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: P1361486

Luminaire Tested: **GSS-SB2D-727-U-5MQ**

Issue Date: 02/18/2026

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1361486
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2D-727-U-5MQ
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 147W 70CRI 2700K FIXTURE w/ TYPE V SQUARE MEDIUM DISTRIBUTION OPTIC
Light Source:	(52) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17810.9 lumens
Efficiency:	N/A
Efficacy:	121.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

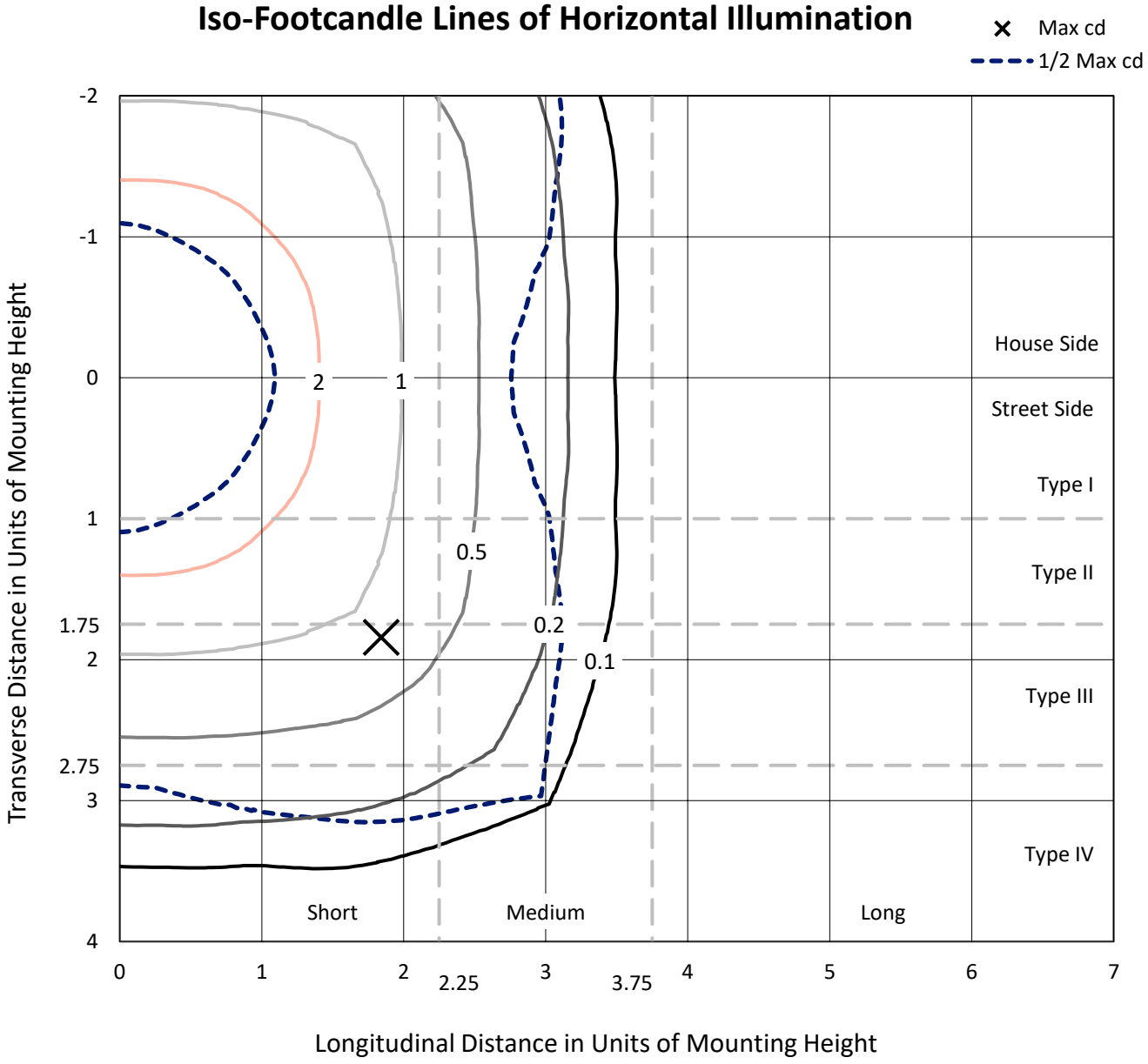
Input Watts (W):	147
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	3.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Scaled Data Report

REPORT NUMBER: P1361486
CATALOG NUMBER: GSS-SB2D-727-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination



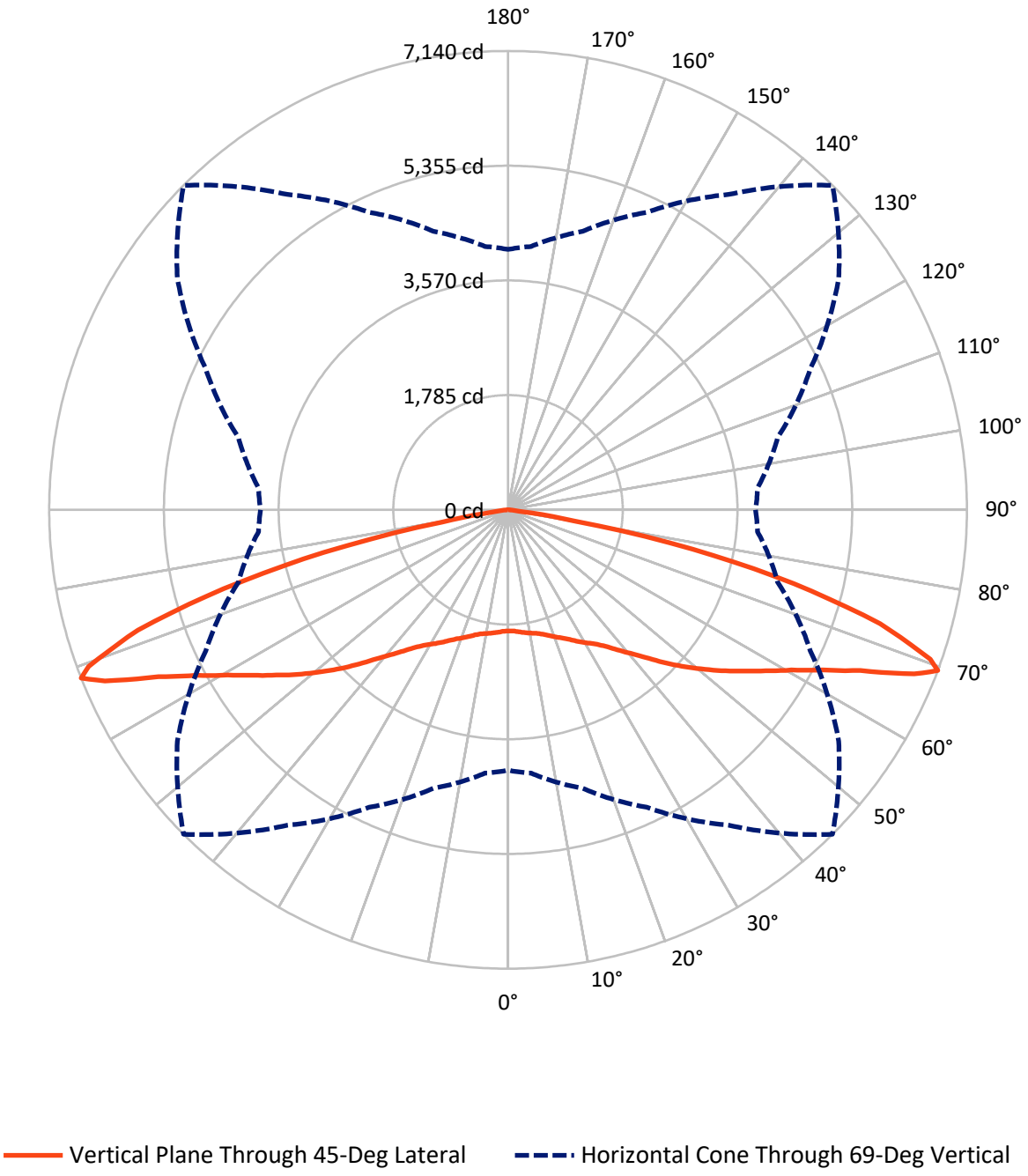
Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
Type V - Short - N/A

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REPORT NUMBER: P1361486
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Luminous Intensity Polar Plot



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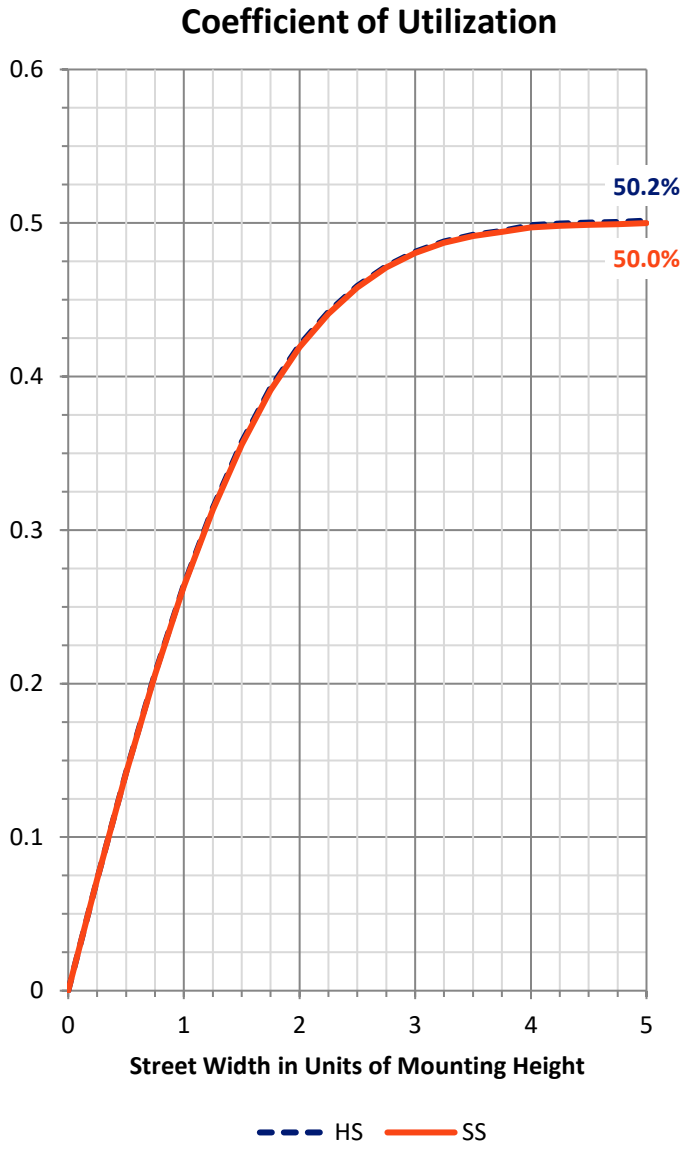
REPORT NUMBER: P1361486
CATALOG NUMBER: GSS-SB2D-727-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8905.4	0.0	8905.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8905.4	0.0	8905.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	17810.9	0.0	17810.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	1.0
10°-20°	570.1	3.2
20°-30°	1022.9	5.7
30°-40°	1646.6	9.2
40°-50°	2628.2	14.8
50°-60°	3894.5	21.9
60°-70°	5001.2	28.1
70°-80°	2770.2	15.6
80°-90°	93.5	0.5
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°	17810.9	100.0
0°-180°	17810.9	100.0



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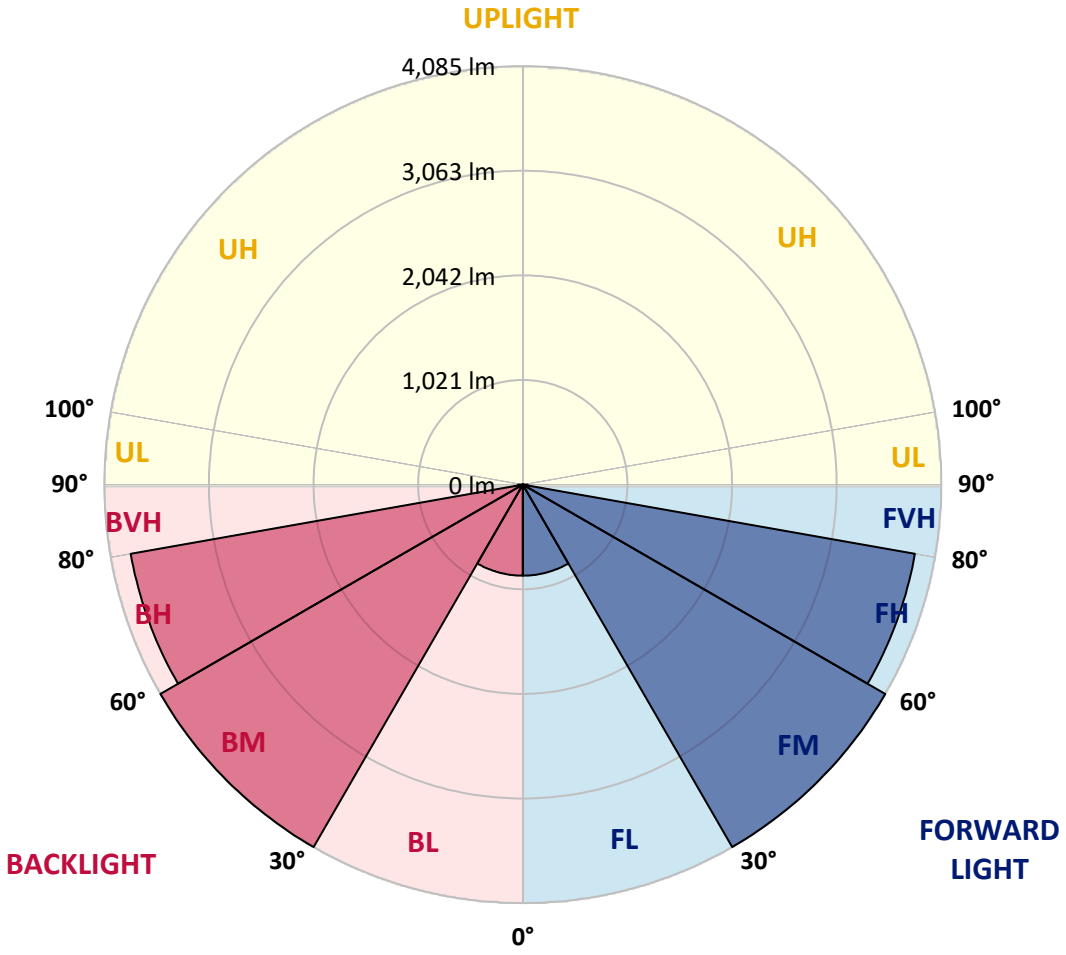
Scaled Data Report

REPORT NUMBER: P1361486
CATALOG NUMBER: GSS-SB2D-727-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	888.3	5.0			
FM	(30°-60°)	4084.6	22.9			
FH	(60°-80°)	3885.7	21.8			G2/5000
FVH	(80°-90°)	46.8	0.3			G1/100
BL	(0°-30°)	888.3	5.0	B2/1000		
BM	(30°-60°)	4084.6	22.9	B3/5000		
BH	(60°-80°)	3885.7	21.8	B4/5000		G2/5000
BVH	(80°-90°)	46.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1885.1	1885.1	1885.1	1885.1	1885.1	1885.1	1885.1	1885.1	1885.1	1885.1	1885.1
2.5°	1905.5	1897.4	1897.4	1893.3	1889.2	1889.2	1893.3	1889.2	1897.4	1893.3	1893.3
5°	1917.8	1909.6	1909.6	1913.7	1905.5	1909.6	1913.7	1905.5	1917.8	1909.6	1909.6
7.5°	1934.2	1930.1	1926.0	1934.2	1930.1	1930.1	1938.3	1930.1	1938.3	1926.0	1921.9
10°	1958.7	1946.4	1946.4	1950.5	1946.4	1950.5	1958.7	1950.5	1950.5	1942.3	1942.3
12.5°	1975.1	1971.0	1966.9	1971.0	1971.0	1971.0	1975.1	1966.9	1971.0	1966.9	1962.8
15°	1999.6	1995.5	1995.5	1995.5	1999.6	2007.8	2003.7	1991.4	1995.5	1987.3	1987.3
17.5°	2036.4	2028.2	2032.3	2036.4	2044.6	2056.8	2044.6	2028.2	2028.2	2020.0	2015.9
20°	2077.3	2073.2	2077.3	2085.5	2093.6	2110.0	2093.6	2077.3	2069.1	2060.9	2052.7
22.5°	2122.3	2118.2	2130.4	2138.6	2146.8	2167.2	2150.9	2134.5	2114.1	2105.9	2101.8
25°	2171.3	2167.2	2179.5	2204.0	2224.5	2236.8	2220.4	2191.8	2175.4	2159.1	2150.9
27.5°	2224.5	2224.5	2244.9	2269.5	2298.1	2318.5	2302.2	2265.4	2232.7	2216.3	2212.2
30°	2306.3	2306.3	2326.7	2359.4	2384.0	2400.3	2384.0	2355.3	2322.6	2306.3	2302.2
32.5°	2416.7	2416.7	2441.2	2465.8	2478.0	2486.2	2482.1	2469.8	2441.2	2416.7	2408.5
35°	2547.5	2551.6	2580.2	2600.7	2613.0	2604.8	2613.0	2604.8	2580.2	2559.8	2555.7
37.5°	2715.2	2715.2	2743.8	2764.3	2756.1	2764.3	2764.3	2768.3	2756.1	2727.5	2715.2
40°	2899.2	2903.3	2936.0	2948.3	2944.2	2936.0	2948.3	2960.5	2944.2	2915.6	2907.4
42.5°	3103.7	3111.8	3136.4	3160.9	3152.7	3140.5	3165.0	3173.2	3144.5	3120.0	3120.0
45°	3316.3	3316.3	3353.1	3398.1	3402.2	3381.7	3398.1	3402.2	3365.4	3332.6	3320.4
47.5°	3533.0	3541.2	3590.3	3639.3	3655.7	3635.2	3647.5	3651.6	3590.3	3557.6	3537.1
50°	3749.7	3762.0	3827.4	3905.1	3921.5	3888.8	3913.3	3896.9	3831.5	3762.0	3745.7
52.5°	3925.6	3954.2	4052.3	4158.7	4203.6	4158.7	4191.4	4162.7	4052.3	3962.4	3933.8
55°	4121.9	4142.3	4269.1	4408.1	4469.4	4428.5	4461.3	4412.2	4256.8	4146.4	4117.8
57.5°	4314.0	4322.2	4465.3	4661.6	4759.8	4727.0	4731.1	4637.1	4469.4	4326.3	4285.4
60°	4465.3	4489.9	4673.9	4902.9	5058.3	5062.4	5025.6	4882.4	4686.2	4522.6	4489.9
62.5°	4269.1	4322.2	4653.4	5140.0	5393.6	5487.6	5377.2	5156.4	4731.1	4436.7	4387.6
65°	4138.2	4170.9	4420.4	5013.3	5794.3	6027.4	5806.6	5123.7	4575.7	4342.7	4297.7
67.5°	4224.1	4265.0	4543.0	5001.0	5888.4	6816.6	6064.2	5230.0	4669.8	4305.9	4260.9
69°	4052.3	4113.7	4485.8	5107.3	5990.6	7139.6	6280.9	5189.1	4342.7	3896.9	3852.0
70°	3856.1	3909.2	4310.0	5050.1	6137.8	6967.9	6366.8	4939.7	4023.7	3598.4	3557.6
72.5°	3005.5	3062.8	3533.0	4461.3	5822.9	6056.0	5557.1	4125.9	3336.7	2956.4	2911.5
75°	993.7	1095.9	1541.6	2784.7	3745.7	4592.1	3590.3	2772.4	1791.0	1353.5	1218.6
77.5°	212.6	229.0	400.7	715.6	1553.9	2940.1	1746.1	682.9	368.0	257.6	233.1
80°	114.5	122.7	167.7	208.5	384.4	1050.9	335.3	184.0	175.8	126.8	118.6
82.5°	73.6	73.6	94.1	114.5	147.2	196.3	130.9	110.4	98.1	69.5	69.5
85°	40.9	40.9	45.0	57.2	57.2	61.3	57.2	53.2	45.0	40.9	36.8
87.5°	24.5	28.6	28.6	24.5	24.5	24.5	24.5	24.5	24.5	28.6	24.5
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

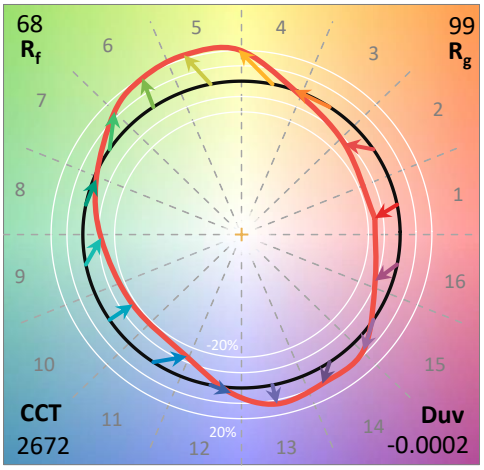
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

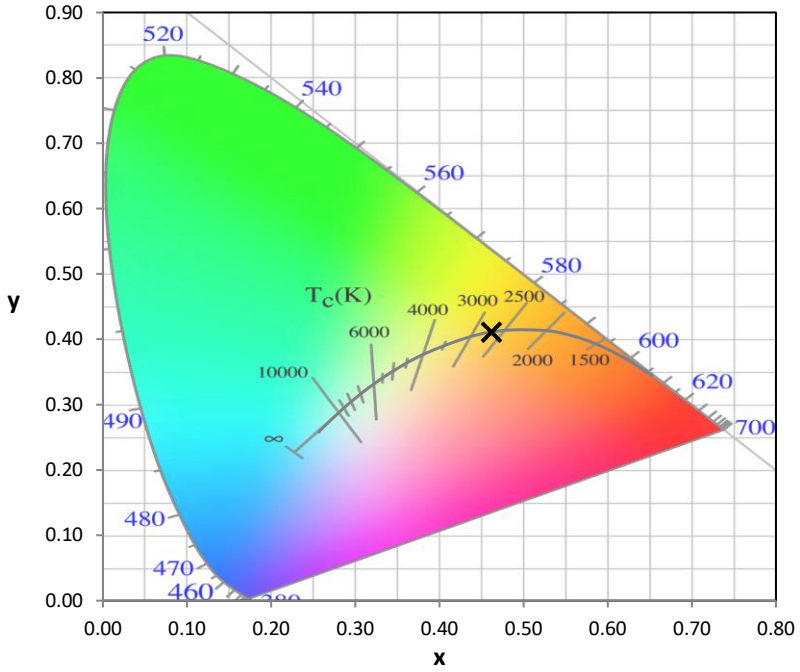
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

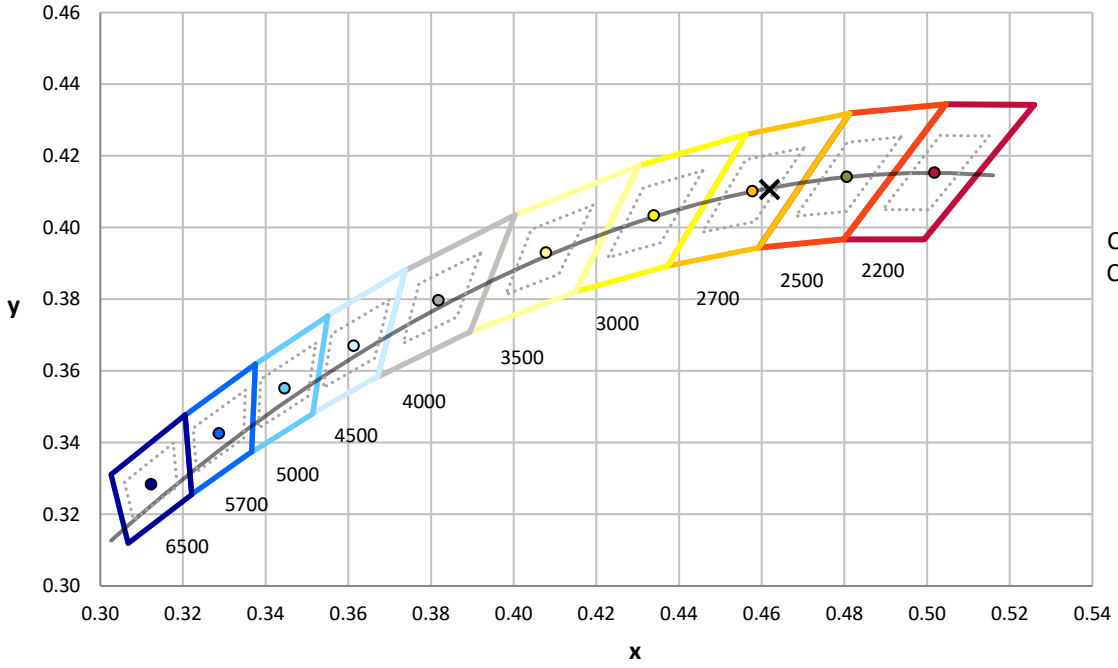
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

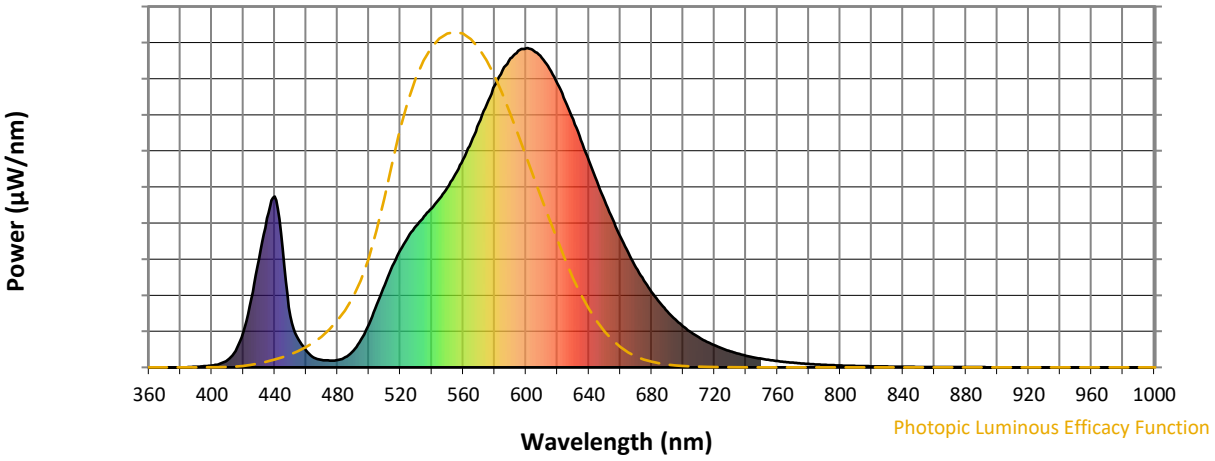


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

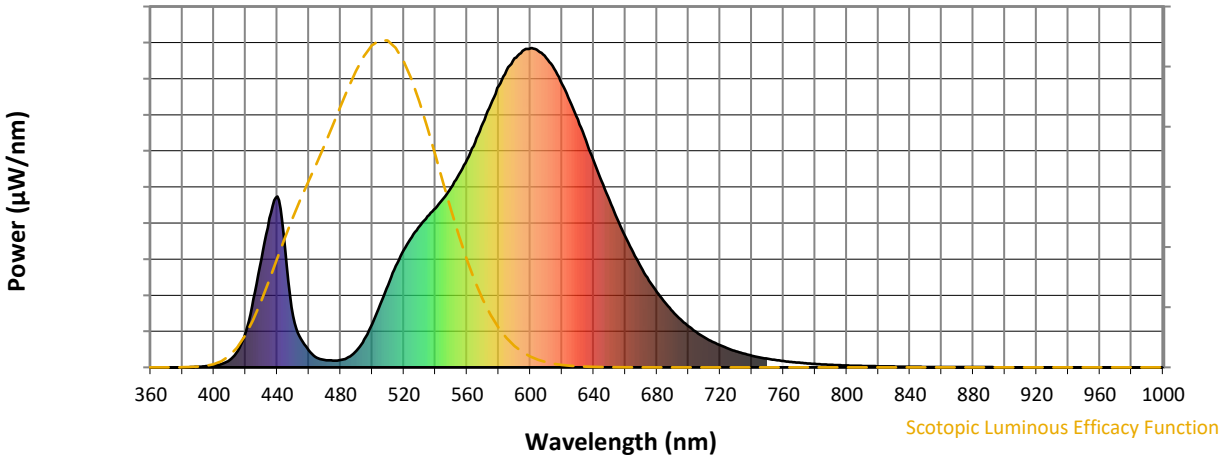


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

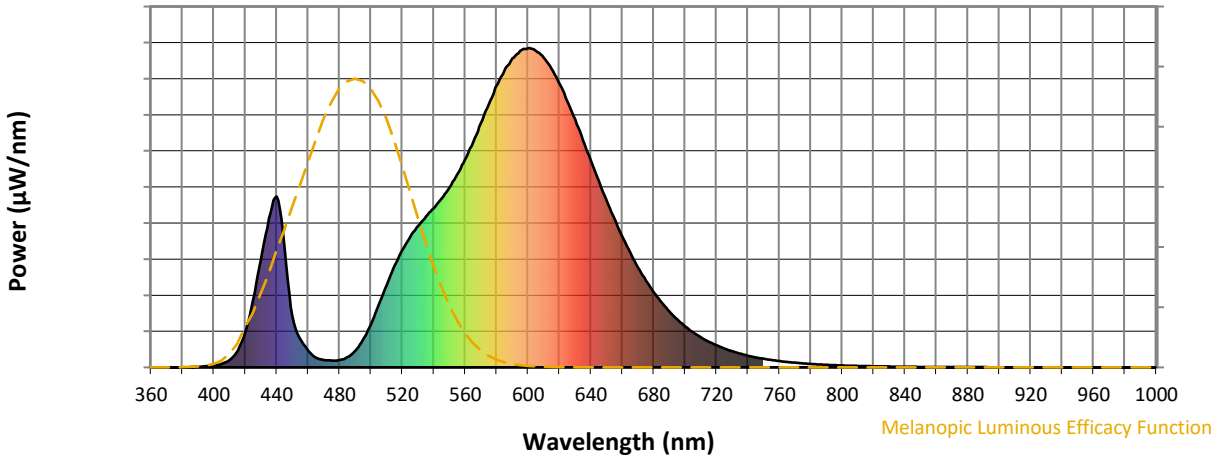


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

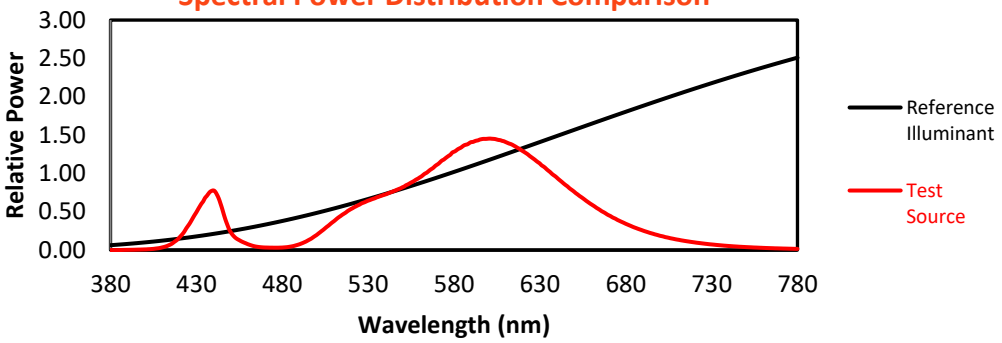
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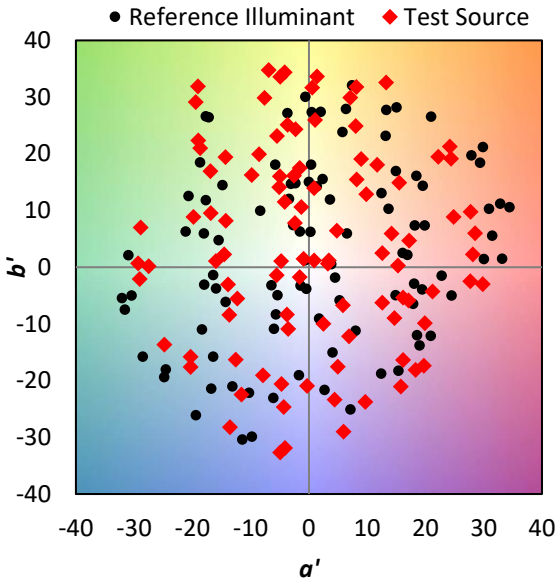
Summary

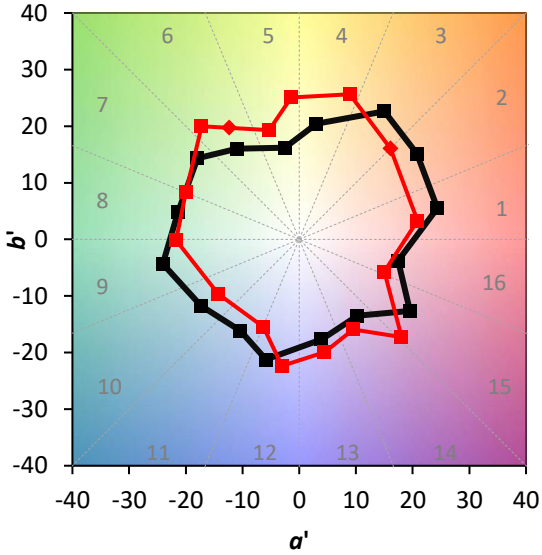
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

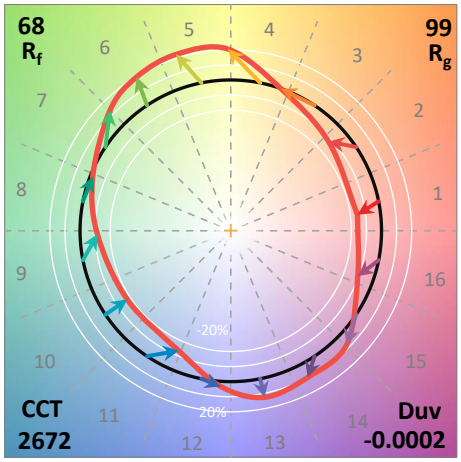
Spectral Power Distribution Comparison

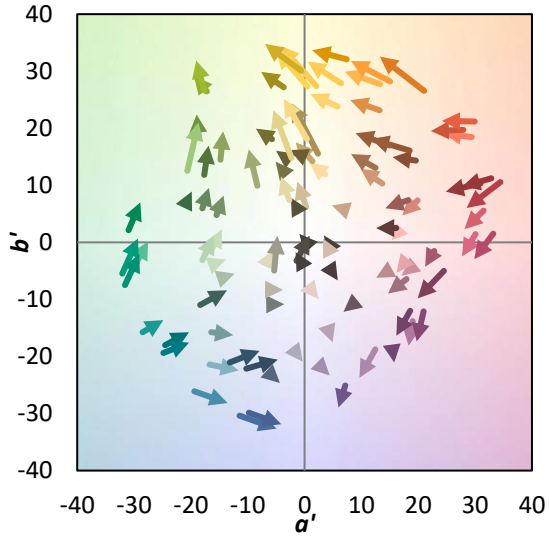


Color Vector Graphics







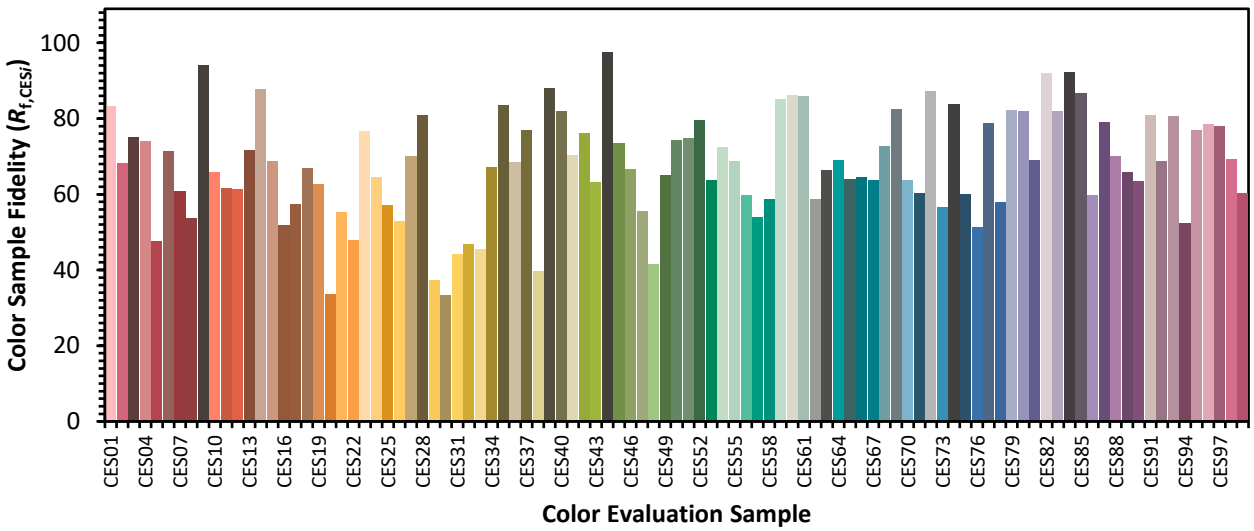


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Individual Sample Fidelity Index ($R_{f,i}$)

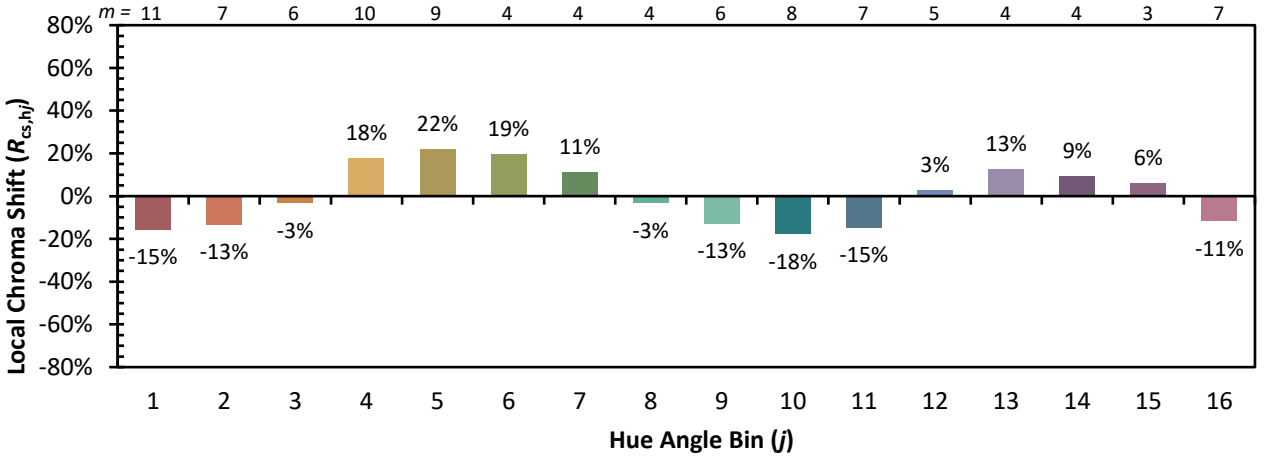
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

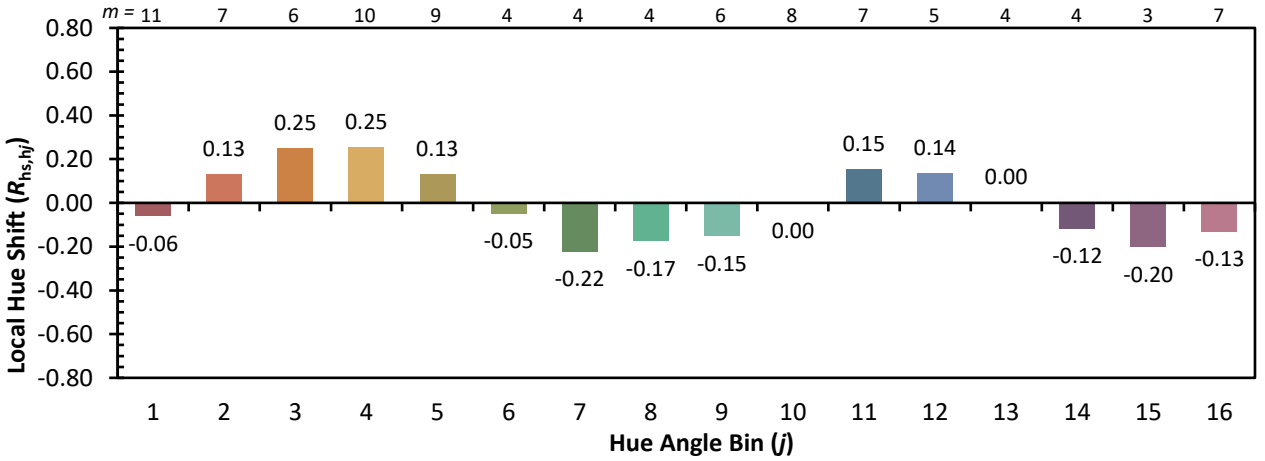


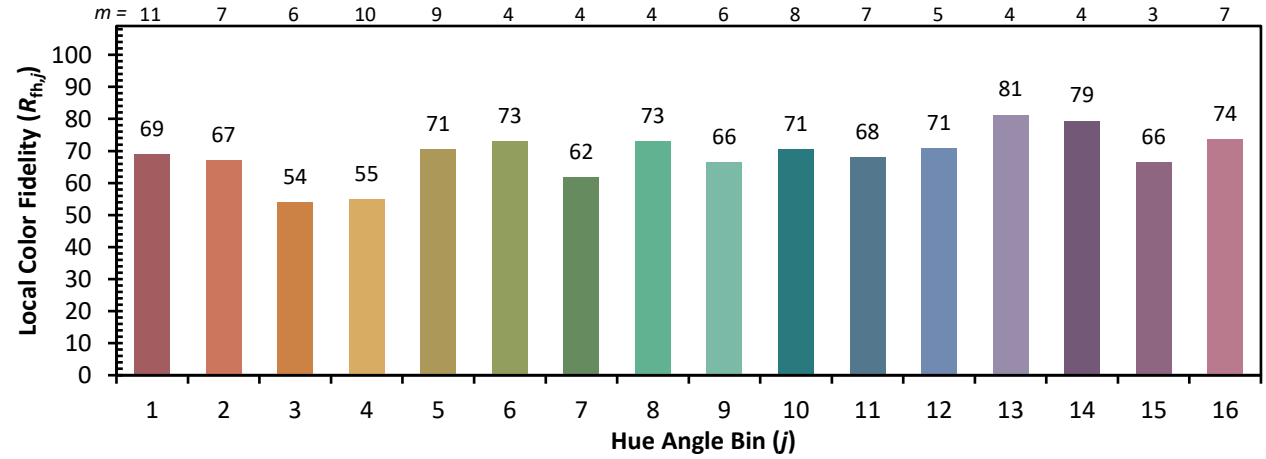
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Color Rendition by Hue-Angle Bin



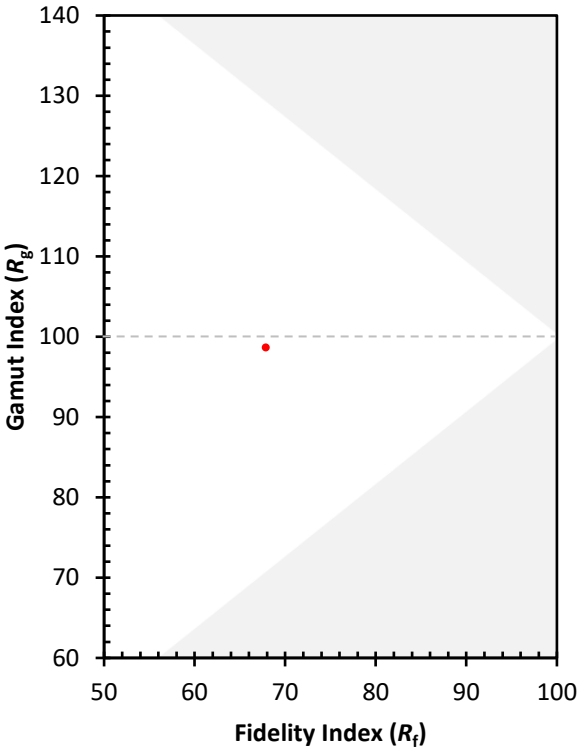


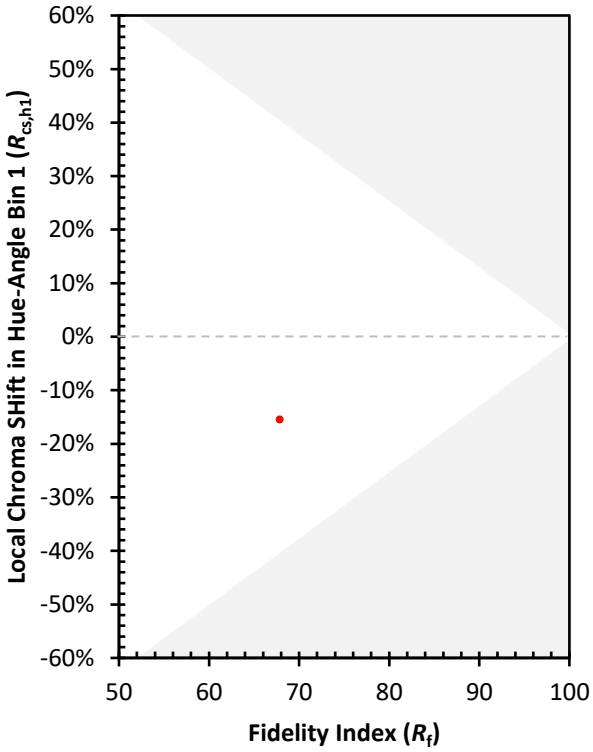


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Measure Comparisons





(END OF REPORT)