

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: P1048722

Luminaire Tested: **GALN-SA5B-930-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048722
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-930-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
90CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15600.9 lumens
Efficiency: N/A
Efficacy: 87.3 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

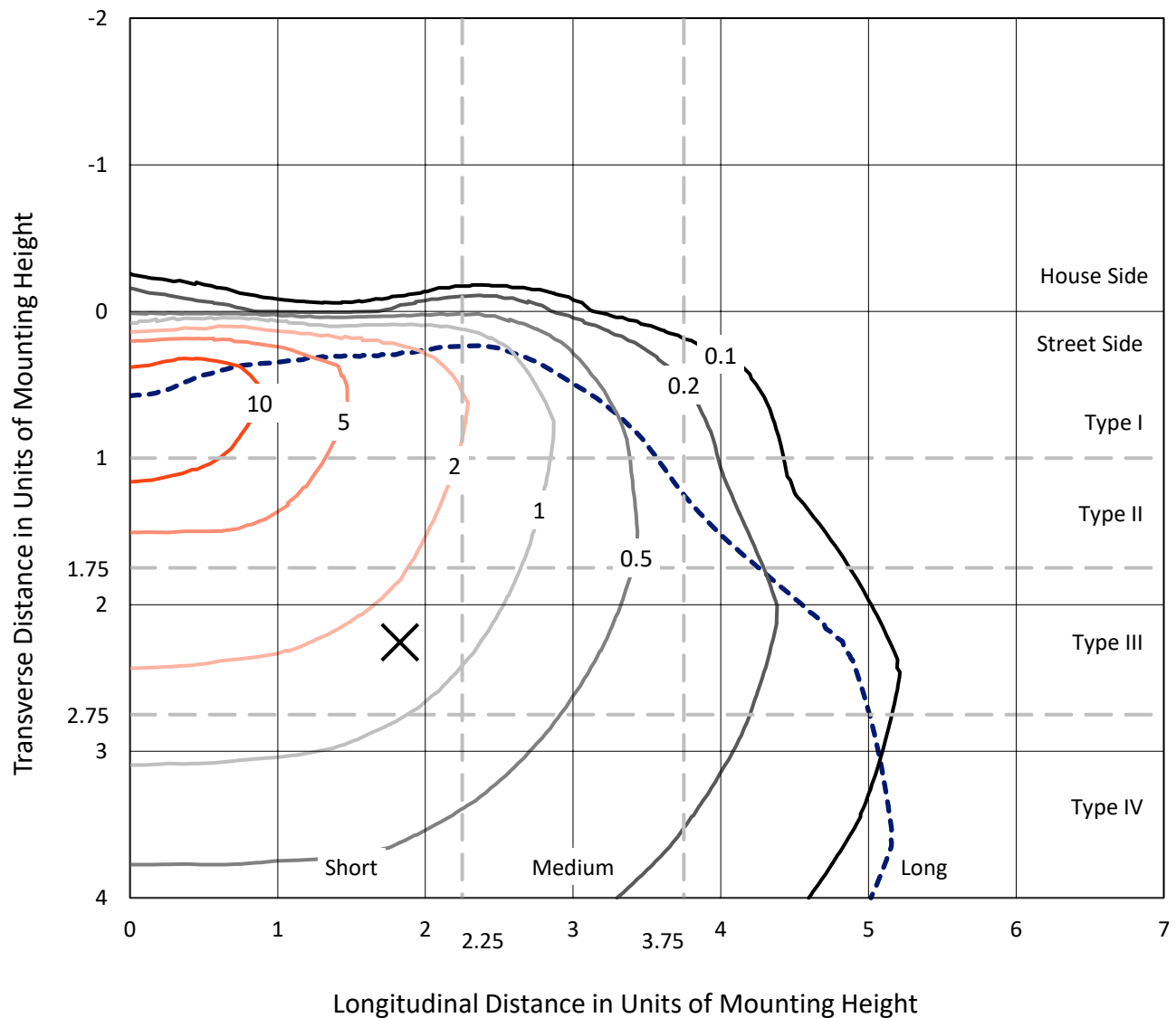


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

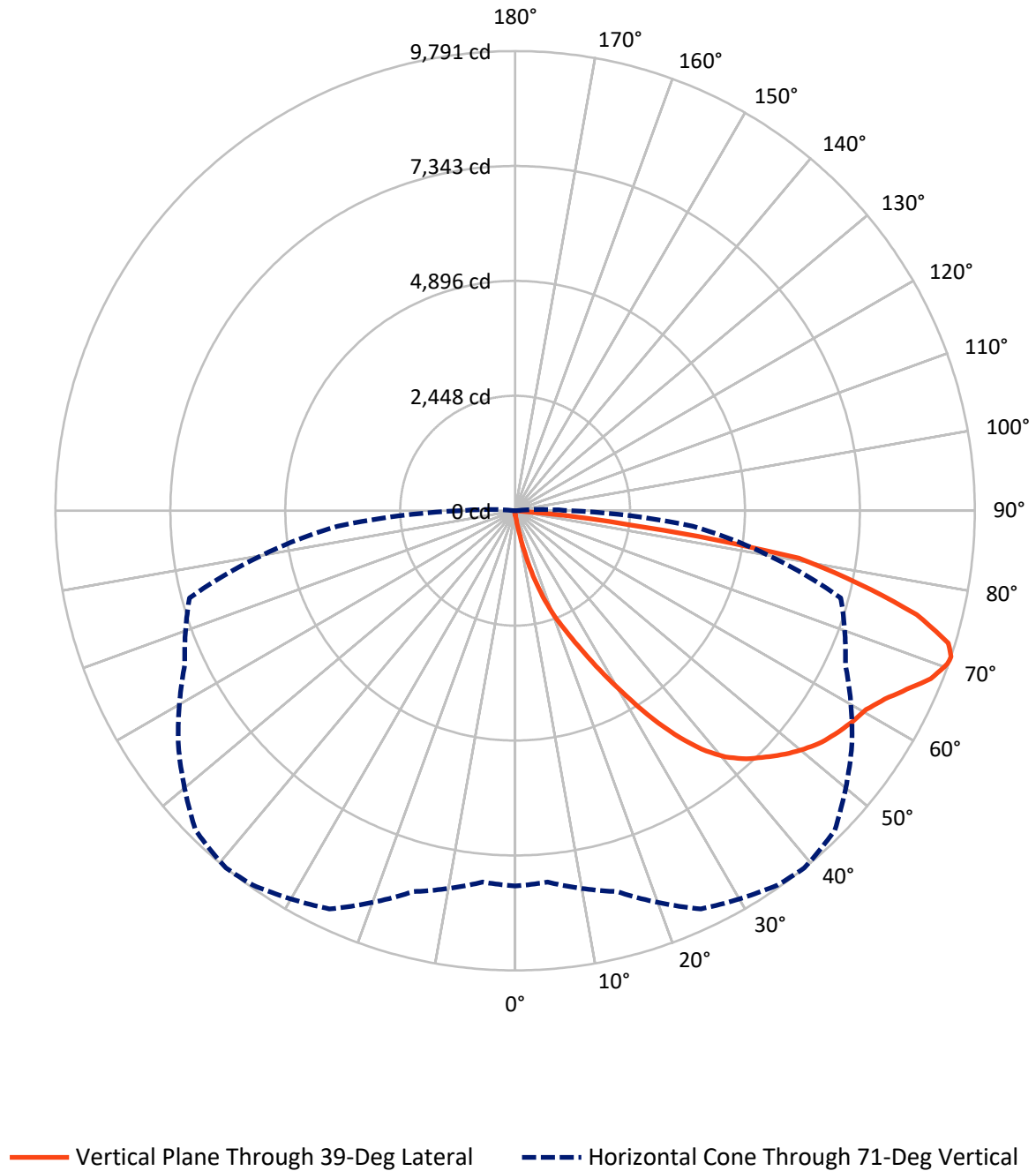


Based on 15 foot mounting height. Maximum calculated value = 16 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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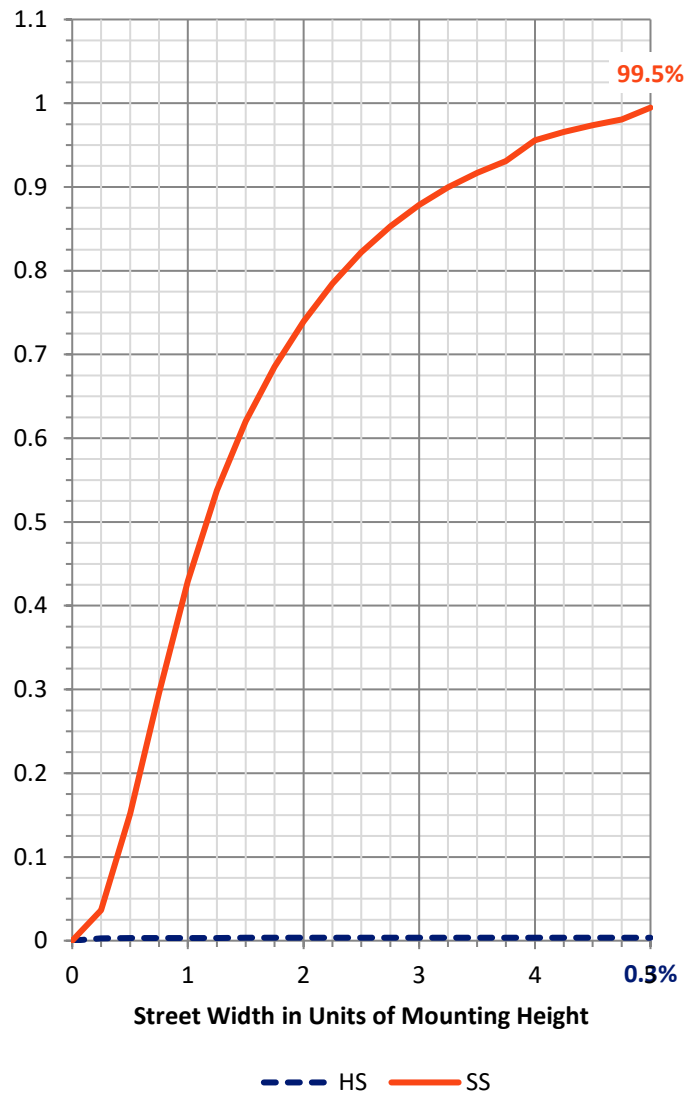
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55.4	0.0	55.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	15545.4	0.0	15545.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	15600.9	0.0	15600.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.1
10°-20°	166.7	1.1
20°-30°	593.8	3.8
30°-40°	1431.1	9.2
40°-50°	2395.1	15.4
50°-60°	3076.2	19.7
60°-70°	3893.0	25.0
70°-80°	3470.8	22.2
80°-90°	561.0	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°	15600.9	100.0
0°-180°	15600.9	100.0



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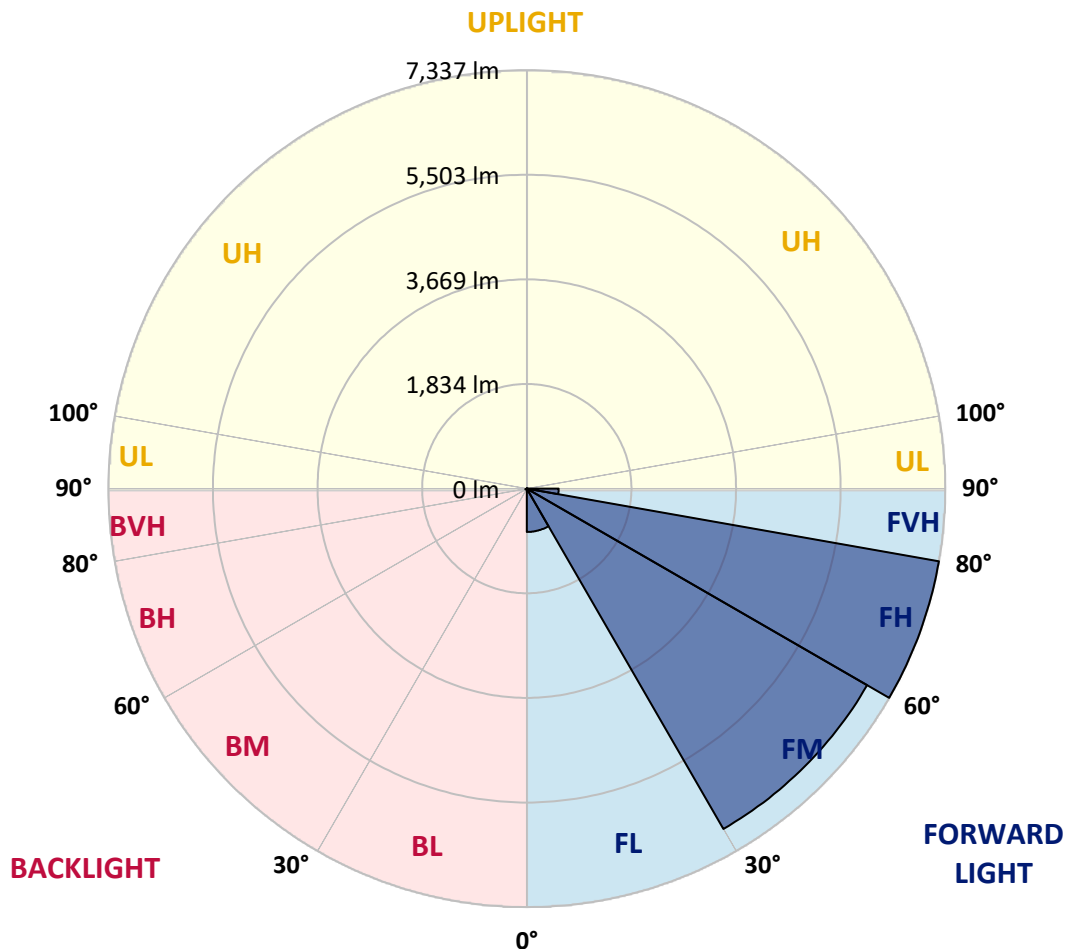
CATALOG NUMBER: GALN-SA5B-930-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	760.2	4.9			
FM	(30°-60°)	6889.7	44.2			
FH	(60°-80°)	7337.1	47.0			G3/7500
FVH	(80°-90°)	558.5	3.6			G4/750
BL	(0°-30°)	13.4	0.1	B0/110		
BM	(30°-60°)	12.8	0.1	B0/220		
BH	(60°-80°)	26.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2.5°	98.2	98.2	98.2	95.0	95.0	94.0	92.9	92.9	90.8	89.8	87.7
5°	148.9	145.7	138.3	134.1	125.7	120.4	115.1	107.7	100.3	95.0	88.7
7.5°	336.9	344.3	320.0	274.6	228.1	208.1	174.3	140.5	116.2	100.3	89.8
10°	858.6	854.4	772.0	681.2	525.9	463.6	363.3	229.2	150.0	109.8	90.8
12.5°	1460.6	1456.4	1359.2	1235.6	1030.7	900.8	710.8	427.7	215.4	124.6	90.8
15°	1966.5	1949.6	1918.9	1796.4	1556.7	1447.9	1196.6	756.2	348.5	150.0	92.9
17.5°	2301.2	2286.4	2257.9	2213.6	2061.5	1932.7	1730.9	1188.1	564.0	194.3	97.2
20°	2608.6	2598.0	2574.8	2566.3	2468.1	2399.4	2232.6	1684.5	878.7	264.0	103.5
22.5°	3031.0	3008.8	3018.3	2967.6	2871.5	2789.1	2686.7	2204.1	1263.1	380.2	115.1
25°	3548.5	3537.9	3511.5	3475.6	3342.5	3270.7	3113.4	2694.1	1692.9	532.3	127.8
27.5°	4173.7	4162.1	4155.7	4073.4	3920.2	3842.1	3622.4	3156.7	2176.6	745.6	144.7
30°	4893.9	4899.2	4858.0	4752.4	4574.0	4464.1	4238.1	3641.4	2671.9	995.9	162.6
32.5°	5639.6	5629.0	5565.6	5441.0	5281.5	5179.1	4891.8	4172.6	3191.5	1326.5	183.8
35°	6443.2	6423.2	6256.3	6113.7	5977.5	5848.7	5586.7	4789.4	3711.1	1697.1	212.3
37.5°	7254.3	7160.3	6825.5	6645.0	6551.0	6445.4	6201.4	5447.3	4227.6	2111.1	247.1
40°	7866.9	7794.0	7396.9	7064.2	6989.2	6899.5	6717.8	6015.5	4776.7	2555.8	289.4
42.5°	8205.9	8165.7	7808.8	7480.3	7304.0	7224.8	7069.5	6511.9	5319.6	3046.8	350.6
45°	8350.6	8288.2	8049.6	7896.4	7615.5	7484.6	7299.7	6886.8	5886.7	3604.5	436.2
47.5°	8306.2	8270.3	8099.2	8155.2	7951.3	7747.5	7476.1	7174.1	6371.4	4244.4	553.4
50°	8027.4	7996.8	7944.0	8247.1	8221.7	7980.9	7704.2	7401.1	6767.5	4904.5	735.0
52.5°	7497.2	7484.6	7619.7	8175.2	8374.8	8186.9	7923.9	7601.8	7137.1	5594.1	994.8
55°	6813.9	6865.7	7252.2	8063.3	8453.0	8338.9	8118.2	7789.8	7433.9	6210.9	1378.2
57.5°	6533.0	6546.7	7029.4	7984.1	8487.8	8473.1	8307.3	7969.3	7706.3	6704.1	1963.3
60°	6861.5	6840.3	7094.9	8044.3	8557.5	8593.5	8475.2	8136.2	7942.9	7127.6	2742.7
62.5°	7455.0	7443.4	7524.7	8300.9	8761.4	8834.2	8708.6	8256.6	8152.0	7406.4	3631.9
65°	7985.1	7960.9	8111.9	8756.1	9119.4	9171.1	9061.3	8462.5	8243.9	7609.2	4467.3
67.5°	8214.3	8209.0	8451.9	9189.1	9495.4	9551.3	9455.2	8746.6	8222.8	7673.6	4835.9
70°	8109.8	8089.7	8478.3	9372.9	9707.6	9771.0	9678.1	8852.2	7993.6	7469.8	4289.9
71°	7994.6	7940.8	8399.1	9360.2	9737.2	9791.1	9628.4	8756.1	7763.4	7180.4	3794.6
72.5°	7637.7	7647.2	8181.6	9228.2	9666.4	9650.6	9347.5	8411.8	7485.6	6523.5	3047.9
75°	6759.0	6815.0	7477.2	8673.7	9034.9	8833.2	8369.6	7753.9	6928.0	4677.4	2116.4
77.5°	5523.4	5606.8	6334.5	7607.1	7504.6	7484.6	7465.5	6831.9	5916.2	2512.5	1472.2
80°	2637.1	2817.7	3821.0	5430.4	5899.4	6126.4	5983.8	5505.4	4575.0	1196.6	879.7
82.5°	172.1	170.0	240.8	456.2	1923.2	2486.0	3949.8	3935.0	3189.4	583.0	359.1
85°	81.3	83.4	91.9	104.6	121.5	133.1	183.8	1077.2	1526.1	277.8	78.2
87.5°	47.5	48.6	57.0	72.9	95.0	105.6	125.7	161.6	198.5	153.1	16.9
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-SA5B-930-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2.5°	86.6	85.5	82.4	79.2	76.0	73.9	72.9	73.9	73.9	75.0	75.0
5°	86.6	83.4	78.2	71.8	67.6	63.4	61.3	60.2	61.3	61.3	61.3
7.5°	85.5	80.3	72.9	65.5	60.2	54.9	52.8	51.7	51.7	52.8	52.8
10°	83.4	78.2	68.6	60.2	53.9	47.5	44.4	41.2	41.2	41.2	42.2
12.5°	82.4	75.0	63.4	54.9	46.5	39.1	32.7	29.6	30.6	30.6	30.6
15°	80.3	71.8	60.2	49.6	39.1	29.6	24.3	21.1	22.2	23.2	22.2
17.5°	80.3	70.8	56.0	43.3	30.6	22.2	18.0	15.8	15.8	16.9	16.9
20°	80.3	68.6	52.8	37.0	23.2	16.9	12.7	11.6	11.6	13.7	14.8
22.5°	82.4	68.6	48.6	30.6	19.0	12.7	9.5	8.4	9.5	11.6	12.7
25°	85.5	67.6	44.4	27.5	15.8	9.5	7.4	5.3	6.3	8.4	9.5
27.5°	88.7	66.5	40.1	24.3	12.7	7.4	5.3	4.2	3.2	4.2	4.2
30°	91.9	66.5	35.9	20.1	10.6	5.3	3.2	2.1	1.1	0.0	0.0
32.5°	94.0	64.4	32.7	15.8	8.4	4.2	2.1	1.1	0.0	0.0	0.0
35°	96.1	62.3	28.5	12.7	6.3	3.2	1.1	0.0	0.0	0.0	0.0
37.5°	98.2	59.1	24.3	10.6	5.3	2.1	0.0	0.0	0.0	0.0	0.0
40°	100.3	54.9	20.1	9.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	102.4	51.7	16.9	7.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
45°	107.7	49.6	13.7	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	117.2	47.5	12.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	131.0	45.4	11.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	150.0	44.4	10.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	183.8	43.3	9.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	241.8	42.2	9.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	370.7	40.1	9.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	662.2	39.1	8.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1154.3	40.1	8.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1654.9	42.2	7.4	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1416.2	37.0	7.4	4.2	2.1	1.1	0.0	0.0	0.0	0.0	0.0
71°	1154.3	32.7	7.4	4.2	2.1	1.1	1.1	0.0	0.0	0.0	0.0
72.5°	742.4	25.3	6.3	4.2	2.1	2.1	1.1	0.0	0.0	0.0	0.0
75°	313.7	21.1	6.3	4.2	3.2	2.1	2.1	1.1	0.0	0.0	0.0
77.5°	134.1	15.8	6.3	5.3	4.2	3.2	3.2	2.1	1.1	0.0	0.0
80°	50.7	12.7	7.4	6.3	5.3	5.3	4.2	2.1	1.1	0.0	0.0
82.5°	23.2	10.6	7.4	6.3	6.3	5.3	4.2	3.2	2.1	0.0	0.0
85°	14.8	9.5	7.4	6.3	6.3	5.3	5.3	3.2	2.1	0.0	0.0
87.5°	11.6	9.5	7.4	7.4	6.3	6.3	4.2	3.2	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: SP1-2407-184-14

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

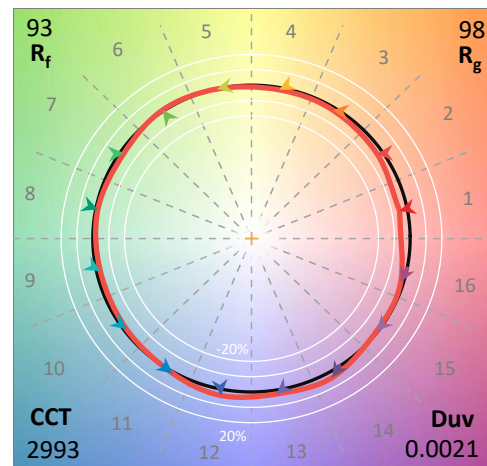
Test Information

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

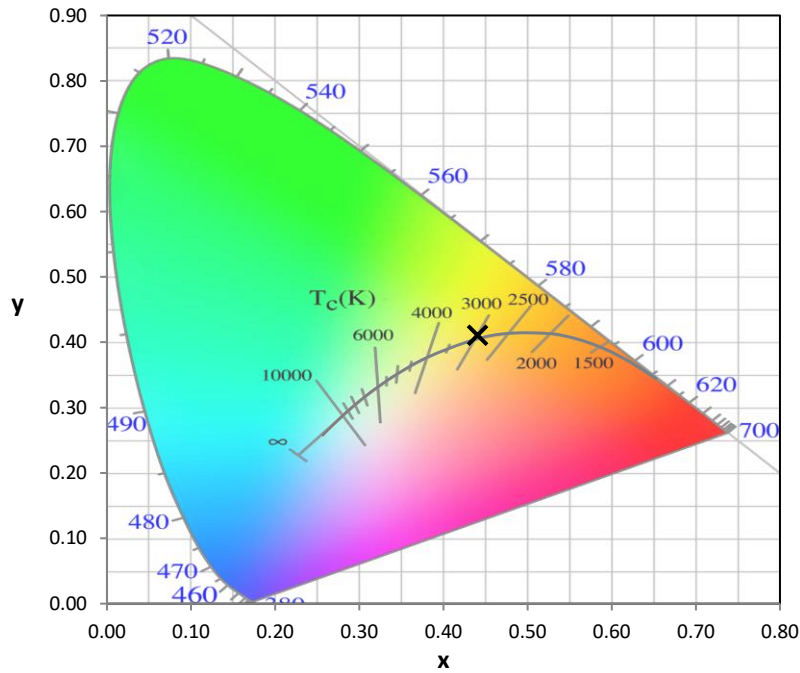
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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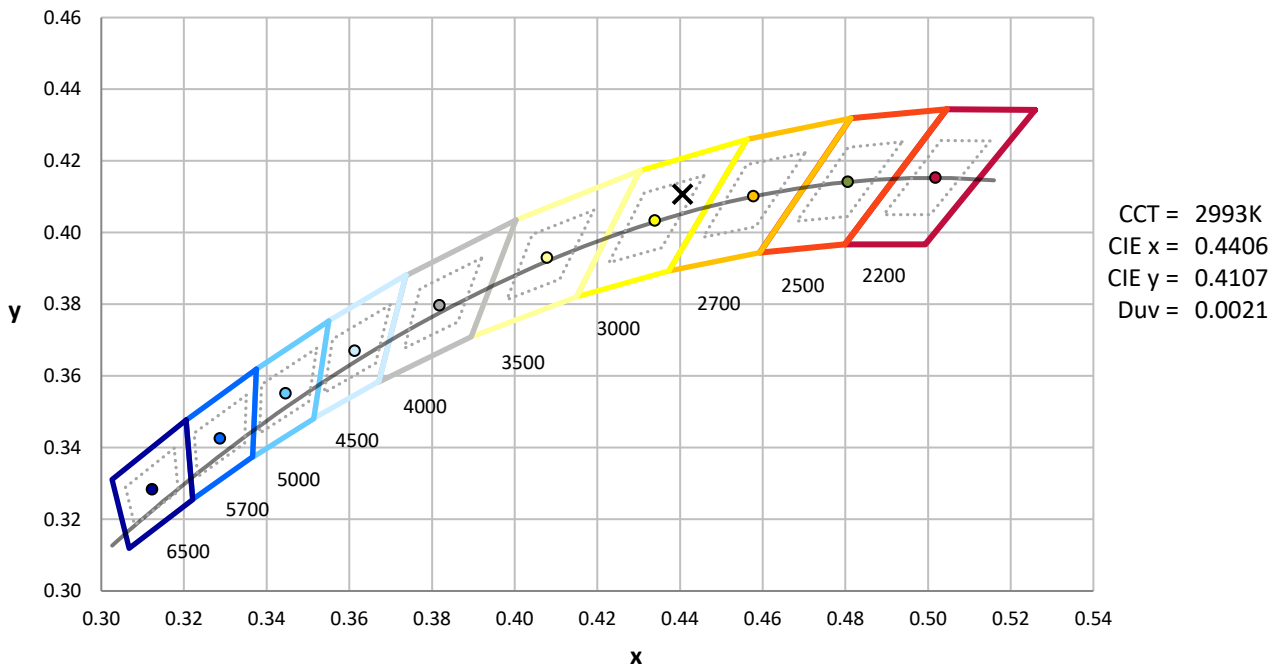
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



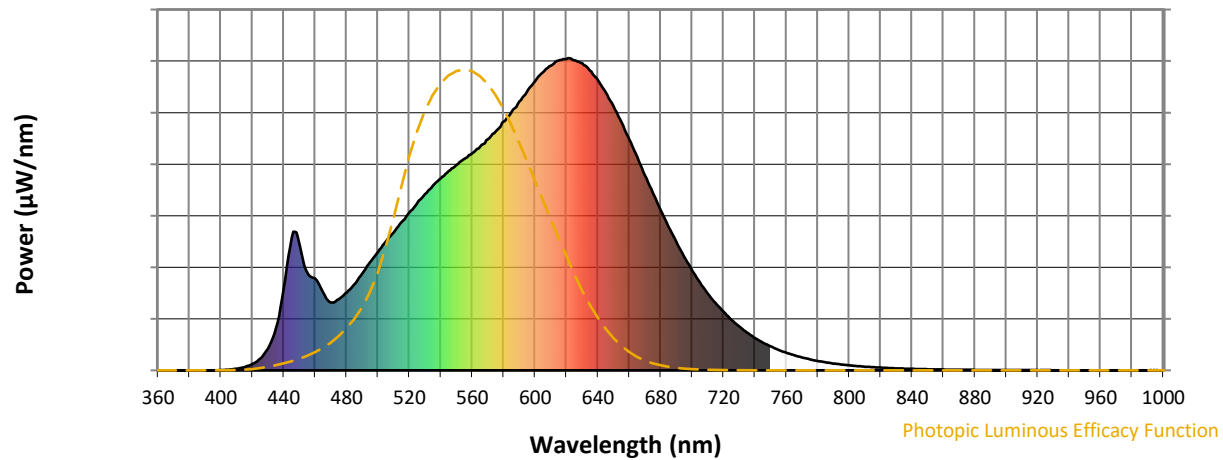
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

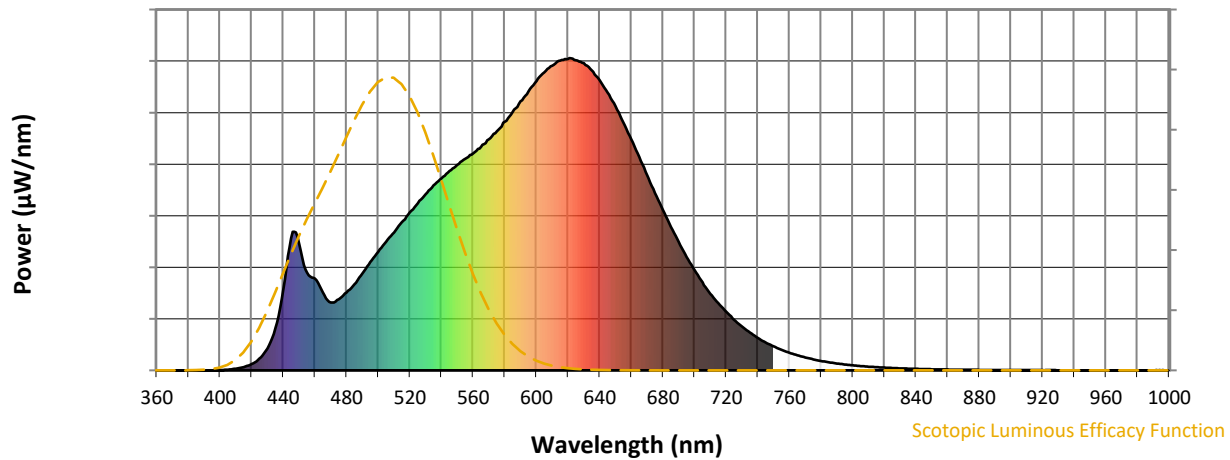


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Scotopic Flux vs. Wavelength



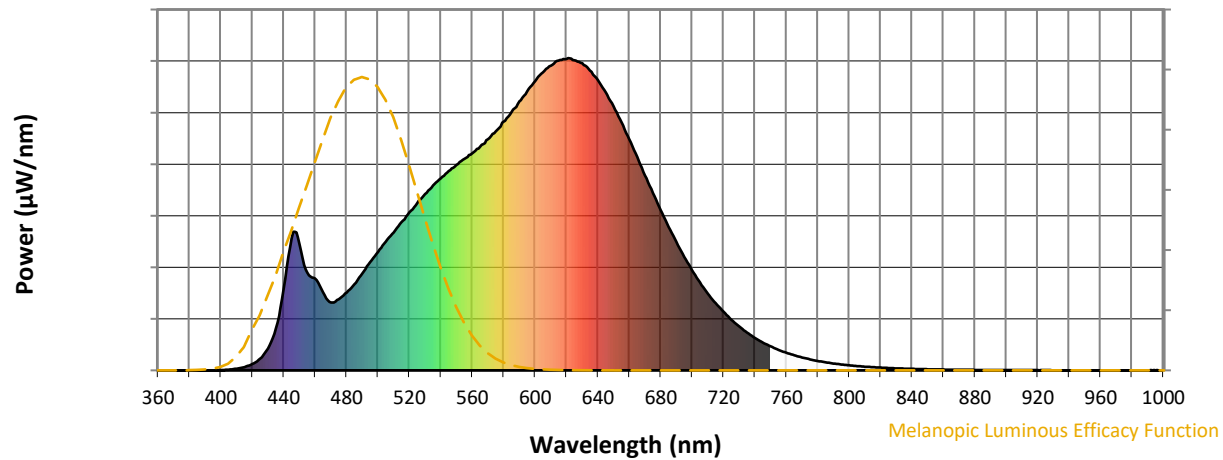
Scotopic Lumens: NR

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

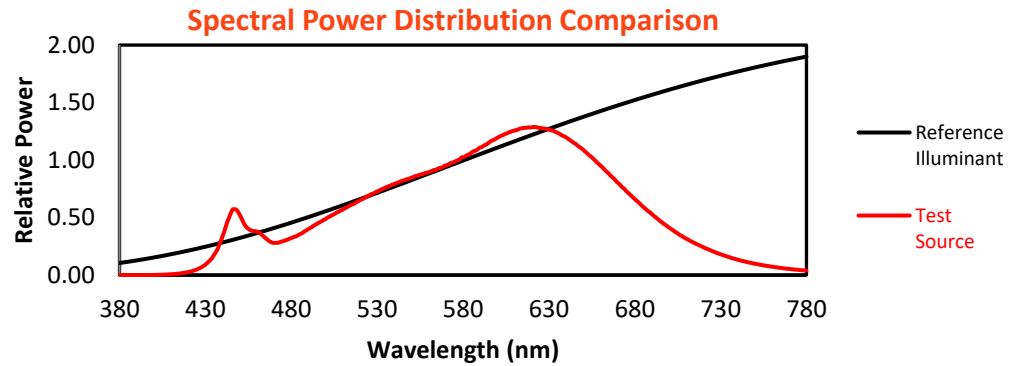
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	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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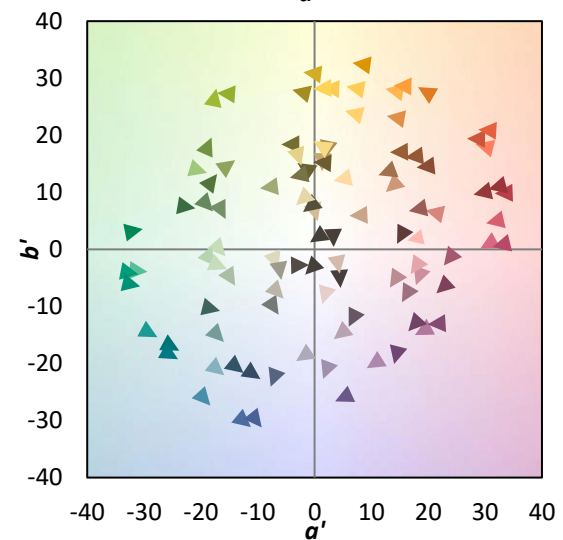
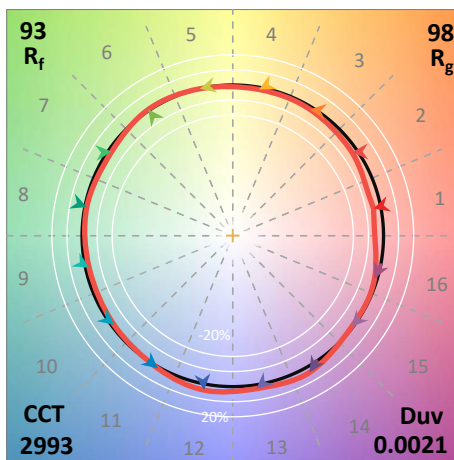
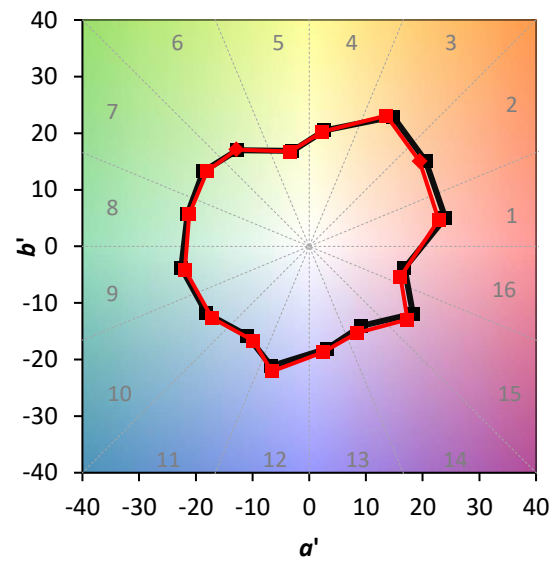
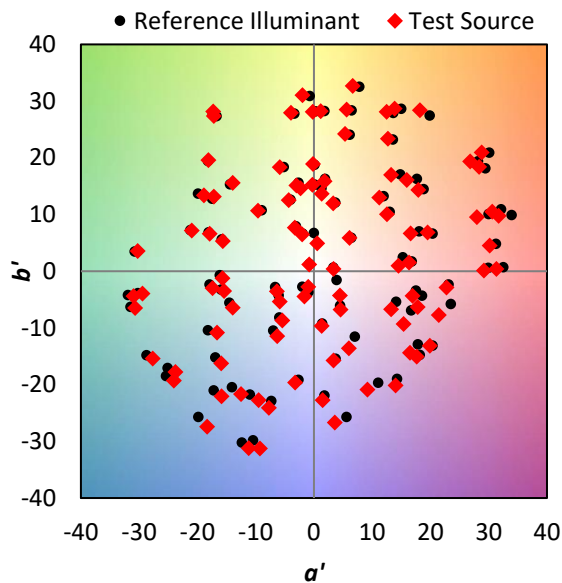
TM-30-18

Summary

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

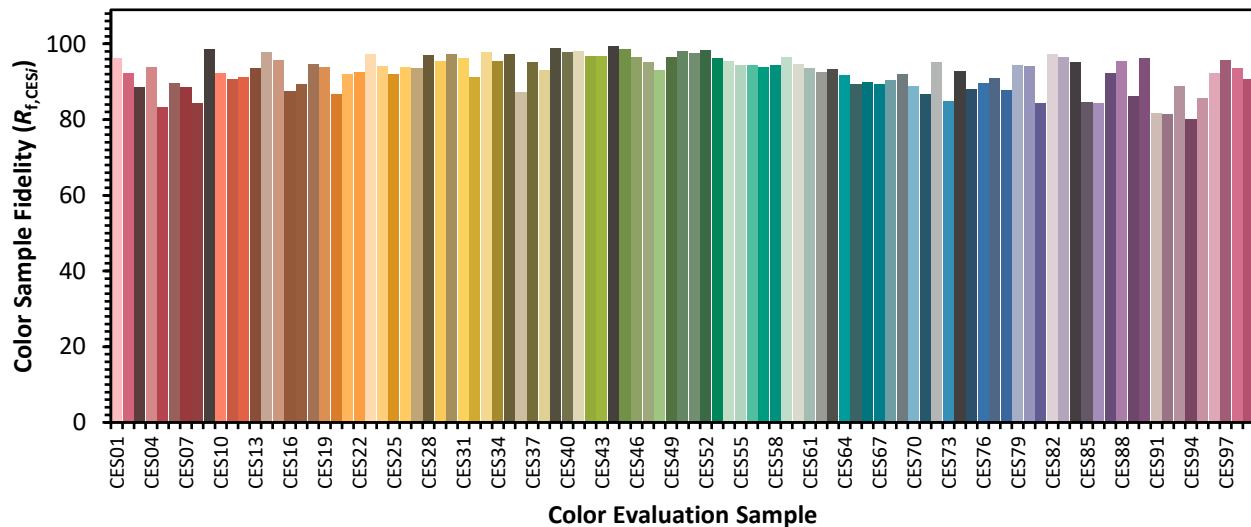


Color Vector Graphics

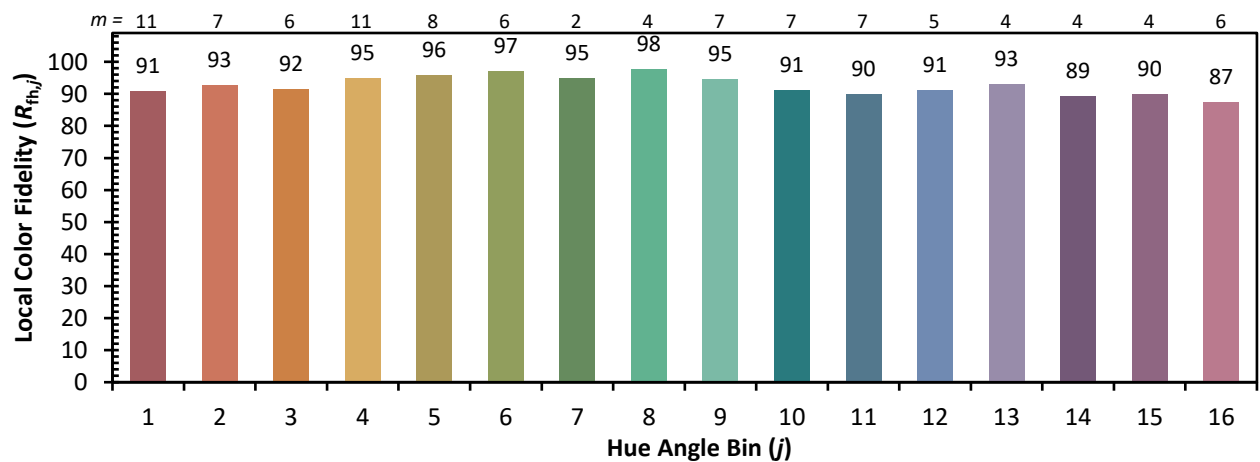
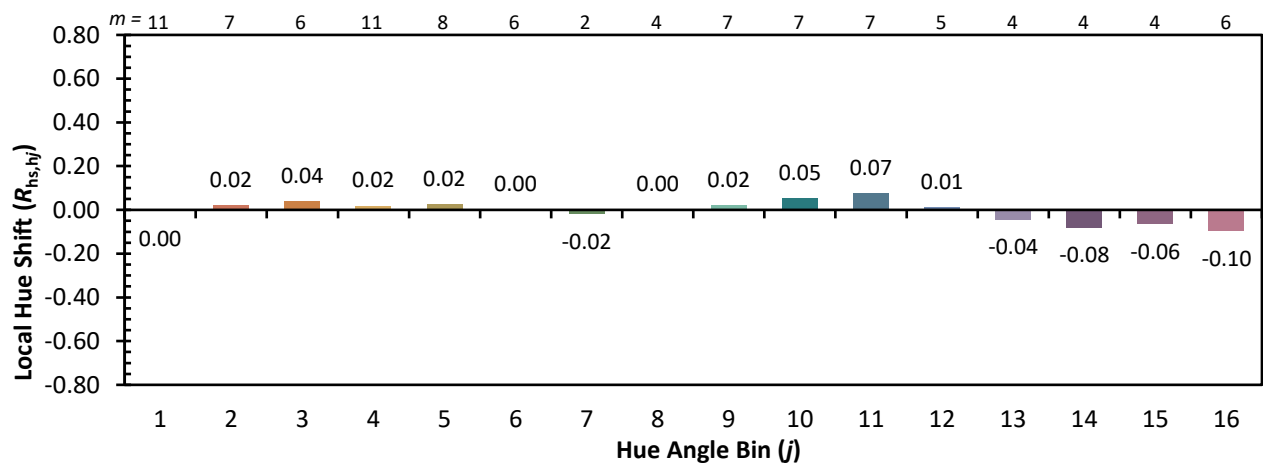
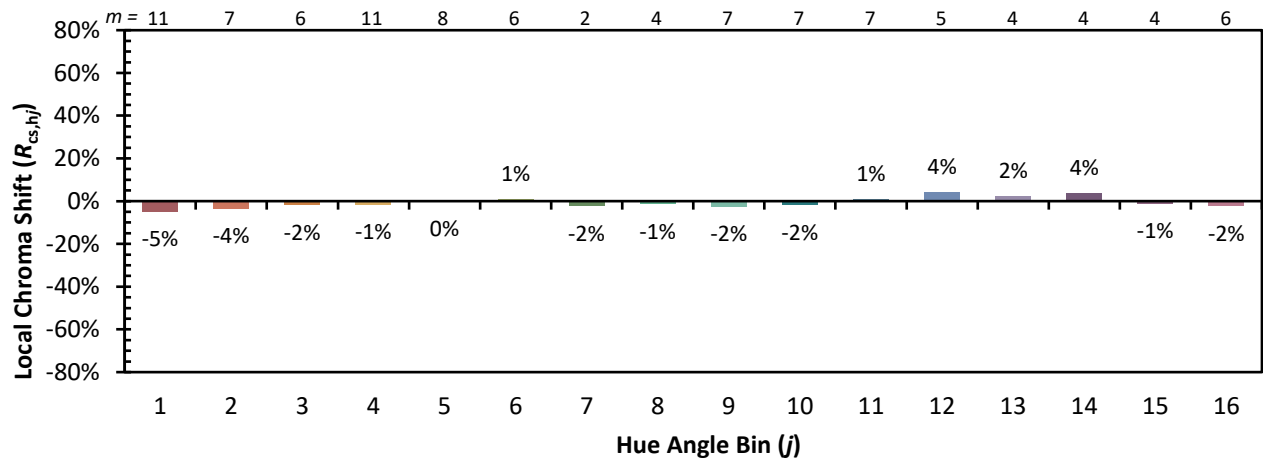


Individual Sample Fidelity Index ($R_{f,i}$)

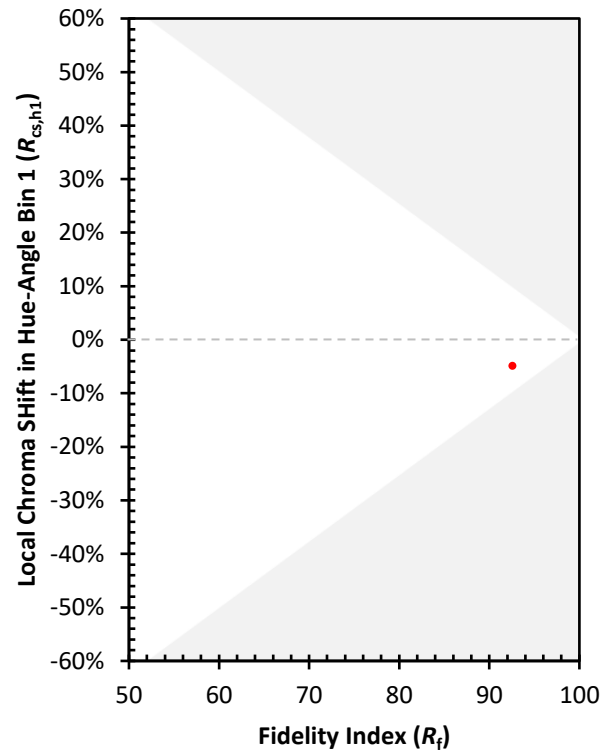
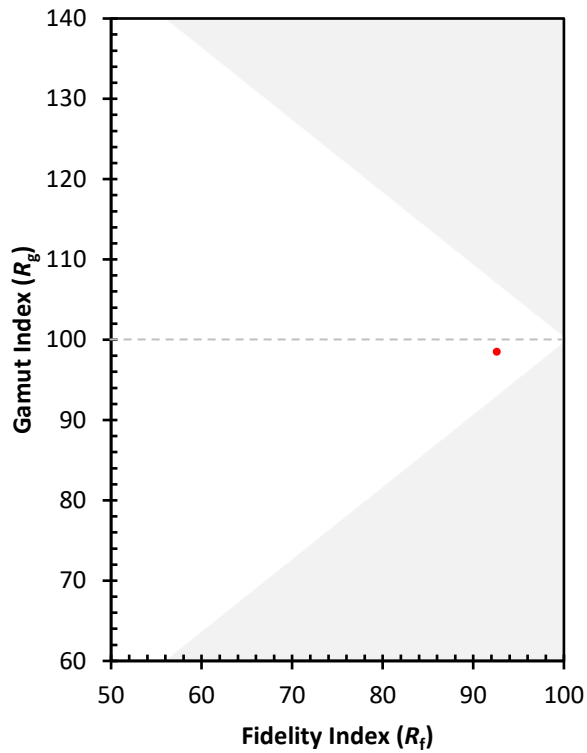
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 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)