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: P1361519

Luminaire Tested: **GSS-SB5A-730-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:	P1361519
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-730-U-5MQ
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 3000K FIXTURE w/ TYPE V SQUARE MEDIUM DISTRIBUTION OPTIC
Light Source:	(130) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21988.5 lumens
Efficiency:	N/A
Efficacy:	153.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

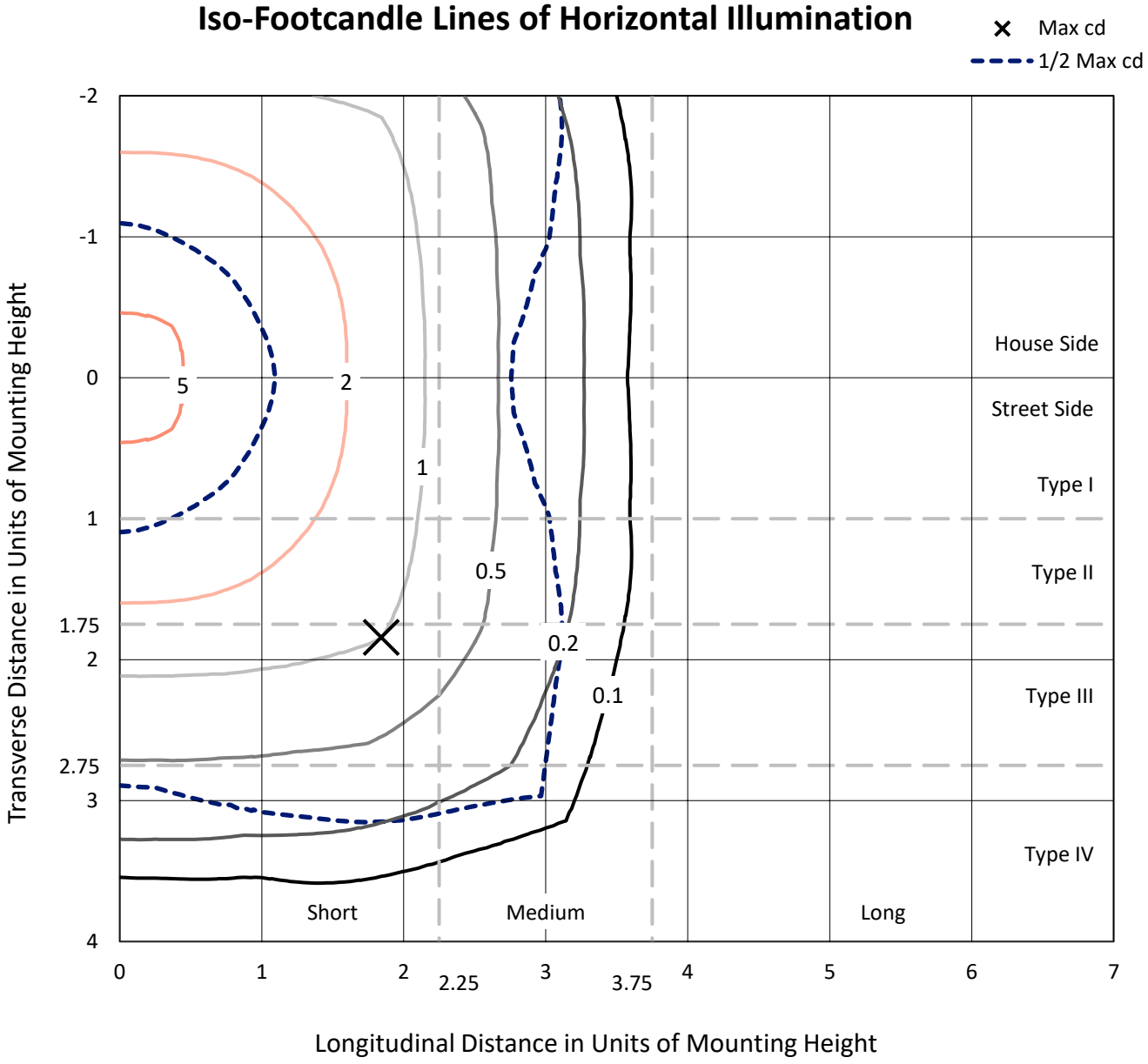
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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CATALOG NUMBER: GSS-SB5A-730-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination



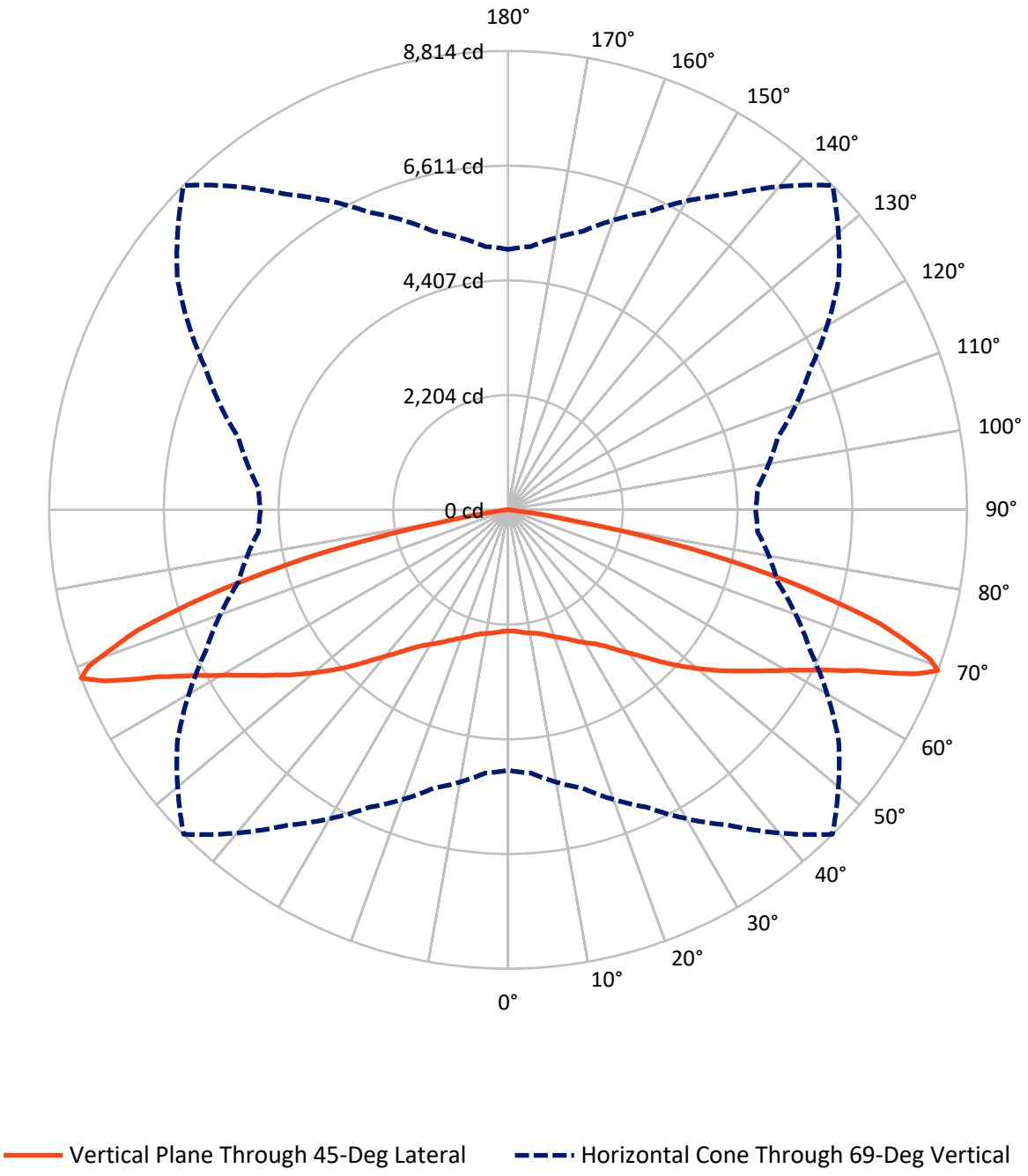
Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
Type V - Short - N/A

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REPORT NUMBER: P1361519
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Luminous Intensity Polar Plot



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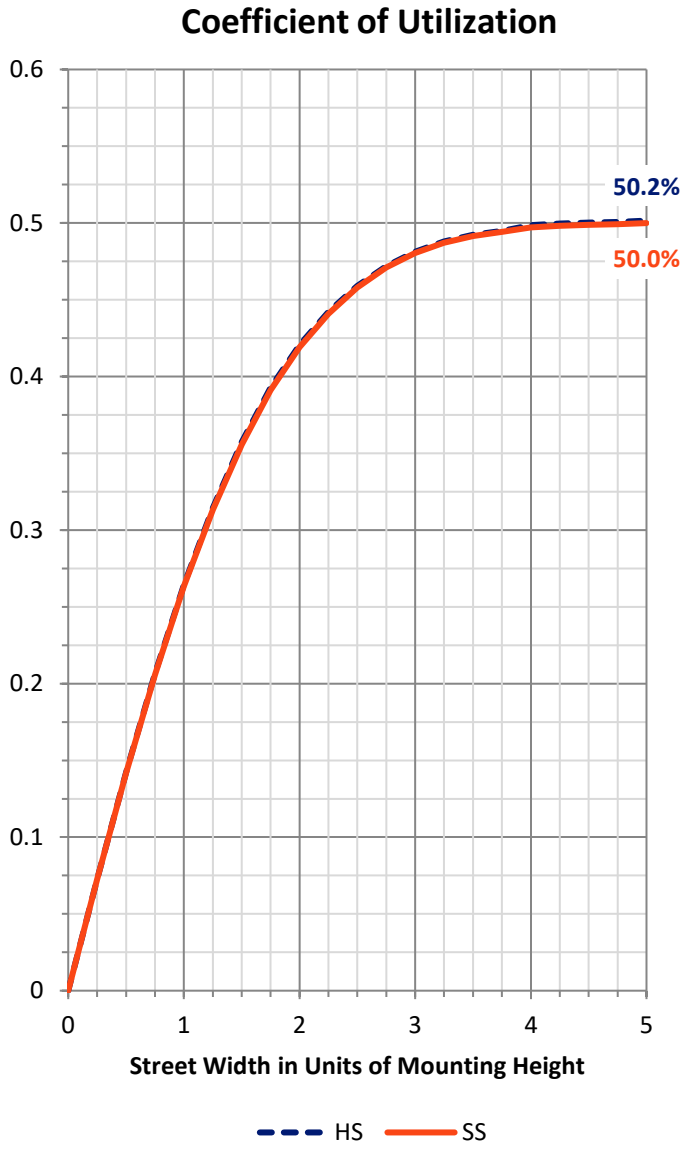
REPORT NUMBER: P1361519
CATALOG NUMBER: GSS-SB5A-730-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10994.3	0.0	10994.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10994.3	0.0	10994.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	21988.5	0.0	21988.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.7	1.0
10°-20°	703.9	3.2
20°-30°	1262.8	5.7
30°-40°	2032.8	9.2
40°-50°	3244.7	14.8
50°-60°	4808.0	21.9
60°-70°	6174.2	28.1
70°-80°	3420.0	15.6
80°-90°	115.5	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°	21988.5	100.0
0°-180°	21988.5	100.0



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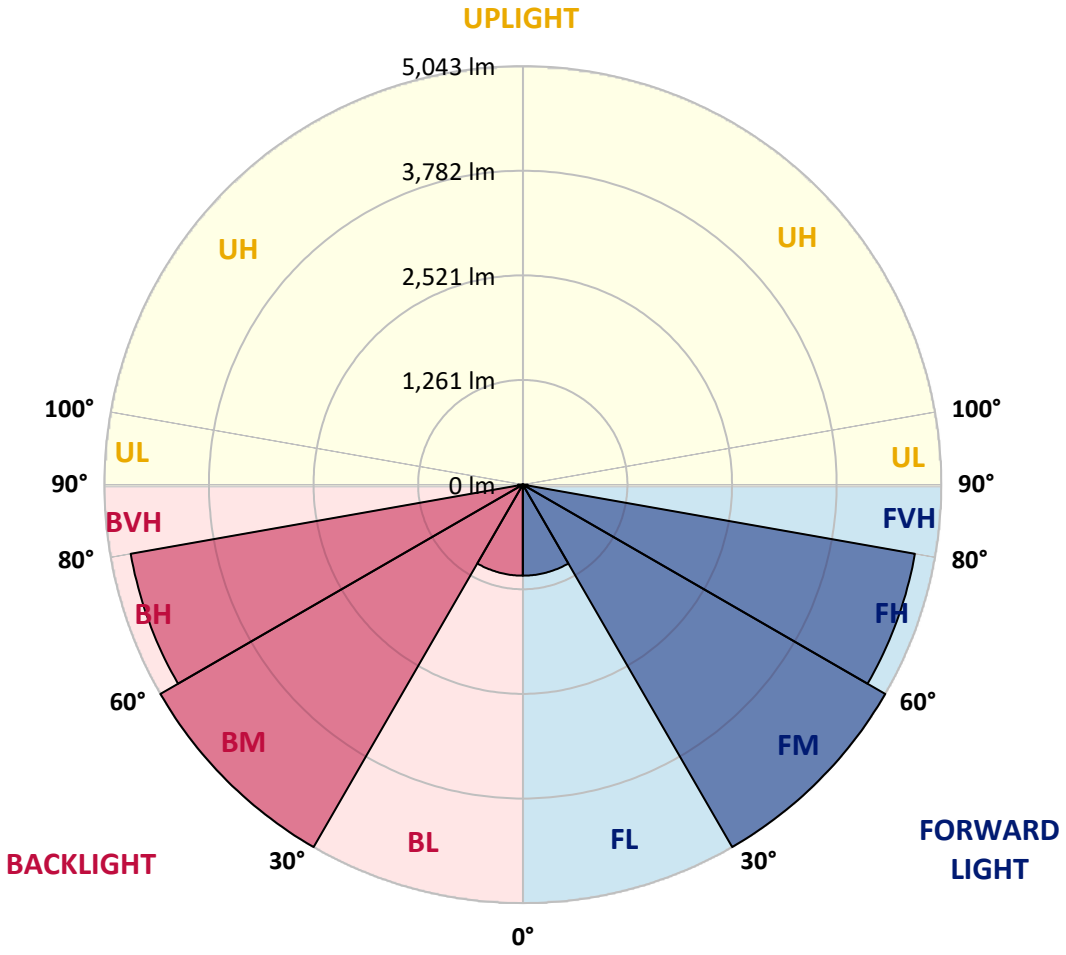
Scaled Data Report

REPORT NUMBER: P1361519
CATALOG NUMBER: GSS-SB5A-730-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1096.7	5.0			
FM	(30°-60°)	5042.7	22.9			
FH	(60°-80°)	4797.1	21.8			G2/5000
FVH	(80°-90°)	57.7	0.3			G1/100
BL	(0°-30°)	1096.7	5.0	B3/2500		
BM	(30°-60°)	5042.7	22.9	B4/8500		
BH	(60°-80°)	4797.1	21.8	B4/5000		G2/5000
BVH	(80°-90°)	57.7	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°	2327.2	2327.2	2327.2	2327.2	2327.2	*2327.2*	2327.2	2327.2	2327.2	2327.2	2327.2
2.5°	2352.5	2342.4	2342.4	2337.3	2332.3	*2332.3*	2337.3	2332.3	2342.4	2337.3	2337.3
5°	2367.6	2357.5	2357.5	2362.6	2352.5	*2357.5*	2362.6	2352.5	2367.6	2357.5	2357.5
7.5°	2387.8	2382.8	2377.7	2387.8	2382.8	*2382.8*	2392.9	2382.8	2392.9	2377.7	2372.7
10°	2418.1	2403.0	2403.0	2408.0	2403.0	*2408.0*	2418.1	2408.0	2408.0	2397.9	2397.9
12.5°	2438.3	2433.3	2428.2	2433.3	2433.3	*2433.3*	2438.3	2428.2	2433.3	2428.2	2423.2
15°	2468.6	2463.6	2463.6	2463.6	2468.6	*2478.7*	2473.6	2458.5	2463.6	2453.5	2453.5
17.5°	2514.0	2503.9	2509.0	2514.0	2524.1	*2539.3*	2524.1	2503.9	2503.9	2493.8	2488.8
20°	2564.5	2559.5	2564.5	2574.6	2584.7	*2604.9*	2584.7	2564.5	2554.4	2544.3	2534.2
22.5°	2620.0	2615.0	2630.1	2640.2	2650.3	*2675.6*	2655.4	2635.2	2610.0	2599.9	2594.8
25°	2680.6	2675.6	2690.7	2721.0	2746.3	*2761.4*	2741.2	2705.9	2685.7	2665.5	2655.4
27.5°	2746.3	2746.3	2771.5	2801.8	2837.1	*2862.4*	2842.2	2796.7	2756.4	2736.2	2731.1
30°	2847.2	2847.2	2872.5	2912.8	2943.1	*2963.3*	2943.1	2907.8	2867.4	2847.2	2842.2
32.5°	2983.5	2983.5	3013.8	3044.1	3059.2	*3069.3*	3064.3	3049.2	3013.8	2983.5	2973.4
35°	3145.1	3150.1	3185.5	3210.7	3225.8	*3215.7*	3225.8	3215.7	3185.5	3160.2	3155.2
37.5°	3352.0	3352.0	3387.4	3412.6	3402.5	*3412.6*	3412.6	3417.7	3402.5	3367.2	3352.0
40°	3579.2	3584.3	3624.7	3639.8	3634.7	*3624.7*	3639.8	3654.9	3634.7	3599.4	3589.3
42.5°	3831.6	3841.7	3872.0	3902.3	3892.2	*3877.1*	3907.4	3917.5	3882.1	3851.8	3851.8
45°	4094.1	4094.1	4139.6	4195.1	4200.2	*4174.9*	4195.1	4200.2	4154.7	4114.3	4099.2
47.5°	4361.7	4371.8	4432.4	4493.0	4513.1	*4487.9*	4503.1	4508.1	4432.4	4392.0	4366.7
50°	4629.3	4644.4	4725.2	4821.1	4841.3	*4800.9*	4831.2	4811.0	4730.2	4644.4	4624.2
52.5°	4846.3	4881.7	5002.8	5134.1	5189.6	*5134.1*	5174.5	5139.1	5002.8	4891.8	4856.4
55°	5088.6	5113.9	5270.4	5442.0	5517.8	*5467.3*	5507.7	5447.1	5255.2	5118.9	5083.6
57.5°	5325.9	5336.0	5512.7	5755.0	5876.2	*5835.8*	5840.8	5724.7	5517.8	5341.1	5290.6
60°	5512.7	5543.0	5770.2	6052.9	6244.7	*6249.7*	6204.3	6027.6	5785.3	5583.4	5543.0
62.5°	5270.4	5336.0	5744.9	6345.7	6658.7	*6774.8*	6638.5	6365.9	5840.8	5477.4	5416.8
65°	5108.8	5149.2	5457.2	6189.2	7153.4	*7441.1*	7168.5	6325.5	5649.0	5361.3	5305.7
67.5°	5214.9	5265.3	5608.6	6174.0	7269.5	*8415.5*	7486.6	6456.7	5765.1	5315.8	5260.3
69°	*5002.8*	*5078.6*	*5537.9*	*6305.3*	*7395.7*	*8814.3*	*7754.1*	*6406.2*	*5361.3*	*4811.0*	*4755.5*
70°	4760.5	4826.1	5320.9	6234.6	7577.4	*8602.2*	7860.1	6098.3	4967.5	4442.5	4392.0
72.5°	3710.5	3781.1	4361.7	5507.7	7188.7	*7476.5*	6860.6	5093.7	4119.4	3649.9	3594.4
75°	1226.7	1352.9	1903.2	3437.9	4624.2	*5669.2*	4432.4	3422.7	2211.1	1671.0	1504.4
77.5°	262.5	282.7	494.7	883.4	1918.3	*3629.7*	2155.6	843.1	454.3	318.0	287.8
80°	141.4	151.4	207.0	257.5	474.5	*1297.4*	414.0	227.2	217.1	156.5	146.4
82.5°	90.9	90.9	116.1	141.4	181.7	*242.3*	161.5	136.3	121.2	85.8	85.8
85°	50.5	50.5	55.5	70.7	70.7	*75.7*	70.7	65.6	55.5	50.5	45.4
87.5°	30.3	35.3	35.3	30.3	30.3	*30.3*	30.3	30.3	30.3	35.3	30.3
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

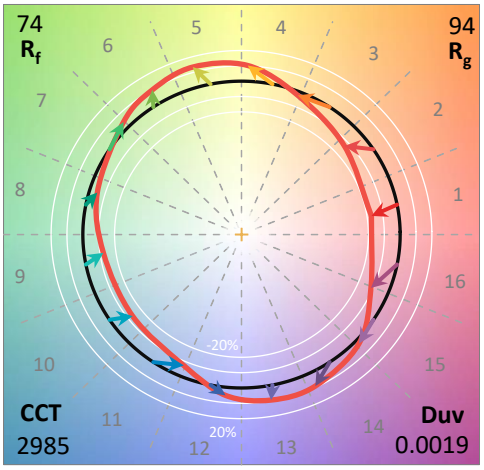
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

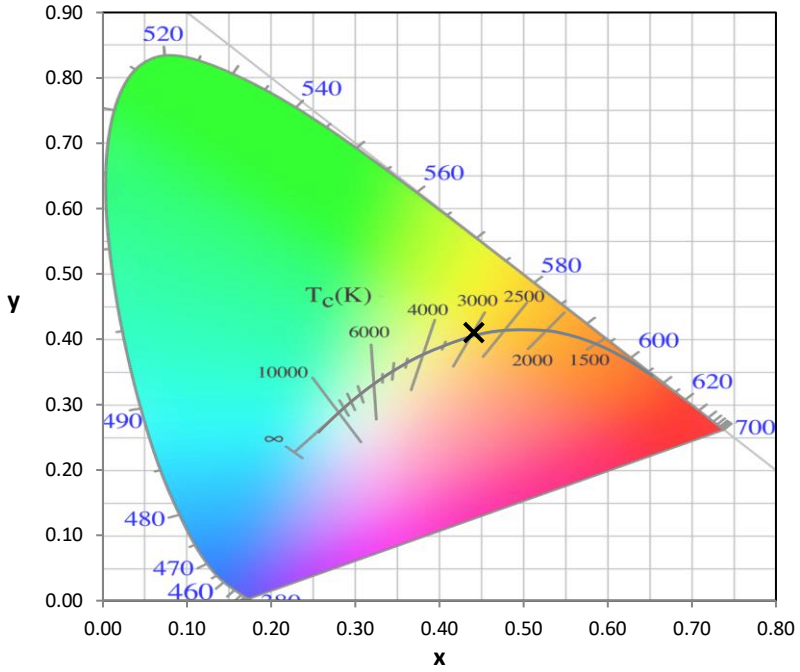
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

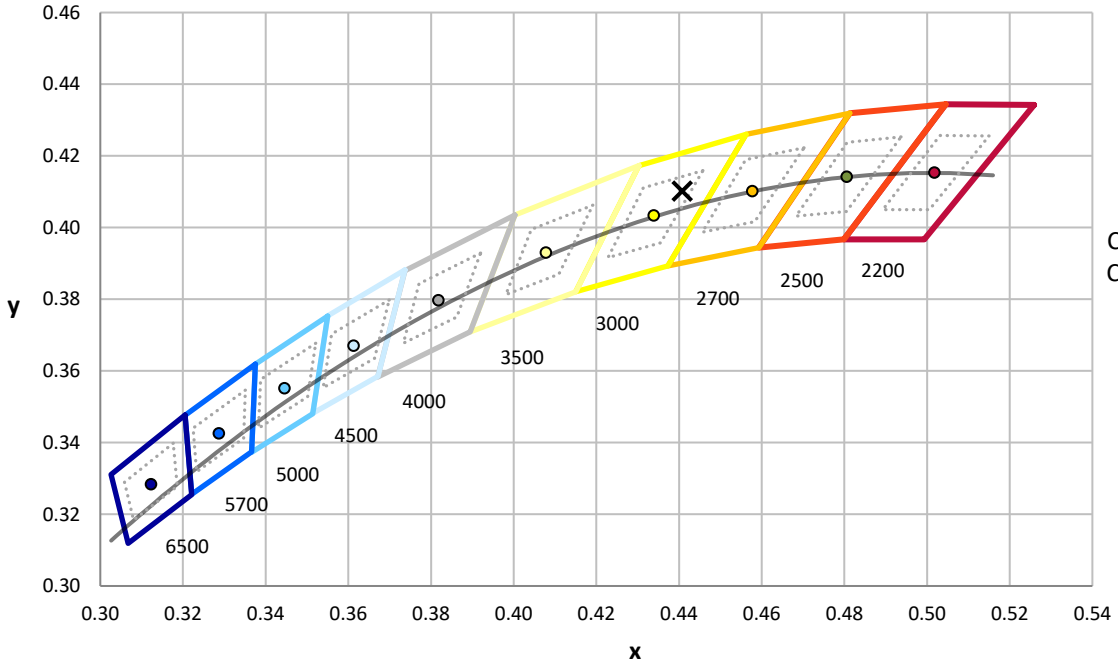
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

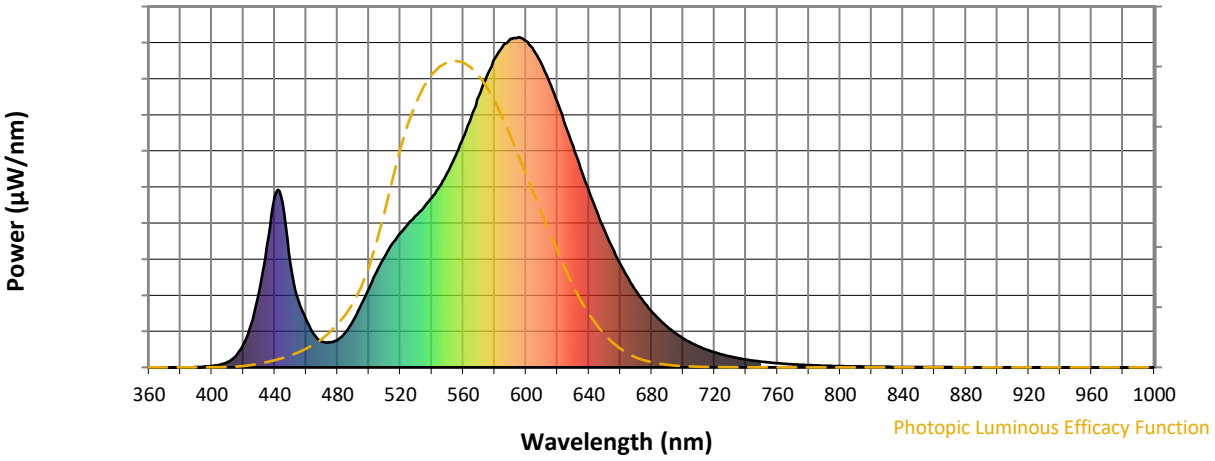


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

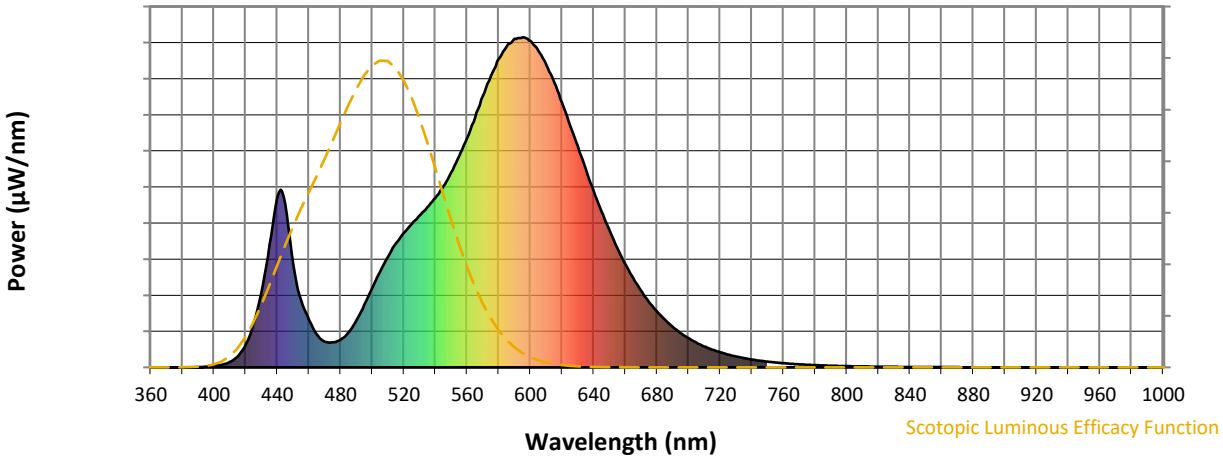


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

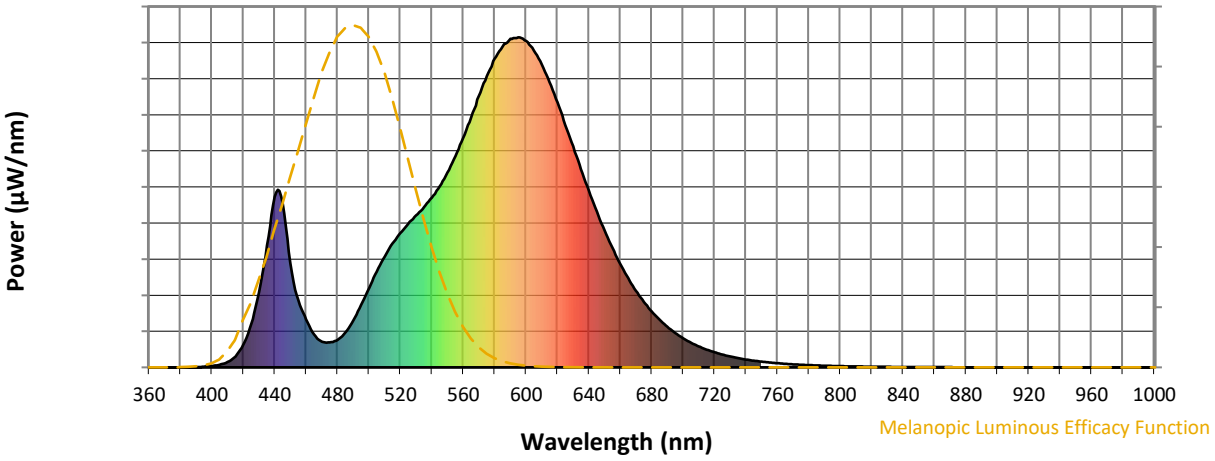


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

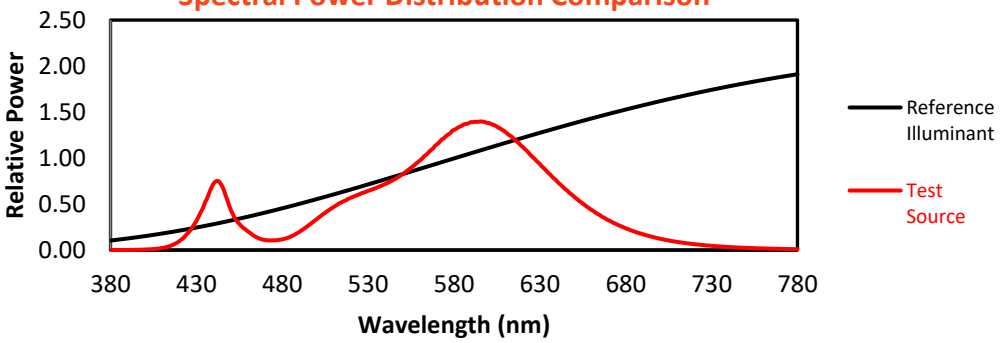
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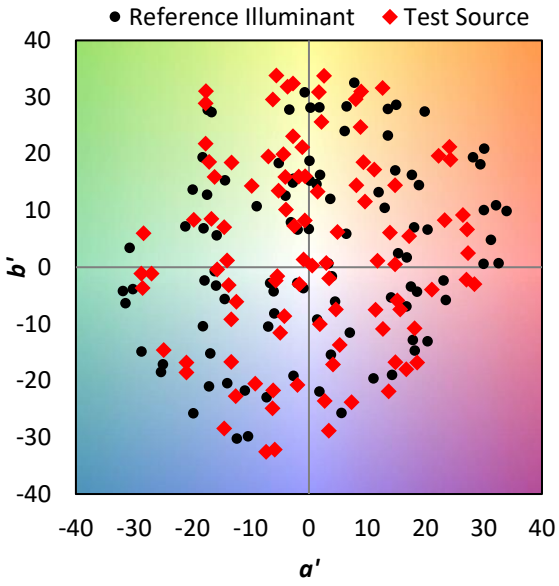
Summary

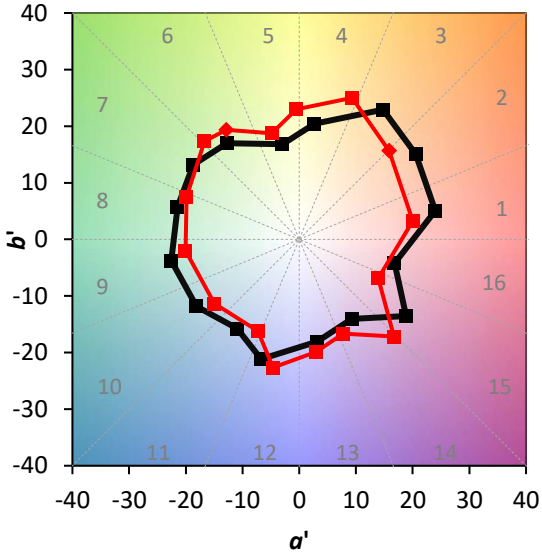
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

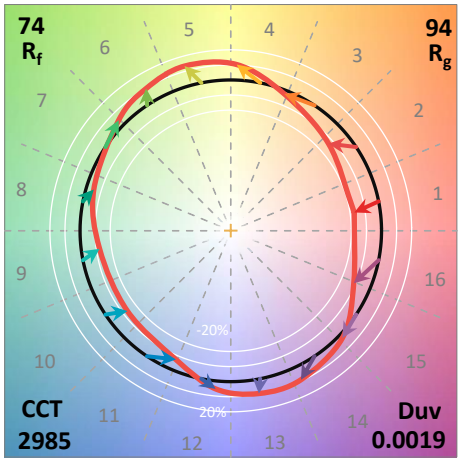
Spectral Power Distribution Comparison

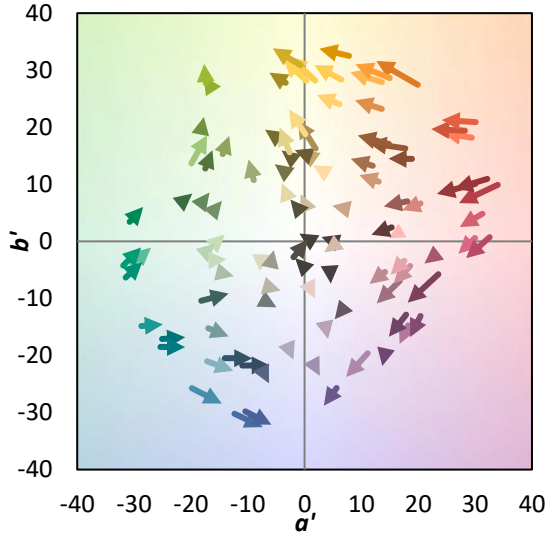


Color Vector Graphics







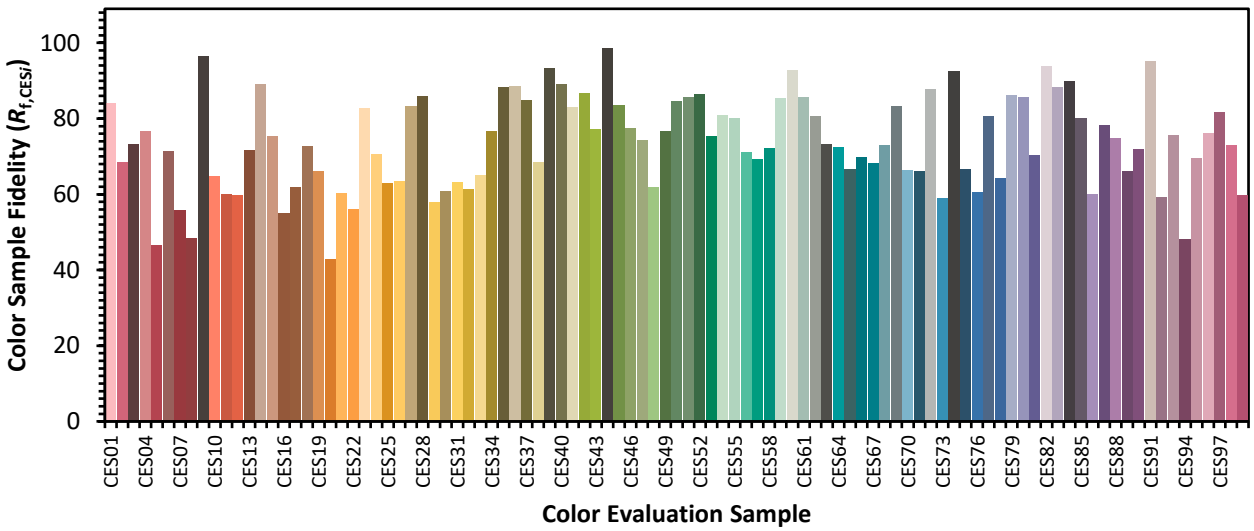


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Individual Sample Fidelity Index ($R_{f,i}$)

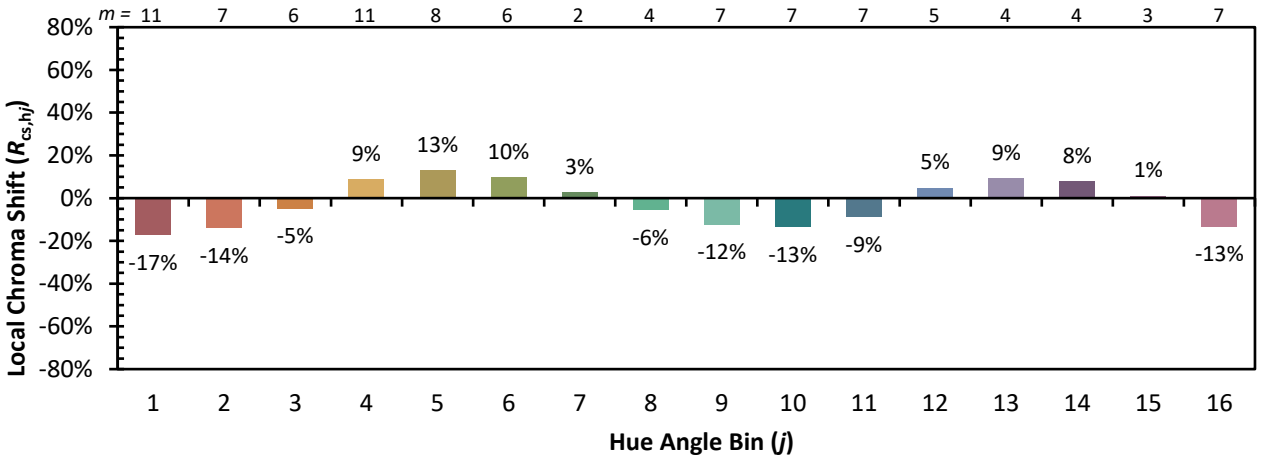
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

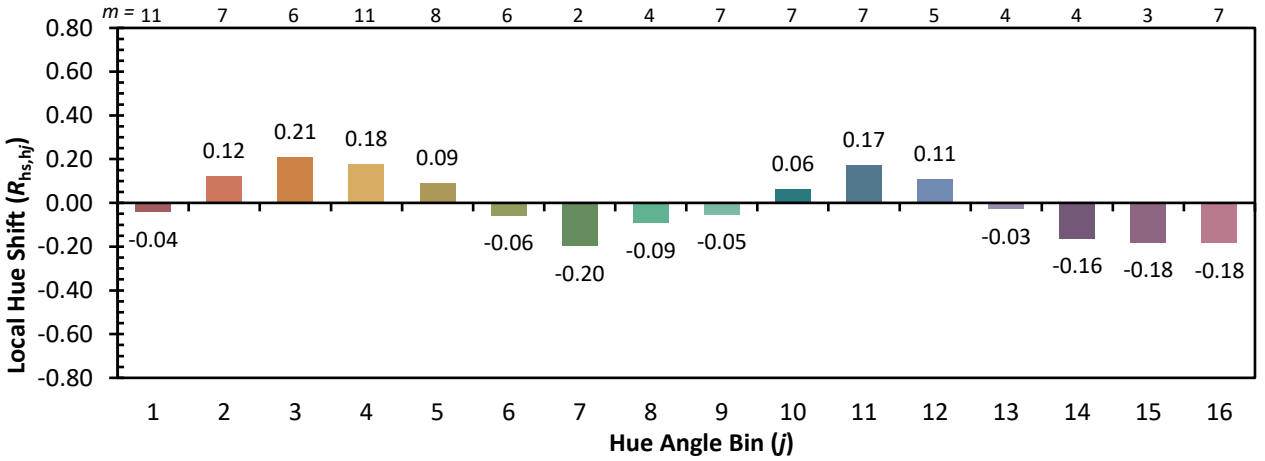


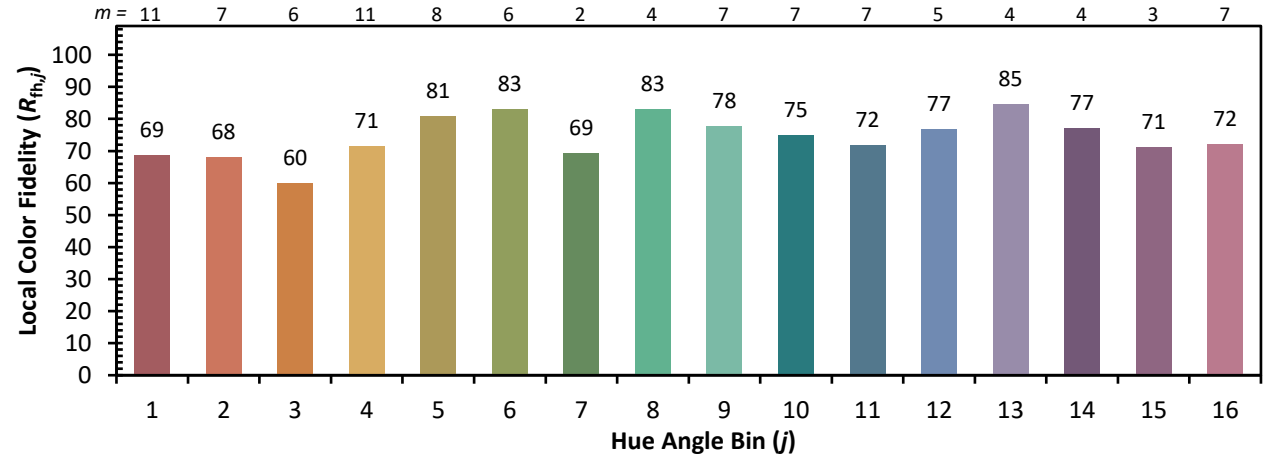
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Color Rendition by Hue-Angle Bin



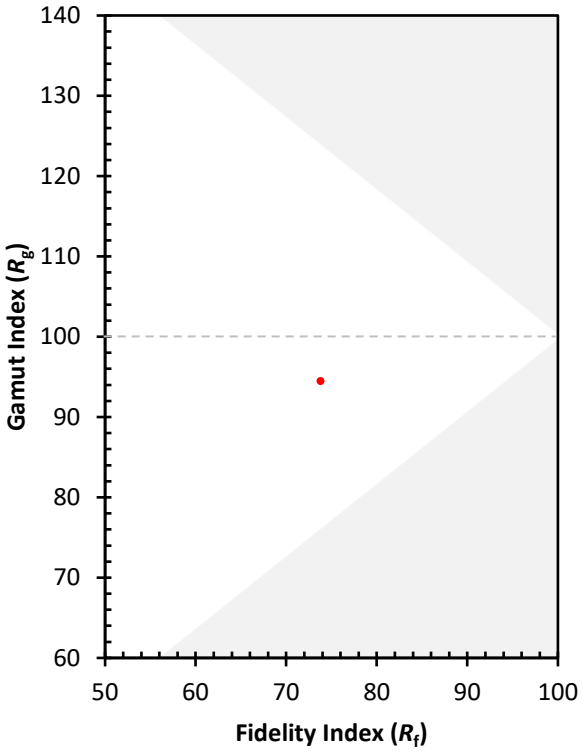


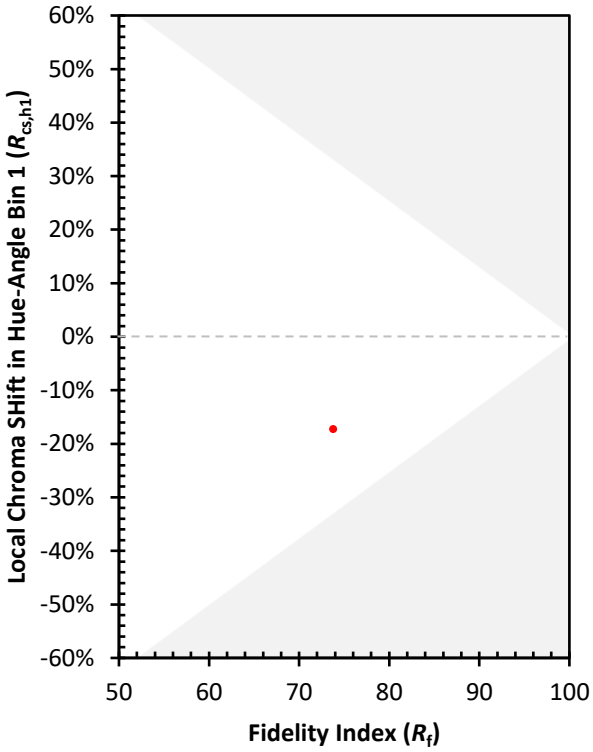


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Measure Comparisons





(END OF REPORT)