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: P1362261

Luminaire Tested: **GSS-SB4C-727-U-RW**

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:	P1362261
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-727-U-RW
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 2700K FIXTURE w/ RECTANGULAR WIDE DISTRIBUTION OPTIC
Light Source:	(104) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27215.8 lumens
Efficiency:	N/A
Efficacy:	133.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B4 - U0 - G4

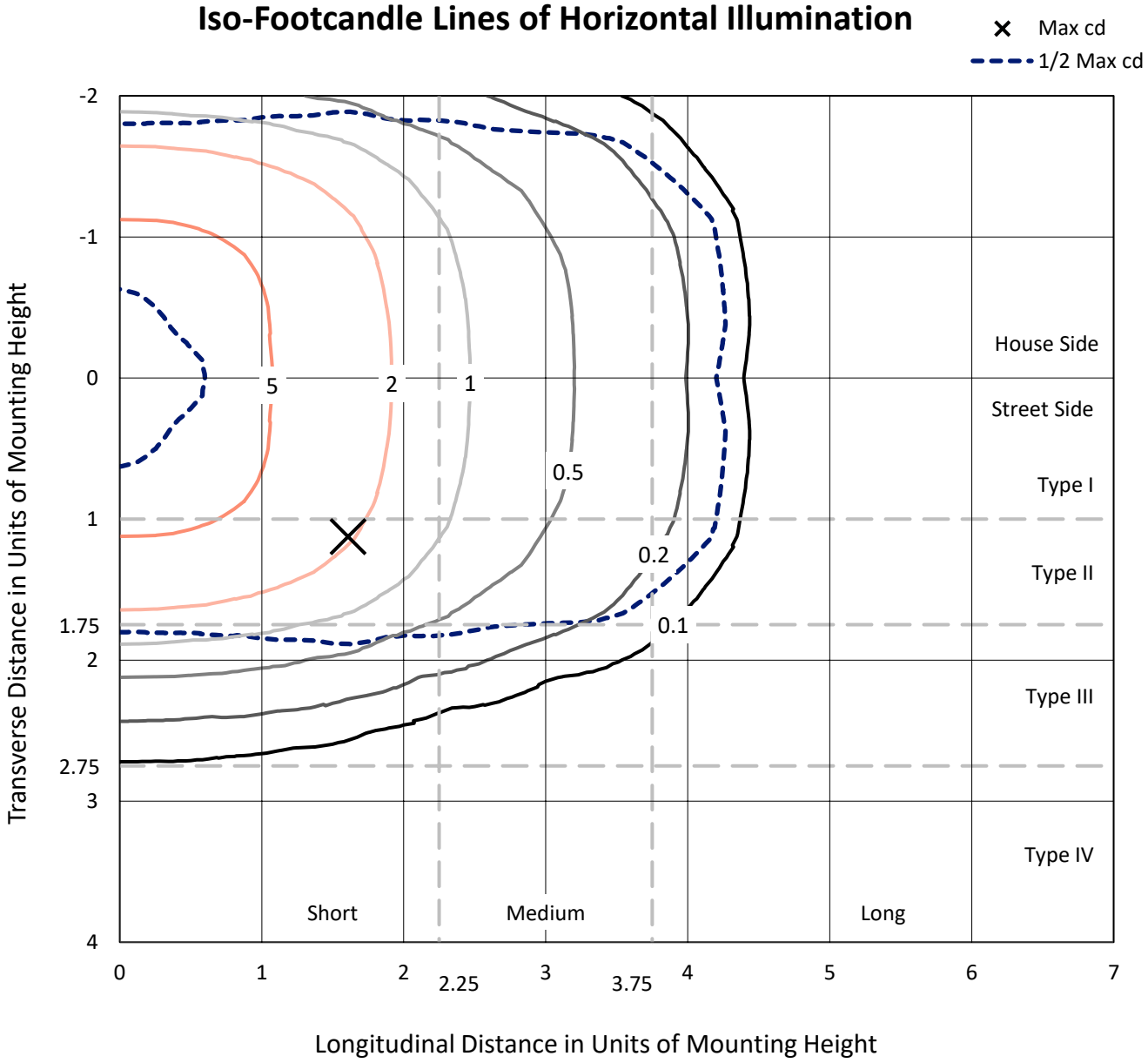
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1362261
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Iso-Footcandle Lines of Horizontal Illumination



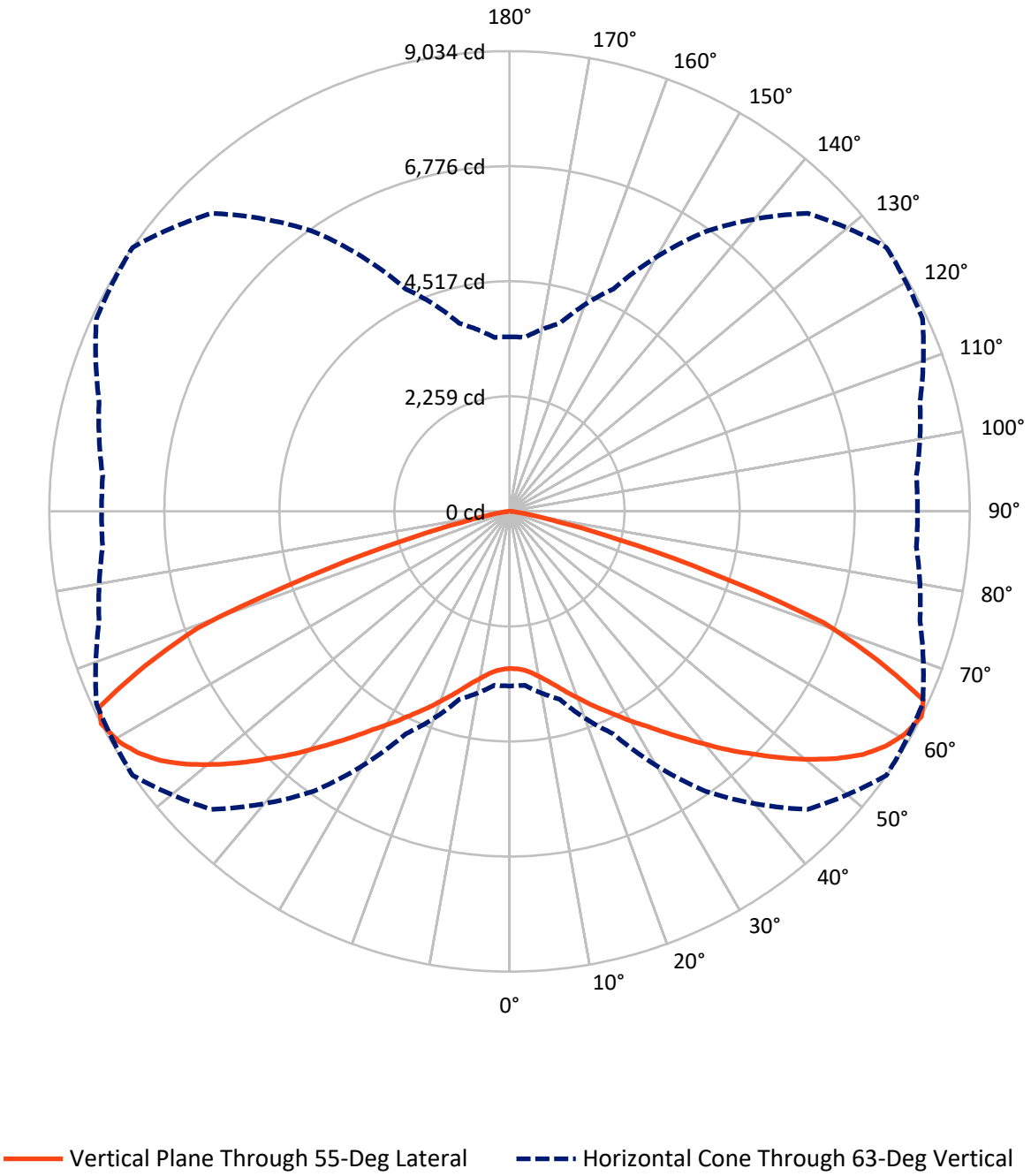
Based on 20 foot mounting height. Maximum calculated value = 8.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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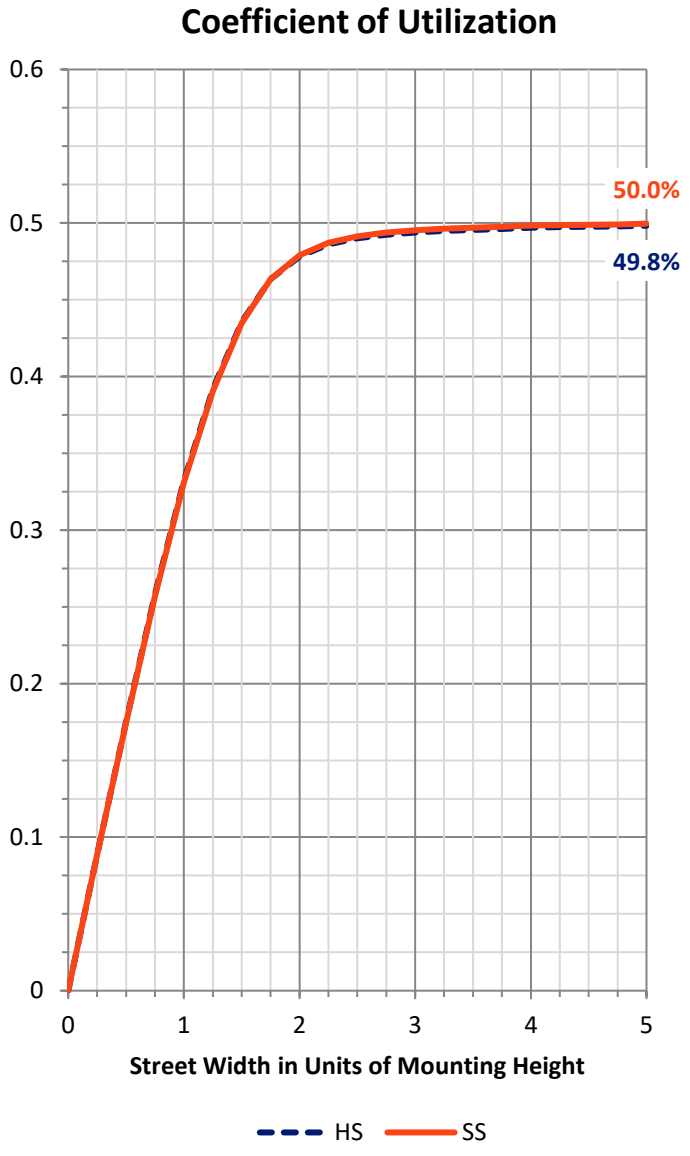
REPORT NUMBER: P1362261
CATALOG NUMBER: GSS-SB4C-727-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13607.9	0.0	13607.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13607.9	0.0	13607.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	27215.8	0.0	27215.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.7	1.1
10°-20°	993.8	3.7
20°-30°	1922.8	7.1
30°-40°	3255.6	12.0
40°-50°	5135.3	18.9
50°-60°	6829.7	25.1
60°-70°	5975.1	22.0
70°-80°	2653.1	9.7
80°-90°	149.8	0.6
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°	27215.8	100.0
0°-180°	27215.8	100.0



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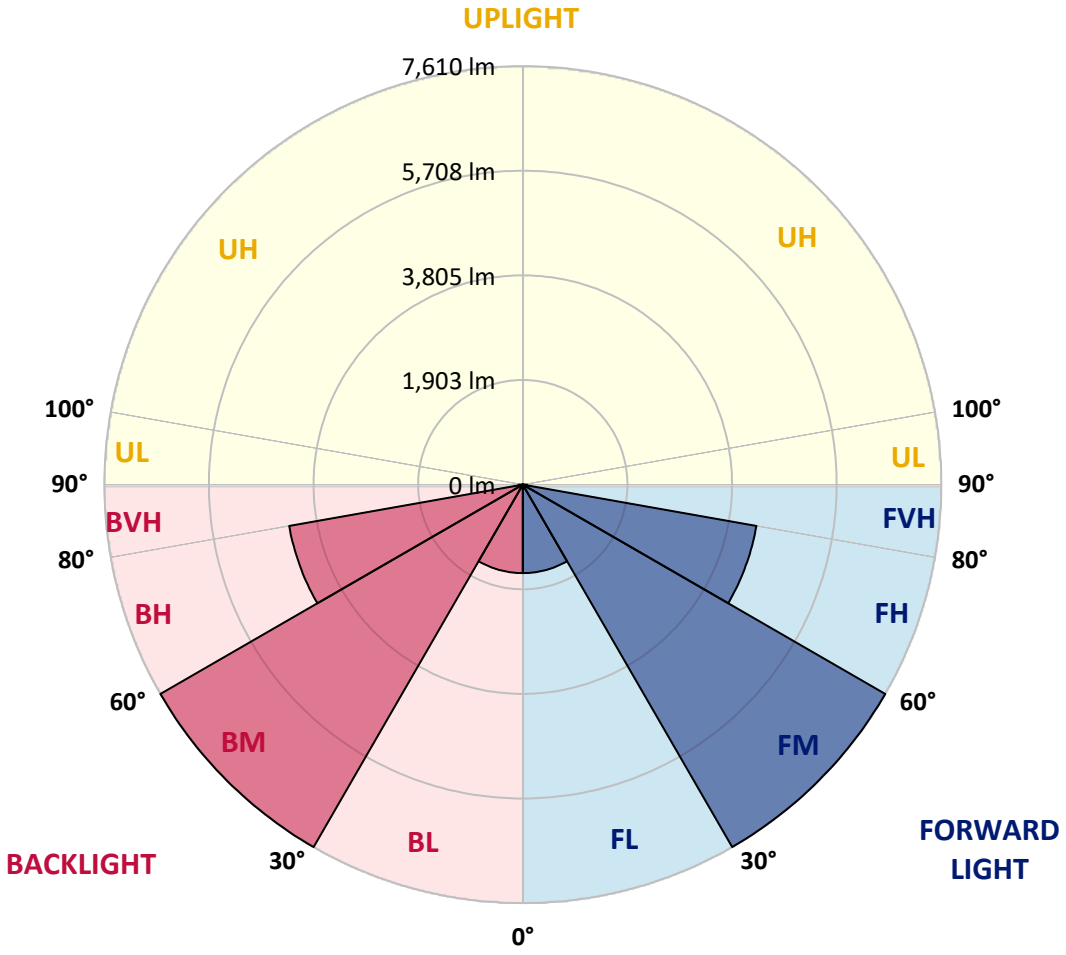
Scaled Data Report

REPORT NUMBER: P1362261
CATALOG NUMBER: GSS-SB4C-727-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1608.7	5.9			
FM	(30°-60°)	7610.3	28.0			
FH	(60°-80°)	4314.1	15.9			G2/5000
FVH	(80°-90°)	74.9	0.3			G1/100
BL	(0°-30°)	1608.7	5.9	B3/2500		
BM	(30°-60°)	7610.3	28.0	B4/8500		
BH	(60°-80°)	4314.1	15.9	B4/5000		G4/5000
BVH	(80°-90°)	74.9	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-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3084.0	3084.0	3084.0	3084.0	3084.0	3084.0	*3084.0*	3084.0	3084.0	3084.0	3084.0
2.5°	3084.0	3065.3	3059.1	3071.6	3071.6	3084.0	*3096.5*	3090.2	3108.9	3108.9	3096.5
5°	3052.9	3040.4	3040.4	3059.1	3077.8	3108.9	*3133.9*	3140.1	3171.2	3171.2	3177.5
7.5°	3034.2	3027.9	3034.2	3059.1	3102.7	3152.5	*3202.4*	3233.5	3283.4	3295.8	3308.3
10°	3065.3	3046.6	3071.6	3108.9	3165.0	3233.5	*3308.3*	3358.1	3414.2	3445.4	3451.6
12.5°	3121.4	3108.9	3140.1	3202.4	3277.2	3358.1	*3426.7*	3489.0	3551.3	3594.9	3601.1
15°	3152.5	3146.3	3214.9	3308.3	3420.5	3507.7	*3576.2*	3626.1	3688.4	3738.2	3756.9
17.5°	3221.1	3221.1	3314.5	3439.1	3582.4	3682.1	*3750.7*	3775.6	3806.7	3850.3	3887.7
20°	3339.5	3345.7	3445.4	3601.1	3763.1	3881.5	*3925.1*	3925.1	3918.9	3956.3	3975.0
22.5°	3507.7	3507.7	3638.5	3794.3	3962.5	4099.6	*4130.7*	4074.6	4037.3	4062.2	4074.6
25°	3725.7	3719.5	3856.6	4024.8	4193.0	4330.1	*4330.1*	4242.9	4161.9	4174.3	4193.0
27.5°	3956.3	3968.7	4112.0	4274.0	4448.5	4573.1	*4548.1*	4429.8	4305.2	4286.5	4305.2
30°	4230.4	4236.6	4379.9	4560.6	4716.4	4822.3	*4797.4*	4635.4	4467.1	4417.3	4436.0
32.5°	4554.4	4554.4	4697.7	4859.7	5015.4	5115.1	*5046.6*	4865.9	4647.8	4598.0	4610.4
35°	4915.7	4934.4	5071.5	5214.8	5351.9	5432.9	*5351.9*	5127.6	4872.1	4816.0	4822.3
37.5°	5326.9	5345.6	5476.5	5613.5	5725.7	5788.0	*5675.8*	5420.4	5127.6	5059.0	5071.5
40°	5756.8	5775.5	5925.0	6043.4	6149.3	6186.7	*6037.2*	5756.8	5432.9	5370.5	5370.5
42.5°	6168.0	6186.7	6330.0	6498.2	6591.7	6604.2	*6423.5*	6105.7	5769.3	5694.5	5719.4
45°	6510.7	6510.7	6703.8	6903.2	7052.7	7059.0	*6809.8*	6467.1	6105.7	6031.0	6055.9
47.5°	6747.5	6759.9	6984.2	7245.9	7445.2	7501.3	*7233.4*	6878.3	6473.3	6379.9	6417.2
50°	6897.0	6915.7	7158.7	7482.6	7781.7	7912.5	*7650.8*	7258.3	6859.6	6759.9	6791.1
52.5°	6946.8	6946.8	7221.0	7601.0	7999.7	8249.0	*8055.8*	7638.4	7233.4	7115.0	7152.4
55°	6747.5	6778.6	7096.3	7576.1	8087.0	8479.5	*8423.4*	7993.5	7582.3	7457.7	7532.5
57.5°	6230.3	6292.6	6672.7	7314.4	8043.4	8629.0	*8697.5*	8330.0	7912.5	7800.4	7844.0
60°	5059.0	5084.0	5626.0	6672.7	7713.2	8629.0	*8903.1*	8653.9	8236.5	8124.4	8161.7
62.5°	3619.8	3669.7	4055.9	5171.2	7002.9	8386.0	*9009.1*	8921.8	8392.3	8130.6	8130.6
63°	*3426.7*	*3426.7*	*3819.2*	*4816.0*	*6703.8*	*8273.9*	*9034.0*	*8946.8*	*8342.4*	*8018.4*	*8006.0*
65°	2473.4	2492.1	2859.7	3657.2	5277.1	7694.5	*8928.1*	8635.2	7893.8	7563.6	7563.6
67.5°	1439.2	1451.7	1669.7	2348.8	3563.8	6118.2	*7781.7*	8192.9	7856.4	7588.5	7601.0
70°	928.3	940.8	1046.7	1320.8	2124.5	3482.8	*6535.6*	7943.7	7763.0	7376.7	7364.3
72.5°	641.7	641.7	691.6	841.1	1096.5	1900.3	*4149.4*	7015.4	7837.8	7619.7	7601.0
75°	417.4	461.0	498.4	567.0	629.3	909.6	*2186.8*	5333.2	7133.7	7208.5	6928.1
77.5°	292.8	292.8	380.1	398.7	398.7	542.0	*971.9*	2492.1	3819.2	3570.0	3171.2
80°	230.5	218.1	230.5	280.4	286.6	305.3	*398.7*	654.2	1302.1	635.5	467.3
82.5°	149.5	143.3	149.5	180.7	168.2	155.8	*168.2*	286.6	361.4	205.6	186.9
85°	43.6	49.8	62.3	68.5	68.5	68.5	*81.0*	112.1	124.6	93.5	87.2
87.5°	12.5	18.7	18.7	18.7	24.9	24.9	*37.4*	43.6	49.8	49.8	49.8
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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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

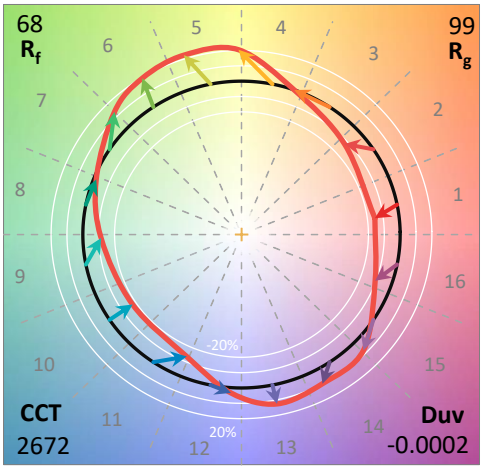
Test Information

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

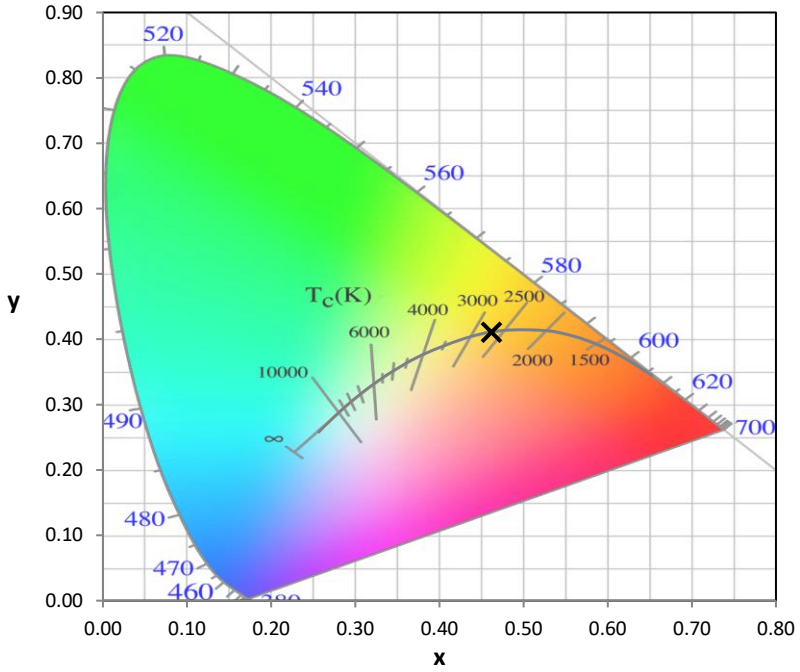
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

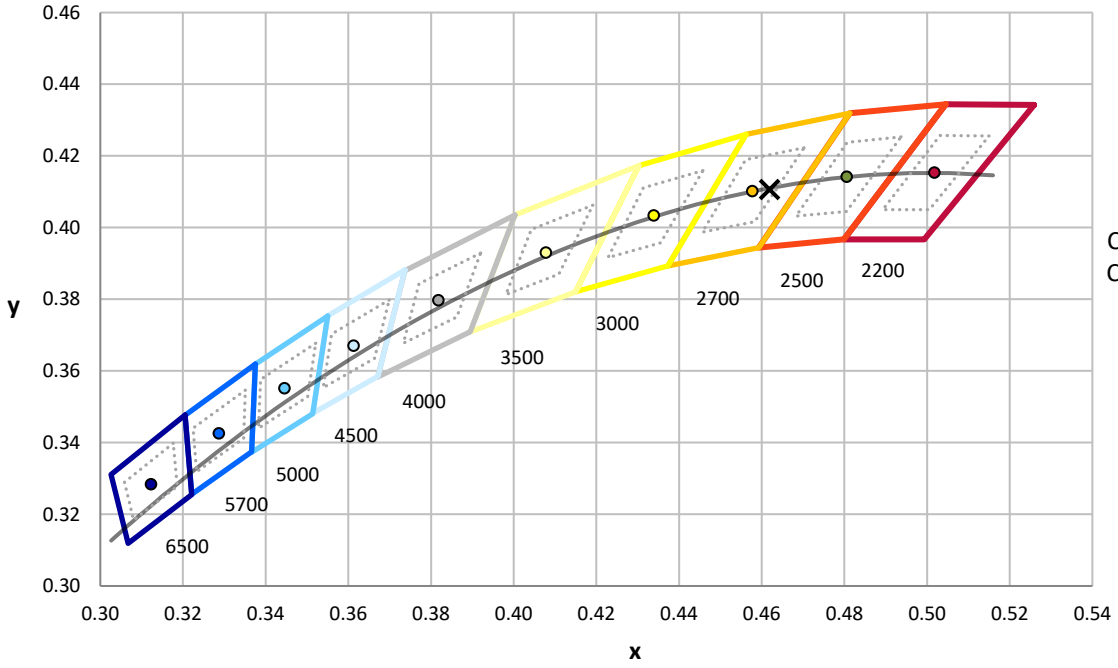
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

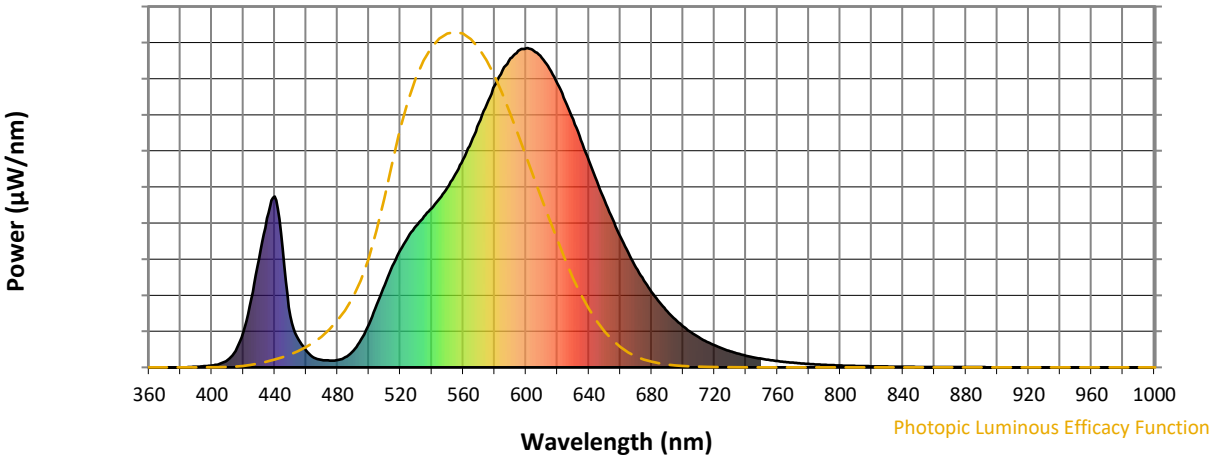


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

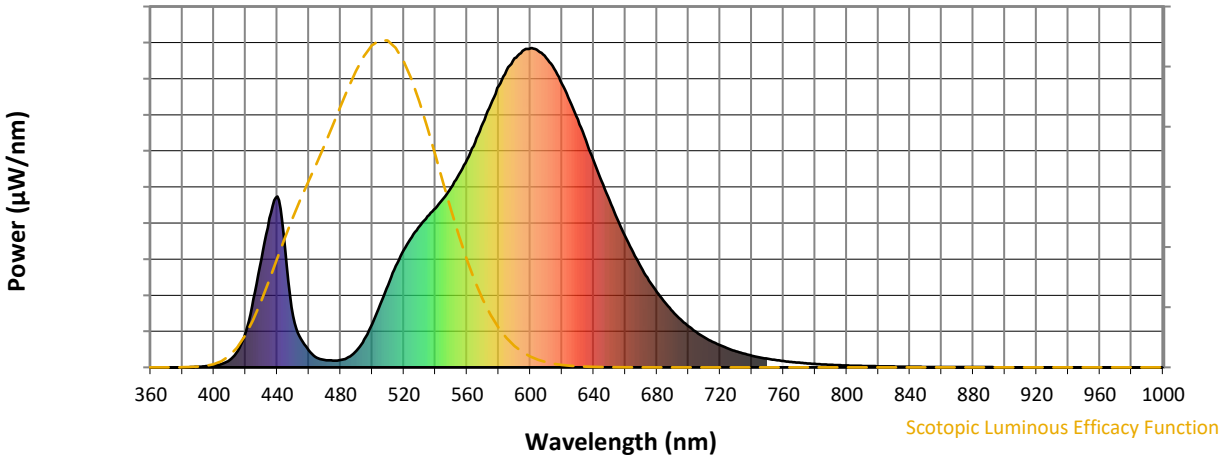


Photopic Lumens: NR

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

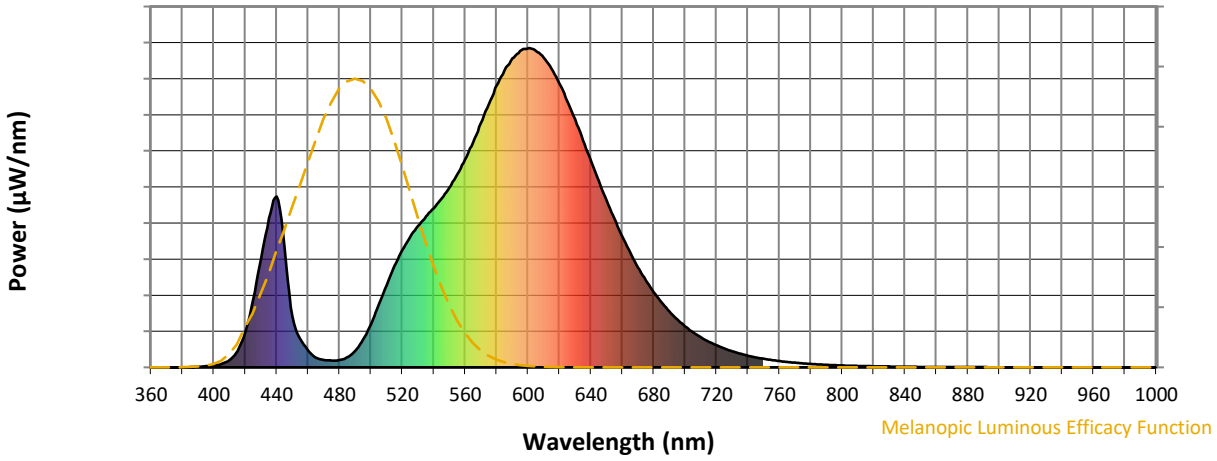


Scotopic Lumens: NR **S/P: 1.02**

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			

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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			

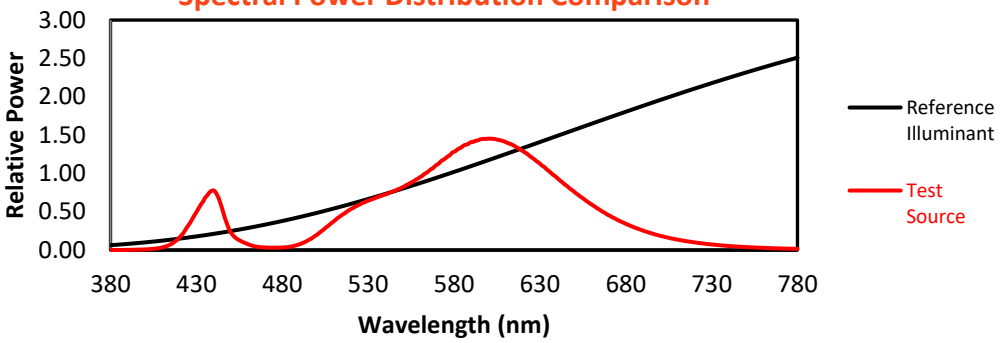
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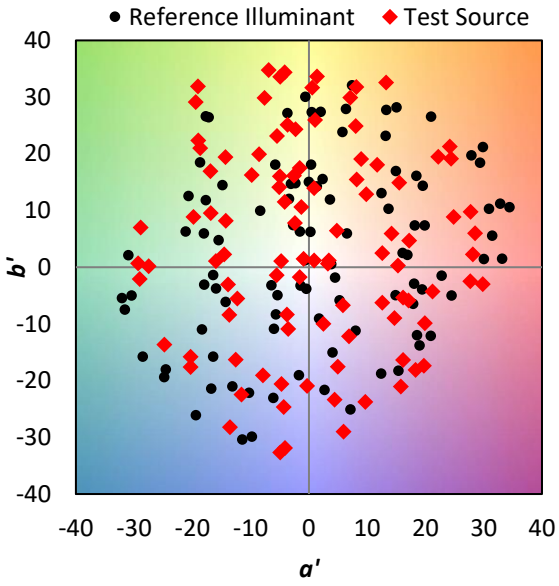
Summary

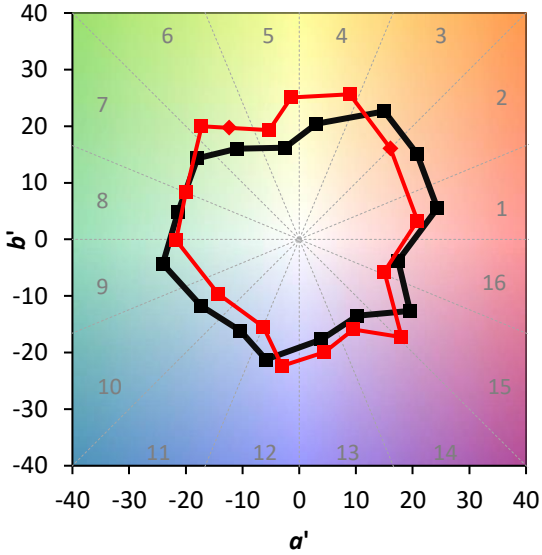
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

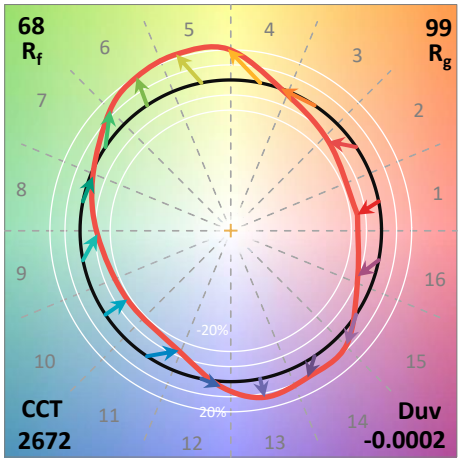
Spectral Power Distribution Comparison

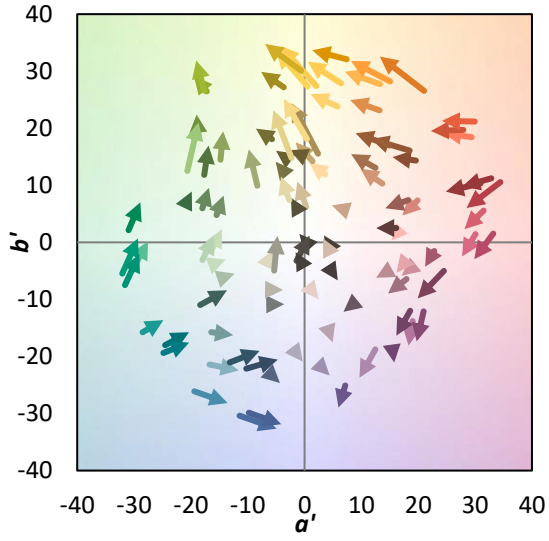


Color Vector Graphics







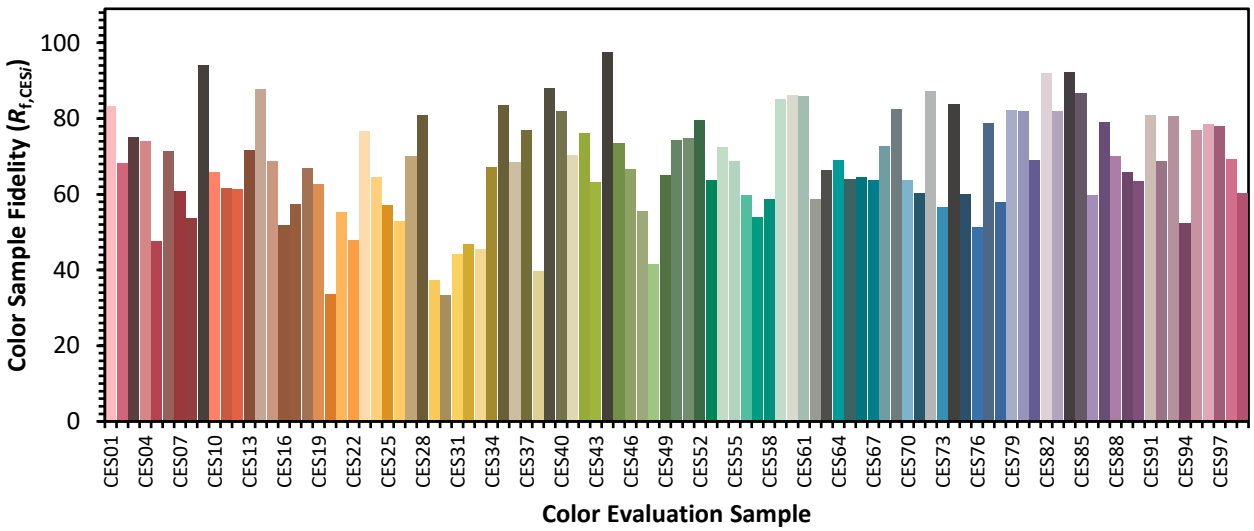


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Individual Sample Fidelity Index ($R_{f,i}$)

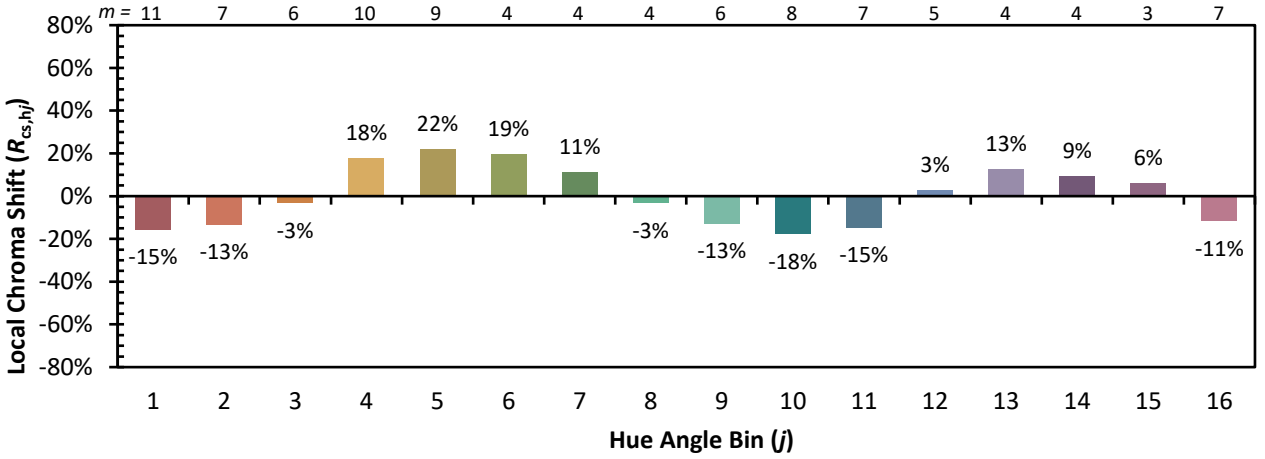
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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	

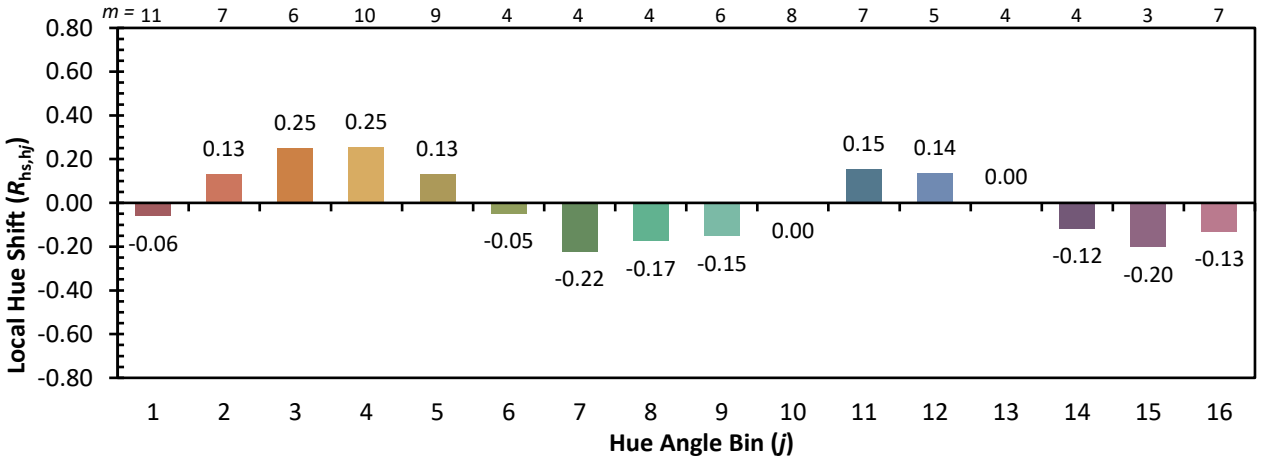


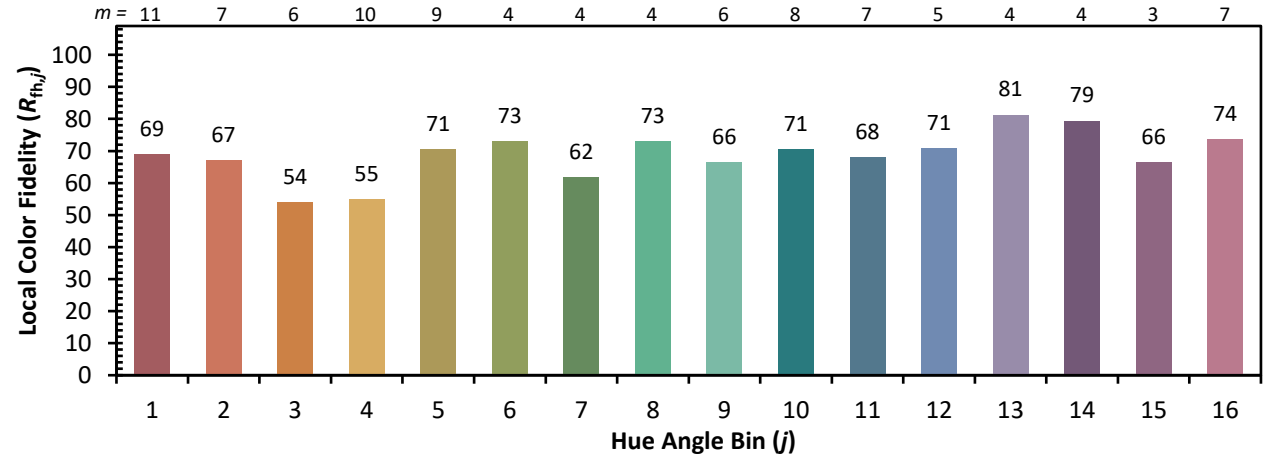
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Color Rendition by Hue-Angle Bin



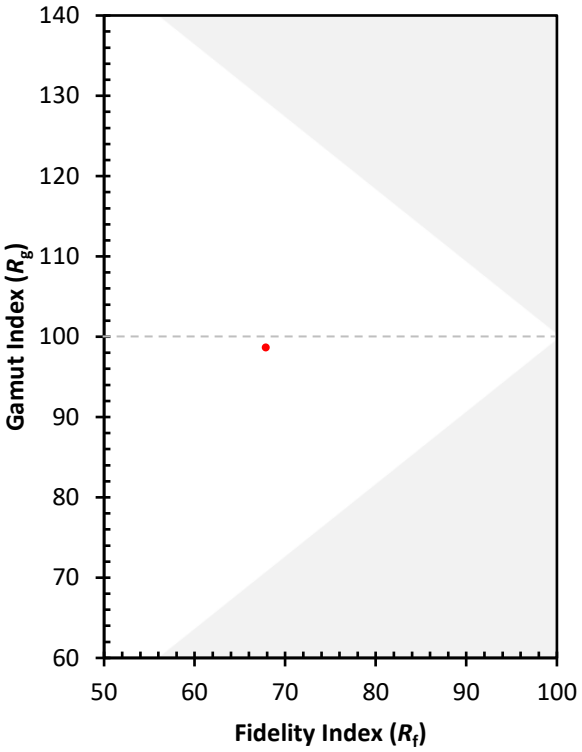


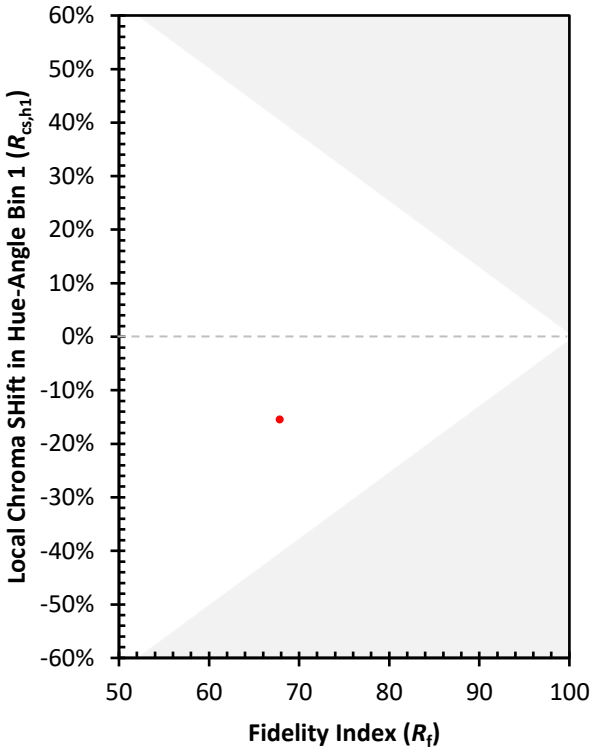


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Measure Comparisons





(END OF REPORT)