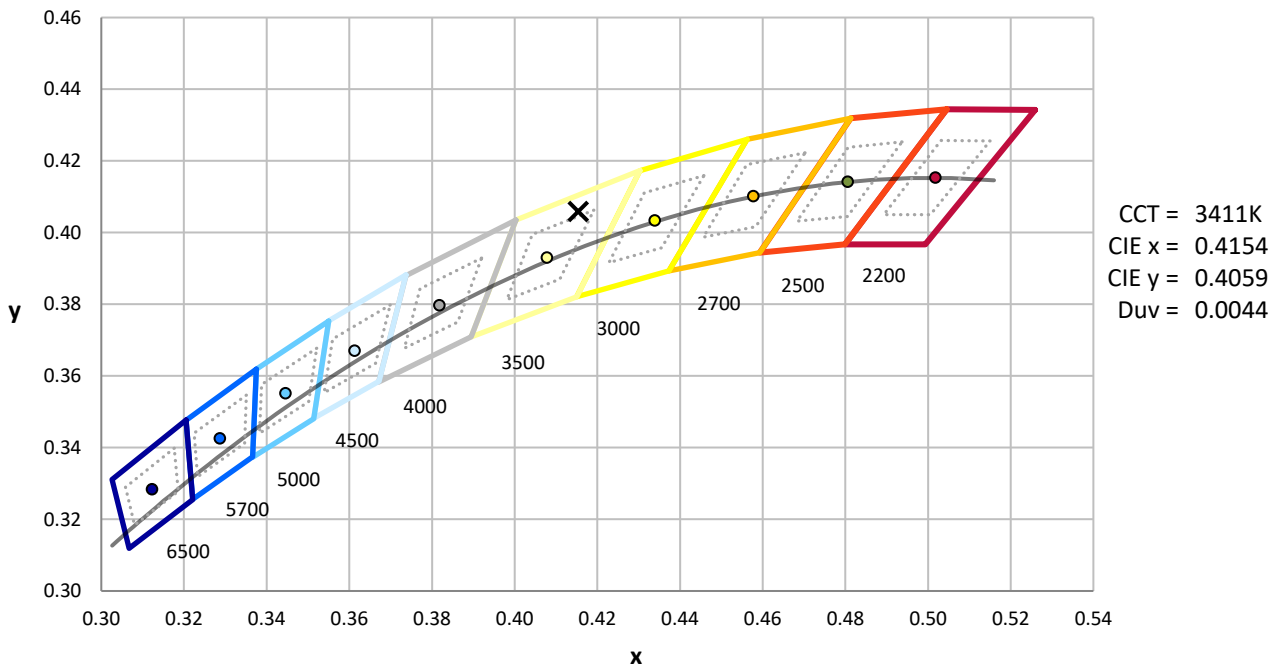
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



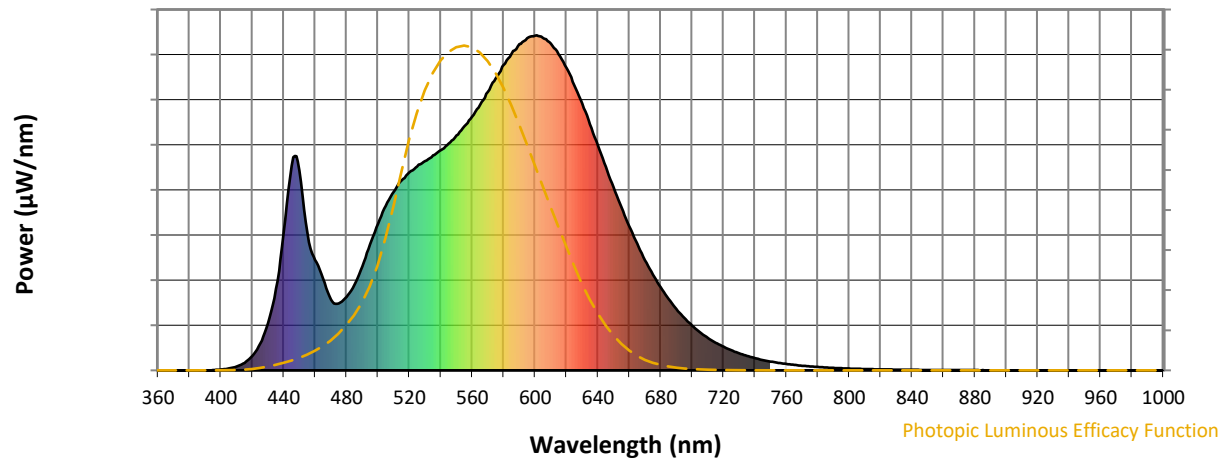
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

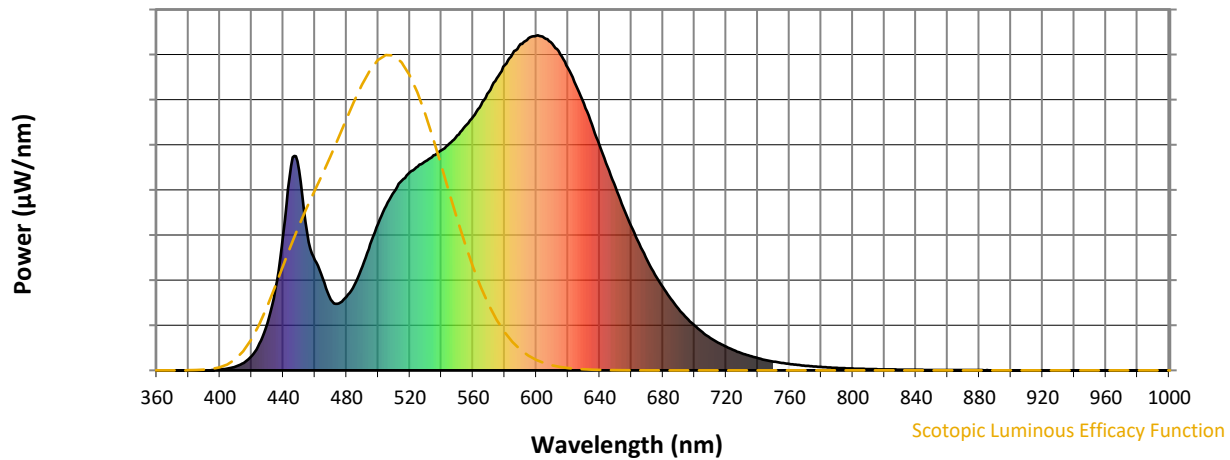


Photopic Lumens: NR

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



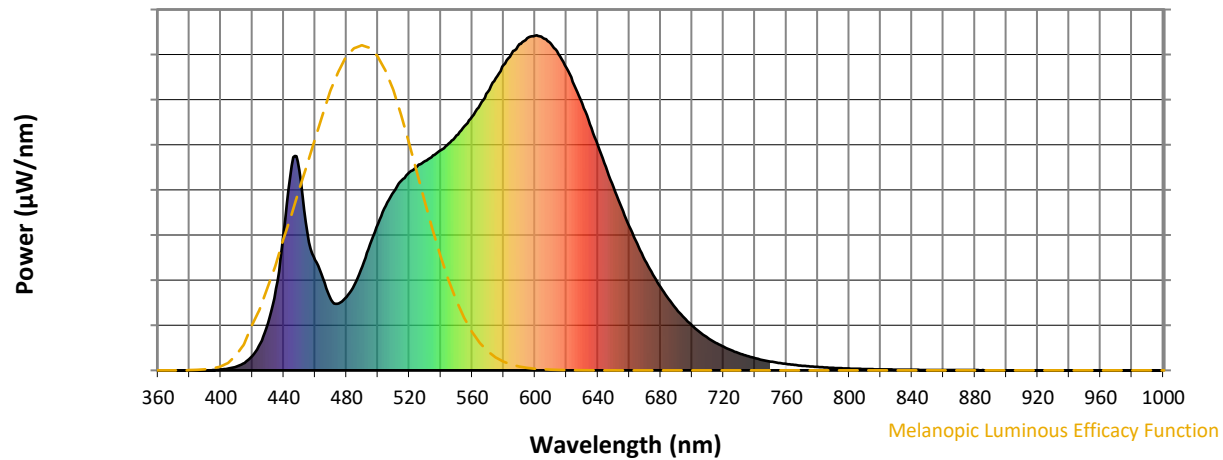
Scotopic Lumens: NR

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

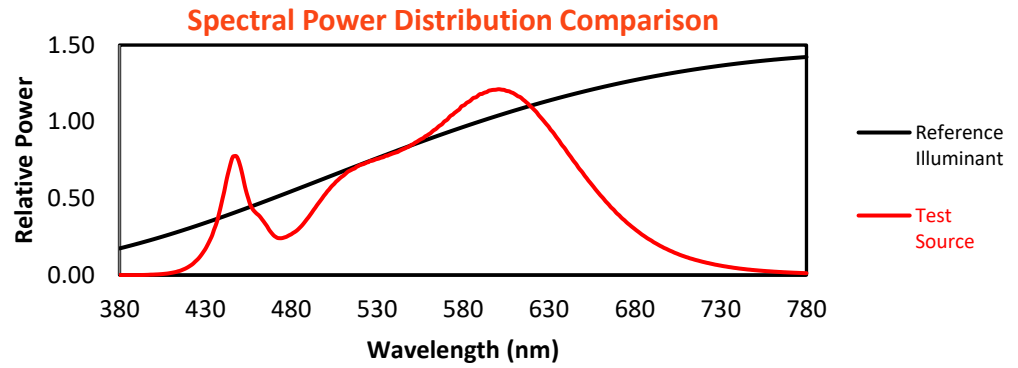
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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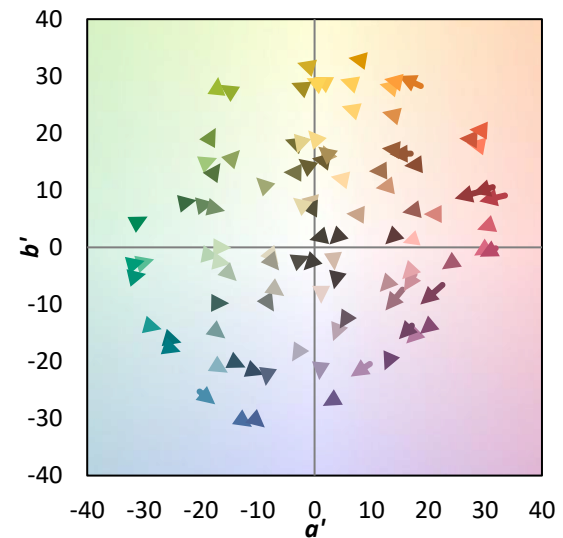
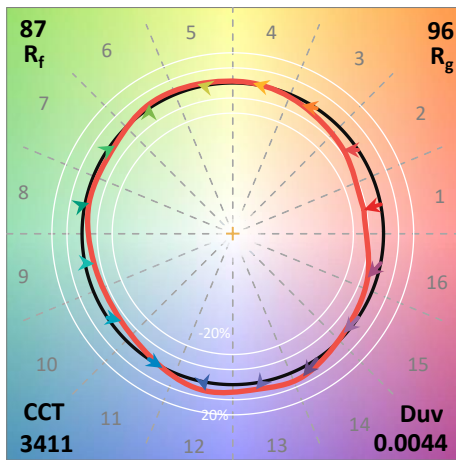
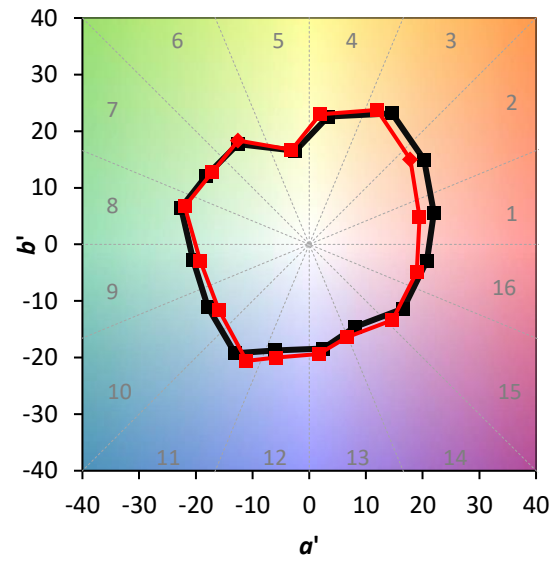
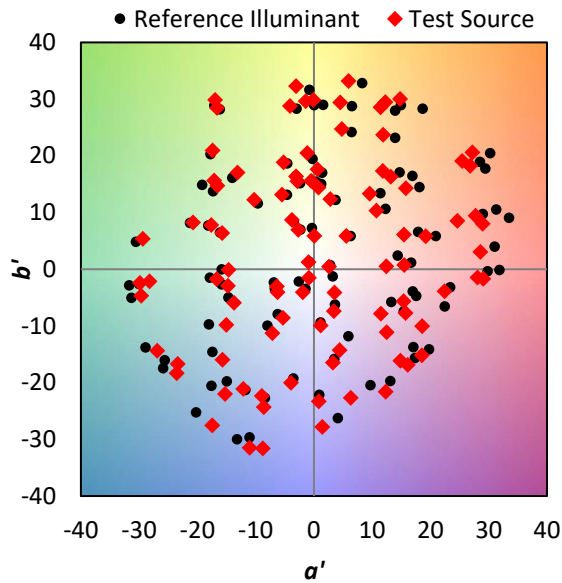
TM-30-18

Summary

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

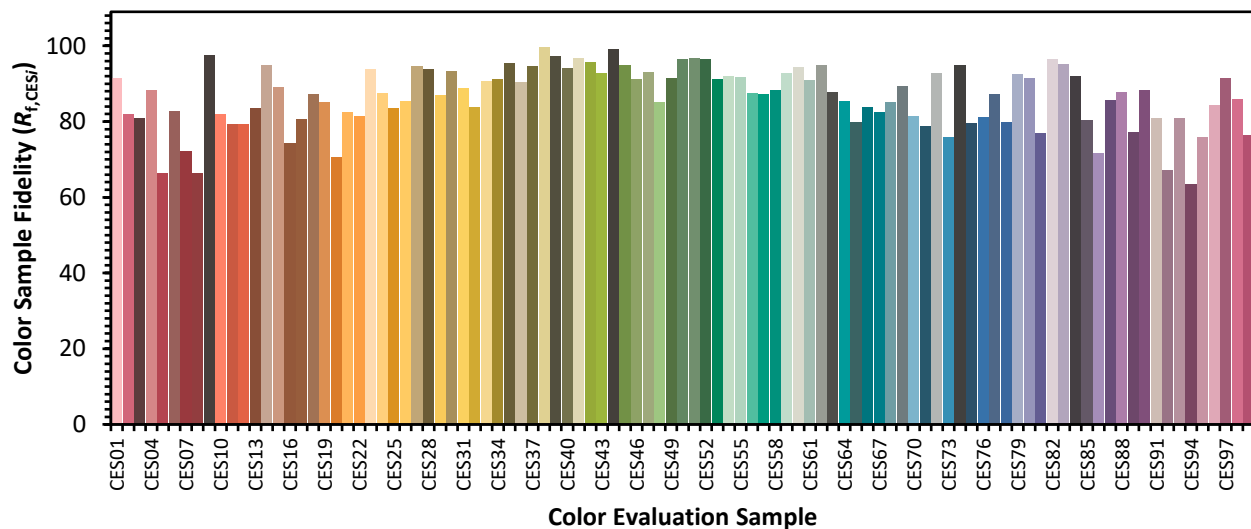


Color Vector Graphics

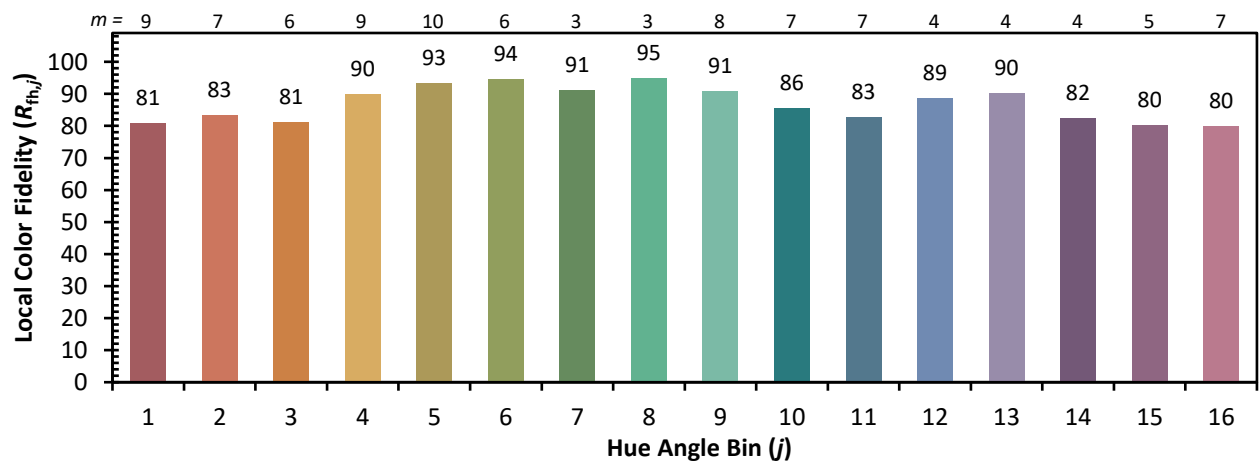
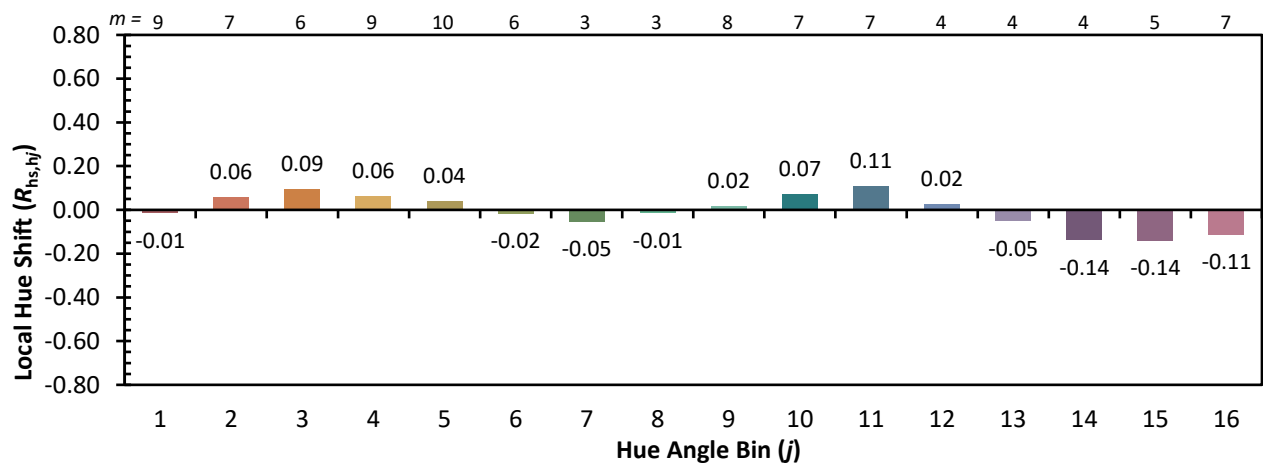
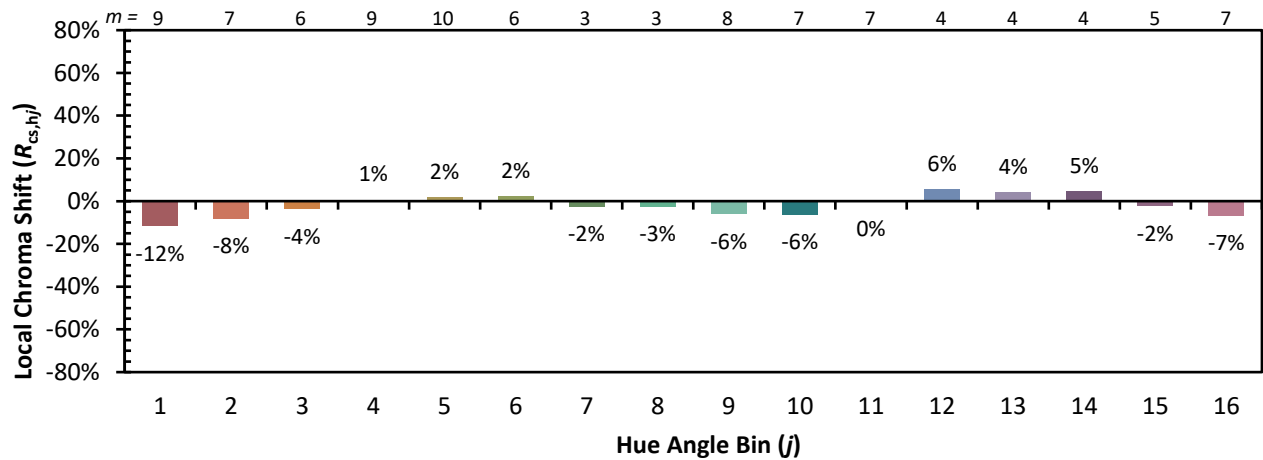


Individual Sample Fidelity Index ($R_{f,i}$)

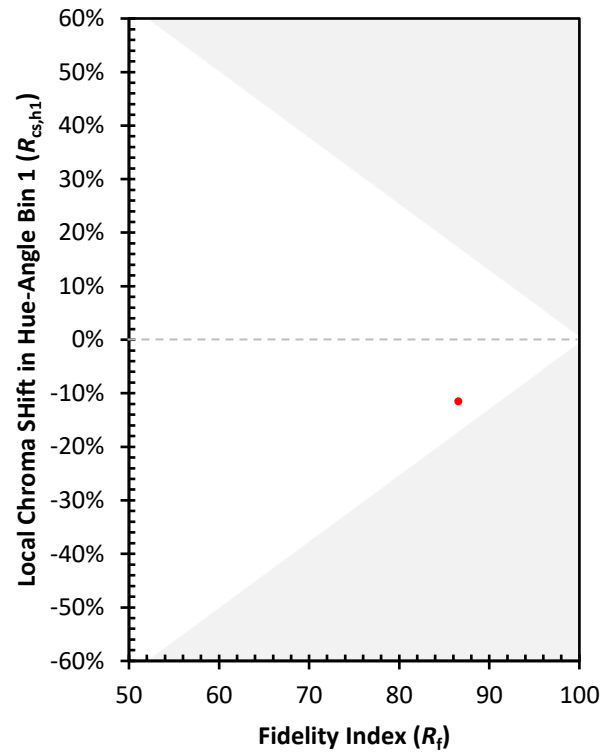
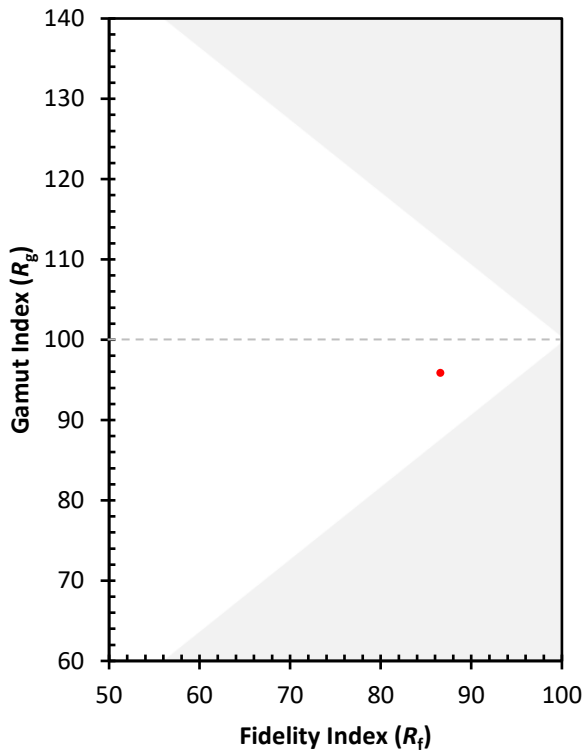
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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