

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: P1048105

Luminaire Tested: **GALN-SA4A-930-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048105
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-930-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10046.4 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - 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

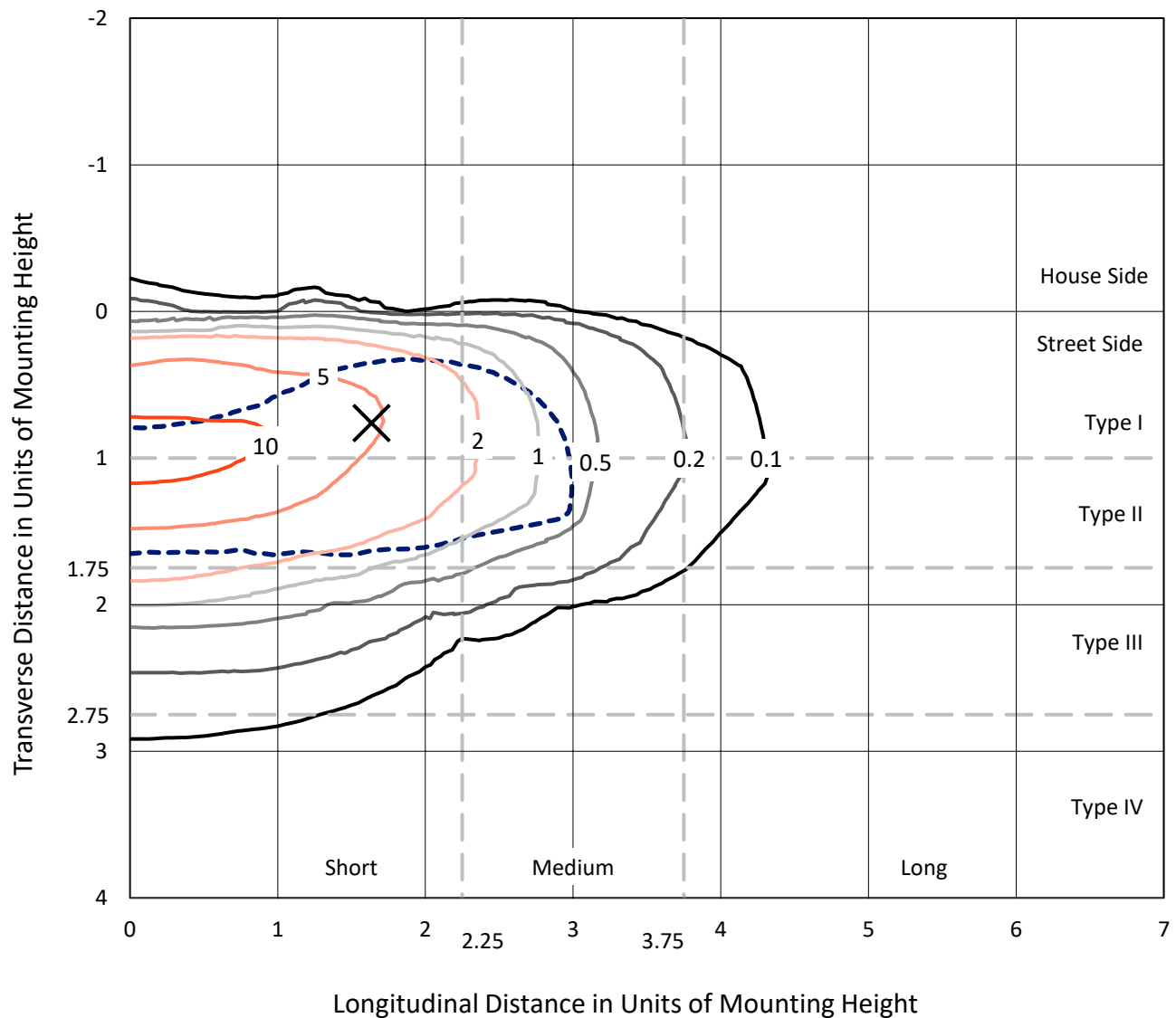


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

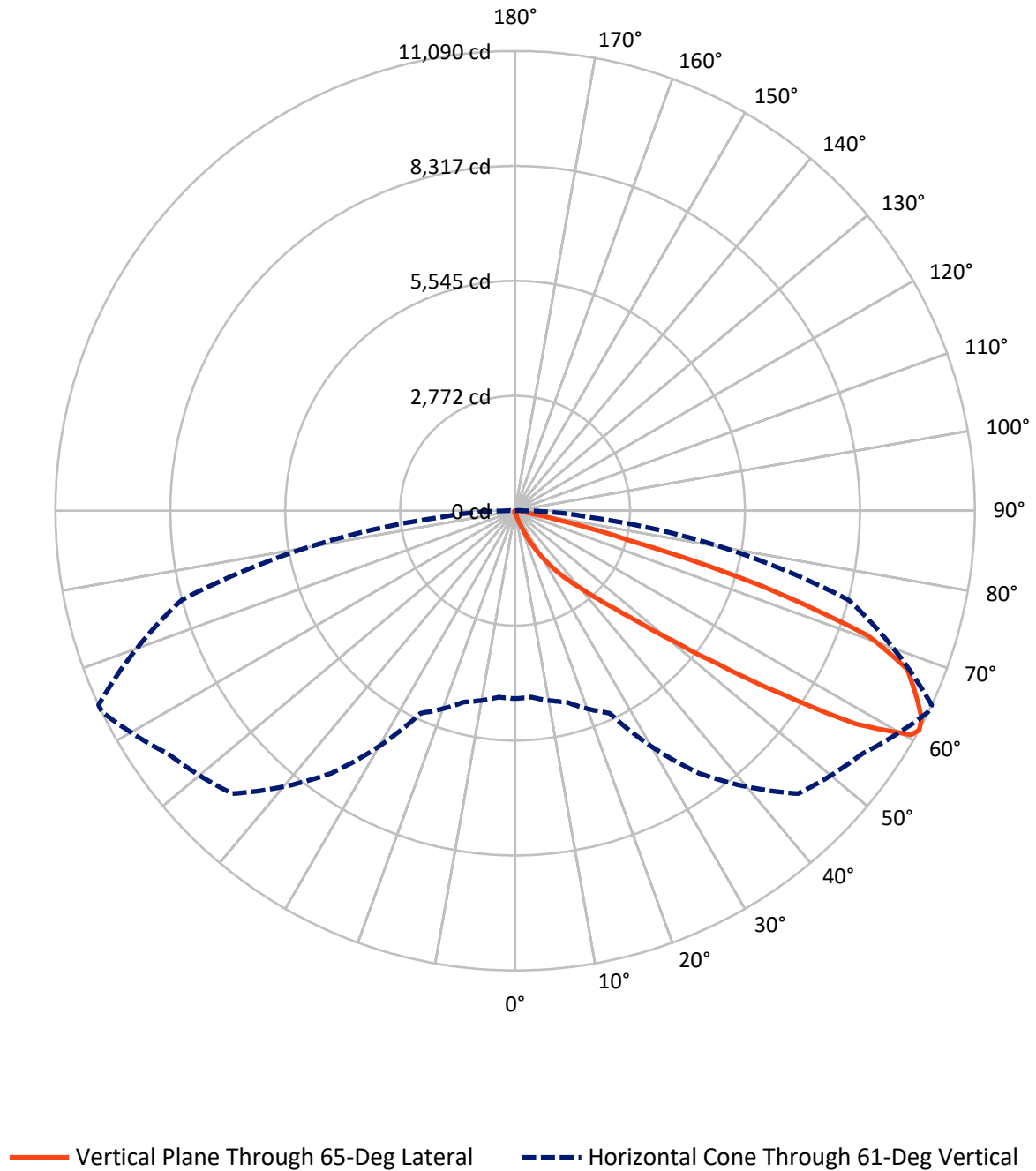


Based on 15 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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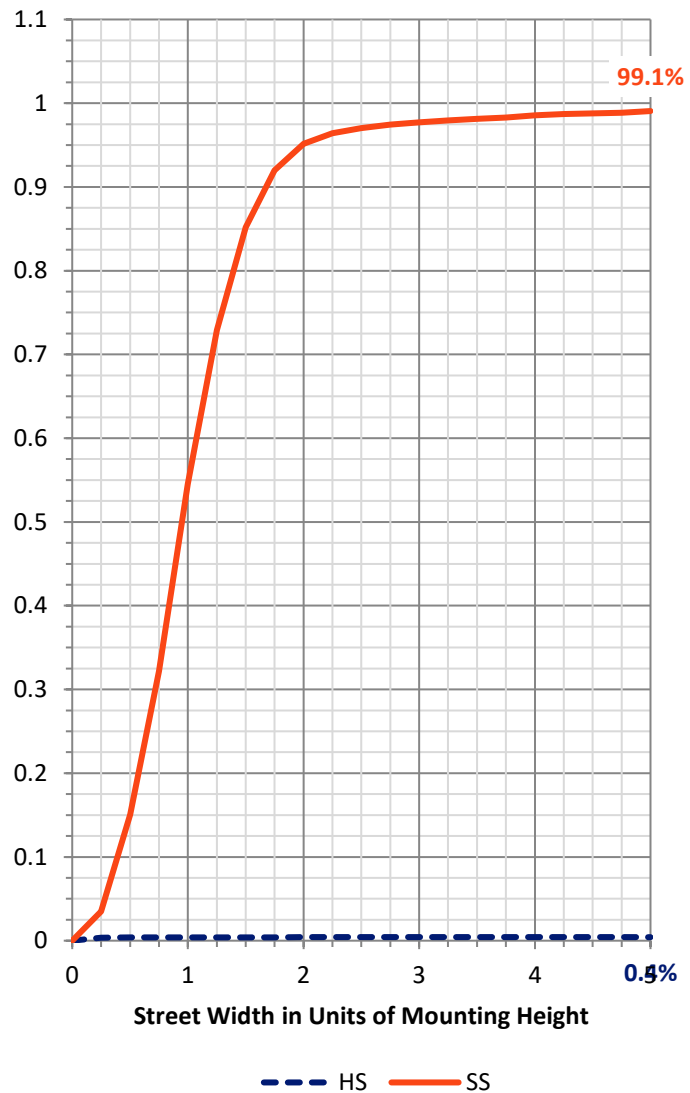
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42.9	0.0	42.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10003.5	0.0	10003.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	10046.4	0.0	10046.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.1
10°-20°	82.6	0.8
20°-30°	296.5	3.0
30°-40°	789.4	7.9
40°-50°	2073.6	20.6
50°-60°	3212.4	32.0
60°-70°	2693.6	26.8
70°-80°	792.7	7.9
80°-90°	97.8	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°	10046.4	100.0
0°-180°	10046.4	100.0



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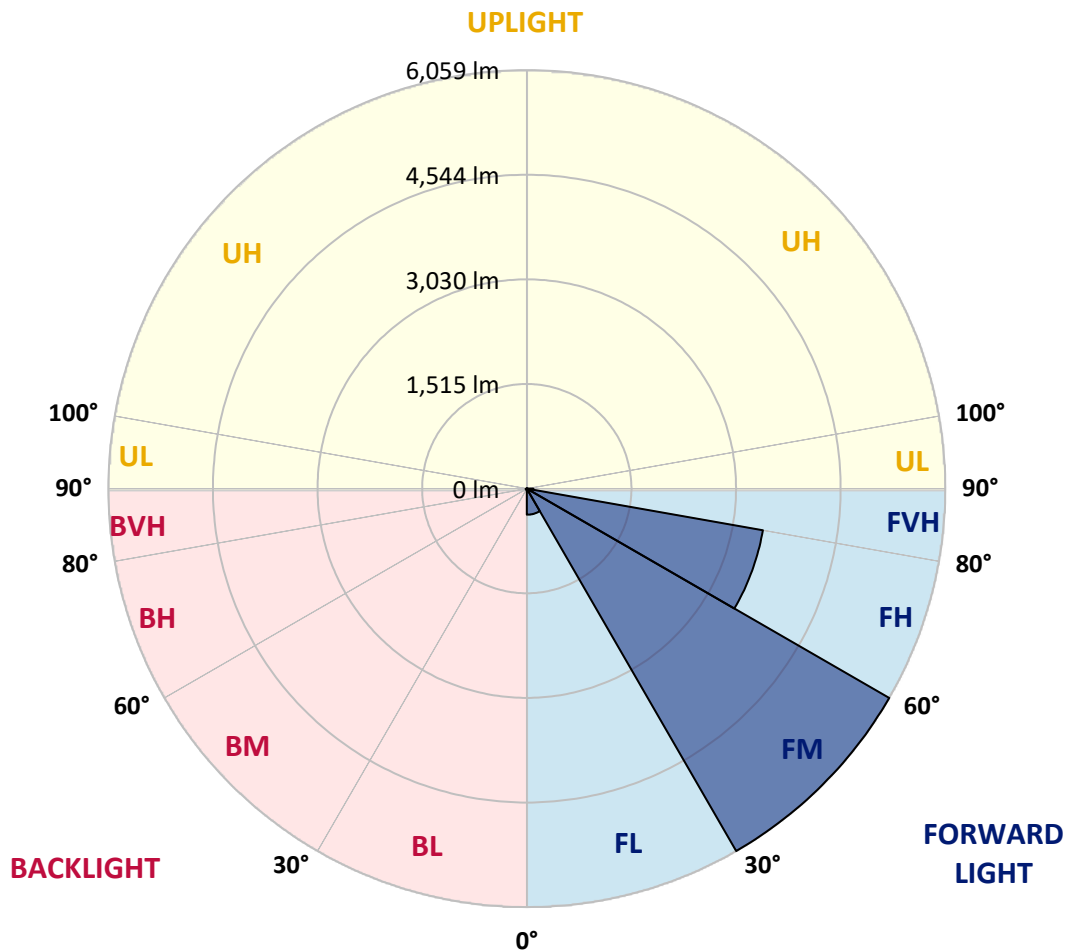
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.3	3.8			
FM	(30°-60°)	6059.1	60.3			
FH	(60°-80°)	3471.1	34.6			G2/5000
FVH	(80°-90°)	96.0	1.0			G1/100
BL	(0°-30°)	9.6	0.1	B0/110		
BM	(30°-60°)	16.3	0.2	B0/220		
BH	(60°-80°)	15.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
2.5°	74.6	75.3	73.9	71.2	69.1	69.1	68.4	66.3	66.3	64.3	62.9
5°	104.4	103.0	100.2	94.7	89.8	85.0	80.2	75.3	74.6	68.4	64.3
7.5°	170.7	172.1	163.1	145.8	131.3	112.6	95.4	85.0	83.6	73.3	65.0
10°	374.6	364.2	343.5	276.4	227.4	171.4	127.2	98.8	97.4	78.8	66.3
12.5°	682.8	674.5	636.5	567.4	440.9	306.8	185.9	122.3	118.2	83.6	67.0
15°	984.1	971.0	950.2	880.4	732.5	550.1	304.1	167.2	156.2	90.5	66.3
17.5°	1176.2	1178.3	1159.6	1129.9	1034.6	814.1	525.2	249.5	228.1	103.0	65.0
20°	1344.2	1339.3	1349.7	1333.8	1266.8	1106.4	764.3	395.3	358.7	123.0	65.7
22.5°	1537.7	1549.4	1557.0	1553.6	1479.6	1342.8	1035.9	591.6	545.3	159.6	67.7
25°	1796.8	1795.4	1796.1	1787.1	1715.3	1563.2	1308.2	835.5	788.5	219.1	72.6
27.5°	2068.4	2076.7	2080.2	2047.7	1953.7	1804.4	1560.5	1102.3	1047.0	314.4	78.8
30°	2439.5	2432.6	2416.7	2350.4	2236.3	2051.1	1809.3	1382.2	1324.1	447.8	88.5
32.5°	2939.9	2932.3	2852.1	2705.6	2534.9	2308.2	2059.4	1662.7	1592.3	614.4	101.6
35°	3764.3	3776.1	3579.1	3199.7	2893.6	2617.1	2336.6	1941.9	1879.7	819.6	119.6
37.5°	5026.9	4962.7	4695.2	4024.9	3365.6	3002.8	2601.2	2223.9	2170.0	1072.6	143.1
40°	6253.6	6190.0	6112.6	5477.5	4185.9	3427.8	2971.7	2554.9	2485.1	1358.0	177.6
42.5°	7543.2	7507.9	7504.5	7025.5	5682.8	4096.0	3417.4	2942.6	2883.2	1671.0	234.3
45°	8456.8	8421.5	8495.5	8579.1	7721.5	5528.0	4193.5	3446.4	3360.0	2051.1	324.8
47.5°	8579.8	8581.2	8778.8	9040.7	9236.3	7742.9	5227.4	4114.0	4009.0	2595.0	476.8
50°	8170.7	8186.6	8501.0	8969.6	9496.2	9601.2	7050.4	5082.9	4927.4	3239.8	692.5
52.5°	7391.8	7409.8	7847.9	8618.5	9257.1	10047.7	9196.9	6350.4	6171.4	4044.2	996.5
55°	6690.4	6701.4	7203.8	8177.6	8968.9	9805.1	10471.3	8042.8	7807.9	5033.8	1296.5
57.5°	5995.8	5970.3	6297.1	7411.9	8919.8	9507.2	10659.3	9971.6	9712.5	6115.4	1530.1
60°	5067.0	5024.2	5286.8	5995.8	8274.3	9702.8	10307.5	11038.7	10979.9	7621.3	1710.4
61°	4532.8	4514.8	4778.8	5387.0	7731.1	9653.0	10223.2	11083.6	11089.8	8333.8	1791.3
62.5°	3237.0	3288.2	3691.8	4482.4	6475.4	9330.3	10234.2	10944.7	11006.2	9280.6	2000.7
65°	1438.8	1521.1	1834.8	2478.2	3765.7	7761.6	10136.1	10639.9	10609.5	9540.4	2722.2
67.5°	853.5	865.9	1022.1	1404.3	1994.5	4174.8	8944.7	10237.0	10196.2	8305.4	3387.0
70°	672.4	678.6	728.4	881.1	1157.6	1599.2	5105.0	8856.9	9034.5	6734.6	3315.8
72.5°	637.9	636.5	643.4	670.4	729.1	793.4	1976.5	5887.3	6248.8	4850.0	2780.2
75°	629.6	626.8	619.9	609.5	528.0	467.2	612.3	2604.0	2813.4	3313.7	2093.3
77.5°	610.9	611.6	613.0	584.7	452.7	330.3	296.5	835.5	1027.6	2103.0	1487.9
80°	413.3	419.5	429.9	418.8	407.0	239.1	209.4	297.2	301.3	1180.4	982.7
82.5°	209.4	209.4	204.6	182.4	157.6	155.5	166.6	215.6	218.4	597.1	462.3
85°	126.5	133.4	136.1	123.7	113.3	104.4	127.2	171.4	177.6	231.5	107.8
87.5°	28.3	29.0	31.8	42.2	61.5	83.6	118.2	156.9	159.6	148.6	13.1
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
2.5°	62.2	60.8	60.1	58.1	56.0	53.9	52.5	51.8	52.5	53.2	53.2
5°	61.5	59.4	56.0	52.5	49.8	47.0	44.2	43.5	43.5	44.2	44.2
7.5°	61.5	58.1	53.2	49.1	44.9	40.8	38.7	37.3	38.0	38.0	38.0
10°	61.5	57.4	51.1	44.9	40.1	35.2	31.8	30.4	30.4	30.4	30.4
12.5°	60.8	56.7	49.1	41.5	34.6	29.0	24.9	22.8	23.5	23.5	23.5
15°	59.4	54.6	46.3	35.2	27.6	22.1	18.0	15.9	16.6	18.0	18.7
17.5°	57.4	52.5	41.5	29.7	22.1	16.6	12.4	11.1	11.7	13.8	13.8
20°	56.7	50.4	36.6	24.2	16.6	11.7	8.3	6.9	7.6	10.4	11.1
22.5°	56.7	49.1	33.2	20.0	12.4	7.6	4.8	2.8	2.8	4.8	4.8
25°	57.4	48.4	30.4	16.6	9.0	5.5	2.8	1.4	2.8	7.6	9.0
27.5°	58.7	47.7	29.0	13.8	6.9	4.8	2.1	4.8	8.3	8.3	8.3
30°	60.1	46.3	27.0	11.7	6.2	3.5	3.5	6.9	6.9	8.3	9.0
32.5°	62.2	45.6	25.6	10.4	4.8	2.8	4.8	4.1	4.1	4.8	5.5
35°	66.3	46.3	24.2	10.4	4.8	3.5	4.1	2.1	1.4	1.4	1.4
37.5°	71.9	47.0	22.1	9.0	4.1	4.1	2.1	0.0	0.0	0.0	0.0
40°	80.9	49.1	20.7	8.3	3.5	3.5	0.7	0.0	0.0	0.0	0.0
42.5°	96.1	53.2	20.0	7.6	3.5	2.8	0.0	0.0	0.0	0.0	0.0
45°	126.5	62.9	18.7	6.9	3.5	1.4	0.0	0.0	0.0	0.0	0.0
47.5°	181.8	85.7	18.0	5.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0
50°	265.4	116.1	17.3	4.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	338.6	122.3	11.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	346.9	84.3	9.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	276.4	54.6	7.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	209.4	41.5	6.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	201.1	37.3	6.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	221.8	32.5	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	360.7	27.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	626.8	23.5	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	792.0	22.1	4.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	690.4	20.0	4.1	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	415.3	17.3	4.1	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	217.7	13.1	4.1	3.5	2.1	0.7	0.0	0.0	0.0	0.0	0.0
80°	105.7	11.7	4.8	3.5	2.8	1.4	0.0	0.0	0.0	0.0	0.0
82.5°	41.5	9.7	5.5	4.8	3.5	2.1	0.7	0.0	0.0	0.0	0.0
85°	18.7	8.3	6.2	5.5	4.8	2.8	0.7	0.0	0.0	0.0	0.0
87.5°	9.7	7.6	6.9	6.2	4.8	3.5	1.4	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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

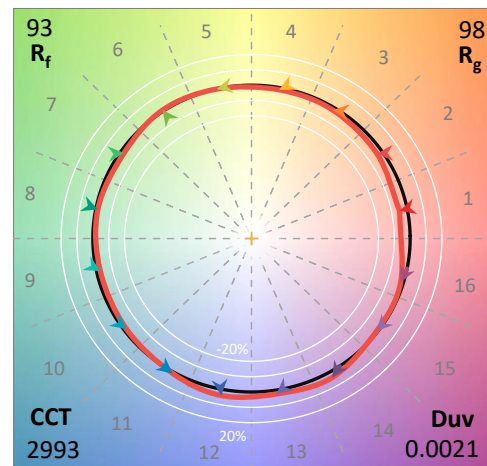
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

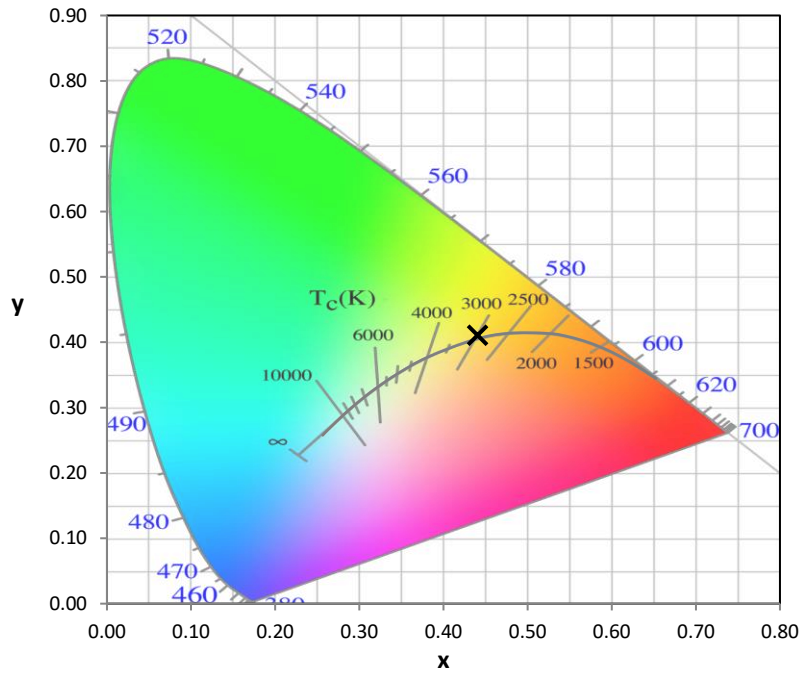
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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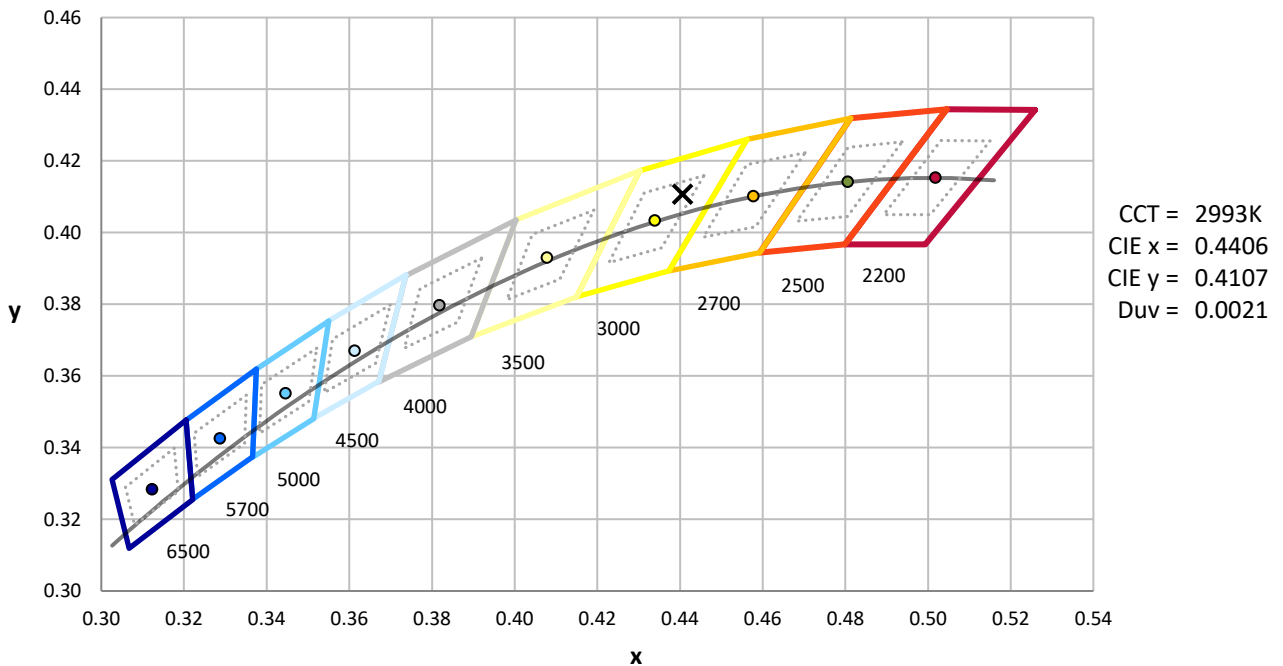
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



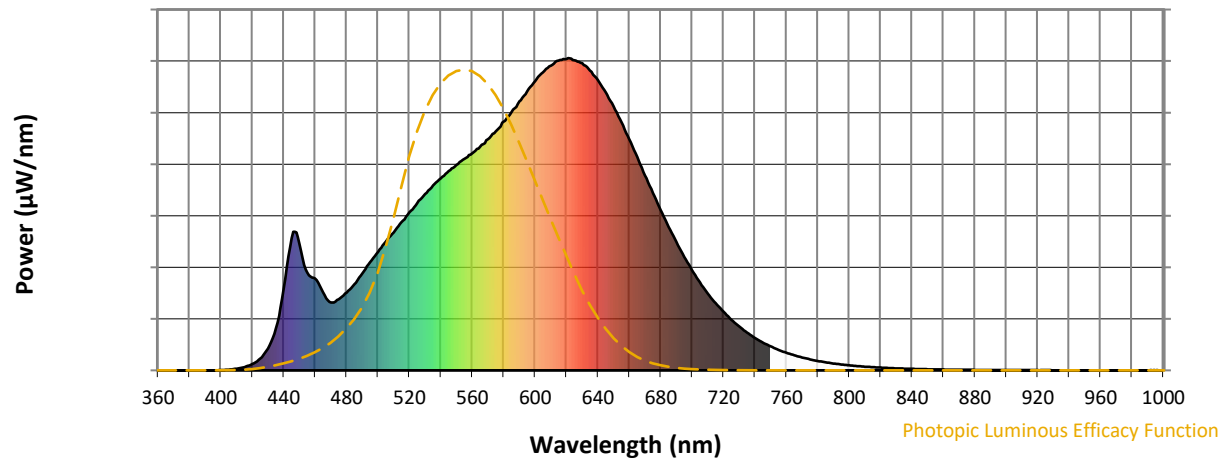
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

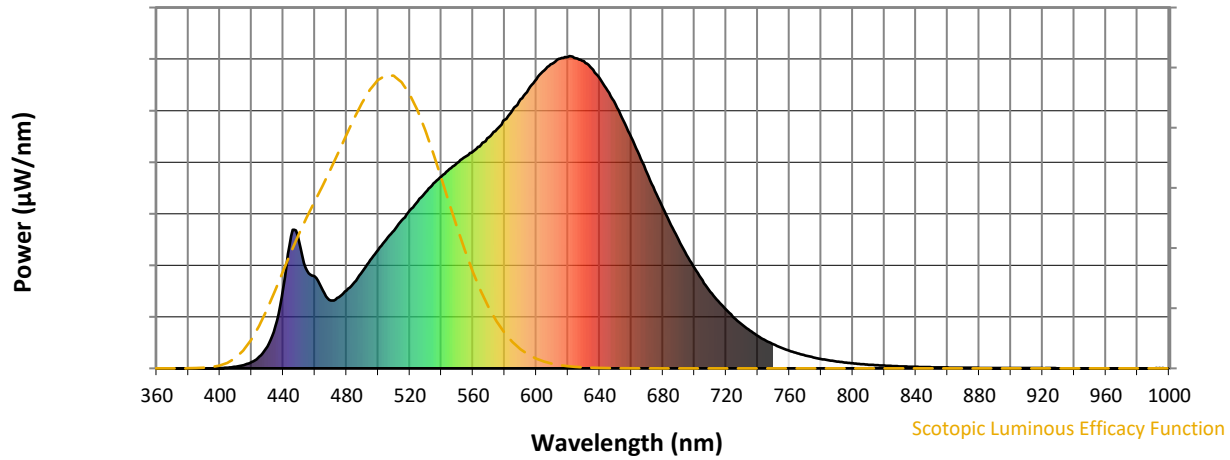


Photopic Lumens: NR

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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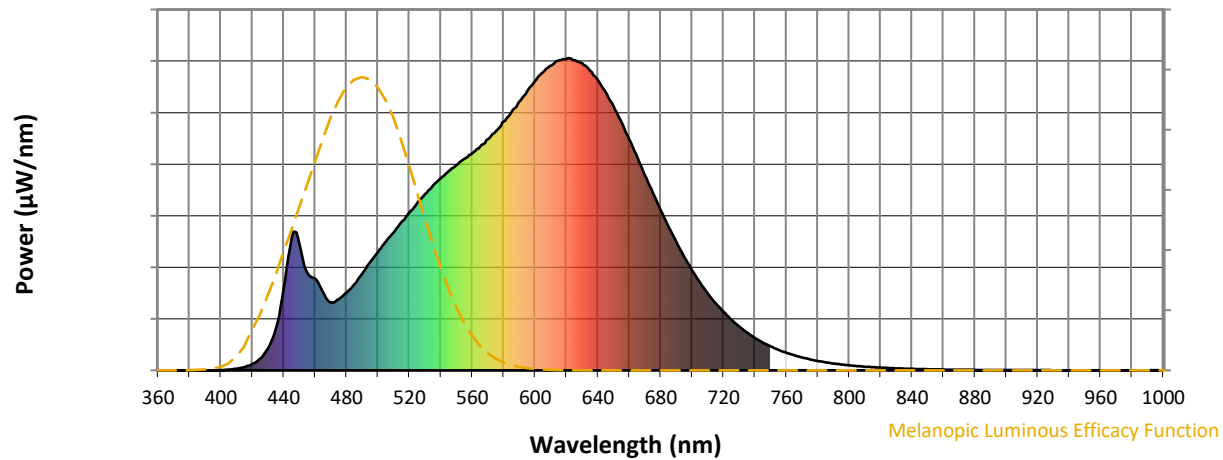
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

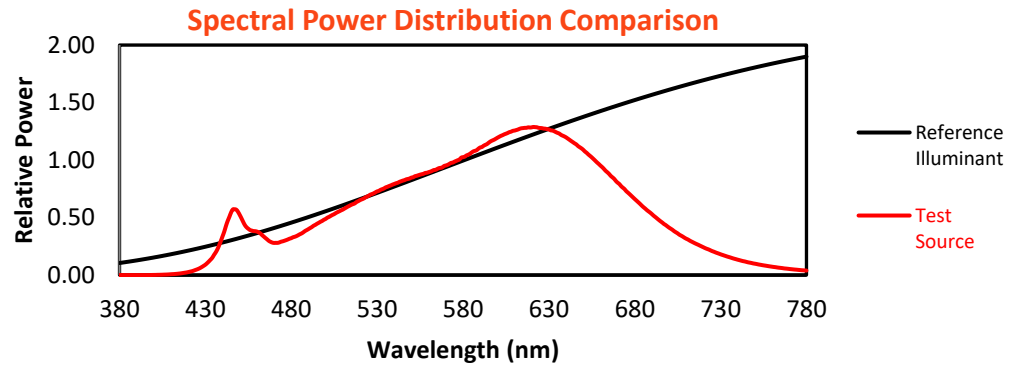
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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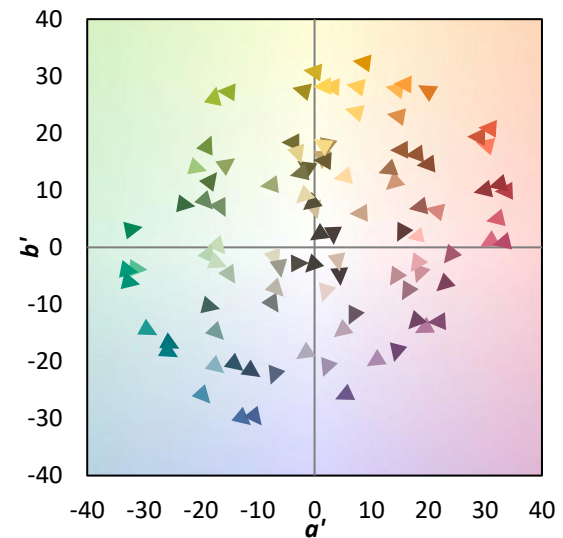
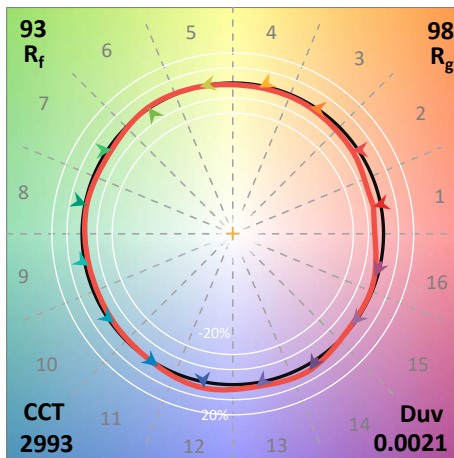
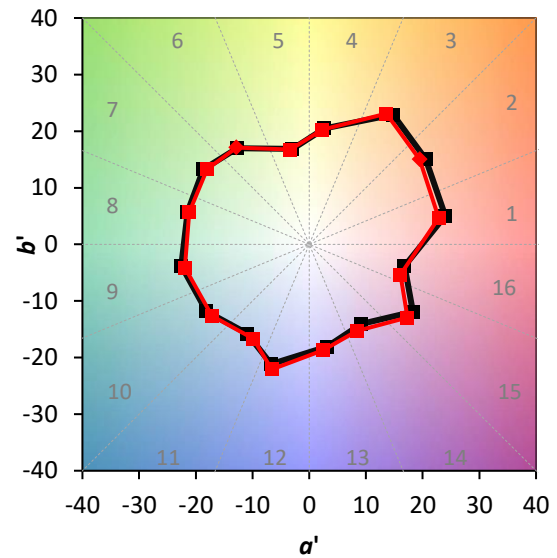
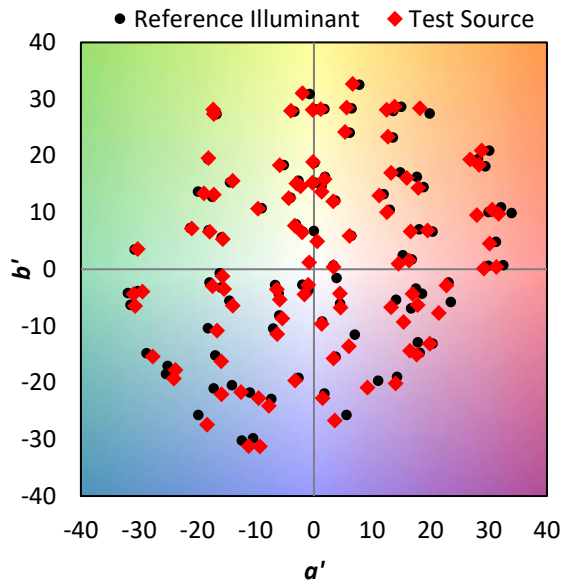
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

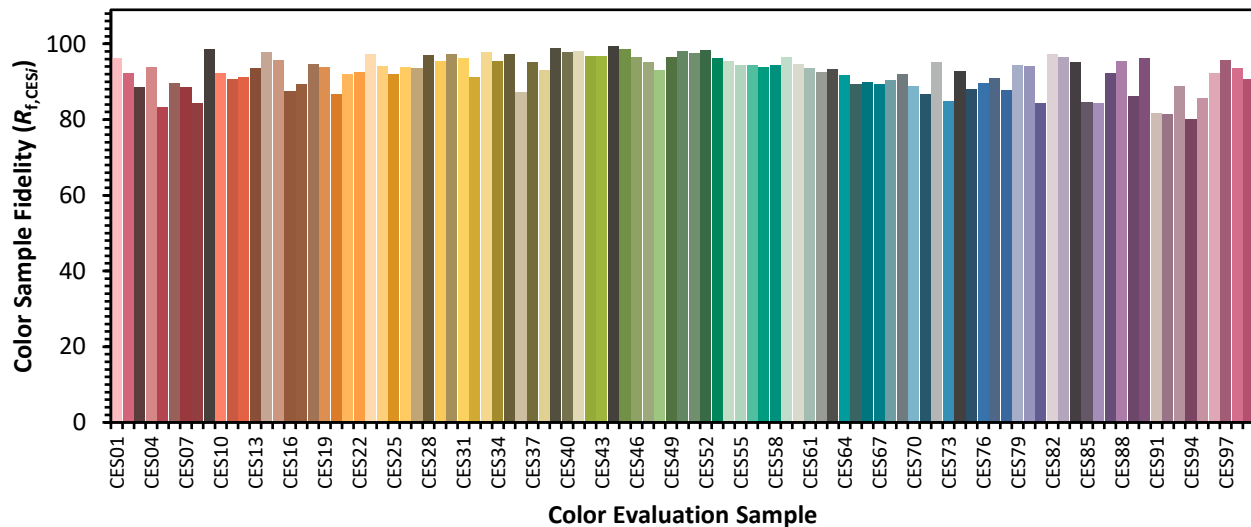


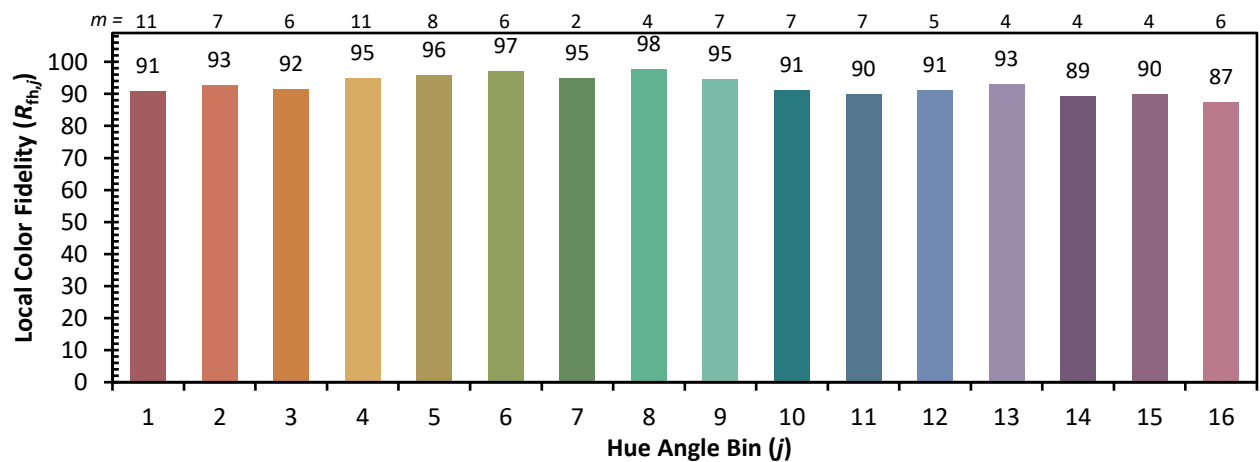
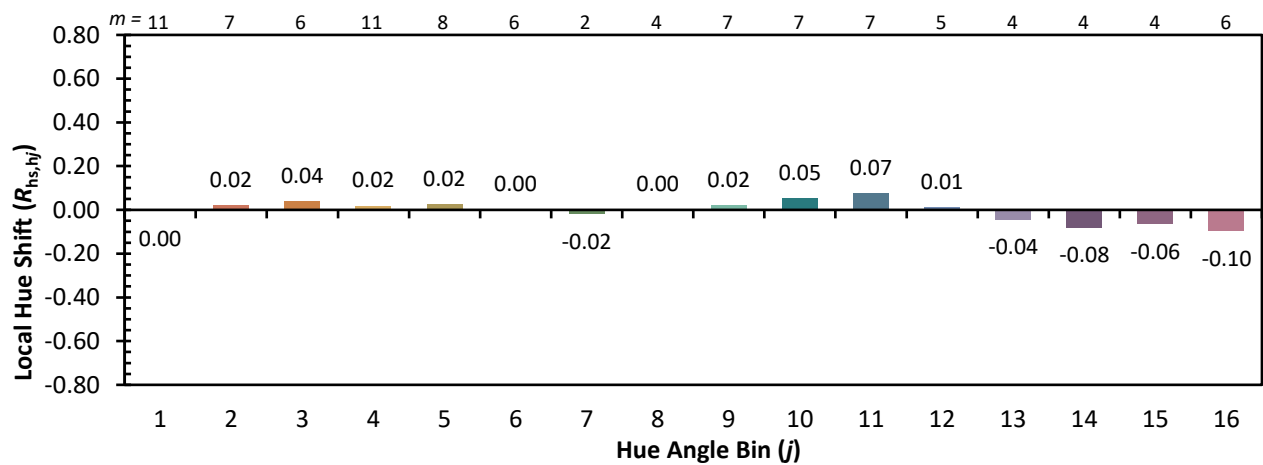
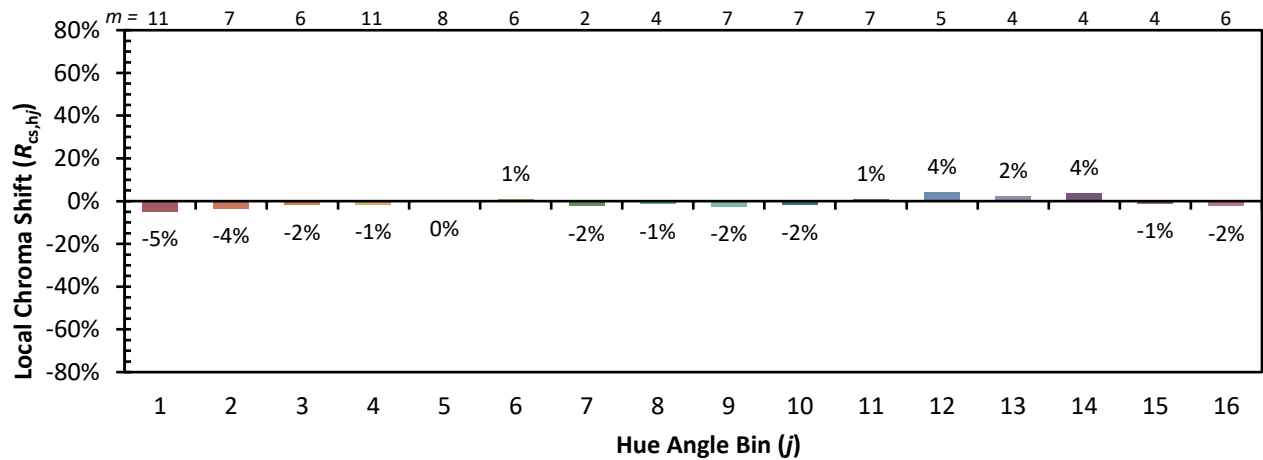
Color Vector Graphics



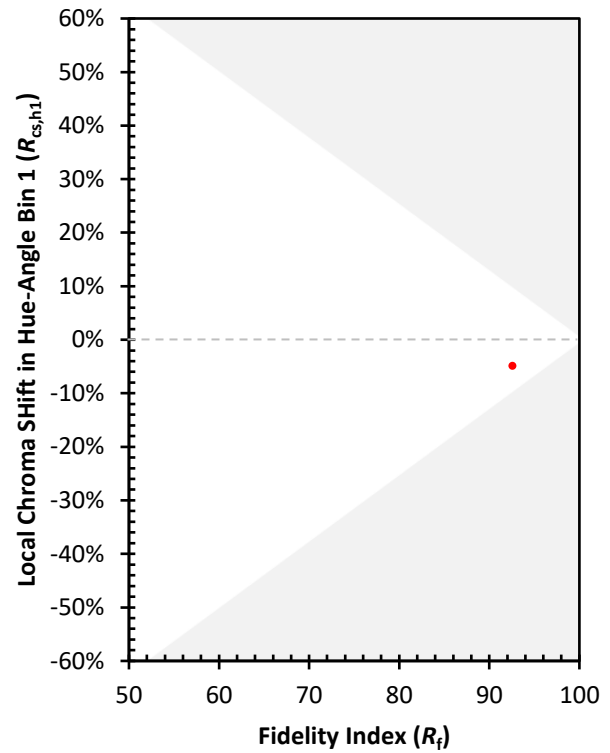
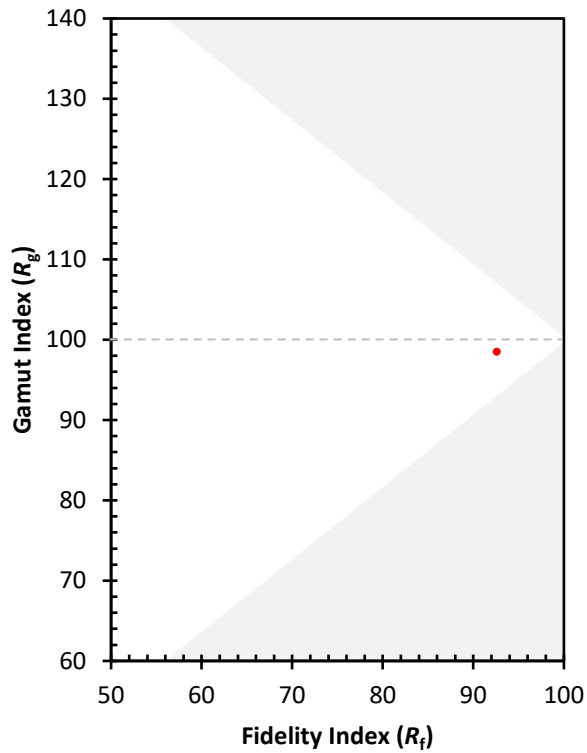
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)