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: P1361495

Luminaire Tested: **GSS-SB5A-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:	P1361495
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-727-U-5MQ
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 2700K FIXTURE w/ TYPE V SQUARE MEDIUM DISTRIBUTION OPTIC
Light Source:	(130) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20406.3 lumens
Efficiency:	N/A
Efficacy:	142.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

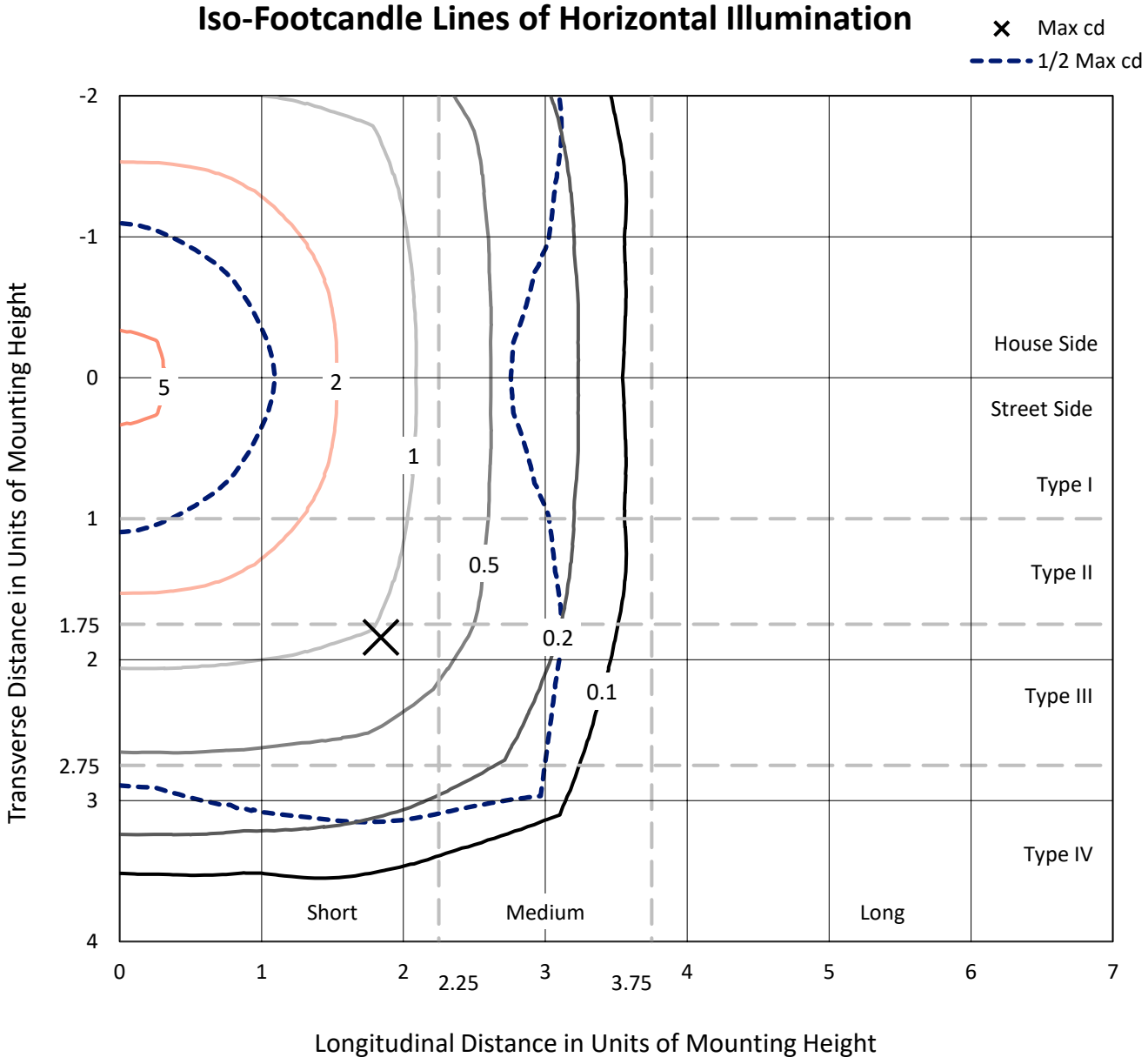
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1361495
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Iso-Footcandle Lines of Horizontal Illumination



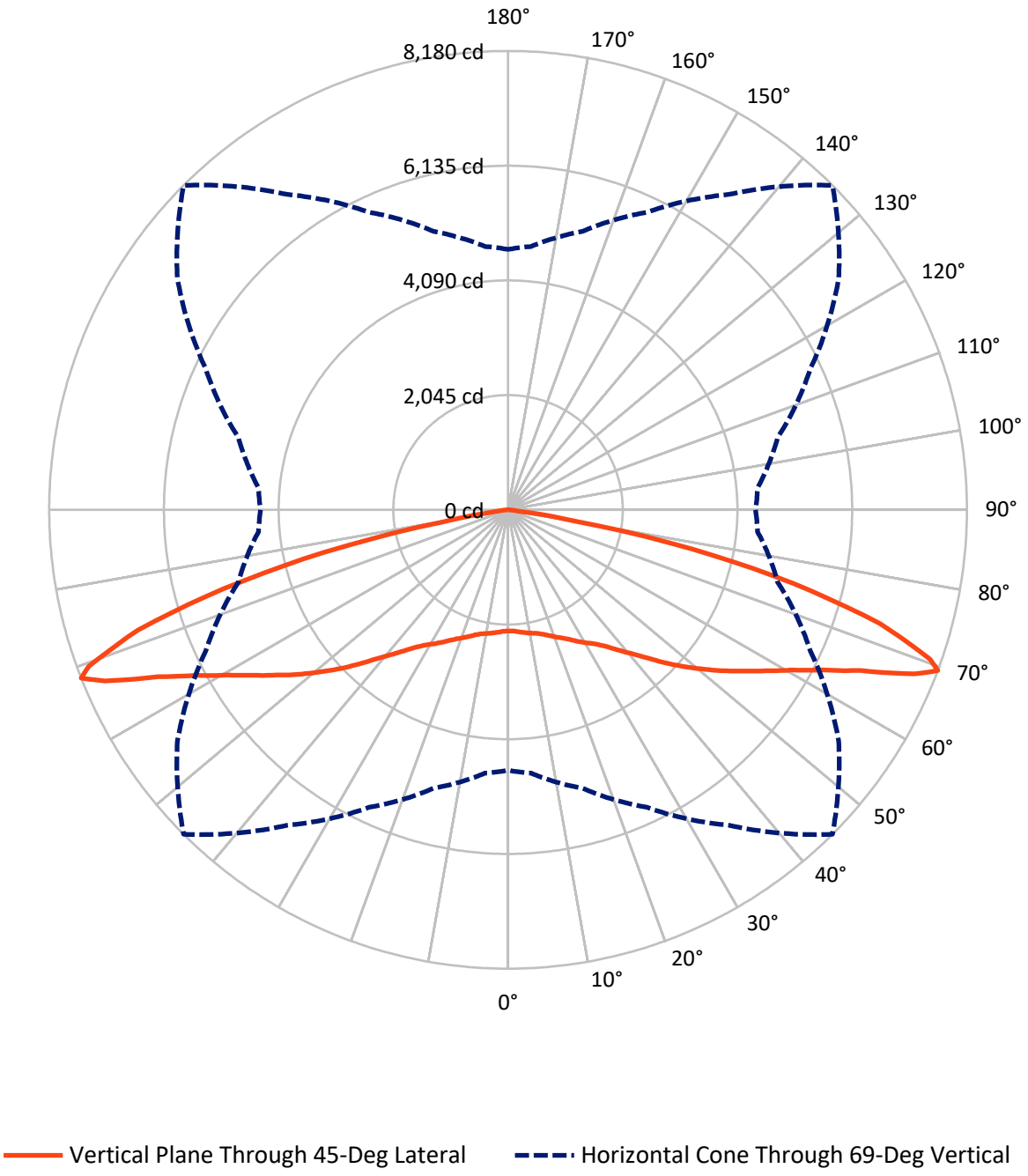
Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
Type V - Short - N/A

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REPORT NUMBER: P1361495
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Luminous Intensity Polar Plot



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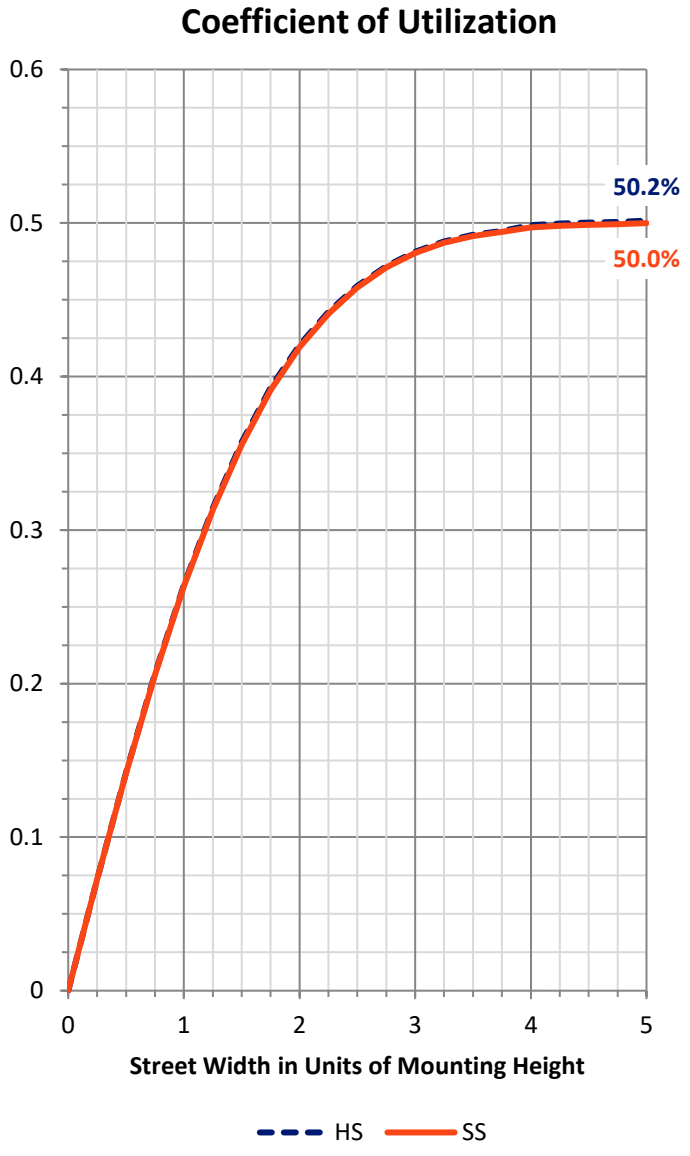
REPORT NUMBER: P1361495
CATALOG NUMBER: GSS-SB5A-727-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10203.1	0.0	10203.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10203.1	0.0	10203.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	20406.3	0.0	20406.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.4	1.0
10°-20°	653.2	3.2
20°-30°	1171.9	5.7
30°-40°	1886.5	9.2
40°-50°	3011.2	14.8
50°-60°	4462.0	21.9
60°-70°	5729.9	28.1
70°-80°	3173.9	15.6
80°-90°	107.2	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°	20406.3	100.0
0°-180°	20406.3	100.0



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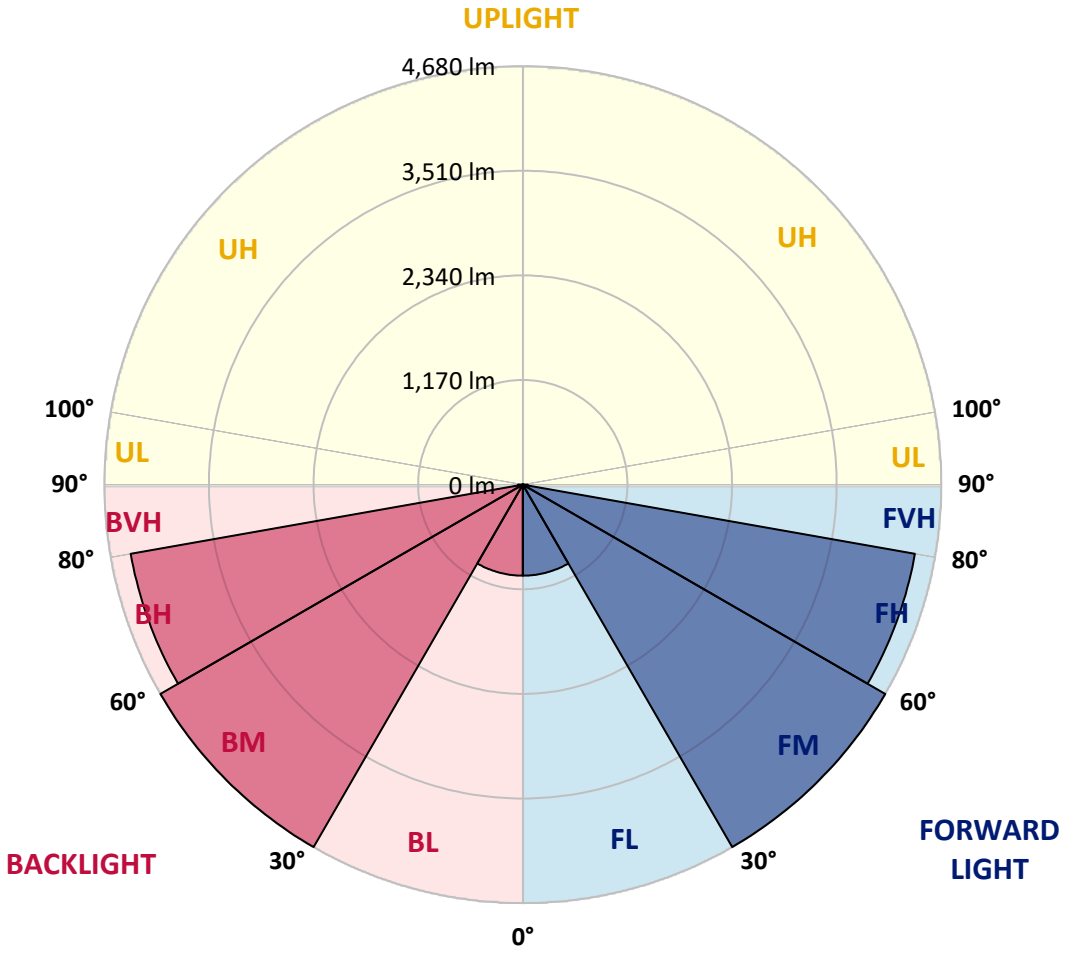
Scaled Data Report

REPORT NUMBER: P1361495
CATALOG NUMBER: GSS-SB5A-727-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1017.8	5.0			
FM	(30°-60°)	4679.8	22.9			
FH	(60°-80°)	4451.9	21.8			G2/5000
FVH	(80°-90°)	53.6	0.3			G1/100
BL	(0°-30°)	1017.8	5.0	B3/2500		
BM	(30°-60°)	4679.8	22.9	B3/5000		
BH	(60°-80°)	4451.9	21.8	B4/5000		G2/5000
BVH	(80°-90°)	53.6	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°	2159.8	2159.8	2159.8	2159.8	2159.8	*2159.8*	2159.8	2159.8	2159.8	2159.8	2159.8
2.5°	2183.2	2173.8	2173.8	2169.2	2164.5	*2164.5*	2169.2	2164.5	2173.8	2169.2	2169.2
5°	2197.3	2187.9	2187.9	2192.6	2183.2	*2187.9*	2192.6	2183.2	2197.3	2187.9	2187.9
7.5°	2216.0	2211.3	2206.6	2216.0	2211.3	*2211.3*	2220.7	2211.3	2220.7	2206.6	2202.0
10°	2244.1	2230.1	2230.1	2234.7	2230.1	*2234.7*	2244.1	2234.7	2234.7	2225.4	2225.4
12.5°	2262.9	2258.2	2253.5	2258.2	2258.2	*2258.2*	2262.9	2253.5	2258.2	2253.5	2248.8
15°	2291.0	2286.3	2286.3	2286.3	2291.0	*2300.3*	2295.7	2281.6	2286.3	2276.9	2276.9
17.5°	2333.1	2323.8	2328.4	2333.1	2342.5	*2356.6*	2342.5	2323.8	2323.8	2314.4	2309.7
20°	2380.0	2375.3	2380.0	2389.4	2398.7	*2417.5*	2398.7	2380.0	2370.6	2361.2	2351.9
22.5°	2431.5	2426.8	2440.9	2450.3	2459.6	*2483.1*	2464.3	2445.6	2422.1	2412.8	2408.1
25°	2487.7	2483.1	2497.1	2525.2	2548.6	*2562.7*	2544.0	2511.2	2492.4	2473.7	2464.3
27.5°	2548.6	2548.6	2572.1	2600.2	2633.0	*2656.4*	2637.7	2595.5	2558.0	2539.3	2534.6
30°	2642.3	2642.3	2665.8	2703.2	2731.4	*2750.1*	2731.4	2698.6	2661.1	2642.3	2637.7
32.5°	2768.8	2768.8	2796.9	2825.1	2839.1	*2848.5*	2843.8	2829.7	2796.9	2768.8	2759.5
35°	2918.8	2923.4	2956.2	2979.7	2993.7	*2984.3*	2993.7	2984.3	2956.2	2932.8	2928.1
37.5°	3110.8	3110.8	3143.6	3167.1	3157.7	*3167.1*	3167.1	3171.7	3157.7	3124.9	3110.8
40°	3321.7	3326.4	3363.8	3377.9	3373.2	*3363.8*	3377.9	3391.9	3373.2	3340.4	3331.0
42.5°	3555.9	3565.3	3593.4	3621.5	3612.1	*3598.1*	3626.2	3635.6	3602.8	3574.7	3574.7
45°	3799.5	3799.5	3841.7	3893.2	3897.9	*3874.5*	3893.2	3897.9	3855.8	3818.3	3804.2
47.5°	4047.8	4057.2	4113.4	4169.7	4188.4	*4165.0*	4179.0	4183.7	4113.4	4076.0	4052.5
50°	4296.1	4310.2	4385.2	4474.2	4492.9	*4455.4*	4483.5	4464.8	4389.8	4310.2	4291.5
52.5°	4497.6	4530.4	4642.8	4764.6	4816.2	*4764.6*	4802.1	4769.3	4642.8	4539.8	4507.0
55°	4722.5	4745.9	4891.1	5050.4	5120.7	*5073.9*	5111.3	5055.1	4877.1	4750.6	4717.8
57.5°	4942.7	4952.0	5116.0	5340.9	5453.3	*5415.9*	5420.5	5312.8	5120.7	4956.7	4909.9
60°	5116.0	5144.1	5355.0	5617.3	5795.3	*5800.0*	5757.9	5593.9	5369.0	5181.6	5144.1
62.5°	4891.1	4952.0	5331.5	5889.0	6179.5	*6287.3*	6160.8	5907.8	5420.5	5083.2	5027.0
65°	4741.2	4778.7	5064.5	5743.8	6638.6	*6905.7*	6652.7	5870.3	5242.5	4975.5	4923.9
67.5°	4839.6	4886.5	5205.0	5729.8	6746.4	*7809.9*	6947.9	5992.1	5350.3	4933.3	4881.8
69°	*4642.8*	*4713.1*	*5139.4*	*5851.6*	*6863.5*	*8180.0*	*7196.2*	*5945.3*	*4975.5*	*4464.8*	*4413.3*
70°	4418.0	4478.9	4938.0	5786.0	7032.2	*7983.2*	7294.5	5659.5	4610.0	4122.8	4076.0
72.5°	3443.5	3509.1	4047.8	5111.3	6671.4	*6938.5*	6366.9	4727.2	3823.0	3387.3	3335.7
75°	1138.5	1255.6	1766.2	3190.5	4291.5	*5261.3*	4113.4	3176.4	2052.0	1550.7	1396.1
77.5°	243.6	262.4	459.1	819.9	1780.3	*3368.5*	2000.5	782.4	421.7	295.2	267.0
80°	131.2	140.6	192.1	238.9	440.4	*1204.0*	384.2	210.8	201.5	145.2	135.9
82.5°	84.3	84.3	107.8	131.2	168.7	*224.9*	149.9	126.5	112.4	79.6	79.6
85°	46.9	46.9	51.5	65.6	65.6	*70.3*	65.6	60.9	51.5	46.9	42.2
87.5°	28.1	32.8	32.8	28.1	28.1	*28.1*	28.1	28.1	28.1	32.8	28.1
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

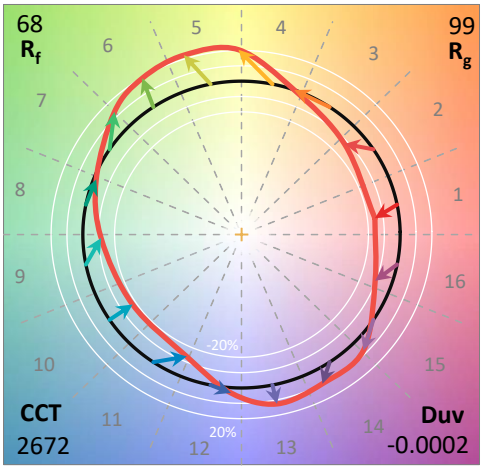
Test Information

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

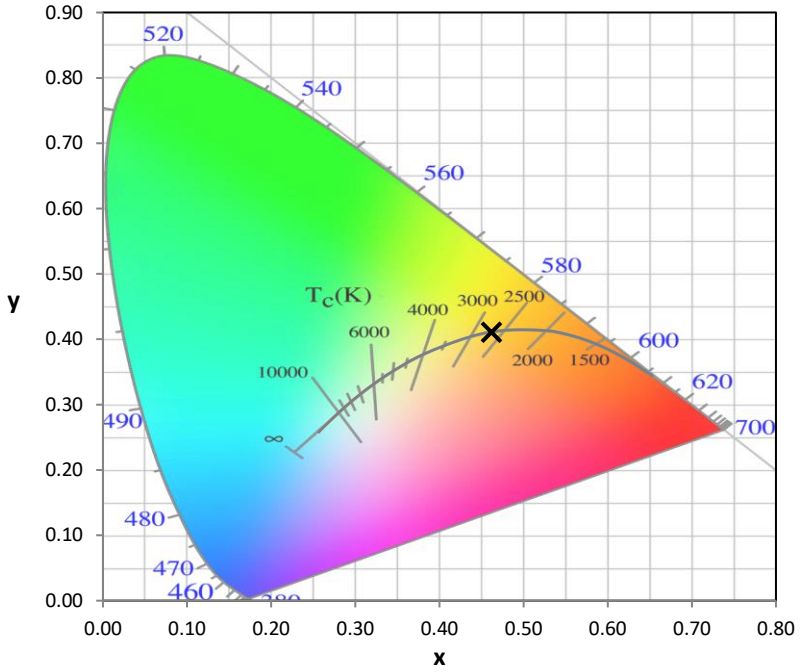
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

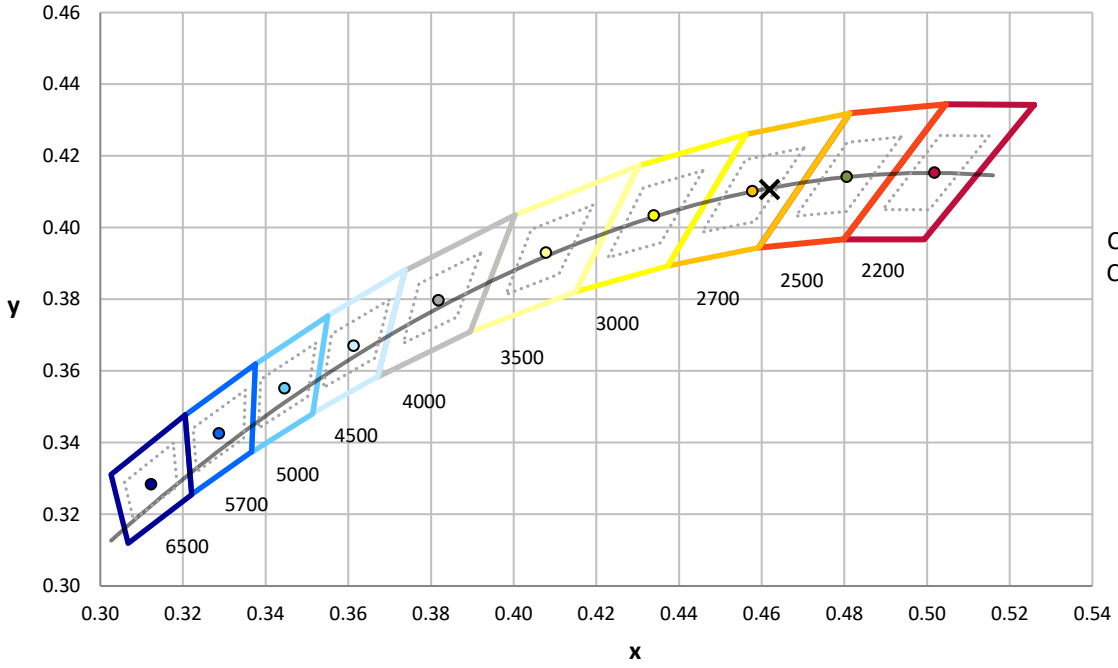
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

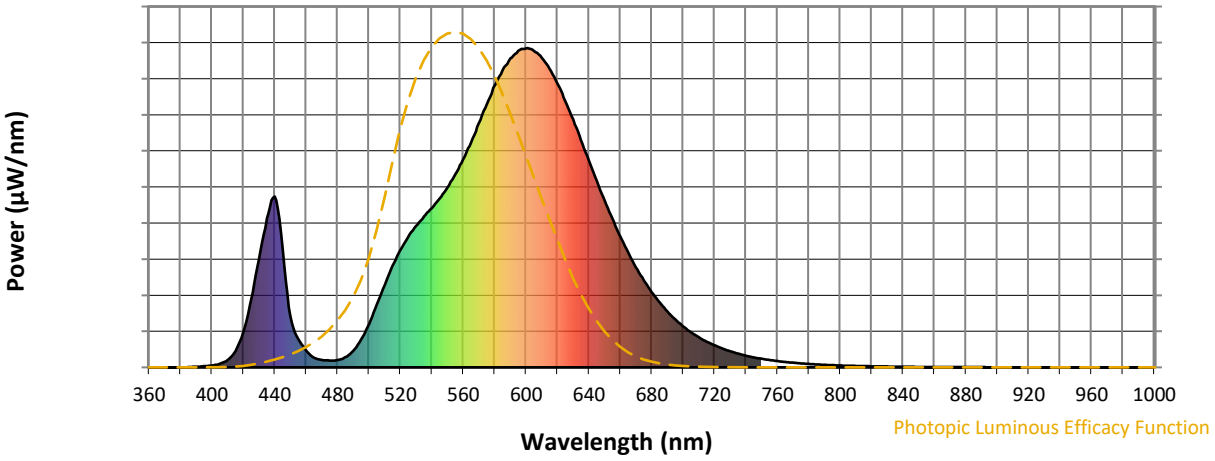


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

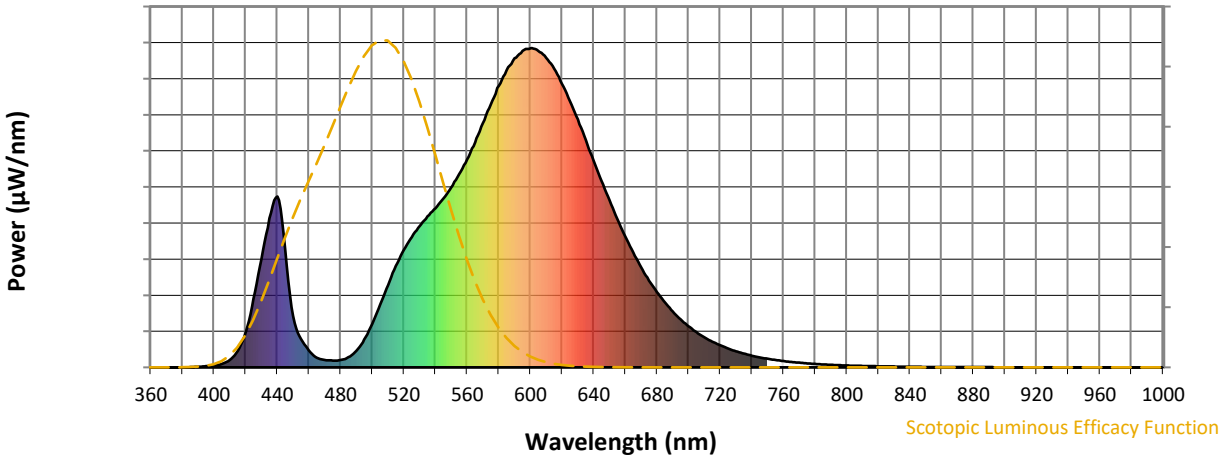


Photopic Lumens: NR

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

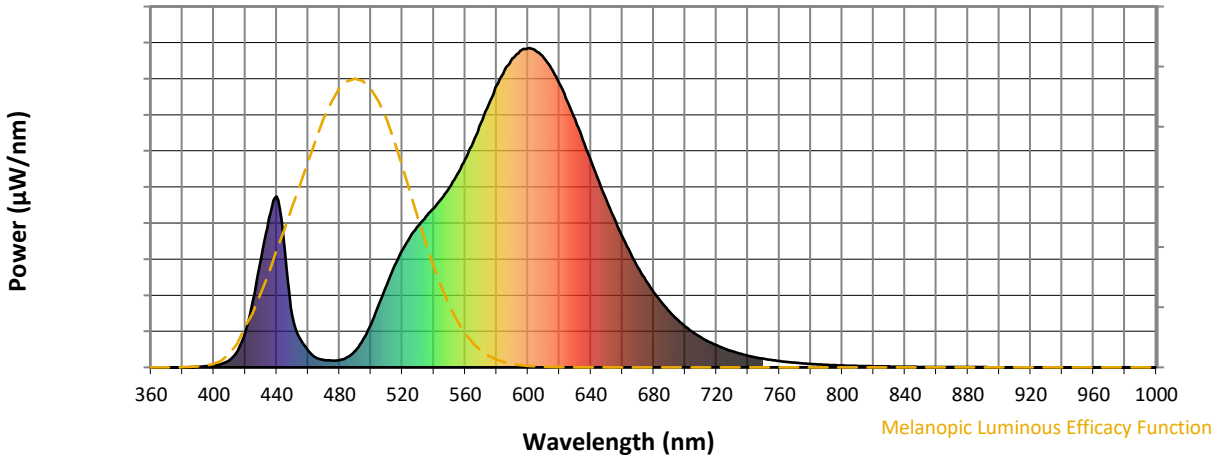


Scotopic Lumens: NR **S/P: 1.02**

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			

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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			

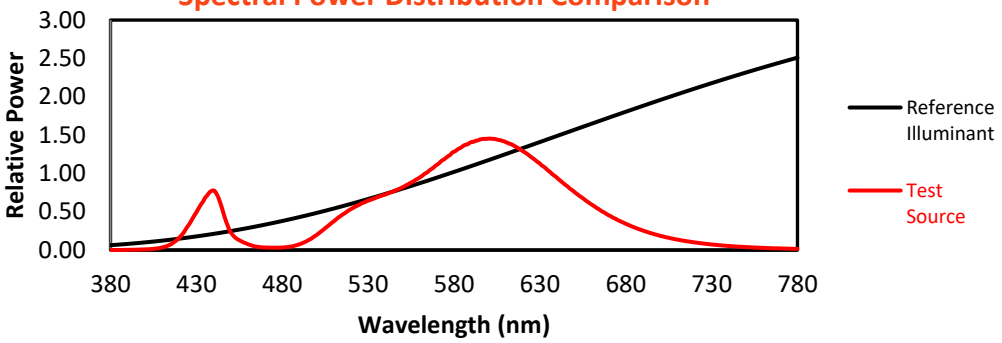
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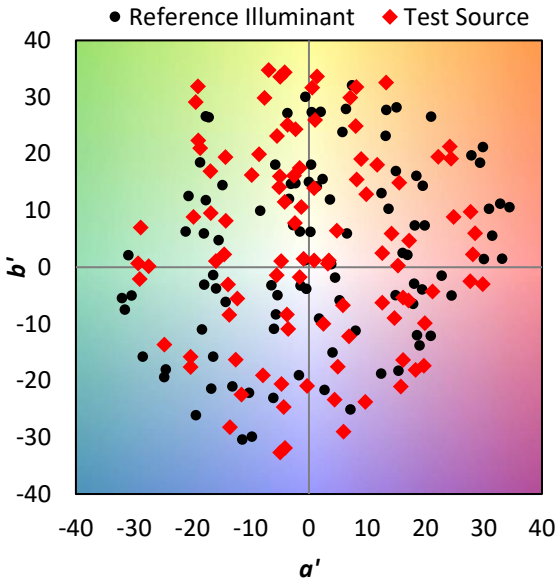
Summary

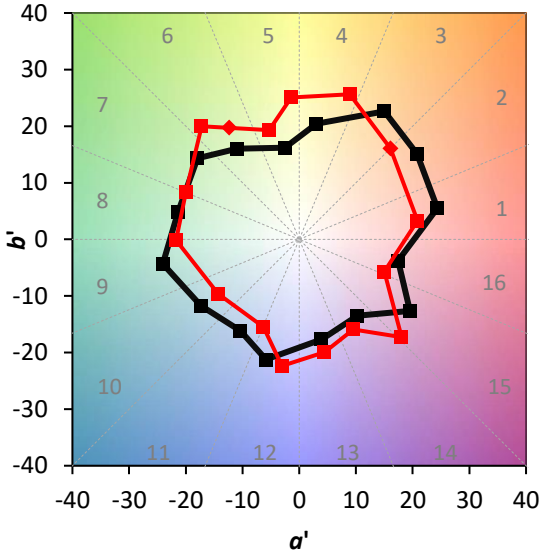
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

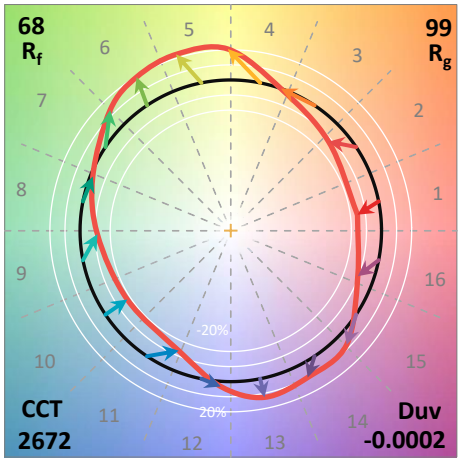
Spectral Power Distribution Comparison

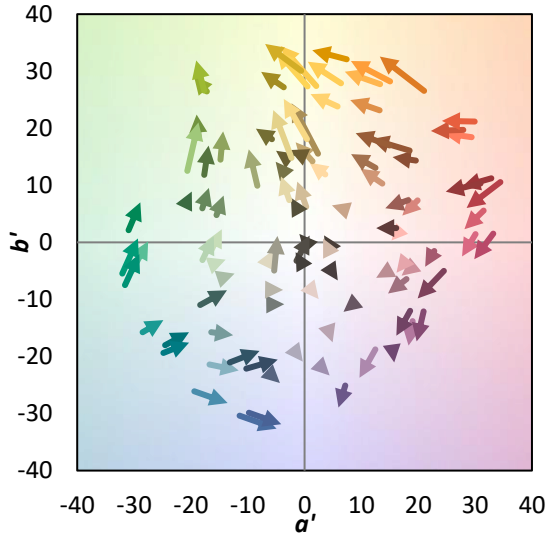


Color Vector Graphics







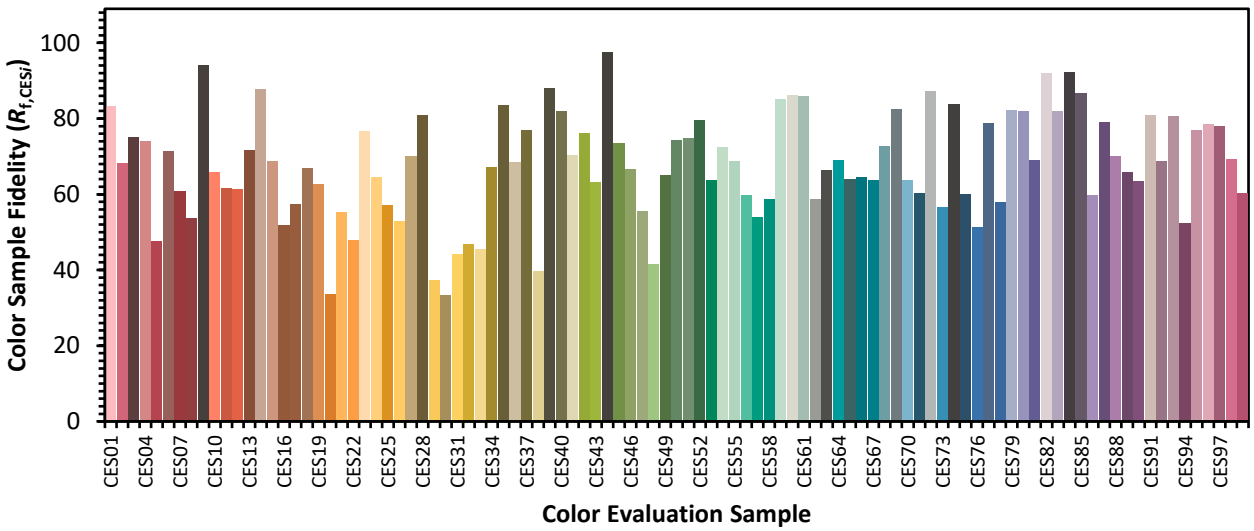


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Individual Sample Fidelity Index ($R_{f,i}$)

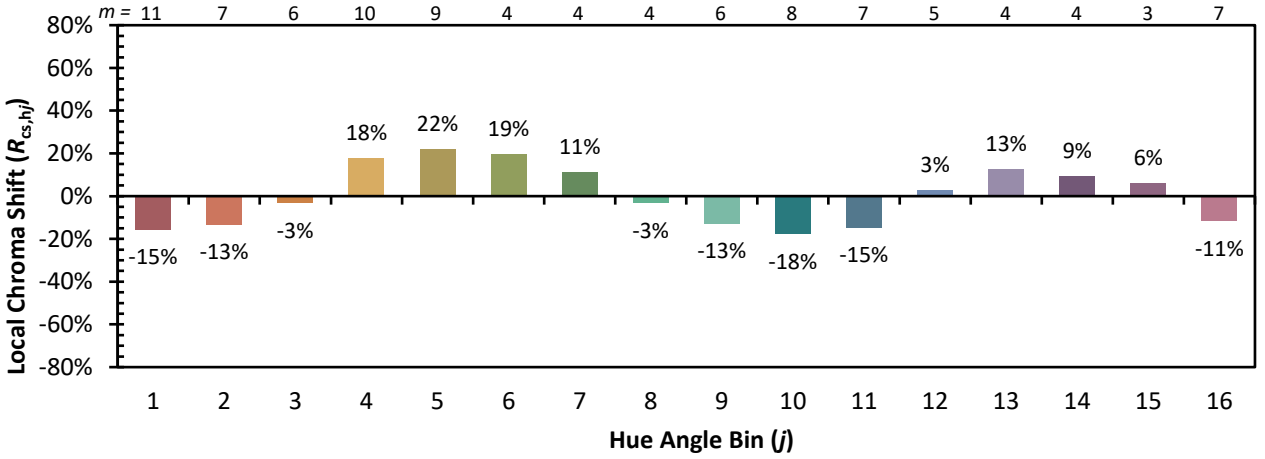
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 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	

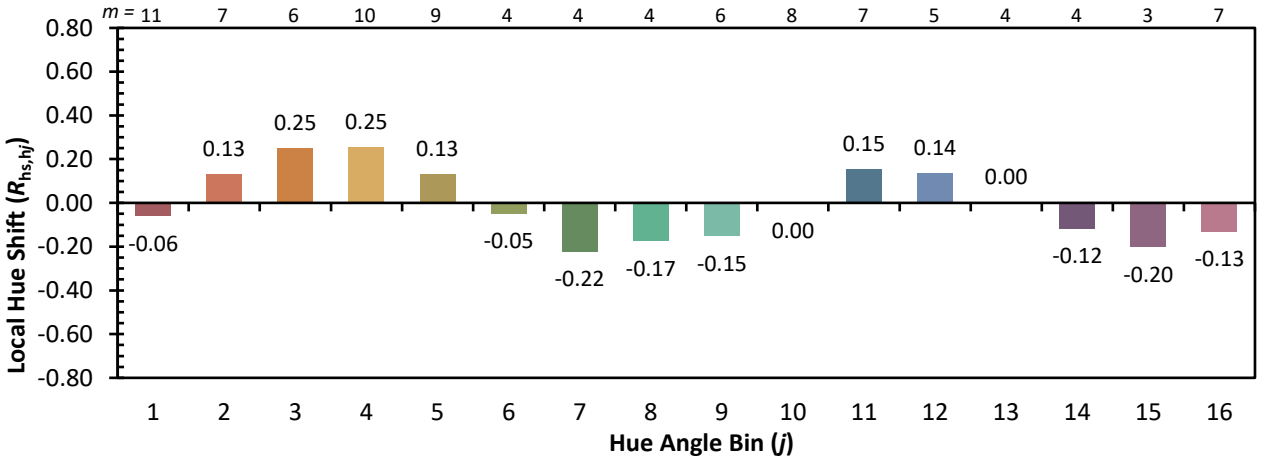


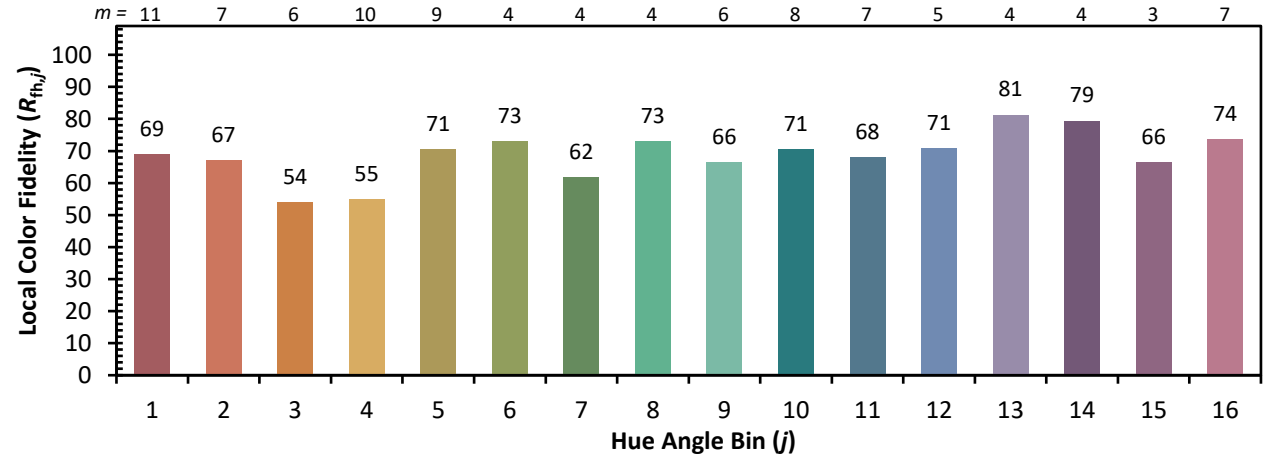
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Color Rendition by Hue-Angle Bin



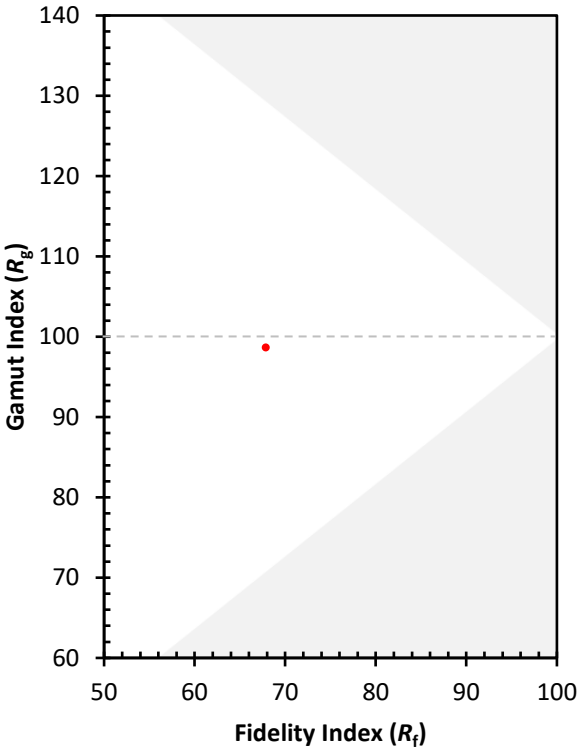


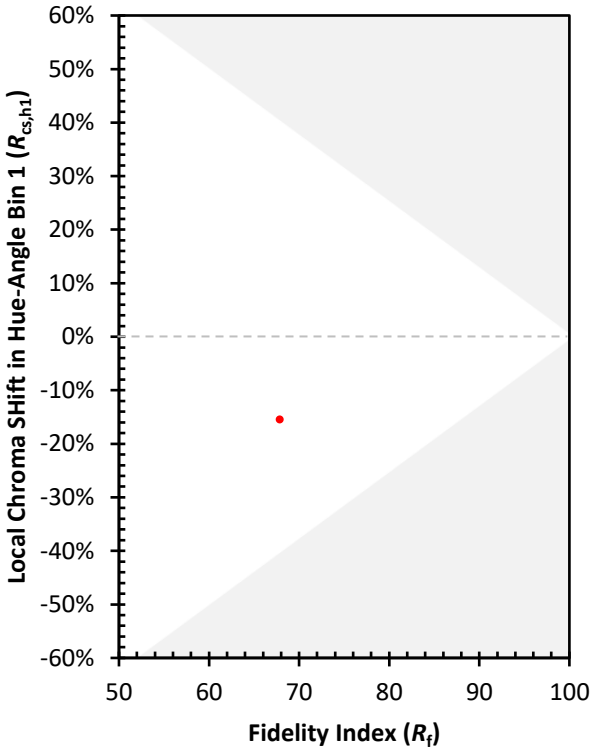


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Measure Comparisons





(END OF REPORT)