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: P1361850

Luminaire Tested: **GSS-SB3D-722-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:	P1361850
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-722-U-5NQ
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 70CRI 2200K FIXTURE w/ TYPE V SQUARE NARROW DISTRIBUTION OPTIC
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24637.2 lumens
Efficiency:	N/A
Efficacy:	112.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

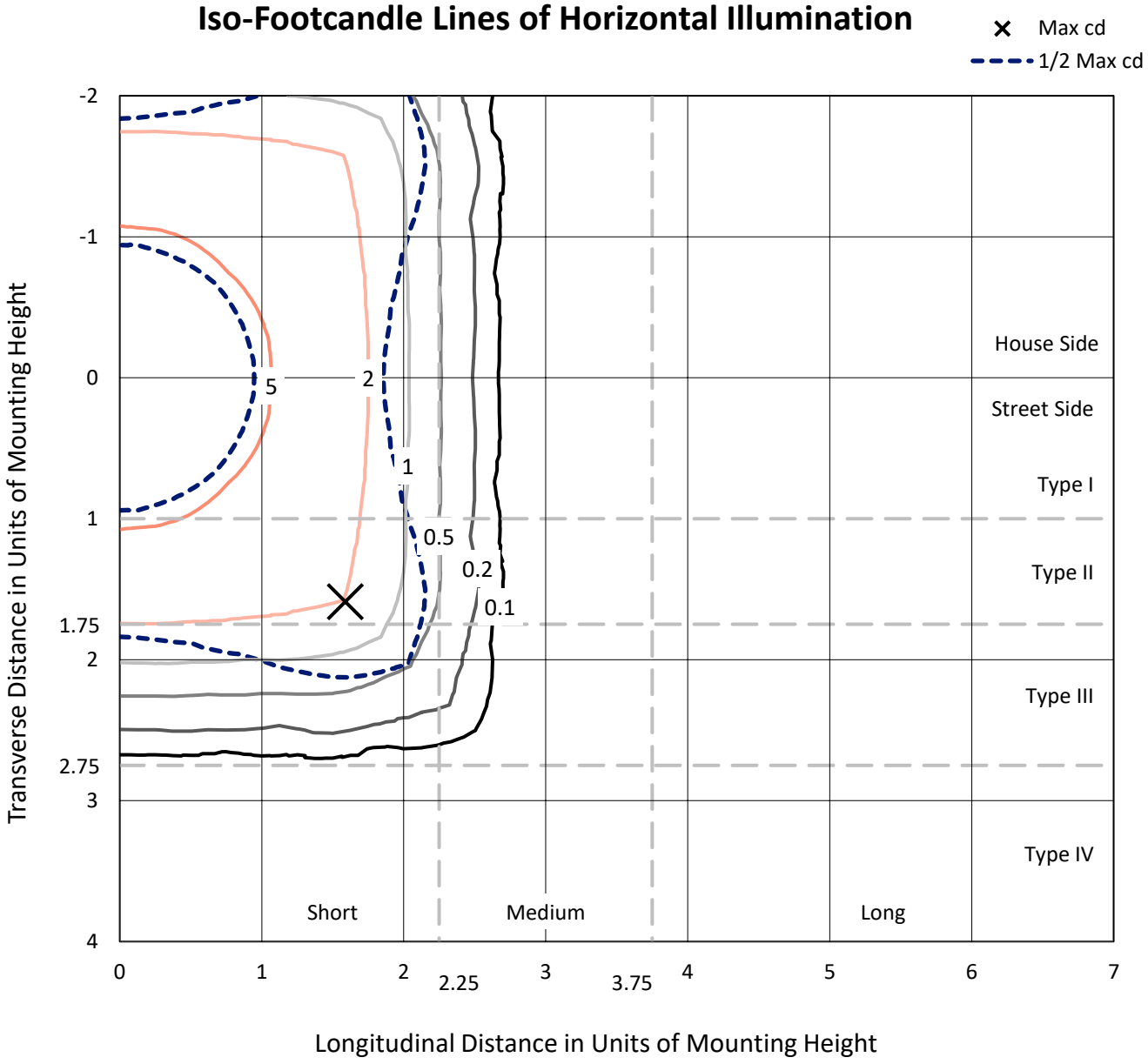
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Scaled Data Report

REPORT NUMBER: P1361850
CATALOG NUMBER: GSS-SB3D-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination



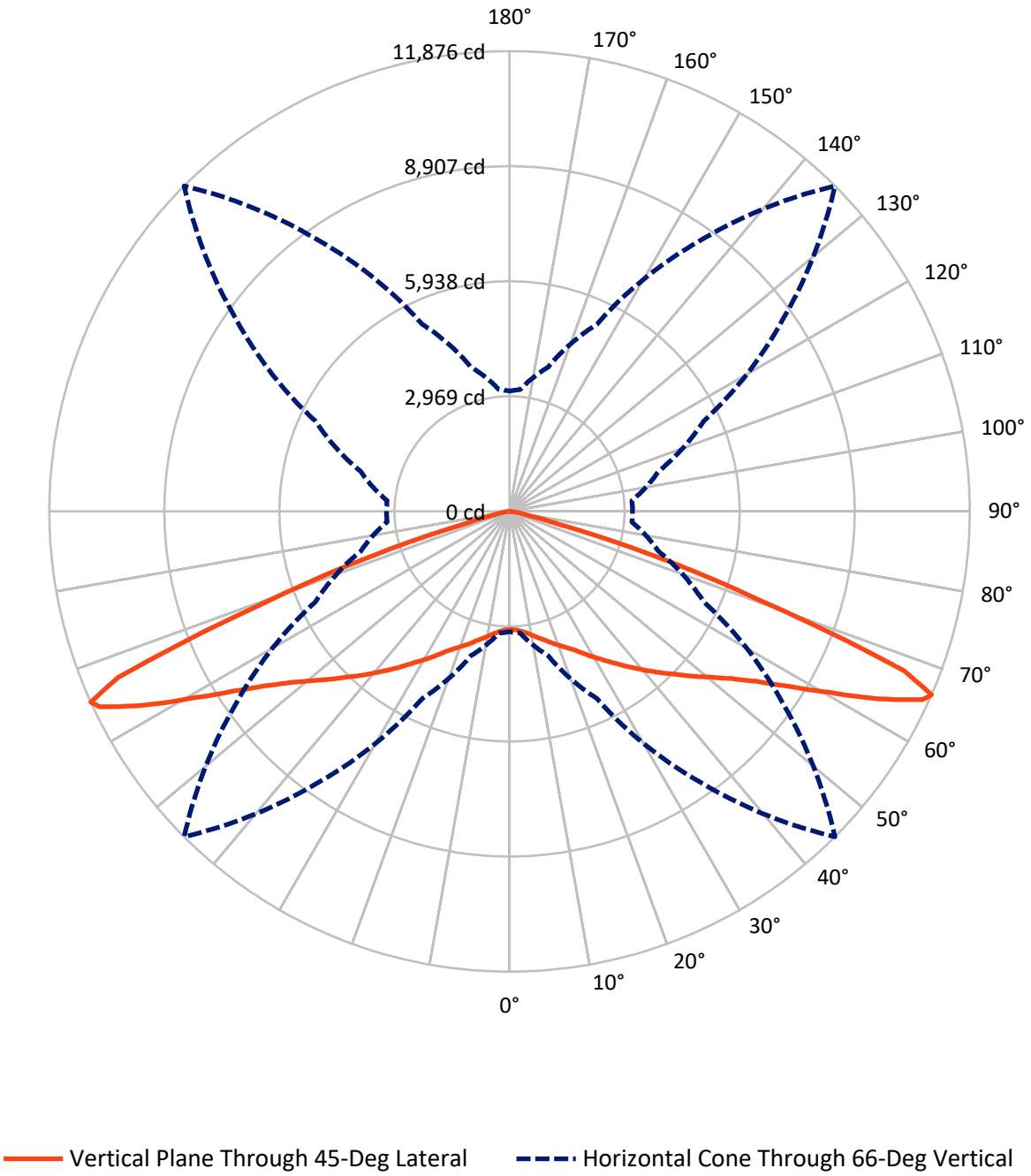
Based on 20 foot mounting height. Maximum calculated value = 7.8 fc
Type V - Short - N/A

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REPORT NUMBER: P1361850
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Luminous Intensity Polar Plot



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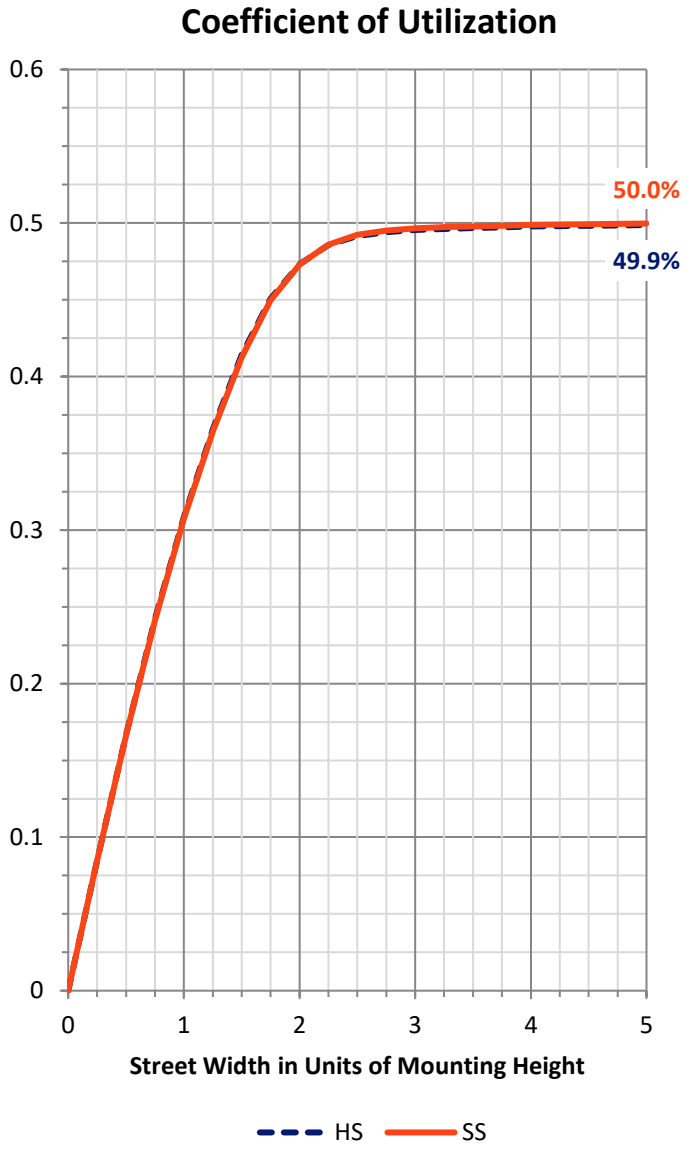
REPORT NUMBER: P1361850
CATALOG NUMBER: GSS-SB3D-722-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12318.6	0.0	12318.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12318.6	0.0	12318.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	24637.2	0.0	24637.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.2	1.2
10°-20°	982.5	4.0
20°-30°	1859.8	7.5
30°-40°	3053.2	12.4
40°-50°	4709.7	19.1
50°-60°	6826.3	27.7
60°-70°	6007.7	24.4
70°-80°	832.2	3.4
80°-90°	64.8	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°	24637.2	100.0
0°-180°	24637.2	100.0



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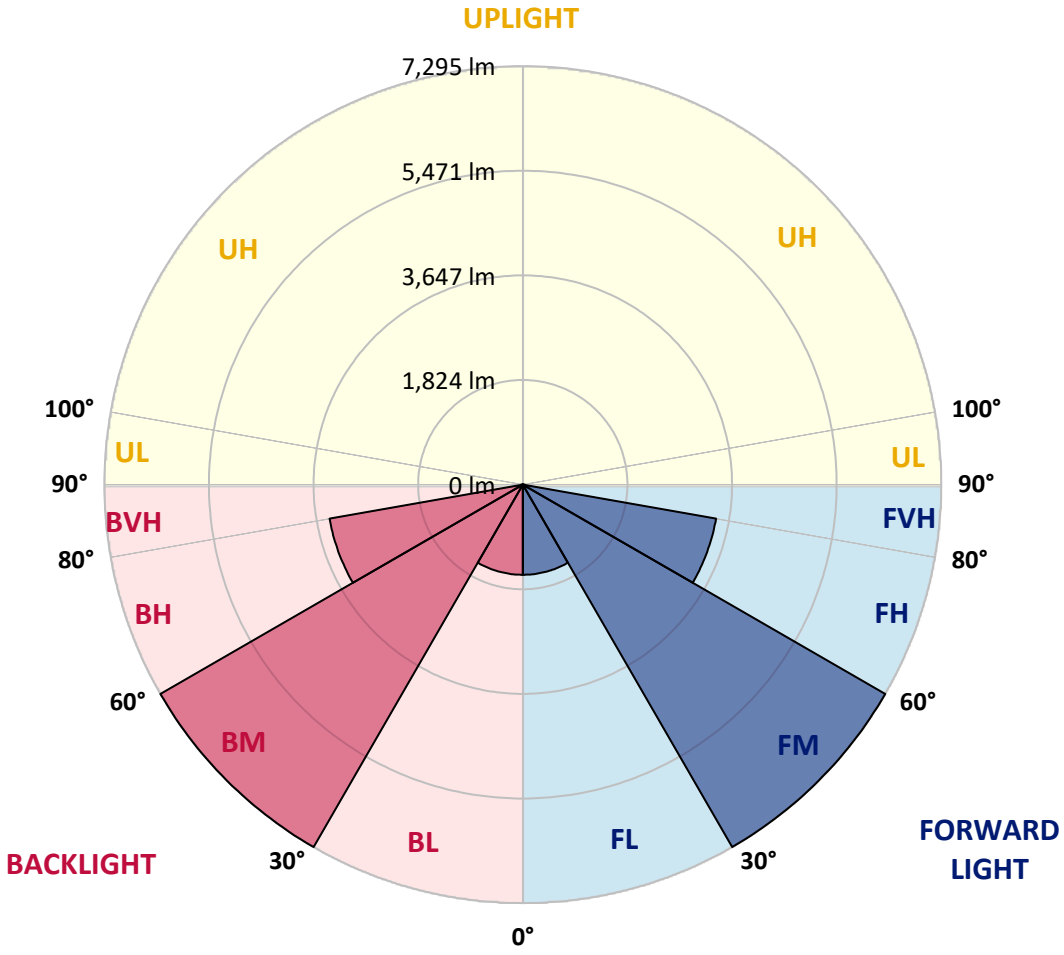
Scaled Data Report

REPORT NUMBER: P1361850
CATALOG NUMBER: GSS-SB3D-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1571.7	6.4			
FM	(30°-60°)	7294.5	29.6			
FH	(60°-80°)	3419.9	13.9			G2/5000
FVH	(80°-90°)	32.4	0.1			G1/100
BL	(0°-30°)	1571.7	6.4	B3/2500		
BM	(30°-60°)	7294.5	29.6	B4/8500		
BH	(60°-80°)	3419.9	13.9	B4/5000		G2/5000
BVH	(80°-90°)	32.4	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°	3050.0	3050.0	3050.0	3050.0	3050.0	3050.0	3050.0	3050.0	3050.0	3050.0	3050.0
2.5°	3066.4	3060.9	3050.0	3055.4	3050.0	3060.9	3077.4	3055.4	3066.4	3071.9	3066.4
5°	3104.8	3104.8	3088.3	3099.3	3099.3	3104.8	3110.3	3099.3	3110.3	3110.3	3110.3
7.5°	3176.1	3181.6	3165.1	3165.1	3170.6	3170.6	3181.6	3176.1	3176.1	3181.6	3187.1
10°	3258.4	3258.4	3241.9	3241.9	3247.4	3252.9	3258.4	3247.4	3252.9	3252.9	3252.9
12.5°	3346.2	3340.7	3324.2	3329.7	3329.7	3351.7	3351.7	3335.2	3329.7	3329.7	3329.7
15°	3433.9	3433.9	3423.0	3428.5	3444.9	3450.4	3455.9	3423.0	3423.0	3412.0	3412.0
17.5°	3554.6	3543.6	3543.6	3538.2	3560.1	3576.6	3565.6	3532.7	3538.2	3527.2	3527.2
20°	3691.8	3680.8	3664.3	3675.3	3675.3	3691.8	3686.3	3658.8	3658.8	3658.8	3658.8
22.5°	3839.9	3834.4	3817.9	3834.4	3828.9	3823.4	3828.9	3823.4	3812.4	3817.9	3823.4
25°	3998.9	3988.0	3977.0	4004.4	3988.0	3977.0	3993.5	3993.5	3982.5	3977.0	3998.9
27.5°	4163.5	4152.5	4152.5	4180.0	4152.5	4174.5	4180.0	4163.5	4158.0	4152.5	4169.0
30°	4344.5	4333.6	4344.5	4372.0	4355.5	4382.9	4382.9	4372.0	4339.0	4339.0	4350.0
32.5°	4564.0	4547.5	4564.0	4580.4	4580.4	4596.9	4602.4	4585.9	4580.4	4558.5	4585.9
35°	4810.8	4799.8	4799.8	4816.3	4816.3	4843.7	4843.7	4832.7	4821.8	4810.8	4821.8
37.5°	5107.0	5068.6	5090.6	5085.1	5090.6	5112.5	5112.5	5074.1	5096.1	5079.6	5101.5
40°	5386.8	5342.9	5397.8	5381.3	5392.3	5386.8	5397.8	5381.3	5375.8	5353.9	5375.8
42.5°	5694.0	5661.1	5710.4	5710.4	5715.9	5688.5	5704.9	5699.5	5699.5	5661.1	5672.0
45°	6050.5	5995.7	6067.0	6067.0	6050.5	5995.7	6056.0	6045.0	6056.0	6001.2	6017.6
47.5°	6396.1	6352.2	6461.9	6472.9	6429.0	6352.2	6423.5	6434.5	6429.0	6352.2	6379.7
50°	6758.2	6714.3	6845.9	6928.2	6856.9	6725.3	6818.5	6884.3	6845.9	6708.8	6719.8
52.5°	7087.3	7065.4	7257.3	7394.5	7312.2	7164.1	7295.7	7339.6	7246.4	7065.4	7070.8
55°	7334.1	7339.6	7613.9	7871.7	7871.7	7745.6	7838.8	7811.4	7581.0	7317.7	7306.7
57.5°	7372.5	7400.0	7778.5	8305.1	8551.9	8519.0	8469.6	8195.4	7723.6	7317.7	7295.7
60°	6599.1	6719.8	7389.0	8480.6	9199.2	9484.5	9122.4	8305.1	7350.6	6752.7	6697.8
62.5°	5216.7	5288.0	6006.6	7679.7	9720.3	10647.4	9550.3	7740.1	6187.7	5452.6	5375.8
65°	3834.4	3949.6	4564.0	6001.2	9155.3	11717.1	9144.4	6182.2	4701.1	4053.8	4004.4
66°	3104.8	3154.2	3856.3	5326.4	8497.1	11876.2	8595.8	5534.9	3977.0	3170.6	3176.1
67.5°	1865.1	1919.9	2583.7	4174.5	7120.2	10982.0	7487.7	4311.6	2589.2	1903.5	1749.9
70°	674.7	696.7	905.1	1695.0	4788.9	6791.1	4975.4	1684.1	861.2	691.2	669.2
72.5°	411.4	416.9	460.8	641.8	1475.6	3768.6	1431.7	647.3	460.8	395.0	395.0
75°	235.9	235.9	312.7	384.0	548.6	1195.8	532.1	389.5	318.2	279.8	268.8
77.5°	170.1	175.5	230.4	263.3	318.2	482.7	323.6	241.4	203.0	164.6	164.6
80°	120.7	126.2	153.6	186.5	219.4	274.3	175.5	153.6	148.1	104.2	104.2
82.5°	82.3	82.3	87.8	109.7	115.2	109.7	93.3	98.7	93.3	71.3	65.8
85°	32.9	32.9	38.4	43.9	43.9	38.4	43.9	49.4	43.9	32.9	32.9
87.5°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

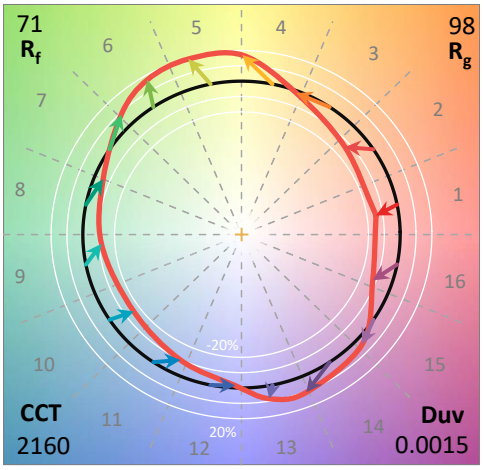
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

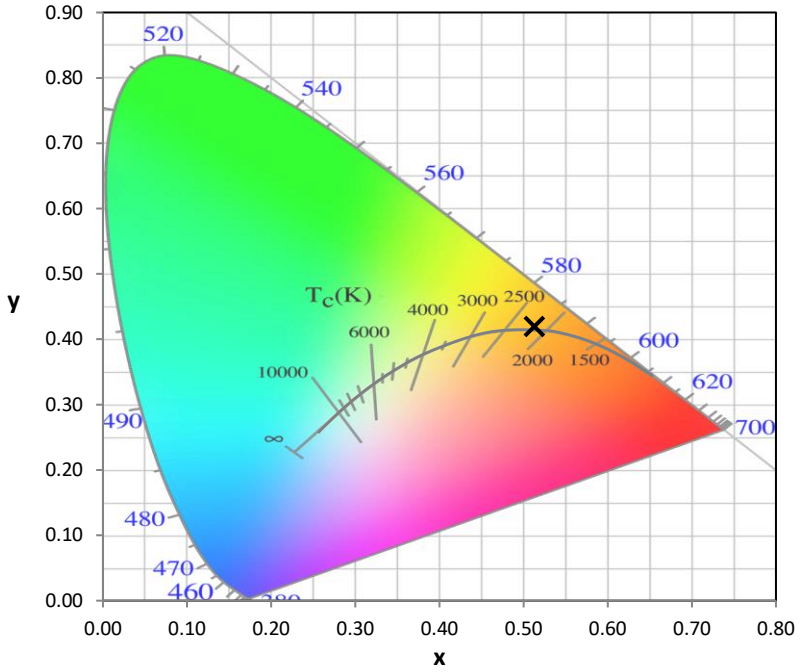
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

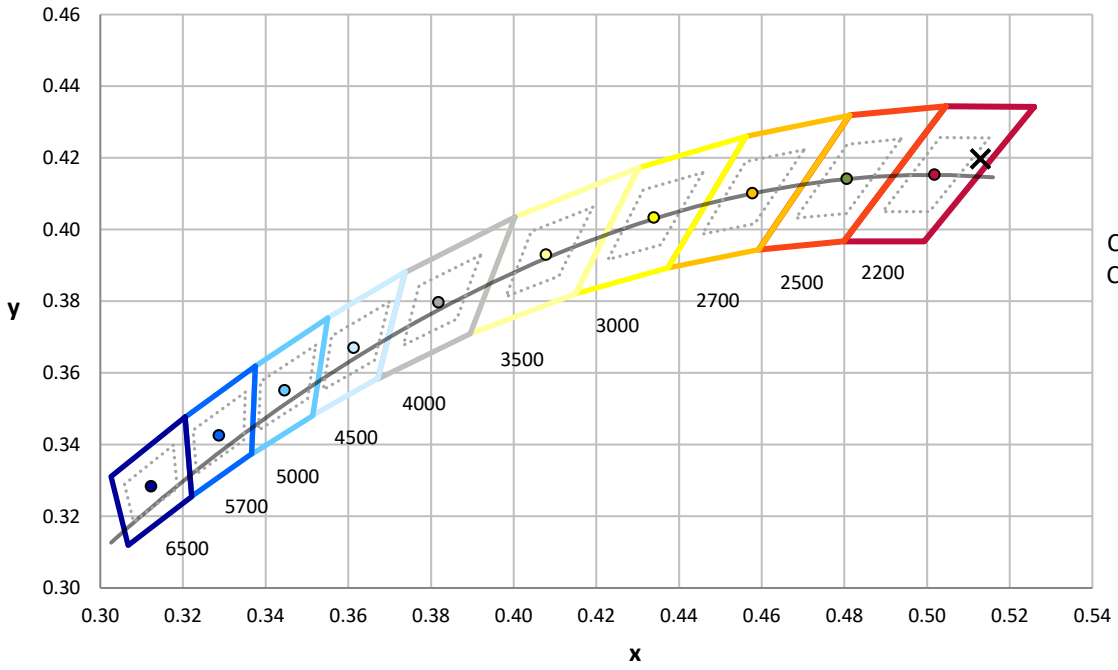
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

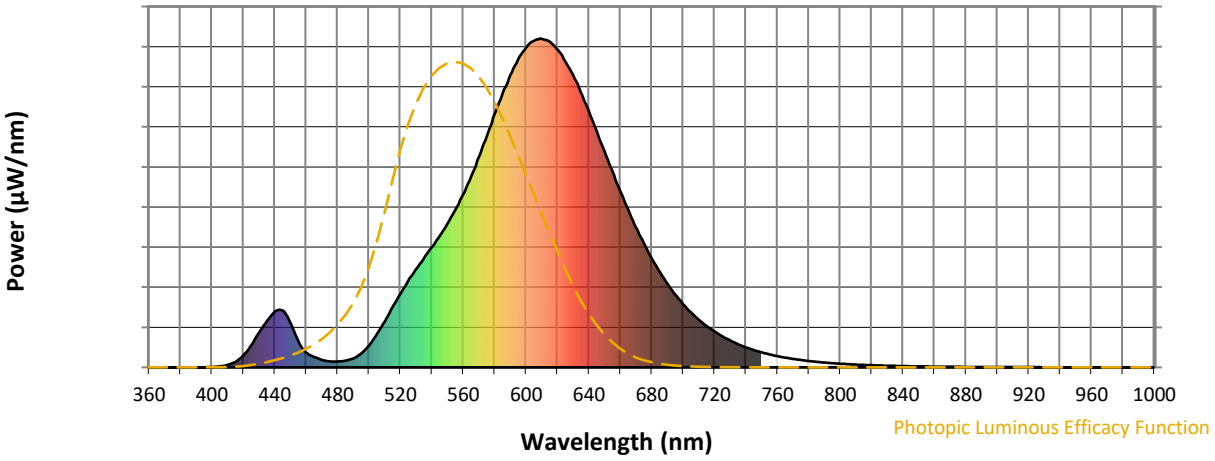


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

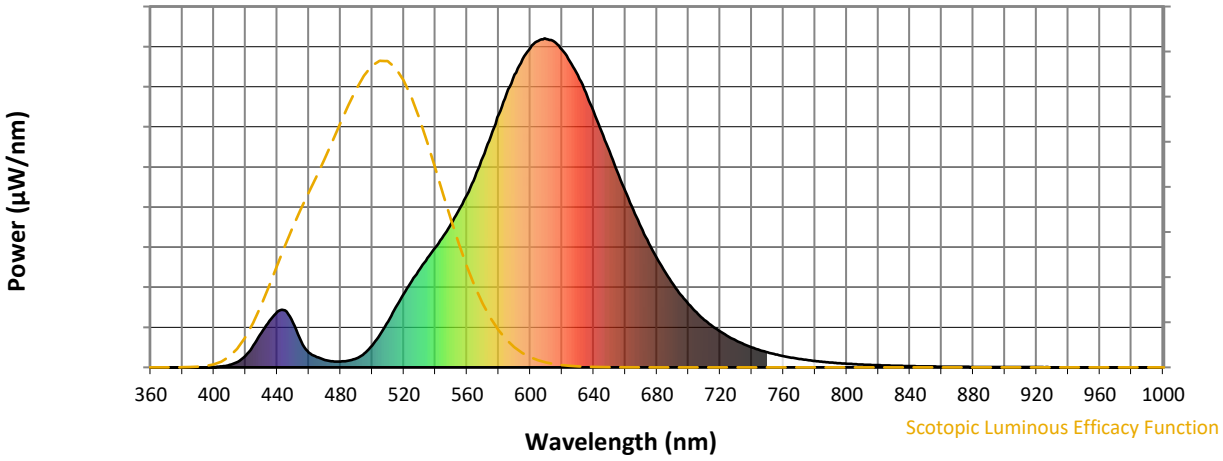


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

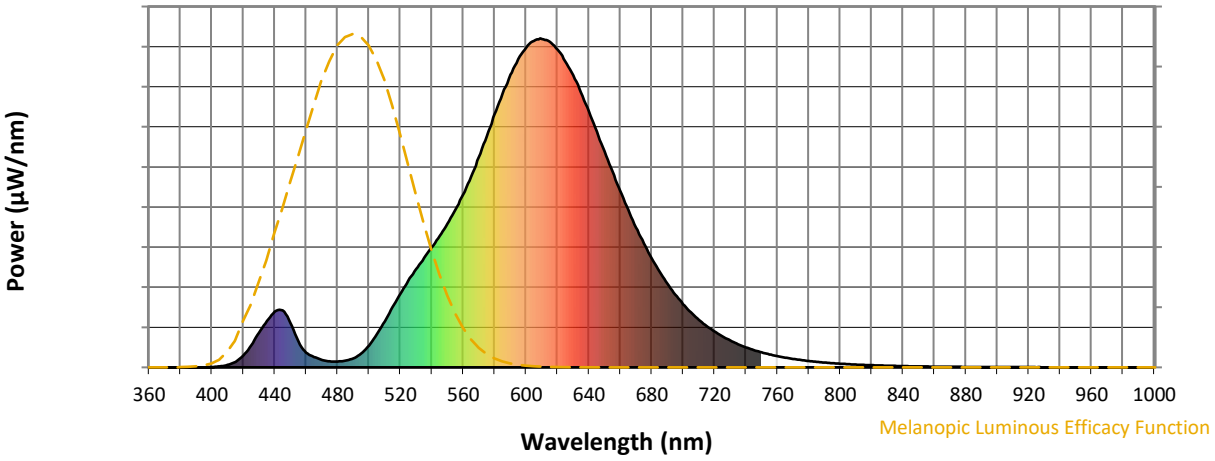


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

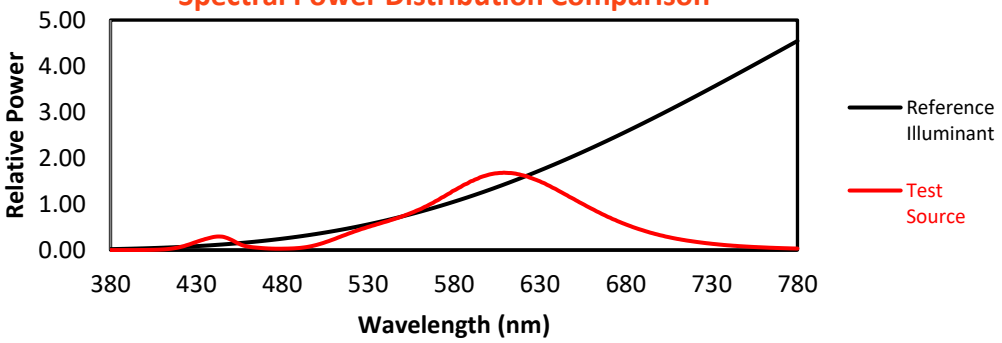
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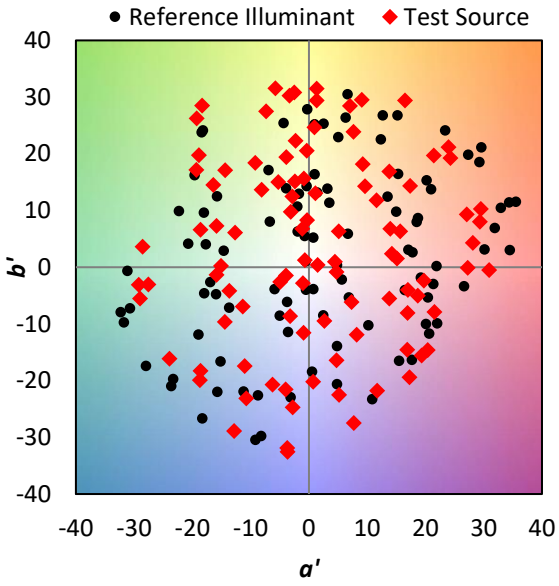
Summary

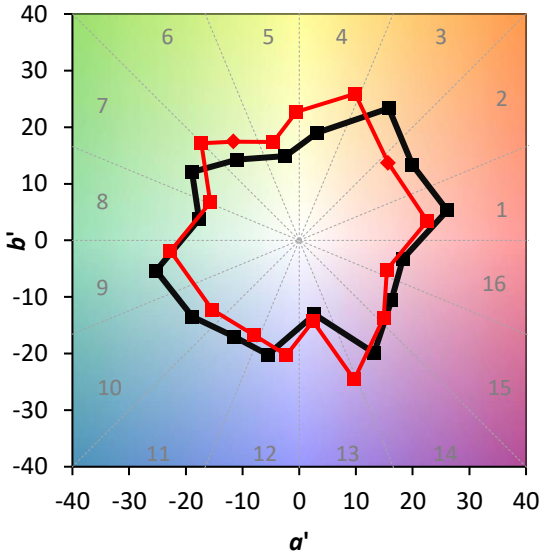
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

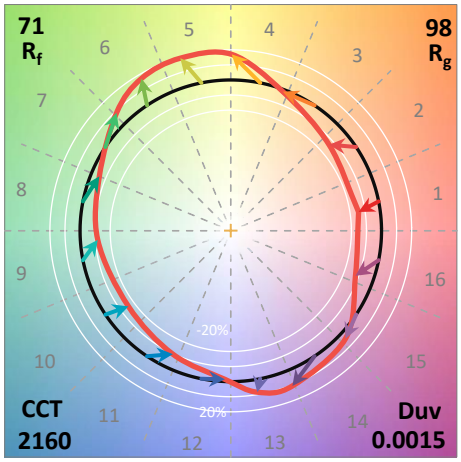
Spectral Power Distribution Comparison

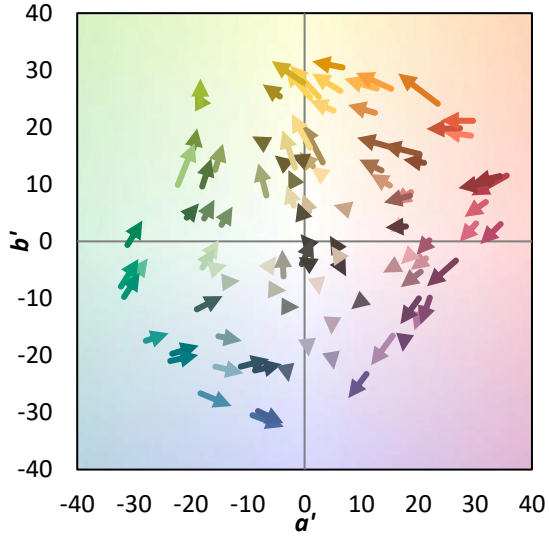


Color Vector Graphics







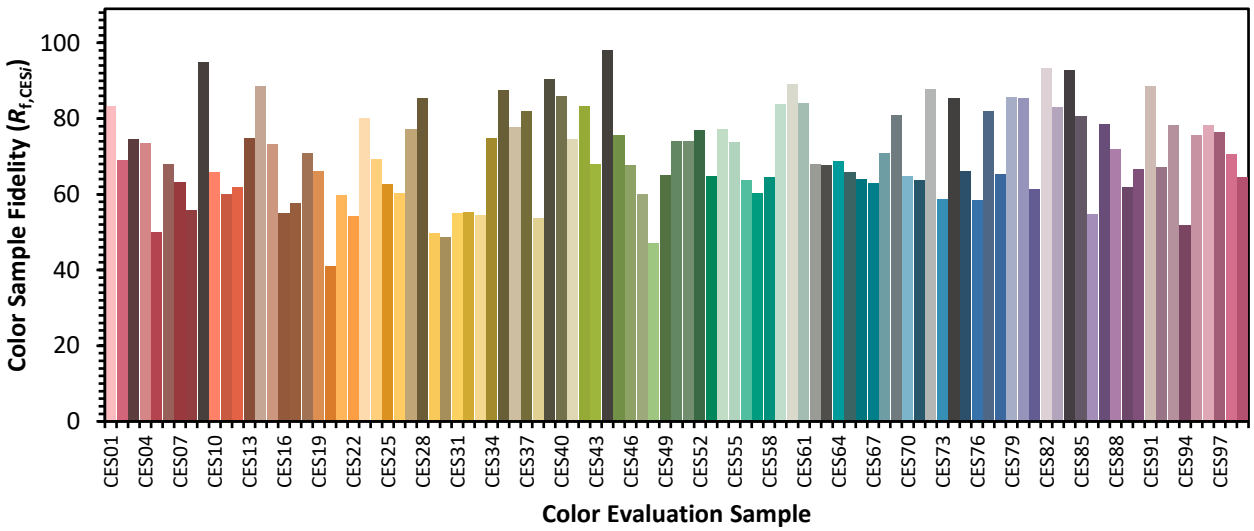


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Individual Sample Fidelity Index ($R_{f,i}$)

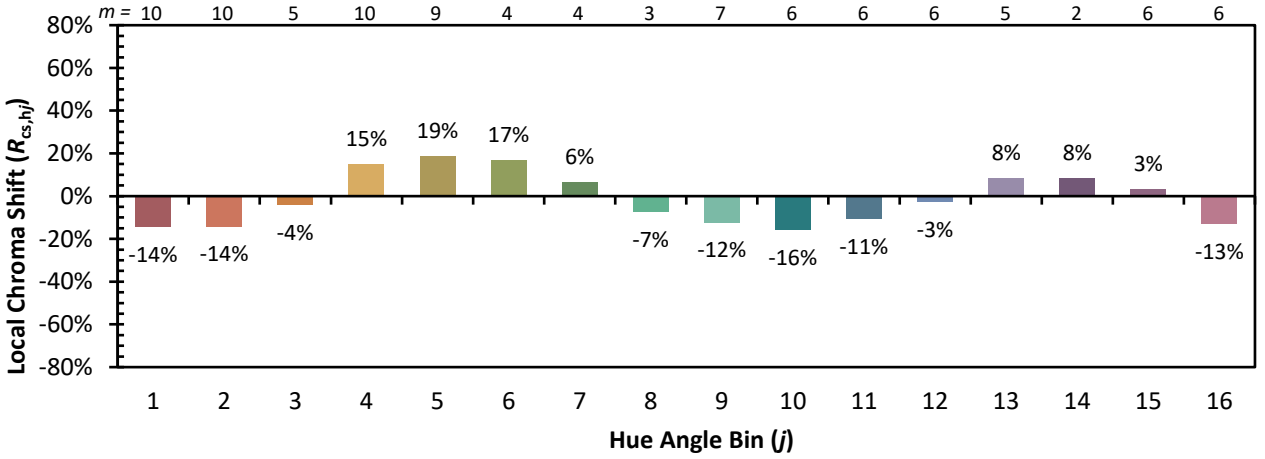
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

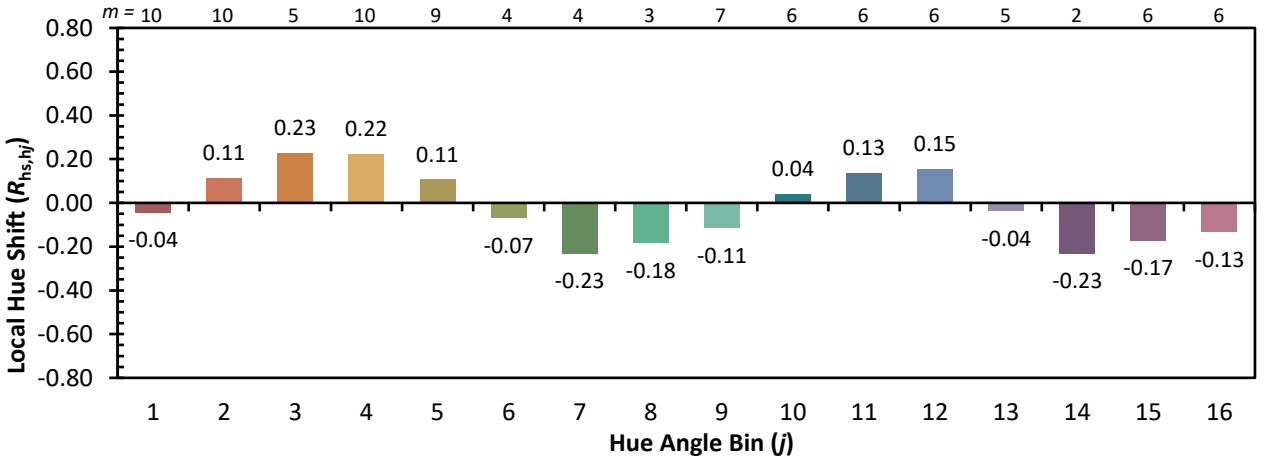


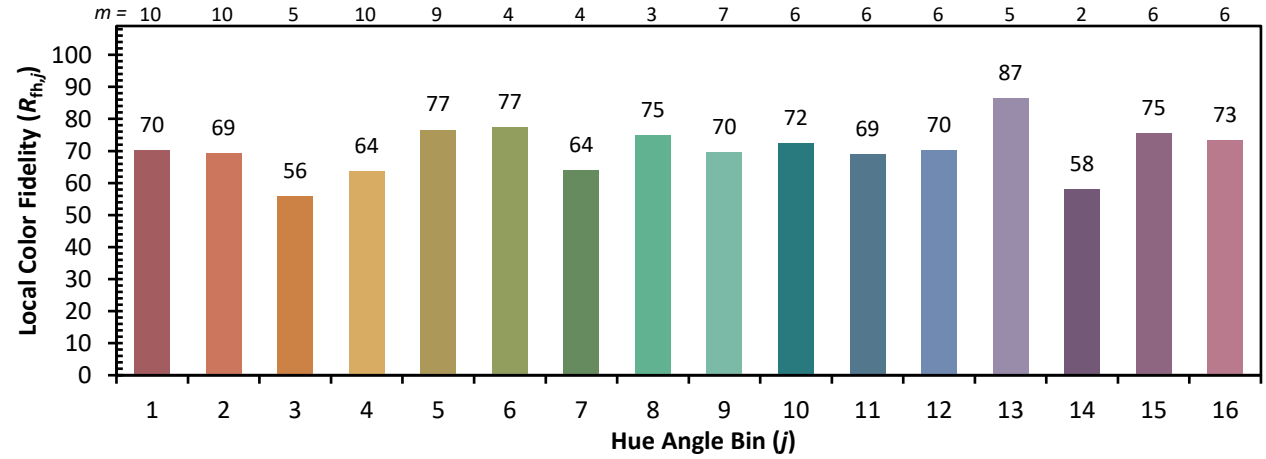
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Color Rendition by Hue-Angle Bin



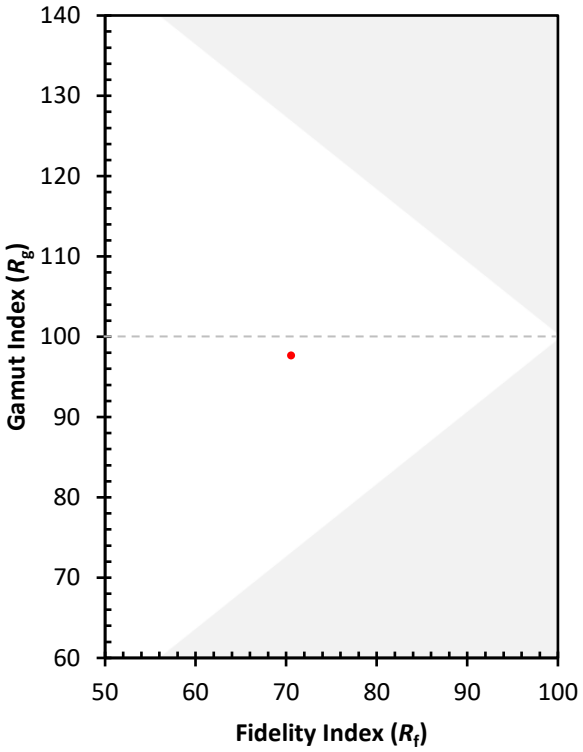


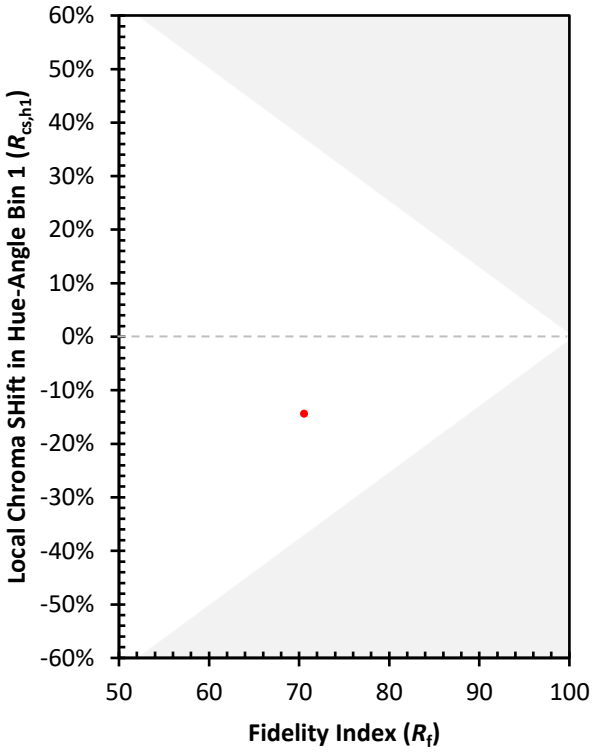


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Measure Comparisons





(END OF REPORT)