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: P1361925

Luminaire Tested: **GSS-SB4C-735-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:	P1361925
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-735-U-5NQ
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 3500K FIXTURE w/ TYPE V SQUARE NARROW DISTRIBUTION OPTIC
Light Source:	(104) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30152.3 lumens
Efficiency:	N/A
Efficacy:	147.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G2

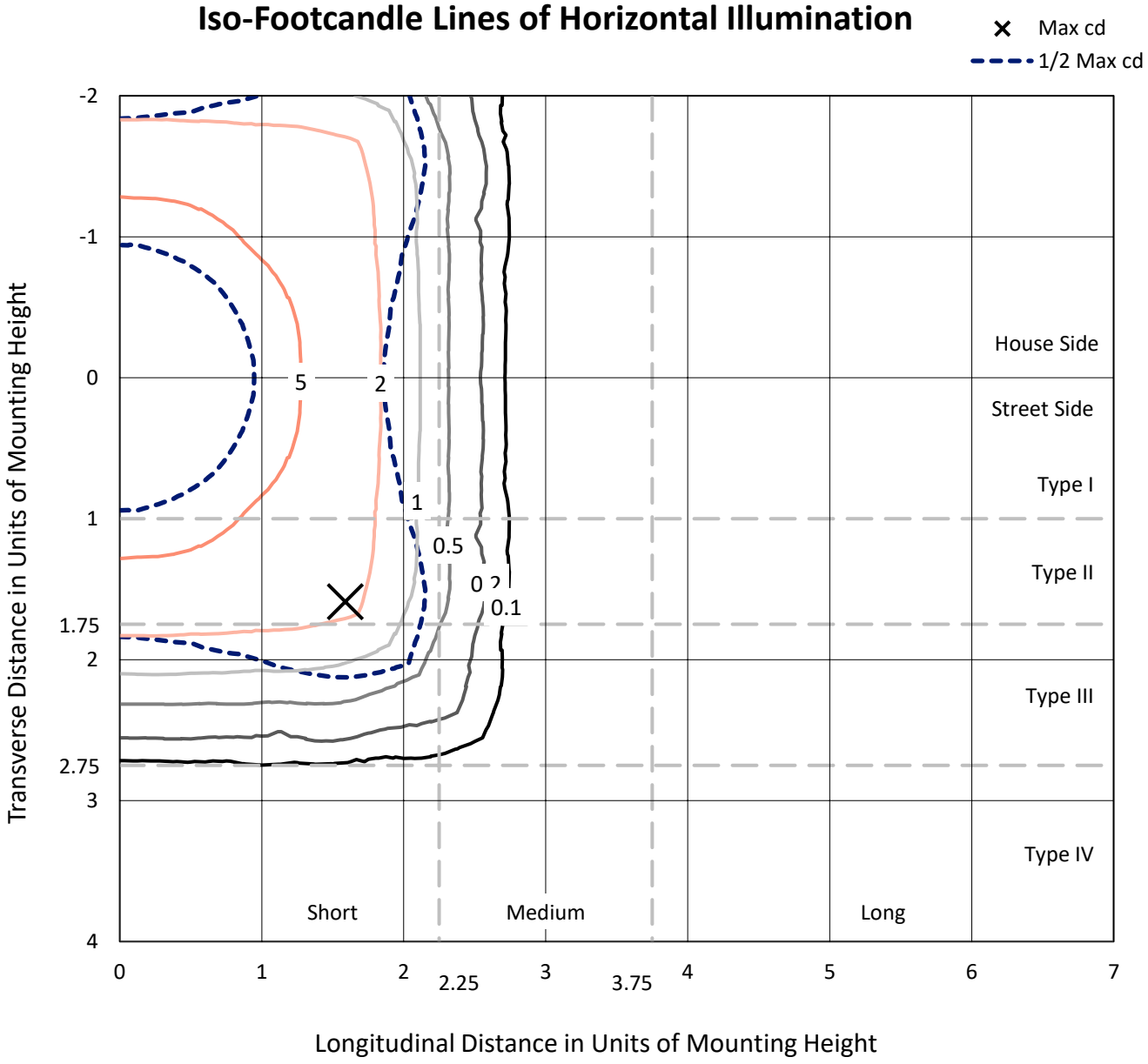
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1361925
CATALOG NUMBER: GSS-SB4C-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination



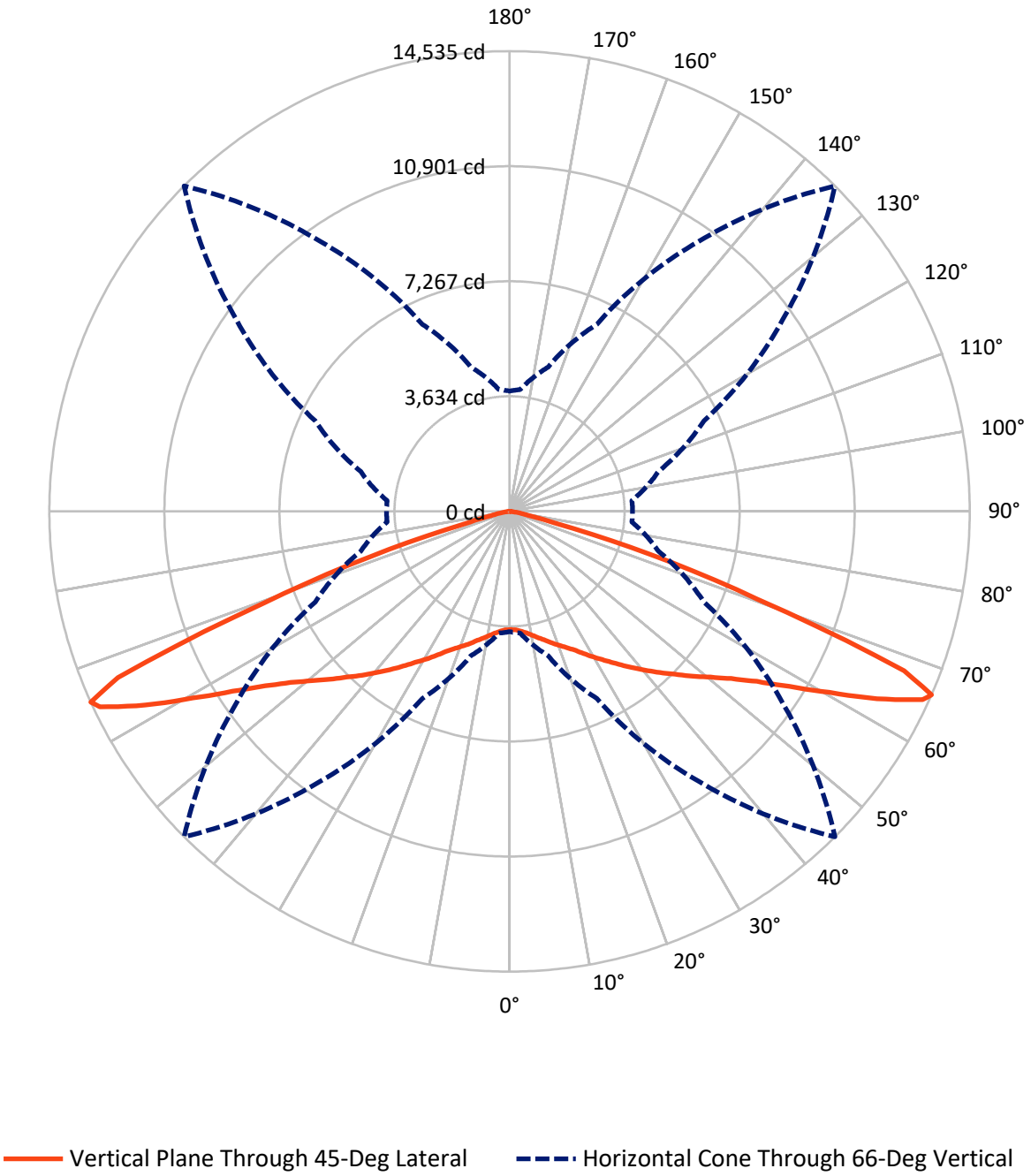
Based on 20 foot mounting height. Maximum calculated value = 9.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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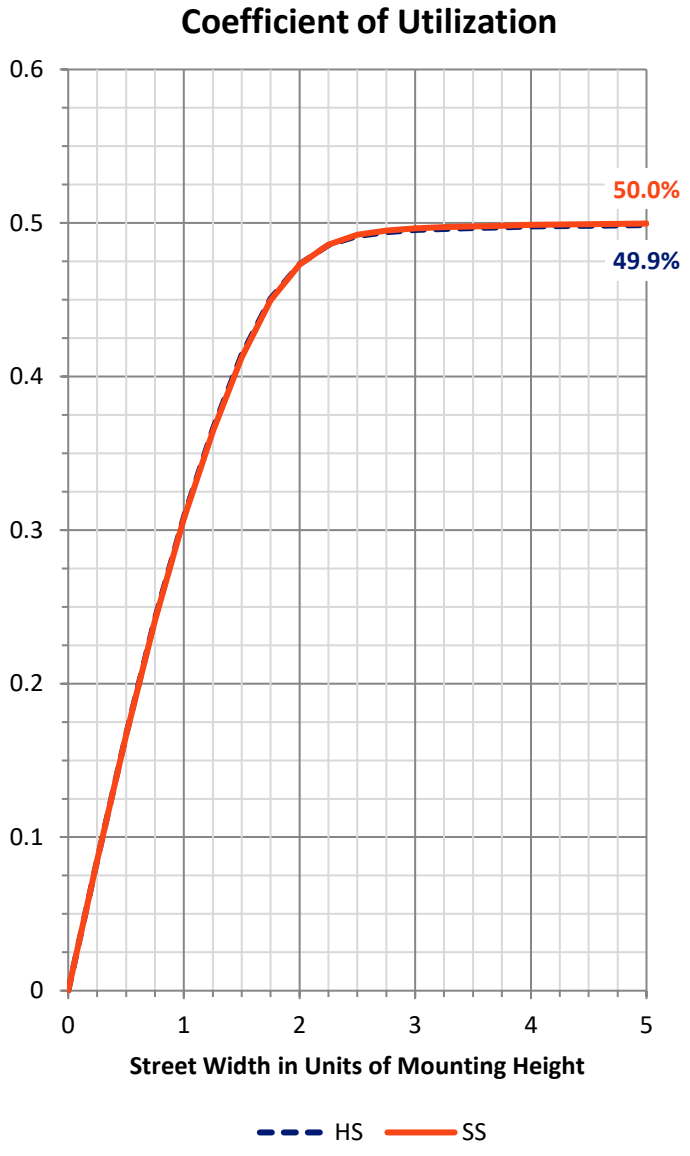
REPORT NUMBER: P1361925
CATALOG NUMBER: GSS-SB4C-735-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15076.2	0.0	15076.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15076.2	0.0	15076.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	30152.3	0.0	30152.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.6	1.2
10°-20°	1202.4	4.0
20°-30°	2276.1	7.5
30°-40°	3736.6	12.4
40°-50°	5764.0	19.1
50°-60°	8354.4	27.7
60°-70°	7352.5	24.4
70°-80°	1018.5	3.4
80°-90°	79.3	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°	30152.3	100.0
0°-180°	30152.3	100.0



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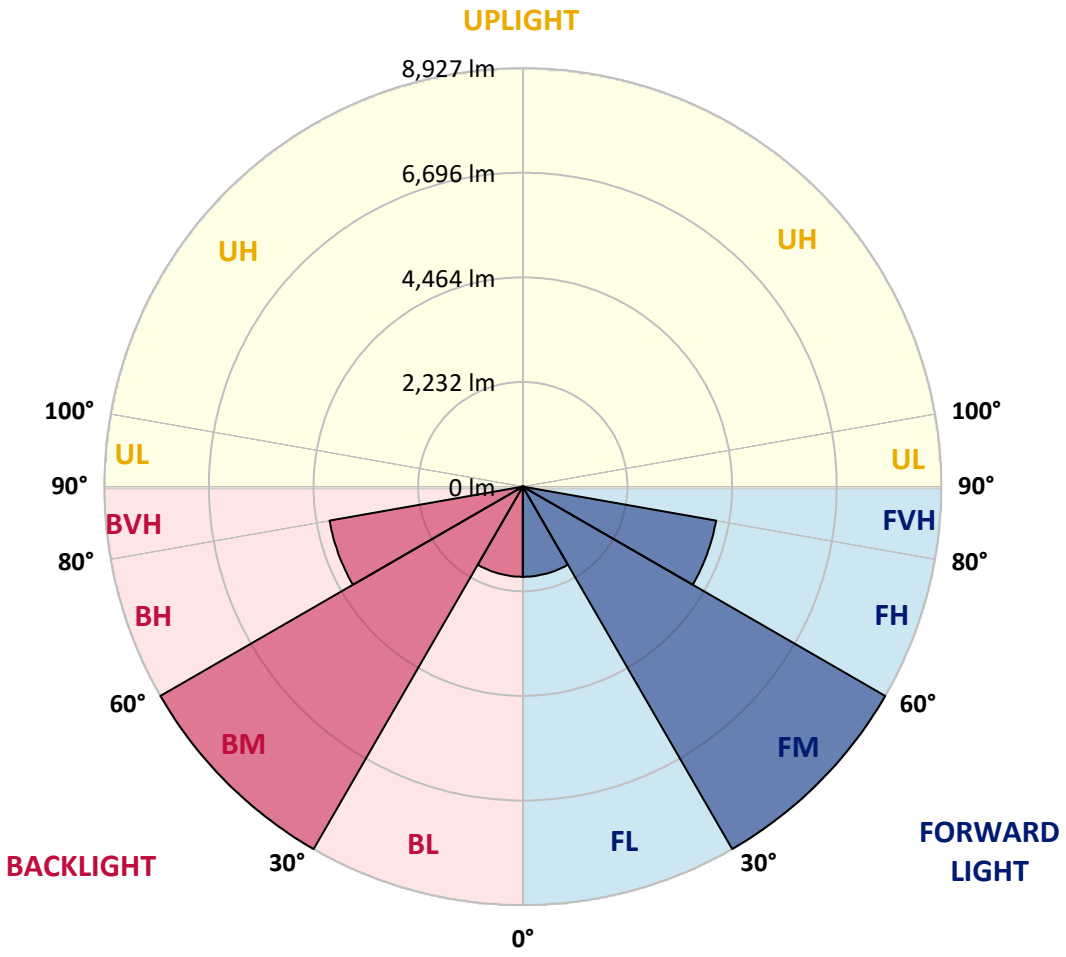
Scaled Data Report

REPORT NUMBER: P1361925
CATALOG NUMBER: GSS-SB4C-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1923.5	6.4			
FM	(30°-60°)	8927.5	29.6			
FH	(60°-80°)	4185.5	13.9			G2/5000
FVH	(80°-90°)	39.6	0.1			G1/100
BL	(0°-30°)	1923.5	6.4	B3/2500		
BM	(30°-60°)	8927.5	29.6	B5		
BH	(60°-80°)	4185.5	13.9	B4/5000		G2/5000
BVH	(80°-90°)	39.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3732.7	3732.7	3732.7	3732.7	3732.7	*3732.7*	3732.7	3732.7	3732.7	3732.7	3732.7
2.5°	3752.8	3746.1	3732.7	3739.4	3732.7	*3746.1*	3766.3	3739.4	3752.8	3759.6	3752.8
5°	3799.8	3799.8	3779.7	3793.1	3793.1	*3799.8*	3806.6	3793.1	3806.6	3806.6	3806.6
7.5°	3887.1	3893.8	3873.7	3873.7	3880.4	*3880.4*	3893.8	3887.1	3887.1	3893.8	3900.5
10°	3987.8	3987.8	3967.7	3967.7	3974.4	*3981.1*	3987.8	3974.4	3981.1	3981.1	3981.1
12.5°	4095.2	4088.5	4068.4	4075.1	4075.1	*4101.9*	4101.9	4081.8	4075.1	4075.1	4075.1
15°	4202.6	4202.6	4189.2	4195.9	4216.1	*4222.8*	4229.5	4189.2	4189.2	4175.8	4175.8
17.5°	4350.3	4336.9	4336.9	4330.2	4357.1	*4377.2*	4363.8	4323.5	4330.2	4316.8	4316.8
20°	4518.2	4504.8	4484.6	4498.0	4498.0	*4518.2*	4511.5	4477.9	4477.9	4477.9	4477.9
22.5°	4699.4	4692.7	4672.6	4692.7	4686.0	*4679.3*	4686.0	4679.3	4665.9	4672.6	4679.3
25°	4894.1	4880.7	4867.3	4900.9	4880.7	*4867.3*	4887.4	4887.4	4874.0	4867.3	4894.1
27.5°	5095.5	5082.1	5082.1	5115.7	5082.1	*5109.0*	5115.7	5095.5	5088.8	5082.1	5102.3
30°	5317.1	5303.7	5317.1	5350.7	5330.5	*5364.1*	5364.1	5350.7	5310.4	5310.4	5323.8
32.5°	5585.6	5565.5	5585.6	5605.8	5605.8	*5625.9*	5632.6	5612.5	5605.8	5578.9	5612.5
35°	5887.7	5874.3	5874.3	5894.4	5894.4	*5928.0*	5928.0	5914.6	5901.2	5887.7	5901.2
37.5°	6250.3	6203.3	6230.1	6223.4	6230.1	*6257.0*	6257.0	6210.0	6236.8	6216.7	6243.6
40°	6592.7	6538.9	6606.1	6585.9	6599.4	*6592.7*	6606.1	6585.9	6579.2	6552.4	6579.2
42.5°	6968.6	6928.3	6988.7	6988.7	6995.5	*6961.9*	6982.0	6975.3	6975.3	6928.3	6941.8
45°	7405.0	7337.9	7425.1	7425.1	7405.0	*7337.9*	7411.7	7398.3	7411.7	7344.6	7364.7
47.5°	7827.9	7774.2	7908.5	7921.9	7868.2	*7774.2*	7861.5	7874.9	7868.2	7774.2	7807.8
50°	8271.0	8217.3	8378.4	8479.1	8391.9	*8230.7*	8344.9	8425.4	8378.4	8210.6	8224.0
52.5°	8673.8	8647.0	8882.0	9049.8	8949.1	*8767.8*	8928.9	8982.7	8868.5	8647.0	8653.7
55°	8975.9	8982.7	9318.3	9633.9	9633.9	*9479.5*	9593.6	9560.0	9278.1	8955.8	8942.4
57.5°	9022.9	9056.5	9519.7	10164.2	10466.3	*10426.1*	10365.6	10030.0	9452.6	8955.8	8928.9
60°	8076.3	8224.0	9043.1	10379.1	11258.5	*11607.6*	11164.5	10164.2	8996.1	8264.3	8197.2
62.5°	6384.5	6471.8	7351.3	9398.9	11896.3	*13030.9*	11688.2	9472.7	7572.8	6673.2	6579.2
65°	4692.7	4833.7	5585.6	7344.6	11204.8	*14340.0*	11191.4	7566.1	5753.5	4961.3	4900.9
66°	*3799.8*	*3860.3*	*4719.6*	*6518.8*	*10399.2*	*14534.7*	*10520.0*	*6773.9*	*4867.3*	*3880.4*	*3887.1*
67.5°	2282.6	2349.7	3162.1	5109.0	8714.1	*13440.4*	9163.9	5276.8	3168.8	2329.6	2141.6
70°	825.8	852.6	1107.7	2074.5	5860.9	*8311.3*	6089.1	2061.0	1054.0	845.9	819.0
72.5°	503.5	510.2	563.9	785.5	1805.9	*4612.2*	1752.2	792.2	563.9	483.4	483.4
75°	288.7	288.7	382.7	469.9	671.3	*1463.5*	651.2	476.7	389.4	342.4	329.0
77.5°	208.1	214.8	282.0	322.2	389.4	*590.8*	396.1	295.4	248.4	201.4	201.4
80°	147.7	154.4	188.0	228.3	268.5	*335.7*	214.8	188.0	181.3	127.6	127.6
82.5°	100.7	100.7	107.4	134.3	141.0	*134.3*	114.1	120.8	114.1	87.3	80.6
85°	40.3	40.3	47.0	53.7	53.7	*47.0*	53.7	60.4	53.7	40.3	40.3
87.5°	20.1	20.1	20.1	20.1	20.1	*20.1*	20.1	20.1	20.1	20.1	20.1
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

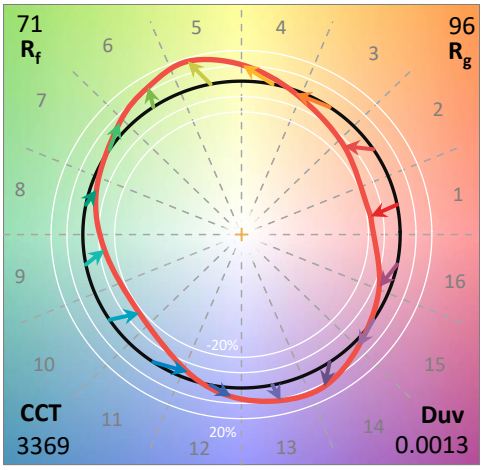
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

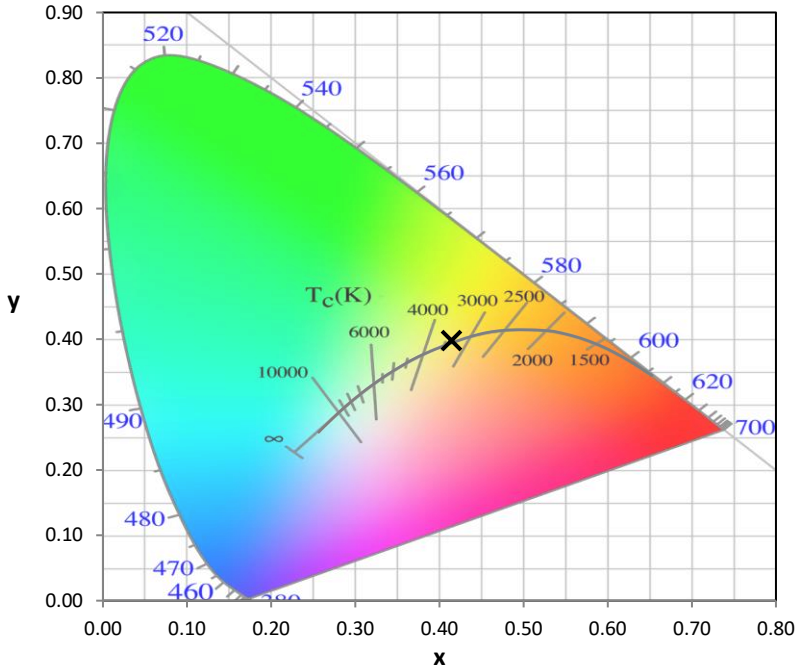
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

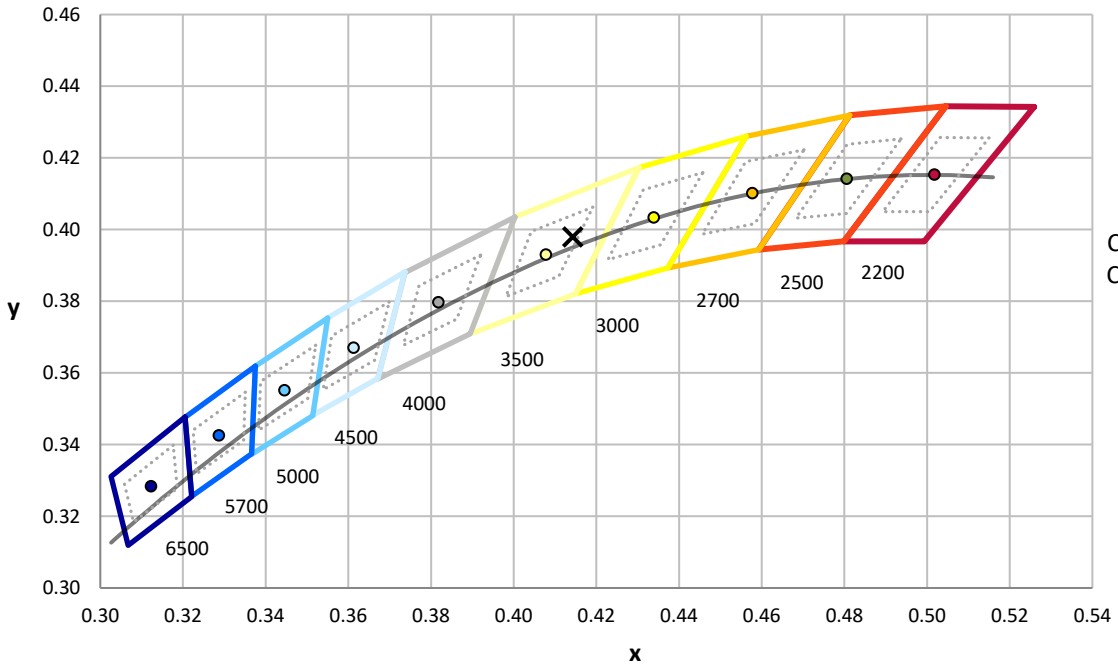
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

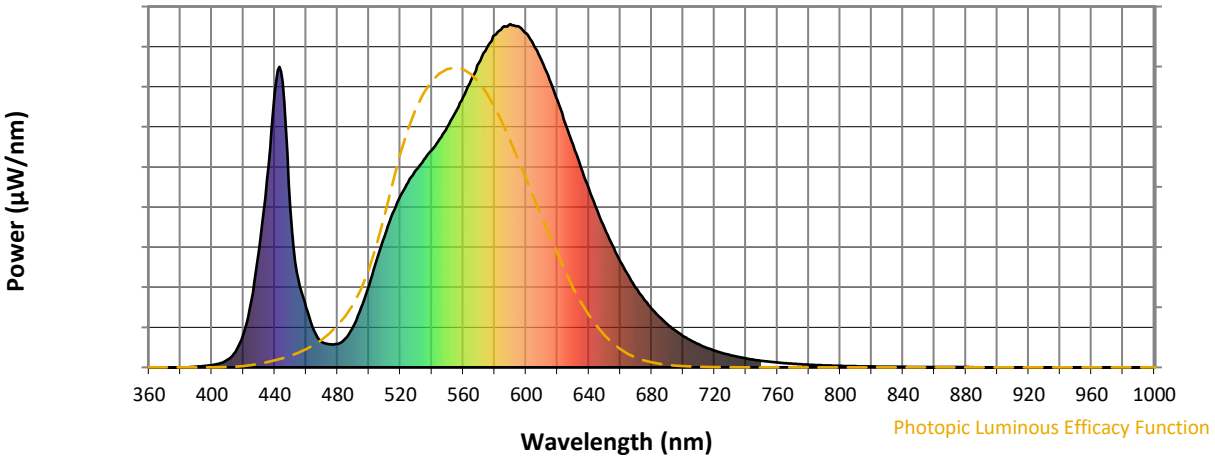


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

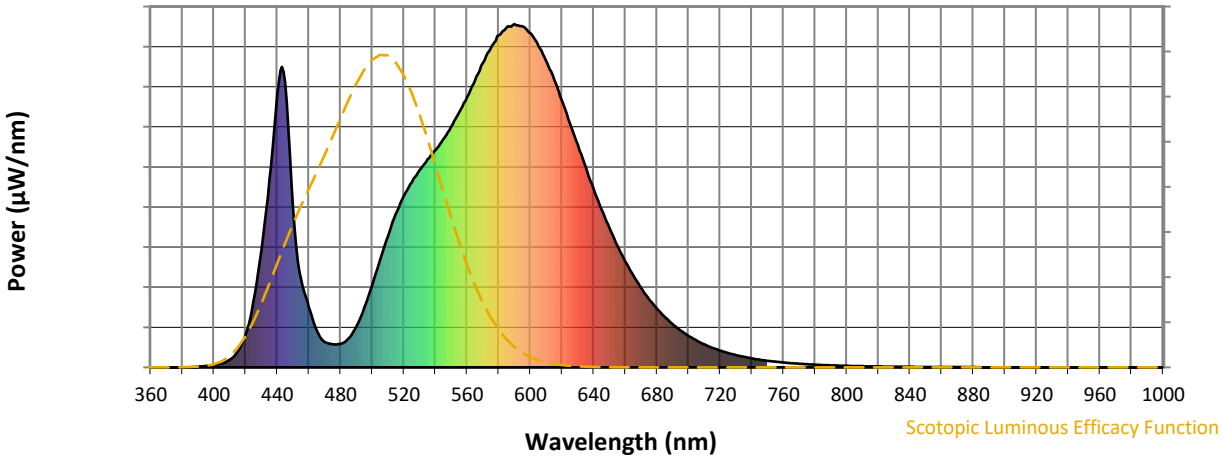


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

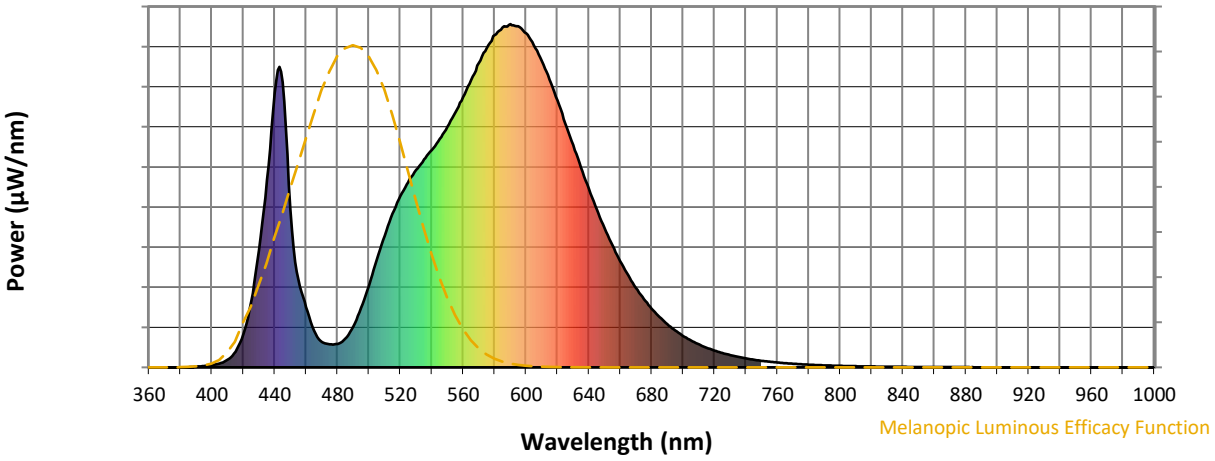


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

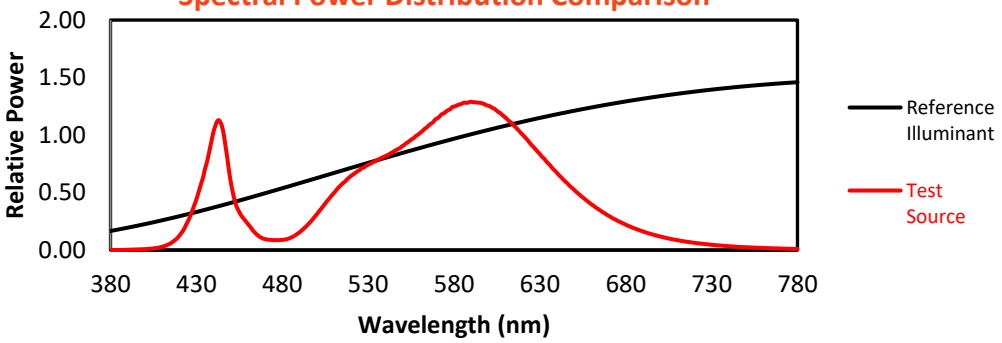
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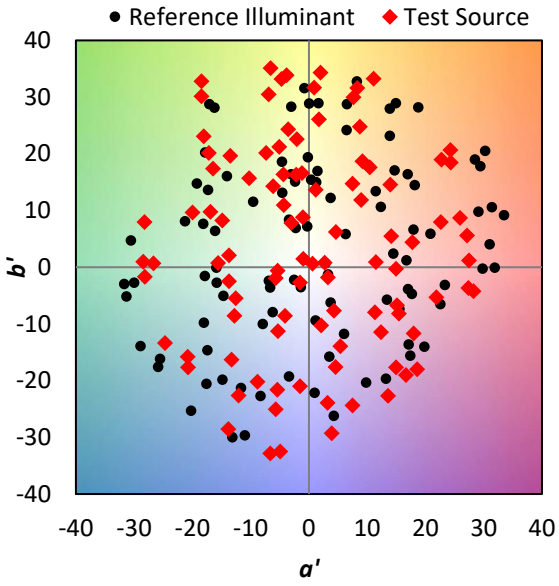
Summary

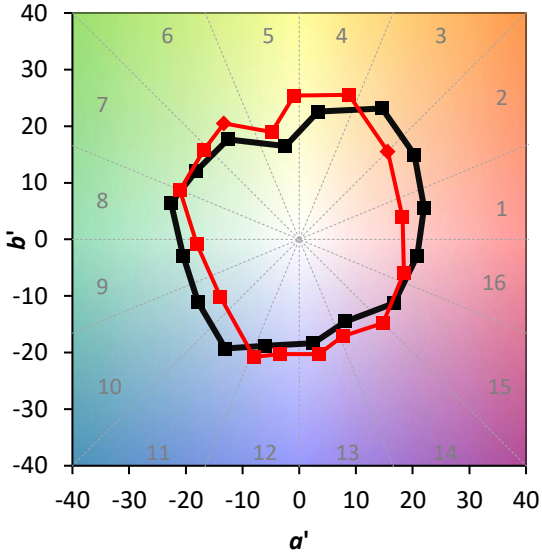
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

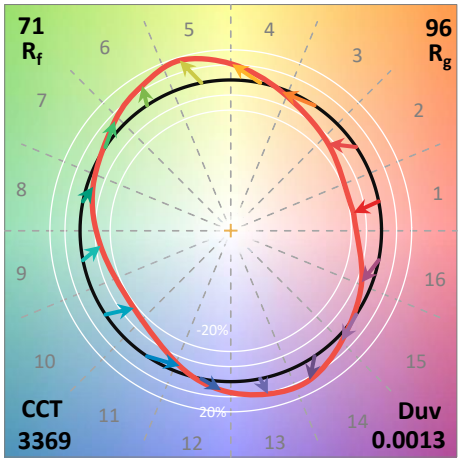
Spectral Power Distribution Comparison

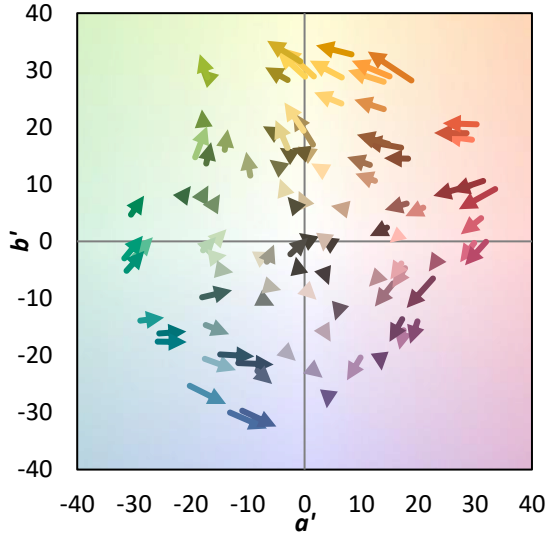


Color Vector Graphics







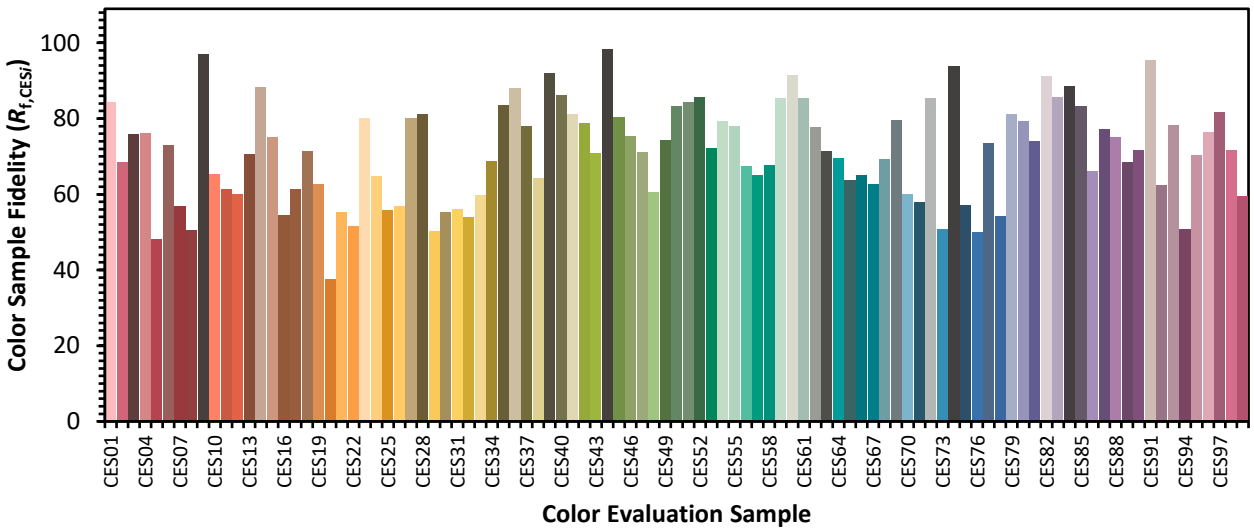


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Individual Sample Fidelity Index ($R_{f,i}$)

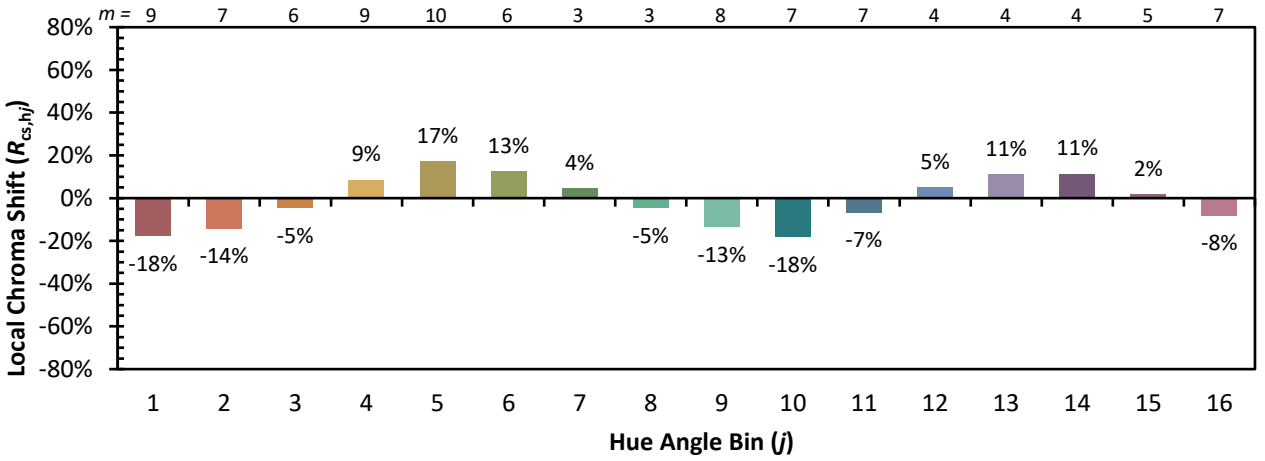
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CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

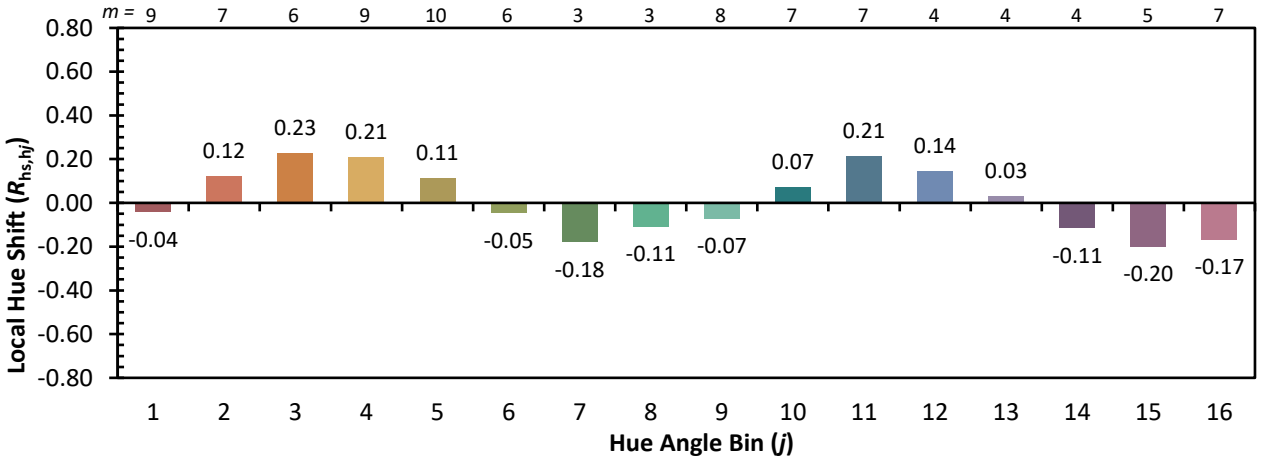


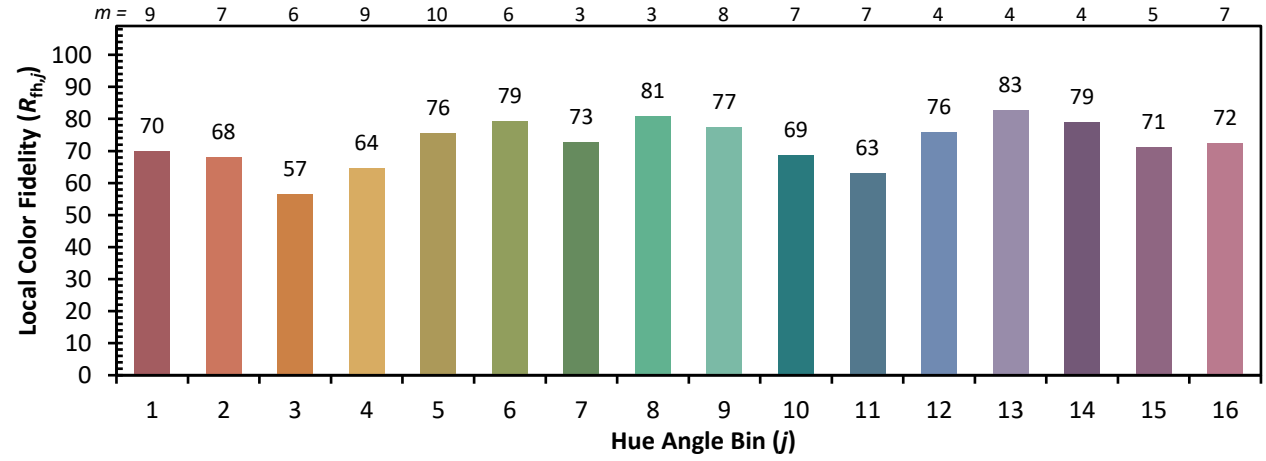
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Color Rendition by Hue-Angle Bin



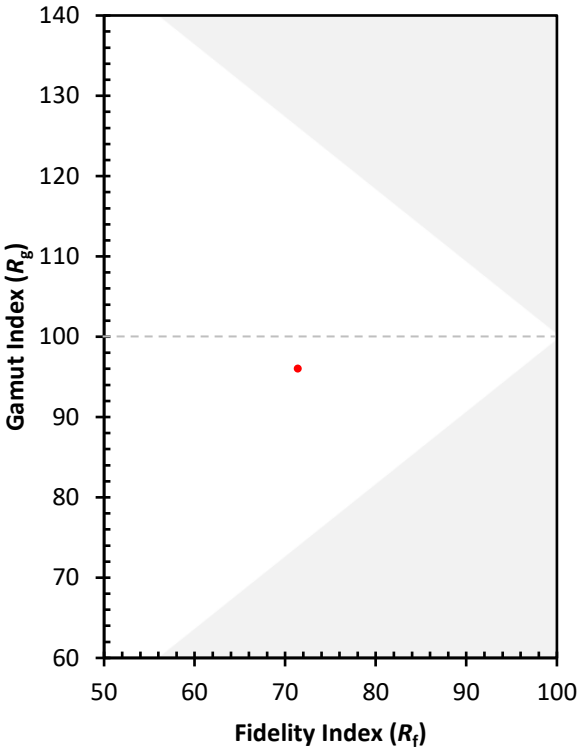


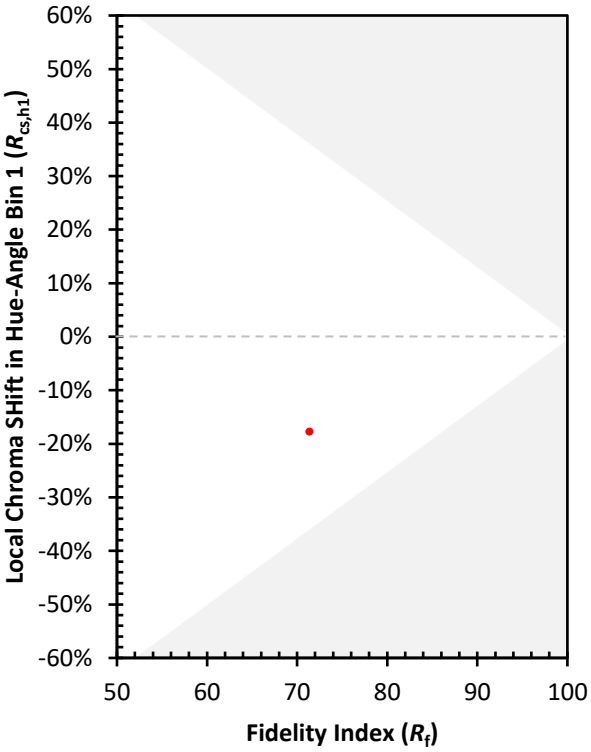


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Measure Comparisons





(END OF REPORT)