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: P1502729

Luminaire Tested: GSS-SB4A-840-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:	P1502729
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-840-U-T4LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 80CRI 4000K FIXTURE w/ TYPE IV 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:	13427.7 lumens
Efficiency:	N/A
Efficacy:	117.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

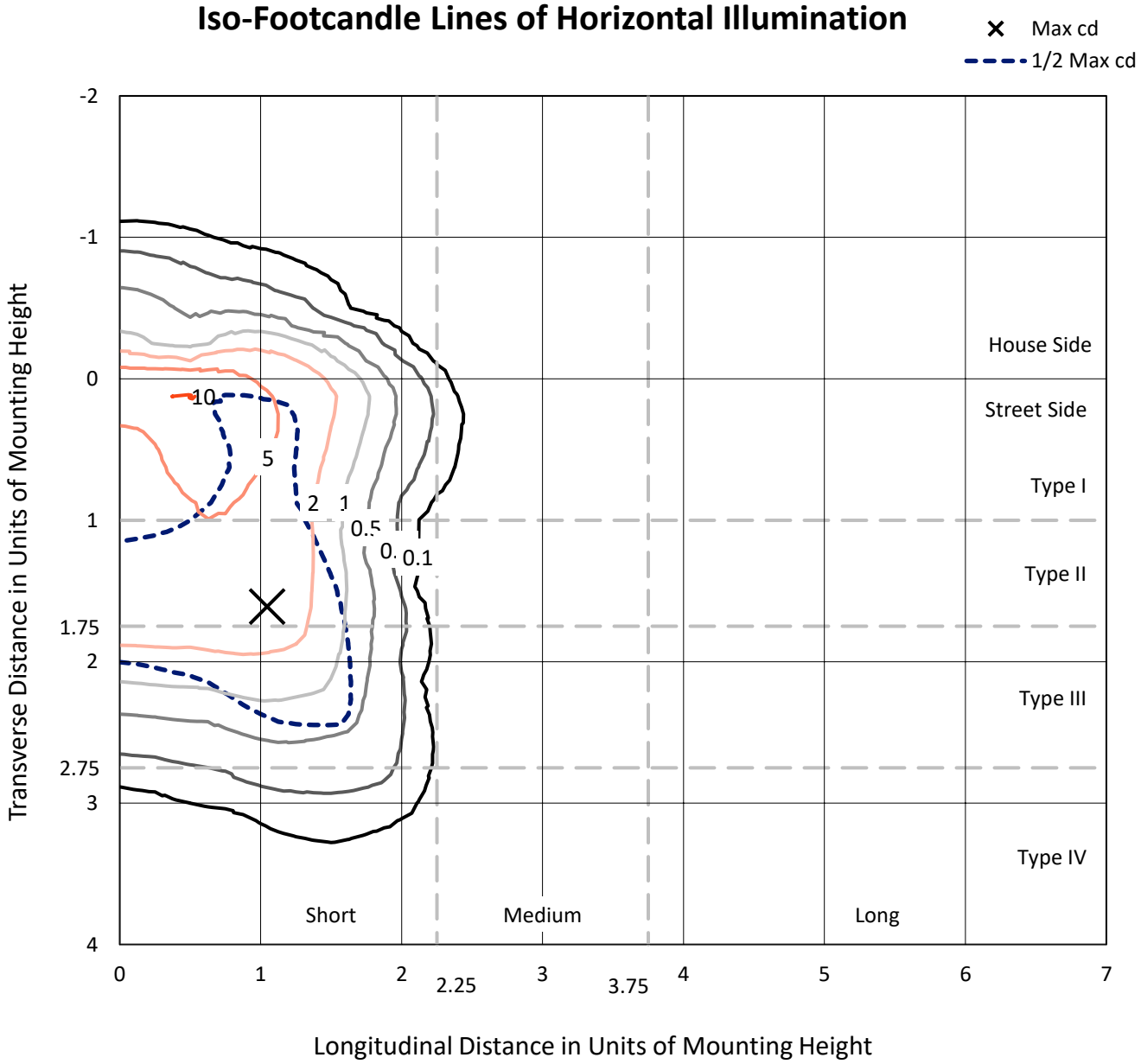
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1502729
CATALOG NUMBER: GSS-SB4A-840-U-T4LG-HSS

Iso-Footcandle Lines of Horizontal Illumination



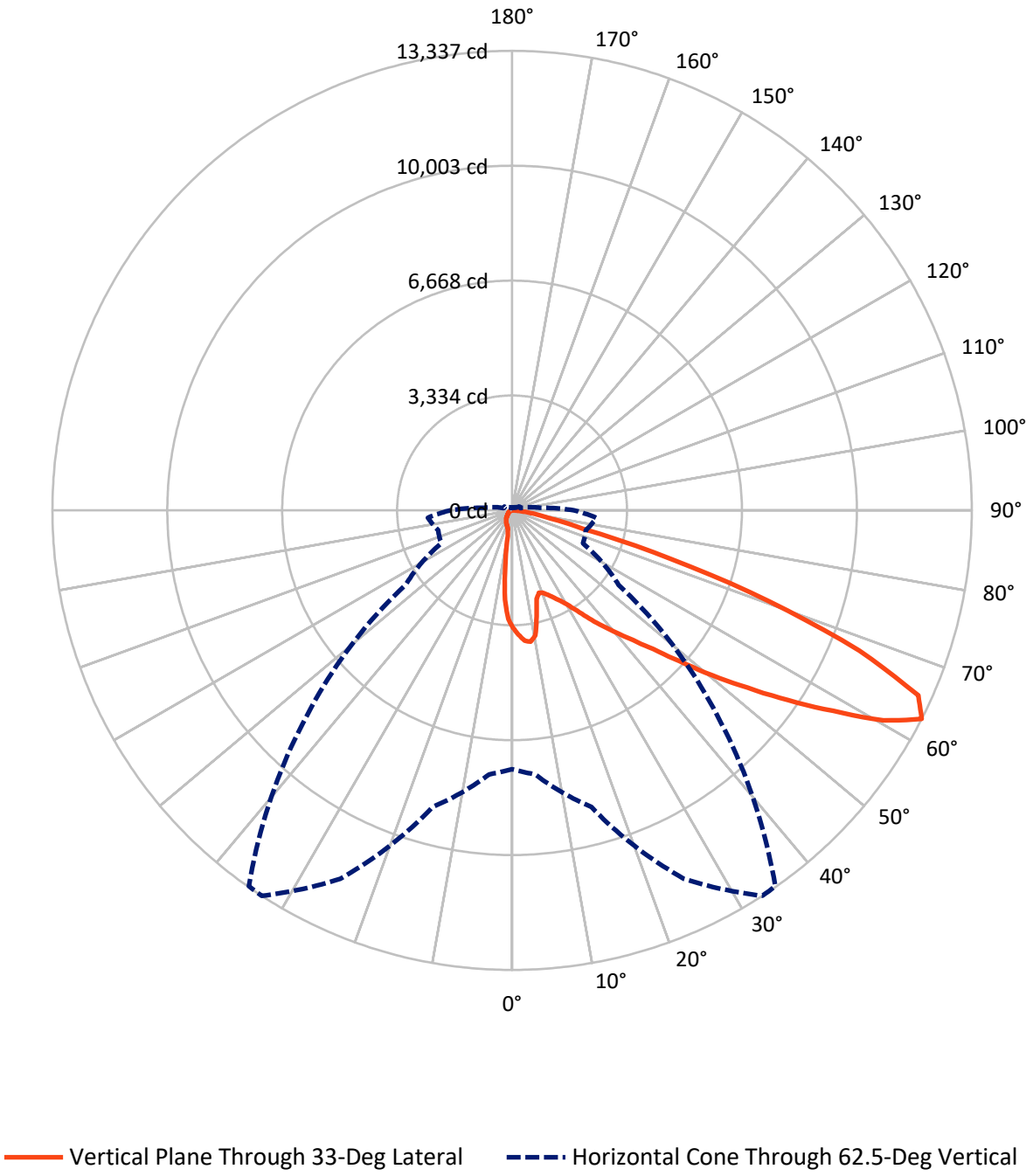
Based on 20 foot mounting height. Maximum calculated value = 10.2 fc
Type III - Short - N/A

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REPORT NUMBER: P1502729
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Luminous Intensity Polar Plot



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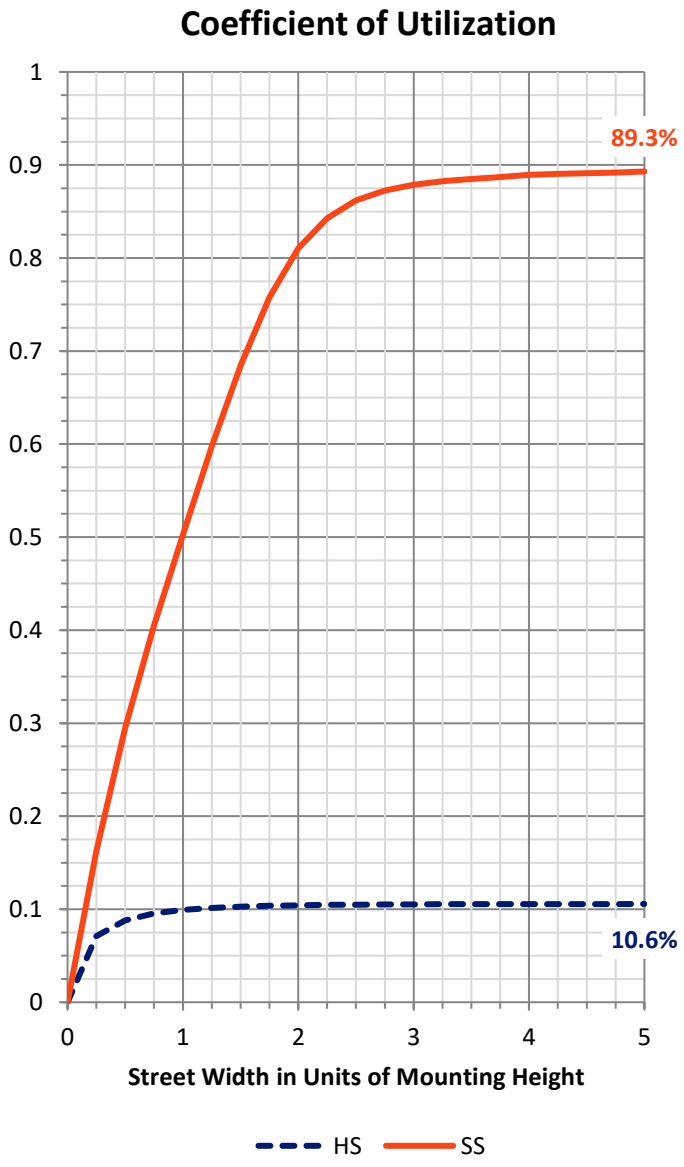
REPORT NUMBER: P1502729
CATALOG NUMBER: GSS-SB4A-840-U-T4LG-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1428.8	0.0	1428.8
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	11998.9	0.0	11998.9
	% Fixture	89.4	0.0	89.4
Total	Lumens	13427.7	0.0	13427.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	2.2
10°-20°	647.1	4.8
20°-30°	1042.9	7.8
30°-40°	1735.0	12.9
40°-50°	2742.2	20.4
50°-60°	3684.1	27.4
60°-70°	2704.5	20.1
70°-80°	535.3	4.0
80°-90°	46.5	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°	13427.7	100.0
0°-180°	13427.7	100.0



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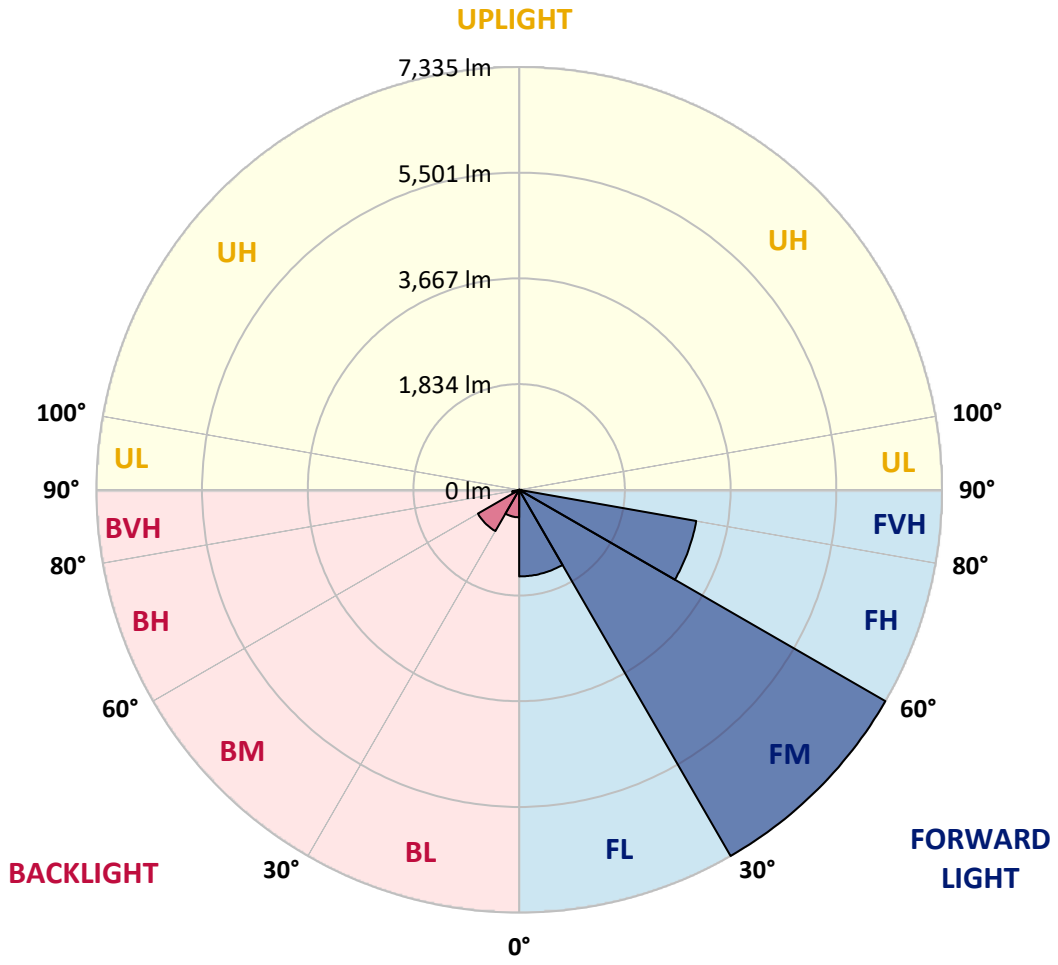
Scaled Data Report

REPORT NUMBER: P1502729
CATALOG NUMBER: GSS-SB4A-840-U-T4LG-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1503.3	11.2			
FM	(30°-60°)	7334.8	54.6			
FH	(60°-80°)	3117.7	23.2			G2/5000
FVH	(80°-90°)	43.0	0.3			G1/100
BL	(0°-30°)	476.7	3.6	B1/500		
BM	(30°-60°)	826.5	6.2	B1/1000		
BH	(60°-80°)	122.1	0.9	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: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	3410.8	3410.8	3410.8	3410.8	*3410.8*	3410.8	3410.8	3410.8	3410.8	3410.8	3410.8
2.5°	3633.9	3649.0	3649.0	3618.8	*3611.2*	3596.1	3580.9	3577.2	3528.0	3490.2	3452.4
5°	3819.2	3815.4	3811.6	3796.5	*3800.3*	3781.3	3770.0	3751.1	3667.9	3611.2	3509.1
7.5°	3739.8	3773.8	3788.9	3830.5	*3849.4*	3845.6	3875.9	3883.4	3811.6	3732.2	3577.2
10°	3221.7	3202.8	3338.9	3516.7	*3694.4*	3736.0	3898.6	3985.5	3959.1	3887.2	3686.8
12.5°	2552.4	2571.3	2665.9	2873.8	*3165.0*	3255.7	3724.6	4068.7	4144.4	4099.0	3838.1
15°	2336.9	2336.9	2386.0	2484.3	*2658.3*	2745.3	3323.8	4057.4	4341.0	4344.8	4027.1
17.5°	2291.5	2299.1	2340.7	2404.9	*2518.4*	2556.2	2960.8	3891.0	4533.8	4601.9	4238.9
20°	2299.1	2310.4	2355.8	2446.5	*2556.2*	2601.6	2866.3	3679.3	4696.4	4881.7	4462.0
22.5°	2325.5	2321.7	2401.2	2522.2	*2662.1*	2703.7	2945.7	3592.3	4832.6	5203.1	4722.9
25°	2355.8	2359.6	2461.7	2631.8	*2802.0*	2851.1	3123.4	3671.7	4930.9	5547.2	4987.6
27.5°	2446.5	2457.9	2582.7	2767.9	*2968.4*	3032.6	3354.1	3879.7	5101.0	5880.0	5275.0
30°	2586.4	2597.8	2741.5	2964.6	*3180.1*	3278.4	3641.4	4140.6	5354.4	6265.7	5569.9
32.5°	2749.0	2764.2	2949.5	3206.6	*3467.5*	3562.0	3970.4	4537.6	5690.9	6659.0	5876.2
35°	2953.2	2994.8	3195.2	3501.5	*3853.2*	3943.9	4375.0	4987.6	6129.6	7010.6	6137.1
37.5°	3233.1	3267.1	3512.9	3894.8	*4250.2*	4371.2	4828.8	5460.3	6526.6	7324.5	6348.9
40°	3573.4	3603.6	3879.7	4295.6	*4666.2*	4768.3	5305.2	5936.7	6953.9	7498.4	6394.3
42.5°	4140.6	4223.8	4397.7	4749.4	*5146.4*	5275.0	5834.6	6398.0	7264.0	7532.4	6322.4
45°	5131.3	5157.8	5195.6	5362.0	*5743.9*	5857.3	6394.3	6798.9	7449.3	7540.0	6258.1
47.5°	6080.4	6171.2	6224.1	6299.7	*6530.4*	6572.0	6980.4	7158.1	7596.7	7513.5	6258.1
50°	7029.5	7097.6	7188.3	7279.1	*7524.9*	7540.0	7600.5	7400.1	7604.3	7298.0	6220.3
52.5°	7891.7	7914.4	8069.4	8243.3	*8549.6*	8632.8	8175.3	7577.8	7146.8	6617.4	6042.6
55°	8663.1	8693.3	8927.8	9283.2	*9721.9*	9831.5	8878.6	7233.7	6167.4	5736.3	5630.4
57.5°	9162.2	9234.1	9702.9	10485.7	*10981.0*	10931.9	9423.1	6428.3	4953.6	4692.7	4900.6
60°	8912.6	9011.0	9997.9	11495.3	*12376.4*	12232.7	9271.9	5290.1	3660.3	3471.3	3879.7
62.5°	*7509.8*	*7691.3*	*8912.6*	*11794.0*	*13336.8*	*13314.1*	*8417.3*	*3773.8*	*2268.8*	*2219.7*	*2450.3*
65°	5222.0	5535.9	6984.2	10795.8	*12951.1*	12985.2	7086.2	2197.0	1051.2	1304.6	1433.1
67.5°	3078.0	3301.1	4499.8	8814.3	*10867.6*	10553.7	4817.4	1017.2	525.6	794.1	760.1
70°	1353.7	1505.0	2578.9	6106.9	*7918.1*	7411.4	2352.0	495.4	400.8	480.2	419.7
72.5°	744.9	813.0	1357.5	3225.5	*4817.4*	4579.2	794.1	329.0	344.1	359.2	302.5
75°	415.9	446.2	714.7	1864.2	*2117.6*	1970.1	385.7	215.5	291.2	291.2	223.1
77.5°	242.0	268.5	446.2	1160.9	*1160.9*	937.8	234.4	136.1	219.3	196.6	121.0
80°	113.4	128.6	245.8	642.8	*733.6*	605.0	132.3	94.5	143.7	124.8	79.4
82.5°	34.0	41.6	121.0	249.6	*415.9*	355.4	68.1	60.5	105.9	79.4	45.4
85°	22.7	26.5	60.5	102.1	*204.2*	177.7	22.7	18.9	45.4	37.8	18.9
87.5°	3.8	3.8	7.6	7.6	*7.6*	7.6	3.8	3.8	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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CATALOG NUMBER: GSS-SB4A-840-U-T4LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3410.8	3410.8	3410.8	3410.8	3410.8	3410.8	3410.8	3410.8	3410.8	3410.8	3410.8
2.5°	3429.7	3403.2	3342.7	3286.0	3255.7	3187.7	3161.2	3131.0	3115.8	3112.1	3089.4
5°	3444.8	3395.7	3244.4	3093.1	2934.3	2783.1	2628.0	2491.9	2382.3	2386.0	2389.8
7.5°	3490.2	3391.9	3127.2	2824.7	2484.3	2091.1	1671.4	1357.5	1157.1	1115.5	1077.7
10°	3550.7	3407.0	2983.5	2423.8	1754.5	1104.2	779.0	665.5	616.4	605.0	608.8
12.5°	3664.1	3444.8	2802.0	1871.8	971.8	635.3	563.4	544.5	537.0	537.0	537.0
15°	3804.0	3497.7	2518.4	1225.2	635.3	529.4	514.3	510.5	502.9	502.9	506.7
17.5°	3921.3	3497.7	2144.0	797.9	521.8	491.6	480.2	476.5	476.5	480.2	476.5
20°	4049.8	3471.3	1724.3	601.2	484.0	457.5	450.0	450.0	450.0	453.8	453.8
22.5°	4182.2	3425.9	1334.8	514.3	450.0	427.3	423.5	427.3	431.1	434.9	434.9
25°	4329.6	3369.2	1055.0	476.5	419.7	400.8	400.8	400.8	404.6	412.2	415.9
27.5°	4492.2	3320.0	903.7	453.8	393.3	374.4	374.4	378.1	385.7	389.5	393.3
30°	4643.5	3320.0	854.6	465.1	381.9	359.2	351.7	355.4	363.0	370.6	370.6
32.5°	4832.6	3357.8	881.1	514.3	378.1	336.5	329.0	329.0	336.5	340.3	340.3
35°	4991.4	3429.7	971.8	582.3	393.3	317.6	302.5	298.7	306.3	302.5	306.3
37.5°	5119.9	3528.0	1138.2	673.1	423.5	294.9	276.0	264.7	264.7	264.7	264.7
40°	5157.8	3626.3	1349.9	733.6	419.7	268.5	242.0	230.7	226.9	223.1	223.1
42.5°	5104.8	3671.7	1520.1	729.8	374.4	249.6	215.5	200.4	189.1	185.3	185.3
45°	5063.2	3694.4	1580.6	635.3	340.3	226.9	192.8	173.9	162.6	158.8	155.0
47.5°	5067.0	3717.1	1489.9	518.0	310.1	208.0	173.9	155.0	143.7	139.9	136.1
50°	5082.1	3679.3	1263.0	431.1	283.6	189.1	155.0	139.9	128.6	124.8	121.0
52.5°	4923.3	3478.8	888.6	378.1	260.9	177.7	139.9	128.6	117.2	113.4	113.4
55°	4507.4	2998.6	601.2	336.5	242.0	162.6	128.6	121.0	109.7	102.1	102.1
57.5°	3841.9	2261.2	415.9	306.3	211.8	147.5	121.0	109.7	98.3	90.8	90.8
60°	2938.1	1474.7	302.5	279.8	173.9	136.1	113.4	105.9	90.8	83.2	79.4
62.5°	*1788.6*	*828.1*	*245.8*	*245.8*	*147.5*	*128.6*	*102.1*	*94.5*	*79.4*	*68.1*	*64.3*
65°	1036.1	487.8	200.4	208.0	128.6	117.2	90.8	79.4	64.3	52.9	49.2
67.5°	499.1	283.6	158.8	147.5	113.4	98.3	79.4	68.1	56.7	45.4	41.6
70°	306.3	219.3	121.0	105.9	90.8	75.6	64.3	60.5	49.2	37.8	37.8
72.5°	249.6	177.7	94.5	75.6	68.1	52.9	52.9	49.2	37.8	30.3	26.5
75°	196.6	132.3	71.8	52.9	41.6	41.6	37.8	34.0	30.3	22.7	22.7
77.5°	105.9	90.8	52.9	30.3	22.7	26.5	26.5	22.7	18.9	15.1	15.1
80°	68.1	52.9	30.3	15.1	15.1	15.1	15.1	11.3	11.3	7.6	7.6
82.5°	34.0	26.5	15.1	3.8	7.6	7.6	7.6	7.6	7.6	3.8	3.8
85°	7.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8
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

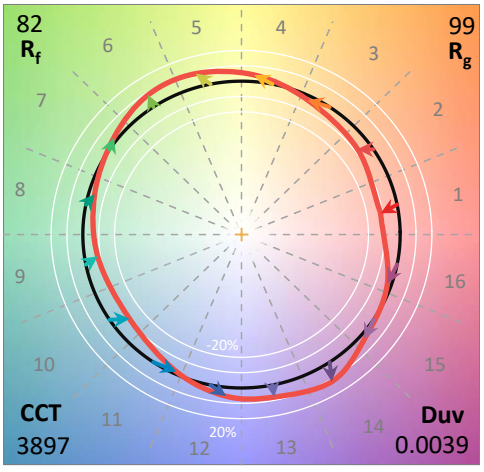
Test Information

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

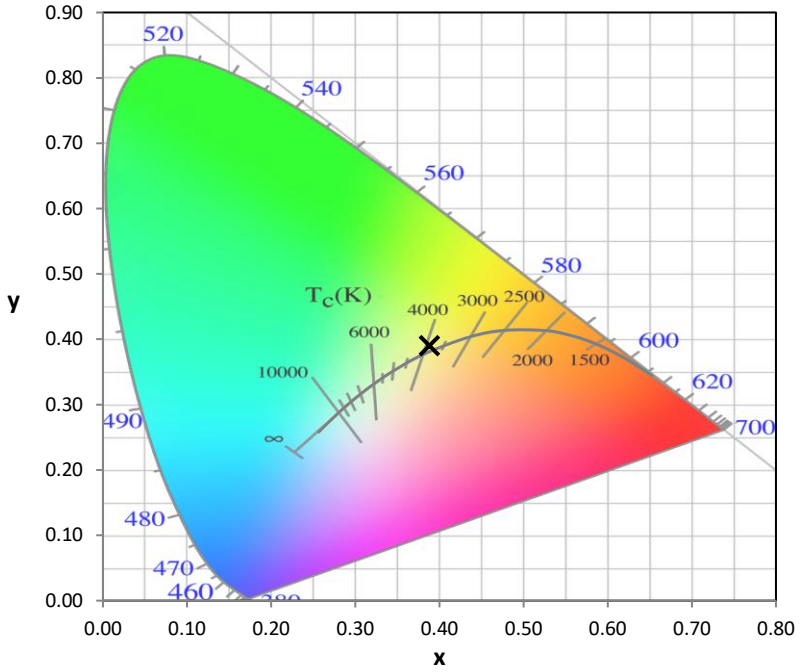
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

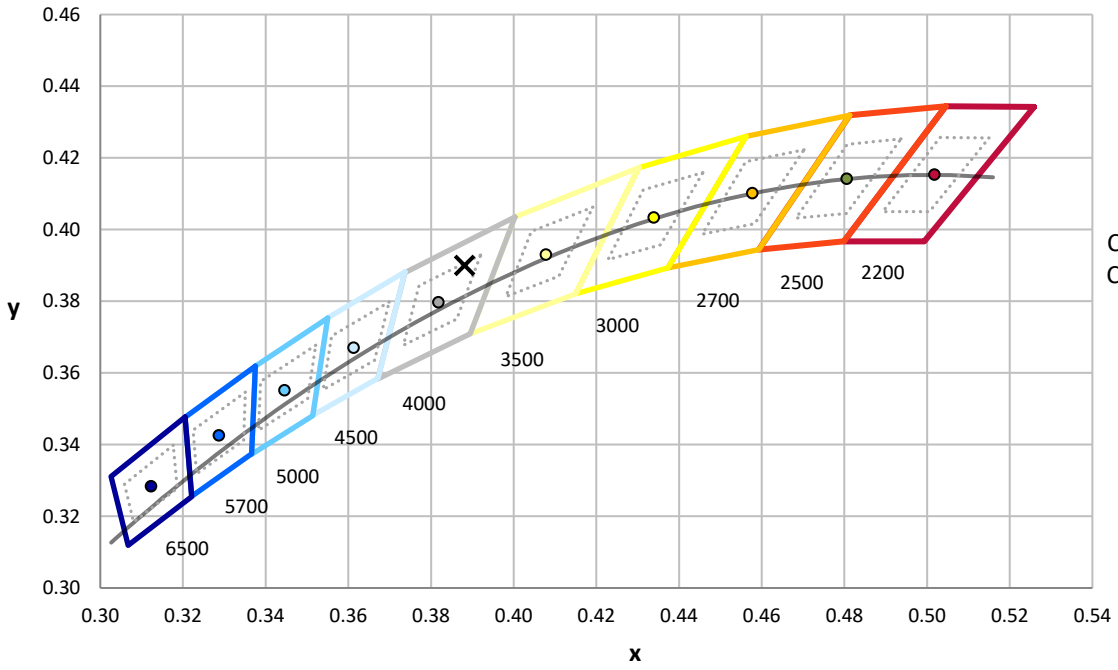
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

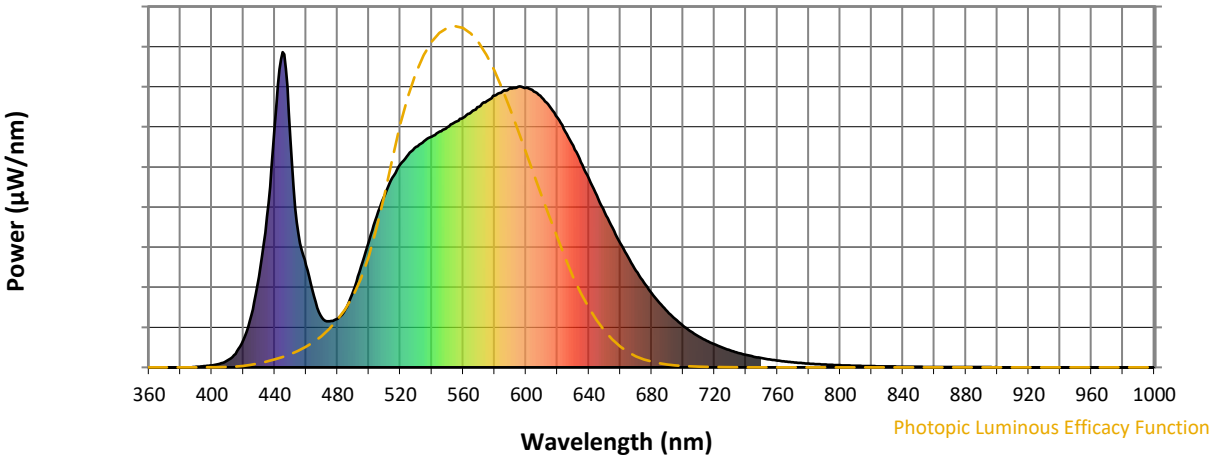


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

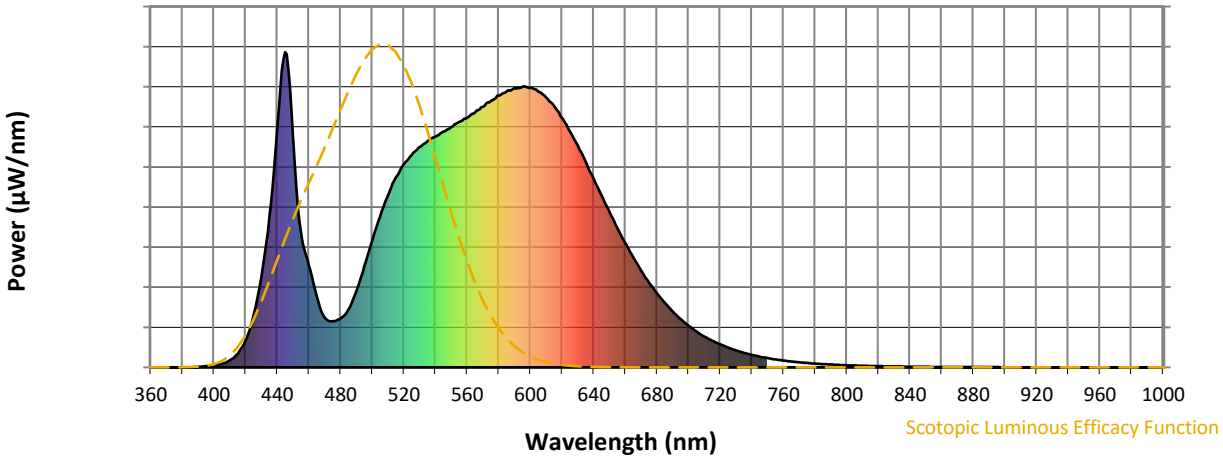


Photopic Lumens: NR

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

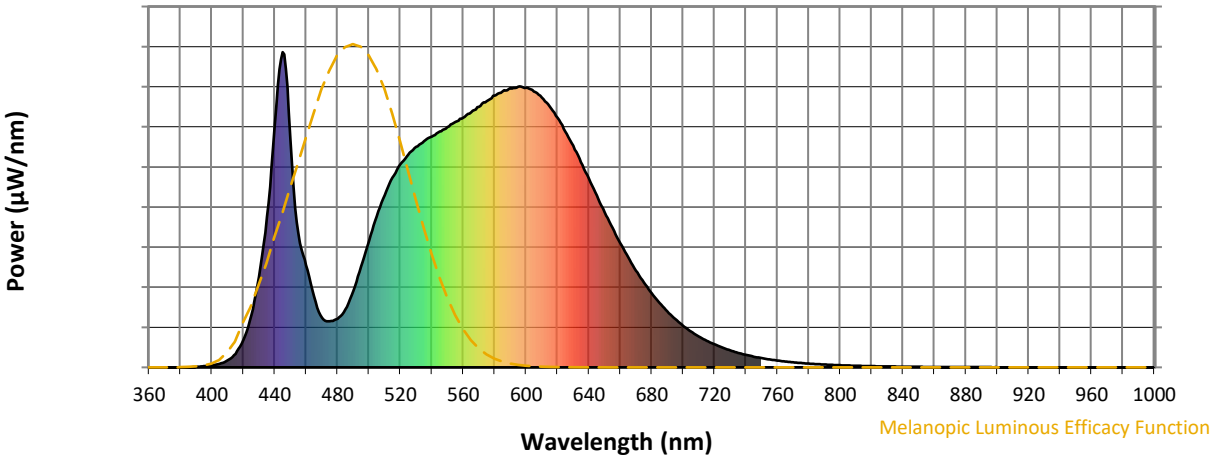


Scotopic Lumens: NR **S/P: 1.57**

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			

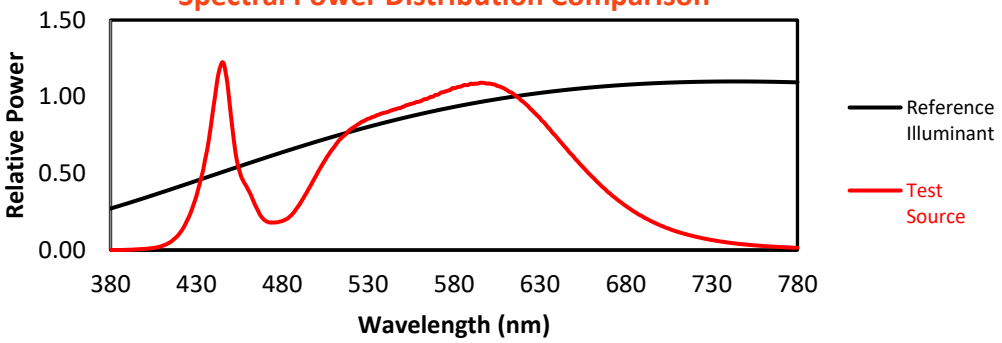
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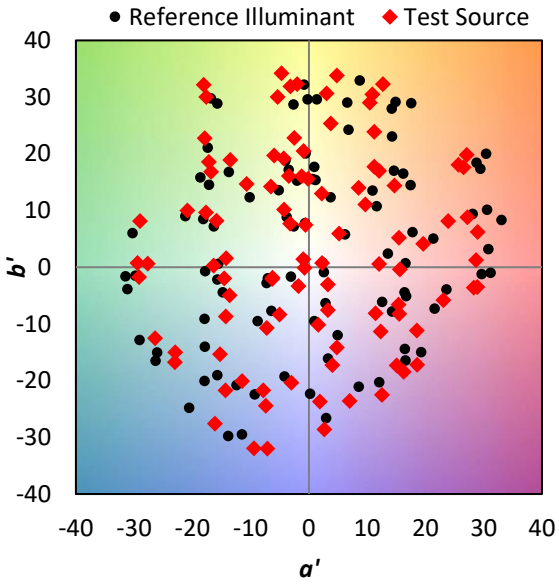
Summary

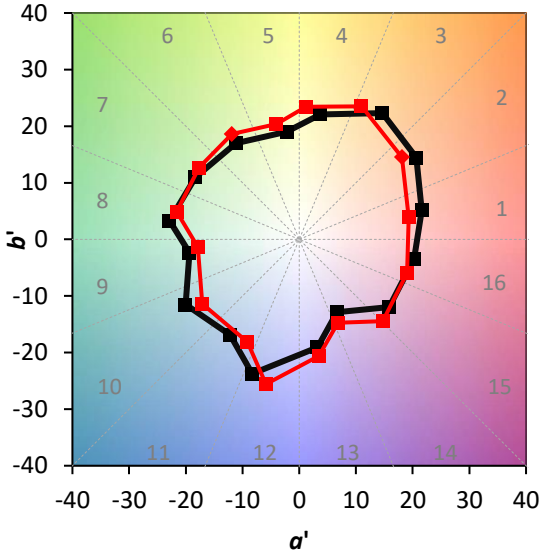
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

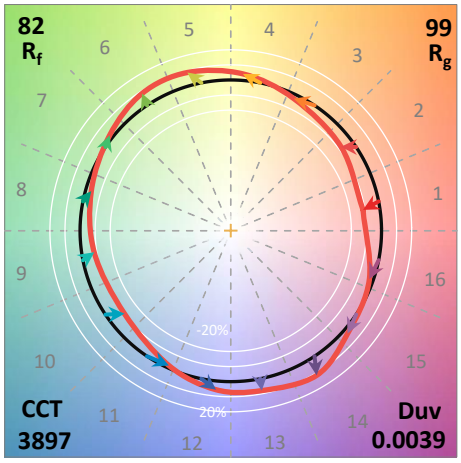
Spectral Power Distribution Comparison

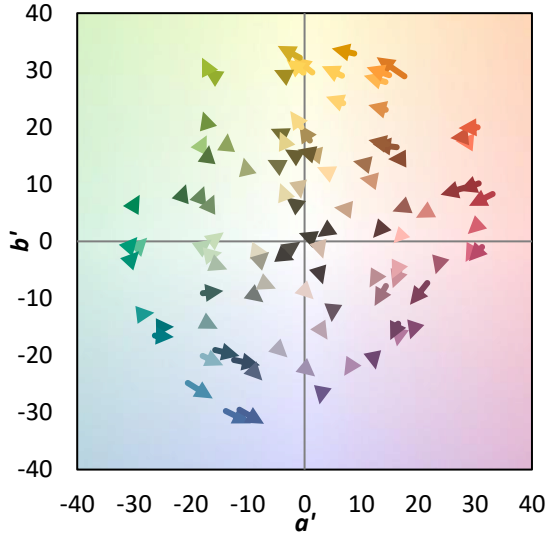


Color Vector Graphics







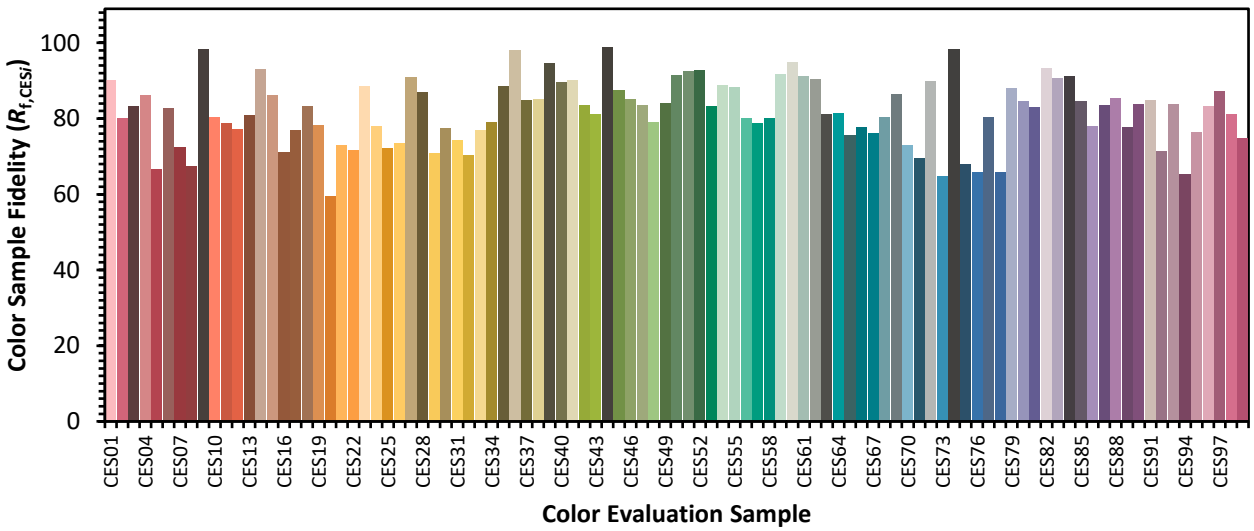


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Individual Sample Fidelity Index ($R_{f,i}$)

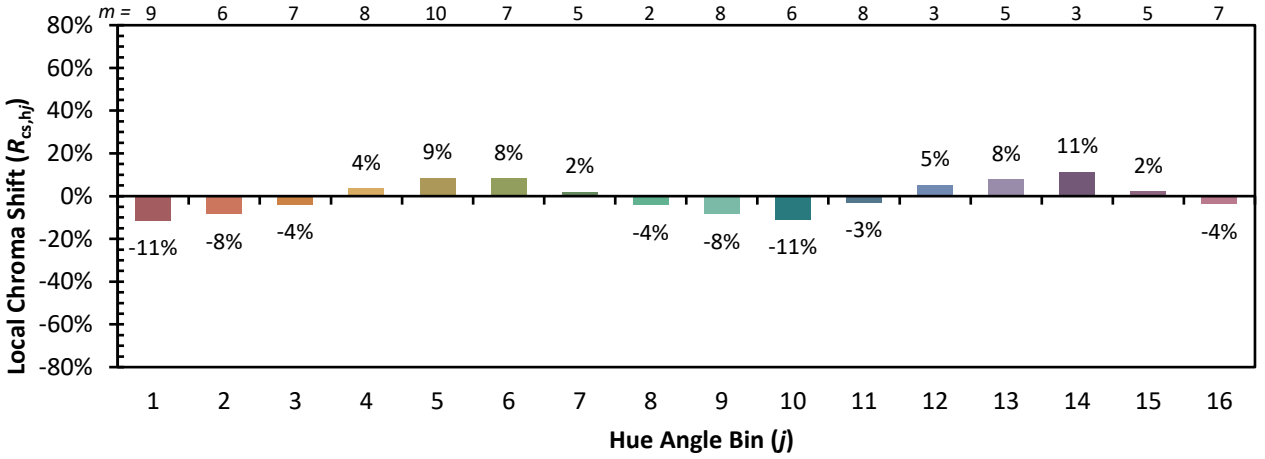
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 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	

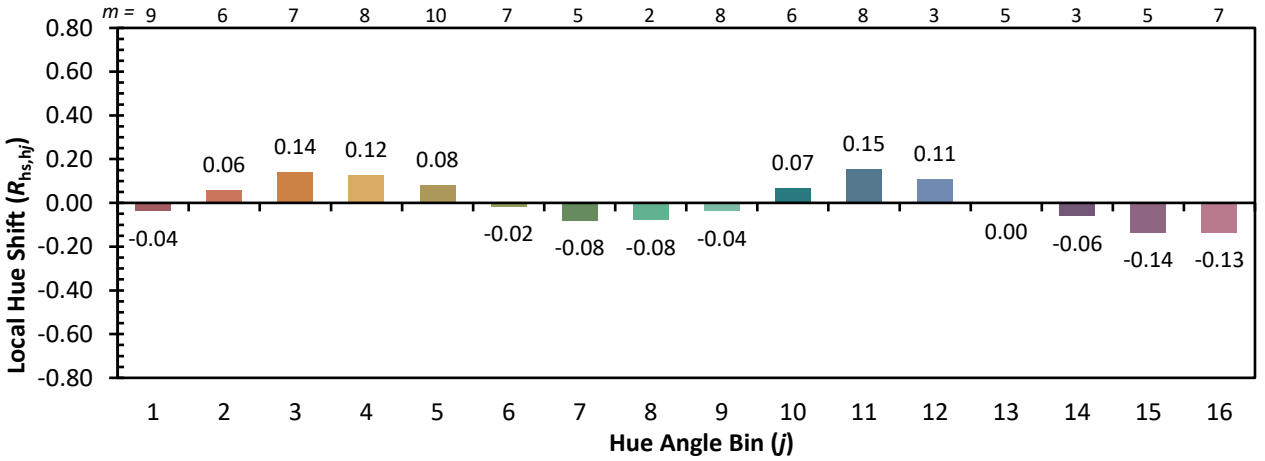


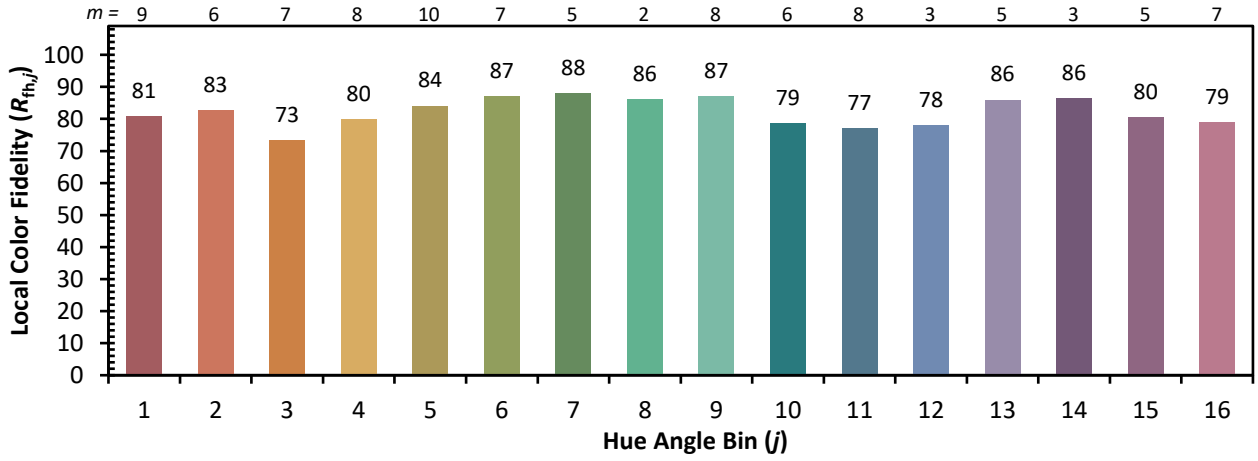
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Color Rendition by Hue-Angle Bin



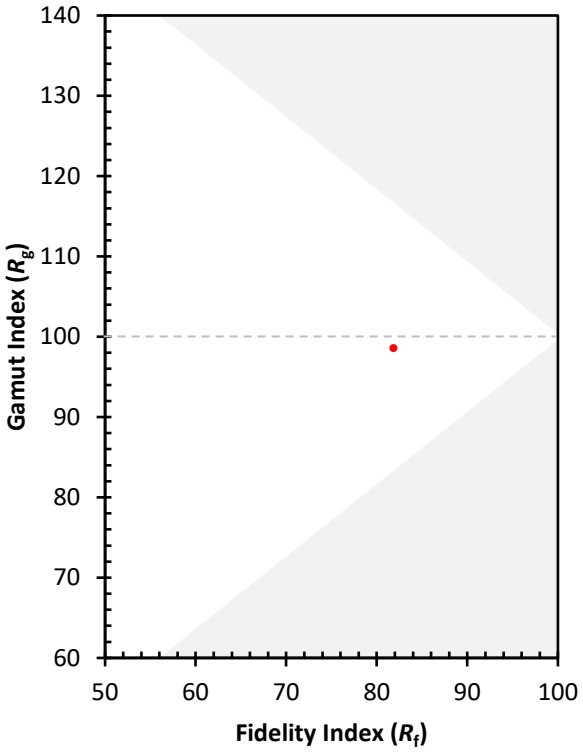


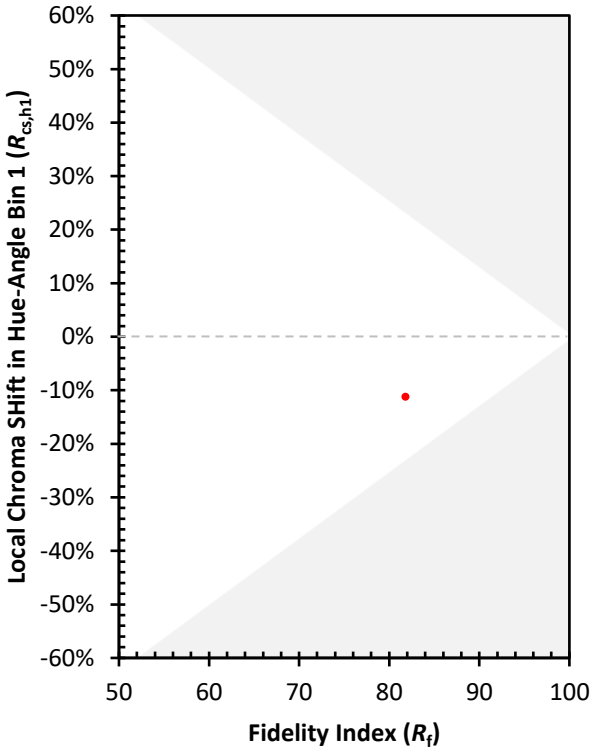


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Measure Comparisons





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