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: P1361894

Luminaire Tested: **GSS-SB2D-730-U-5NQ**

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:	P1361894
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2D-730-U-5NQ
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 147W 70CRI 3000K FIXTURE w/ TYPE V SQUARE NARROW DISTRIBUTION OPTIC
Light Source:	(52) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19789.7 lumens
Efficiency:	N/A
Efficacy:	134.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

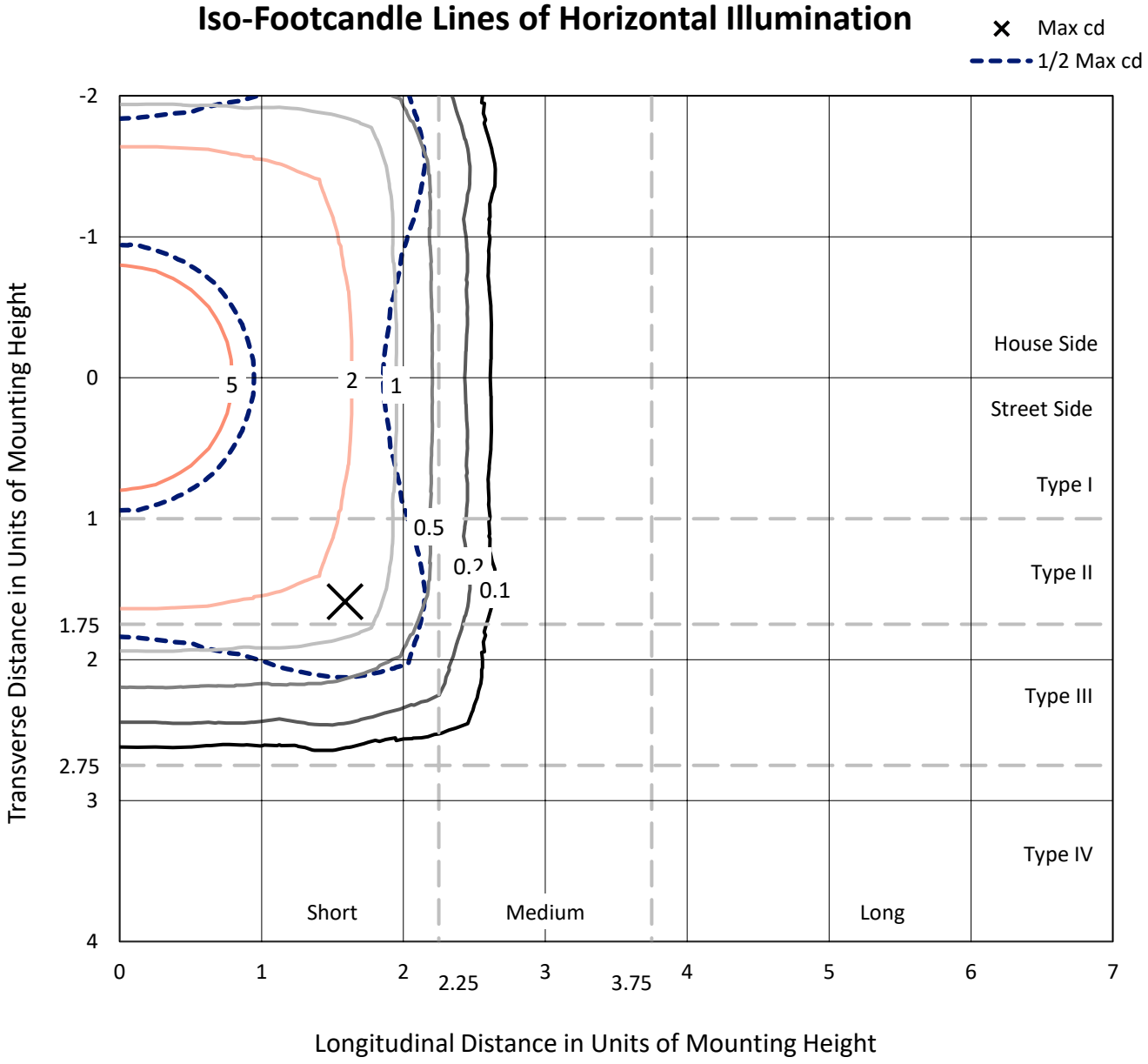
Input Watts (W):	147
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	3.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1361894
CATALOG NUMBER: GSS-SB2D-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination



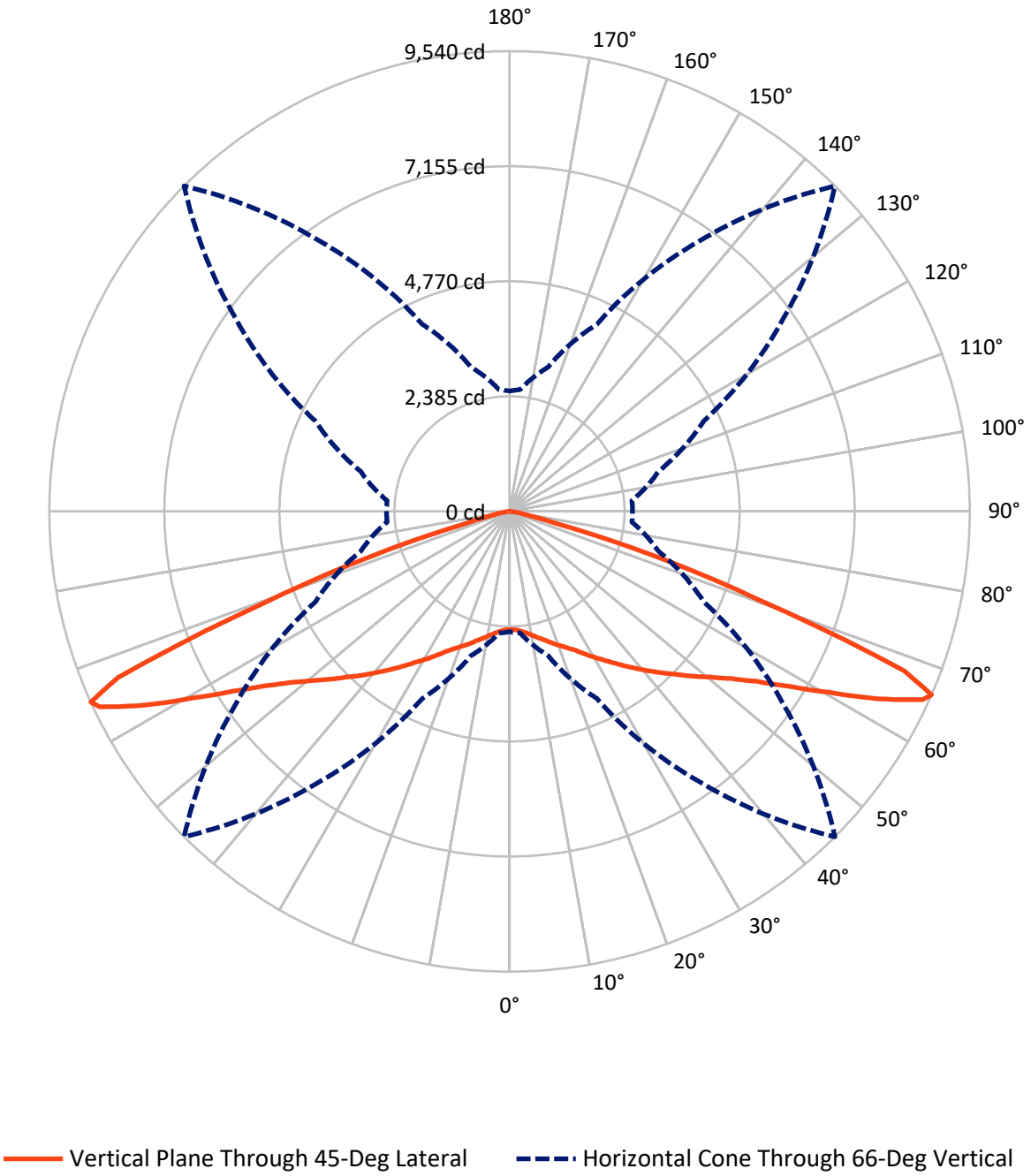
Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
Type V - Short - N/A

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REPORT NUMBER: P1361894
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Luminous Intensity Polar Plot



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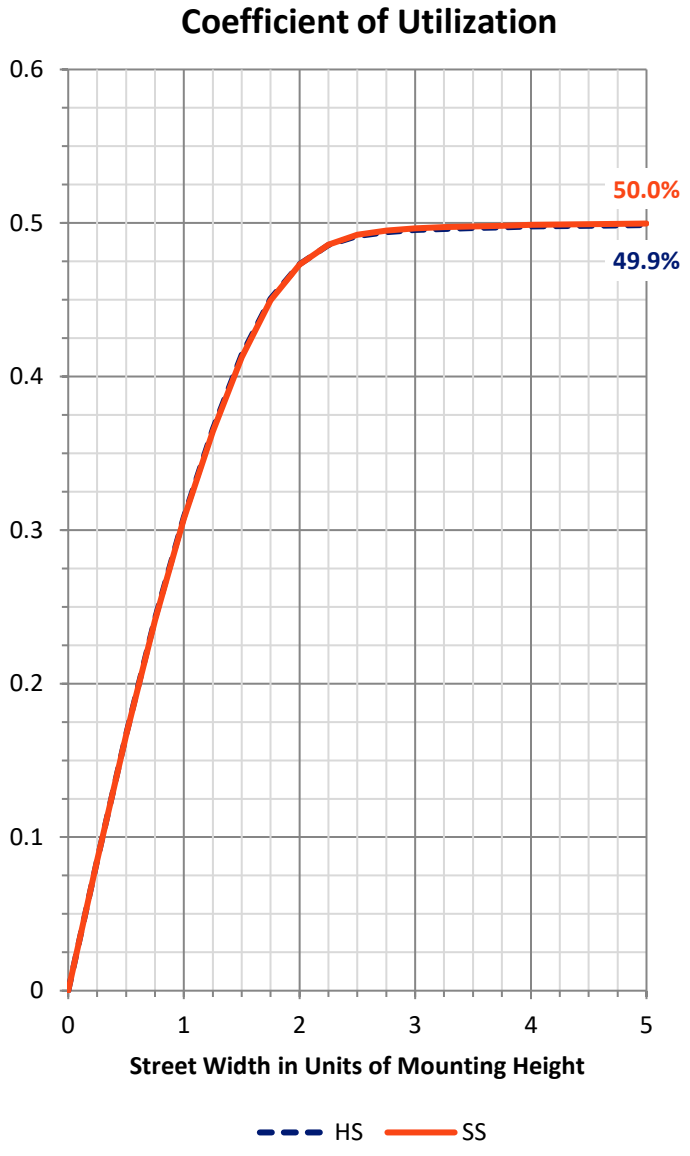
REPORT NUMBER: P1361894
CATALOG NUMBER: GSS-SB2D-730-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9894.8	0.0	9894.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9894.8	0.0	9894.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	19789.7	0.0	19789.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.9	1.2
10°-20°	789.2	4.0
20°-30°	1493.8	7.5
30°-40°	2452.4	12.4
40°-50°	3783.0	19.1
50°-60°	5483.2	27.7
60°-70°	4825.6	24.4
70°-80°	668.5	3.4
80°-90°	52.0	0.3
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°	19789.7	100.0
0°-180°	19789.7	100.0



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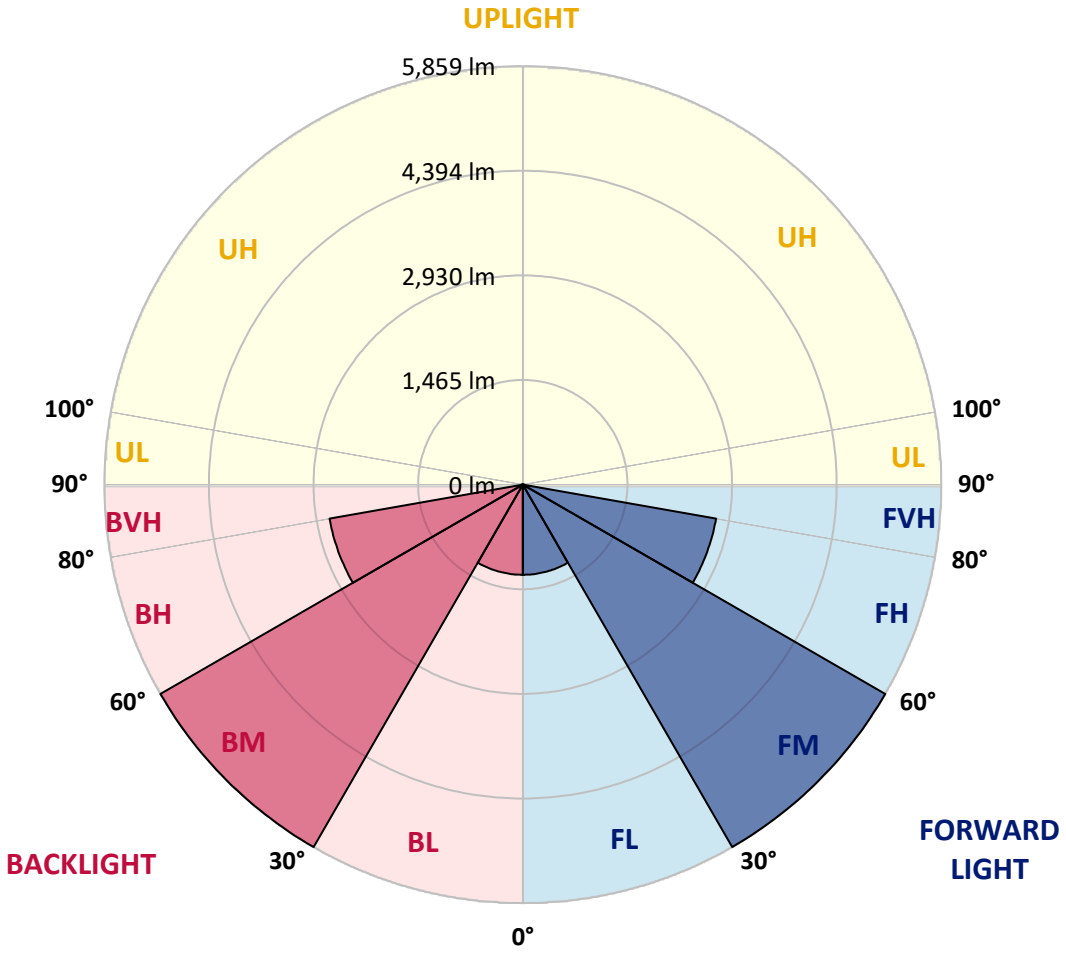
Scaled Data Report

REPORT NUMBER: P1361894
CATALOG NUMBER: GSS-SB2D-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1262.5	6.4			
FM	(30°-60°)	5859.3	29.6			
FH	(60°-80°)	2747.0	13.9			G2/5000
FVH	(80°-90°)	26.0	0.1			G1/100
BL	(0°-30°)	1262.5	6.4	B3/2500		
BM	(30°-60°)	5859.3	29.6	B4/8500		
BH	(60°-80°)	2747.0	13.9	B4/5000		G2/5000
BVH	(80°-90°)	26.0	0.1			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°	2449.9	2449.9	2449.9	2449.9	2449.9	*2449.9*	2449.9	2449.9	2449.9	2449.9	2449.9
2.5°	2463.1	2458.7	2449.9	2454.3	2449.9	*2458.7*	2471.9	2454.3	2463.1	2467.5	2463.1
5°	2493.9	2493.9	2480.7	2489.5	2489.5	*2493.9*	2498.3	2489.5	2498.3	2498.3	2498.3
7.5°	2551.2	2555.6	2542.4	2542.4	2546.8	*2546.8*	2555.6	2551.2	2551.2	2555.6	2560.0
10°	2617.3	2617.3	2604.1	2604.1	2608.5	*2612.9*	2617.3	2608.5	2612.9	2612.9	2612.9
12.5°	2687.8	2683.4	2670.2	2674.6	2674.6	*2692.2*	2692.2	2679.0	2674.6	2674.6	2674.6
15°	2758.3	2758.3	2749.5	2753.9	2767.1	*2771.5*	2775.9	2749.5	2749.5	2740.7	2740.7
17.5°	2855.2	2846.4	2846.4	2842.0	2859.6	*2872.9*	2864.0	2837.6	2842.0	2833.2	2833.2
20°	2965.4	2956.6	2943.4	2952.2	2952.2	*2965.4*	2961.0	2938.9	2938.9	2938.9	2938.9
22.5°	3084.4	3079.9	3066.7	3079.9	3075.5	*3071.1*	3075.5	3071.1	3062.3	3066.7	3071.1
25°	3212.1	3203.3	3194.5	3216.5	3203.3	*3194.5*	3207.7	3207.7	3198.9	3194.5	3212.1
27.5°	3344.3	3335.5	3335.5	3357.5	3335.5	*3353.1*	3357.5	3344.3	3339.9	3335.5	3348.7
30°	3489.7	3480.9	3489.7	3511.8	3498.5	*3520.6*	3520.6	3511.8	3485.3	3485.3	3494.1
32.5°	3666.0	3652.8	3666.0	3679.2	3679.2	*3692.4*	3696.8	3683.6	3679.2	3661.6	3683.6
35°	3864.3	3855.4	3855.4	3868.7	3868.7	*3890.7*	3890.7	3881.9	3873.1	3864.3	3873.1
37.5°	4102.2	4071.3	4089.0	4084.6	4089.0	*4106.6*	4106.6	4075.7	4093.4	4080.2	4097.8
40°	4326.9	4291.7	4335.7	4322.5	4331.3	*4326.9*	4335.7	4322.5	4318.1	4300.5	4318.1
42.5°	4573.7	4547.2	4586.9	4586.9	4591.3	*4569.2*	4582.5	4578.1	4578.1	4547.2	4556.0
45°	4860.1	4816.0	4873.3	4873.3	4860.1	*4816.0*	4864.5	4855.6	4864.5	4820.4	4833.6
47.5°	5137.6	5102.4	5190.5	5199.3	5164.1	*5102.4*	5159.7	5168.5	5164.1	5102.4	5124.4
50°	5428.5	5393.2	5499.0	5565.1	5507.8	*5402.0*	5476.9	5529.8	5499.0	5388.8	5397.6
52.5°	5692.8	5675.2	5829.4	5939.6	5873.5	*5754.5*	5860.3	5895.5	5820.6	5675.2	5679.6
55°	5891.1	5895.5	6115.8	6322.9	6322.9	*6221.6*	6296.5	6274.5	6089.4	5877.9	5869.1
57.5°	5922.0	5944.0	6248.0	6671.0	6869.3	*6842.9*	6803.2	6582.9	6204.0	5877.9	5860.3
60°	5300.7	5397.6	5935.2	6812.0	7389.2	*7618.3*	7327.5	6671.0	5904.3	5424.1	5380.0
62.5°	4190.3	4247.6	4824.8	6168.7	7807.8	*8552.5*	7671.2	6217.2	4970.2	4379.8	4318.1
65°	3079.9	3172.5	3666.0	4820.4	7354.0	*9411.7*	7345.2	4965.8	3776.1	3256.2	3216.5
66°	*2493.9*	*2533.6*	*3097.6*	*4278.4*	*6825.2*	*9539.5*	*6904.5*	*4445.9*	*3194.5*	*2546.8*	*2551.2*
67.5°	1498.1	1542.2	2075.3	3353.1	5719.3	*8821.2*	6014.5	3463.3	2079.7	1529.0	1405.6
70°	542.0	559.6	727.0	1361.5	3846.6	*5454.9*	3996.4	1352.7	691.8	555.2	537.6
72.5°	330.5	334.9	370.1	515.5	1185.3	*3027.1*	1150.0	519.9	370.1	317.2	317.2
75°	189.5	189.5	251.2	308.4	440.6	*960.6*	427.4	312.8	255.6	224.7	215.9
77.5°	136.6	141.0	185.1	211.5	255.6	*387.7*	260.0	193.9	163.0	132.2	132.2
80°	96.9	101.3	123.4	149.8	176.2	*220.3*	141.0	123.4	119.0	83.7	83.7
82.5°	66.1	66.1	70.5	88.1	92.5	*88.1*	74.9	79.3	74.9	57.3	52.9
85°	26.4	26.4	30.8	35.2	35.2	*30.8*	35.2	39.7	35.2	26.4	26.4
87.5°	13.2	13.2	13.2	13.2	13.2	*13.2*	13.2	13.2	13.2	13.2	13.2
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

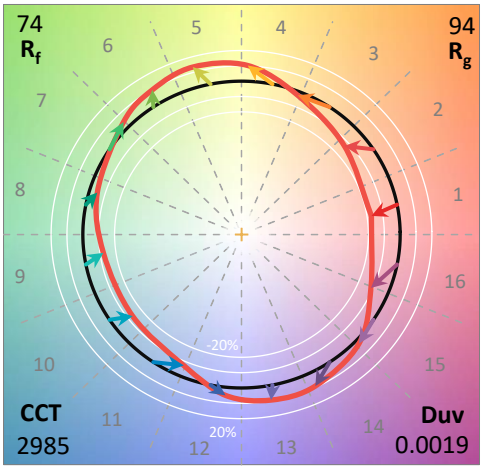
Test Information

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

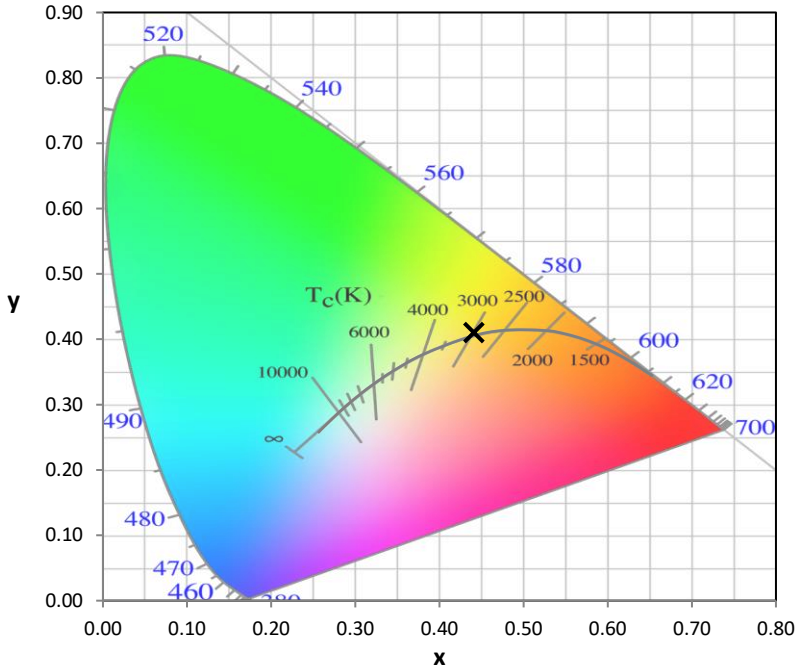
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

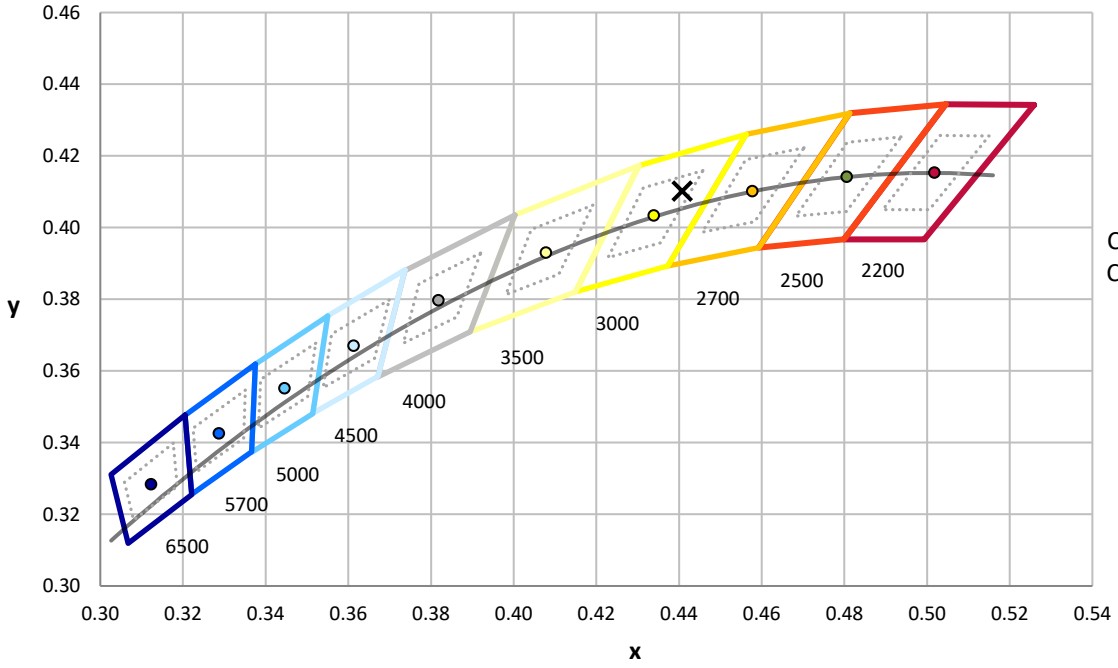
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

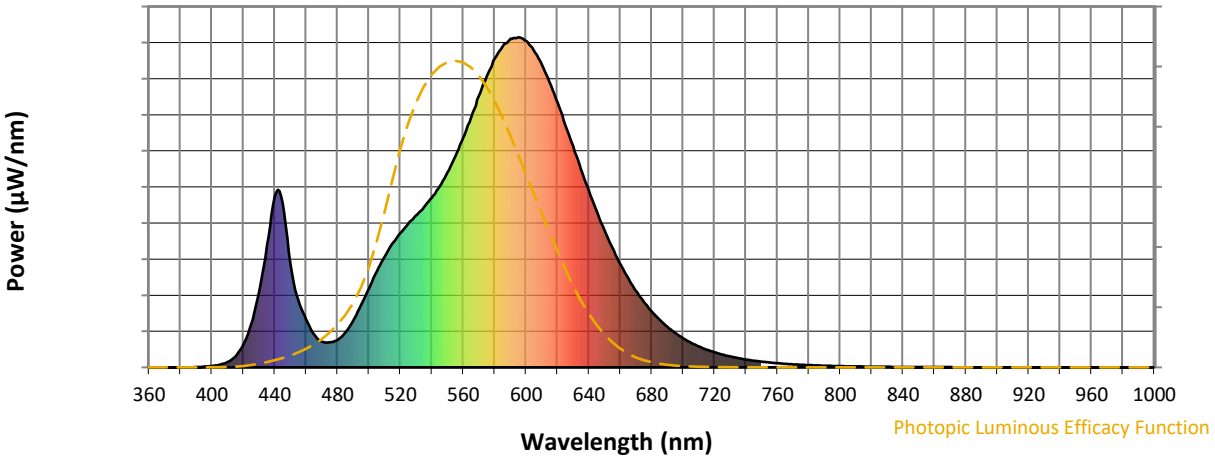


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

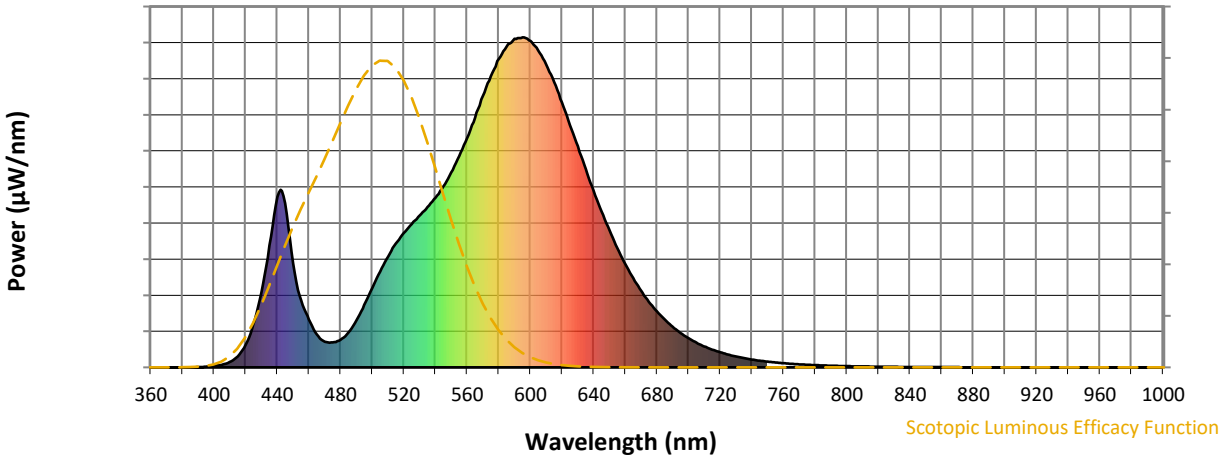


Photopic Lumens: NR

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

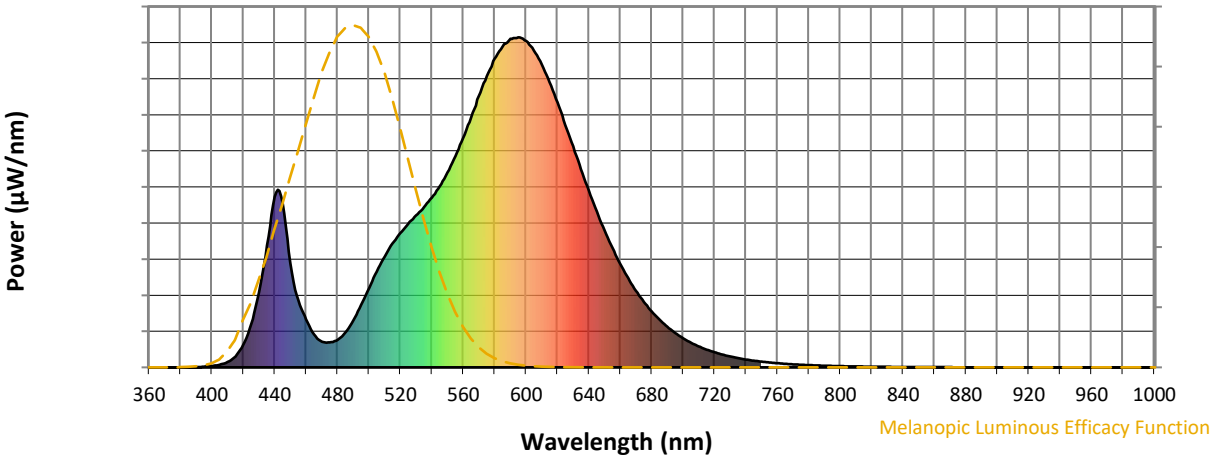


Scotopic Lumens: NR **S/P: 1.19**

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			

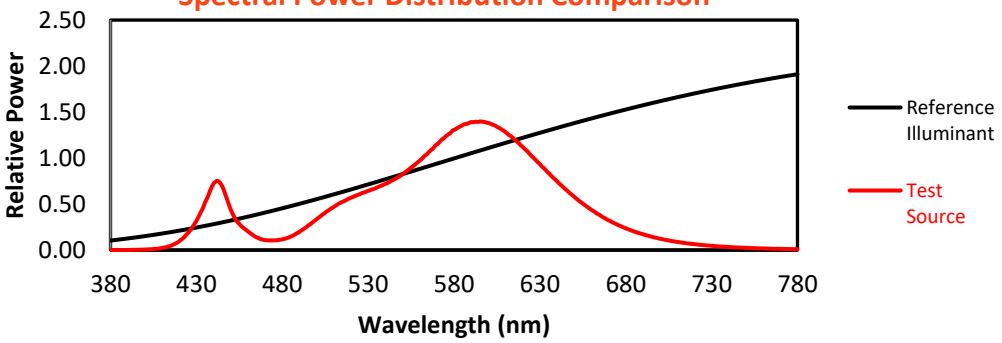
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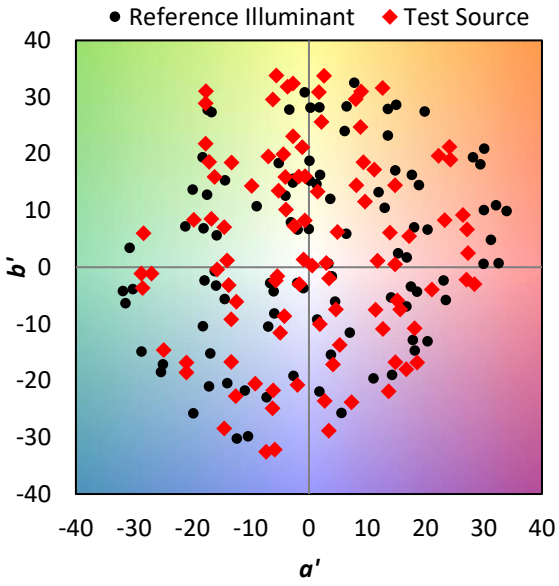
Summary

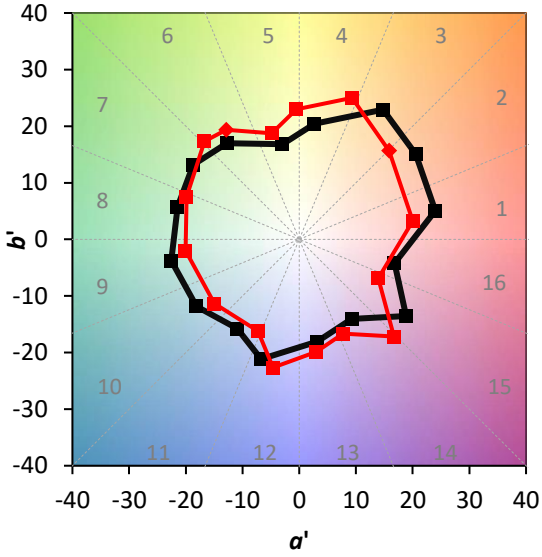
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

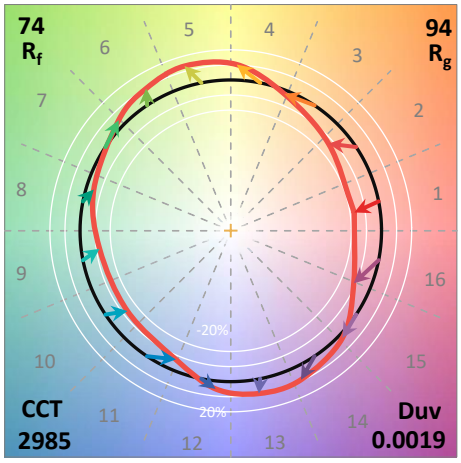
Spectral Power Distribution Comparison

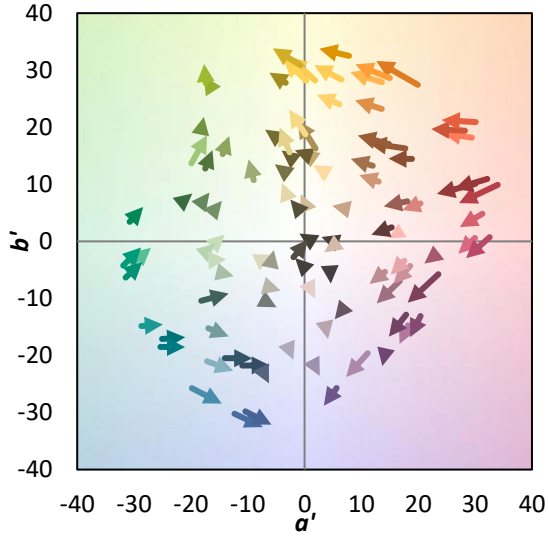


Color Vector Graphics







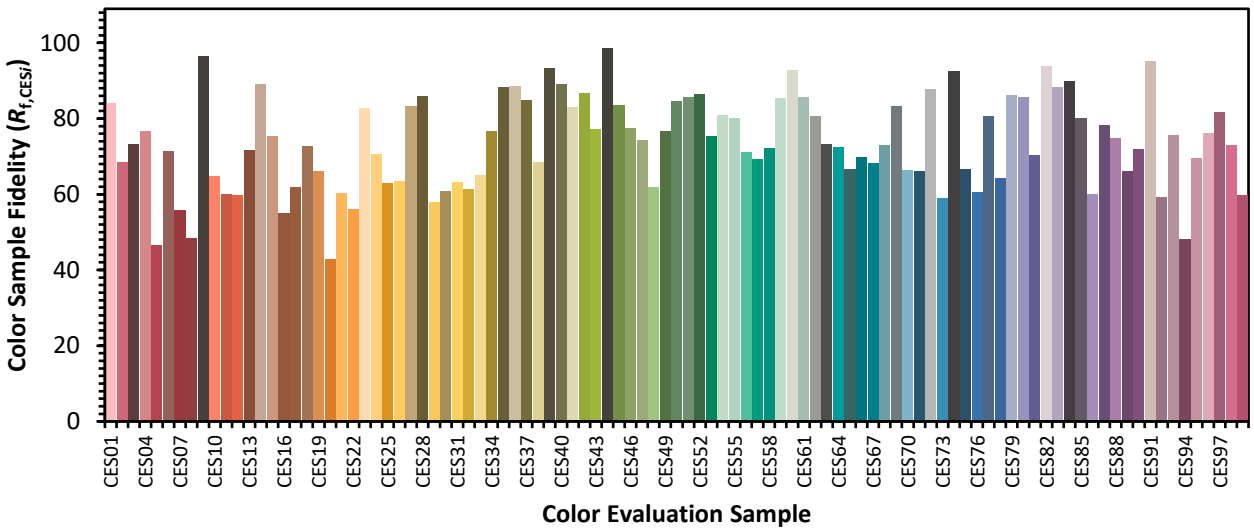


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Individual Sample Fidelity Index ($R_{f,i}$)

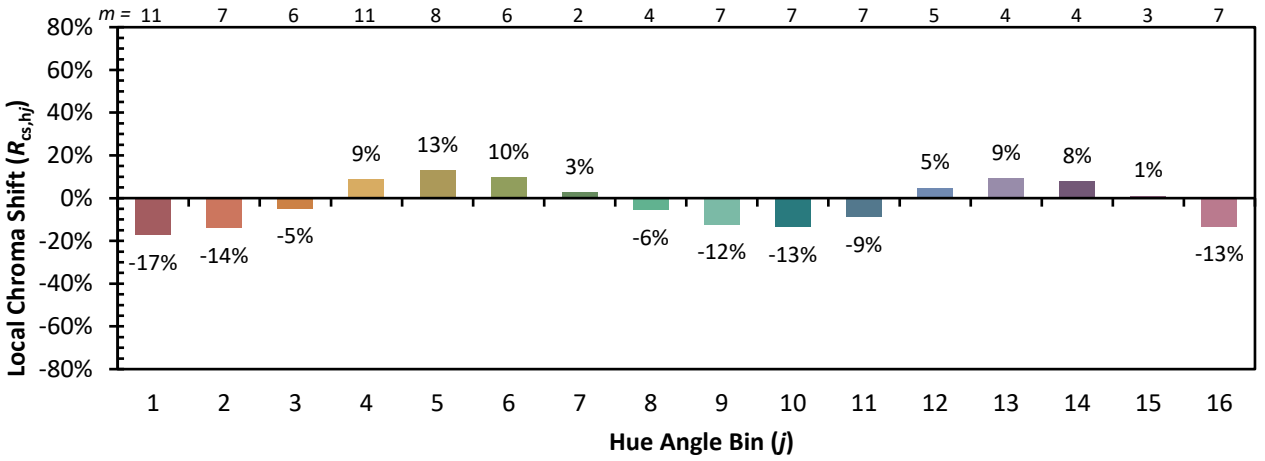
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 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	

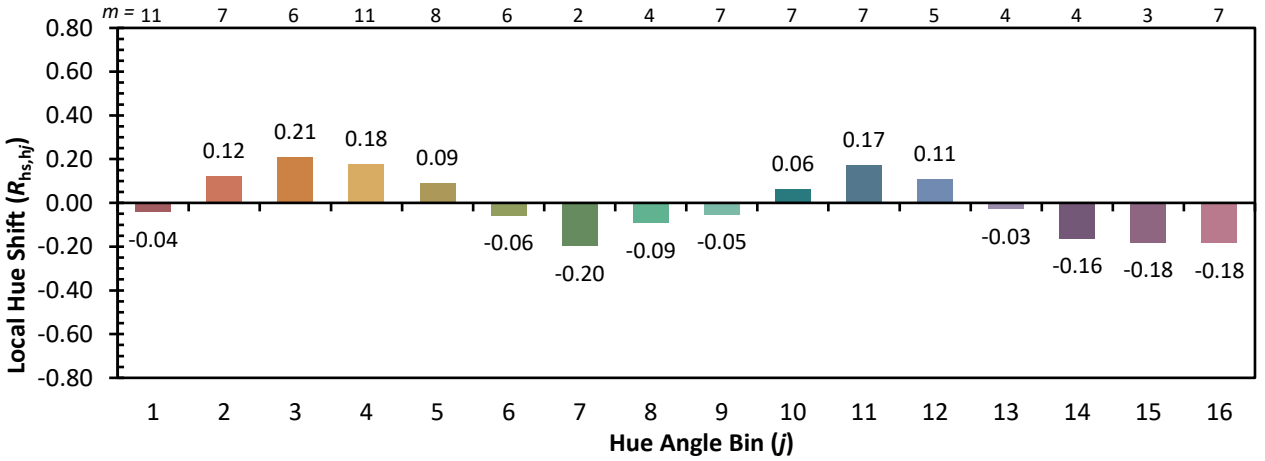


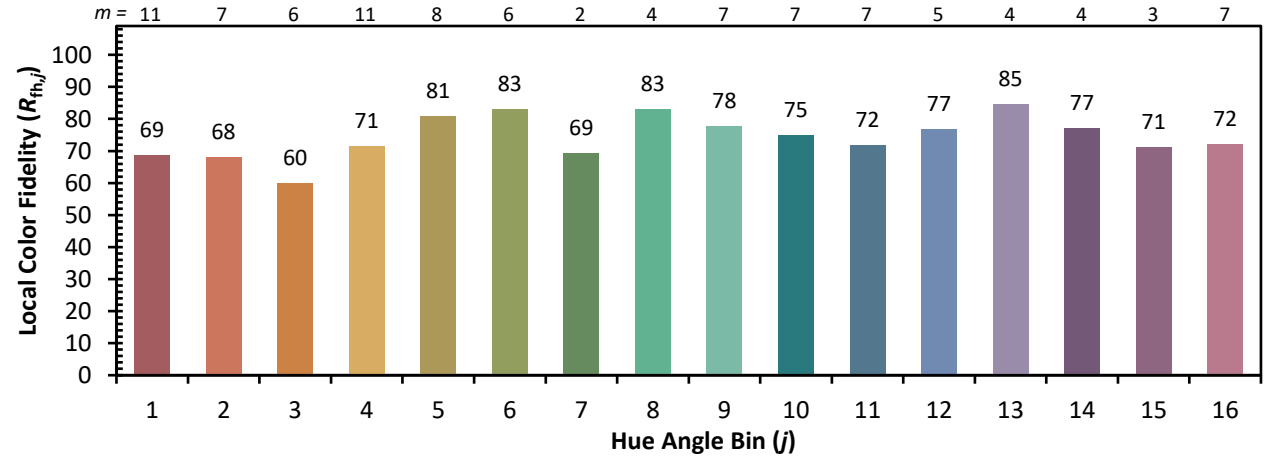
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Color Rendition by Hue-Angle Bin



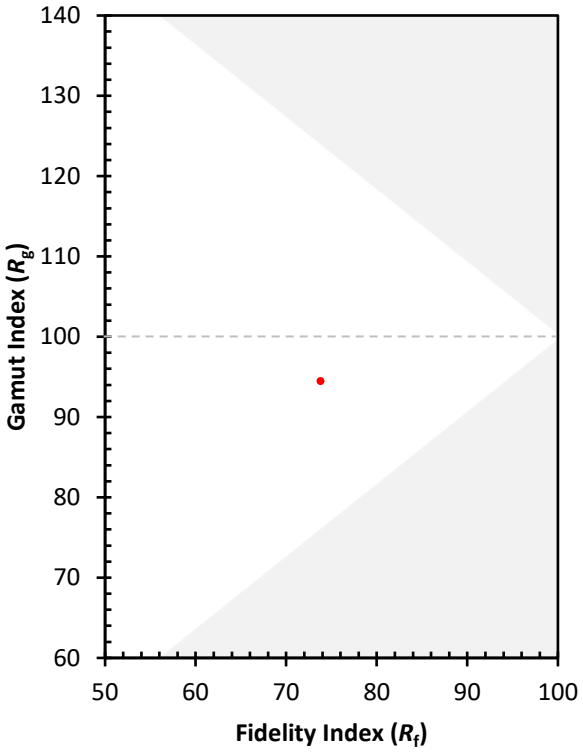


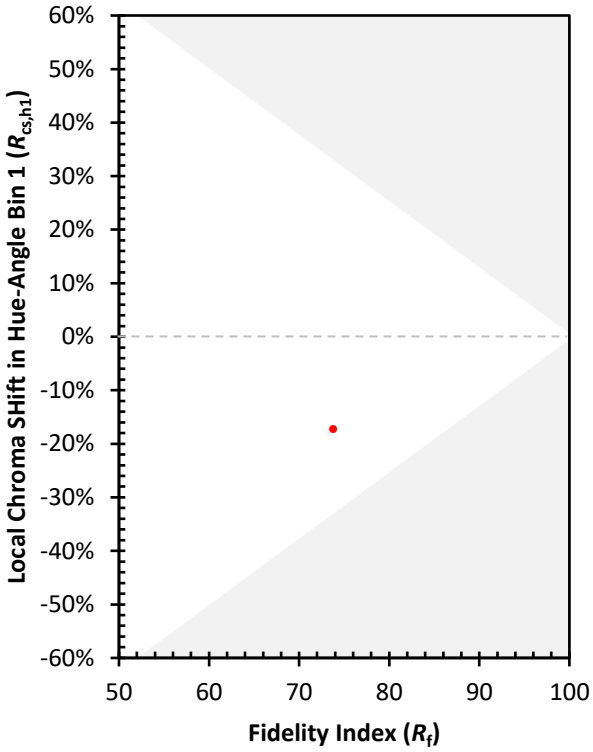


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Measure Comparisons





(END OF REPORT)