

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: STREETWORKS

Report Number: P1063994

Luminaire Tested: **GLAN-SA4B-730-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1063994
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-730-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17744.4 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 144.1
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

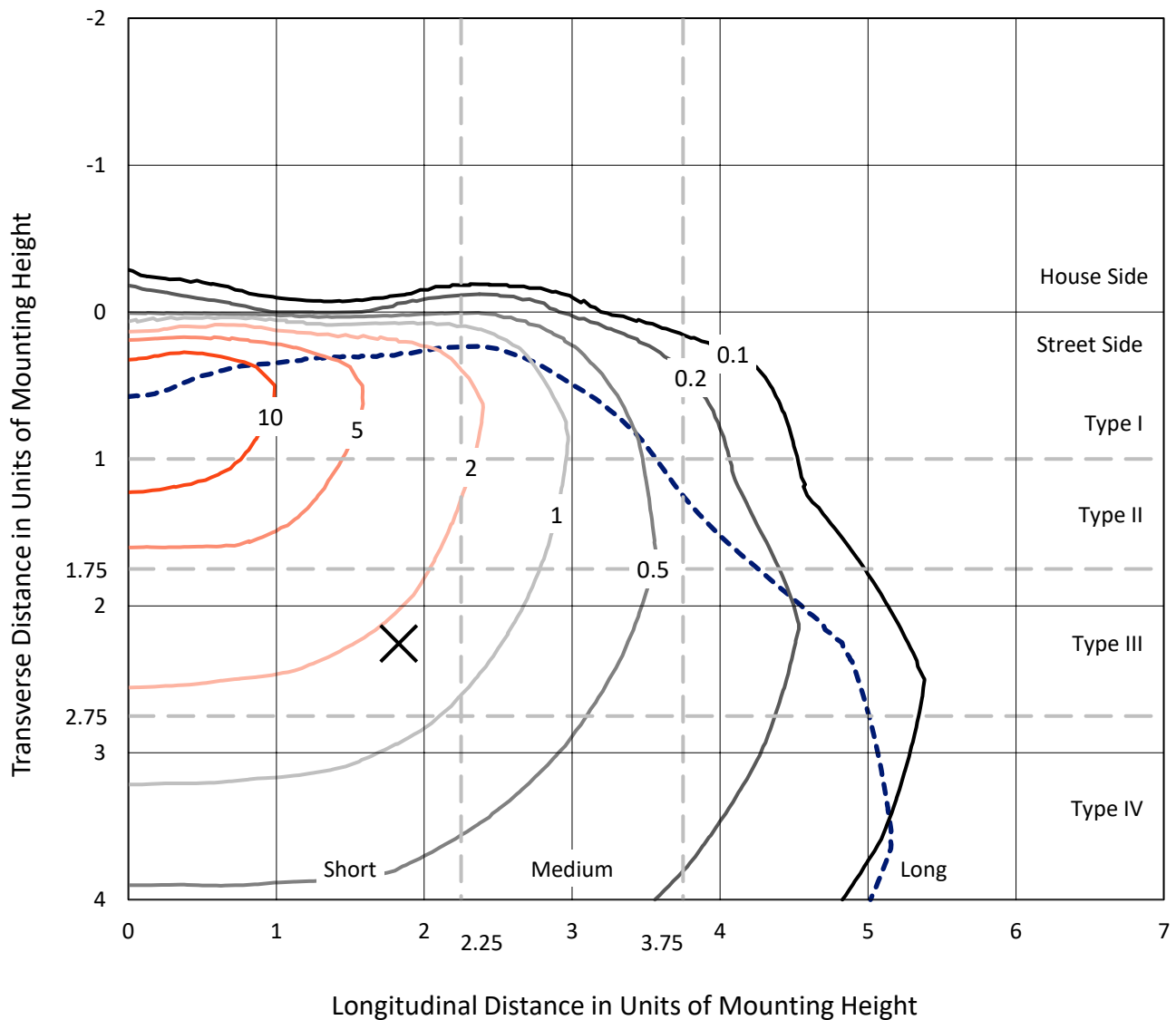


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

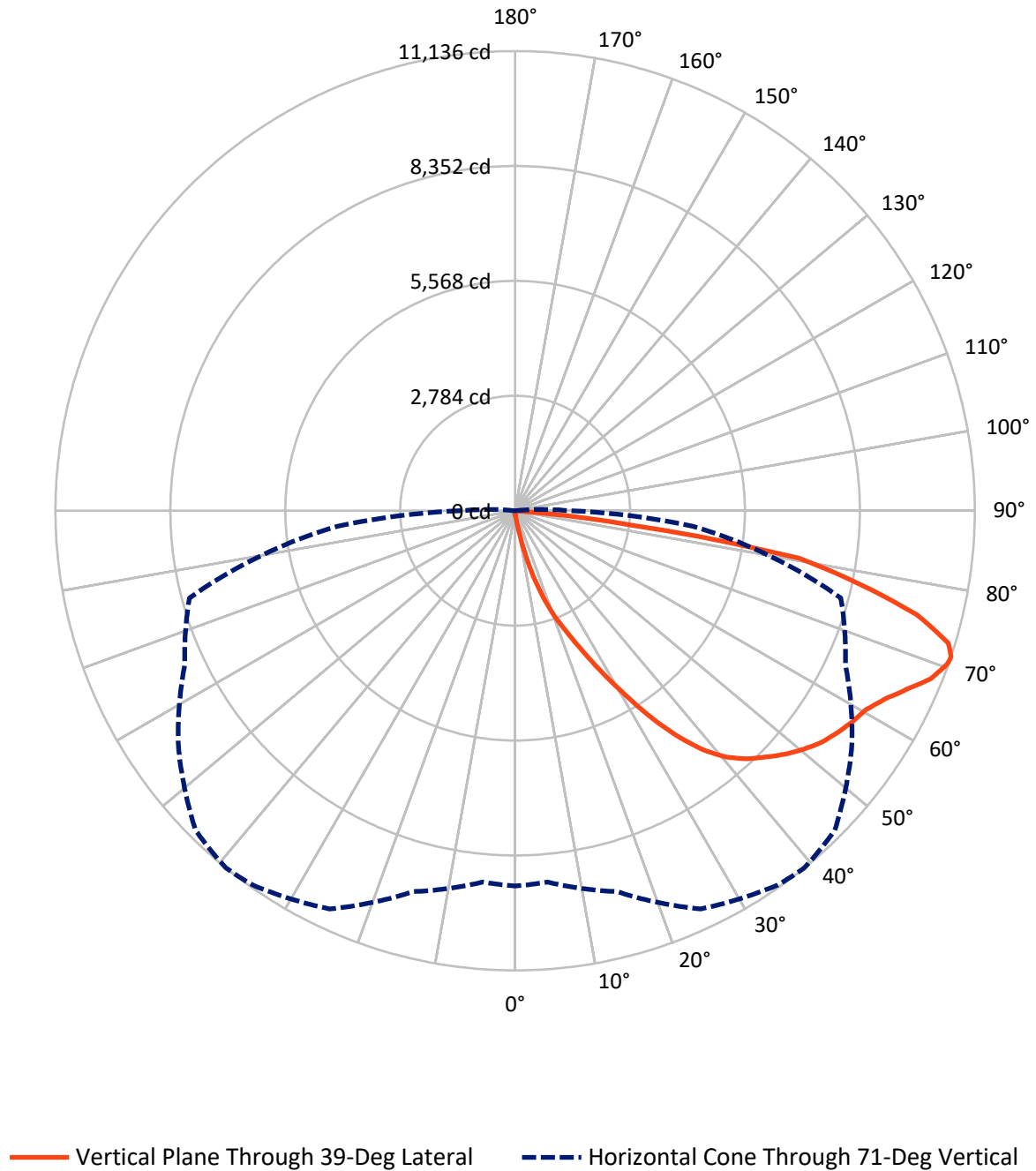


Based on 15 foot mounting height. Maximum calculated value = 18.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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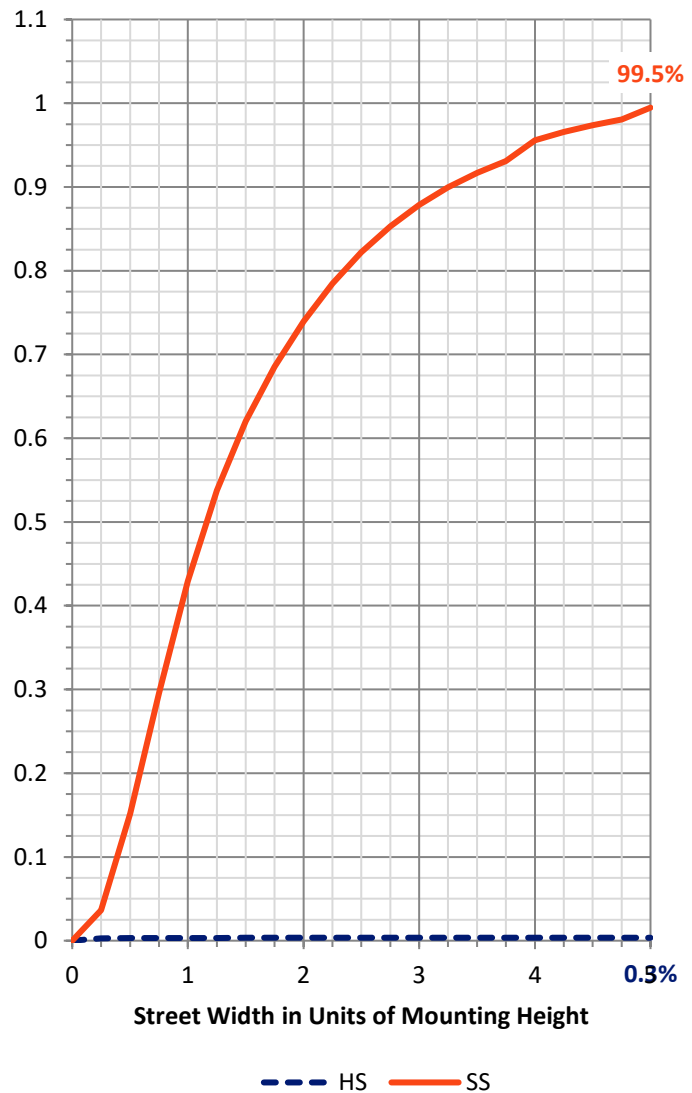
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	63.0	0.0	63.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17681.4	0.0	17681.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	17744.4	0.0	17744.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.1
10°-20°	189.6	1.1
20°-30°	675.4	3.8
30°-40°	1627.8	9.2
40°-50°	2724.2	15.4
50°-60°	3498.9	19.7
60°-70°	4427.9	25.0
70°-80°	3947.7	22.2
80°-90°	638.1	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°	17744.4	100.0
0°-180°	17744.4	100.0



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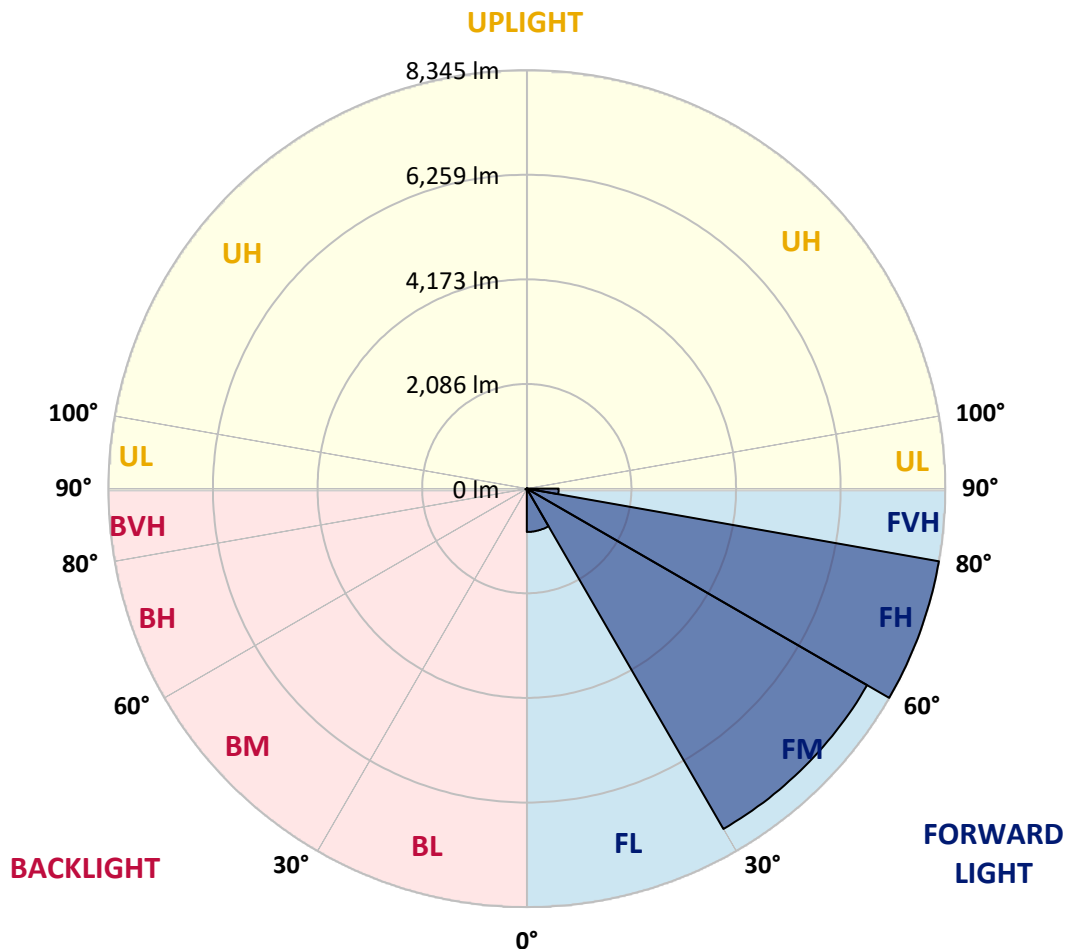
CATALOG NUMBER: GLAN-SA4B-730-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	864.6	4.9			
FM	(30°-60°)	7836.3	44.2			
FH	(60°-80°)	8345.2	47.0			G4/12000
FVH	(80°-90°)	635.2	3.6			G4/750
BL	(0°-30°)	15.2	0.1	B0/110		
BM	(30°-60°)	14.6	0.1	B0/220		
BH	(60°-80°)	30.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	111.7	111.7	111.7	108.1	108.1	106.9	105.7	105.7	103.3	102.1	99.7
5°	169.4	165.8	157.4	152.6	142.9	136.9	130.9	122.5	114.1	108.1	100.9
7.5°	383.2	391.6	364.0	312.3	259.5	236.6	198.2	159.8	132.1	114.1	102.1
10°	976.6	971.8	878.1	774.8	598.2	527.3	413.2	260.7	170.6	124.9	103.3
12.5°	1661.3	1656.5	1546.0	1405.4	1172.4	1024.6	808.4	486.5	245.0	141.7	103.3
15°	2236.6	2217.4	2182.6	2043.3	1770.6	1646.9	1361.0	860.1	396.4	170.6	105.7
17.5°	2617.4	2600.6	2568.2	2517.7	2344.8	2198.2	1968.8	1351.4	641.4	221.0	110.5
20°	2967.0	2955.0	2928.5	2918.9	2807.2	2729.1	2539.3	1915.9	999.4	300.3	117.7
22.5°	3447.5	3422.2	3433.0	3375.4	3266.1	3172.4	3055.9	2506.9	1436.6	432.4	130.9
25°	4036.0	4024.0	3994.0	3953.2	3801.8	3720.1	3541.2	3064.3	1925.5	605.4	145.3
27.5°	4747.2	4734.0	4726.7	4633.0	4458.9	4370.0	4120.1	3590.4	2475.7	848.1	164.6
30°	5566.4	5572.4	5525.5	5405.4	5202.4	5077.5	4820.4	4141.8	3039.0	1132.7	185.0
32.5°	6414.4	6402.4	6330.4	6188.6	6007.2	5890.7	5564.0	4746.0	3630.0	1508.7	209.0
35°	7328.6	7305.7	7115.9	6953.8	6798.8	6652.3	6354.4	5447.5	4221.0	1930.3	241.4
37.5°	8251.1	8144.2	7763.4	7558.0	7451.1	7331.0	7053.5	6195.8	4808.4	2401.2	281.1
40°	8947.8	8864.9	8413.2	8034.9	7949.6	7847.5	7640.9	6842.1	5433.1	2906.9	329.1
42.5°	9333.4	9287.7	8881.7	8508.1	8307.5	8217.4	8040.9	7406.6	6050.5	3465.5	398.8
45°	9497.9	9427.1	9155.6	8981.4	8661.9	8512.9	8302.7	7833.1	6695.5	4099.7	496.1
47.5°	9447.5	9406.6	9212.0	9275.7	9043.9	8812.0	8503.3	8159.8	7246.9	4827.6	629.4
50°	9130.4	9095.5	9035.5	9380.2	9351.4	9077.5	8762.8	8418.0	7697.3	5578.4	836.0
52.5°	8527.4	8512.9	8666.7	9298.5	9525.6	9311.7	9012.6	8646.3	8117.7	6362.8	1131.5
55°	7750.2	7809.0	8248.7	9171.2	9614.4	9484.7	9233.7	8860.1	8455.3	7064.3	1567.6
57.5°	7430.7	7446.3	7995.2	9081.1	9654.1	9637.3	9448.7	9064.3	8765.2	7625.3	2233.0
60°	7804.2	7780.2	8069.7	9149.6	9733.4	9774.2	9639.7	9254.1	9034.3	8106.9	3119.5
62.5°	8479.3	8466.1	8558.6	9441.5	9965.2	10048.1	9905.1	9391.0	9272.1	8424.1	4130.9
65°	9082.3	9054.7	9226.5	9959.2	10372.4	10431.3	10306.3	9625.3	9376.6	8654.7	5081.1
67.5°	9343.0	9337.0	9613.2	10451.7	10800.0	10863.7	10754.4	9948.4	9352.6	8728.0	5500.3
70°	9224.1	9201.2	9643.3	10660.7	11041.5	11113.6	11007.8	10068.5	9091.9	8496.1	4879.3
71°	9093.1	9031.9	9553.2	10646.3	11075.1	11136.4	10951.4	9959.2	8830.1	8167.0	4315.9
72.5°	8687.1	8697.9	9305.7	10496.1	10994.6	10976.6	10631.9	9567.6	8514.1	7419.8	3466.7
75°	7687.7	7751.4	8504.5	9865.5	10276.3	10046.9	9519.6	8819.2	7879.9	5320.1	2407.2
77.5°	6282.3	6377.2	7204.8	8652.3	8535.8	8512.9	8491.3	7770.6	6729.2	2857.7	1674.5
80°	2999.4	3204.8	4346.0	6176.6	6709.9	6968.2	6806.0	6261.9	5203.6	1361.0	1000.6
82.5°	195.8	193.4	273.9	518.9	2187.4	2827.6	4492.5	4475.7	3627.6	663.1	408.4
85°	92.5	94.9	104.5	118.9	138.1	151.4	209.0	1225.2	1735.7	315.9	88.9
87.5°	54.1	55.3	64.9	82.9	108.1	120.1	142.9	183.8	225.8	174.2	19.2
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: GLAN-SA4B-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2.5°	98.5	97.3	93.7	90.1	86.5	84.1	82.9	84.1	84.1	85.3	85.3
5°	98.5	94.9	88.9	81.7	76.9	72.1	69.7	68.5	69.7	69.7	69.7
7.5°	97.3	91.3	82.9	74.5	68.5	62.5	60.1	58.9	58.9	60.1	60.1
10°	94.9	88.9	78.1	68.5	61.3	54.1	50.5	46.8	46.8	46.8	48.0
12.5°	93.7	85.3	72.1	62.5	52.9	44.4	37.2	33.6	34.8	34.8	34.8
15°	91.3	81.7	68.5	56.5	44.4	33.6	27.6	24.0	25.2	26.4	25.2
17.5°	91.3	80.5	63.7	49.2	34.8	25.2	20.4	18.0	18.0	19.2	19.2
20°	91.3	78.1	60.1	42.0	26.4	19.2	14.4	13.2	13.2	15.6	16.8
22.5°	93.7	78.1	55.3	34.8	21.6	14.4	10.8	9.6	10.8	13.2	14.4
25°	97.3	76.9	50.5	31.2	18.0	10.8	8.4	6.0	7.2	9.6	10.8
27.5°	100.9	75.7	45.6	27.6	14.4	8.4	6.0	4.8	3.6	4.8	4.8
30°	104.5	75.7	40.8	22.8	12.0	6.0	3.6	2.4	1.2	0.0	0.0
32.5°	106.9	73.3	37.2	18.0	9.6	4.8	2.4	1.2	0.0	0.0	0.0
35°	109.3	70.9	32.4	14.4	7.2	3.6	1.2	0.0	0.0	0.0	0.0
37.5°	111.7	67.3	27.6	12.0	6.0	2.4	0.0	0.0	0.0	0.0	0.0
40°	114.1	62.5	22.8	10.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	116.5	58.9	19.2	8.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	122.5	56.5	15.6	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	133.3	54.1	14.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	148.9	51.7	13.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	170.6	50.5	12.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	209.0	49.2	10.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	275.1	48.0	10.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	421.6	45.6	10.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	753.2	44.4	9.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1312.9	45.6	9.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1882.3	48.0	8.4	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1610.8	42.0	8.4	4.8	2.4	1.2	0.0	0.0	0.0	0.0	0.0
71°	1312.9	37.2	8.4	4.8	2.4	1.2	1.2	0.0	0.0	0.0	0.0
72.5°	844.4	28.8	7.2	4.8	2.4	2.4	1.2	0.0	0.0	0.0	0.0
75°	356.8	24.0	7.2	4.8	3.6	2.4	2.4	1.2	0.0	0.0	0.0
77.5°	152.6	18.0	7.2	6.0	4.8	3.6	3.6	2.4	1.2	0.0	0.0
80°	57.7	14.4	8.4	7.2	6.0	6.0	4.8	2.4	1.2	0.0	0.0
82.5°	26.4	12.0	8.4	7.2	7.2	6.0	4.8	3.6	2.4	0.0	0.0
85°	16.8	10.8	8.4	7.2	7.2	6.0	6.0	3.6	2.4	0.0	0.0
87.5°	13.2	10.8	8.4	8.4	7.2	7.2	4.8	3.6	1.2	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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

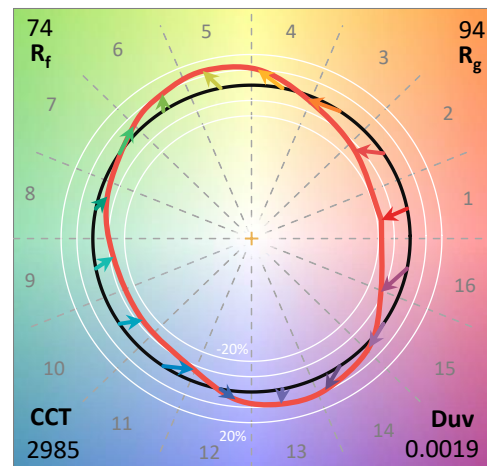
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

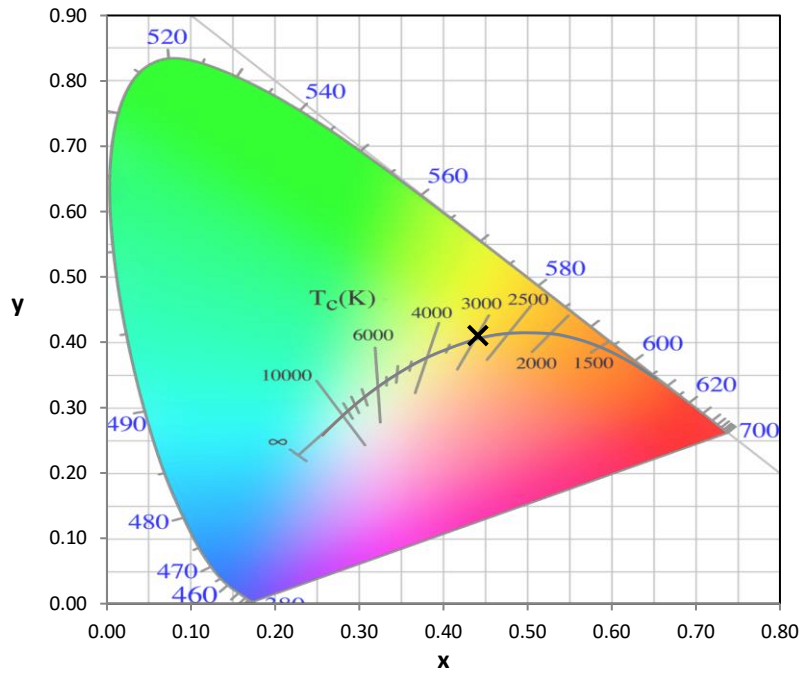
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

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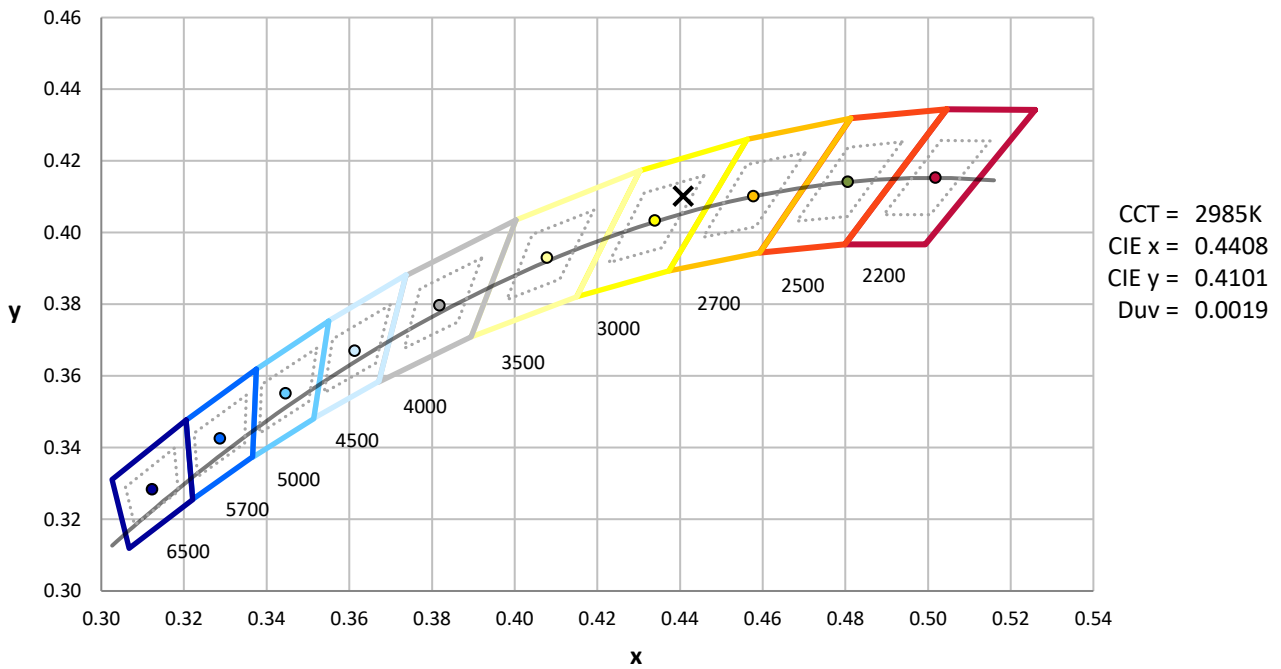
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



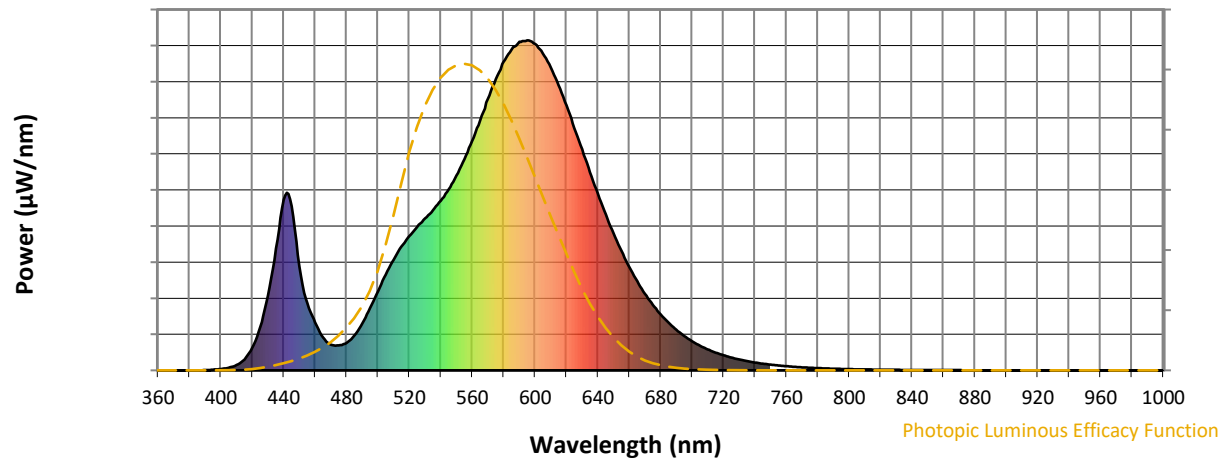
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

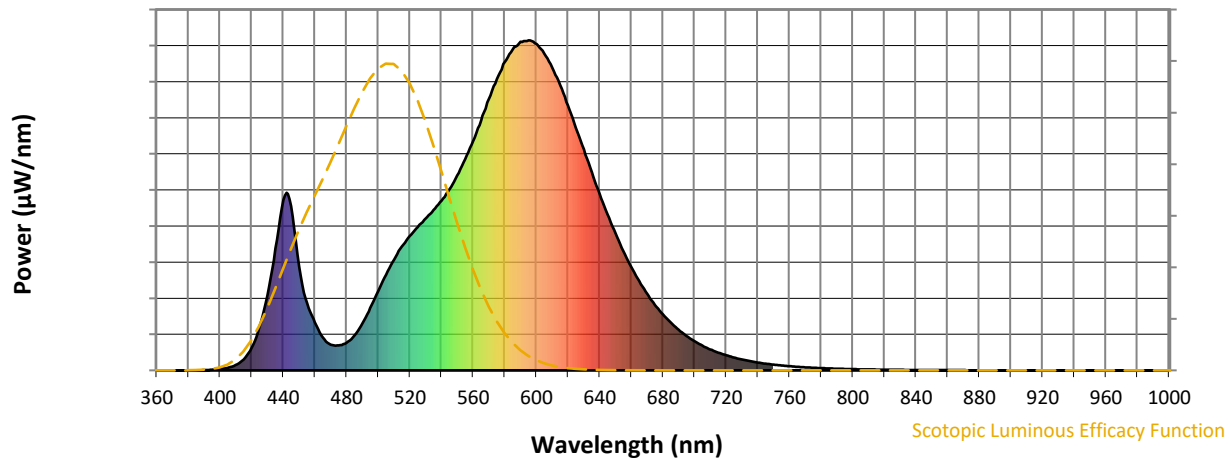


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



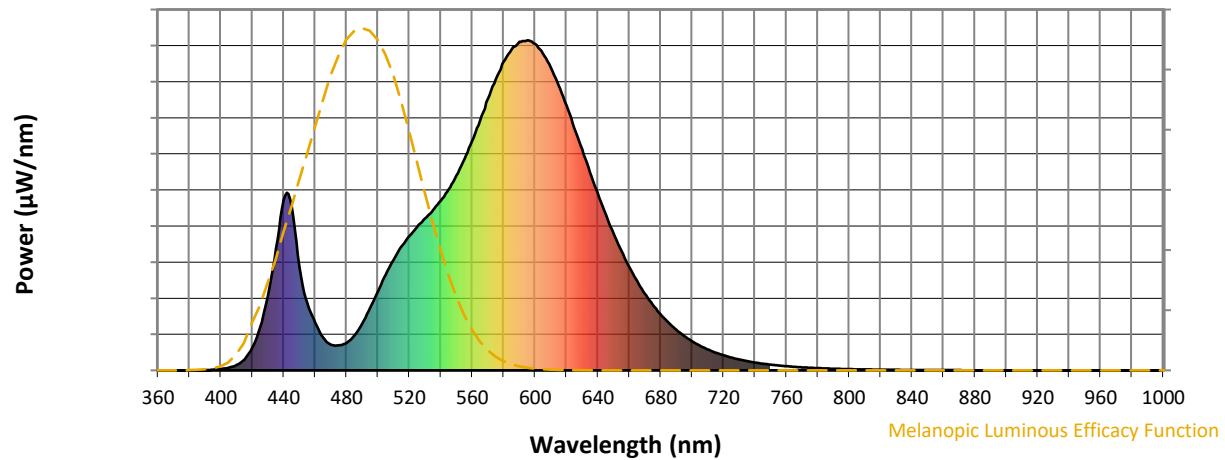
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

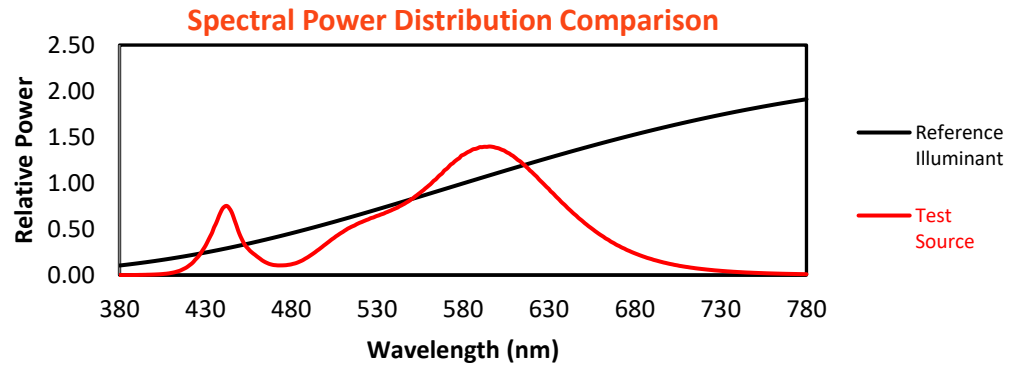
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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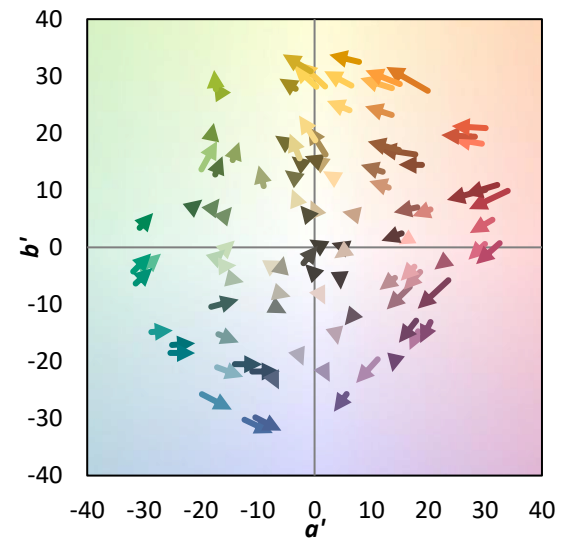
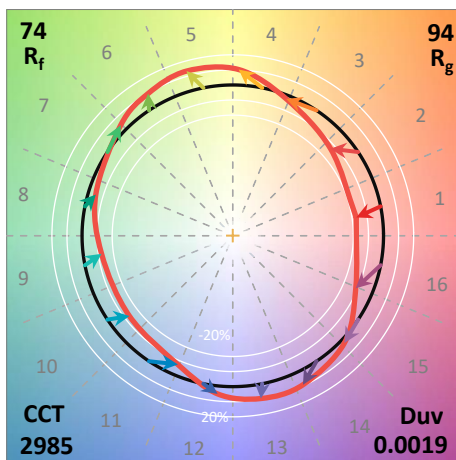
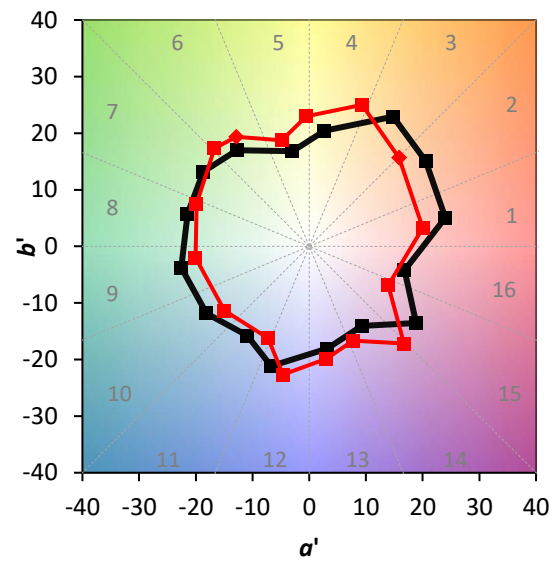
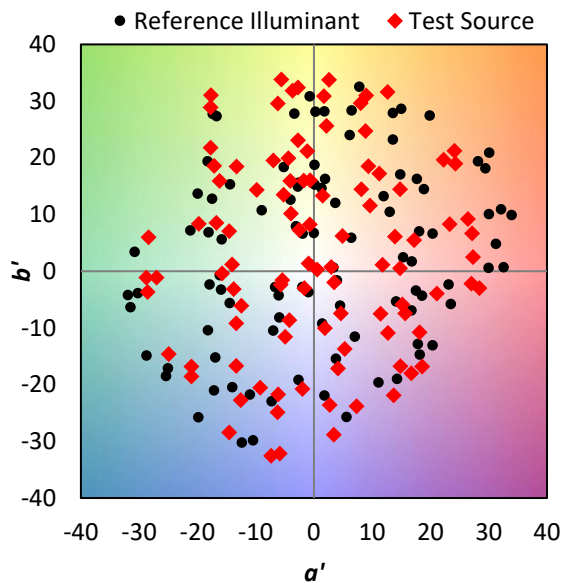
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$

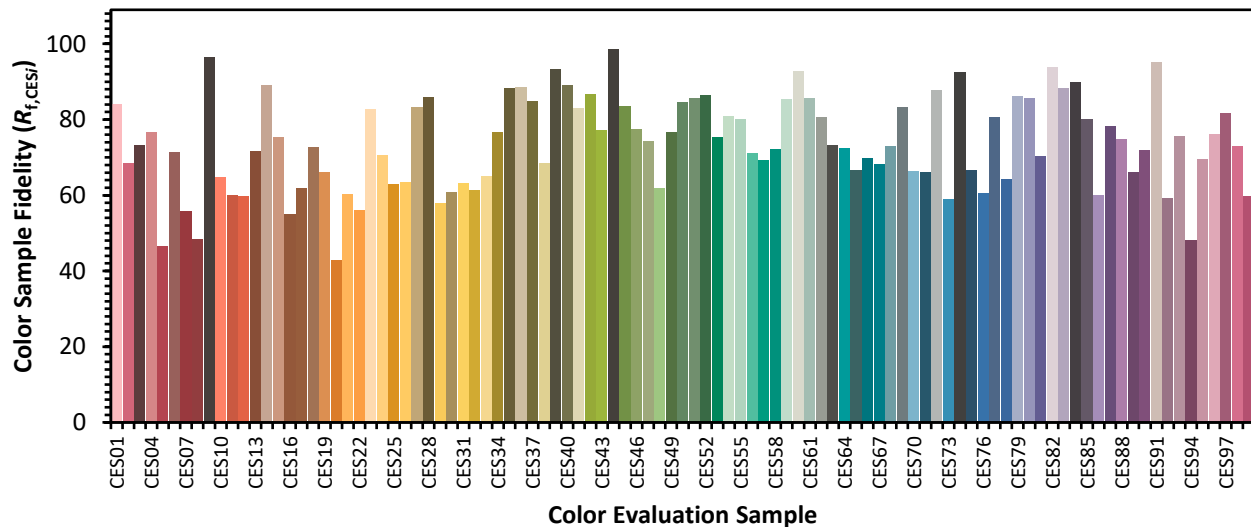


Color Vector Graphics

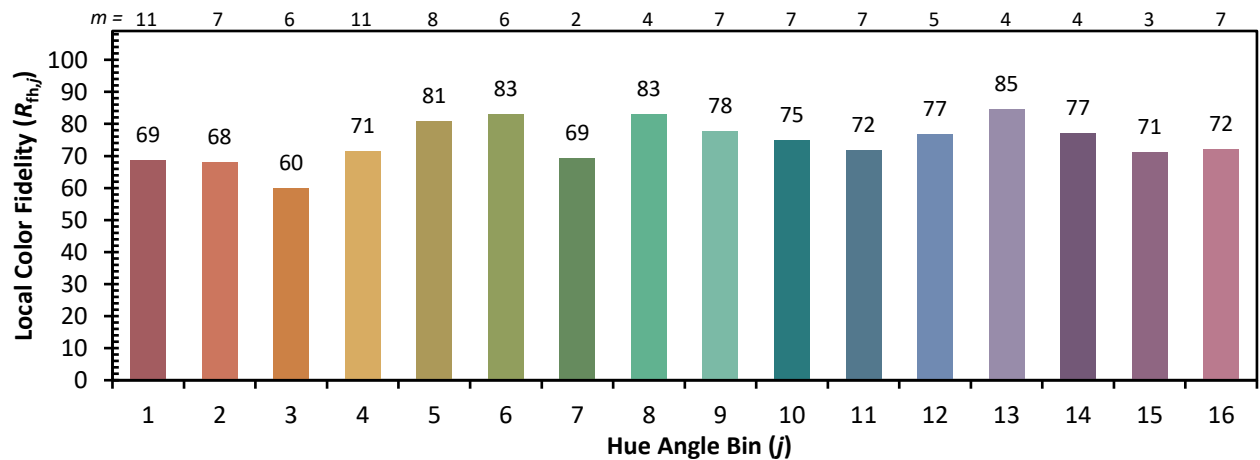
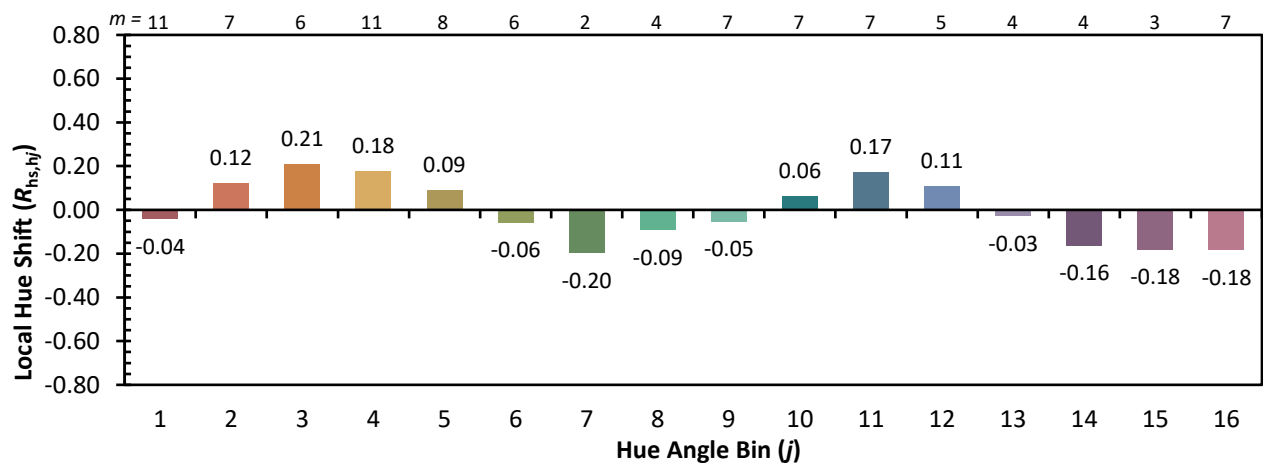
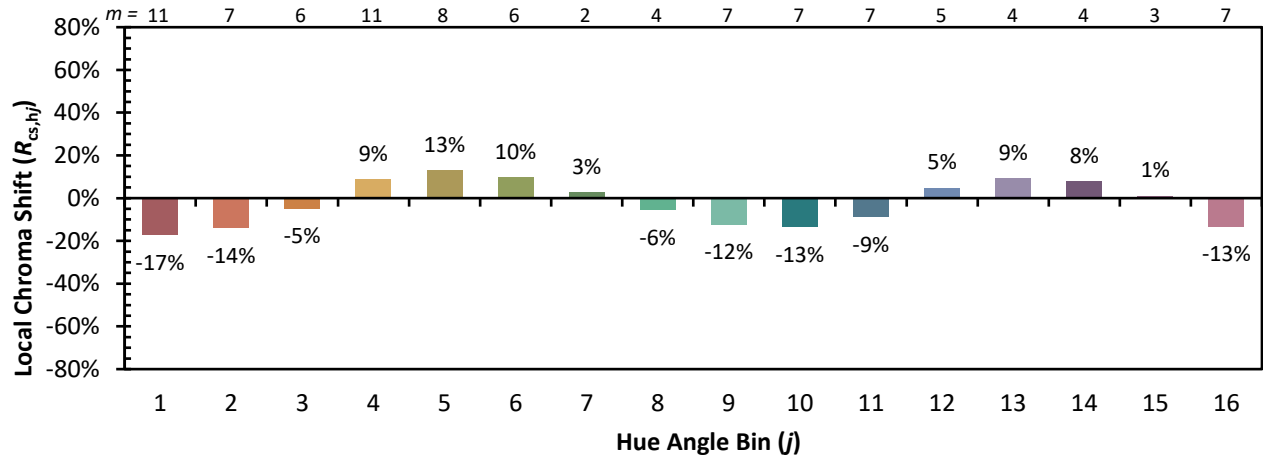


Individual Sample Fidelity Index ($R_{f,i}$)

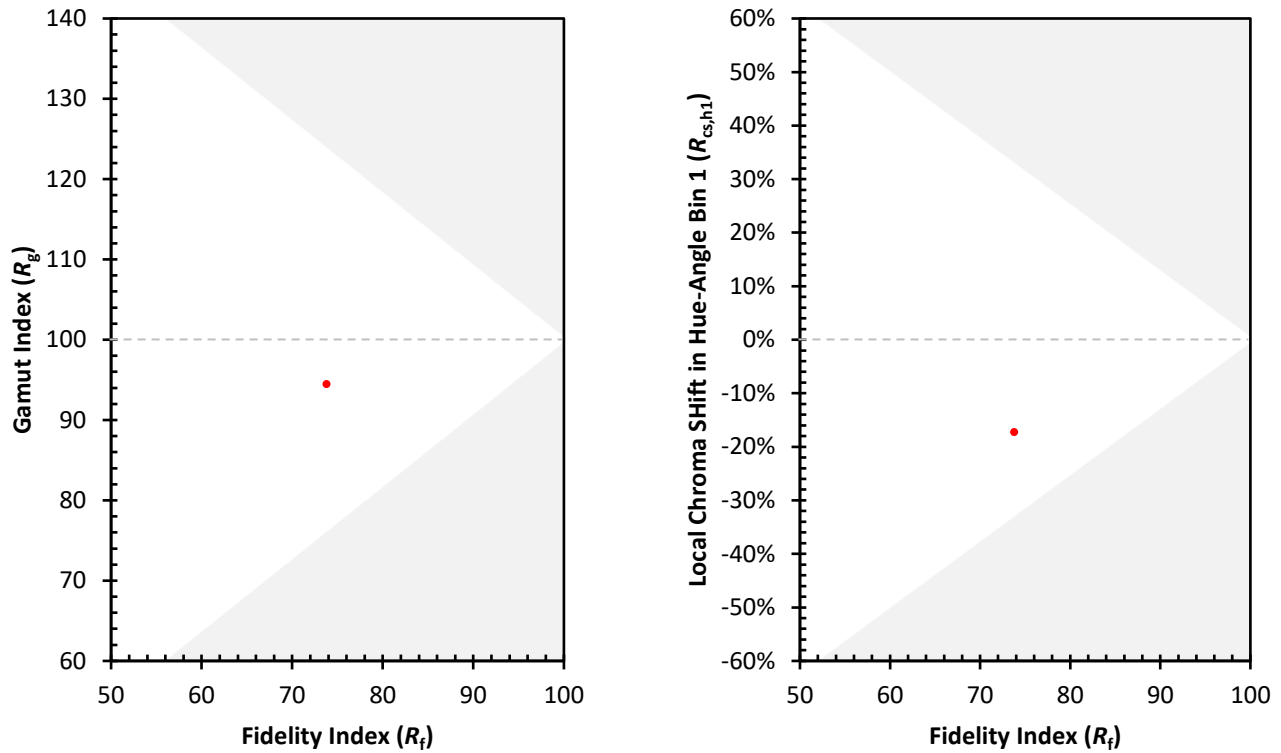
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)