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: P1502345

Luminaire Tested: GSS-SB4A-840-U-T3LG-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:	P1502345
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-840-U-T3LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 80CRI 4000K FIXTURE w/ TYPE III LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13941.2 lumens
Efficiency:	N/A
Efficacy:	122.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

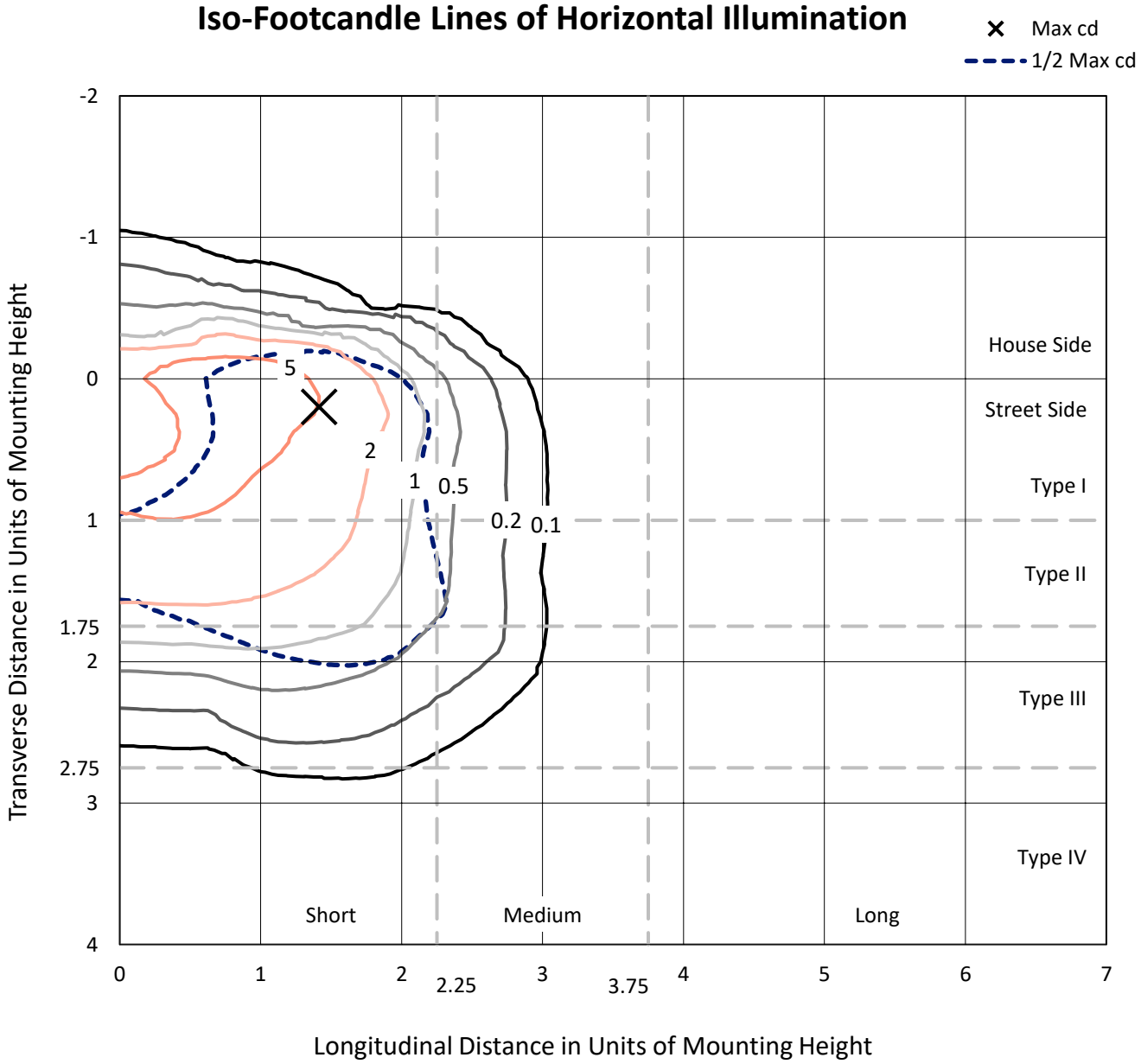
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1502345
CATALOG NUMBER: GSS-SB4A-840-U-T3LG-HSS

Iso-Footcandle Lines of Horizontal Illumination



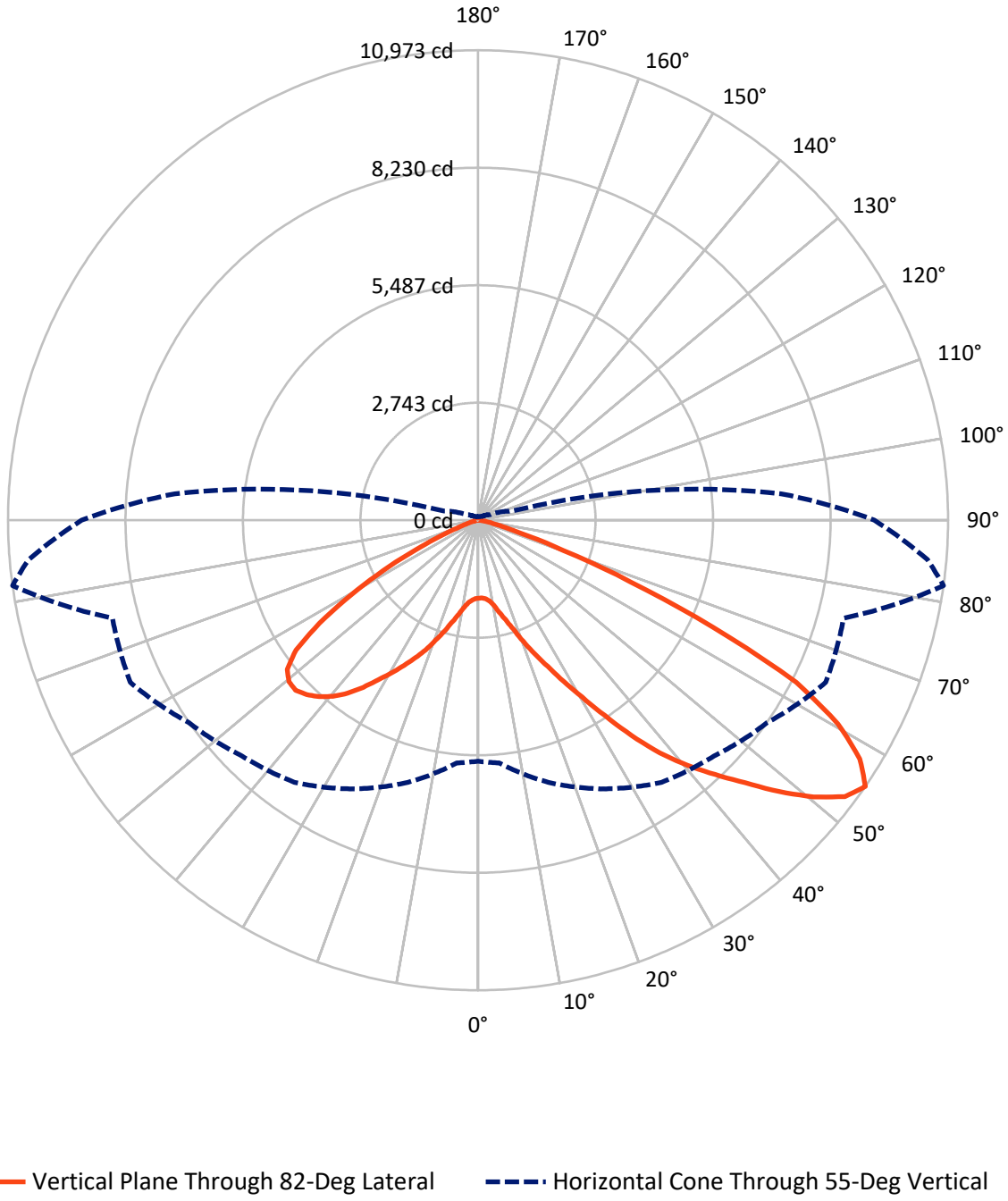
Based on 20 foot mounting height. Maximum calculated value = 8.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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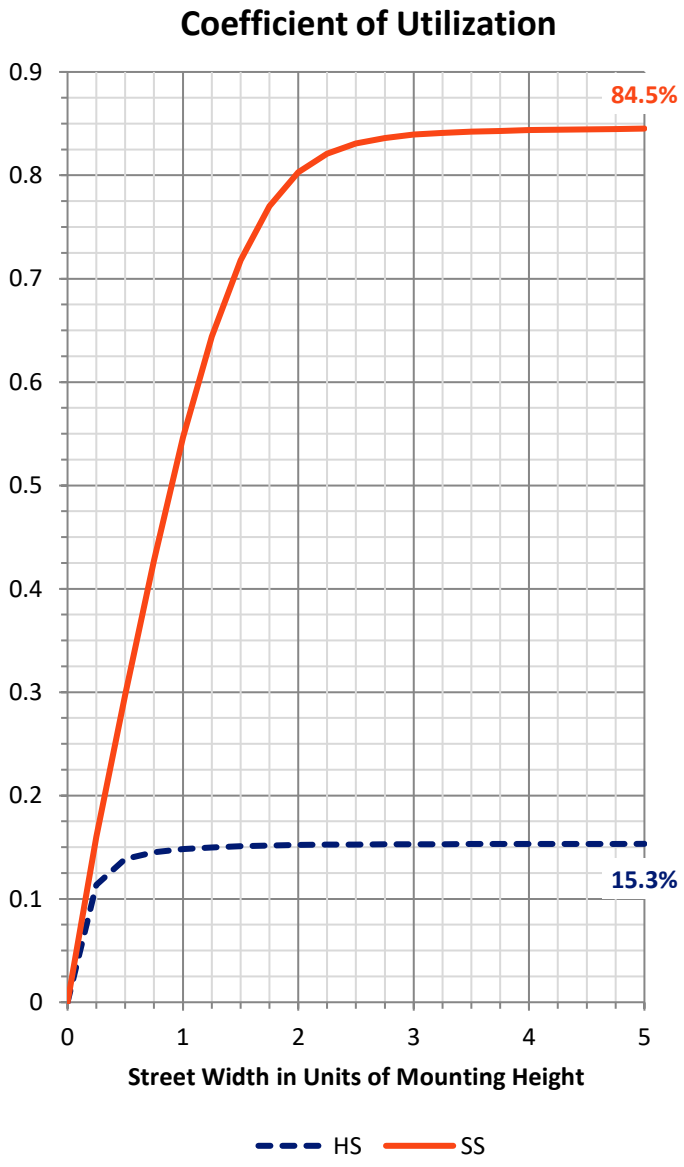
REPORT NUMBER: P1502345
CATALOG NUMBER: GSS-SB4A-840-U-T3LG-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2154.8	0.0	2154.8
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	11786.3	0.0	11786.3
	% Fixture	84.5	0.0	84.5
Total	Lumens	13941.2	0.0	13941.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	1.2
10°-20°	446.6	3.2
20°-30°	892.8	6.4
30°-40°	1848.9	13.3
40°-50°	3088.5	22.2
50°-60°	3917.2	28.1
60°-70°	2928.4	21.0
70°-80°	620.3	4.4
80°-90°	33.4	0.2
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°	13941.2	100.0
0°-180°	13941.2	100.0



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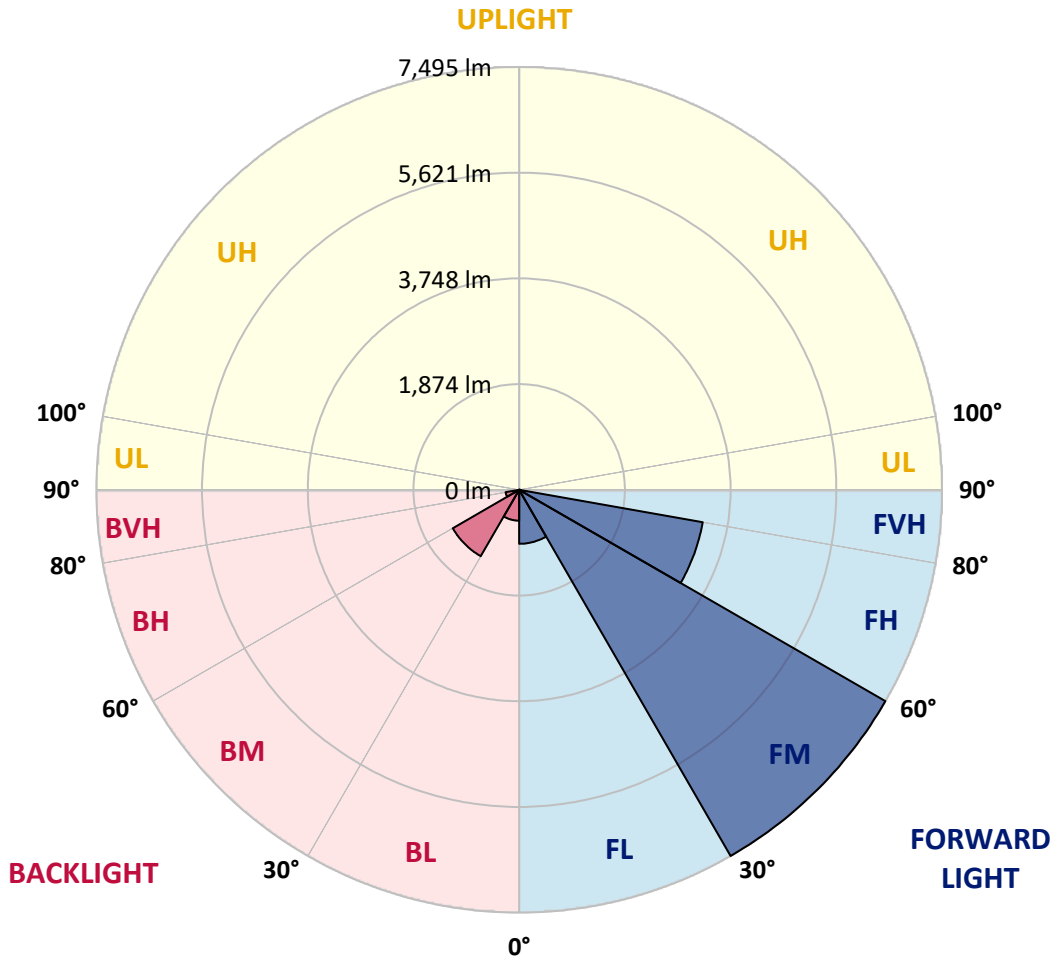
Scaled Data Report

REPORT NUMBER: P1502345
CATALOG NUMBER: GSS-SB4A-840-U-T3LG-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	957.4	6.9			
FM	(30°-60°)	7495.0	53.8			
FH	(60°-80°)	3304.0	23.7			G2/5000
FVH	(80°-90°)	29.9	0.2			G1/100
BL	(0°-30°)	547.0	3.9	B2/1000		
BM	(30°-60°)	1359.6	9.8	B2/2500		
BH	(60°-80°)	244.7	1.8	B1/500		G1/500
BVH	(80°-90°)	3.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	*1820.0*	1820.0
2.5°	1770.8	1774.6	1767.0	1770.8	1778.4	1774.6	1789.7	1801.1	1812.4	*1816.2*	1820.0
5°	1615.7	1619.5	1623.3	1653.5	1672.4	1717.9	1759.5	1786.0	1823.8	*1842.7*	1846.5
7.5°	1430.3	1430.3	1445.4	1483.3	1532.4	1619.5	1714.1	1789.7	1861.6	*1899.5*	1907.0
10°	1396.2	1400.0	1400.0	1426.5	1468.1	1555.1	1676.2	1827.6	1956.2	*2013.0*	2031.9
12.5°	1403.8	1407.6	1411.4	1437.8	1479.5	1555.1	1710.3	1907.0	2107.6	*2202.2*	2213.5
15°	1422.7	1430.3	1441.6	1475.7	1521.1	1619.5	1782.2	2020.6	2289.2	*2410.3*	2440.6
17.5°	1479.5	1483.3	1502.2	1540.0	1611.9	1710.3	1888.1	2168.1	2542.7	*2675.2*	2731.9
20°	1566.5	1574.1	1600.6	1653.5	1736.8	1861.6	2058.4	2361.1	2815.2	*3019.5*	3064.9
22.5°	1676.2	1676.2	1714.1	1797.3	1914.6	2054.6	2293.0	2618.4	3148.1	*3386.5*	3462.2
25°	1857.9	1854.1	1884.3	1978.9	2118.9	2323.3	2565.4	2924.9	3496.2	*3780.0*	3859.5
27.5°	2274.1	2262.7	2251.4	2255.2	2376.2	2637.3	2917.3	3310.8	3927.6	*4260.6*	4321.1
30°	2758.4	2773.5	2758.4	2720.6	2739.5	2981.6	3329.8	3783.8	4411.9	*4786.5*	4866.0
32.5°	3182.2	3189.8	3254.1	3295.7	3310.8	3424.4	3806.5	4355.2	5028.7	*5437.3*	5539.5
35°	3643.8	3655.2	3727.1	3814.1	3950.3	4052.5	4404.4	5017.3	5656.8	*6171.4*	6247.1
37.5°	4181.1	4200.0	4294.6	4419.5	4608.7	4843.3	5032.5	5619.0	6296.3	*6890.3*	6969.8
40°	4654.1	4714.6	4877.3	5036.3	5236.8	5501.7	5626.5	6144.9	6769.2	*7526.0*	7658.4
42.5°	5100.6	5134.6	5395.7	5641.7	5880.0	6095.7	6216.8	6557.4	7189.2	*8116.3*	8263.9
45°	5471.4	5497.9	5789.2	6114.6	6409.8	6625.5	6644.4	6958.4	7605.5	*8740.6*	8854.1
47.5°	5698.4	5740.0	6114.6	6485.5	6810.9	7011.4	6981.1	7469.2	8059.5	*9467.1*	9482.2
50°	5834.6	5861.1	6243.3	6723.8	7124.9	7264.9	7329.2	7957.4	8472.0	*10155.8*	10064.9
52.5°	5933.0	5974.6	6349.2	6860.1	7310.3	7499.5	7730.3	8506.0	8797.4	*10719.5*	10477.4
55°	*5626.5*	*5687.1*	*6334.1*	*6920.6*	*7469.2*	*7787.1*	*8241.1*	*8956.3*	*8835.2*	*10973.1*	*10530.4*
57.5°	5282.2	5293.6	5933.0	6901.7	7647.1	8089.8	8710.3	8990.3	8483.3	*10511.4*	9993.1
60°	4775.2	4843.3	5497.9	6655.7	7677.4	8332.0	9028.2	8577.9	7840.1	*9656.3*	8876.8
62.5°	3352.5	3458.4	4313.5	6008.7	7461.7	8464.4	8975.2	7859.0	7034.1	*8335.7*	7461.7
65°	1876.8	1967.6	2667.6	4847.1	6867.6	8434.1	8430.3	6897.9	5740.0	*6023.8*	5335.2
67.5°	1029.2	1101.1	1384.9	3647.6	5448.7	7787.1	7283.8	5263.3	3848.1	*3825.4*	3329.8
70°	718.9	722.7	874.1	2463.3	3916.2	5433.6	5694.6	3530.3	2387.6	*2111.4*	1782.2
72.5°	351.9	355.7	435.1	1161.6	2395.2	3011.9	3904.9	1835.1	1339.5	*1048.1*	893.0
75°	177.8	174.1	238.4	435.1	991.4	1468.1	1721.6	919.5	779.5	*575.1*	510.8
77.5°	113.5	117.3	140.0	238.4	446.5	571.4	529.7	499.5	457.8	*336.8*	291.4
80°	75.7	75.7	94.6	151.4	219.5	272.4	162.7	230.8	268.7	*196.8*	170.3
82.5°	22.7	22.7	56.8	83.2	105.9	109.7	71.9	105.9	151.4	*109.7*	83.2
85°	15.1	15.1	30.3	41.6	45.4	37.8	22.7	45.4	71.9	*49.2*	41.6
87.5°	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8	*3.8*	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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CATALOG NUMBER: GSS-SB4A-840-U-T3LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0
2.5°	1823.8	1827.6	1838.9	1842.7	1850.3	1854.1	1854.1	1854.1	1850.3	1854.1	1861.6
5°	1854.1	1873.0	1888.1	1884.3	1884.3	1865.4	1850.3	1820.0	1804.9	1801.1	1804.9
7.5°	1929.7	1944.9	1960.0	1937.3	1880.6	1793.5	1698.9	1623.3	1558.9	1528.7	1540.0
10°	2066.0	2084.9	2084.9	1978.9	1820.0	1615.7	1445.4	1305.4	1199.5	1142.7	1169.2
12.5°	2262.7	2277.9	2240.0	2016.8	1714.1	1377.3	1093.5	858.9	722.7	654.6	639.5
15°	2489.7	2512.5	2383.8	2009.2	1547.6	1029.2	681.1	510.8	461.6	446.5	450.3
17.5°	2781.1	2792.5	2542.7	1948.7	1260.0	673.5	484.3	435.1	423.8	416.2	416.2
20°	3140.6	3106.5	2671.4	1846.5	919.5	529.7	446.5	408.7	397.3	393.5	397.3
22.5°	3526.5	3473.5	2777.3	1653.5	696.2	499.5	427.6	385.9	370.8	367.0	367.0
25°	3931.4	3810.3	2860.6	1369.7	650.8	491.9	404.9	351.9	336.8	329.2	329.2
27.5°	4393.0	4184.9	2906.0	1146.5	662.2	480.5	378.4	321.6	298.9	291.4	291.4
30°	4903.8	4601.1	2909.8	1101.1	684.9	465.4	351.9	287.6	264.9	253.5	257.3
32.5°	5524.4	5024.9	2898.4	1173.0	700.0	454.1	321.6	253.5	234.6	223.2	223.2
35°	6167.6	5539.5	2853.0	1309.2	707.6	420.0	283.8	223.2	200.5	196.8	200.5
37.5°	6807.1	6027.6	2788.7	1384.9	669.7	344.3	230.8	193.0	177.8	177.8	177.8
40°	7389.8	6451.4	2701.6	1320.6	533.5	249.7	189.2	166.5	158.9	155.1	158.9
42.5°	7824.9	6829.8	2542.7	1112.4	378.4	200.5	166.5	147.6	140.0	140.0	143.8
45°	8301.7	7193.0	2236.2	817.3	287.6	174.1	143.8	128.6	124.9	124.9	128.6
47.5°	8782.2	7484.4	1941.1	544.9	249.7	155.1	128.6	117.3	113.5	109.7	113.5
50°	9149.3	7624.4	1555.1	397.3	227.0	140.0	117.3	109.7	102.2	98.4	98.4
52.5°	9410.3	7586.5	1138.9	340.5	208.1	128.6	109.7	102.2	90.8	90.8	90.8
55°	*9251.4*	*7102.2*	*821.1*	*306.5*	*193.0*	*121.1*	*105.9*	*94.6*	*87.0*	*83.2*	*83.2*
57.5°	8479.5	6054.1	594.1	276.2	170.3	113.5	102.2	90.8	79.5	75.7	75.7
60°	7370.9	4714.6	442.7	242.2	147.6	109.7	90.8	87.0	75.7	68.1	68.1
62.5°	6023.8	3431.9	344.3	208.1	132.4	94.6	87.0	79.5	68.1	60.5	56.8
65°	4181.1	2190.8	264.9	170.3	124.9	83.2	79.5	68.1	56.8	45.4	45.4
67.5°	2580.6	1301.6	204.3	132.4	98.4	71.9	68.1	60.5	49.2	37.8	37.8
70°	1426.5	688.7	140.0	98.4	75.7	56.8	53.0	53.0	41.6	34.1	30.3
72.5°	684.9	374.6	94.6	83.2	56.8	37.8	41.6	41.6	34.1	26.5	26.5
75°	412.4	223.2	64.3	64.3	37.8	30.3	30.3	34.1	26.5	18.9	18.9
77.5°	234.6	132.4	37.8	49.2	26.5	18.9	22.7	18.9	15.1	11.4	11.4
80°	132.4	75.7	22.7	34.1	15.1	11.4	11.4	7.6	7.6	3.8	3.8
82.5°	64.3	41.6	11.4	11.4	7.6	3.8	3.8	3.8	3.8	0.0	0.0
85°	30.3	7.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

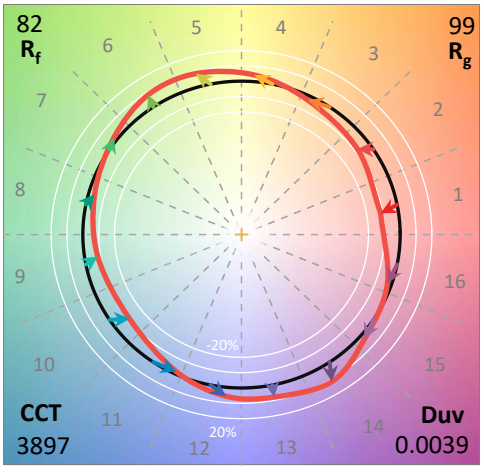
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
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-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

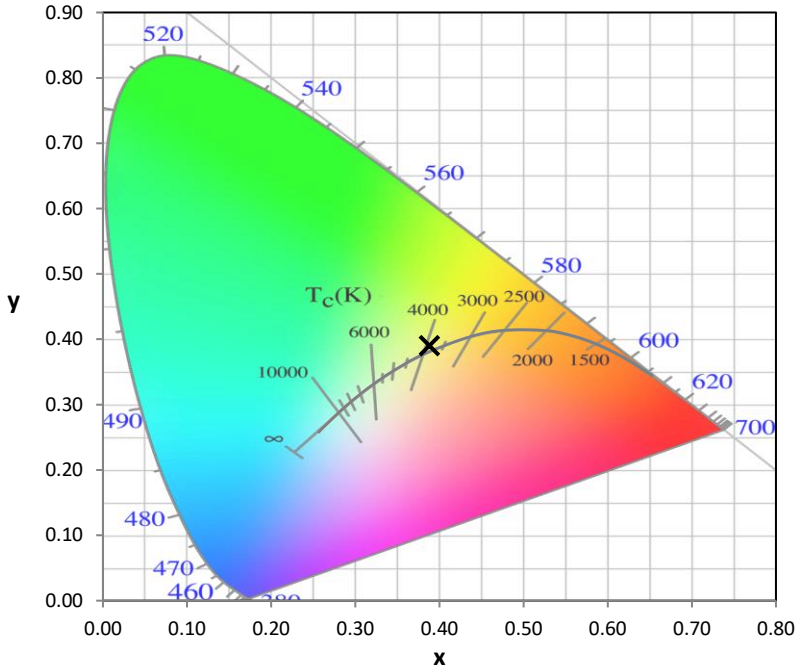
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

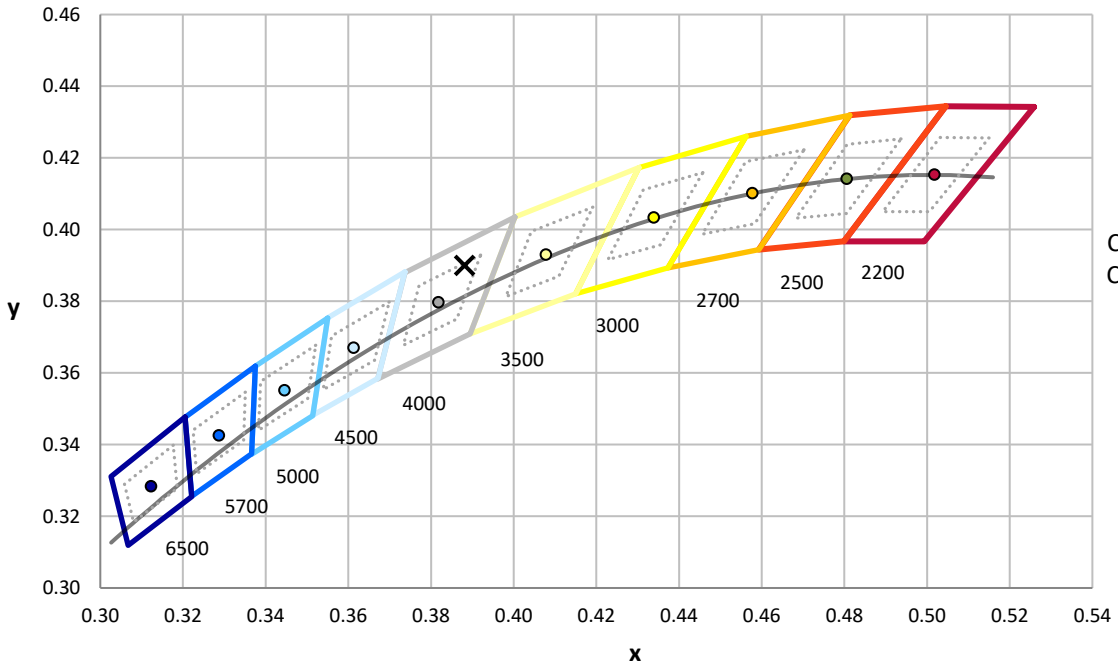
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



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

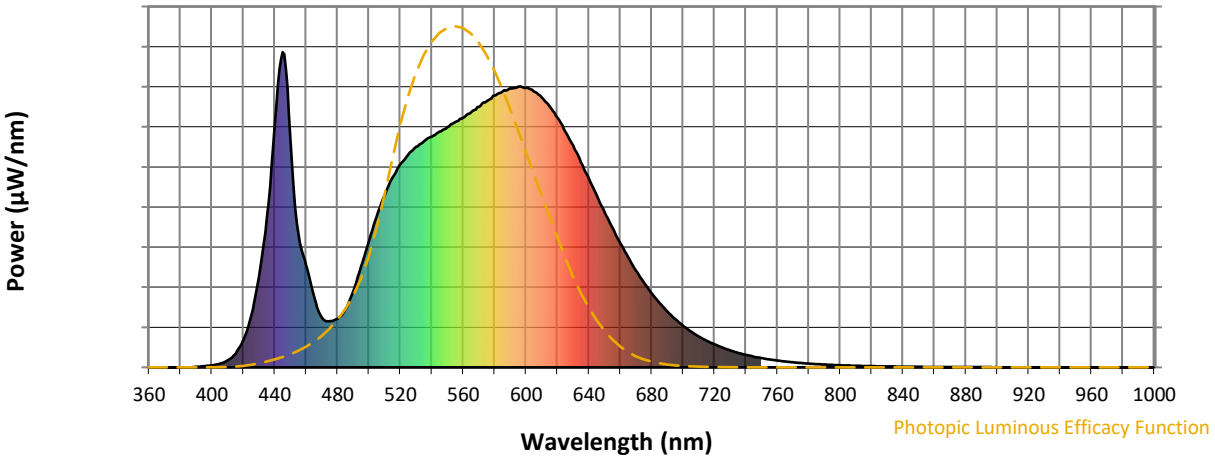


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

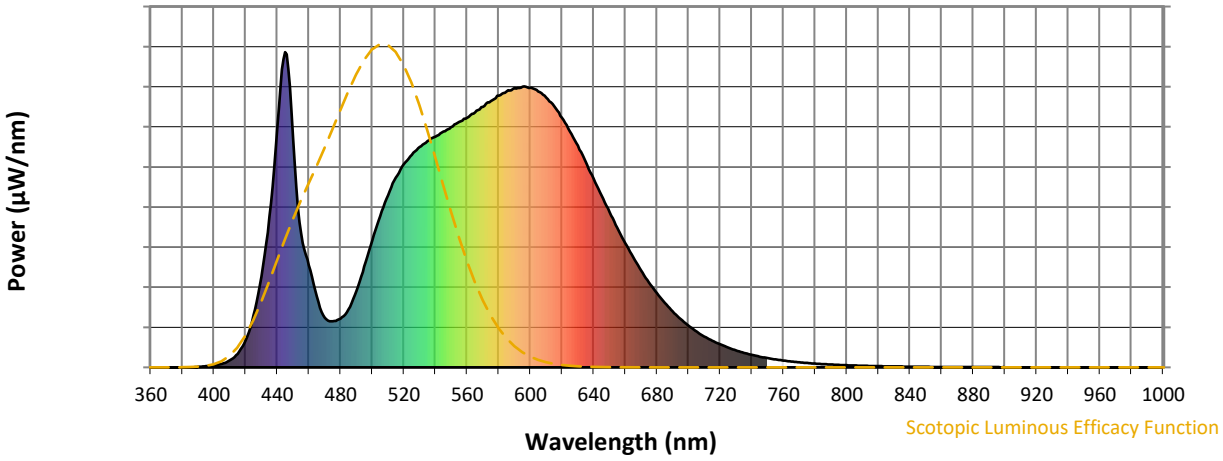


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

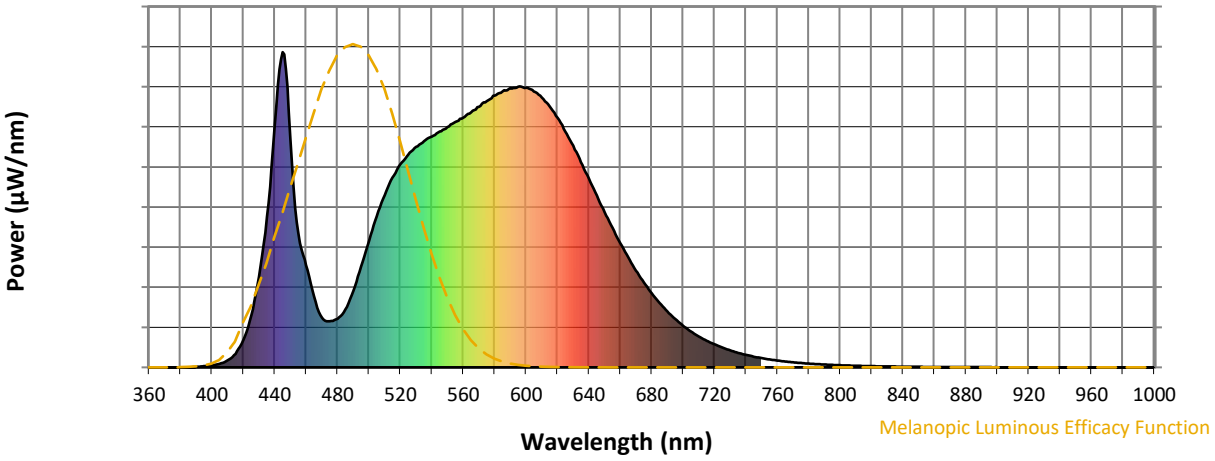


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

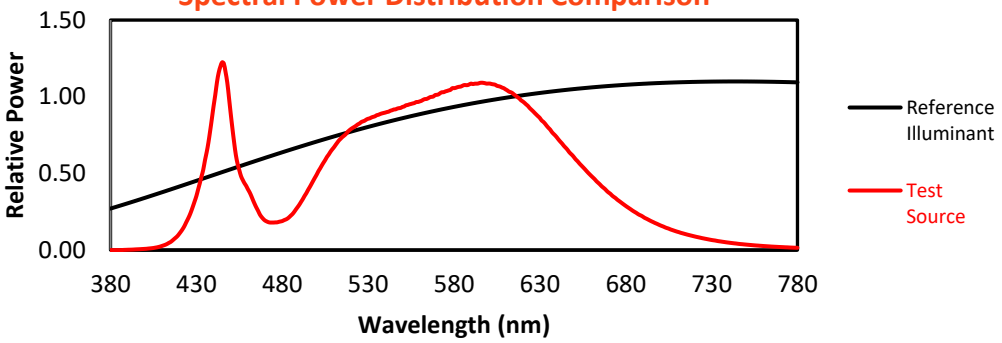
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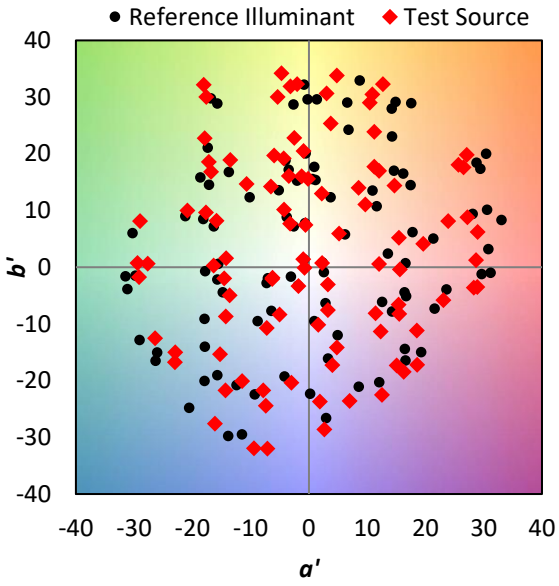
Summary

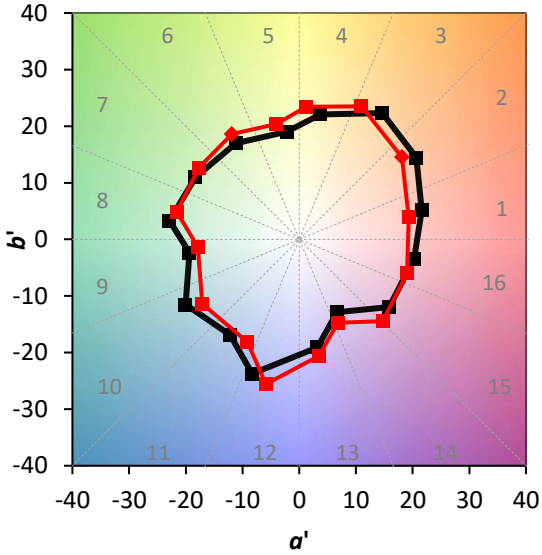
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

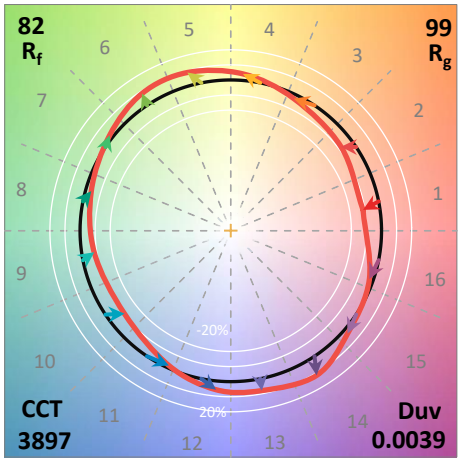
Spectral Power Distribution Comparison

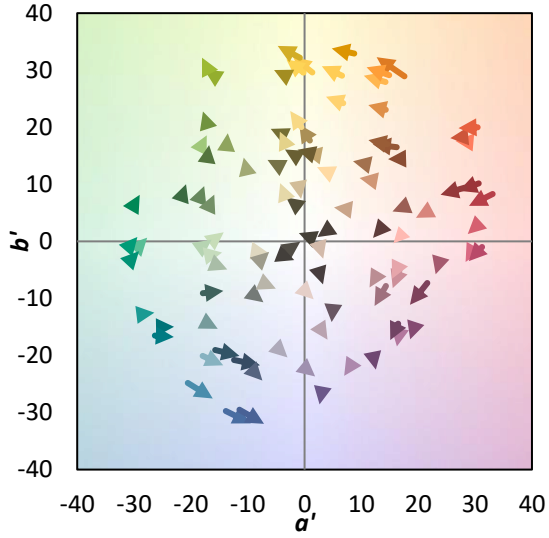


Color Vector Graphics







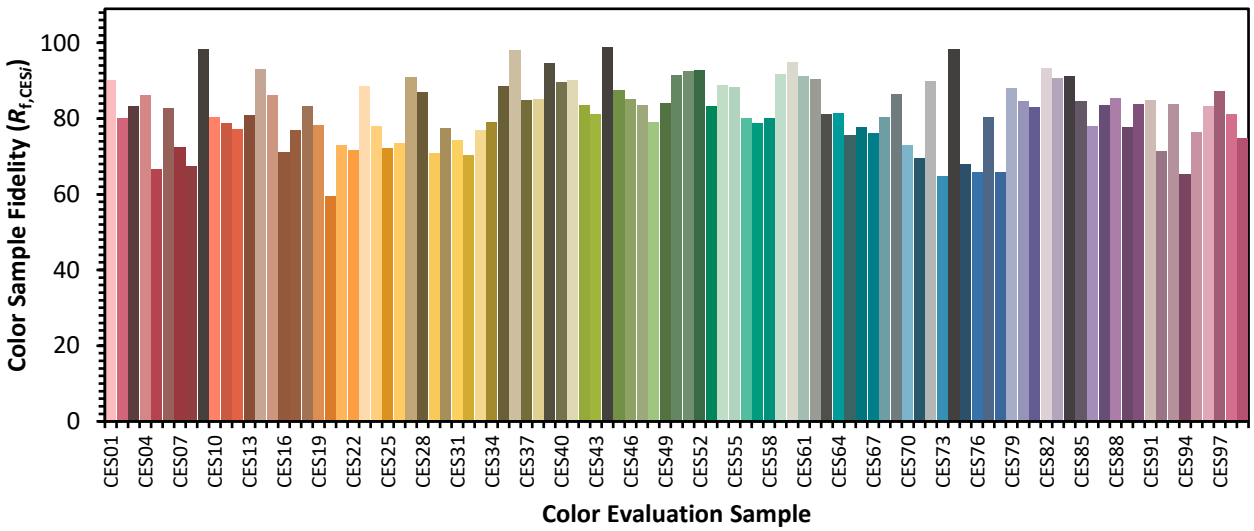


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Individual Sample Fidelity Index ($R_{f,i}$)

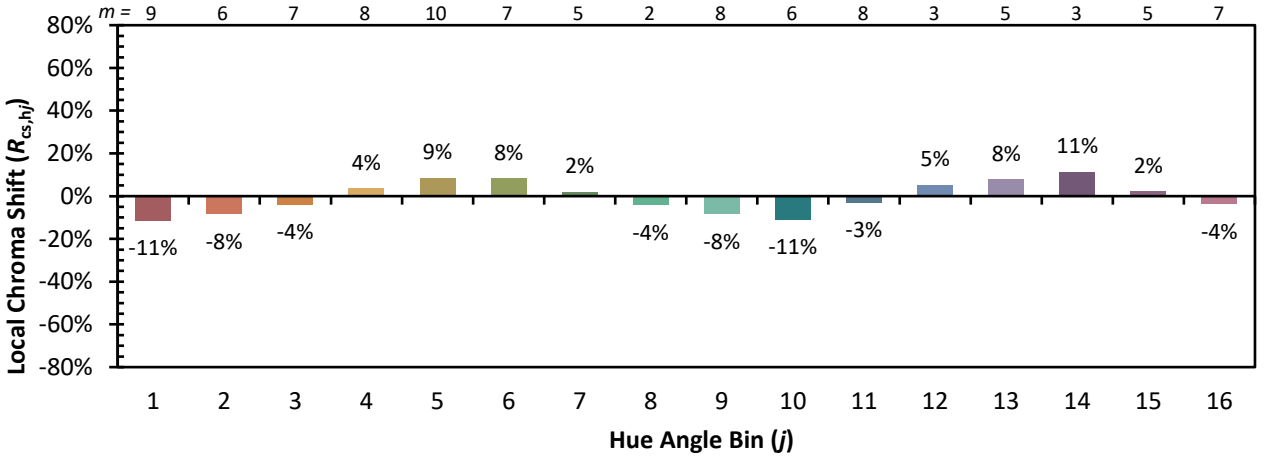
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

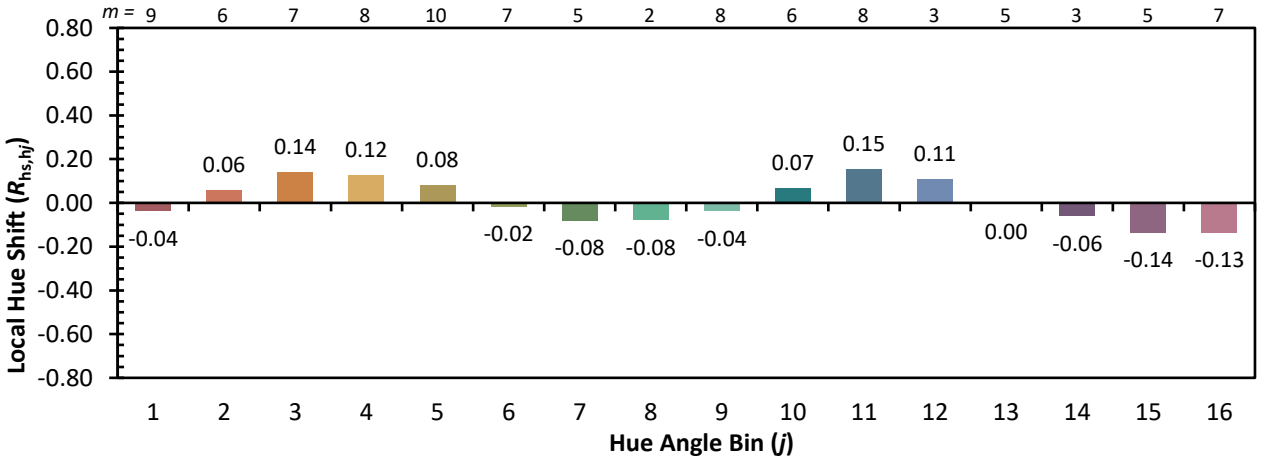


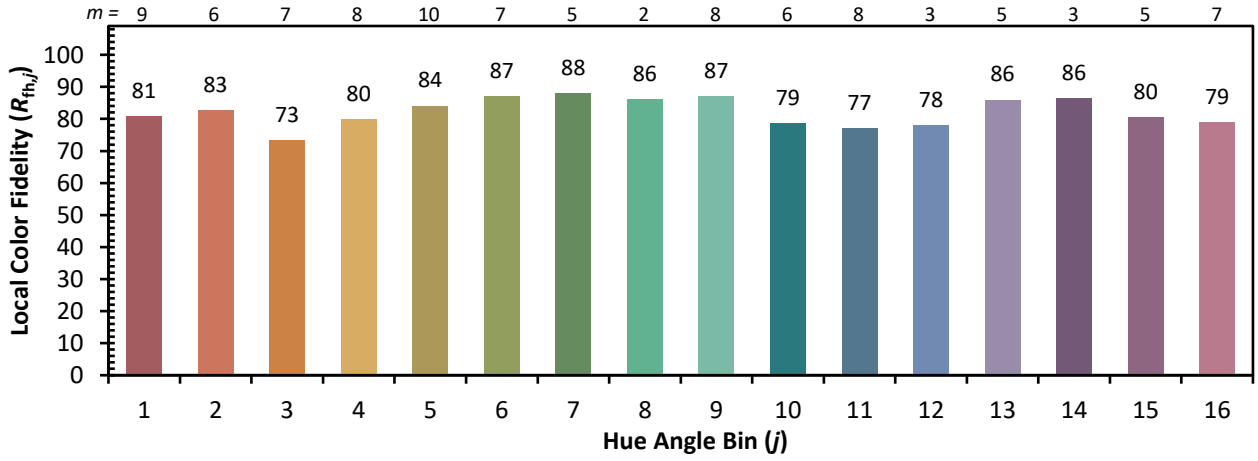
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Color Rendition by Hue-Angle Bin



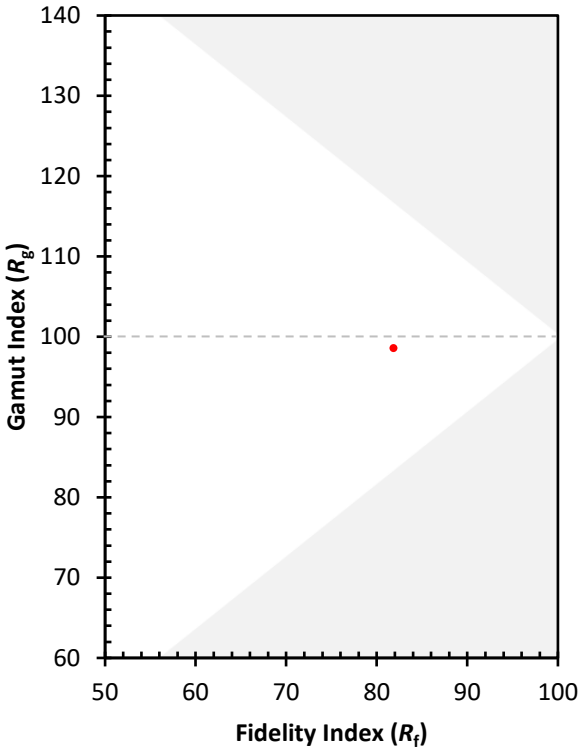


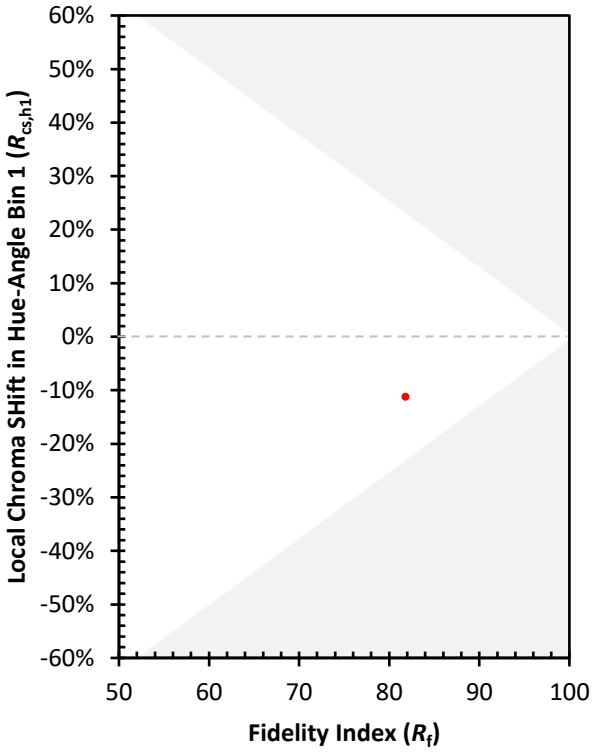


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Measure Comparisons





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