Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1502657

Luminaire Tested: GSS-SB4A-827-U-T4LG-HSS

Issue Date: 07/20/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1502657
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-827-U-T4LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 80CRI 2700K FIXTURE w/ TYPE IV LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12209.7 lumens
Efficiency:	N/A
Efficacy:	107.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

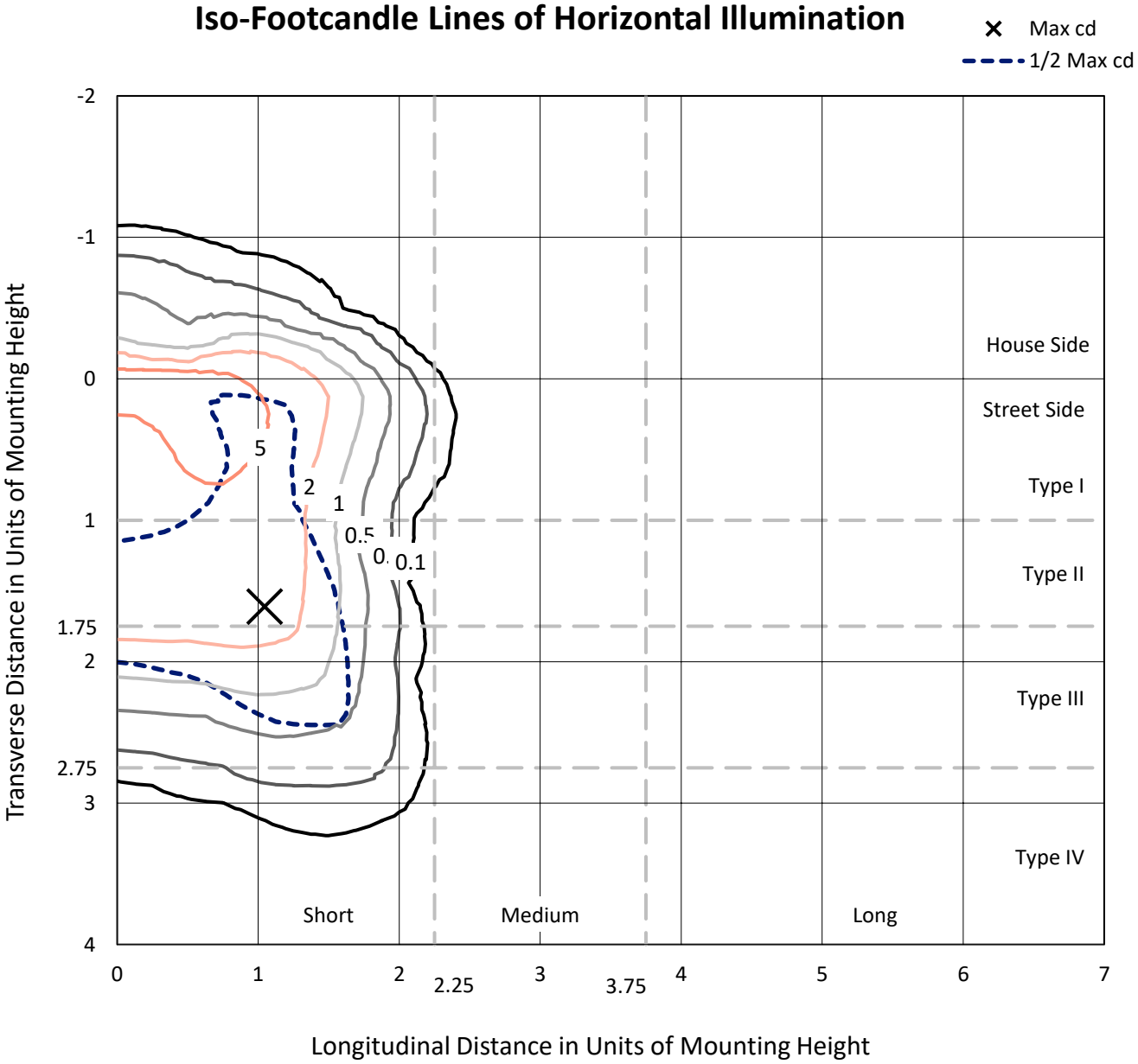
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1502657
CATALOG NUMBER: GSS-SB4A-827-U-T4LG-HSS

Iso-Footcandle Lines of Horizontal Illumination



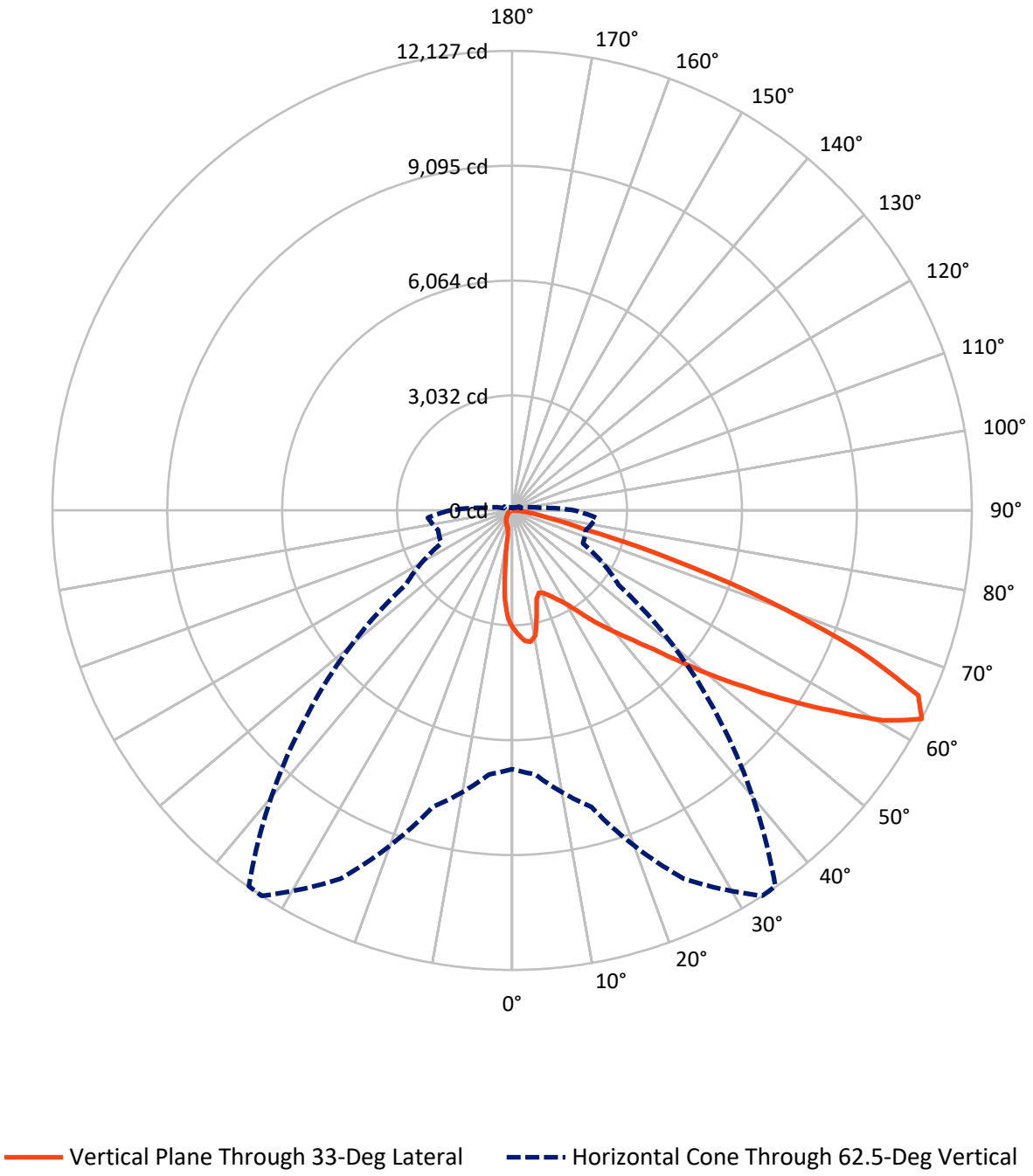
Based on 20 foot mounting height. Maximum calculated value = 9.2 fc
Type III - Short - N/A

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REPORT NUMBER: P1502657
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Luminous Intensity Polar Plot



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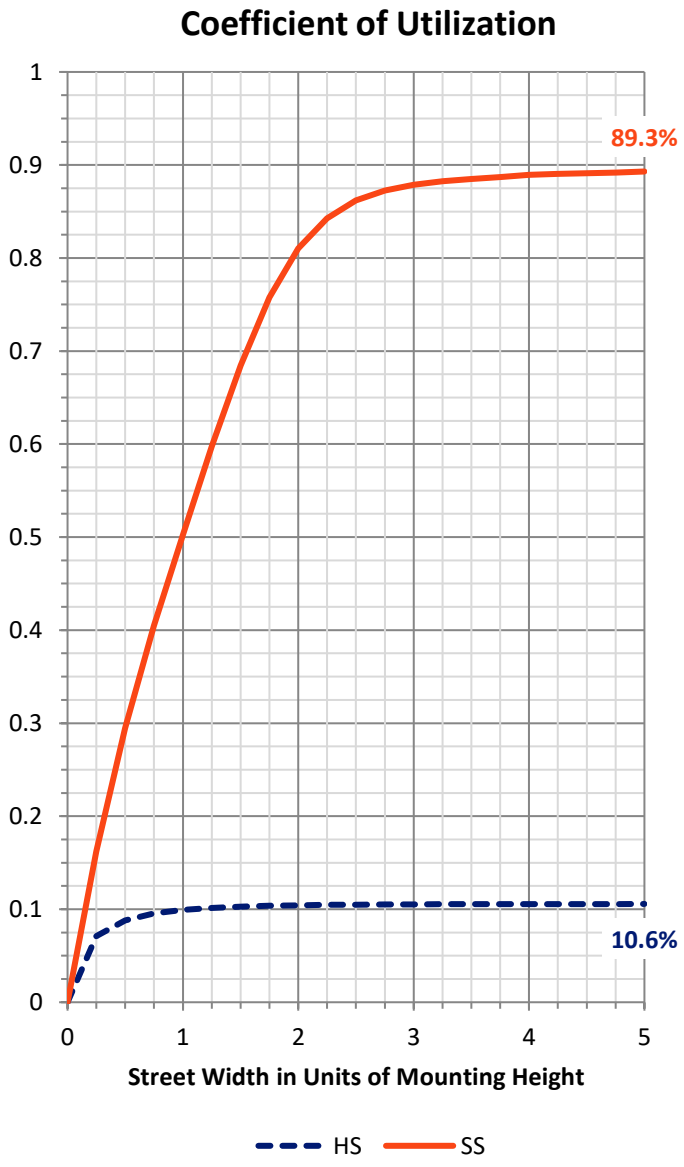
REPORT NUMBER: P1502657
CATALOG NUMBER: GSS-SB4A-827-U-T4LG-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1299.2	0.0	1299.2
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	10910.5	0.0	10910.5
	% Fixture	89.4	0.0	89.4
Total	Lumens	12209.7	0.0	12209.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.7	2.2
10°-20°	588.4	4.8
20°-30°	948.3	7.8
30°-40°	1577.6	12.9
40°-50°	2493.5	20.4
50°-60°	3349.9	27.4
60°-70°	2459.2	20.1
70°-80°	486.7	4.0
80°-90°	42.3	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°	12209.7	100.0
0°-180°	12209.7	100.0



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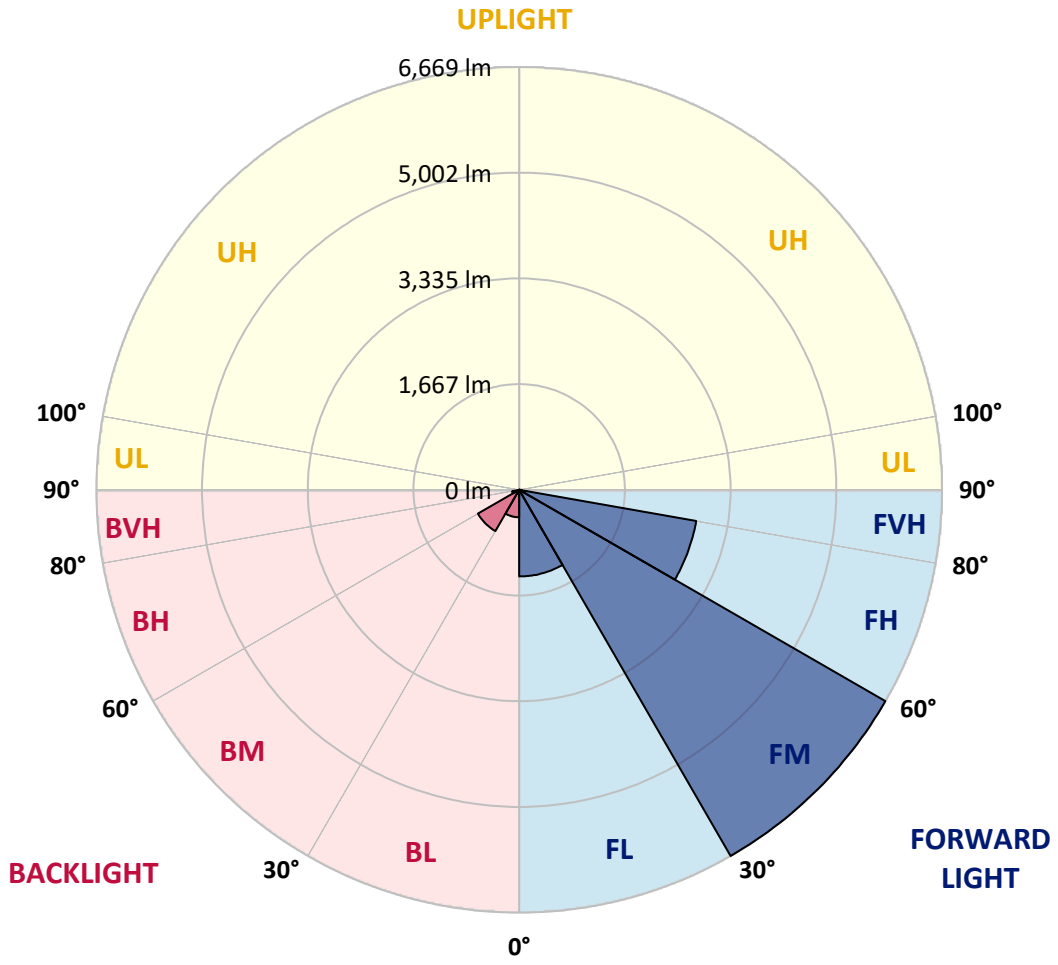
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REPORT NUMBER: P1502657
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1366.9	11.2			
FM	(30°-60°)	6669.5	54.6			
FH	(60°-80°)	2834.9	23.2			G2/5000
FVH	(80°-90°)	39.1	0.3			G1/100
BL	(0°-30°)	433.5	3.6	B1/500		
BM	(30°-60°)	751.5	6.2	B1/1000		
BH	(60°-80°)	111.0	0.9	B1/500		G1/500
BVH	(80°-90°)	3.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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REPORT NUMBER: P1502657
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4
2.5°	3304.3	3318.0	3318.0	3290.5	3283.6	3269.9	3256.1	3252.7	3208.0	3173.6	3139.2
5°	3472.7	3469.3	3465.9	3452.1	3455.5	3438.4	3428.0	3410.8	3335.2	3283.6	3190.8
7.5°	3400.5	3431.5	3445.2	3483.0	3500.2	3496.8	3524.3	3531.2	3465.9	3393.7	3252.7
10°	2929.5	2912.3	3036.1	3197.7	3359.3	3397.1	3544.9	3624.0	3600.0	3534.6	3352.4
12.5°	2320.9	2338.1	2424.0	2613.1	2877.9	2960.4	3386.8	3699.7	3768.4	3727.2	3489.9
15°	2124.9	2124.9	2169.6	2259.0	2417.2	2496.2	3022.3	3689.4	3947.2	3950.7	3661.8
17.5°	2083.6	2090.5	2128.3	2186.8	2289.9	2324.3	2692.2	3538.1	4122.6	4184.5	3854.4
20°	2090.5	2100.8	2142.1	2224.6	2324.3	2365.6	2606.3	3345.5	4270.4	4438.9	4057.3
22.5°	2114.6	2111.1	2183.4	2293.4	2420.6	2458.4	2678.5	3266.4	4394.2	4731.2	4294.5
25°	2142.1	2145.5	2238.4	2393.1	2547.8	2592.5	2840.1	3338.6	4483.6	5044.1	4535.2
27.5°	2224.6	2234.9	2348.4	2516.9	2699.1	2757.6	3049.8	3527.7	4638.3	5346.6	4796.5
30°	2351.8	2362.1	2492.8	2695.7	2891.7	2981.1	3311.1	3765.0	4868.7	5697.3	5064.7
32.5°	2499.7	2513.4	2681.9	2915.7	3153.0	3238.9	3610.3	4126.0	5174.7	6054.9	5343.2
35°	2685.4	2723.2	2905.4	3183.9	3503.7	3586.2	3978.2	4535.2	5573.6	6374.7	5580.4
37.5°	2939.8	2970.7	3194.2	3541.5	3864.7	3974.7	4390.8	4965.0	5934.6	6660.1	5773.0
40°	3249.2	3276.7	3527.7	3906.0	4242.9	4335.8	4824.0	5398.2	6323.1	6818.3	5814.3
42.5°	3765.0	3840.6	3998.8	4318.6	4679.6	4796.5	5305.4	5817.7	6605.1	6849.2	5748.9
45°	4665.8	4689.9	4724.3	4875.6	5222.9	5326.0	5814.3	6182.2	6773.6	6856.1	5690.5
47.5°	5528.9	5611.4	5659.5	5728.3	5938.0	5975.9	6347.2	6508.8	6907.6	6832.0	5690.5
50°	6391.9	6453.8	6536.3	6618.8	6842.3	6856.1	6911.1	6728.9	6914.5	6636.0	5656.1
52.5°	7175.8	7196.5	7337.4	7495.6	7774.1	7849.8	7433.7	6890.5	6498.5	6017.1	5494.5
55°	7877.3	7904.8	8117.9	8441.2	8840.0	8939.7	8073.2	6577.6	5608.0	5216.0	5119.7
57.5°	8331.1	8396.5	8822.8	9534.5	9985.0	9940.3	8568.4	5845.2	4504.2	4267.0	4456.1
60°	8104.2	8193.6	9091.0	10452.6	11253.7	11123.1	8430.8	4810.3	3328.3	3156.4	3527.7
62.5°	6828.6	6993.6	8104.2	10724.2	12127.1	12106.4	7653.8	3431.5	2063.0	2018.3	2228.1
65°	4748.4	5033.7	6350.6	9816.5	11776.4	11807.3	6443.5	1997.7	955.9	1186.2	1303.1
67.5°	2798.8	3001.7	4091.6	8014.8	9881.8	9596.4	4380.5	924.9	477.9	722.1	691.1
70°	1230.9	1368.5	2345.0	5552.9	7199.9	6739.2	2138.7	450.4	364.5	436.7	381.7
72.5°	677.4	739.2	1234.4	2932.9	4380.5	4163.8	722.1	299.1	312.9	326.6	275.1
75°	378.2	405.7	649.8	1695.1	1925.5	1791.4	350.7	196.0	264.8	264.8	202.9
77.5°	220.1	244.1	405.7	1055.6	1055.6	852.7	213.2	123.8	199.4	178.8	110.0
80°	103.2	116.9	223.5	584.5	667.0	550.1	120.3	86.0	130.7	113.5	72.2
82.5°	30.9	37.8	110.0	226.9	378.2	323.2	61.9	55.0	96.3	72.2	41.3
85°	20.6	24.1	55.0	92.8	185.7	161.6	20.6	17.2	41.3	34.4	17.2
87.5°	3.4	3.4	6.9	6.9	6.9	6.9	3.4	3.4	0.0	0.0	0.0
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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REPORT NUMBER: P1502657
CATALOG NUMBER: GSS-SB4A-827-U-T4LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4	3101.4
2.5°	3118.6	3094.5	3039.5	2987.9	2960.4	2898.5	2874.5	2847.0	2833.2	2829.8	2809.1
5°	3132.3	3087.6	2950.1	2812.6	2668.2	2530.6	2389.7	2265.9	2166.2	2169.6	2173.0
7.5°	3173.6	3084.2	2843.5	2568.4	2259.0	1901.4	1519.8	1234.4	1052.1	1014.3	979.9
10°	3228.6	3098.0	2712.9	2204.0	1595.4	1004.0	708.3	605.1	560.5	550.1	553.6
12.5°	3331.8	3132.3	2547.8	1702.0	883.7	577.6	512.3	495.1	488.2	488.2	488.2
15°	3459.0	3180.5	2289.9	1114.0	577.6	481.4	467.6	464.2	457.3	457.3	460.7
17.5°	3565.6	3180.5	1949.5	725.5	474.5	447.0	436.7	433.2	433.2	436.7	433.2
20°	3682.5	3156.4	1567.9	546.7	440.1	416.0	409.2	409.2	409.2	412.6	412.6
22.5°	3802.8	3115.1	1213.7	467.6	409.2	388.5	385.1	388.5	392.0	395.4	395.4
25°	3936.9	3063.6	959.3	433.2	381.7	364.5	364.5	364.5	367.9	374.8	378.2
27.5°	4084.8	3018.9	821.8	412.6	357.6	340.4	340.4	343.8	350.7	354.2	357.6
30°	4222.3	3018.9	777.1	422.9	347.3	326.6	319.8	323.2	330.1	337.0	337.0
32.5°	4394.2	3053.3	801.1	467.6	343.8	306.0	299.1	299.1	306.0	309.5	309.5
35°	4538.6	3118.6	883.7	529.5	357.6	288.8	275.1	271.6	278.5	275.1	278.5
37.5°	4655.5	3208.0	1034.9	612.0	385.1	268.2	251.0	240.7	240.7	240.7	240.7
40°	4689.9	3297.4	1227.5	667.0	381.7	244.1	220.1	209.7	206.3	202.9	202.9
42.5°	4641.8	3338.6	1382.2	663.6	340.4	226.9	196.0	182.2	171.9	168.5	168.5
45°	4604.0	3359.3	1437.2	577.6	309.5	206.3	175.4	158.2	147.8	144.4	141.0
47.5°	4607.4	3379.9	1354.7	471.1	281.9	189.1	158.2	141.0	130.7	127.2	123.8
50°	4621.1	3345.5	1148.4	392.0	257.9	171.9	141.0	127.2	116.9	113.5	110.0
52.5°	4476.7	3163.3	808.0	343.8	237.2	161.6	127.2	116.9	106.6	103.2	103.2
55°	4098.5	2726.6	546.7	306.0	220.1	147.8	116.9	110.0	99.7	92.8	92.8
57.5°	3493.4	2056.1	378.2	278.5	192.5	134.1	110.0	99.7	89.4	82.5	82.5
60°	2671.6	1341.0	275.1	254.4	158.2	123.8	103.2	96.3	82.5	75.6	72.2
62.5°	*1626.3*	*753.0*	*223.5*	*223.5*	*134.1*	*116.9*	*92.8*	*86.0*	*72.2*	*61.9*	*58.5*
65°	942.1	443.5	182.2	189.1	116.9	106.6	82.5	72.2	58.5	48.1	44.7
67.5°	453.9	257.9	144.4	134.1	103.2	89.4	72.2	61.9	51.6	41.3	37.8
70°	278.5	199.4	110.0	96.3	82.5	68.8	58.5	55.0	44.7	34.4	34.4
72.5°	226.9	161.6	86.0	68.8	61.9	48.1	48.1	44.7	34.4	27.5	24.1
75°	178.8	120.3	65.3	48.1	37.8	37.8	34.4	30.9	27.5	20.6	20.6
77.5°	96.3	82.5	48.1	27.5	20.6	24.1	24.1	20.6	17.2	13.8	13.8
80°	61.9	48.1	27.5	13.8	13.8	13.8	13.8	10.3	10.3	6.9	6.9
82.5°	30.9	24.1	13.8	3.4	6.9	6.9	6.9	6.9	6.9	3.4	3.4
85°	6.9	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

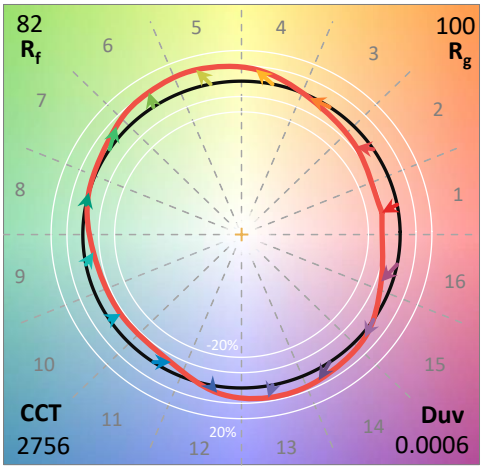
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

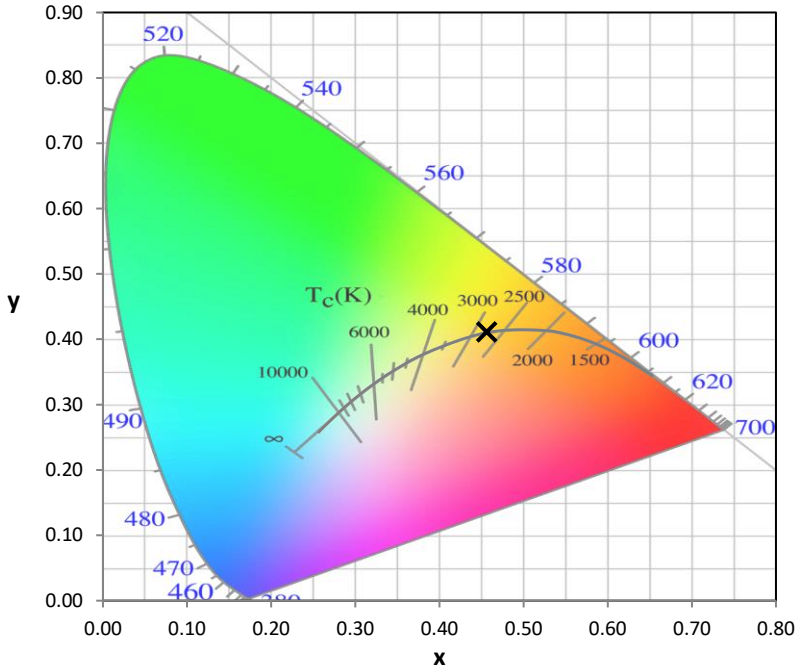
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

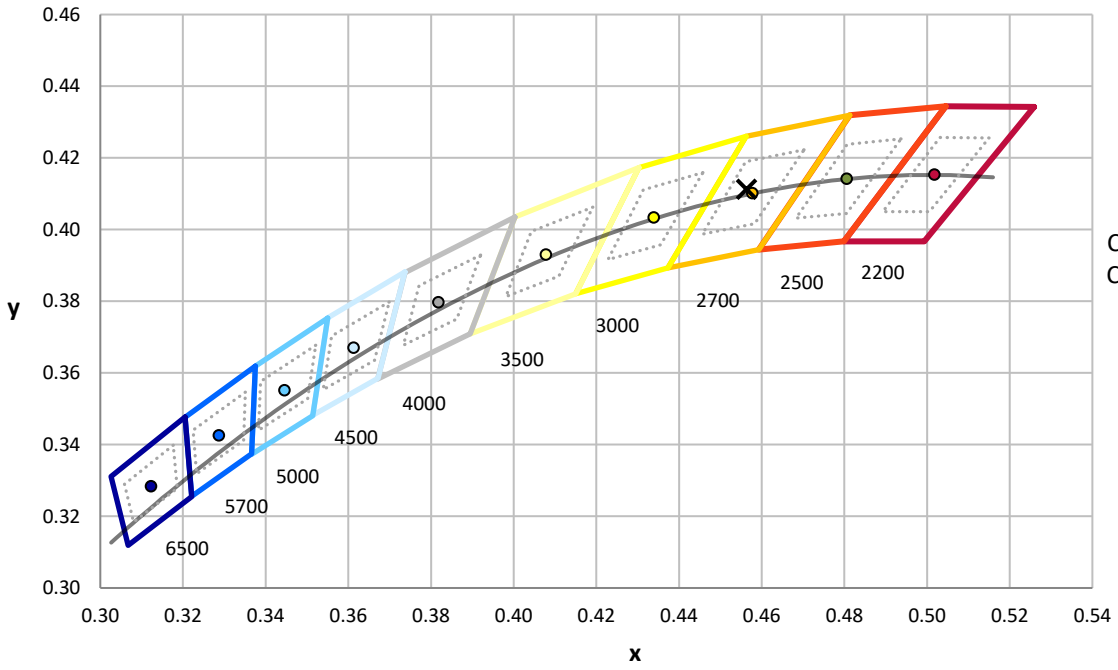
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

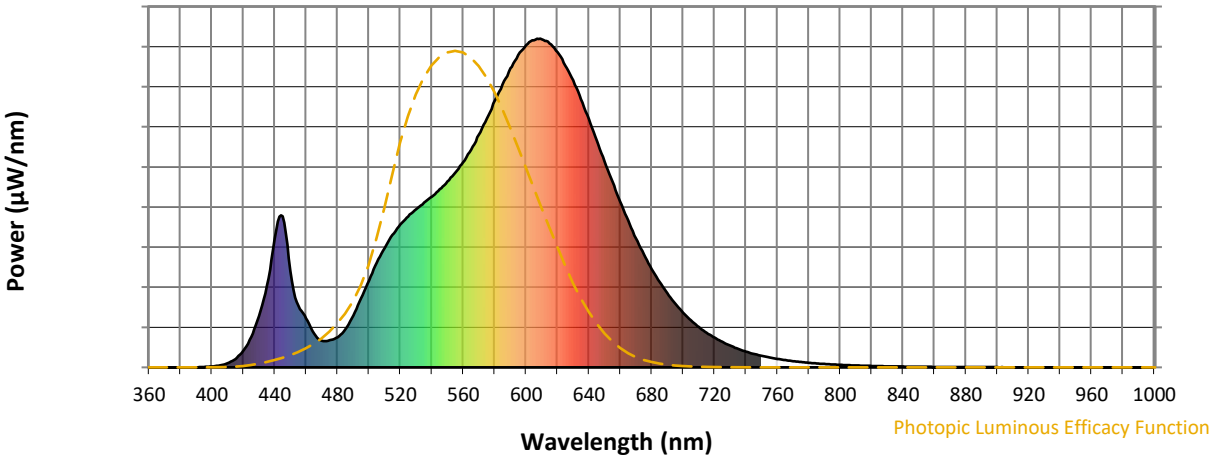


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

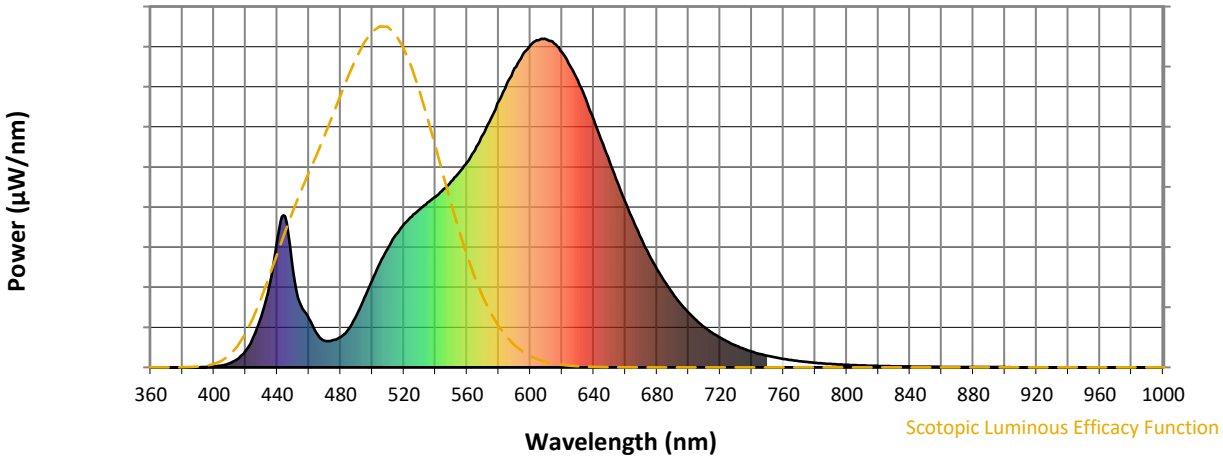


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

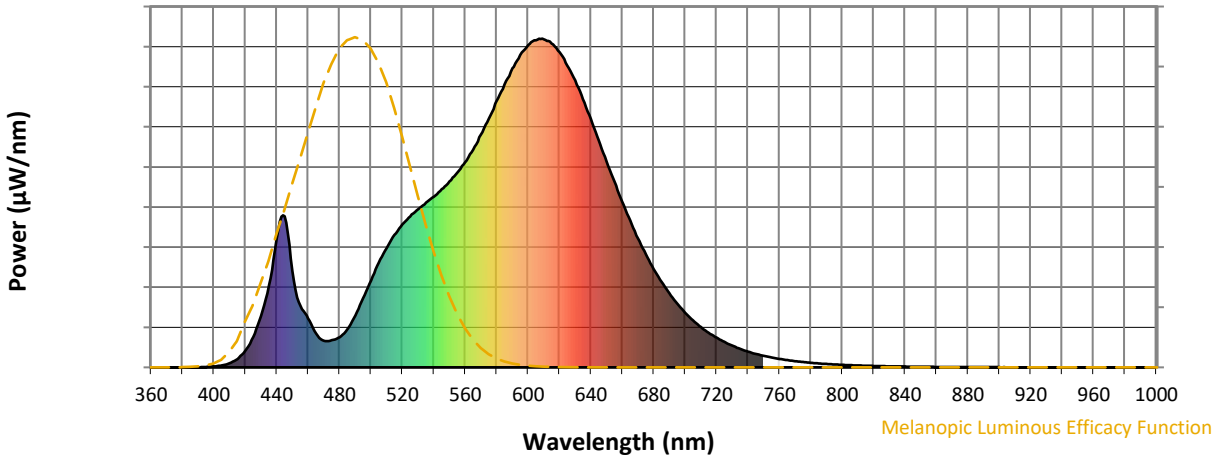


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

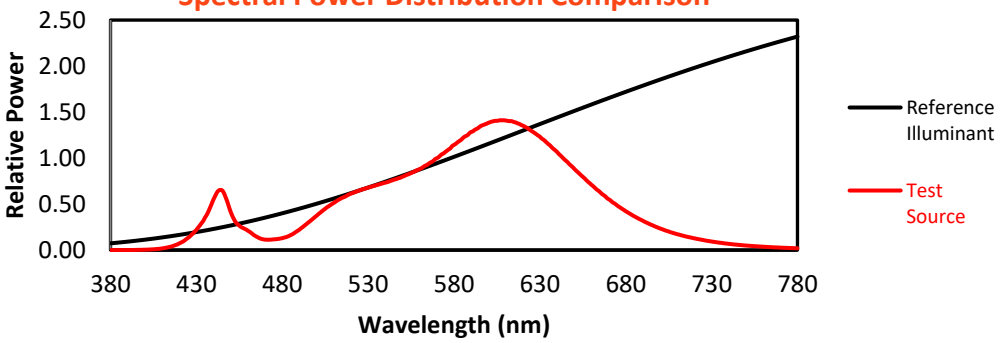
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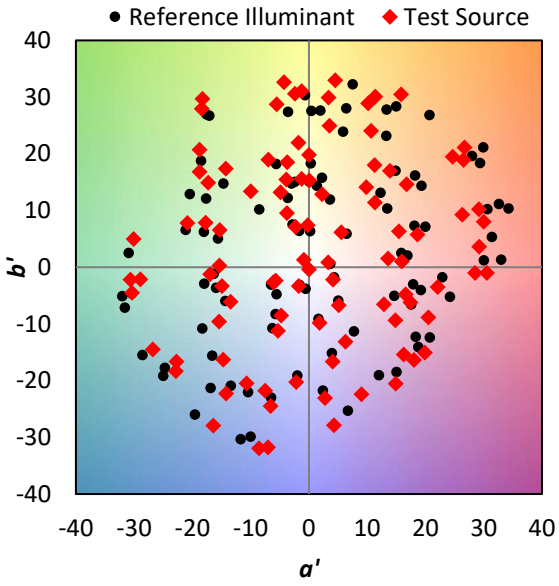
Summary

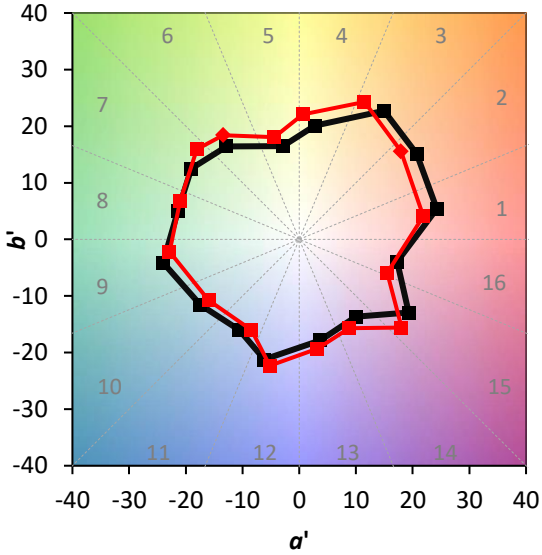
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

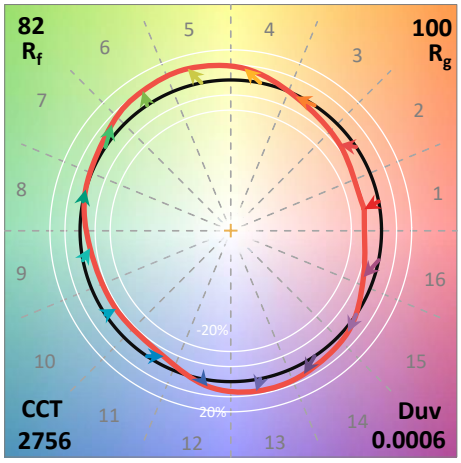
Spectral Power Distribution Comparison

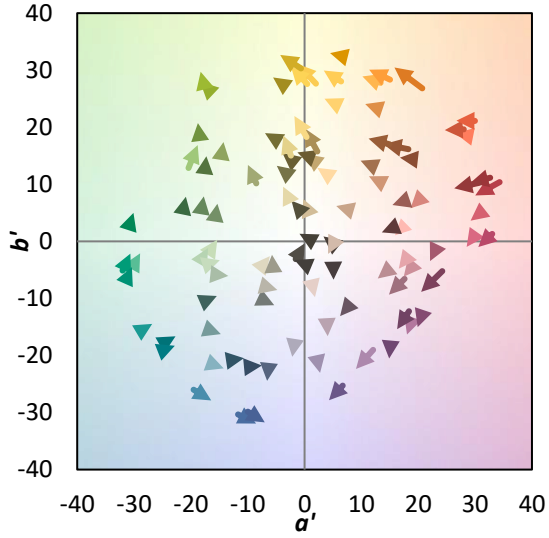


Color Vector Graphics







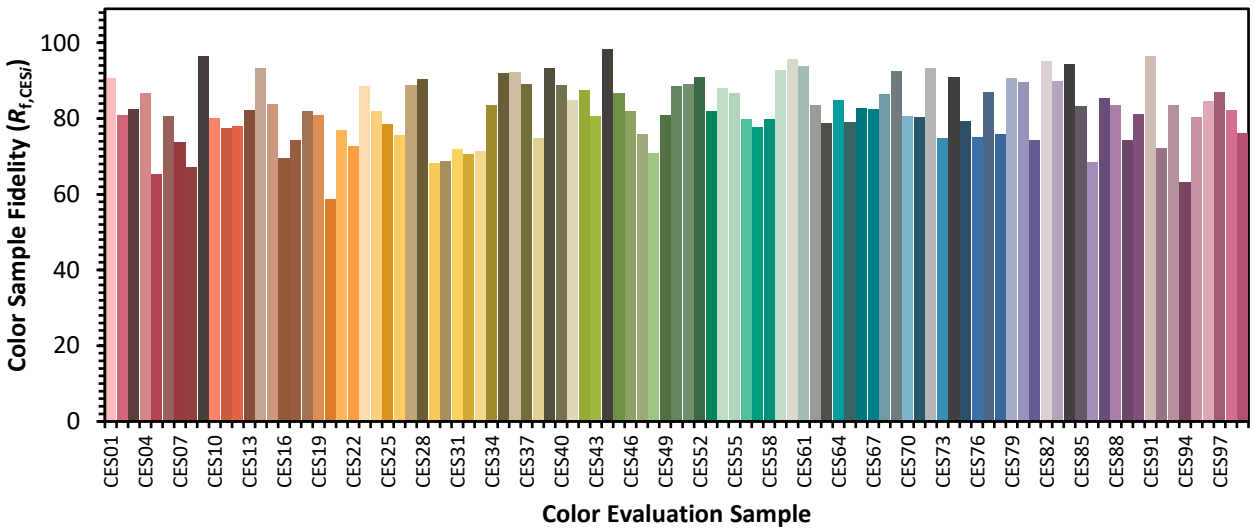


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Individual Sample Fidelity Index ($R_{f,i}$)

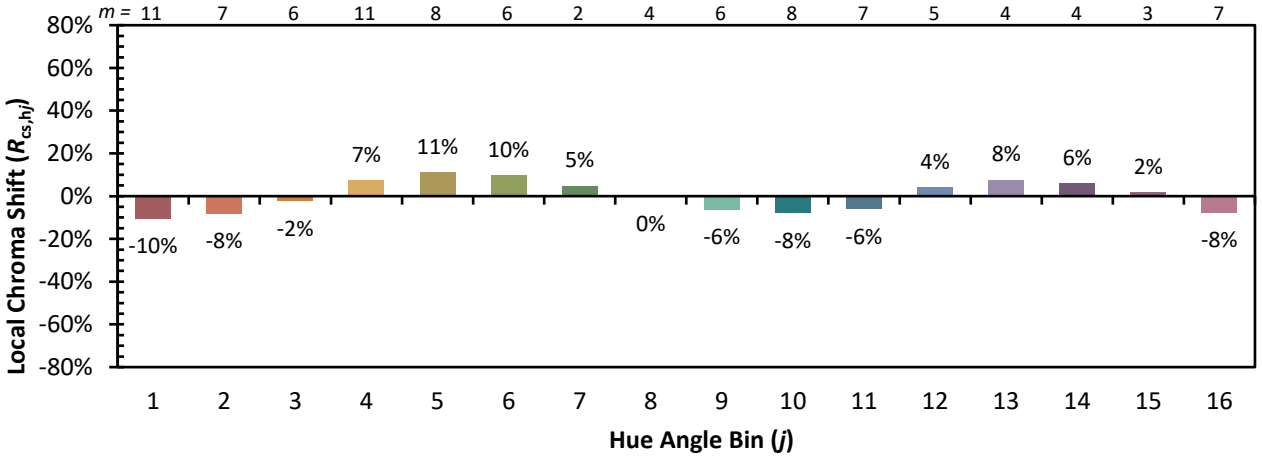
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

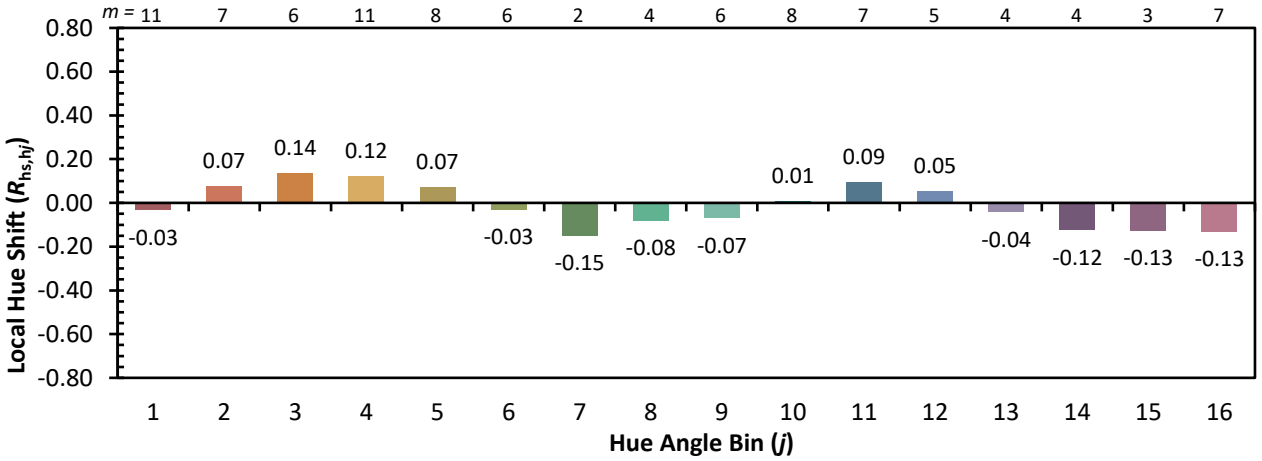


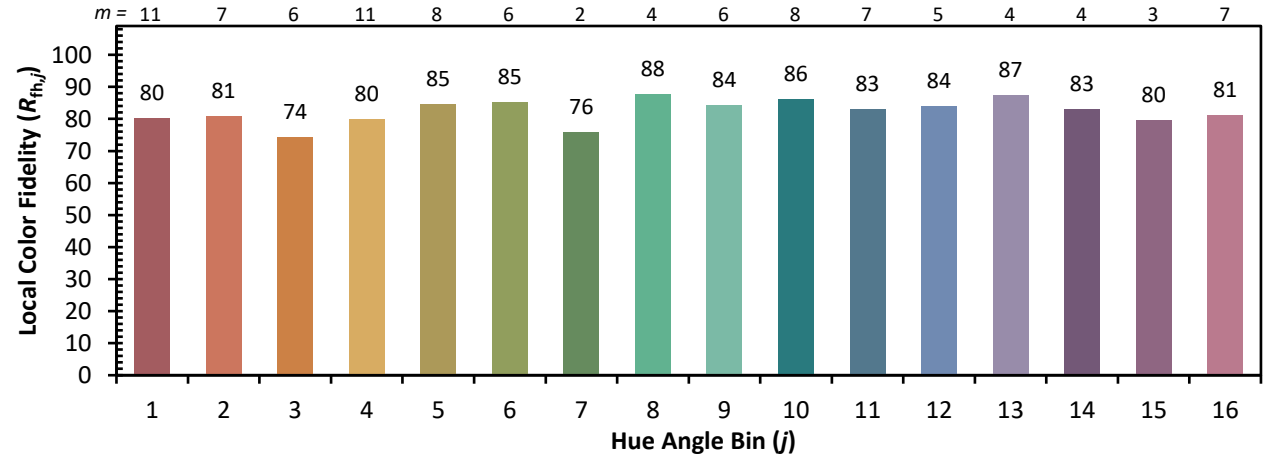
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Color Rendition by Hue-Angle Bin



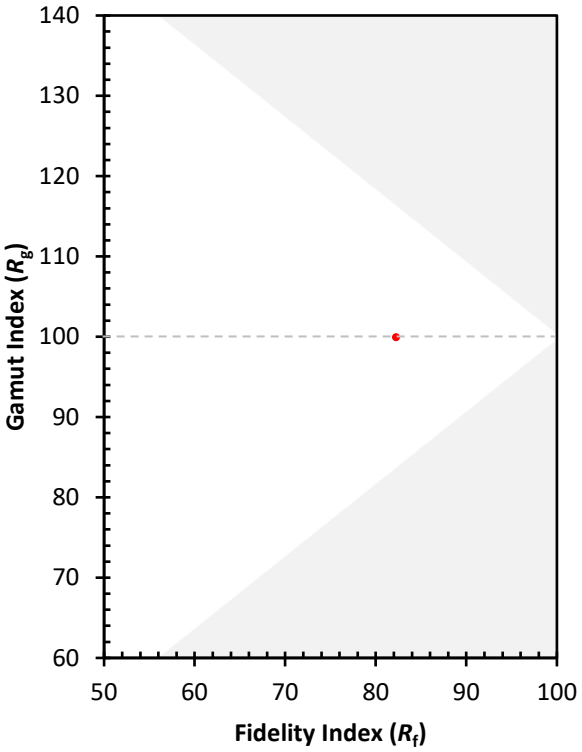


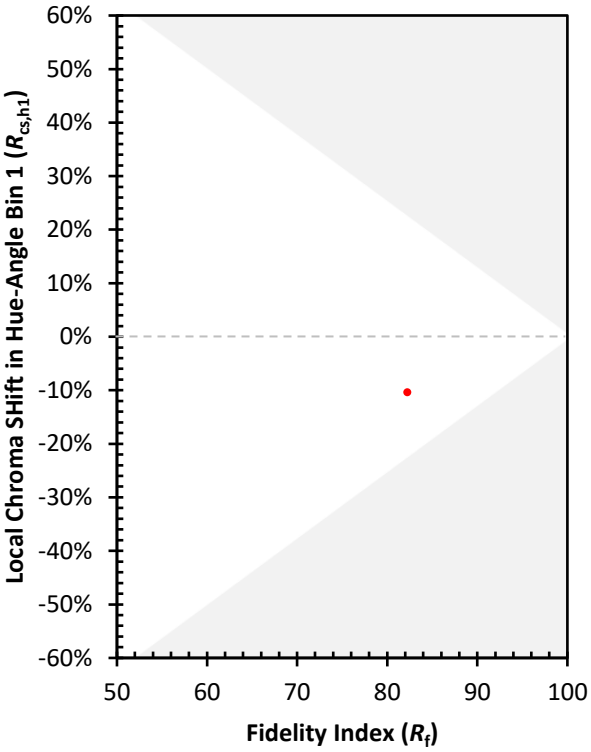


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Measure Comparisons





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