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: P1500805

Luminaire Tested: GSS-SB3A-840-U-T4LG

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:	P1500805
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-840-U-T4LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 80CRI 4000K FIXTURE w/ TYPE IV LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12012 lumens
Efficiency:	N/A
Efficacy:	141.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

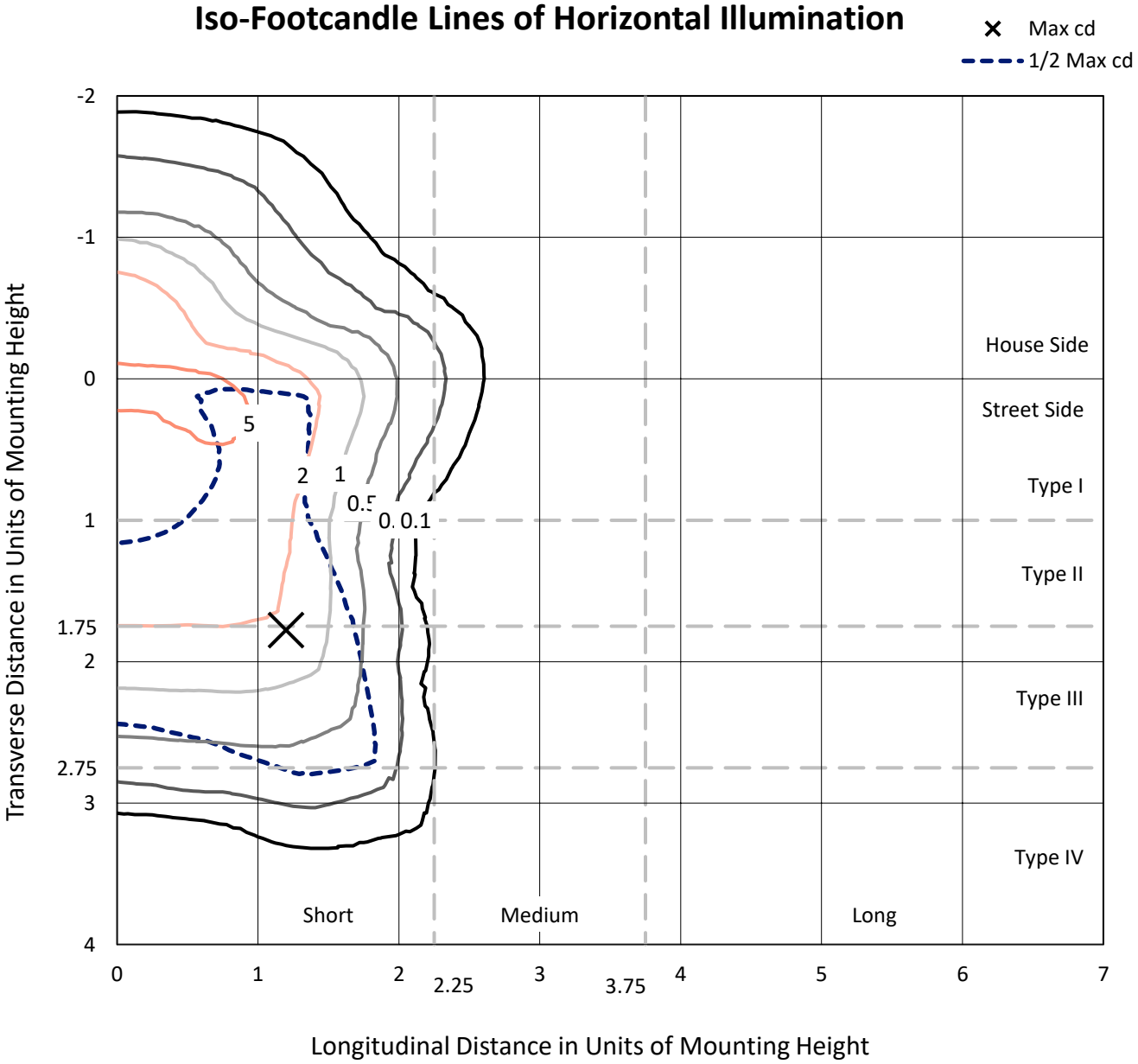
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Scaled Data Report

REPORT NUMBER: P1500805
CATALOG NUMBER: GSS-SB3A-840-U-T4LG

Iso-Footcandle Lines of Horizontal Illumination



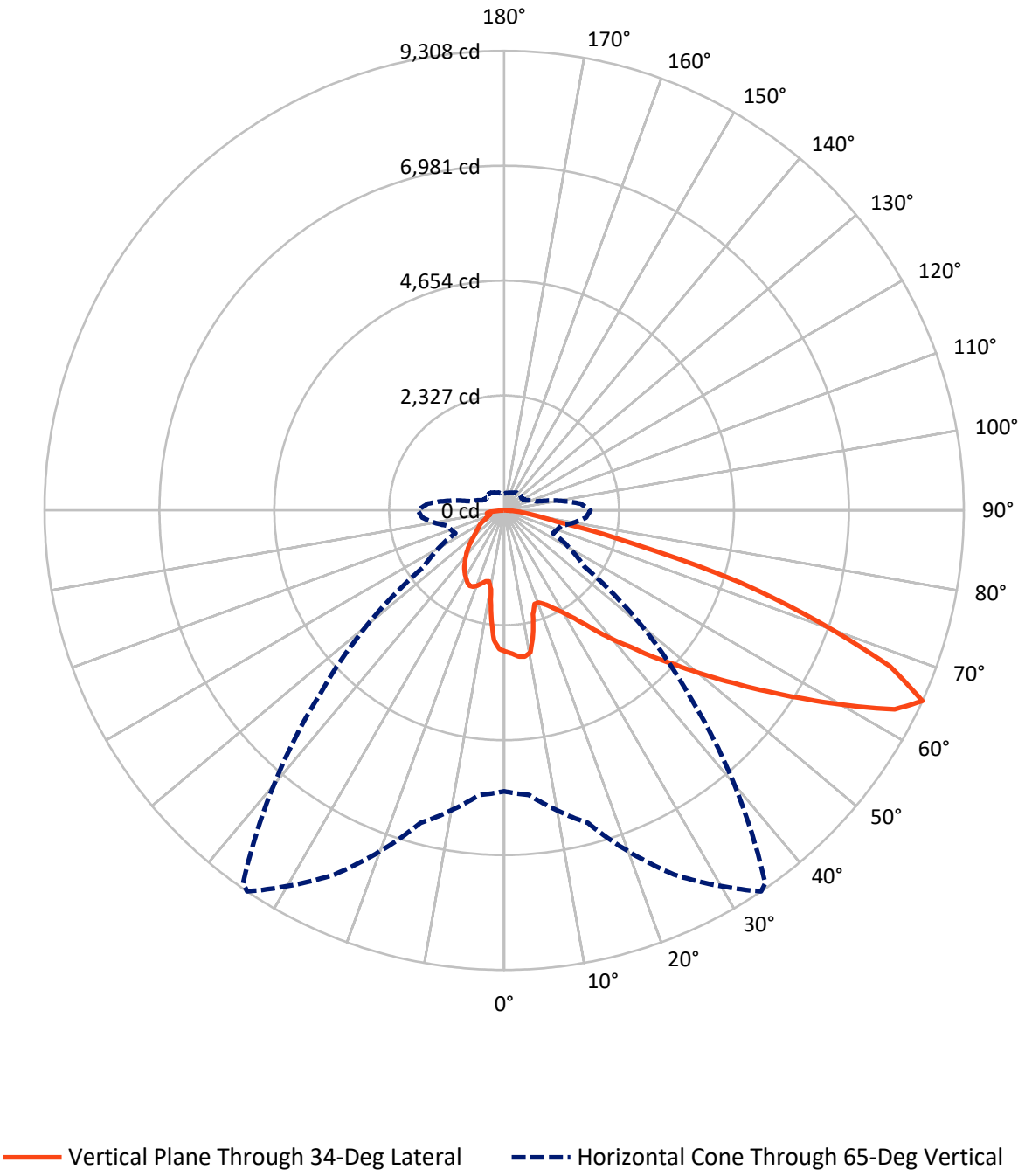
Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
Type III - Short - N/A

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REPORT NUMBER: P1500805
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Luminous Intensity Polar Plot



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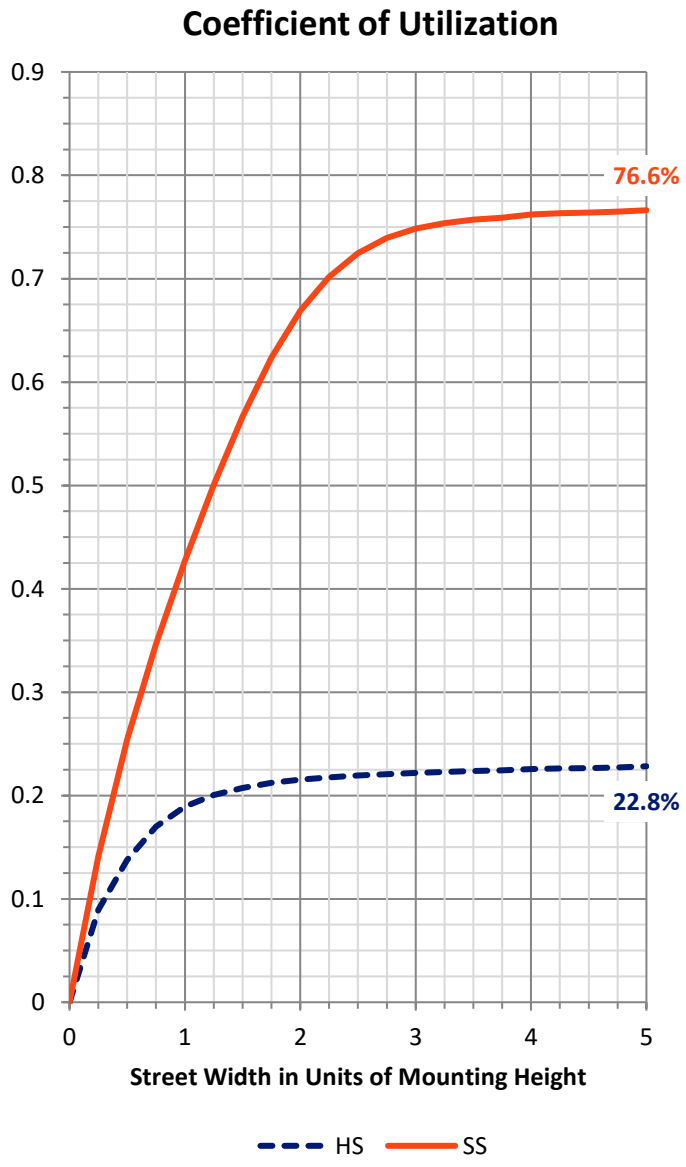
REPORT NUMBER: P1500805
CATALOG NUMBER: GSS-SB3A-840-U-T4LG

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2794.7	0.0	2794.7
	% Fixture	23.3	0.0	23.3
Street Side	Lumens	9217.3	0.0	9217.3
	% Fixture	76.7	0.0	76.7
Total	Lumens	12012.0	0.0	12012.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.5	2.1
10°-20°	648.0	5.4
20°-30°	1074.1	8.9
30°-40°	1615.4	13.4
40°-50°	2263.2	18.8
50°-60°	2853.5	23.8
60°-70°	2454.2	20.4
70°-80°	729.6	6.1
80°-90°	116.4	1.0
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°	12012.0	100.0
0°-180°	12012.0	100.0



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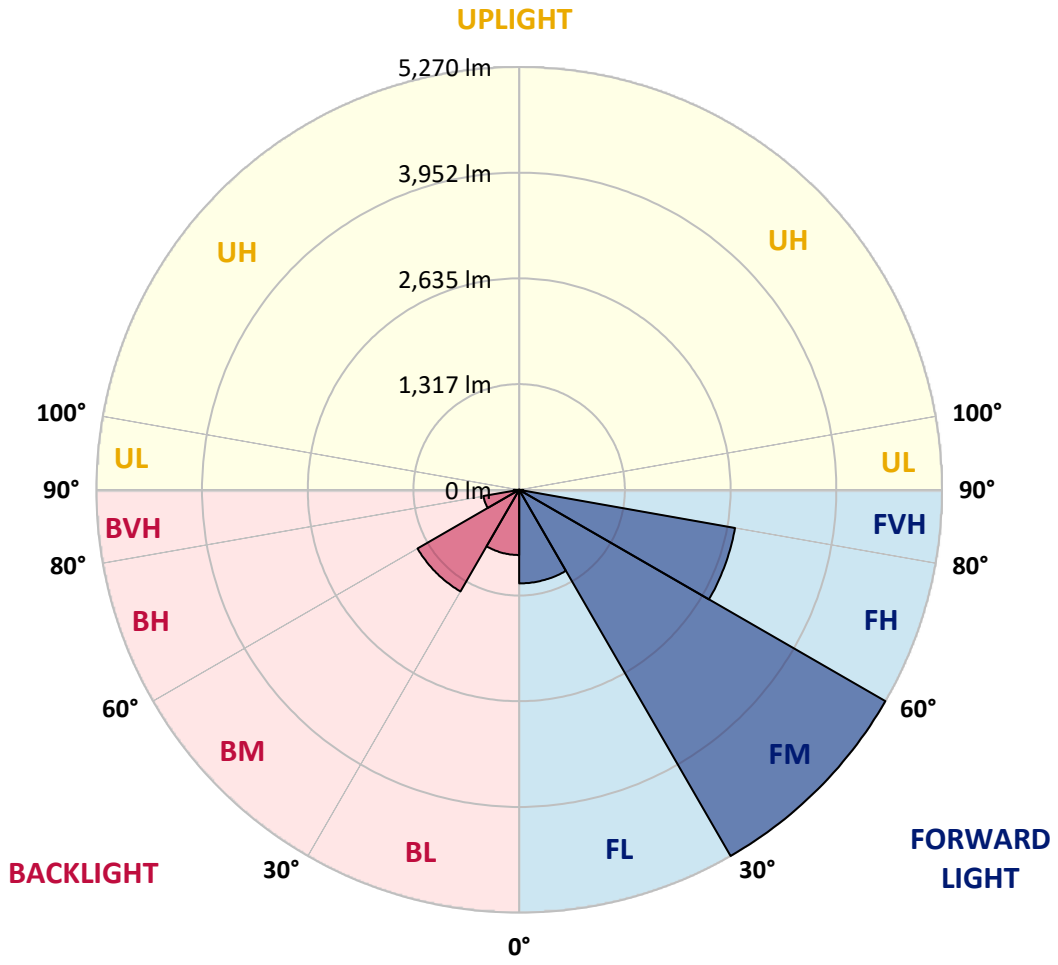
Scaled Data Report

REPORT NUMBER: P1500805
CATALOG NUMBER: GSS-SB3A-840-U-T4LG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1166.5	9.7			
FM	(30°-60°)	5270.0	43.9			
FH	(60°-80°)	2731.6	22.7			G2/5000
FVH	(80°-90°)	49.3	0.4			G1/100
BL	(0°-30°)	813.1	6.8	B2/1000		
BM	(30°-60°)	1462.1	12.2	B2/2500		
BH	(60°-80°)	452.3	3.8	B1/500		G1/500
BVH	(80°-90°)	67.2	0.6			G1/100
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°	34°	35°	45°	55°	65°	75°	85°
0°	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9
2.5°	2910.3	2926.6	2907.6	2899.4	2902.1	2904.8	2891.2	2894.0	2877.6	2877.6	2864.0
5°	2972.8	2975.6	2964.7	2972.8	2970.1	2967.4	2967.4	2964.7	2929.3	2921.2	2907.6
7.5°	2937.5	2948.4	2953.8	2983.7	2991.9	3008.2	3019.1	3024.5	2997.3	2975.6	2940.2
10°	2613.8	2622.0	2684.5	2820.5	2923.9	2942.9	3043.6	3100.7	3081.6	3070.8	3010.9
12.5°	2088.9	2102.5	2173.2	2350.0	2592.1	2643.7	2964.7	3157.8	3201.3	3204.0	3117.0
15°	1863.1	1863.1	1884.9	1985.5	2181.4	2222.2	2695.4	3174.1	3329.2	3348.2	3242.1
17.5°	1816.9	1814.2	1827.8	1887.6	1991.0	2015.4	2385.3	3089.8	3481.5	3514.1	3378.1
20°	1814.2	1806.0	1833.2	1901.2	1991.0	2012.7	2241.2	2942.9	3601.1	3704.5	3514.1
22.5°	1816.9	1816.9	1855.0	1952.9	2056.2	2075.3	2268.4	2820.5	3699.1	3903.0	3658.3
25°	1846.8	1841.4	1895.8	2015.4	2156.9	2170.5	2379.9	2815.1	3783.4	4126.1	3832.3
27.5°	1895.8	1898.5	1971.9	2116.1	2276.6	2303.8	2534.9	2932.0	3886.7	4370.9	4001.0
30°	1999.1	2001.8	2088.9	2235.8	2420.7	2456.1	2714.5	3106.1	4033.6	4634.7	4183.2
32.5°	2116.1	2129.7	2235.8	2407.1	2605.7	2624.7	2934.8	3367.2	4253.9	4898.5	4379.0
35°	2311.9	2325.5	2445.2	2624.7	2845.0	2872.2	3204.0	3669.1	4523.2	5165.1	4531.3
37.5°	2564.9	2575.7	2692.7	2910.3	3144.2	3171.4	3503.2	3990.1	4795.2	5377.2	4667.3
40°	2866.8	2891.2	3016.4	3228.5	3465.1	3481.5	3829.6	4300.2	5088.9	5524.1	4721.7
42.5°	3195.9	3220.4	3348.2	3582.1	3799.7	3848.7	4183.2	4629.3	5328.3	5589.4	4678.2
45°	3617.5	3612.0	3731.7	3976.5	4232.2	4251.2	4561.3	4901.2	5472.4	5535.0	4634.7
47.5°	4128.8	4134.2	4210.4	4408.9	4672.8	4716.3	4955.6	5135.2	5556.7	5491.5	4585.7
50°	4705.4	4719.0	4784.3	4928.4	5211.3	5241.2	5312.0	5298.4	5608.4	5399.0	4604.8
52.5°	5282.0	5290.2	5377.2	5529.5	5804.3	5826.0	5671.0	5423.5	5415.3	5026.4	4564.0
55°	5755.3	5752.6	5907.6	6141.5	6476.1	6462.5	6024.6	5328.3	4811.5	4447.0	4381.7
57.5°	6166.0	6182.3	6383.6	6788.9	7210.4	7199.6	6402.6	4825.1	3930.2	3761.6	4085.3
60°	6535.9	6574.0	6952.0	7558.6	8023.7	7958.4	6470.6	4066.2	3057.2	2945.6	3497.8
62.5°	6375.4	6446.1	7052.7	8235.8	8875.0	8730.9	6051.8	3149.6	2069.8	1969.2	2472.4
65°	5690.0	5785.2	6554.9	8137.9	9307.5	9217.7	5290.2	1980.1	1090.7	1196.8	1664.6
67.5°	4778.9	4893.1	5725.4	7311.1	8420.8	8227.7	4109.8	1041.7	508.6	788.8	1033.6
70°	2619.3	2902.1	4139.7	6217.7	6745.3	6476.1	2377.2	492.3	369.9	492.3	617.4
72.5°	984.6	1052.6	1795.1	4180.5	4996.4	4664.6	903.0	318.2	310.1	364.5	446.1
75°	473.3	505.9	780.6	1901.2	2728.1	2543.1	443.3	236.6	266.5	285.6	323.7
77.5°	282.9	304.6	486.9	1104.3	1074.4	987.3	272.0	182.2	214.9	204.0	190.4
80°	168.6	187.7	296.5	628.3	647.3	573.9	165.9	127.8	149.6	130.6	117.0
82.5°	97.9	106.1	155.0	282.9	410.7	378.1	95.2	76.2	108.8	87.0	65.3
85°	49.0	51.7	70.7	122.4	204.0	155.0	40.8	35.4	51.7	38.1	21.8
87.5°	10.9	10.9	10.9	13.6	19.0	19.0	5.4	2.7	2.7	2.7	2.7
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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Scaled Data Report

REPORT NUMBER: P1500805
CATALOG NUMBER: GSS-SB3A-840-U-T4LG

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9	2855.9
2.5°	2861.3	2866.8	2847.7	2826.0	2820.5	2804.2	2809.7	2798.8	2782.5	2785.2	2787.9
5°	2888.5	2877.6	2839.6	2790.6	2747.1	2698.1	2641.0	2575.7	2529.5	2510.5	2526.8
7.5°	2913.0	2902.1	2836.8	2728.1	2581.2	2377.2	2165.0	1971.9	1838.6	1789.7	1800.6
10°	2981.0	2937.5	2817.8	2581.2	2230.3	1844.1	1629.2	1509.5	1468.7	1447.0	1449.7
12.5°	3070.8	3010.9	2782.5	2325.5	1795.1	1550.3	1474.2	1447.0	1433.4	1427.9	1433.4
15°	3179.6	3087.1	2698.1	2004.6	1593.9	1498.7	1482.3	1485.1	1485.1	1487.8	1487.8
17.5°	3274.8	3130.6	2545.8	1773.4	1553.1	1525.9	1542.2	1555.8	1555.8	1558.5	1555.8
20°	3361.8	3152.4	2350.0	1675.5	1561.2	1574.8	1612.9	1626.5	1629.2	1626.5	1626.5
22.5°	3454.3	3166.0	2154.2	1621.1	1580.3	1621.1	1661.9	1680.9	1686.3	1689.1	1691.8
25°	3544.0	3138.8	1993.7	1577.5	1572.1	1629.2	1675.5	1699.9	1705.4	1705.4	1708.1
27.5°	3633.8	3130.6	1884.9	1520.4	1534.0	1580.3	1634.7	1667.3	1689.1	1691.8	1694.5
30°	3737.1	3106.1	1781.5	1444.3	1449.7	1506.8	1563.9	1621.1	1664.6	1683.6	1683.6
32.5°	3807.9	3081.6	1689.1	1362.7	1362.7	1422.5	1493.2	1563.9	1626.5	1664.6	1672.7
35°	3875.8	3059.9	1607.5	1281.1	1283.8	1340.9	1414.3	1490.5	1569.4	1615.6	1637.4
37.5°	3911.2	3038.1	1550.3	1218.5	1207.6	1267.5	1316.4	1379.0	1463.3	1539.5	1558.5
40°	3919.4	3038.1	1544.9	1175.0	1128.8	1196.8	1218.5	1262.0	1338.2	1419.8	1449.7
42.5°	3865.0	3008.2	1572.1	1147.8	1047.2	1096.1	1120.6	1142.4	1191.3	1259.3	1283.8
45°	3799.7	2967.4	1596.6	1109.7	946.5	984.6	1022.7	1025.4	1047.2	1063.5	1079.8
47.5°	3745.3	2923.9	1553.1	1039.0	843.2	870.4	911.2	911.2	900.3	867.6	856.8
50°	3788.8	2937.5	1479.6	938.4	748.0	767.0	810.5	786.0	761.6	693.6	685.4
52.5°	3826.9	2989.2	1392.6	840.4	666.4	685.4	728.9	690.9	641.9	587.5	579.3
55°	3764.3	2991.9	1232.1	731.7	609.3	625.6	666.4	620.1	573.9	541.3	535.8
57.5°	3576.7	2910.3	1063.5	647.3	560.3	576.6	614.7	568.5	524.9	522.2	535.8
60°	3163.2	2624.7	908.4	592.9	514.1	533.1	571.2	522.2	465.1	440.6	448.8
62.5°	2388.1	2018.2	777.9	530.4	470.5	495.0	522.2	443.3	394.4	383.5	372.6
65°	*1746.2*	*1550.3*	*699.0*	*481.4*	*429.7*	*459.7*	*437.9*	*394.4*	*361.7*	*350.9*	*345.4*
67.5°	1128.8	1052.6	601.1	435.2	391.7	416.1	386.2	364.5	329.1	323.7	331.8
70°	690.9	715.3	503.2	383.5	353.6	348.1	353.6	331.8	293.7	301.9	312.8
72.5°	489.6	527.7	432.5	334.5	301.9	291.0	315.5	301.9	274.7	282.9	293.7
75°	350.9	391.7	356.3	274.7	255.7	250.2	293.7	301.9	282.9	288.3	296.5
77.5°	206.7	250.2	253.0	212.2	193.1	223.0	312.8	348.1	334.5	318.2	310.1
80°	133.3	149.6	179.5	136.0	136.0	193.1	342.7	424.3	364.5	323.7	318.2
82.5°	68.0	78.9	117.0	87.0	81.6	144.2	337.3	405.3	402.5	359.0	350.9
85°	19.0	24.5	54.4	38.1	32.6	76.2	253.0	304.6	272.0	198.6	201.3
87.5°	2.7	2.7	0.0	0.0	2.7	10.9	29.9	5.4	5.4	5.4	5.4
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: SP1-2407-184-11

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

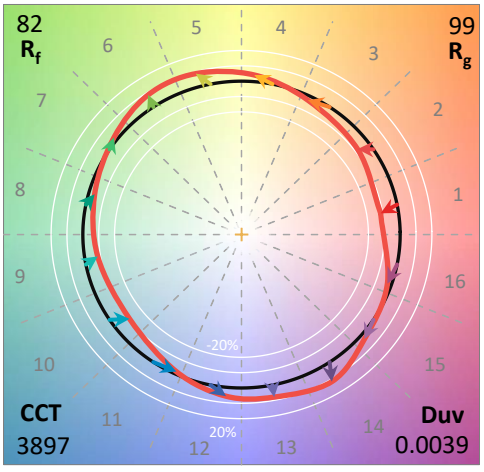
Test Information

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

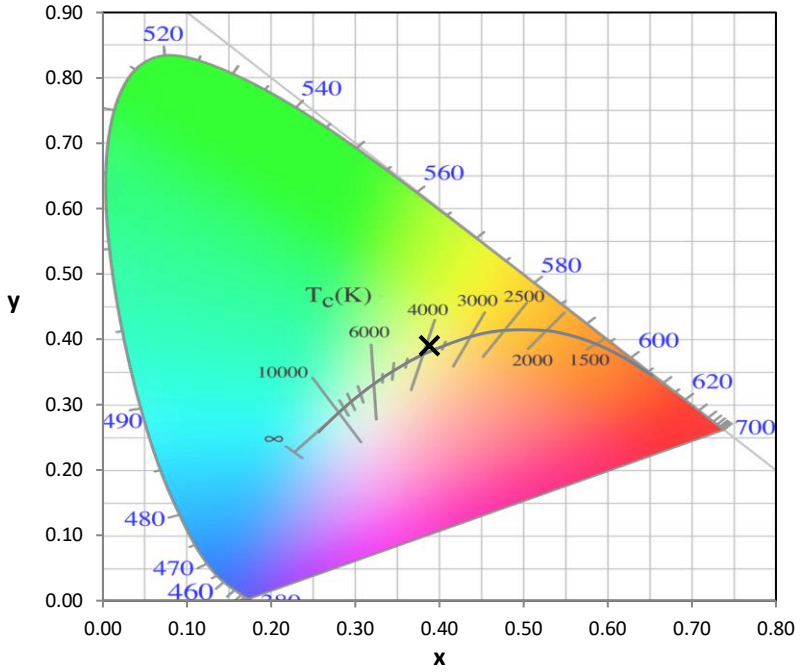
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

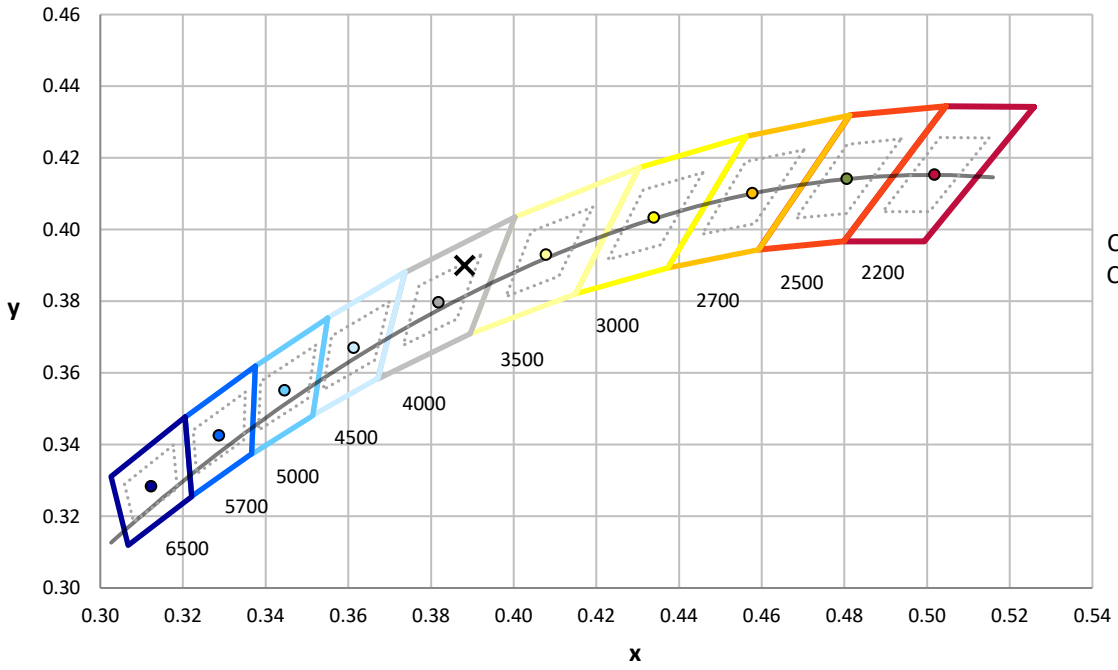
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

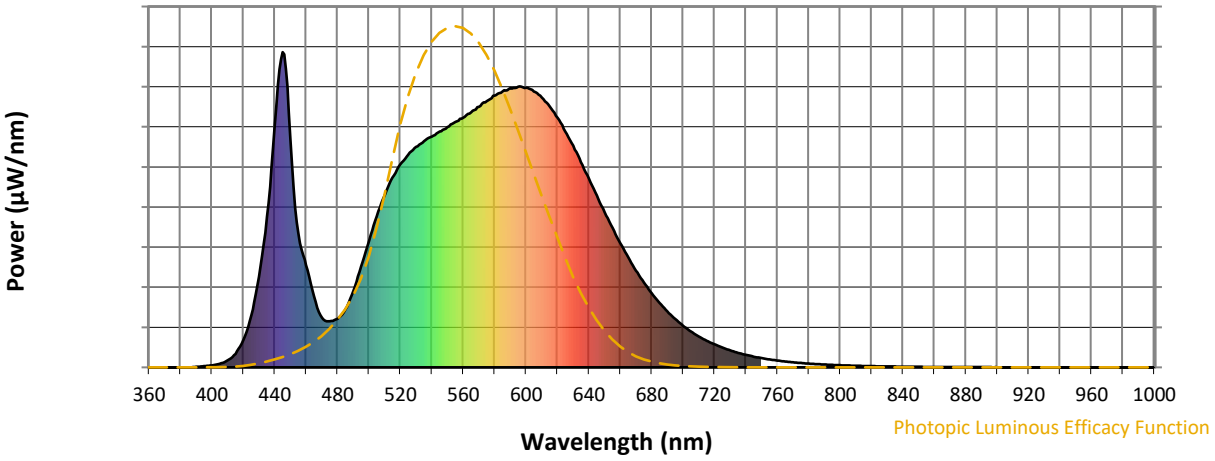


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

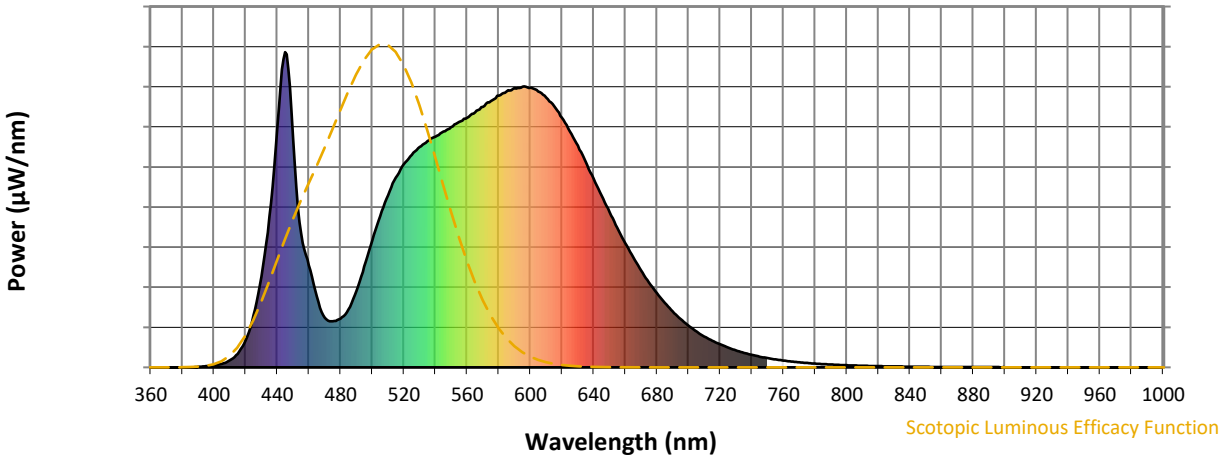


Photopic Lumens: NR

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

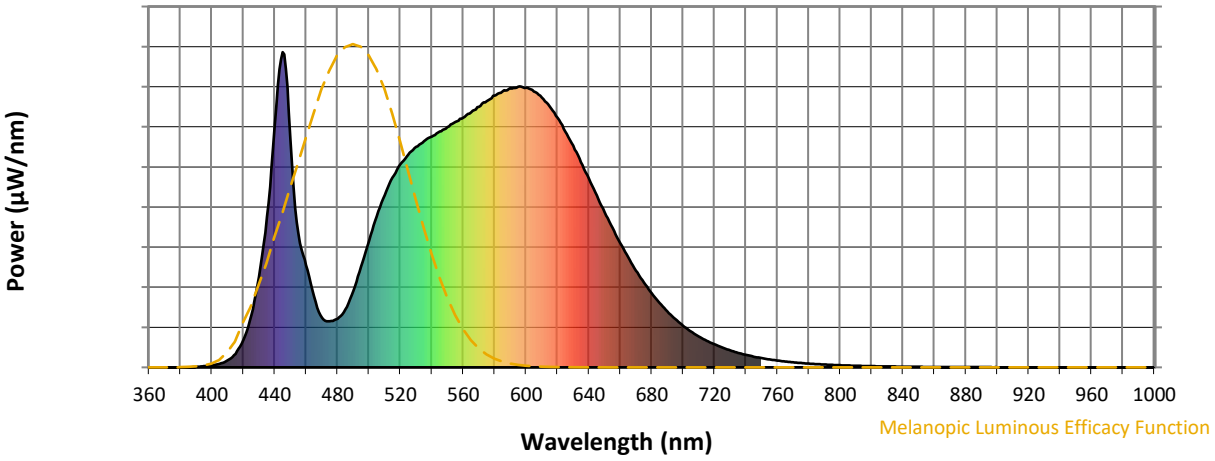


Scotopic Lumens: NR **S/P: 1.57**

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			

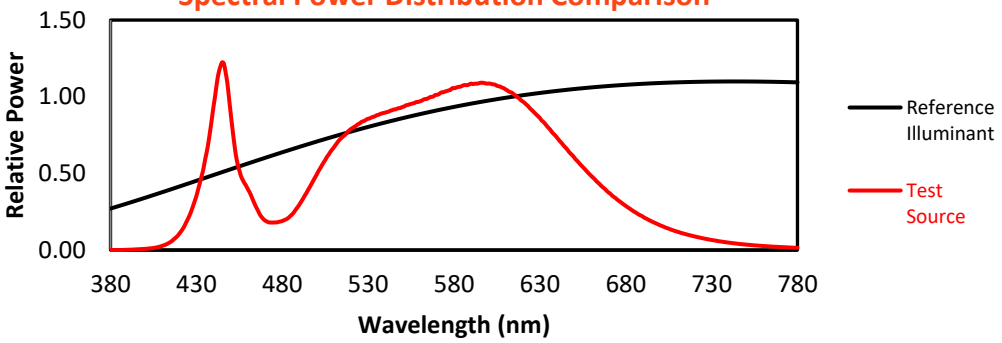
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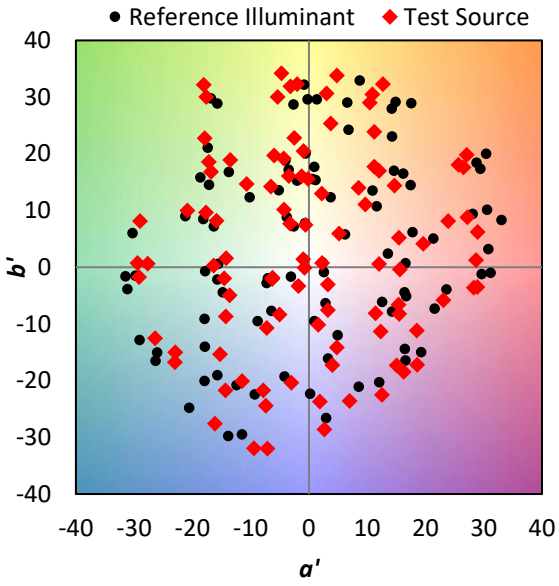
Summary

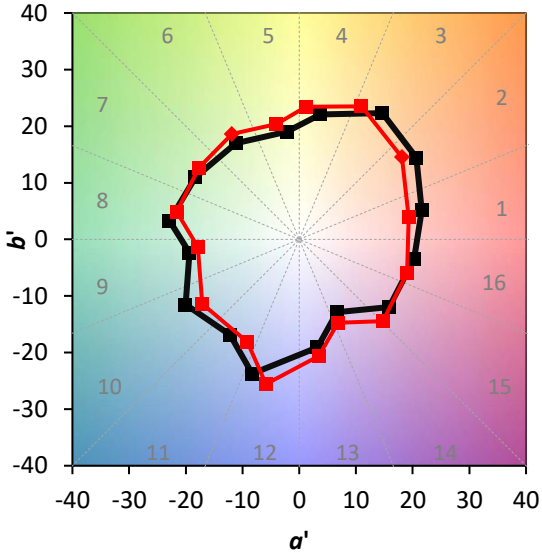
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

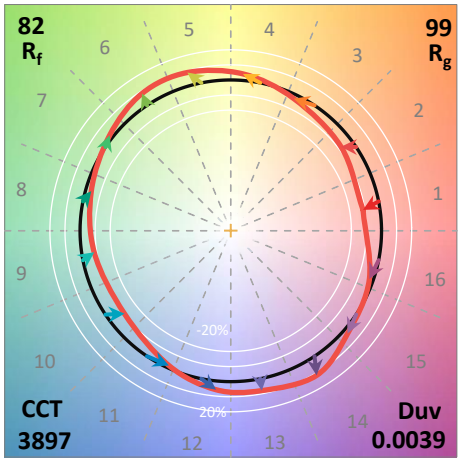
Spectral Power Distribution Comparison

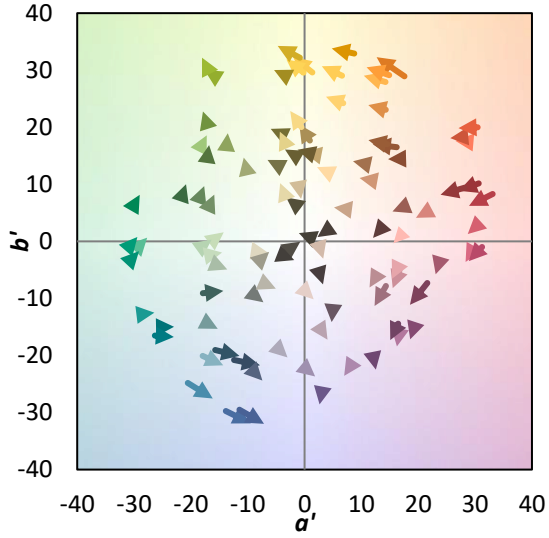


Color Vector Graphics







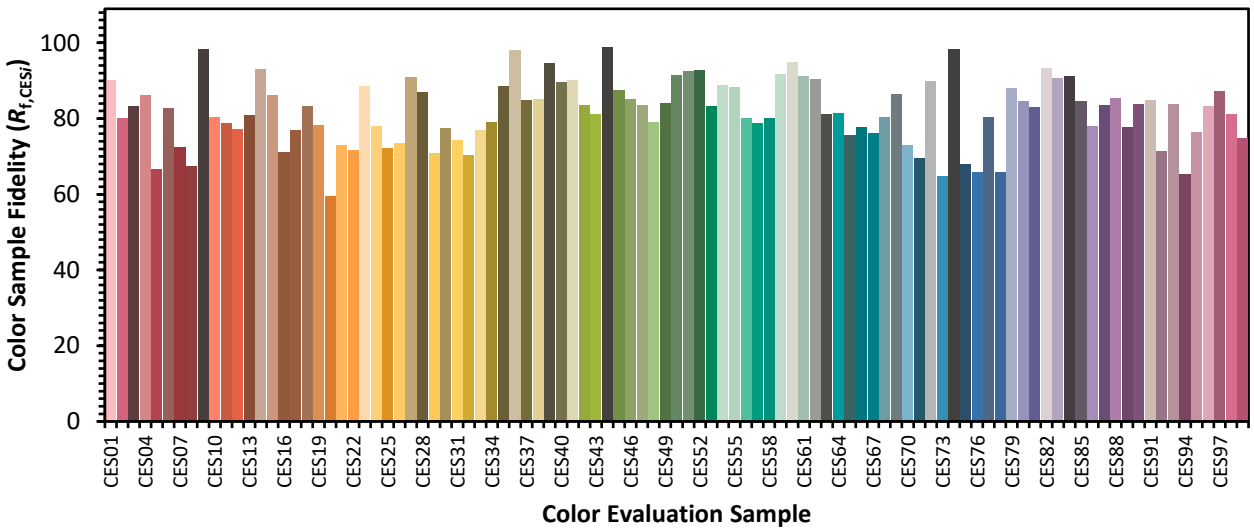


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Individual Sample Fidelity Index ($R_{f,i}$)

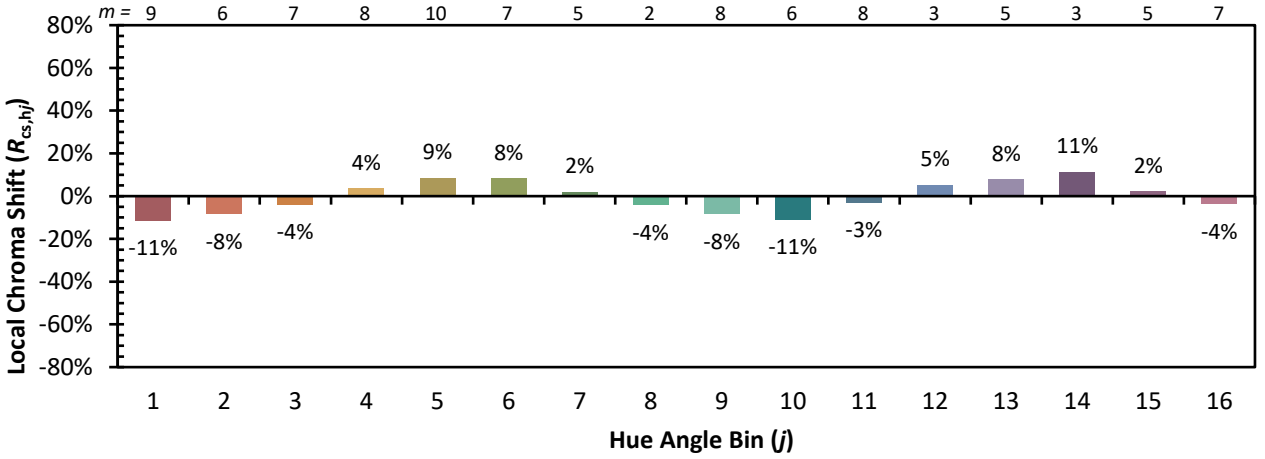
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82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

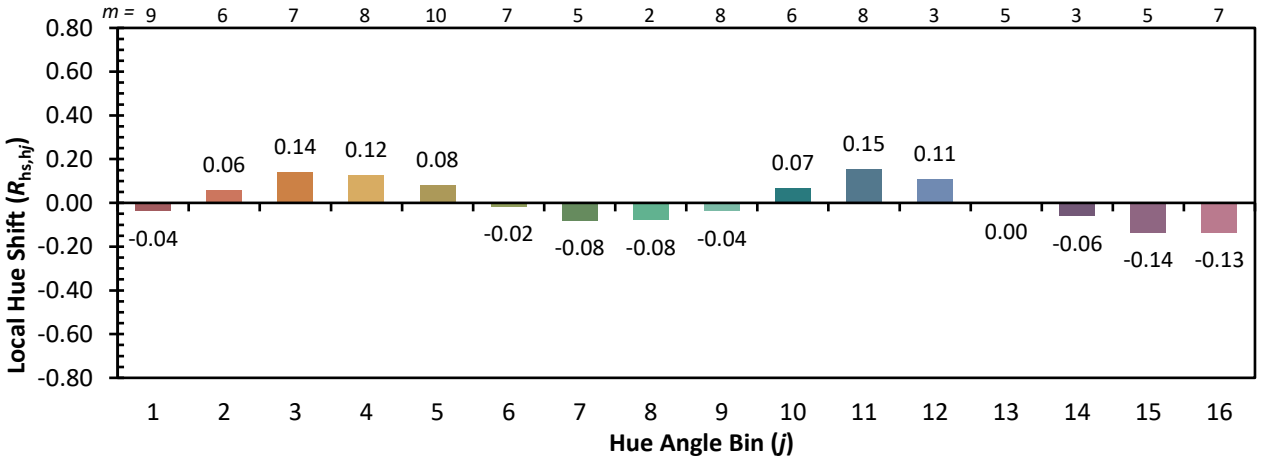


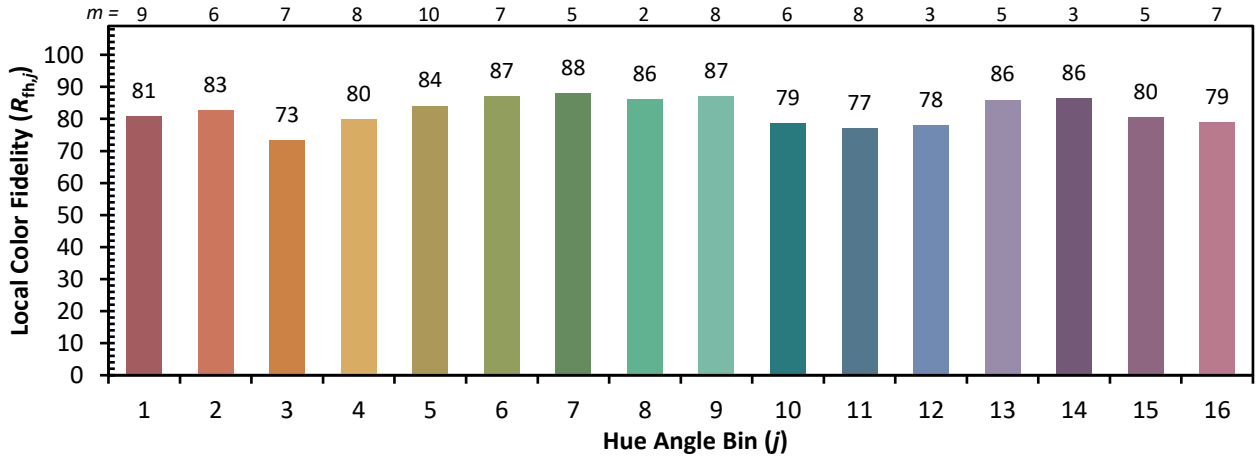
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Color Rendition by Hue-Angle Bin



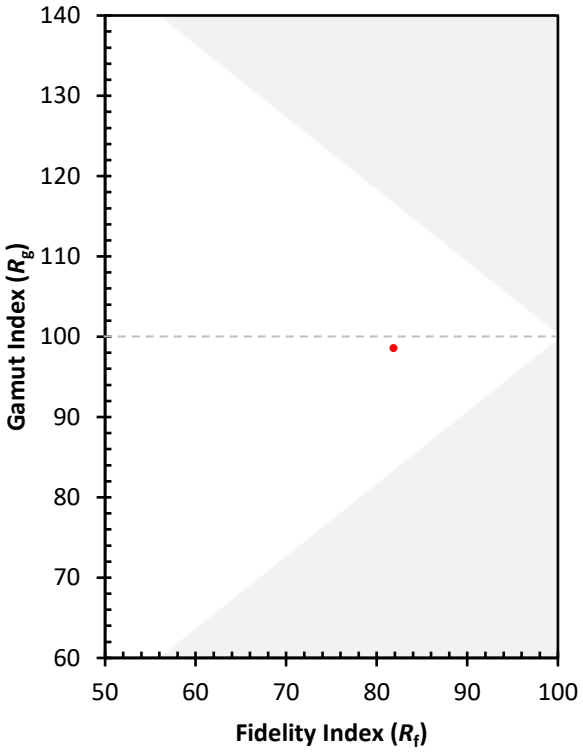


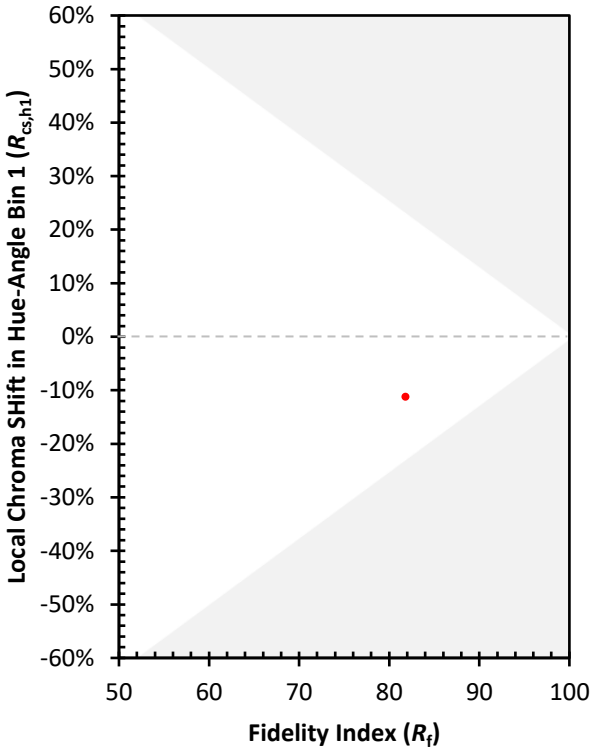


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Measure Comparisons





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