

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: P1063933

Luminaire Tested: **GLAN-SA7A-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1063933
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-722-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (98) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18467.1 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 193.1
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

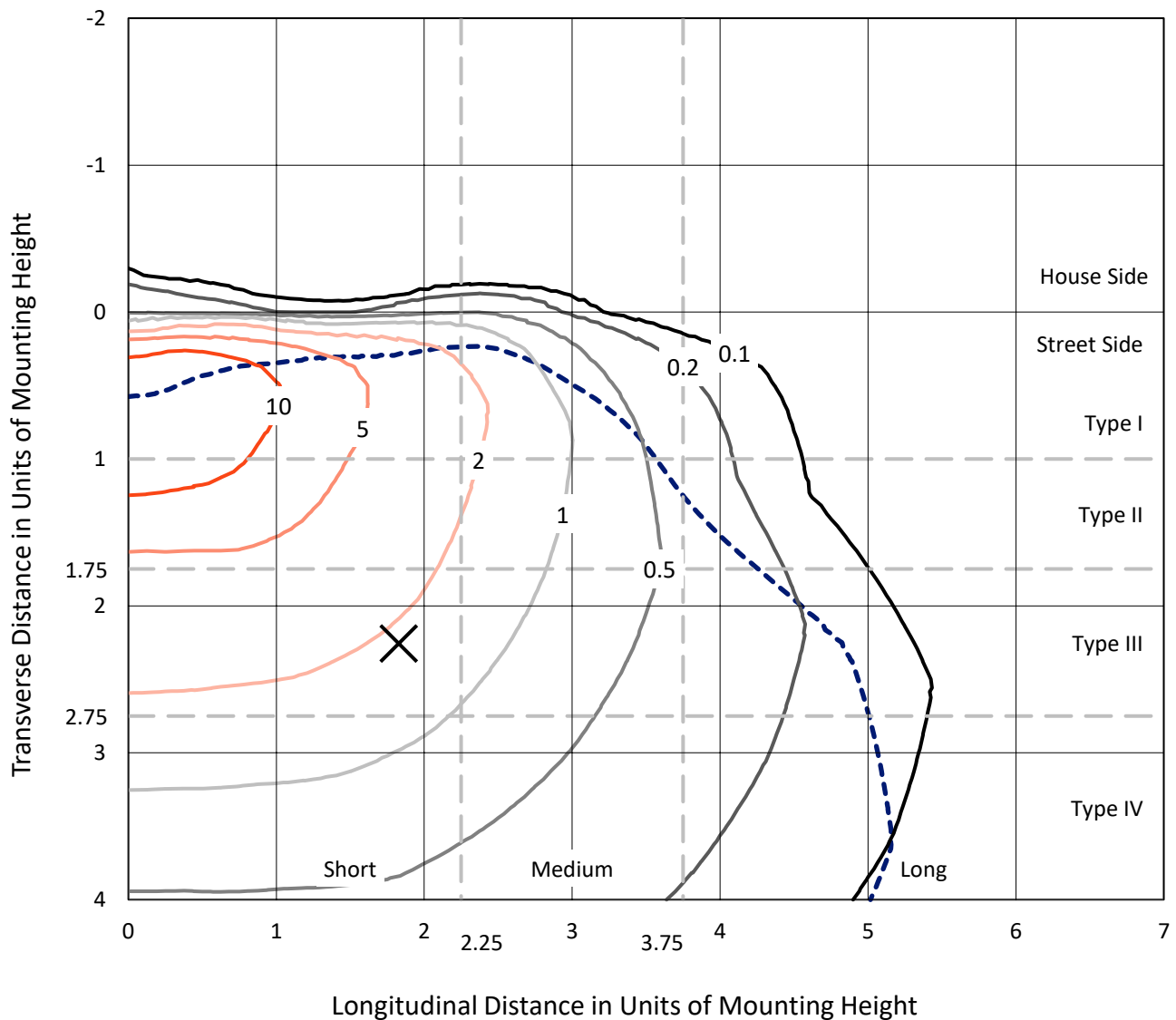


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

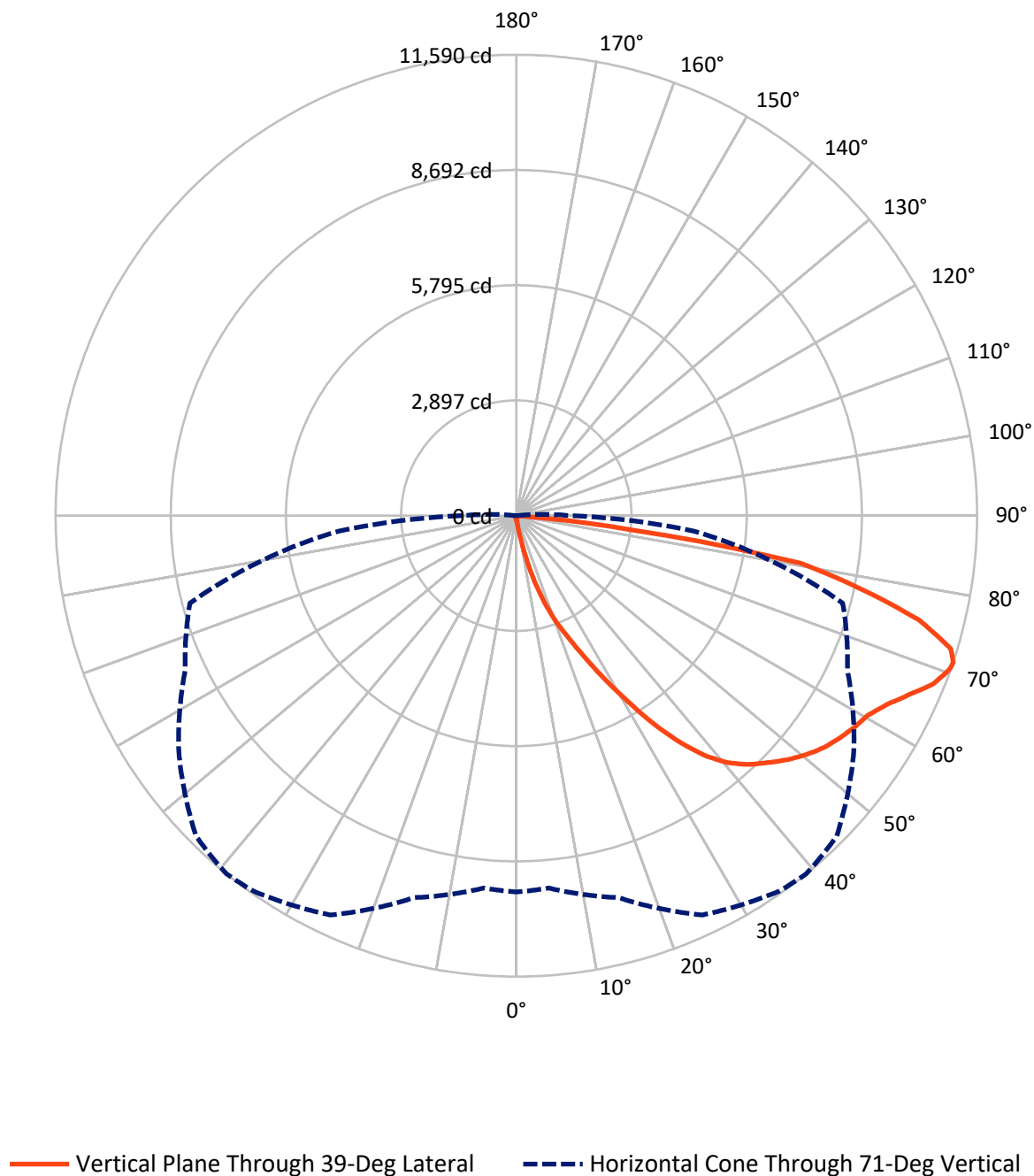


Based on 15 foot mounting height. Maximum calculated value = 19 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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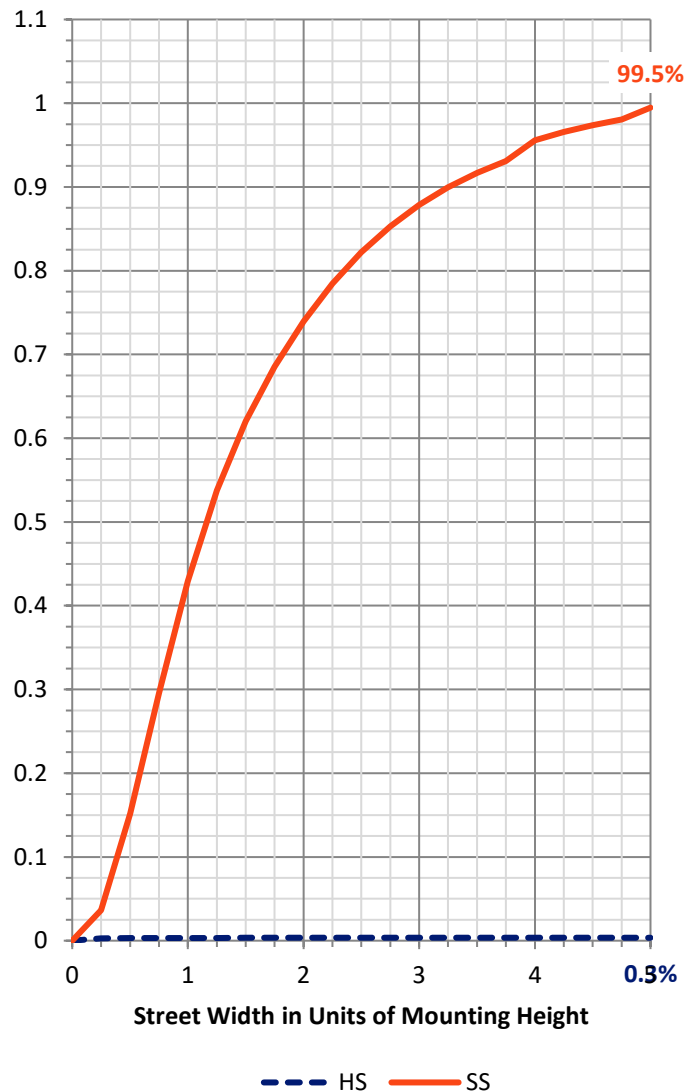
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	65.7	0.0	65.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	18401.4	0.0	18401.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	18467.1	0.0	18467.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.1
10°-20°	197.4	1.1
20°-30°	702.9	3.8
30°-40°	1694.1	9.2
40°-50°	2835.1	15.4
50°-60°	3641.4	19.7
60°-70°	4608.2	25.0
70°-80°	4108.4	22.2
80°-90°	664.1	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°	18467.1	100.0
0°-180°	18467.1	100.0



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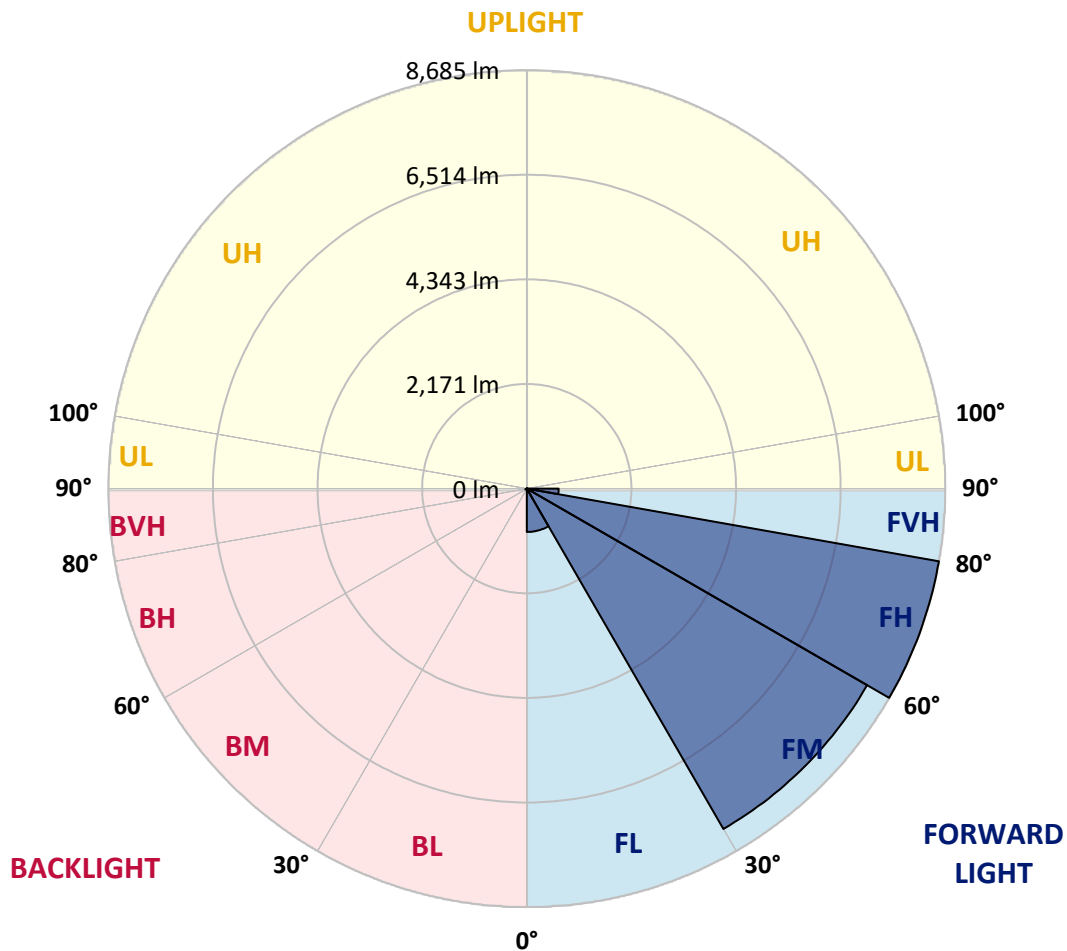
CATALOG NUMBER: GLAN-SA7A-722-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	899.8	4.9			
FM	(30°-60°)	8155.4	44.2			
FH	(60°-80°)	8685.1	47.0			G4/12000
FVH	(80°-90°)	661.1	3.6			G4/750
BL	(0°-30°)	15.9	0.1	B0/110		
BM	(30°-60°)	15.2	0.1	B0/220		
BH	(60°-80°)	31.6	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°	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3
2.5°	116.3	116.3	116.3	112.5	112.5	111.3	110.0	110.0	107.5	106.3	103.8
5°	176.3	172.5	163.8	158.8	148.8	142.5	136.3	127.5	118.8	112.5	105.0
7.5°	398.8	407.5	378.8	325.0	270.0	246.3	206.3	166.3	137.5	118.8	106.3
10°	1016.3	1011.3	913.8	806.3	622.6	548.8	430.0	271.3	177.5	130.0	107.5
12.5°	1728.9	1723.9	1608.9	1462.6	1220.1	1066.4	841.3	506.3	255.0	147.5	107.5
15°	2327.7	2307.7	2271.5	2126.5	1842.7	1713.9	1416.4	895.1	412.5	177.5	110.0
17.5°	2724.0	2706.5	2672.8	2620.2	2440.2	2287.7	2048.9	1406.4	667.6	230.0	115.0
20°	3087.8	3075.3	3047.8	3037.8	2921.5	2840.3	2642.8	1993.9	1040.1	312.5	122.5
22.5°	3587.8	3561.6	3572.8	3512.8	3399.1	3301.6	3180.3	2609.0	1495.1	450.0	136.3
25°	4200.4	4187.9	4156.6	4114.1	3956.6	3871.6	3685.4	3189.1	2003.9	630.1	151.3
27.5°	4940.5	4926.7	4919.2	4821.7	4640.4	4547.9	4287.9	3736.6	2576.5	882.6	171.3
30°	5793.1	5799.3	5750.5	5625.5	5414.3	5284.3	5016.7	4310.4	3162.8	1178.9	192.5
32.5°	6675.6	6663.1	6588.1	6440.6	6251.8	6130.6	5790.6	4939.2	3777.9	1570.1	217.5
35°	7627.0	7603.2	7405.7	7236.9	7075.7	6923.2	6613.1	5669.3	4392.9	2008.9	251.3
37.5°	8587.1	8475.8	8079.5	7865.7	7754.5	7629.5	7340.7	6448.1	5004.2	2499.0	292.5
40°	9312.1	9225.9	8755.8	8362.0	8273.3	8167.0	7952.0	7120.7	5654.3	3025.3	342.5
42.5°	9713.4	9665.9	9243.4	8854.6	8645.8	8552.1	8368.3	7708.2	6296.8	3606.6	415.0
45°	9884.7	9810.9	9528.4	9347.1	9014.6	8859.6	8640.8	8152.0	6968.2	4266.7	516.3
47.5°	9832.2	9789.7	9587.2	9653.4	9412.1	9170.9	8849.6	8492.1	7542.0	5024.2	655.1
50°	9502.2	9465.9	9403.4	9762.2	9732.2	9447.1	9119.6	8760.8	8010.8	5805.6	870.1
52.5°	8874.6	8859.6	9019.6	9677.2	9913.4	9690.9	9379.6	8998.4	8448.3	6621.9	1177.6
55°	8065.8	8127.0	8584.6	9544.7	10006.0	9870.9	9609.7	9220.9	8799.6	7351.9	1631.4
57.5°	7733.2	7749.5	8320.8	9450.9	10047.2	10029.7	9833.4	9433.4	9122.1	7935.8	2324.0
60°	8122.0	8097.0	8398.3	9522.2	10129.7	10172.2	10032.2	9630.9	9402.1	8437.1	3246.6
62.5°	8824.6	8810.8	8907.1	9825.9	10371.0	10457.2	10308.5	9773.4	9649.7	8767.1	4299.2
65°	9452.1	9423.4	9602.2	10364.7	10794.8	10856.0	10726.0	10017.2	9758.4	9007.1	5288.0
67.5°	9723.4	9717.2	10004.7	10877.3	11239.8	11306.1	11192.3	10353.5	9733.4	9083.4	5724.3
70°	9599.7	9575.9	10036.0	11094.8	11491.1	11566.1	11456.1	10478.5	9462.1	8842.1	5078.0
71°	9463.4	9399.6	9942.2	11079.8	11526.1	11589.9	11397.3	10364.7	9189.6	8499.6	4491.7
72.5°	9040.9	9052.1	9684.7	10923.5	11442.3	11423.6	11064.8	9957.2	8860.8	7722.0	3607.8
75°	8000.8	8067.0	8850.8	10267.2	10694.8	10456.0	9907.2	9178.4	8200.8	5536.8	2505.2
77.5°	6538.1	6636.9	7498.2	9004.6	8883.3	8859.6	8837.1	8087.0	7003.2	2974.0	1742.7
80°	3121.5	3335.3	4522.9	6428.1	6983.2	7251.9	7083.2	6516.9	5415.5	1416.4	1041.3
82.5°	203.8	201.3	285.0	540.1	2276.5	2942.8	4675.4	4657.9	3775.4	690.1	425.0
85°	96.3	98.8	108.8	123.8	143.8	157.5	217.5	1275.1	1806.4	328.8	92.5
87.5°	56.3	57.5	67.5	86.3	112.5	125.0	148.8	191.3	235.0	181.3	20.0
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°	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3	101.3
2.5°	102.5	101.3	97.5	93.8	90.0	87.5	86.3	87.5	87.5	88.8	88.8
5°	102.5	98.8	92.5	85.0	80.0	75.0	72.5	71.3	72.5	72.5	72.5
7.5°	101.3	95.0	86.3	77.5	71.3	65.0	62.5	61.3	61.3	62.5	62.5
10°	98.8	92.5	81.3	71.3	63.8	56.3	52.5	48.8	48.8	48.8	50.0
12.5°	97.5	88.8	75.0	65.0	55.0	46.3	38.8	35.0	36.3	36.3	36.3
15°	95.0	85.0	71.3	58.8	46.3	35.0	28.8	25.0	26.3	27.5	26.3
17.5°	95.0	83.8	66.3	51.3	36.3	26.3	21.3	18.8	18.8	20.0	20.0
20°	95.0	81.3	62.5	43.8	27.5	20.0	15.0	13.8	13.8	16.3	17.5
22.5°	97.5	81.3	57.5	36.3	22.5	15.0	11.3	10.0	11.3	13.8	15.0
25°	101.3	80.0	52.5	32.5	18.8	11.3	8.8	6.3	7.5	10.0	11.3
27.5°	105.0	78.8	47.5	28.8	15.0	8.8	6.3	5.0	3.8	5.0	5.0
30°	108.8	78.8	42.5	23.8	12.5	6.3	3.8	2.5	1.3	0.0	0.0
32.5°	111.3	76.3	38.8	18.8	10.0	5.0	2.5	1.3	0.0	0.0	0.0
35°	113.8	73.8	33.8	15.0	7.5	3.8	1.3	0.0	0.0	0.0	0.0
37.5°	116.3	70.0	28.8	12.5	6.3	2.5	0.0	0.0	0.0	0.0	0.0
40°	118.8	65.0	23.8	11.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	121.3	61.3	20.0	8.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0
45°	127.5	58.8	16.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	138.8	56.3	15.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	155.0	53.8	13.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	177.5	52.5	12.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	217.5	51.3	11.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	286.3	50.0	11.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	438.8	47.5	11.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	783.8	46.3	10.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1366.4	47.5	10.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1958.9	50.0	8.8	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	1676.4	43.8	8.8	5.0	2.5	1.3	0.0	0.0	0.0	0.0	0.0
71°	1366.4	38.8	8.8	5.0	2.5	1.3	1.3	0.0	0.0	0.0	0.0
72.5°	878.8	30.0	7.5	5.0	2.5	2.5	1.3	0.0	0.0	0.0	0.0
75°	371.3	25.0	7.5	5.0	3.8	2.5	2.5	1.3	0.0	0.0	0.0
77.5°	158.8	18.8	7.5	6.3	5.0	3.8	3.8	2.5	1.3	0.0	0.0
80°	60.0	15.0	8.8	7.5	6.3	6.3	5.0	2.5	1.3	0.0	0.0
82.5°	27.5	12.5	8.8	7.5	7.5	6.3	5.0	3.8	2.5	0.0	0.0
85°	17.5	11.3	8.8	7.5	7.5	6.3	6.3	3.8	2.5	0.0	0.0
87.5°	13.8	11.3	8.8	8.8	7.5	7.5	5.0	3.8	1.3	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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

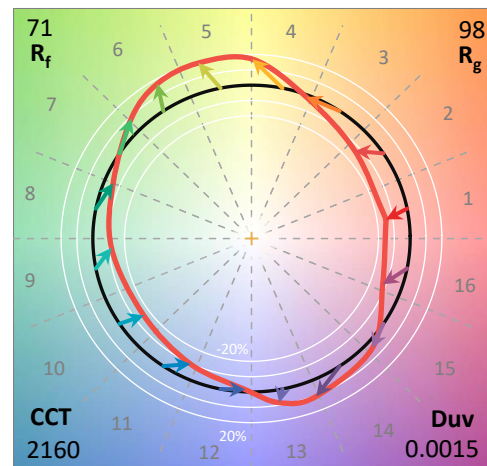
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

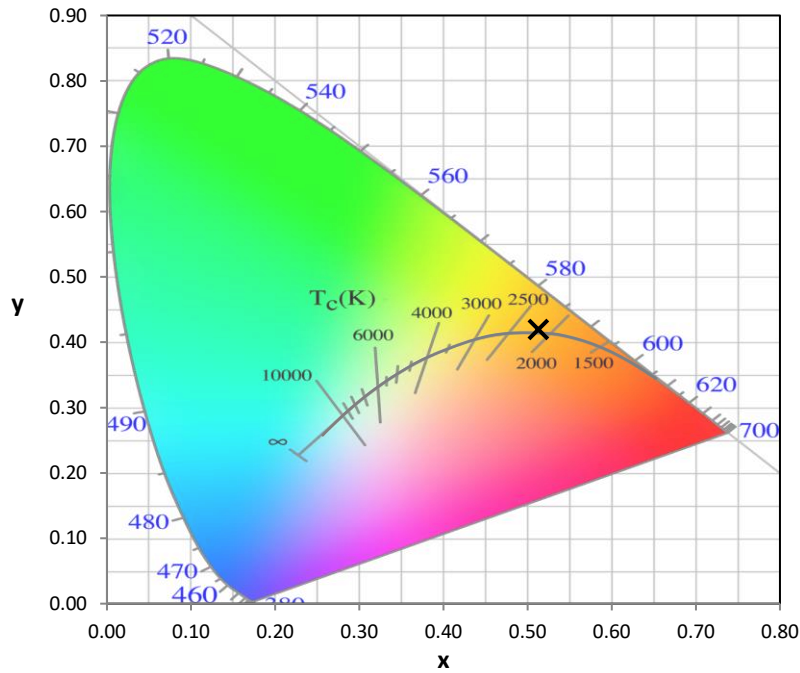
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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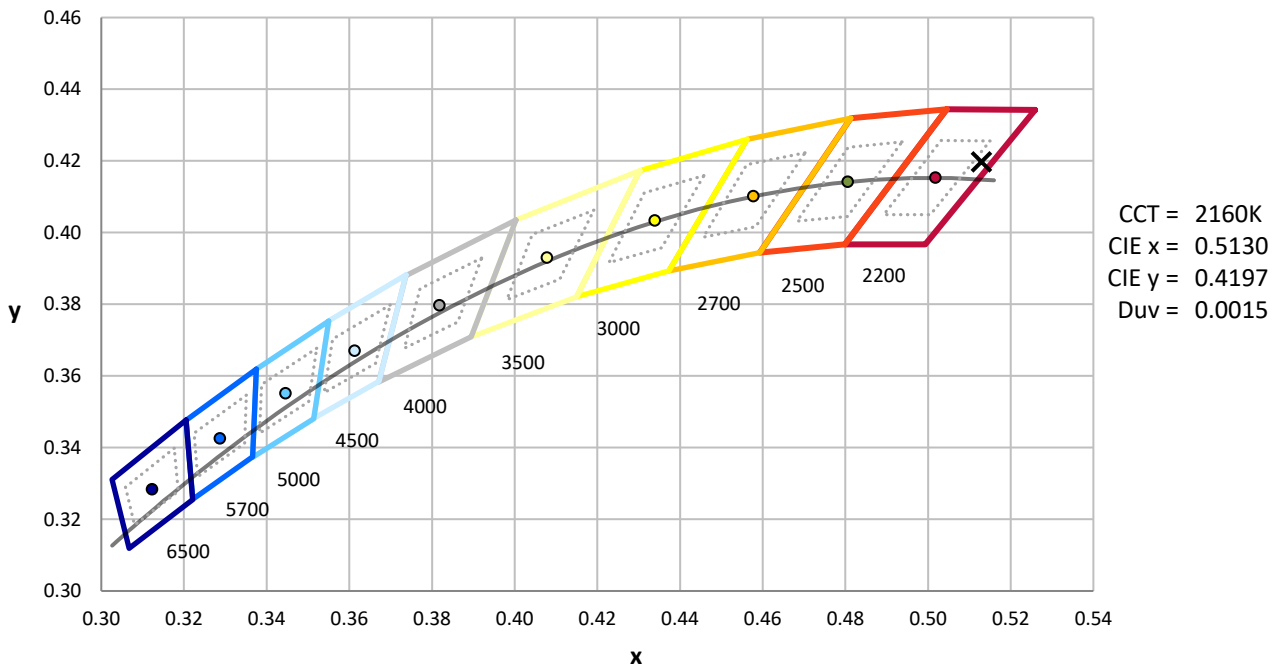
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



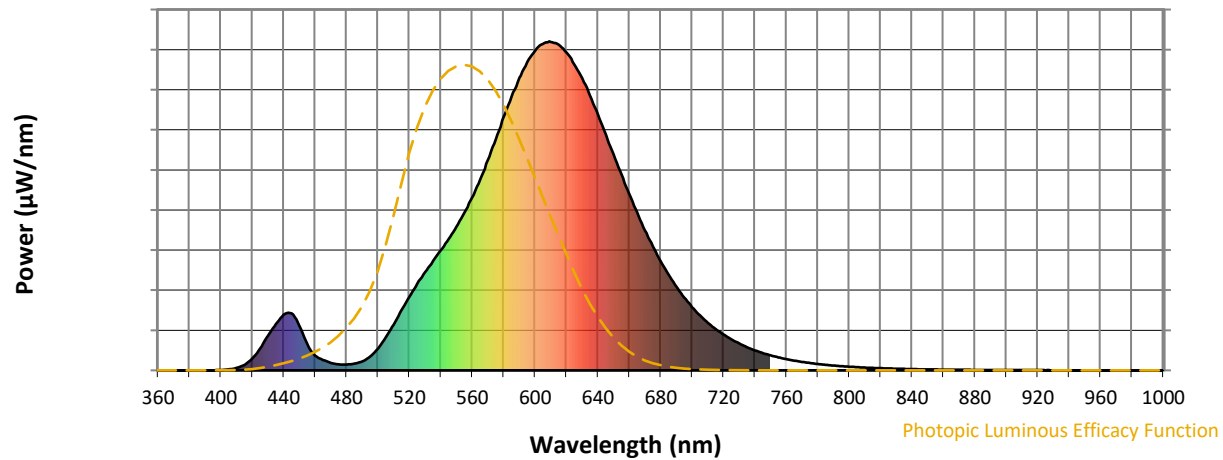
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

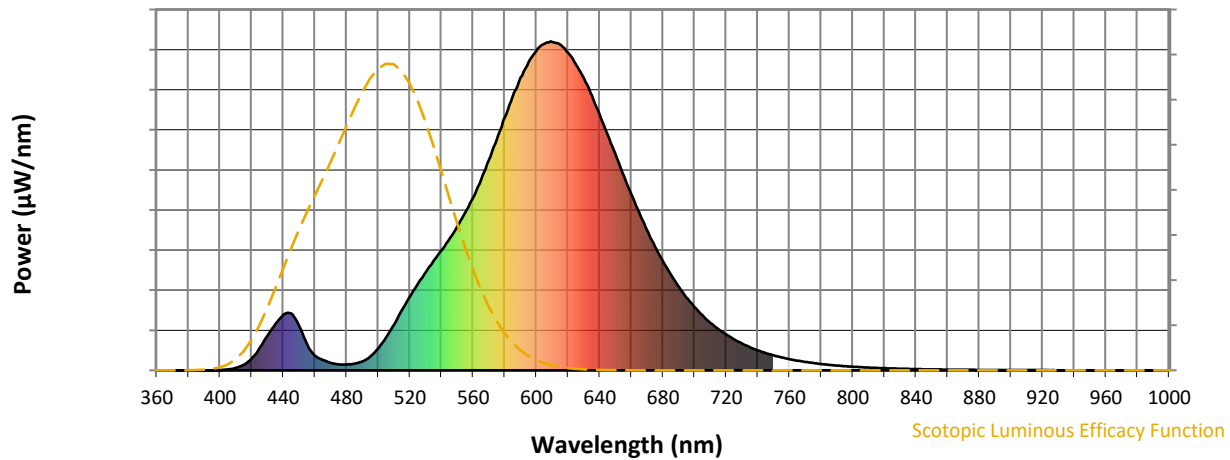


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



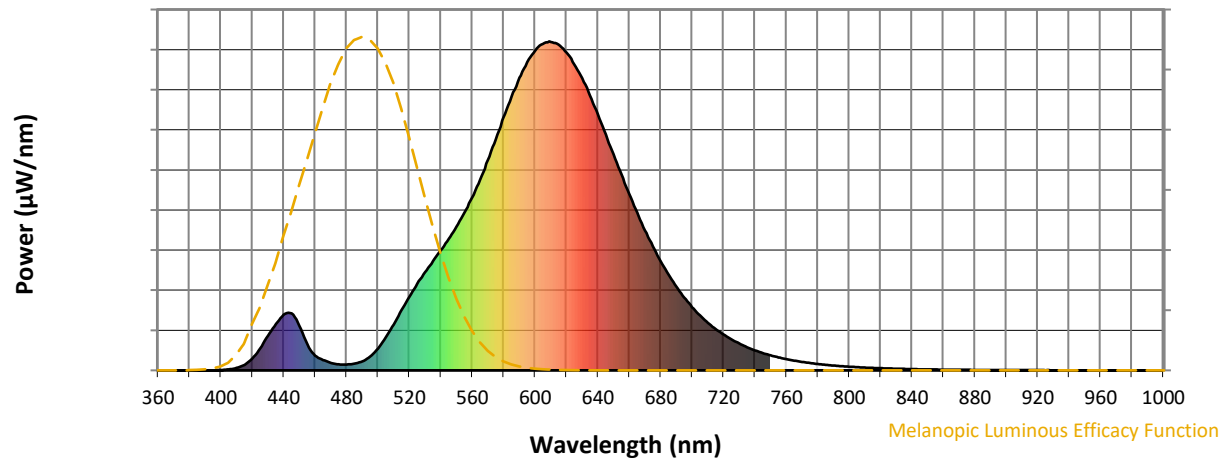
Scotopic Lumens: NR

S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.21

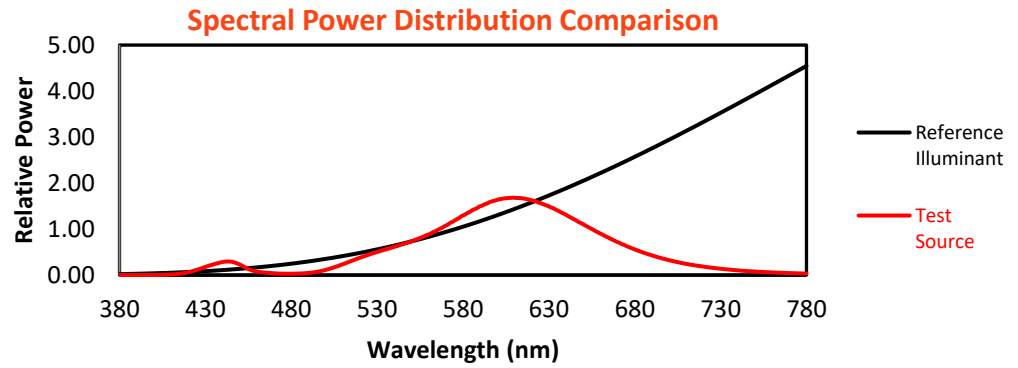
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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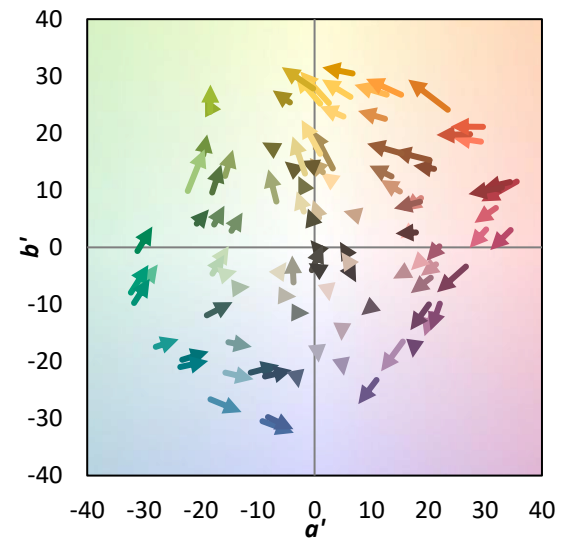
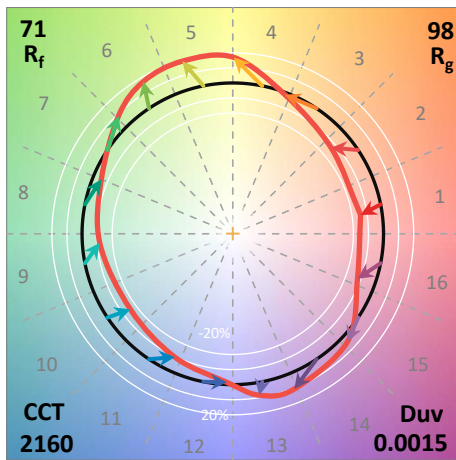
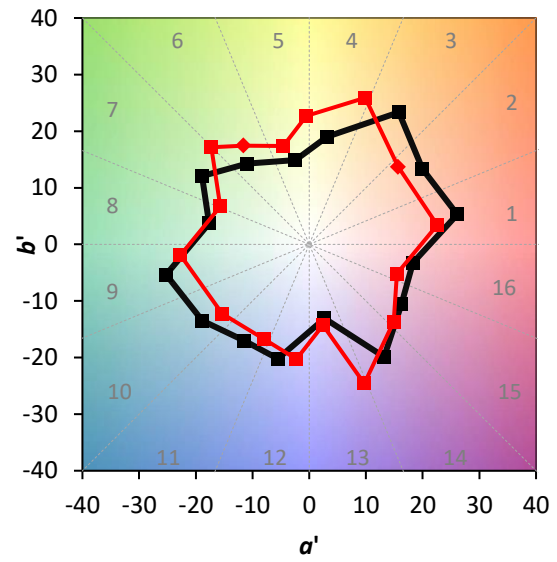
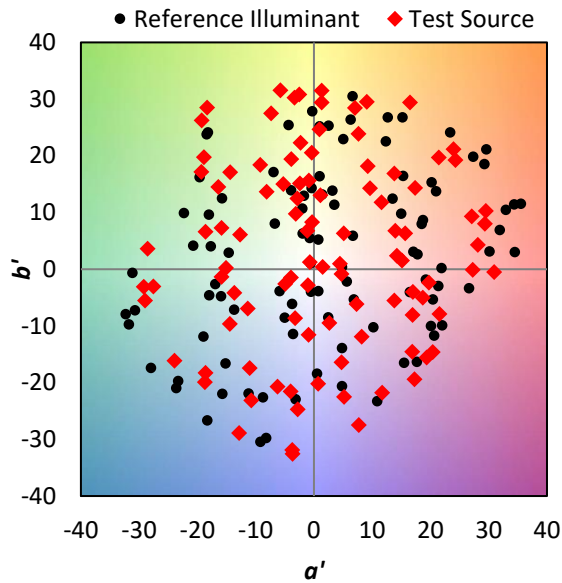
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE\ R_a = 71.9$
 $R_g = -17.8$

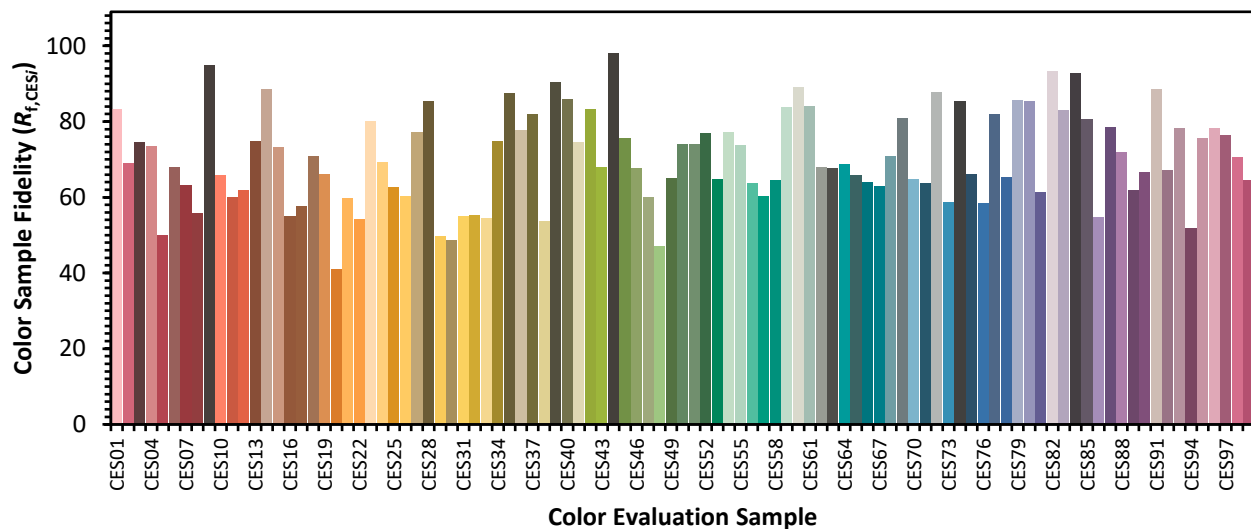


Color Vector Graphics

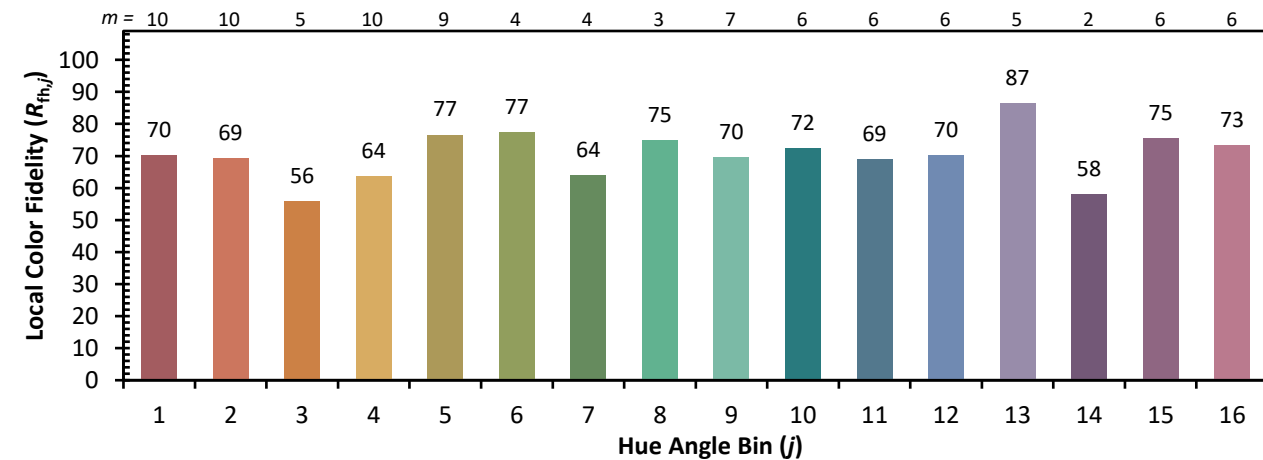
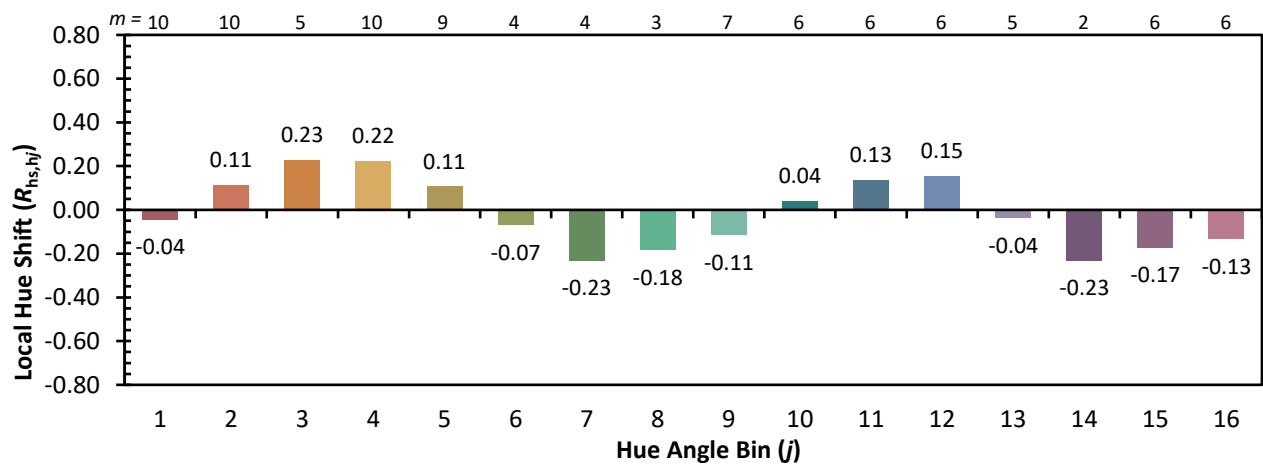
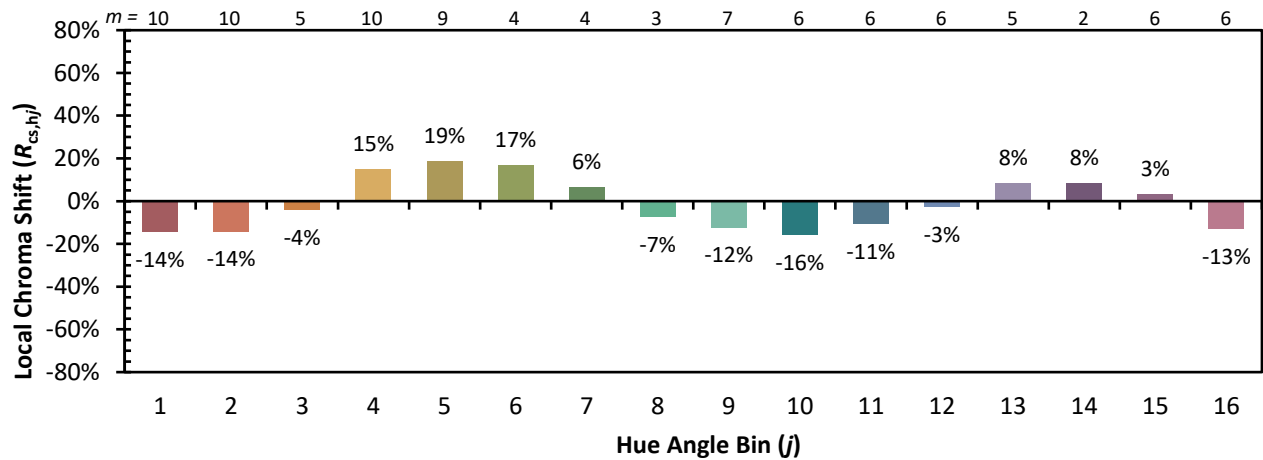


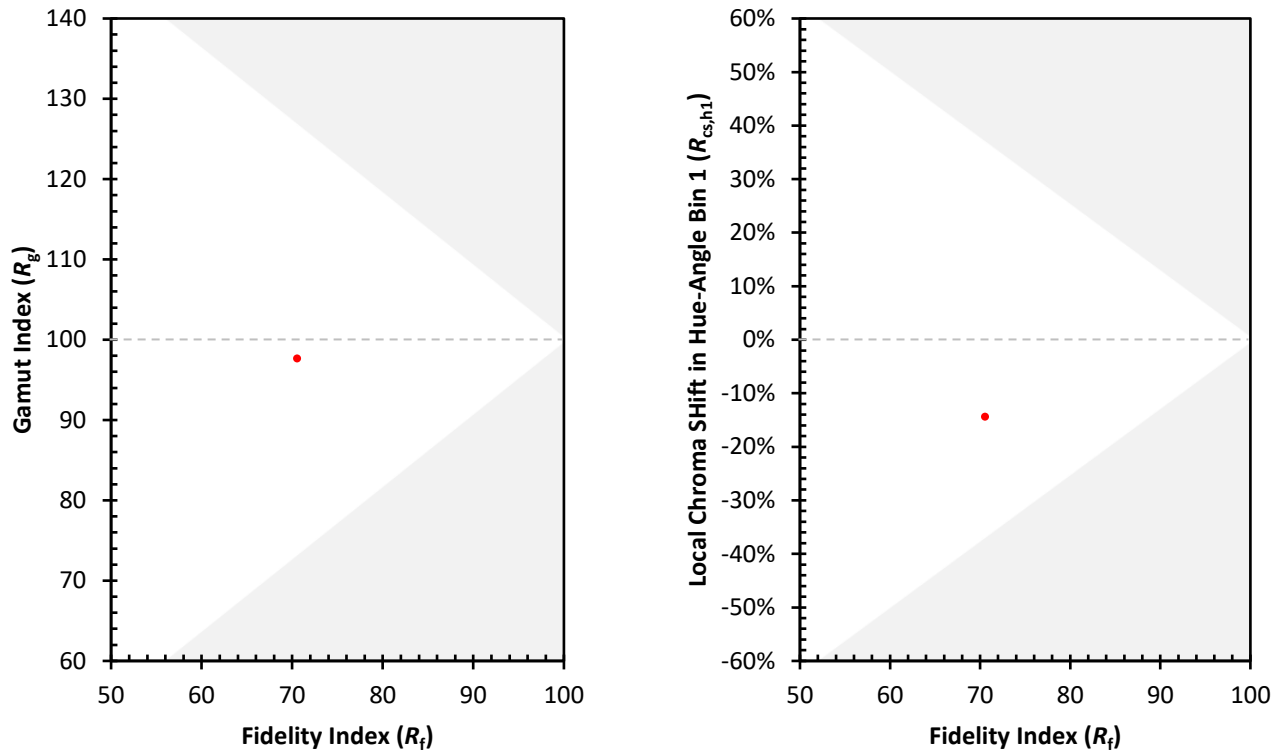
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)