

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: P1063886

Luminaire Tested: **GLAN-SA4B-740-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1063886
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-740-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18266.9 lumens
Efficiency: N/A
Efficacy: 126.8 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

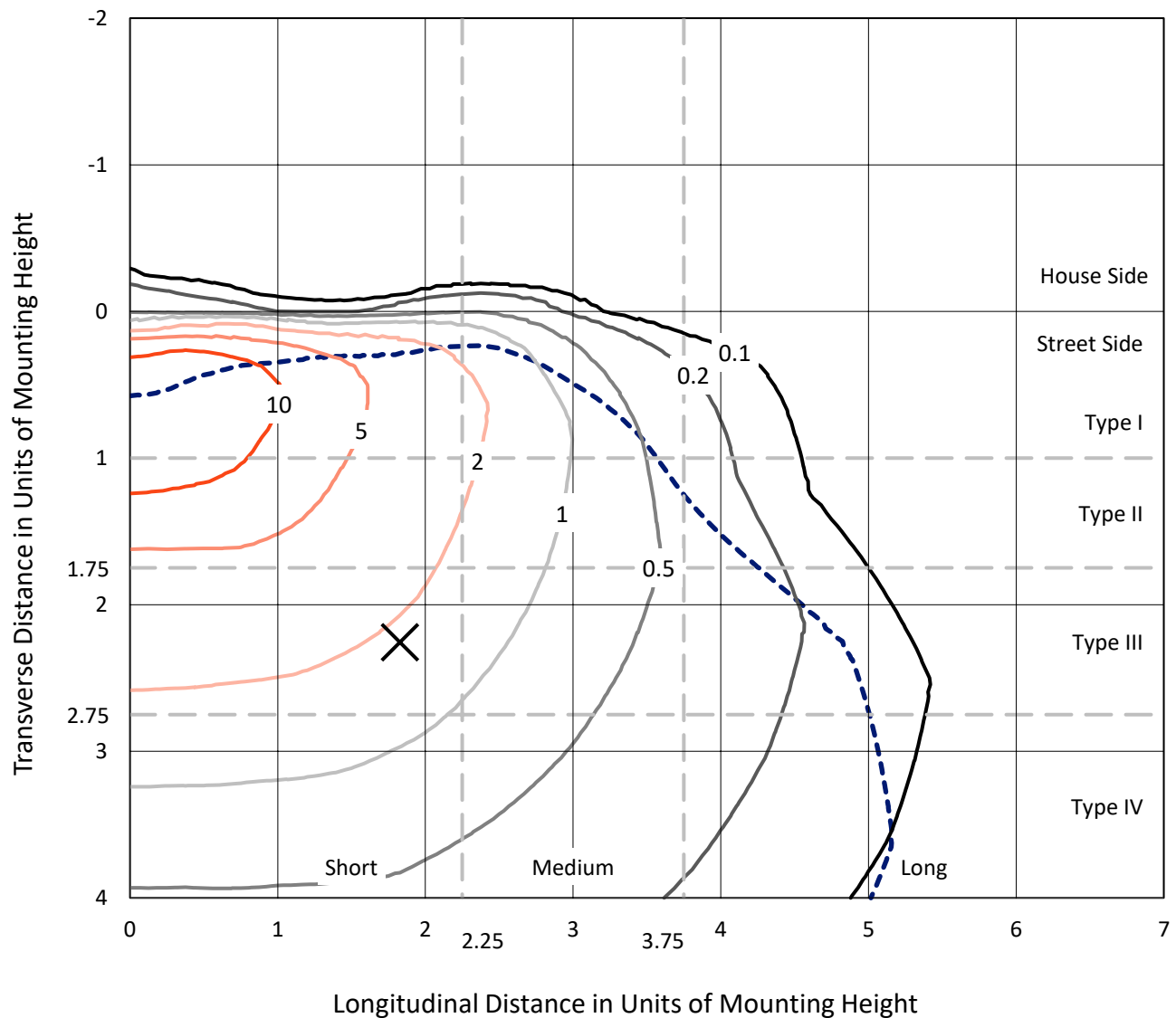


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

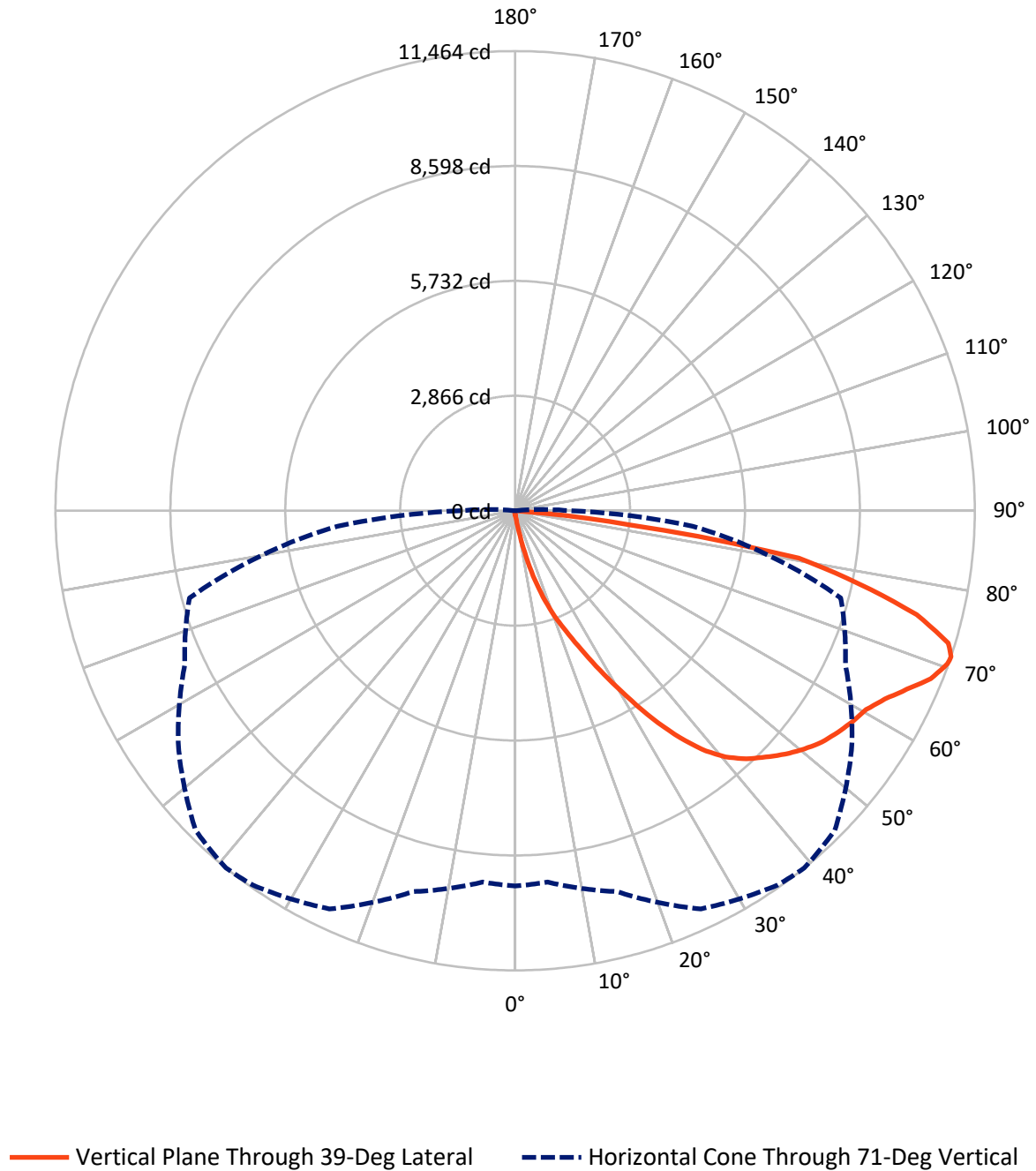


Based on 15 foot mounting height. Maximum calculated value = 18.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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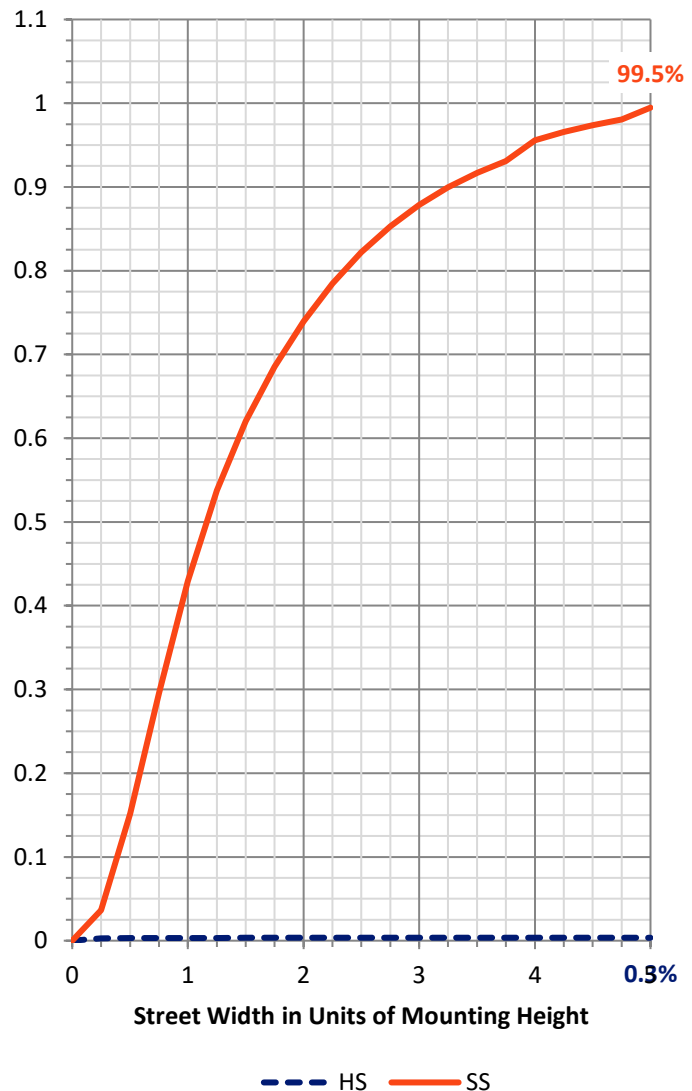
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	64.9	0.0	64.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	18202.0	0.0	18202.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	18266.9	0.0	18266.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.1
10°-20°	195.2	1.1
20°-30°	695.3	3.8
30°-40°	1675.7	9.2
40°-50°	2804.4	15.4
50°-60°	3601.9	19.7
60°-70°	4558.3	25.0
70°-80°	4063.9	22.2
80°-90°	656.9	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°	18266.9	100.0
0°-180°	18266.9	100.0



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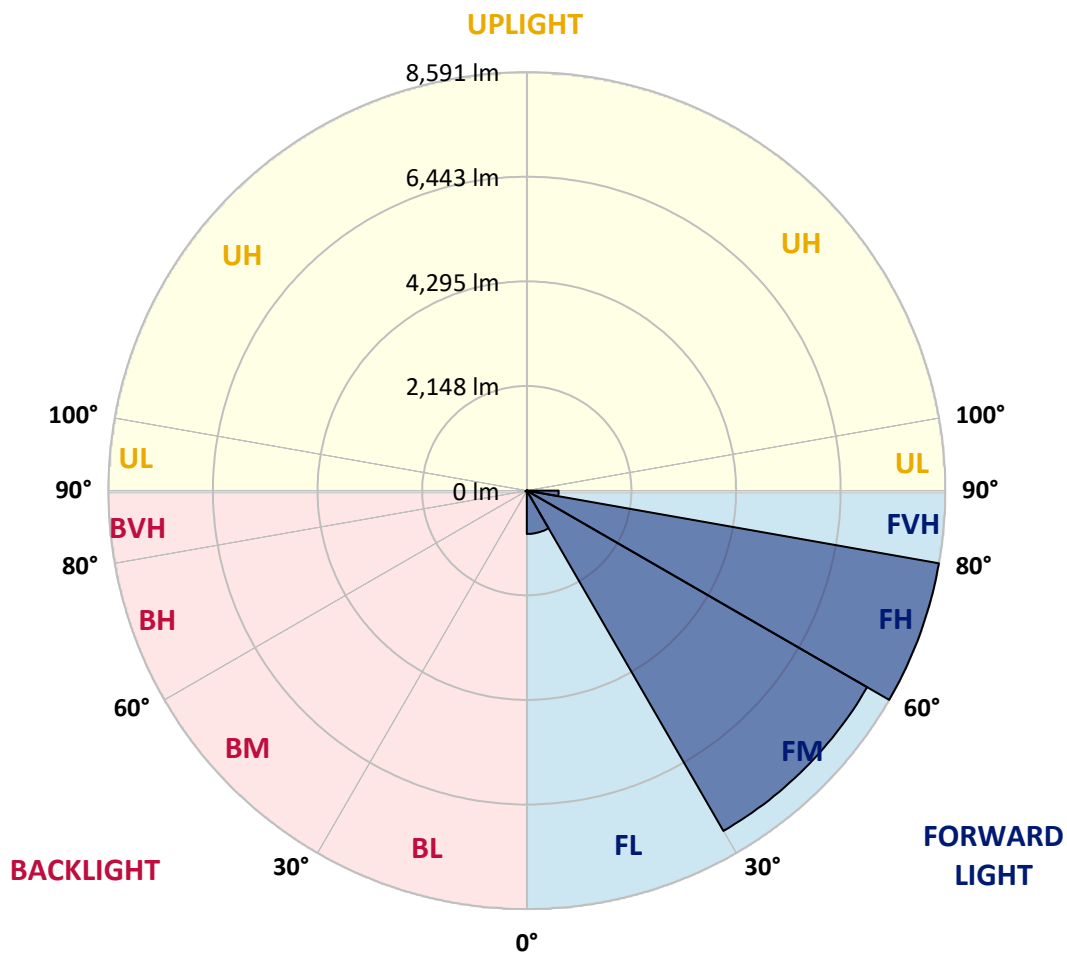
CATALOG NUMBER: GLAN-SA4B-740-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	890.1	4.9			
FM	(30°-60°)	8067.0	44.2			
FH	(60°-80°)	8590.9	47.0			G4/12000
FVH	(80°-90°)	653.9	3.6			G4/750
BL	(0°-30°)	15.7	0.1	B0/110		
BM	(30°-60°)	15.0	0.1	B0/220		
BH	(60°-80°)	31.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.0	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°	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2
2.5°	115.0	115.0	115.0	111.3	111.3	110.1	108.8	108.8	106.3	105.1	102.6
5°	174.4	170.6	162.0	157.0	147.2	141.0	134.8	126.1	117.5	111.3	103.9
7.5°	394.5	403.1	374.7	321.5	267.1	243.6	204.0	164.5	136.0	117.5	105.1
10°	1005.3	1000.4	903.9	797.6	615.8	542.9	425.4	268.3	175.6	128.6	106.3
12.5°	1710.2	1705.2	1591.5	1446.8	1206.9	1054.8	832.2	500.8	252.3	145.9	106.3
15°	2302.5	2282.7	2246.8	2103.4	1822.7	1695.3	1401.0	885.4	408.1	175.6	108.8
17.5°	2694.5	2677.2	2643.8	2591.9	2413.8	2262.9	2026.7	1391.1	660.3	227.5	113.8
20°	3054.3	3042.0	3014.8	3004.9	2889.9	2809.5	2614.1	1972.3	1028.8	309.1	121.2
22.5°	3549.0	3523.0	3534.1	3474.8	3362.2	3265.8	3145.8	2580.7	1478.9	445.2	134.8
25°	4154.9	4142.5	4111.6	4069.6	3913.7	3829.7	3645.4	3154.5	1982.2	623.2	149.6
27.5°	4886.9	4873.3	4865.9	4769.5	4590.2	4498.6	4241.4	3696.1	2548.6	873.0	169.4
30°	5730.3	5736.5	5688.2	5564.6	5355.6	5227.0	4962.4	4263.7	3128.5	1166.1	190.4
32.5°	6603.3	6590.9	6516.7	6370.8	6184.1	6064.1	5727.8	4885.7	3736.9	1553.1	215.2
35°	7544.3	7520.8	7325.4	7158.5	6999.0	6848.1	6541.5	5607.9	4345.3	1987.2	248.6
37.5°	8494.0	8384.0	7992.0	7780.5	7670.5	7546.8	7261.1	6378.2	4950.0	2471.9	289.4
40°	9211.2	9125.9	8660.9	8271.4	8183.6	8078.5	7865.8	7043.5	5593.0	2992.5	338.8
42.5°	9608.2	9561.2	9143.2	8758.6	8552.1	8459.4	8277.6	7624.7	6228.6	3567.5	410.5
45°	9777.6	9704.6	9425.1	9245.8	8916.9	8763.6	8547.2	8063.7	6892.6	4220.4	510.7
47.5°	9725.6	9683.6	9483.3	9548.8	9310.1	9071.5	8753.7	8400.0	7460.2	4969.8	648.0
50°	9399.2	9363.3	9301.5	9656.4	9626.7	9344.8	9020.8	8665.9	7923.9	5742.6	860.7
52.5°	8778.4	8763.6	8921.9	9572.3	9806.0	9585.9	9278.0	8900.8	8356.7	6550.1	1164.9
55°	7978.4	8038.9	8491.5	9441.2	9897.5	9764.0	9505.5	9120.9	8704.2	7272.3	1613.7
57.5°	7649.4	7665.5	8230.6	9348.5	9938.3	9921.0	9726.9	9331.2	9023.3	7849.8	2298.8
60°	8034.0	8009.3	8307.3	9419.0	10019.9	10062.0	9923.5	9526.5	9300.3	8345.6	3211.4
62.5°	8729.0	8715.4	8810.6	9719.4	10258.6	10343.9	10196.8	9667.5	9545.1	8672.1	4252.6
65°	9349.7	9321.3	9498.1	10252.4	10677.8	10738.4	10609.8	9908.6	9652.7	8909.5	5230.7
67.5°	9618.1	9611.9	9896.3	10759.4	11118.0	11183.6	11071.0	10241.3	9627.9	8984.9	5662.3
70°	9495.6	9472.1	9927.2	10974.6	11366.6	11440.8	11331.9	10364.9	9359.6	8746.3	5023.0
71°	9360.8	9297.8	9834.5	10959.7	11401.2	11464.3	11273.8	10252.4	9090.0	8407.4	4443.0
72.5°	8942.9	8954.0	9579.7	10805.2	11318.3	11299.8	10944.9	9849.3	8764.8	7638.3	3568.7
75°	7914.1	7979.6	8754.9	10156.0	10578.9	10342.7	9799.8	9078.9	8111.9	5476.8	2478.1
77.5°	6467.3	6565.0	7417.0	8907.0	8787.1	8763.6	8741.3	7999.4	6927.3	2941.8	1723.8
80°	3087.7	3299.2	4473.9	6358.4	6907.5	7173.3	7006.4	6446.2	5356.8	1401.0	1030.1
82.5°	201.6	199.1	281.9	534.2	2251.8	2910.9	4624.8	4607.5	3734.4	682.6	420.4
85°	95.2	97.7	107.6	122.4	142.2	155.8	215.2	1261.3	1786.8	325.2	91.5
87.5°	55.6	56.9	66.8	85.3	111.3	123.7	147.2	189.2	232.5	179.3	19.8
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-740-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2
2.5°	101.4	100.2	96.5	92.7	89.0	86.6	85.3	86.6	86.6	87.8	87.8
5°	101.4	97.7	91.5	84.1	79.1	74.2	71.7	70.5	71.7	71.7	71.7
7.5°	100.2	94.0	85.3	76.7	70.5	64.3	61.8	60.6	60.6	61.8	61.8
10°	97.7	91.5	80.4	70.5	63.1	55.6	51.9	48.2	48.2	48.2	49.5
12.5°	96.5	87.8	74.2	64.3	54.4	45.8	38.3	34.6	35.9	35.9	35.9
15°	94.0	84.1	70.5	58.1	45.8	34.6	28.4	24.7	26.0	27.2	26.0
17.5°	94.0	82.9	65.5	50.7	35.9	26.0	21.0	18.5	18.5	19.8	19.8
20°	94.0	80.4	61.8	43.3	27.2	19.8	14.8	13.6	13.6	16.1	17.3
22.5°	96.5	80.4	56.9	35.9	22.3	14.8	11.1	9.9	11.1	13.6	14.8
25°	100.2	79.1	51.9	32.2	18.5	11.1	8.7	6.2	7.4	9.9	11.1
27.5°	103.9	77.9	47.0	28.4	14.8	8.7	6.2	4.9	3.7	4.9	4.9
30°	107.6	77.9	42.0	23.5	12.4	6.2	3.7	2.5	1.2	0.0	0.0
32.5°	110.1	75.4	38.3	18.5	9.9	4.9	2.5	1.2	0.0	0.0	0.0
35°	112.5	73.0	33.4	14.8	7.4	3.7	1.2	0.0	0.0	0.0	0.0
37.5°	115.0	69.2	28.4	12.4	6.2	2.5	0.0	0.0	0.0	0.0	0.0
40°	117.5	64.3	23.5	11.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	119.9	60.6	19.8	8.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	126.1	58.1	16.1	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	137.3	55.6	14.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	153.3	53.2	13.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	175.6	51.9	12.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	215.2	50.7	11.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	283.2	49.5	11.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	434.0	47.0	11.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	775.3	45.8	9.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1351.6	47.0	9.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1937.7	49.5	8.7	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1658.2	43.3	8.7	4.9	2.5	1.2	0.0	0.0	0.0	0.0	0.0
71°	1351.6	38.3	8.7	4.9	2.5	1.2	1.2	0.0	0.0	0.0	0.0
72.5°	869.3	29.7	7.4	4.9	2.5	2.5	1.2	0.0	0.0	0.0	0.0
75°	367.3	24.7	7.4	4.9	3.7	2.5	2.5	1.2	0.0	0.0	0.0
77.5°	157.0	18.5	7.4	6.2	4.9	3.7	3.7	2.5	1.2	0.0	0.0
80°	59.4	14.8	8.7	7.4	6.2	6.2	4.9	2.5	1.2	0.0	0.0
82.5°	27.2	12.4	8.7	7.4	7.4	6.2	4.9	3.7	2.5	0.0	0.0
85°	17.3	11.1	8.7	7.4	7.4	6.2	6.2	3.7	2.5	0.0	0.0
87.5°	13.6	11.1	8.7	8.7	7.4	7.4	4.9	3.7	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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

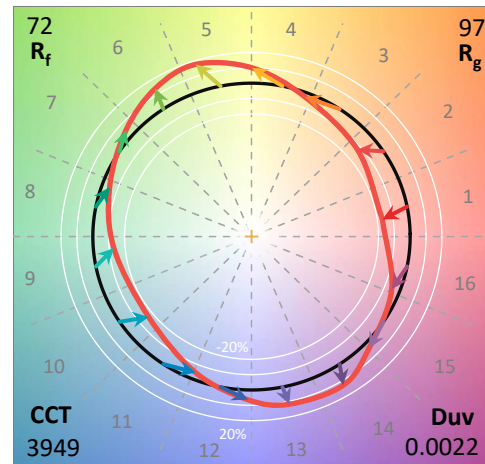
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

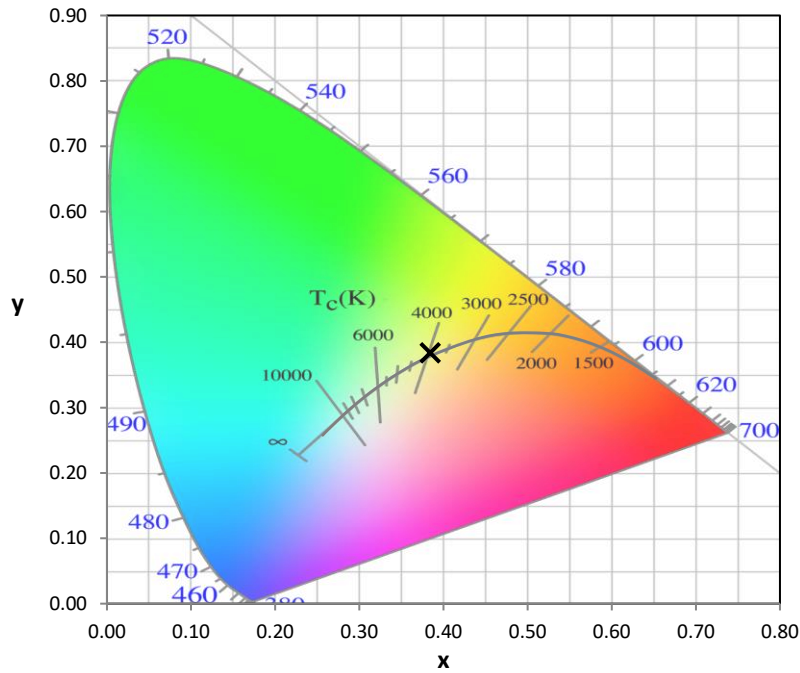
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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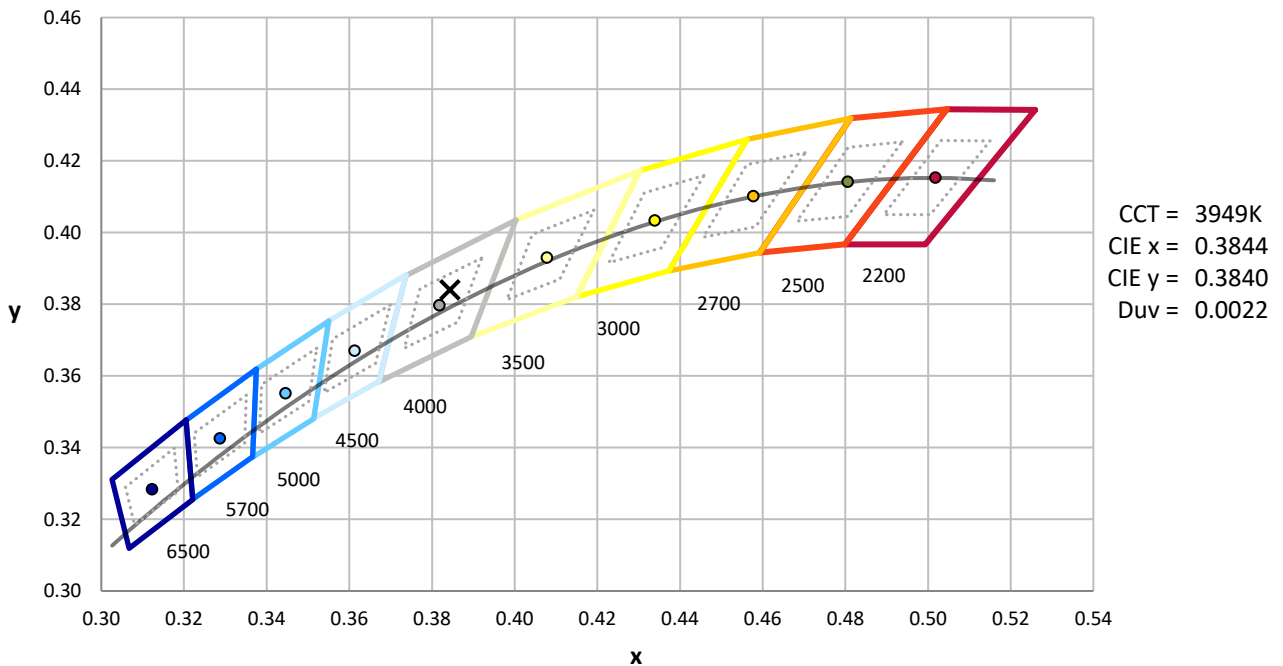
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



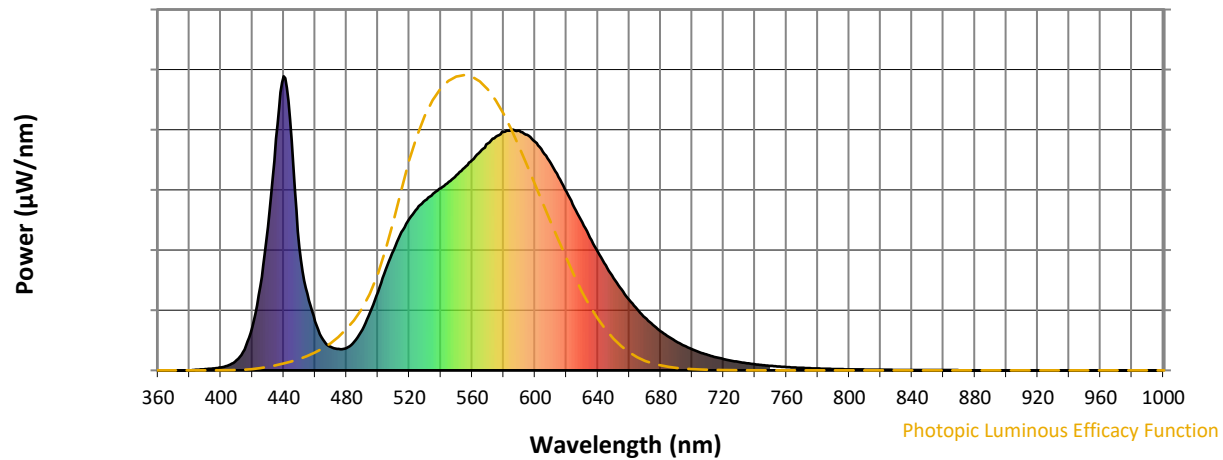
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

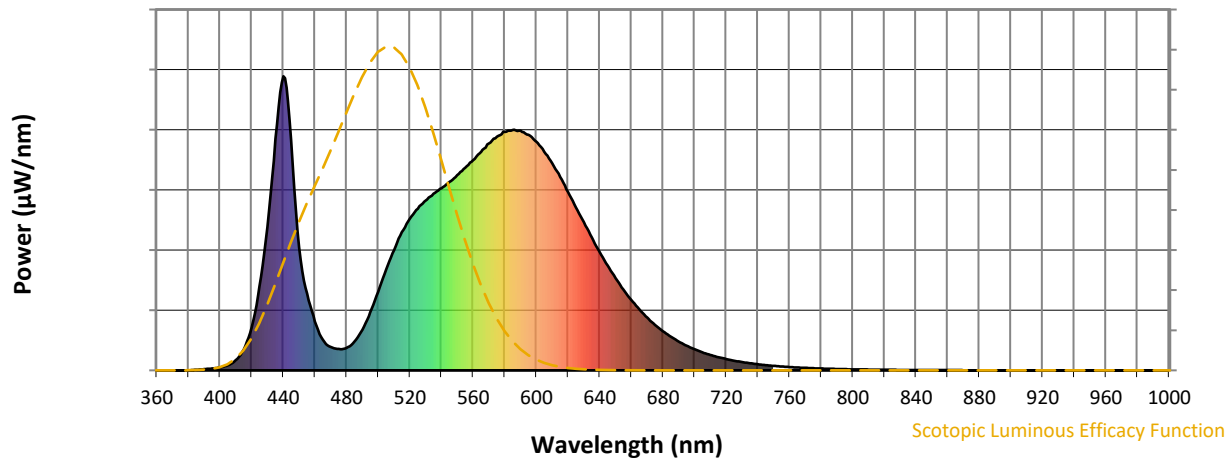


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



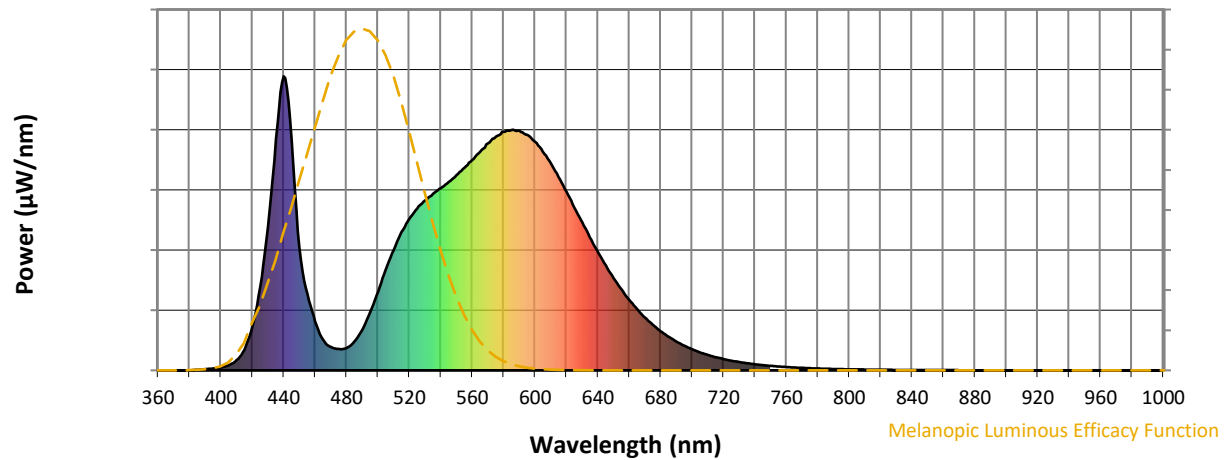
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

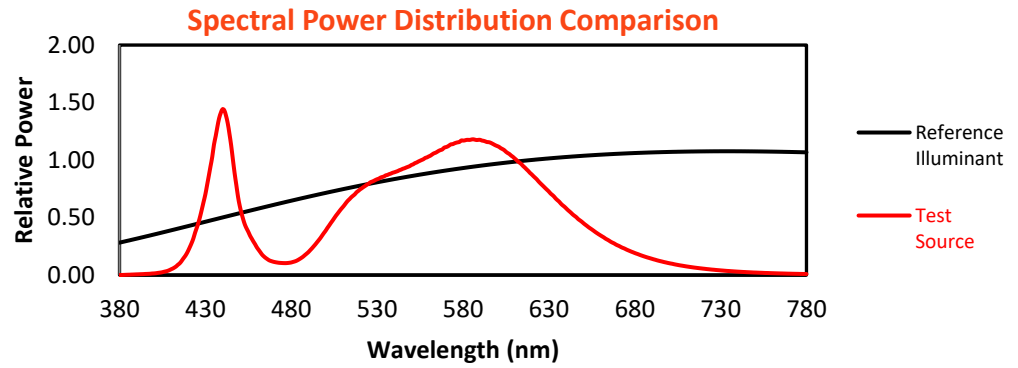
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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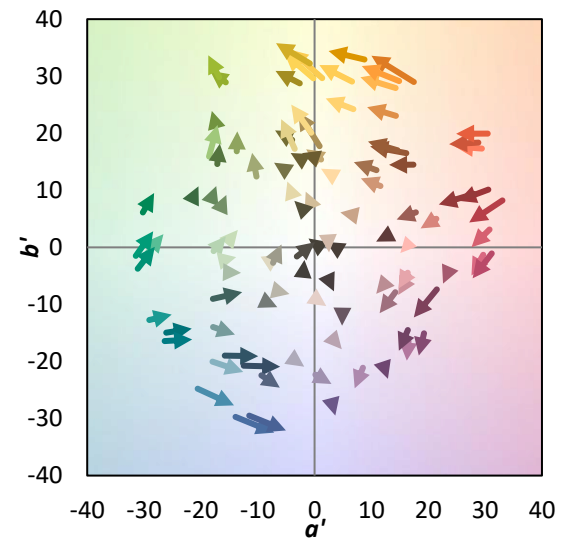
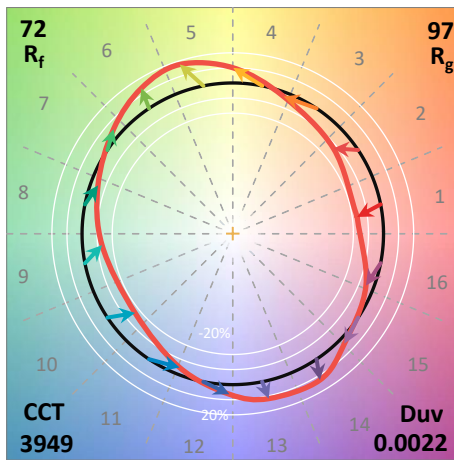
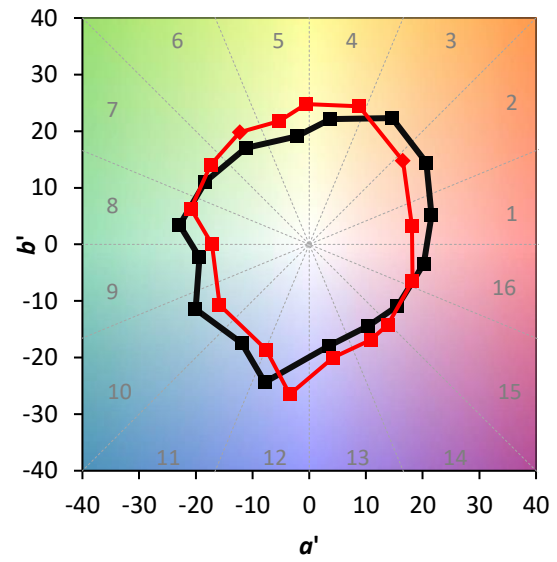
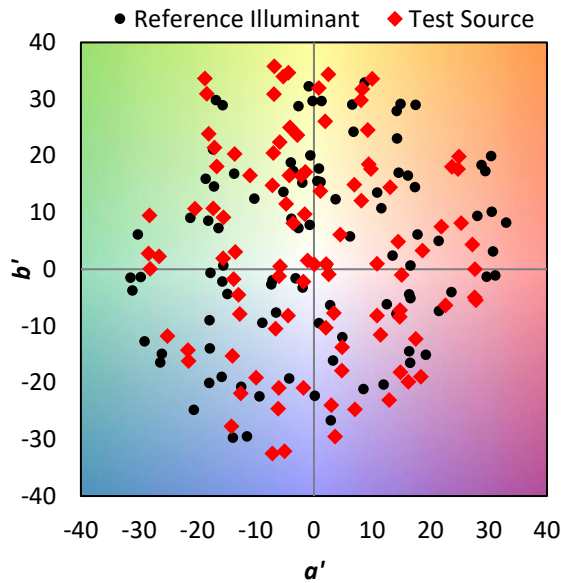
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

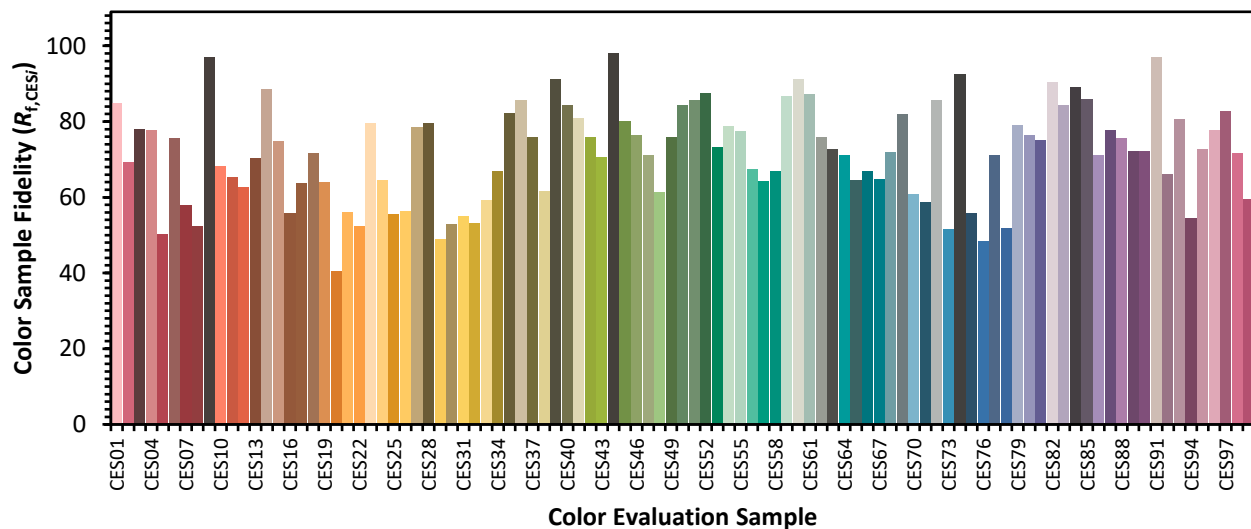


Color Vector Graphics

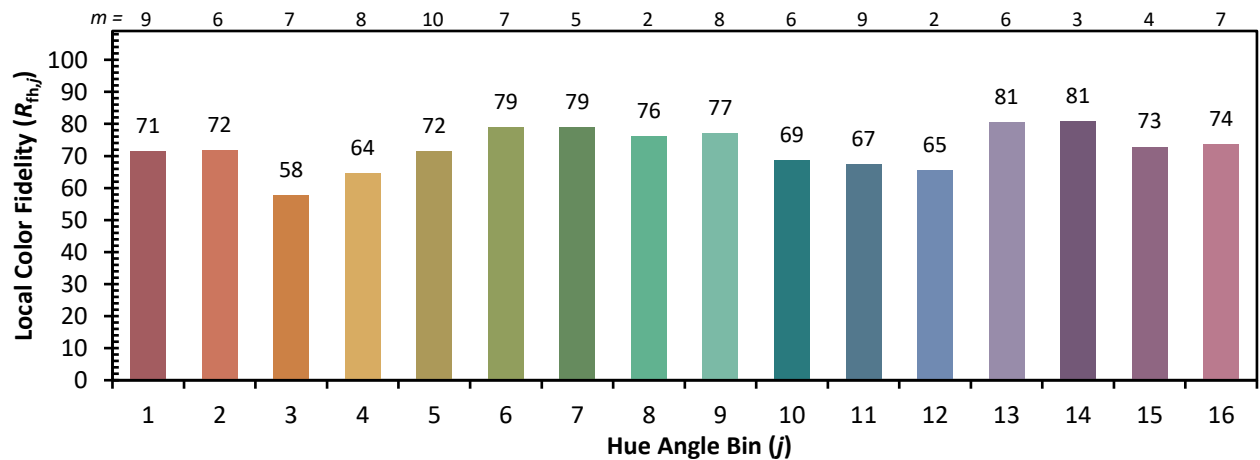
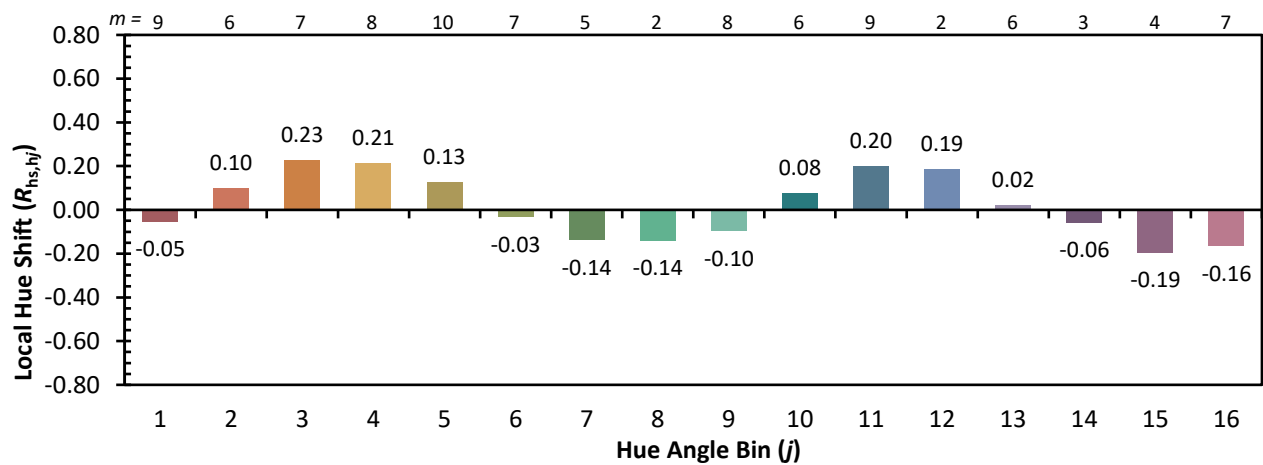
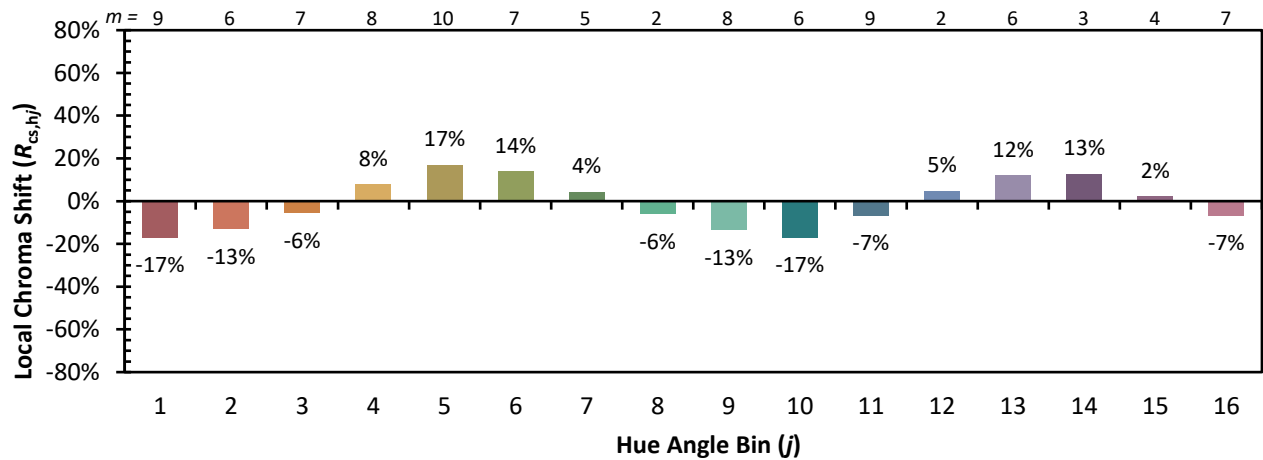


Individual Sample Fidelity Index ($R_{f,i}$)

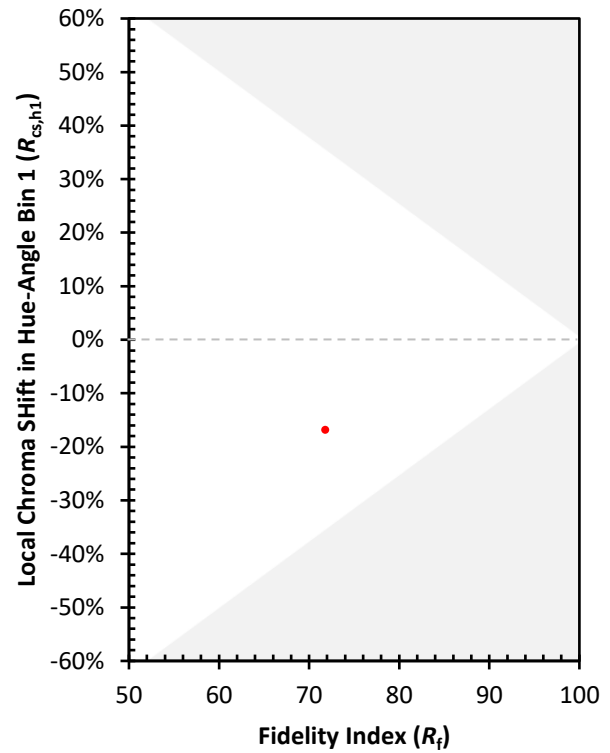
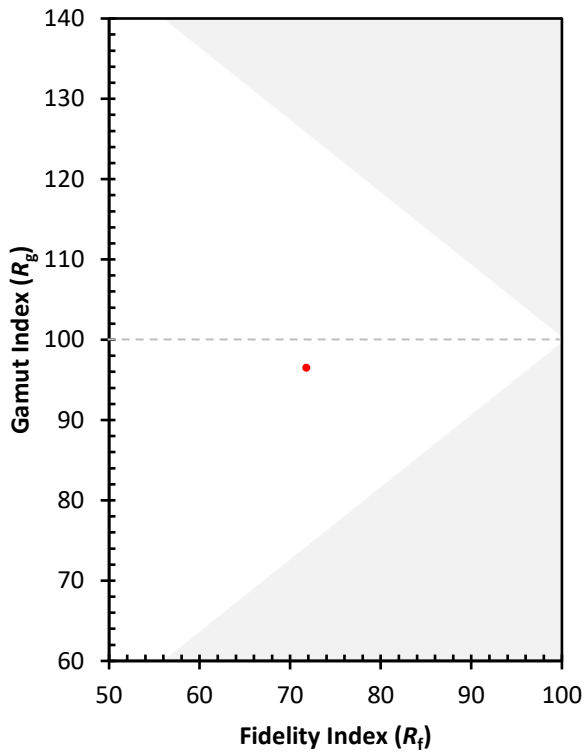
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)