

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: P1048758

Luminaire Tested: **GALN-SA5B-935-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048758
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-935-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
90CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16512.9 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
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

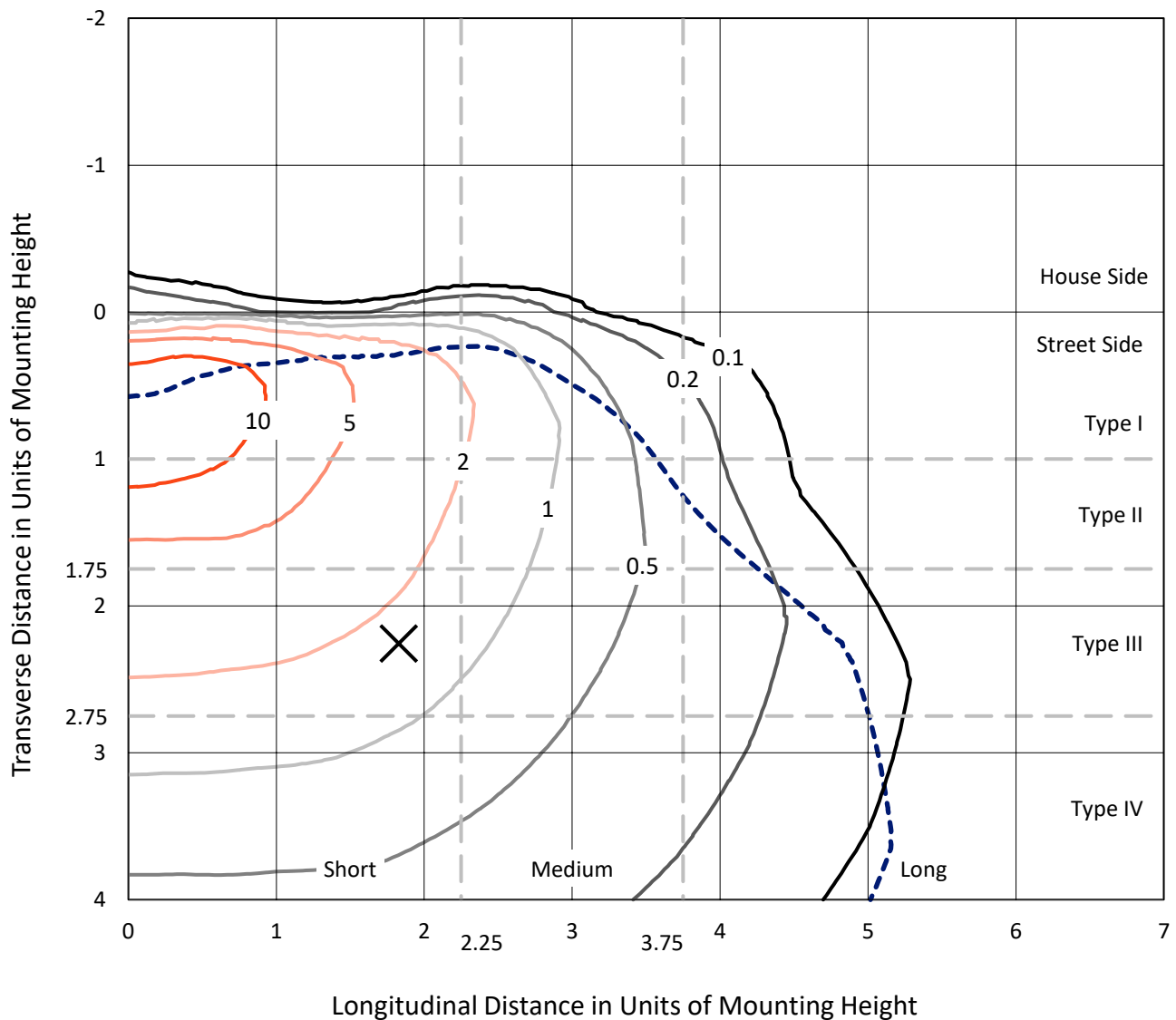


REPORT NUMBER: P1048758

CATALOG NUMBER: GALN-SA5B-935-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

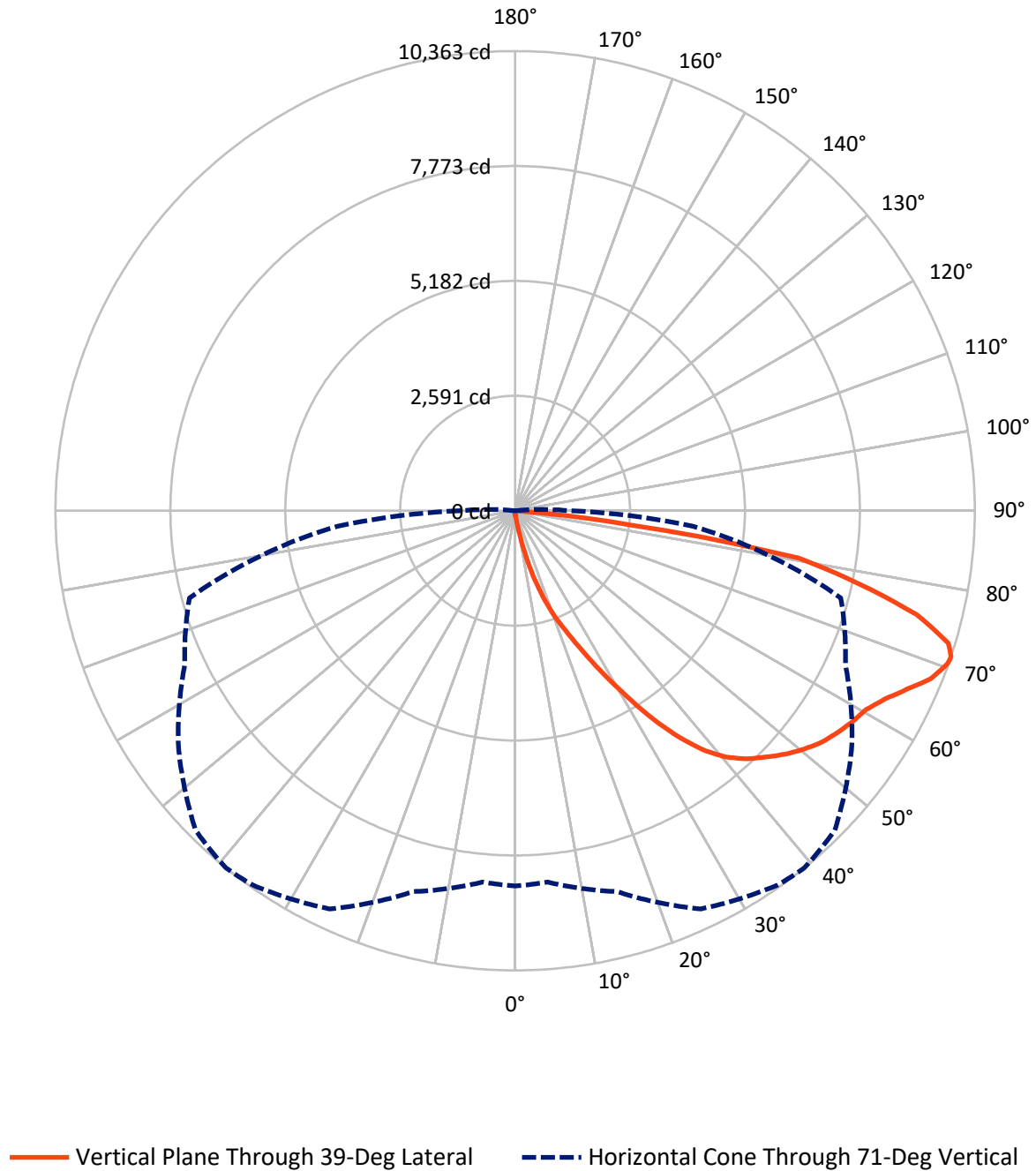


Based on 15 foot mounting height. Maximum calculated value = 17 fc
 Type IV - Short - N/A

REPORT NUMBER: P1048758

CATALOG NUMBER: GALN-SA5B-935-U-T4BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	58.7	0.0	58.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16454.2	0.0	16454.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	16512.9	0.0	16512.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.1
10°-20°	176.5	1.1
20°-30°	628.5	3.8
30°-40°	1514.8	9.2
40°-50°	2535.1	15.4
50°-60°	3256.1	19.7
60°-70°	4120.6	25.0
70°-80°	3673.7	22.2
80°-90°	593.8	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°	16512.9	100.0
0°-180°	16512.9	100.0



REPORT NUMBER: P1048758

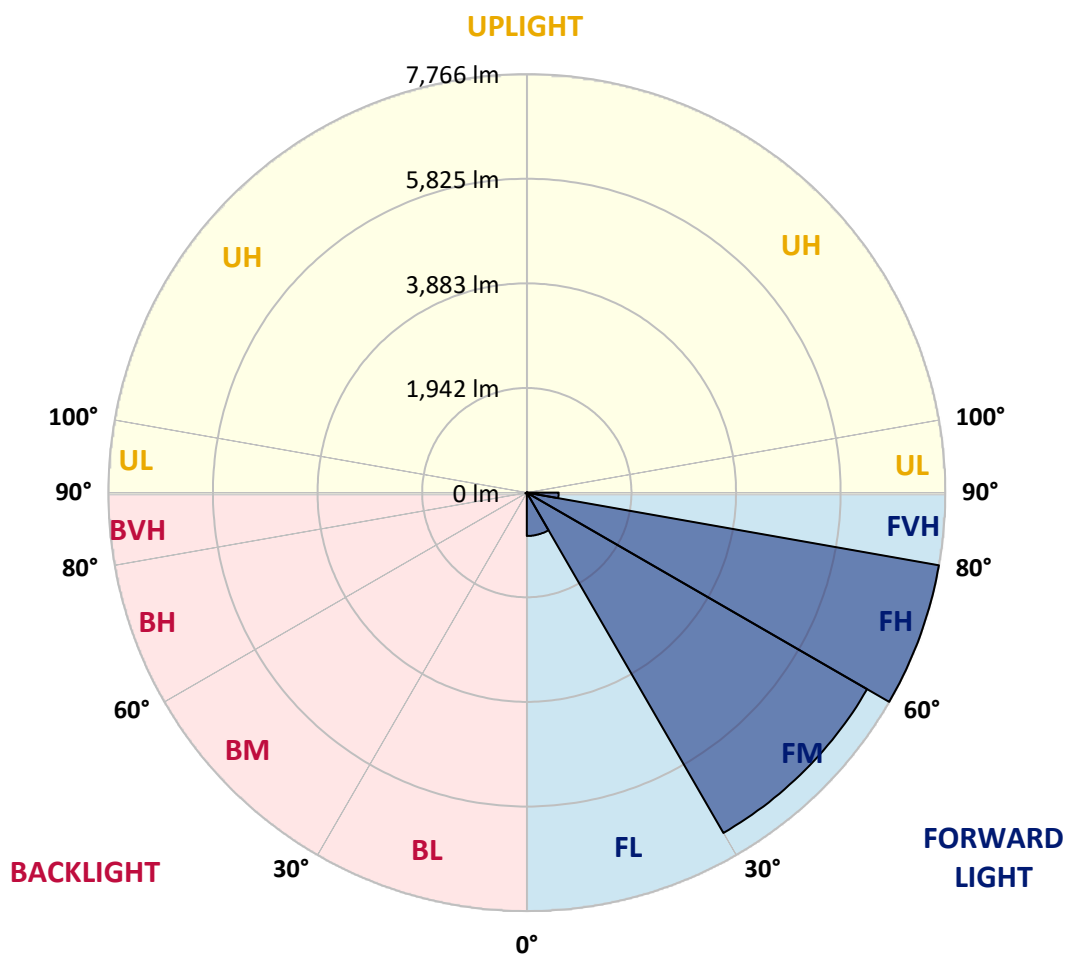
CATALOG NUMBER: GALN-SA5B-935-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	804.6	4.9			
FM	(30°-60°)	7292.4	44.2			
FH	(60°-80°)	7766.0	47.0			G4/12000
FVH	(80°-90°)	591.1	3.6			G4/750
BL	(0°-30°)	14.2	0.1	B0/110		
BM	(30°-60°)	13.6	0.1	B0/220		
BH	(60°-80°)	28.2	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





REPORT NUMBER: P1048758

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2.5°	104.0	104.0	104.0	100.6	100.6	99.5	98.4	98.4	96.1	95.0	92.8
5°	157.6	154.3	146.4	142.0	133.0	127.4	121.8	114.0	106.2	100.6	93.9
7.5°	356.6	364.4	338.7	290.6	241.5	220.2	184.4	148.7	123.0	106.2	95.0
10°	908.8	904.3	817.1	721.0	556.7	490.7	384.5	242.6	158.7	116.3	96.1
12.5°	1546.0	1541.5	1438.7	1307.9	1091.0	953.5	752.3	452.7	228.0	131.9	96.1
15°	2081.4	2063.5	2031.1	1901.4	1647.7	1532.5	1266.5	800.4	368.9	158.7	98.4
17.5°	2435.8	2420.1	2389.9	2343.0	2182.0	2045.6	1832.1	1257.6	596.9	205.7	102.8
20°	2761.0	2749.9	2725.3	2716.3	2612.4	2539.7	2363.1	1782.9	930.0	279.5	109.5
22.5°	3208.2	3184.7	3194.8	3141.1	3039.4	2952.2	2843.8	2332.9	1336.9	402.4	121.8
25°	3755.9	3744.7	3716.8	3678.8	3537.9	3461.9	3295.4	2851.6	1791.9	563.4	135.3
27.5°	4417.7	4405.4	4398.7	4311.5	4149.4	4066.7	3834.2	3341.2	2303.9	789.2	153.1
30°	5180.0	5185.6	5142.0	5030.2	4841.3	4725.1	4485.9	3854.3	2828.1	1054.1	172.1
32.5°	5969.2	5958.0	5891.0	5759.1	5590.3	5481.9	5177.8	4416.6	3378.1	1404.0	194.5
35°	6819.9	6798.7	6622.0	6471.1	6326.9	6190.6	5913.3	5069.4	3928.1	1796.4	224.7
37.5°	7678.4	7578.9	7224.6	7033.4	6933.9	6822.1	6563.9	5765.8	4474.7	2234.5	261.6
40°	8326.7	8249.6	7829.3	7477.2	7397.8	7302.8	7110.5	6367.2	5056.0	2705.2	306.3
42.5°	8685.6	8643.1	8265.3	7917.6	7730.9	7647.1	7482.8	6892.6	5630.5	3224.9	371.1
45°	8838.7	8772.8	8520.1	8358.0	8060.7	7922.1	7726.5	7289.4	6230.8	3815.2	461.7
47.5°	8791.8	8753.7	8572.7	8631.9	8416.2	8200.4	7913.1	7593.4	6743.9	4492.6	585.7
50°	8496.6	8464.2	8408.3	8729.2	8702.3	8447.5	8154.6	7833.8	7163.1	5191.2	778.0
52.5°	7935.5	7922.1	8065.2	8653.1	8864.4	8665.4	8387.1	8046.2	7554.3	5921.2	1053.0
55°	7212.3	7267.0	7676.2	8534.7	8947.1	8826.4	8592.8	8245.1	7868.4	6574.0	1458.8
57.5°	6914.9	6929.4	7440.3	8450.8	8984.0	8968.4	8792.9	8435.2	8156.8	7096.0	2078.1
60°	7262.6	7240.2	7509.6	8514.5	9057.8	9095.8	8970.6	8611.8	8407.2	7544.3	2903.0
62.5°	7890.8	7878.5	7964.6	8786.2	9273.5	9350.7	9217.6	8739.2	8628.6	7839.4	3844.2
65°	8451.9	8426.2	8586.1	9268.0	9652.5	9707.3	9591.0	8957.2	8725.8	8054.0	4728.4
67.5°	8694.5	8688.9	8946.0	9726.3	10050.4	10109.7	10008.0	9257.9	8703.4	8122.2	5118.6
70°	8583.8	8562.6	8974.0	9920.8	10275.1	10342.2	10243.8	9369.7	8460.9	7906.4	4540.6
71°	8462.0	8405.0	8890.1	9907.4	10306.4	10363.4	10191.3	9268.0	8217.2	7600.1	4016.4
72.5°	8084.2	8094.2	8659.8	9767.6	10231.5	10214.8	9893.9	8903.5	7923.2	6904.9	3226.1
75°	7154.1	7213.4	7914.3	9180.8	9563.1	9349.6	8858.8	8207.1	7333.0	4950.9	2240.1
77.5°	5846.3	5934.6	6704.8	8051.7	7943.3	7922.1	7902.0	7231.3	6262.1	2659.3	1558.3
80°	2791.2	2982.4	4044.3	5747.9	6244.2	6484.5	6333.6	5827.3	4842.5	1266.5	931.2
82.5°	182.2	180.0	254.9	482.9	2035.6	2631.4	4180.7	4165.0	3375.9	617.0	380.1
85°	86.1	88.3	97.3	110.7	128.6	140.8	194.5	1140.2	1615.3	294.0	82.7
87.5°	50.3	51.4	60.4	77.1	100.6	111.8	133.0	171.0	210.2	162.1	17.9
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: P1048758

CATALOG NUMBER: GALN-SA5B-935-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2.5°	91.7	90.5	87.2	83.8	80.5	78.2	77.1	78.2	78.2	79.4	79.4
5°	91.7	88.3	82.7	76.0	71.5	67.1	64.8	63.7	64.8	64.8	64.8
7.5°	90.5	85.0	77.1	69.3	63.7	58.1	55.9	54.8	54.8	55.9	55.9
10°	88.3	82.7	72.7	63.7	57.0	50.3	46.9	43.6	43.6	43.6	44.7
12.5°	87.2	79.4	67.1	58.1	49.2	41.4	34.7	31.3	32.4	32.4	32.4
15°	85.0	76.0	63.7	52.5	41.4	31.3	25.7	22.4	23.5	24.6	23.5
17.5°	85.0	74.9	59.2	45.8	32.4	23.5	19.0	16.8	16.8	17.9	17.9
20°	85.0	72.7	55.9	39.1	24.6	17.9	13.4	12.3	12.3	14.5	15.6
22.5°	87.2	72.7	51.4	32.4	20.1	13.4	10.1	8.9	10.1	12.3	13.4
25°	90.5	71.5	46.9	29.1	16.8	10.1	7.8	5.6	6.7	8.9	10.1
27.5°	93.9	70.4	42.5	25.7	13.4	7.8	5.6	4.5	3.4	4.5	4.5
30°	97.3	70.4	38.0	21.2	11.2	5.6	3.4	2.2	1.1	0.0	0.0
32.5°	99.5	68.2	34.7	16.8	8.9	4.5	2.2	1.1	0.0	0.0	0.0
35°	101.7	66.0	30.2	13.4	6.7	3.4	1.1	0.0	0.0	0.0	0.0
37.5°	104.0	62.6	25.7	11.2	5.6	2.2	0.0	0.0	0.0	0.0	0.0
40°	106.2	58.1	21.2	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	108.4	54.8	17.9	7.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	114.0	52.5	14.5	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	124.1	50.3	13.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	138.6	48.1	12.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	158.7	46.9	11.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	194.5	45.8	10.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	256.0	44.7	10.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	392.4	42.5	10.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	700.9	41.4	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1221.8	42.5	8.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1751.6	44.7	7.8	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1499.0	39.1	7.8	4.5	2.2	1.1	0.0	0.0	0.0	0.0	0.0
71°	1221.8	34.7	7.8	4.5	2.2	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	785.8	26.8	6.7	4.5	2.2	2.2	1.1	0.0	0.0	0.0	0.0
75°	332.0	22.4	6.7	4.5	3.4	2.2	2.2	1.1	0.0	0.0	0.0
77.5°	142.0	16.8	6.7	5.6	4.5	3.4	3.4	2.2	1.1	0.0	0.0
80°	53.7	13.4	7.8	6.7	5.6	5.6	4.5	2.2	1.1	0.0	0.0
82.5°	24.6	11.2	7.8	6.7	6.7	5.6	4.5	3.4	2.2	0.0	0.0
85°	15.6	10.1	7.8	6.7	6.7	5.6	5.6	3.4	2.2	0.0	0.0
87.5°	12.3	10.1	7.8	7.8	6.7	6.7	4.5	3.4	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: SP1-2407-184-15

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

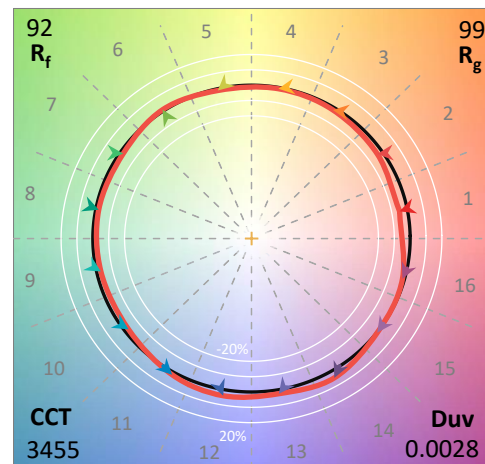
Test Information

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

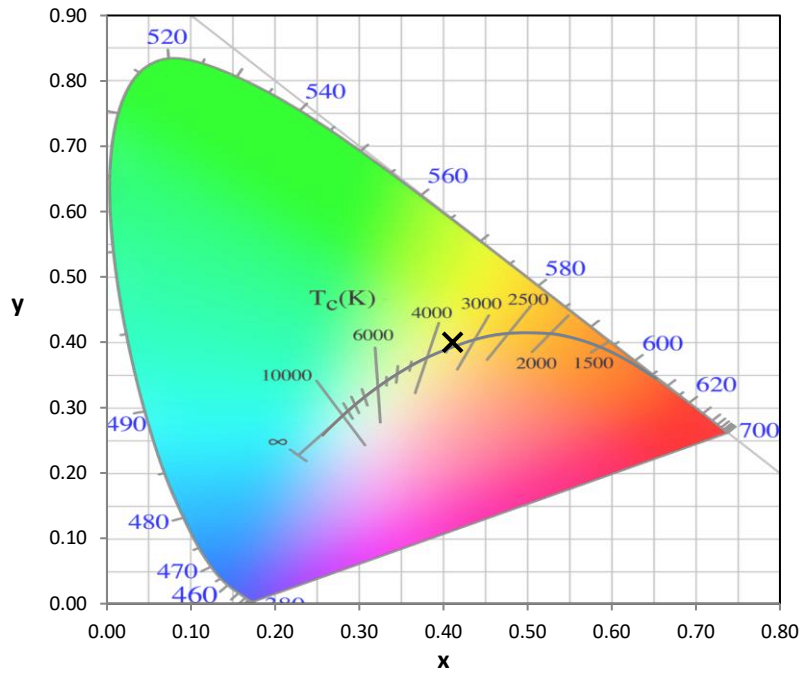
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-15

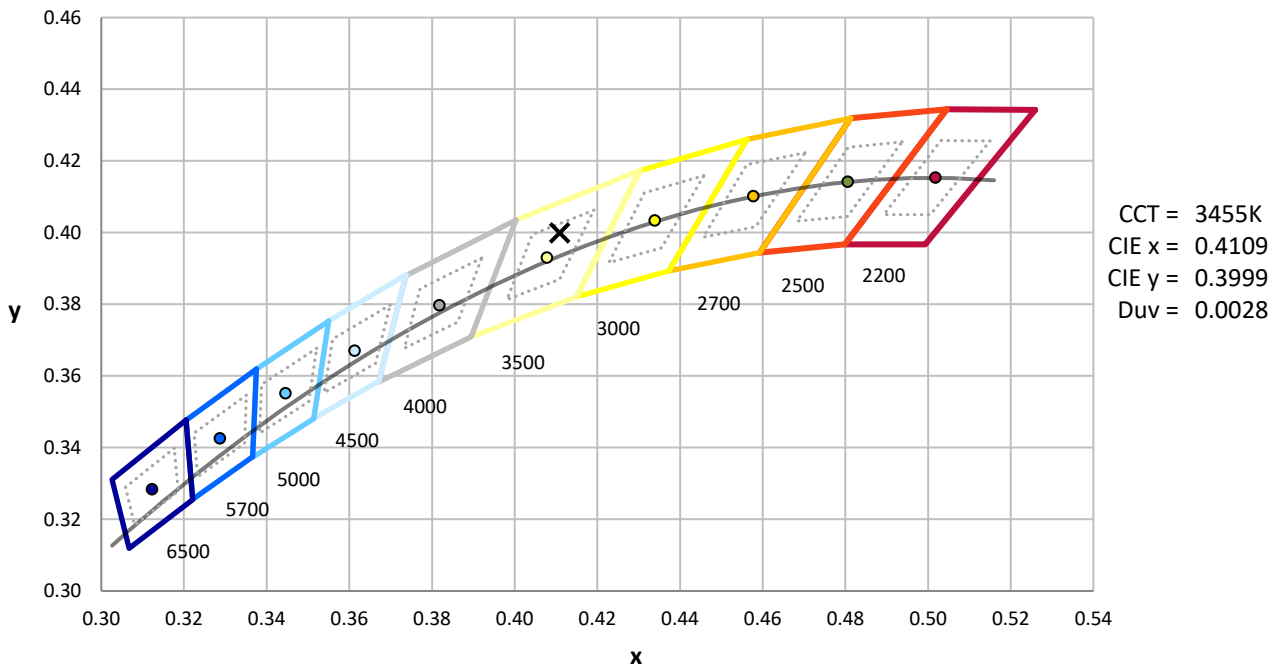
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-15

CIE 1931 Chromaticity Diagram



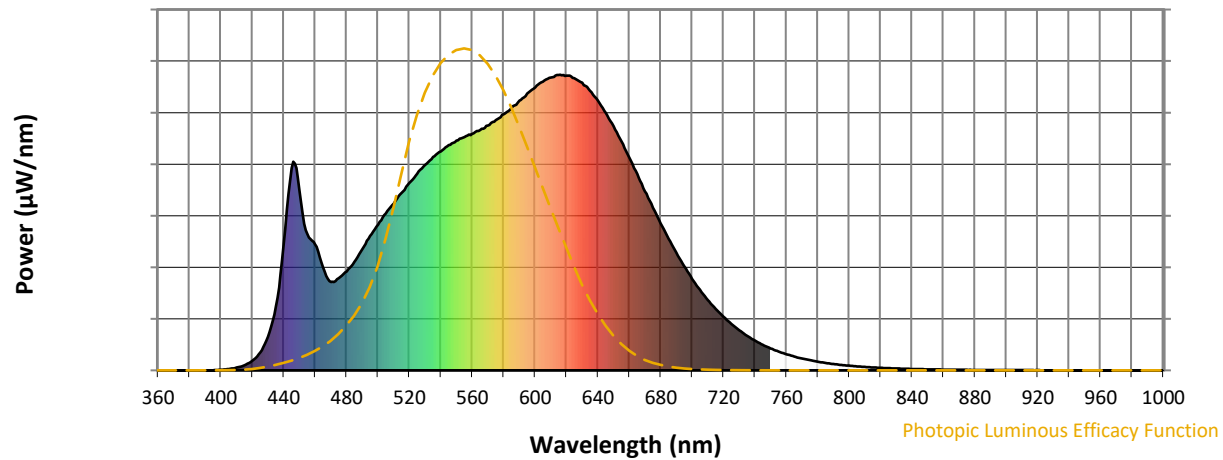
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-15

Photopic Flux vs. Wavelength

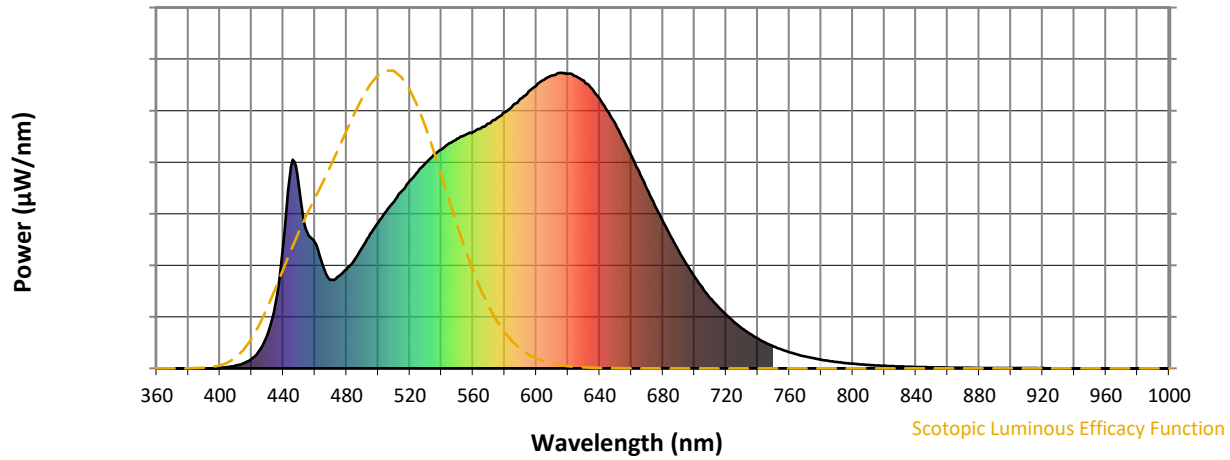


Photopic Lumens: NR

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	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			

REPORT NUMBER: SP1-2407-184-15

Scotopic Flux vs. Wavelength



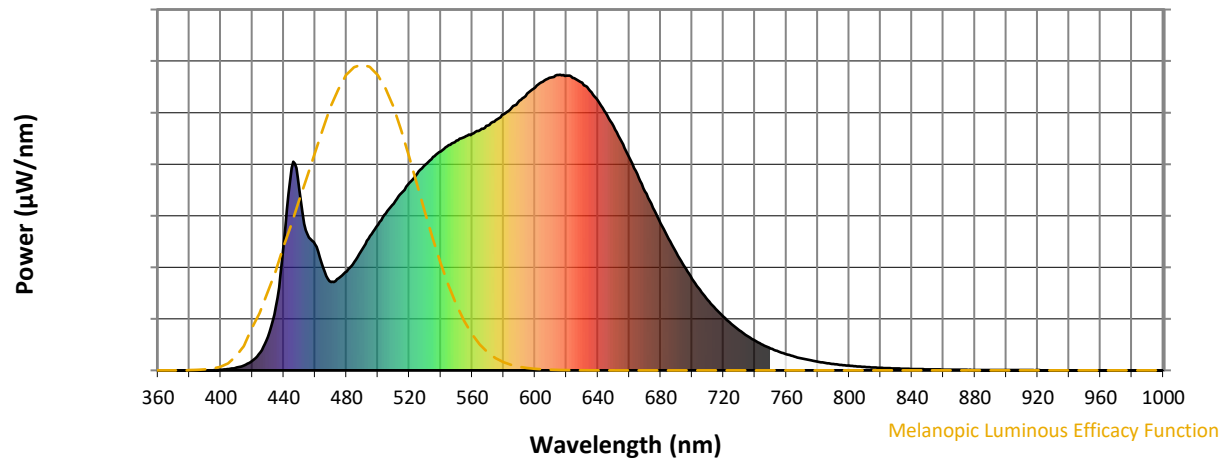
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-15

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.14

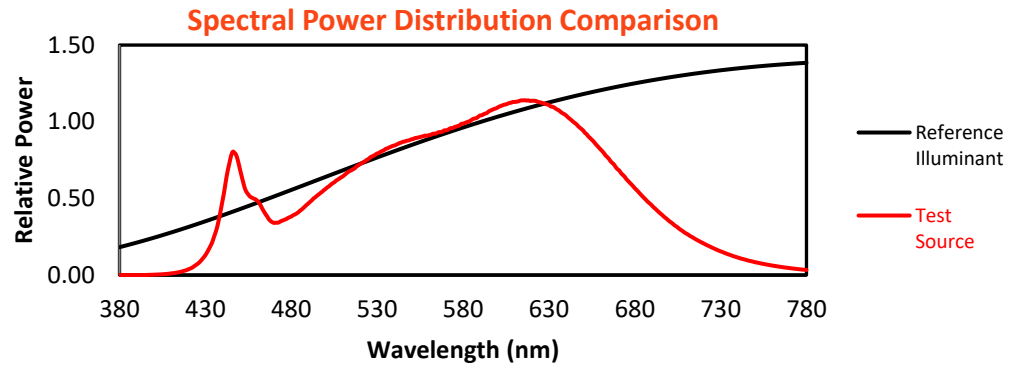
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	410	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			

REPORT NUMBER: SP1-2407-184-15

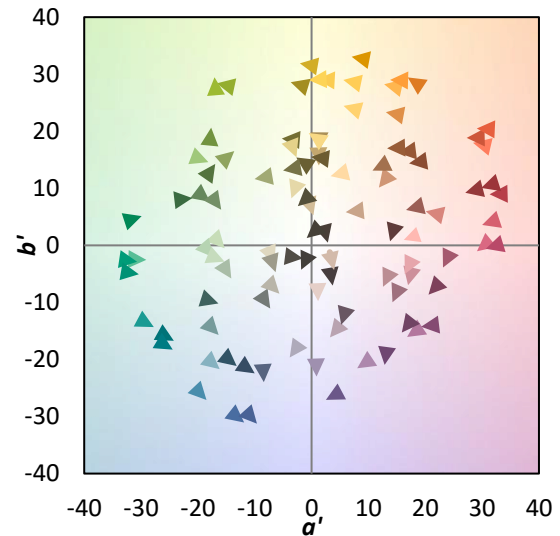
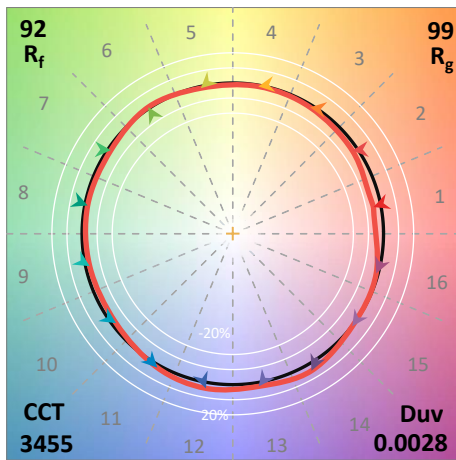
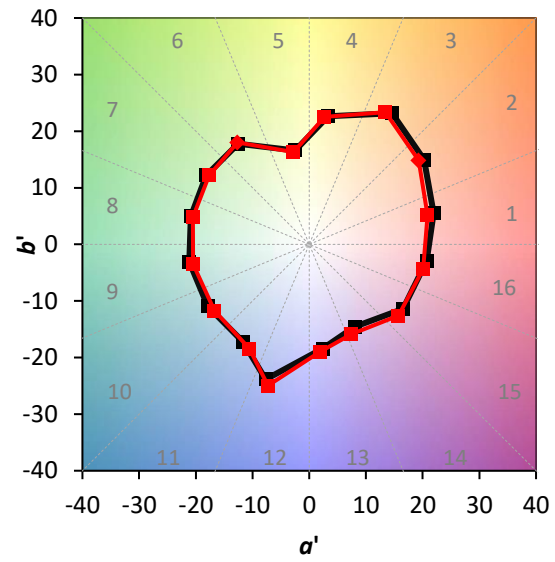
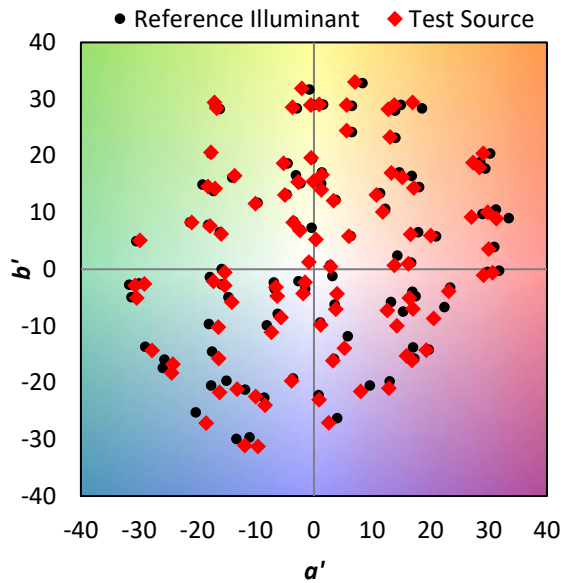
TM-30-18

Summary

$R_f = 92.3$
 $R_g = 98.5$
 $CIE R_a = 92.2$
 $R_9 = 59.8$

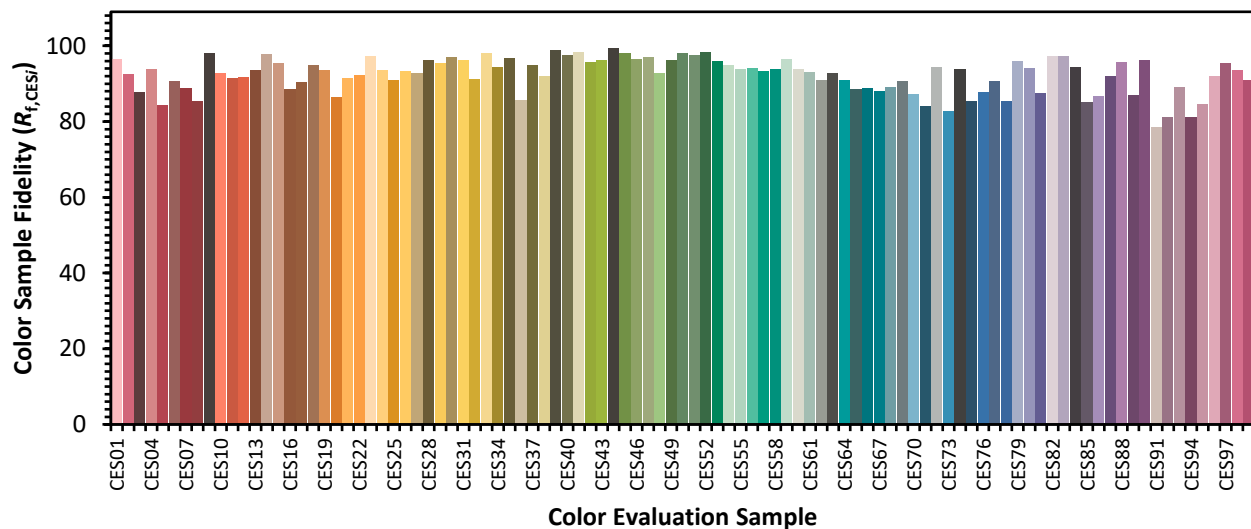


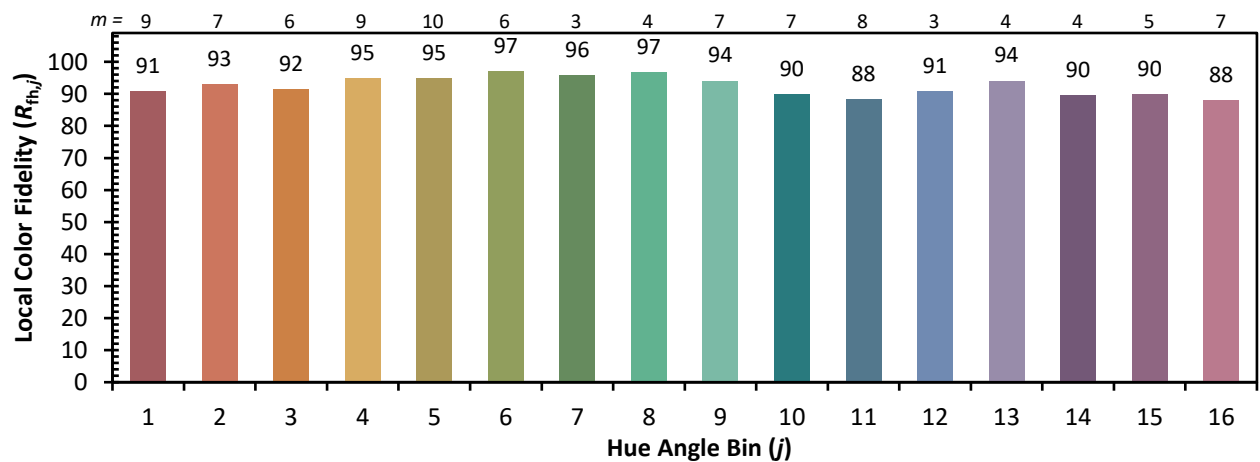
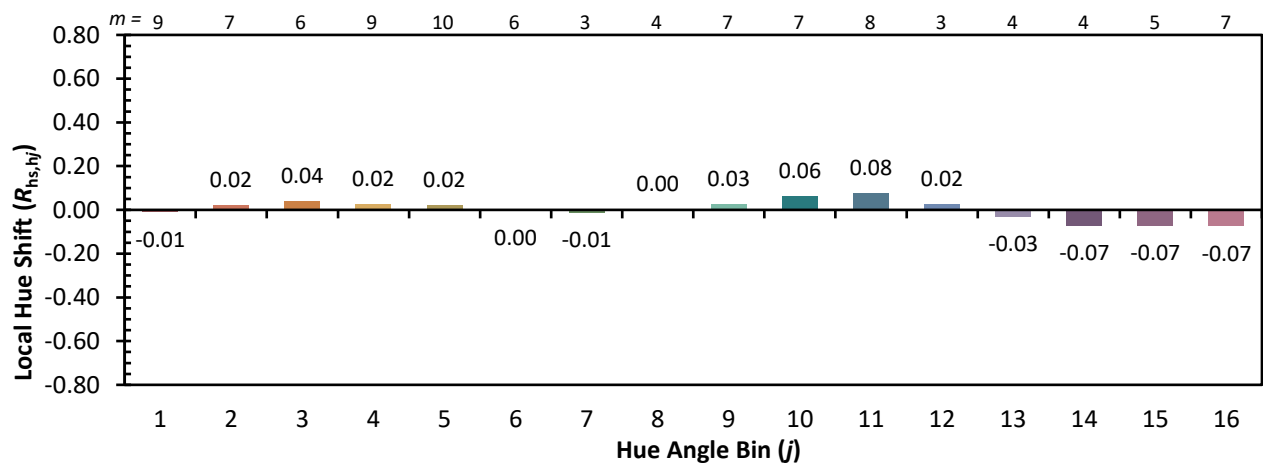
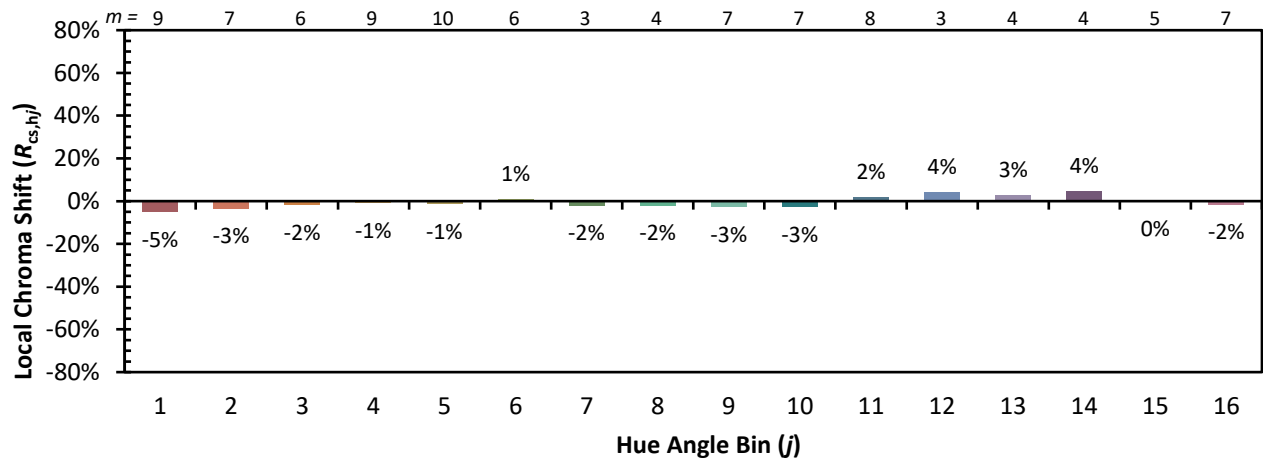
Color Vector Graphics



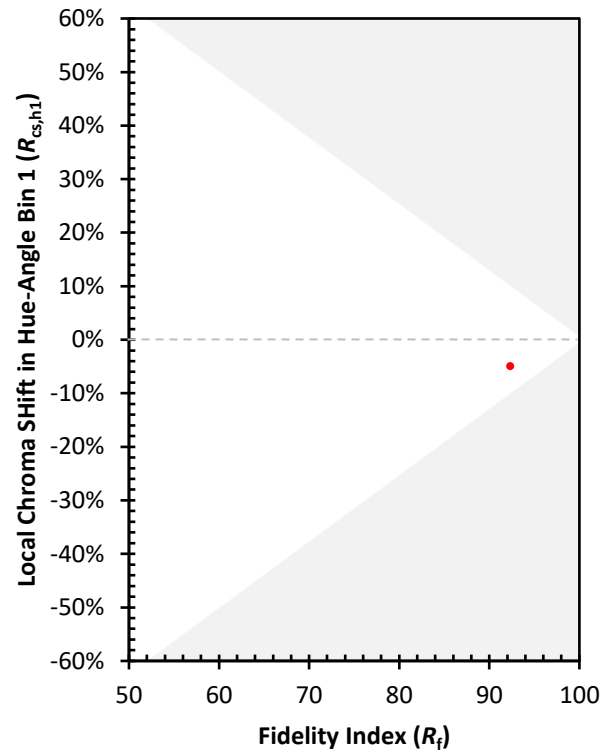
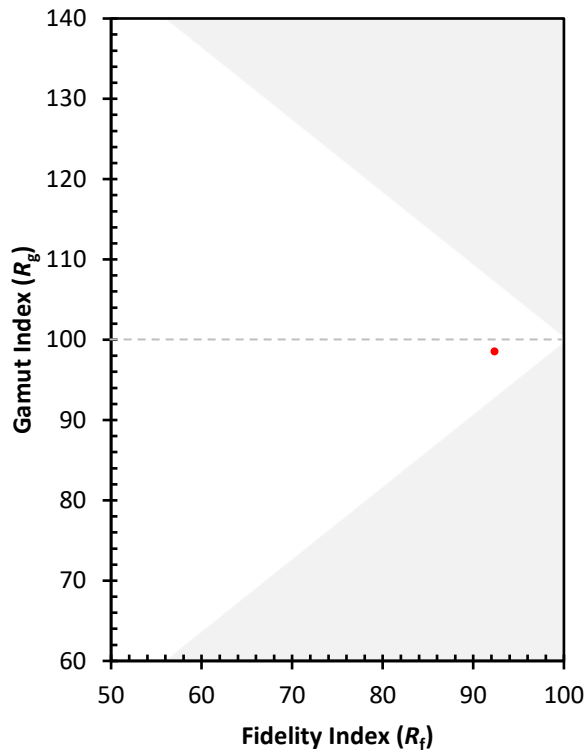
Individual Sample Fidelity Index ($R_{f,i}$)

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)