

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: P1047529

Luminaire Tested: **GALN-SA4A-935-U-T3BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047529
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-935-U-T3BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
90CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11174.4 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - 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

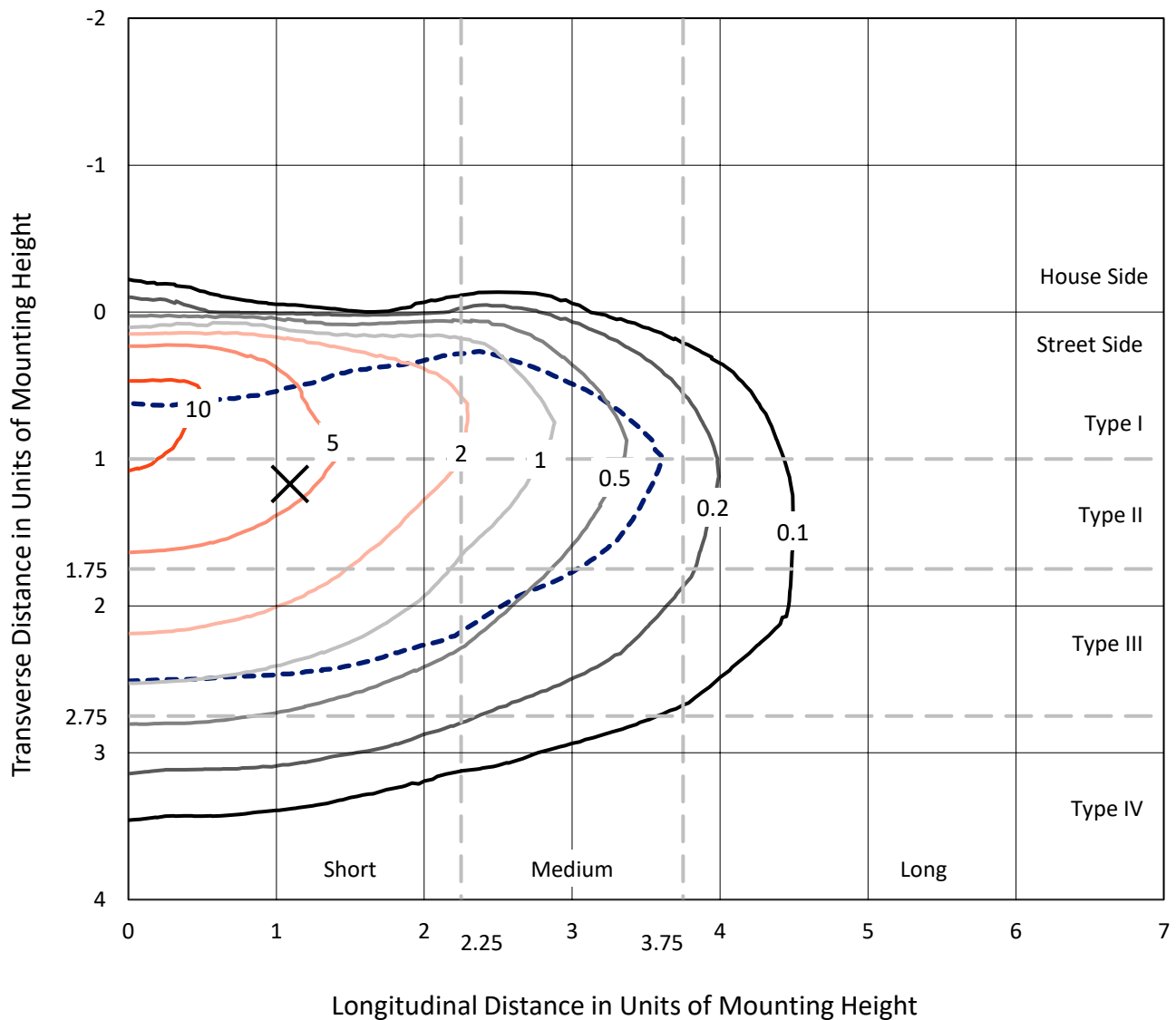


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CATALOG NUMBER: GALN-SA4A-935-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

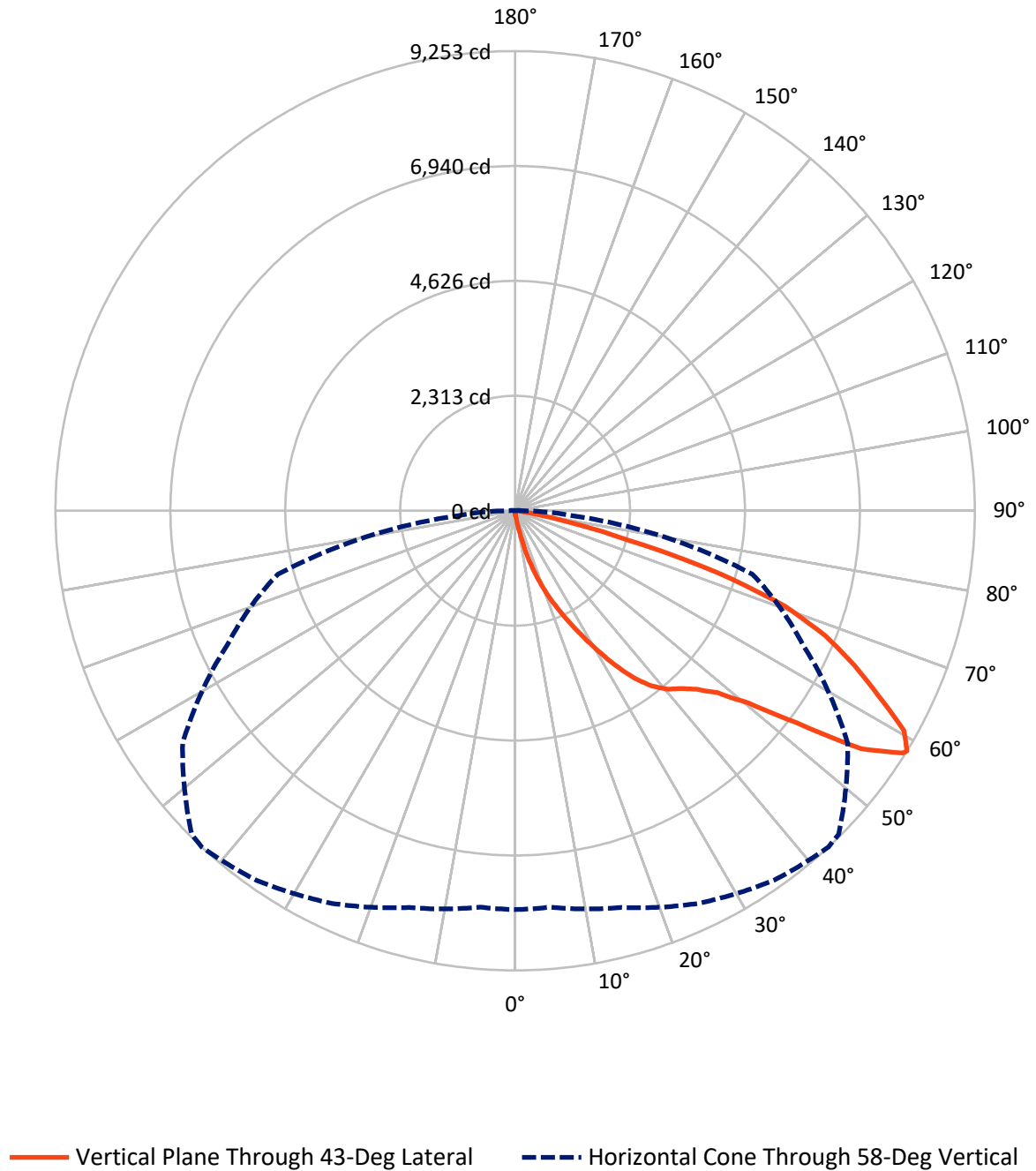


Based on 15 foot mounting height. Maximum calculated value = 12.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40.8	0.0	40.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	11133.6	0.0	11133.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	11174.4	0.0	11174.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.1
10°-20°	128.4	1.1
20°-30°	463.0	4.1
30°-40°	1059.3	9.5
40°-50°	1786.6	16.0
50°-60°	2948.2	26.4
60°-70°	3295.1	29.5
70°-80°	1360.5	12.2
80°-90°	122.6	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°	11174.4	100.0
0°-180°	11174.4	100.0



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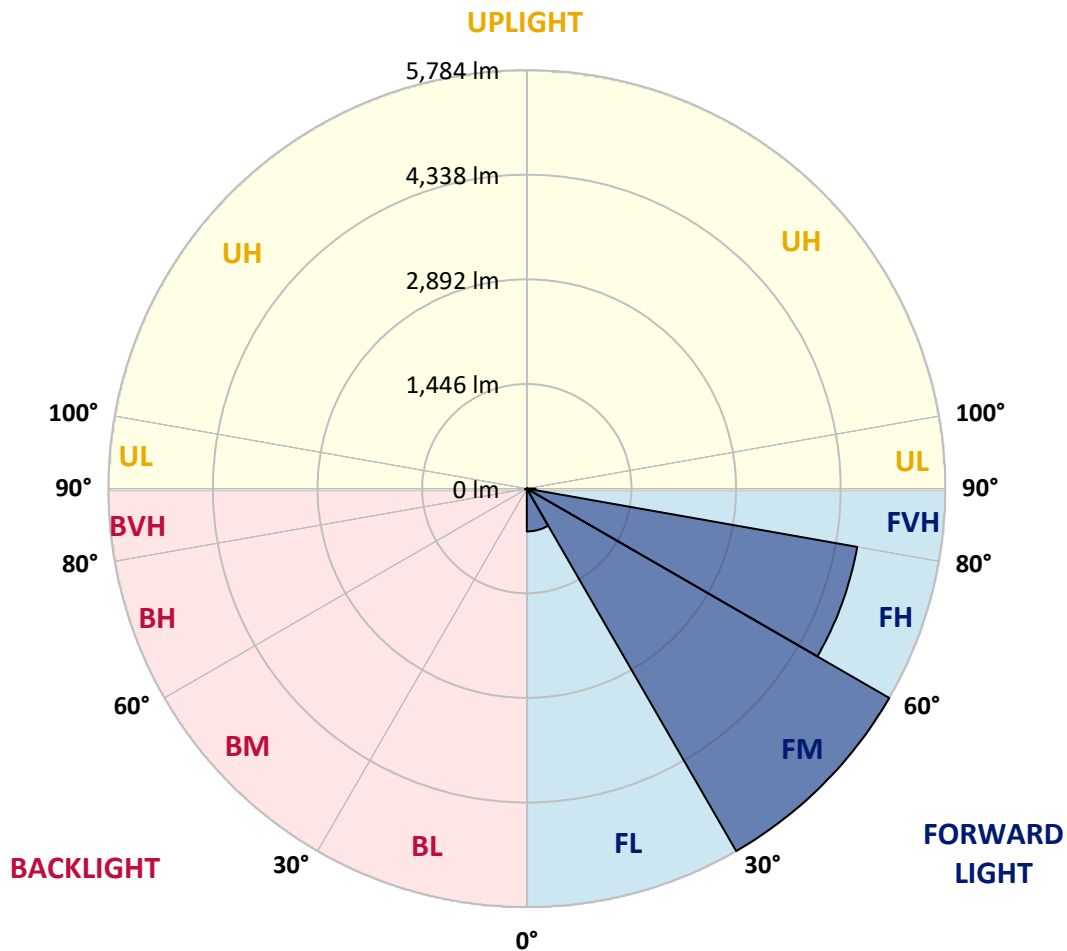
CATALOG NUMBER: GALN-SA4A-935-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	591.5	5.3			
FM	(30°-60°)	5784.3	51.8			
FH	(60°-80°)	4636.8	41.5			G2/5000
FVH	(80°-90°)	121.0	1.1			G2/225
BL	(0°-30°)	10.6	0.1	B0/110		
BM	(30°-60°)	9.8	0.1	B0/220		
BH	(60°-80°)	18.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	87.7	90.6	87.7	87.7	87.7	84.8	84.8	81.8	81.8	78.9	76.0
5°	128.6	128.6	119.8	114.0	108.1	105.2	102.3	96.4	90.6	84.8	78.9
7.5°	286.4	286.4	260.1	225.0	178.3	152.0	146.1	119.8	102.3	90.6	78.9
10°	683.9	683.9	625.4	529.0	409.2	303.9	271.8	172.4	122.7	96.4	81.8
12.5°	1136.9	1151.5	1078.4	955.7	777.4	593.3	529.0	315.6	163.7	105.2	81.8
15°	1543.1	1508.0	1487.6	1370.7	1201.2	982.0	900.1	531.9	236.7	119.8	81.8
17.5°	1817.8	1817.8	1788.6	1709.7	1554.8	1361.9	1294.7	859.2	382.9	137.4	84.8
20°	2139.3	2139.3	2086.7	2031.2	1893.8	1730.2	1665.9	1221.6	593.3	175.4	84.8
22.5°	2528.0	2533.9	2475.4	2376.0	2244.5	2063.3	2007.8	1557.7	859.2	233.8	87.7
25°	3001.5	3007.3	2922.6	2829.0	2627.4	2431.6	2346.8	1943.5	1183.6	327.3	87.7
27.5°	3524.6	3565.5	3439.8	3279.1	3065.8	2820.3	2756.0	2291.3	1505.1	461.8	93.5
30°	4176.3	4176.3	4009.7	3784.7	3553.8	3249.9	3168.1	2656.6	1847.1	640.0	99.4
32.5°	4737.5	4693.6	4480.3	4243.6	3998.1	3714.6	3626.9	3039.5	2197.8	862.2	111.1
35°	5167.1	5129.1	4866.1	4611.8	4398.4	4138.3	4033.1	3454.5	2568.9	1113.5	128.6
37.5°	5535.3	5520.7	5164.2	4845.6	4705.3	4477.4	4383.8	3846.1	2934.2	1385.3	149.1
40°	5938.6	5891.9	5511.9	5117.4	4907.0	4722.9	4638.1	4161.7	3285.0	1703.9	178.3
42.5°	6283.5	6228.0	5886.0	5500.3	5140.8	4892.4	4810.5	4427.7	3626.9	2022.4	216.3
45°	6666.4	6637.1	6292.3	6000.0	5520.7	5123.2	5015.1	4641.0	3939.6	2402.3	266.0
47.5°	7242.1	7189.5	6868.0	6628.4	6073.1	5473.9	5319.1	4860.2	4240.6	2776.4	341.9
50°	7911.4	7876.3	7686.3	7496.4	6944.0	6073.1	5889.0	5175.8	4576.7	3220.7	441.3
52.5°	8457.9	8452.0	8475.4	8478.3	8060.4	7081.4	6806.6	5684.4	4962.5	3659.0	581.6
55°	8446.2	8472.5	8729.7	9024.9	9057.0	8457.9	8191.9	6540.7	5465.2	4199.7	777.4
57.5°	8130.6	8110.1	8381.9	8826.1	9138.8	9203.1	9159.3	7870.4	6222.1	4851.4	1078.4
58°	8028.3	8010.7	8267.9	8720.9	9080.4	9252.8	9209.0	8171.5	6391.6	4945.0	1160.3
60°	7657.1	7660.0	7812.0	8224.1	8583.5	8992.7	9033.6	9030.7	7236.2	5570.4	1572.3
62.5°	7166.1	7142.7	7283.0	7619.1	7934.7	8209.5	8279.6	9089.2	8472.5	6365.3	2358.5
65°	6488.1	6453.0	6602.1	6982.0	7321.0	7499.3	7502.2	8305.9	9054.1	7218.7	3480.8
67.5°	5228.5	5199.2	5497.3	5985.4	6508.5	6742.3	6847.5	7207.0	8563.1	7797.4	4123.7
70°	3203.1	3264.5	3679.5	4445.2	5339.5	5769.1	5926.9	6038.0	7291.8	7709.7	3448.6
72.5°	1478.8	1405.7	1759.4	2294.2	3314.2	4269.9	4433.5	4869.0	5780.8	6692.7	2571.8
75°	689.7	663.4	745.3	1002.4	1502.2	2305.9	2604.0	3887.0	4433.5	4655.6	1855.8
77.5°	353.6	356.6	423.8	455.9	619.6	1066.7	1224.6	2557.2	3249.9	2598.2	1245.0
80°	154.9	160.7	163.7	178.3	251.3	412.1	464.7	1186.6	2221.1	1323.9	681.0
82.5°	99.4	102.3	102.3	102.3	119.8	163.7	187.0	476.4	1107.6	657.6	210.4
85°	52.6	52.6	58.5	73.1	84.8	99.4	105.2	152.0	365.3	195.8	49.7
87.5°	29.2	32.1	35.1	43.8	55.5	67.2	73.1	105.2	140.3	134.4	11.7
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-935-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	76.0	73.1	70.1	67.2	64.3	61.4	61.4	61.4	61.4	61.4	61.4
5°	73.1	70.1	67.2	61.4	55.5	52.6	49.7	46.8	46.8	46.8	46.8
7.5°	73.1	70.1	61.4	55.5	49.7	43.8	38.0	38.0	38.0	38.0	38.0
10°	73.1	67.2	58.5	49.7	40.9	35.1	32.1	29.2	29.2	29.2	29.2
12.5°	73.1	64.3	55.5	43.8	35.1	29.2	26.3	23.4	23.4	23.4	23.4
15°	73.1	64.3	52.6	40.9	32.1	23.4	20.5	17.5	17.5	17.5	17.5
17.5°	70.1	61.4	49.7	35.1	26.3	17.5	14.6	11.7	11.7	14.6	14.6
20°	67.2	58.5	43.8	29.2	20.5	14.6	8.8	8.8	8.8	8.8	8.8
22.5°	67.2	58.5	40.9	26.3	17.5	8.8	5.8	5.8	5.8	5.8	8.8
25°	67.2	55.5	35.1	20.5	11.7	5.8	2.9	2.9	2.9	2.9	2.9
27.5°	67.2	55.5	32.1	17.5	8.8	5.8	2.9	0.0	0.0	0.0	0.0
30°	64.3	52.6	29.2	14.6	5.8	2.9	0.0	0.0	0.0	0.0	0.0
32.5°	64.3	49.7	23.4	11.7	5.8	2.9	0.0	0.0	0.0	0.0	0.0
35°	67.2	46.8	20.5	8.8	2.9	0.0	0.0	0.0	0.0	0.0	2.9
37.5°	70.1	43.8	17.5	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	73.1	40.9	17.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	78.9	40.9	14.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	84.8	40.9	11.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	96.4	43.8	11.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	105.2	46.8	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	116.9	43.8	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	131.5	43.8	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	143.2	40.9	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	149.1	38.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	178.3	35.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	277.6	29.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	564.1	26.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1052.1	23.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1177.8	26.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	742.3	20.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	391.6	20.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	195.8	20.5	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	90.6	14.6	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	38.0	8.8	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.5	8.8	5.8	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
87.5°	8.8	8.8	8.8	5.8	5.8	2.9	2.9	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: SP1-2407-184-15

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-935-U-5WQ

Data in this report applies to families of products including GSS-SB1A-935-U-5WQ

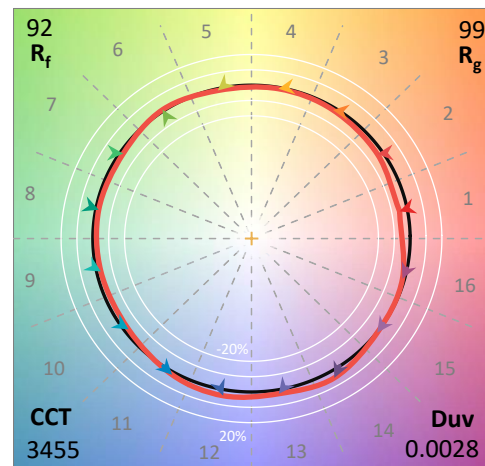
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-15
 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-935-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3455
 CIE u' : 0.2356
 CIE v' : 0.5159
 Duv: 0.0028
 CIE x: 0.4109
 CIE y: 0.3999
 CIE z: 0.1892
 Peak Wavelength (nm): 616
 Dominant Wavelength (nm): 579
 Purity: 43.35383
 R_f: 92.3
 R_g: 98.5

CRI (Ra): 92.2
 R1: 92.0
 R2: 94.4
 R3: 95.6
 R4: 93.2
 R5: 91.4
 R6: 92.5
 R7: 94.5
 R8: 84.2
 R9: 59.8
 R10: 85.8
 R11: 93.2
 R12: 78.0
 R13: 92.5
 R14: 97.0
 R15: 88.4



Test Conditions

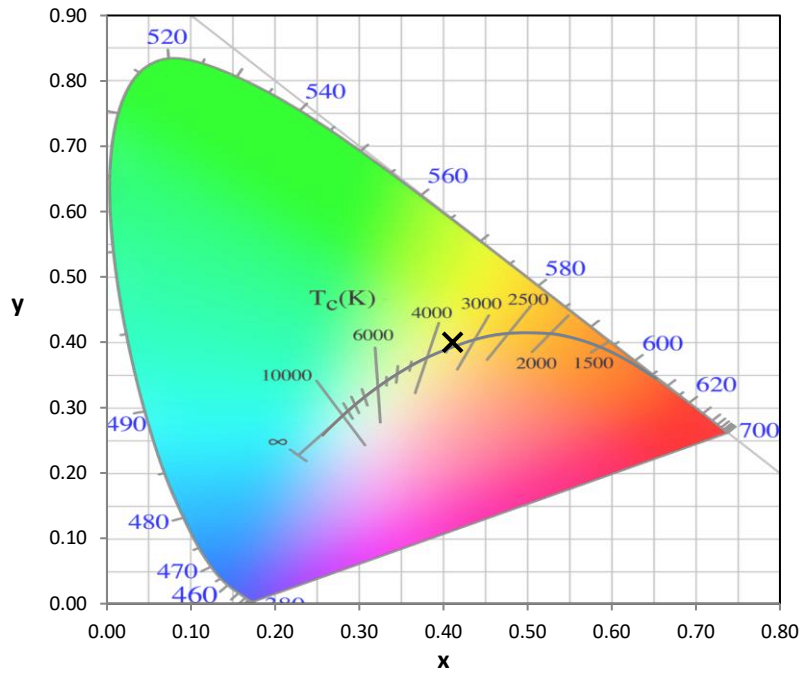
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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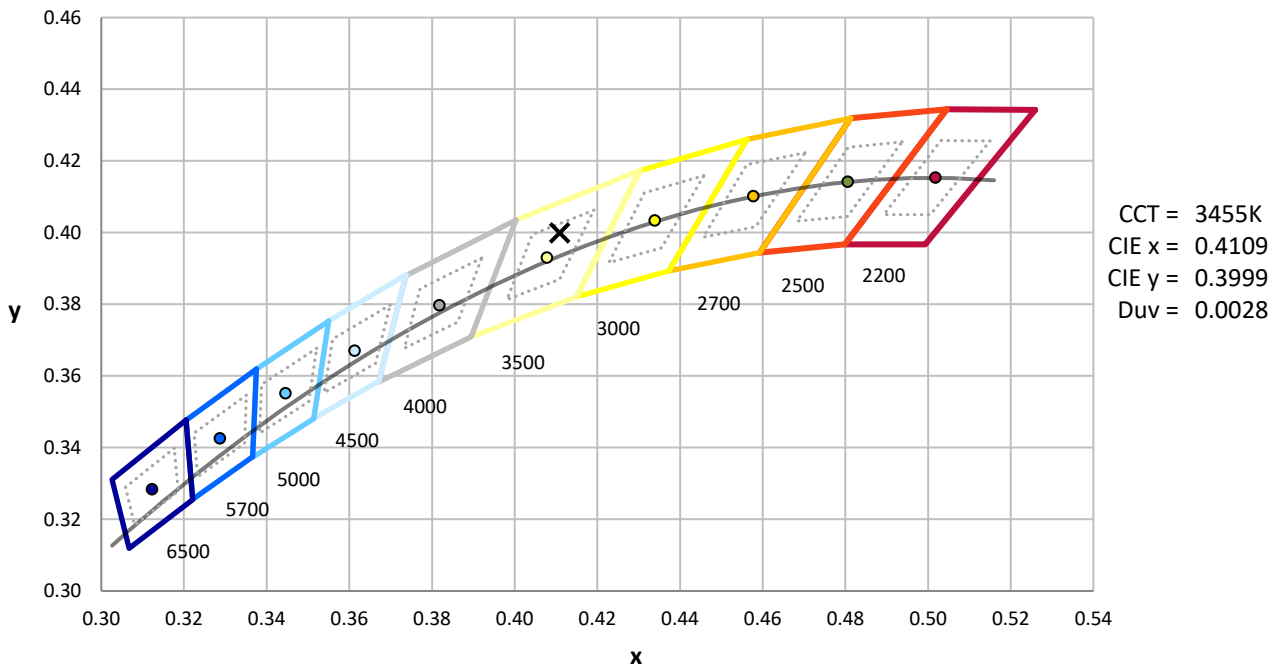
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



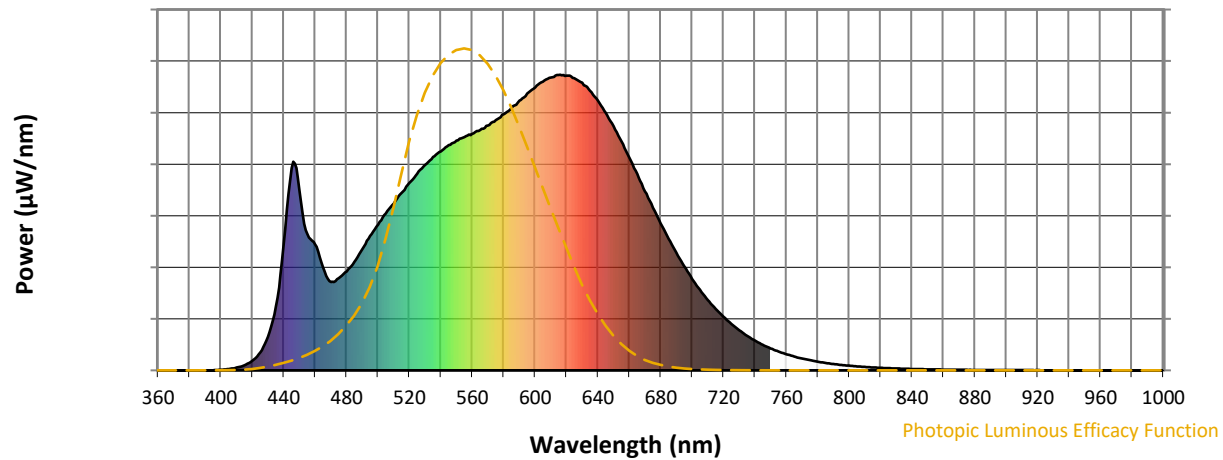
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

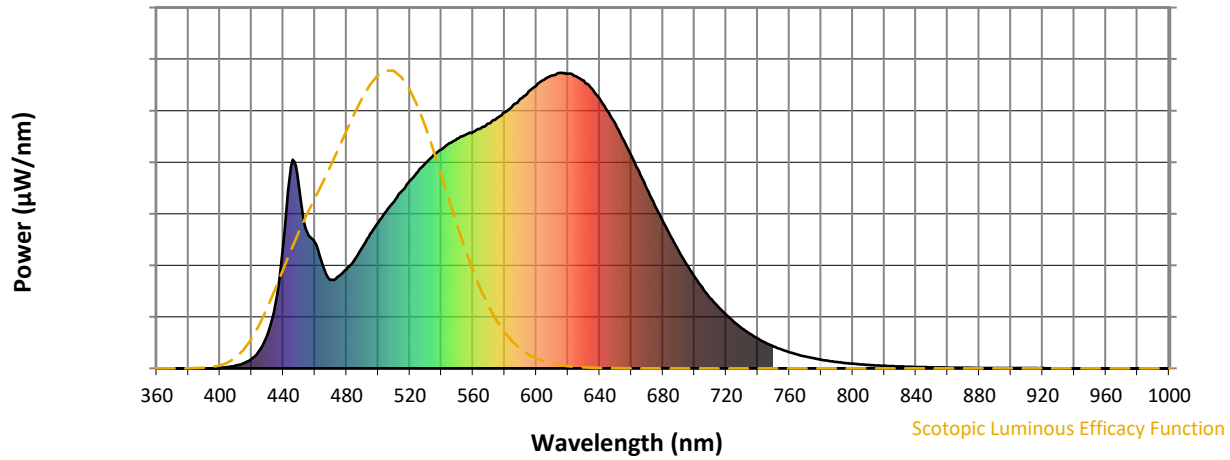


Photopic Lumens: NR

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	410	NR	620	997	NR	750	74	NR	880	1	NR
365	0	NR	495	454	NR	625	988	NR	755	64	NR	885	1	NR
370	0	NR	500	493	NR	630	973	NR	760	54	NR	890	1	NR
375	0	NR	505	530	NR	635	946	NR	765	47	NR	895	1	NR
380	0	NR	510	564	NR	640	913	NR	770	40	NR	900	1	NR
385	0	NR	515	599	NR	645	870	NR	775	34	NR	905	1	NR
390	0	NR	520	634	NR	650	826	NR	780	29	NR	910	1	NR
395	0	NR	525	664	NR	655	774	NR	785	25	NR	915	1	NR
400	2	NR	530	695	NR	660	720	NR	790	21	NR	920	1	NR
405	4	NR	535	722	NR	665	664	NR	795	18	NR	925	1	NR
410	9	NR	540	741	NR	670	605	NR	800	16	NR	930	0	NR
415	17	NR	545	762	NR	675	550	NR	805	13	NR	935	0	NR
420	32	NR	550	777	NR	680	497	NR	810	12	NR	940	0	NR
425	61	NR	555	789	NR	685	445	NR	815	10	NR	945	0	NR
430	114	NR	560	800	NR	690	398	NR	820	9	NR	950	0	NR
435	218	NR	565	813	NR	695	352	NR	825	7	NR	955	0	NR
440	427	NR	570	828	NR	700	309	NR	830	6	NR	960	0	NR
445	684	NR	575	846	NR	705	273	NR	835	5	NR	965	0	NR
450	611	NR	580	866	NR	710	237	NR	840	5	NR	970	0	NR
455	461	NR	585	888	NR	715	208	NR	845	4	NR	975	0	NR
460	427	NR	590	913	NR	720	181	NR	850	4	NR	980	0	NR
465	349	NR	595	936	NR	725	157	NR	855	3	NR	985	0	NR
470	298	NR	600	957	NR	730	136	NR	860	3	NR	990	1	NR
475	312	NR	605	976	NR	735	117	NR	865	2	NR	995	0	NR
480	335	NR	610	990	NR	740	100	NR	870	2	NR	1000	0	NR
485	367	NR	615	999	NR	745	86	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



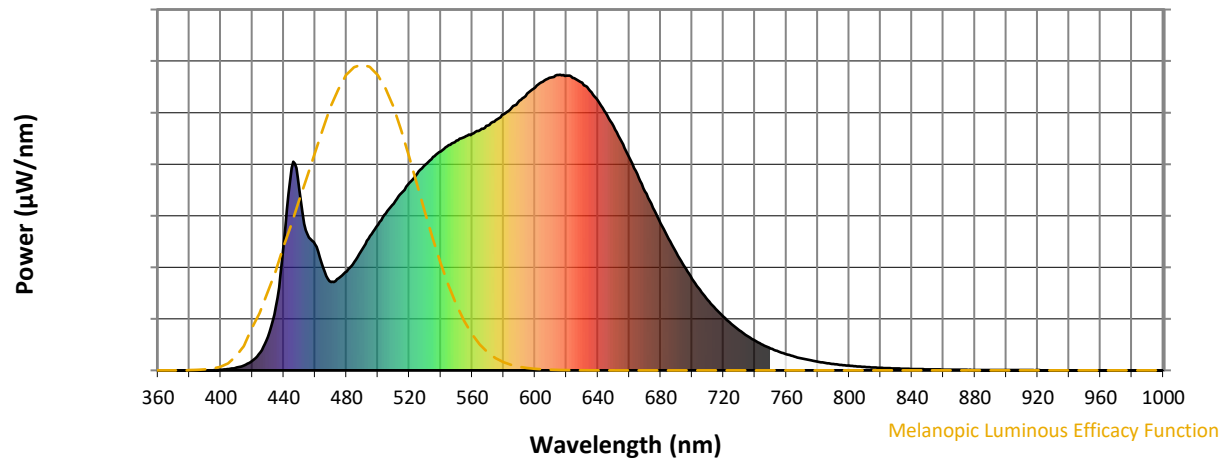
Scotopic Lumens: NR

S/P: 1.58

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	410	NR	620	997	NR	750	74	NR	880	1	NR
365	0	NR	495	454	NR	625	988	NR	755	64	NR	885	1	NR
370	0	NR	500	493	NR	630	973	NR	760	54	NR	890	1	NR
375	0	NR	505	530	NR	635	946	NR	765	47	NR	895	1	NR
380	0	NR	510	564	NR	640	913	NR	770	40	NR	900	1	NR
385	0	NR	515	599	NR	645	870	NR	775	34	NR	905	1	NR
390	0	NR	520	634	NR	650	826	NR	780	29	NR	910	1	NR
395	0	NR	525	664	NR	655	774	NR	785	25	NR	915	1	NR
400	2	NR	530	695	NR	660	720	NR	790	21	NR	920	1	NR
405	4	NR	535	722	NR	665	664	NR	795	18	NR	925	1	NR
410	9	NR	540	741	NR	670	605	NR	800	16	NR	930	0	NR
415	17	NR	545	762	NR	675	550	NR	805	13	NR	935	0	NR
420	32	NR	550	777	NR	680	497	NR	810	12	NR	940	0	NR
425	61	NR	555	789	NR	685	445	NR	815	10	NR	945	0	NR
430	114	NR	560	800	NR	690	398	NR	820	9	NR	950	0	NR
435	218	NR	565	813	NR	695	352	NR	825	7	NR	955	0	NR
440	427	NR	570	828	NR	700	309	NR	830	6	NR	960	0	NR
445	684	NR	575	846	NR	705	273	NR	835	5	NR	965	0	NR
450	611	NR	580	866	NR	710	237	NR	840	5	NR	970	0	NR
455	461	NR	585	888	NR	715	208	NR	845	4	NR	975	0	NR
460	427	NR	590	913	NR	720	181	NR	850	4	NR	980	0	NR
465	349	NR	595	936	NR	725	157	NR	855	3	NR	985	0	NR
470	298	NR	600	957	NR	730	136	NR	860	3	NR	990	1	NR
475	312	NR	605	976	NR	735	117	NR	865	2	NR	995	0	NR
480	335	NR	610	990	NR	740	100	NR	870	2	NR	1000	0	NR
485	367	NR	615	999	NR	745	86	NR	875	2	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.14

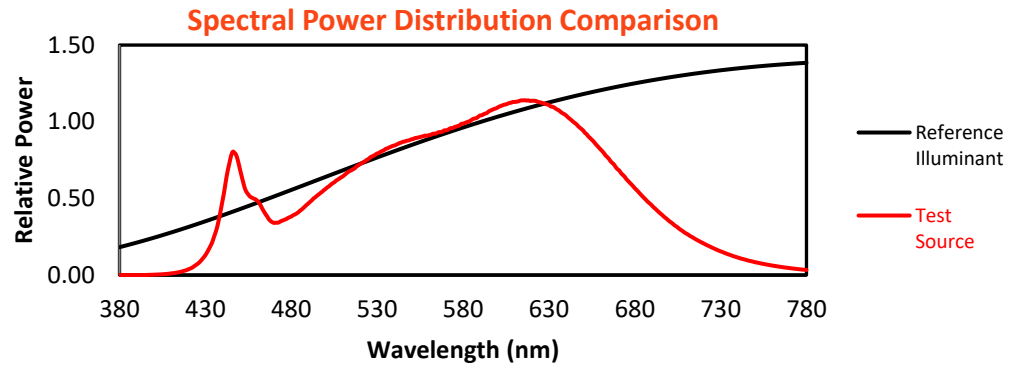
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	410	NR	620	997	NR	750	74	NR	880	1	NR
365	0	NR	495	454	NR	625	988	NR	755	64	NR	885	1	NR
370	0	NR	500	493	NR	630	973	NR	760	54	NR	890	1	NR
375	0	NR	505	530	NR	635	946	NR	765	47	NR	895	1	NR
380	0	NR	510	564	NR	640	913	NR	770	40	NR	900	1	NR
385	0	NR	515	599	NR	645	870	NR	775	34	NR	905	1	NR
390	0	NR	520	634	NR	650	826	NR	780	29	NR	910	1	NR
395	0	NR	525	664	NR	655	774	NR	785	25	NR	915	1	NR
400	2	NR	530	695	NR	660	720	NR	790	21	NR	920	1	NR
405	4	NR	535	722	NR	665	664	NR	795	18	NR	925	1	NR
410	9	NR	540	741	NR	670	605	NR	800	16	NR	930	0	NR
415	17	NR	545	762	NR	675	550	NR	805	13	NR	935	0	NR
420	32	NR	550	777	NR	680	497	NR	810	12	NR	940	0	NR
425	61	NR	555	789	NR	685	445	NR	815	10	NR	945	0	NR
430	114	NR	560	800	NR	690	398	NR	820	9	NR	950	0	NR
435	218	NR	565	813	NR	695	352	NR	825	7	NR	955	0	NR
440	427	NR	570	828	NR	700	309	NR	830	6	NR	960	0	NR
445	684	NR	575	846	NR	705	273	NR	835	5	NR	965	0	NR
450	611	NR	580	866	NR	710	237	NR	840	5	NR	970	0	NR
455	461	NR	585	888	NR	715	208	NR	845	4	NR	975	0	NR
460	427	NR	590	913	NR	720	181	NR	850	4	NR	980	0	NR
465	349	NR	595	936	NR	725	157	NR	855	3	NR	985	0	NR
470	298	NR	600	957	NR	730	136	NR	860	3	NR	990	1	NR
475	312	NR	605	976	NR	735	117	NR	865	2	NR	995	0	NR
480	335	NR	610	990	NR	740	100	NR	870	2	NR	1000	0	NR
485	367	NR	615	999	NR	745	86	NR	875	2	NR			

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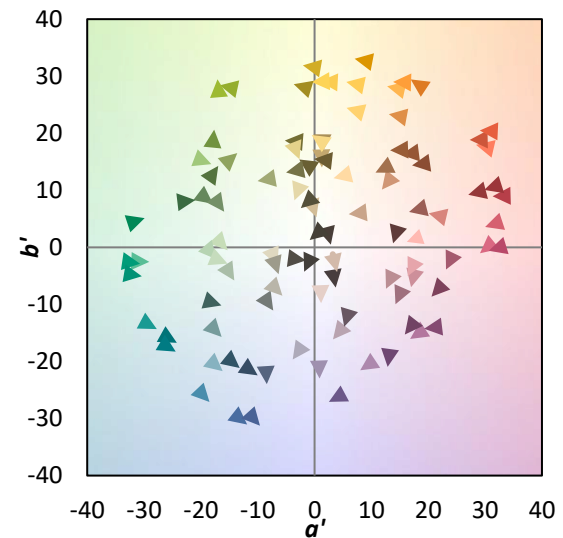
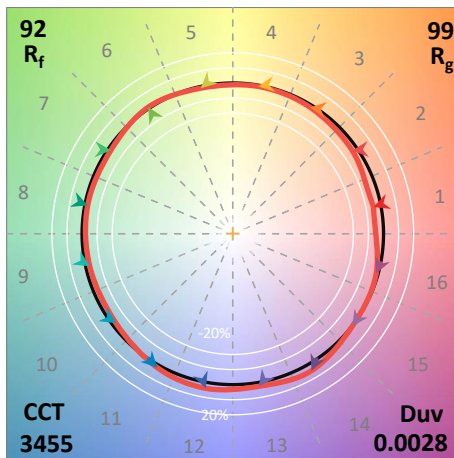
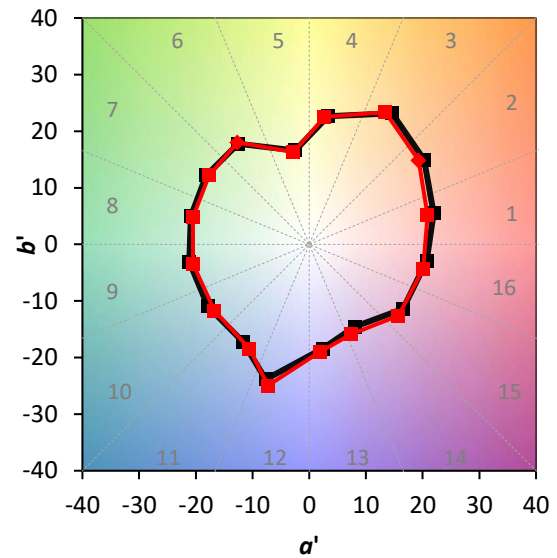
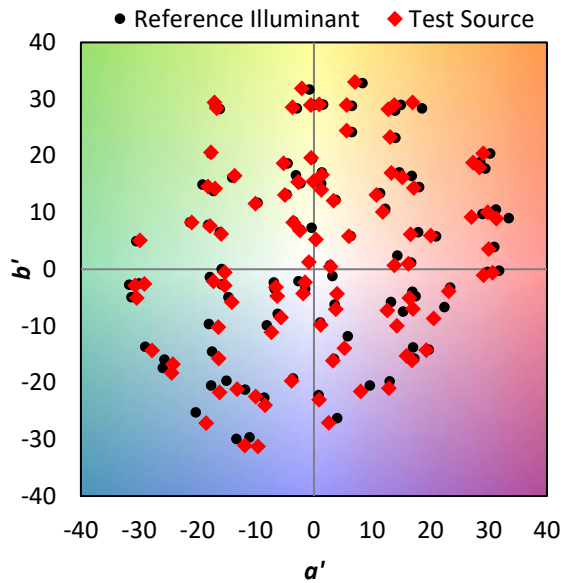
TM-30-18

Summary

$R_f = 92.3$
 $R_g = 98.5$
 $\text{CIE } R_a = 92.2$
 $R_9 = 59.8$

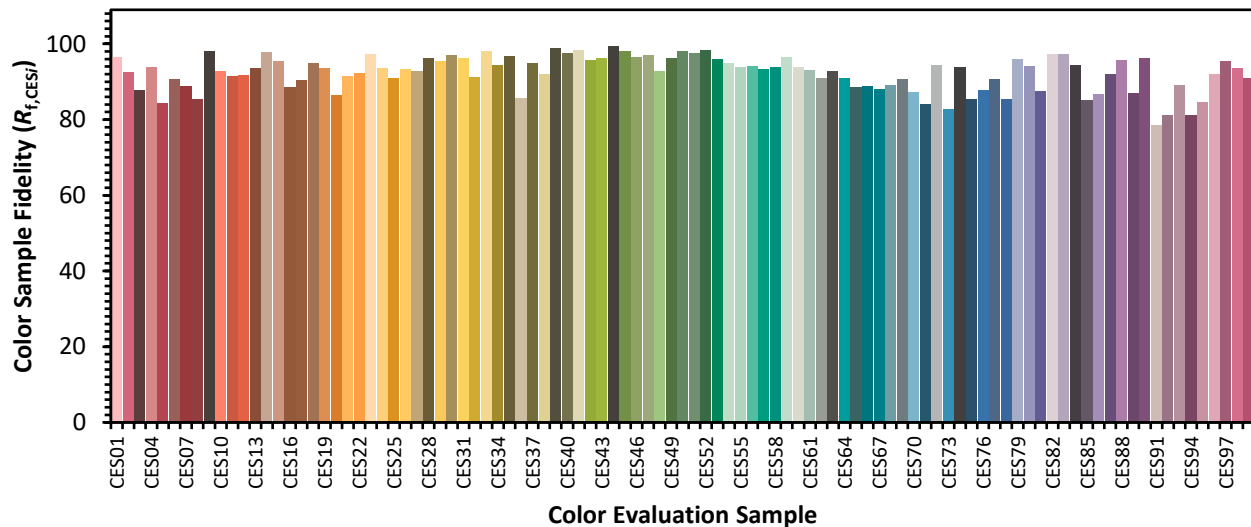


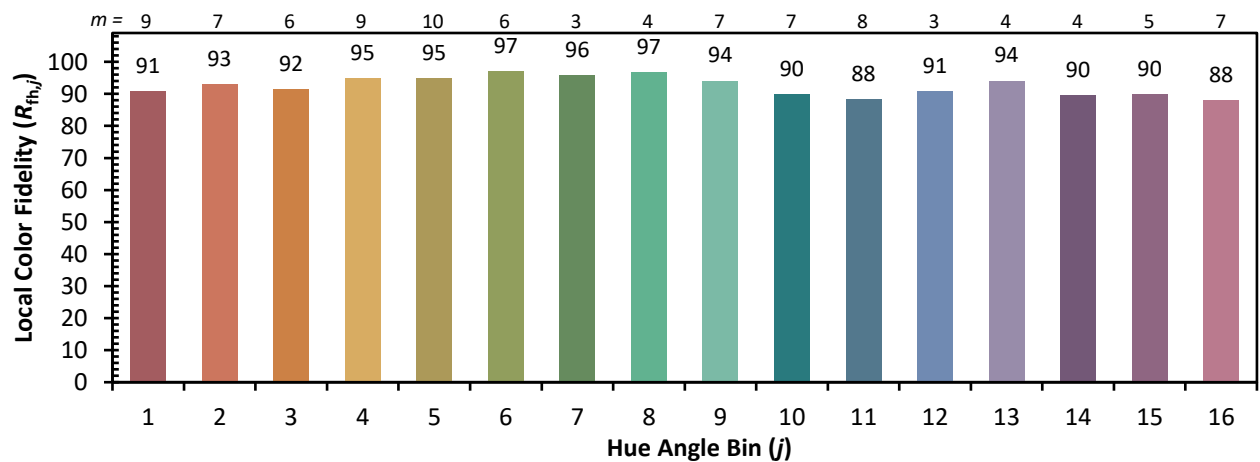
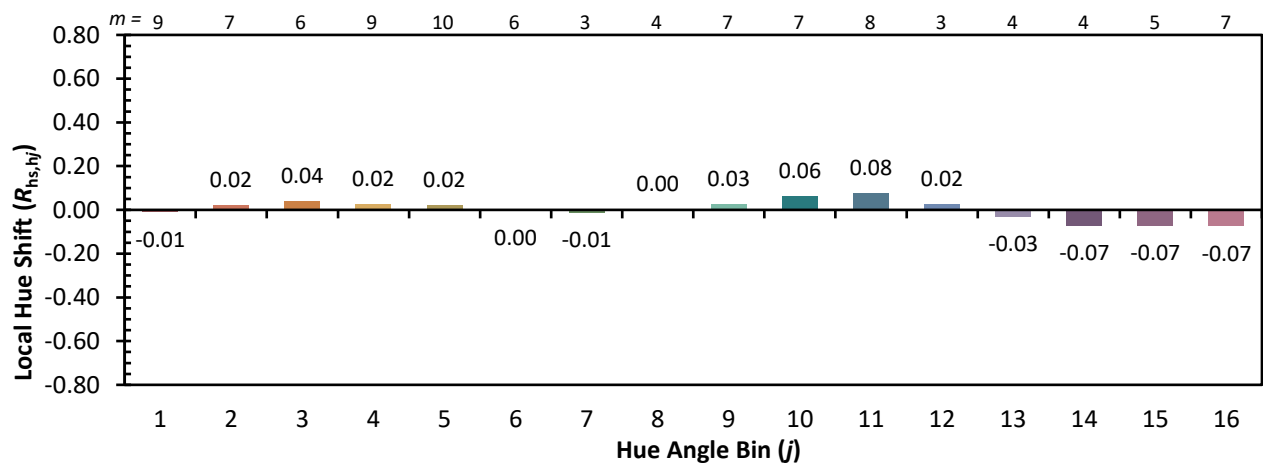
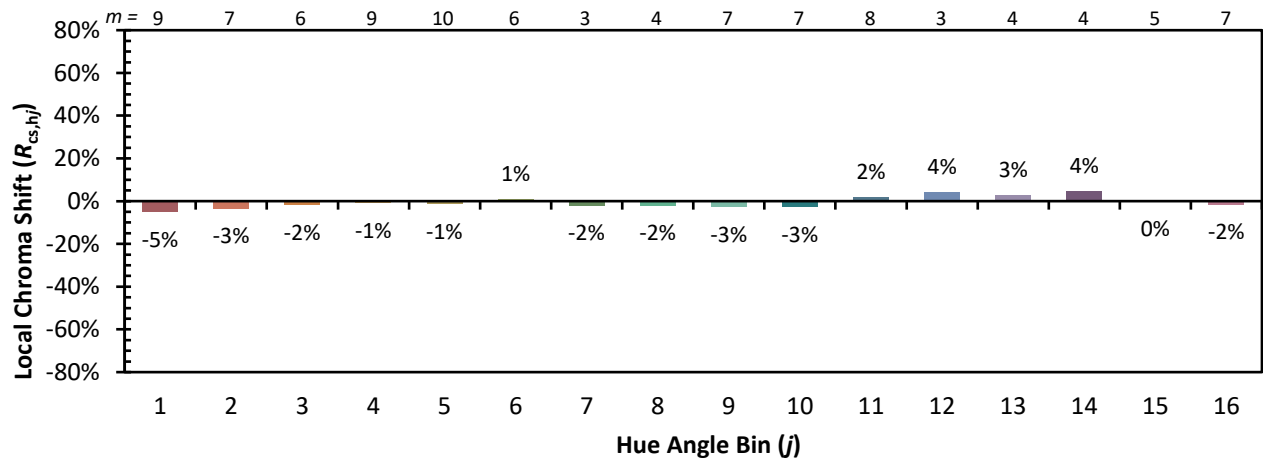
Color Vector Graphics

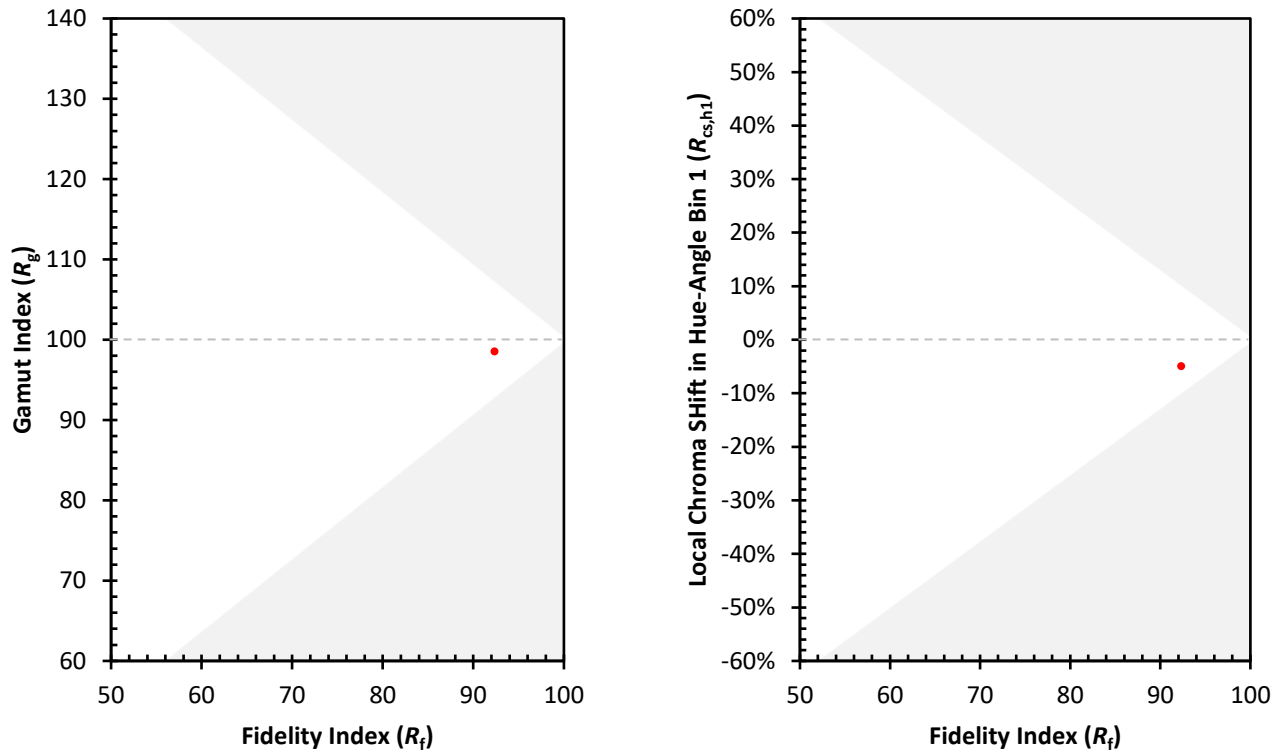


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 93	CES51 = 97	CES76 = 88
CES02 = 62	CES27 = 93	CES52 = 98	CES77 = 91
CES03 = 31	CES28 = 96	CES53 = 96	CES78 = 85
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 96
CES05 = 50	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 87
CES07 = 42	CES32 = 91	CES57 = 93	CES82 = 97
CES08 = 41	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 94	CES59 = 96	CES84 = 94
CES10 = 75	CES35 = 97	CES60 = 94	CES85 = 85
CES11 = 58	CES36 = 86	CES61 = 93	CES86 = 87
CES12 = 64	CES37 = 95	CES62 = 91	CES87 = 92
CES13 = 43	CES38 = 92	CES63 = 93	CES88 = 96
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 47	CES41 = 98	CES66 = 89	CES91 = 78
CES17 = 49	CES42 = 96	CES67 = 88	CES92 = 81
CES18 = 56	CES43 = 96	CES68 = 89	CES93 = 89
CES19 = 71	CES44 = 99	CES69 = 91	CES94 = 81
CES20 = 66	CES45 = 98	CES70 = 87	CES95 = 85
CES21 = 86	CES46 = 97	CES71 = 84	CES96 = 92
CES22 = 78	CES47 = 97	CES72 = 95	CES97 = 95
CES23 = 91	CES48 = 93	CES73 = 83	CES98 = 94
CES24 = 90	CES49 = 96	CES74 = 94	CES99 = 91
CES25 = 71	CES50 = 98	CES75 = 85	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)