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: P1500812

Luminaire Tested: GSS-SB4D-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:	P1500812
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4D-840-U-T4LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 238W 80CRI 4000K FIXTURE w/ TYPE IV LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30707.1 lumens
Efficiency:	N/A
Efficacy:	129.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G3

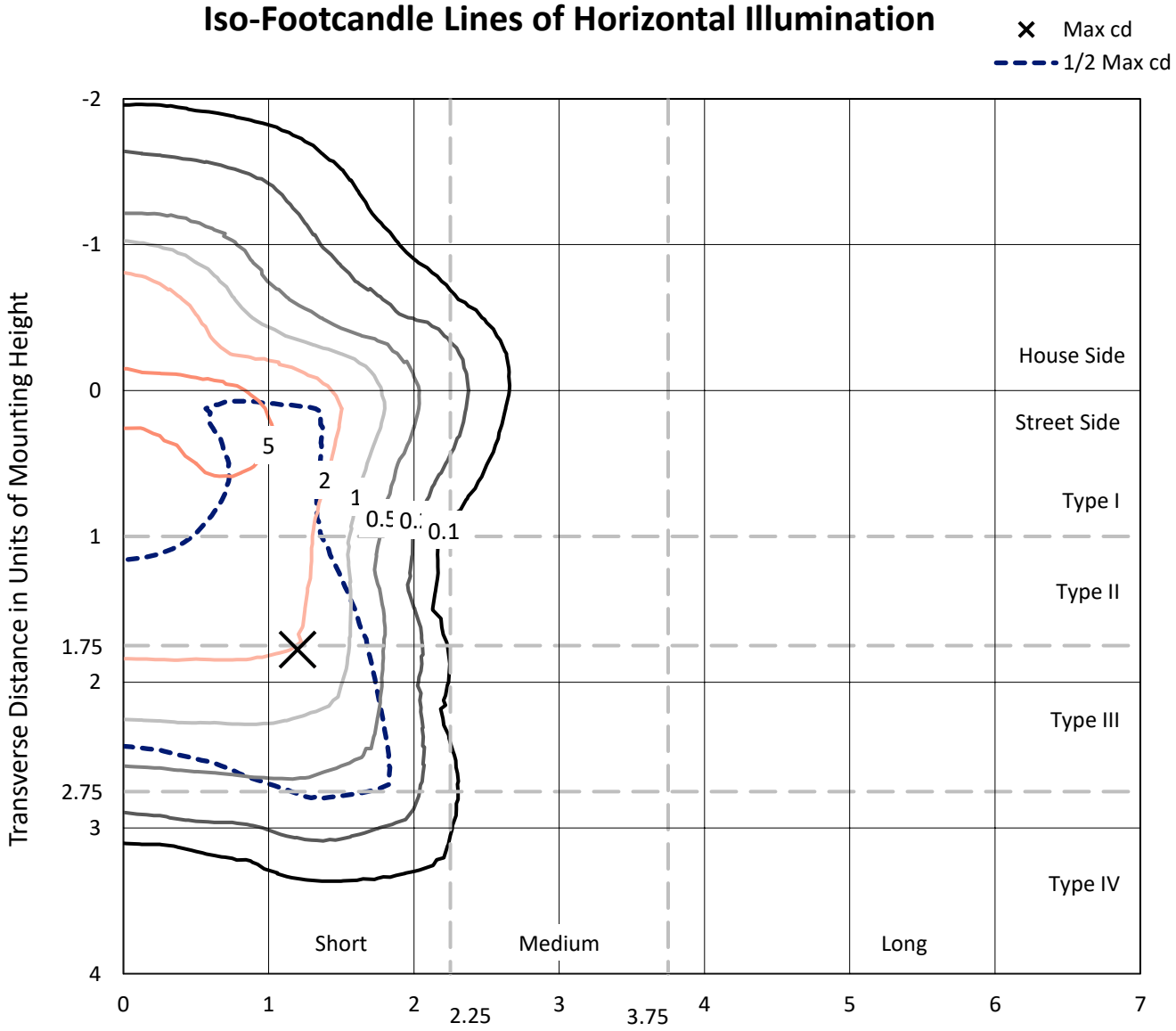
Input Watts (W):	238
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1500812
CATALOG NUMBER: GSS-SB4D-840-U-T4LG

Iso-Footcandle Lines of Horizontal Illumination



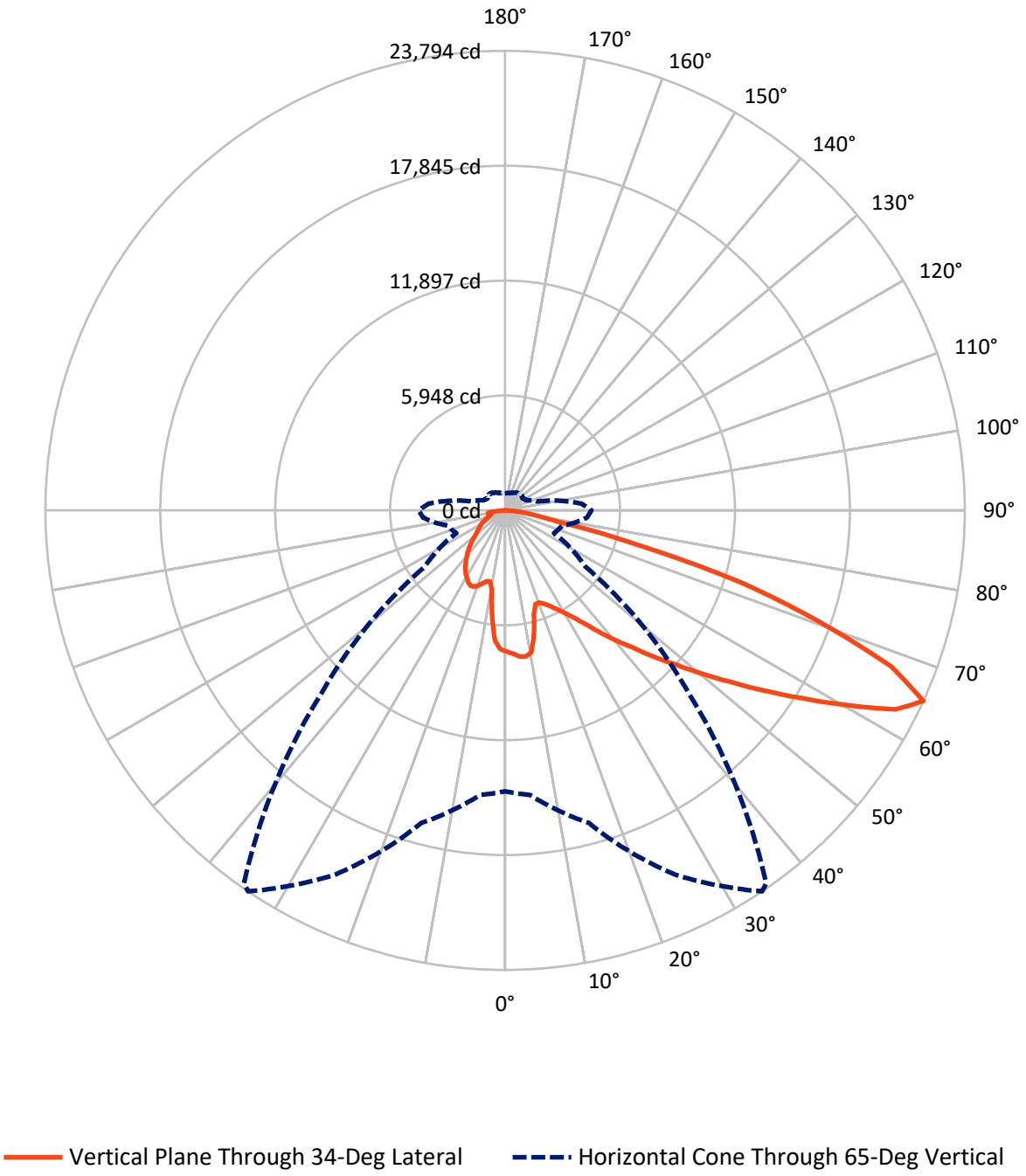
Based on 30 foot mounting height. Maximum calculated value = 8.6 fc
Type III - Short - N/A

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Scaled Data Report

REPORT NUMBER: P1500812
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Luminous Intensity Polar Plot



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Scaled Data Report

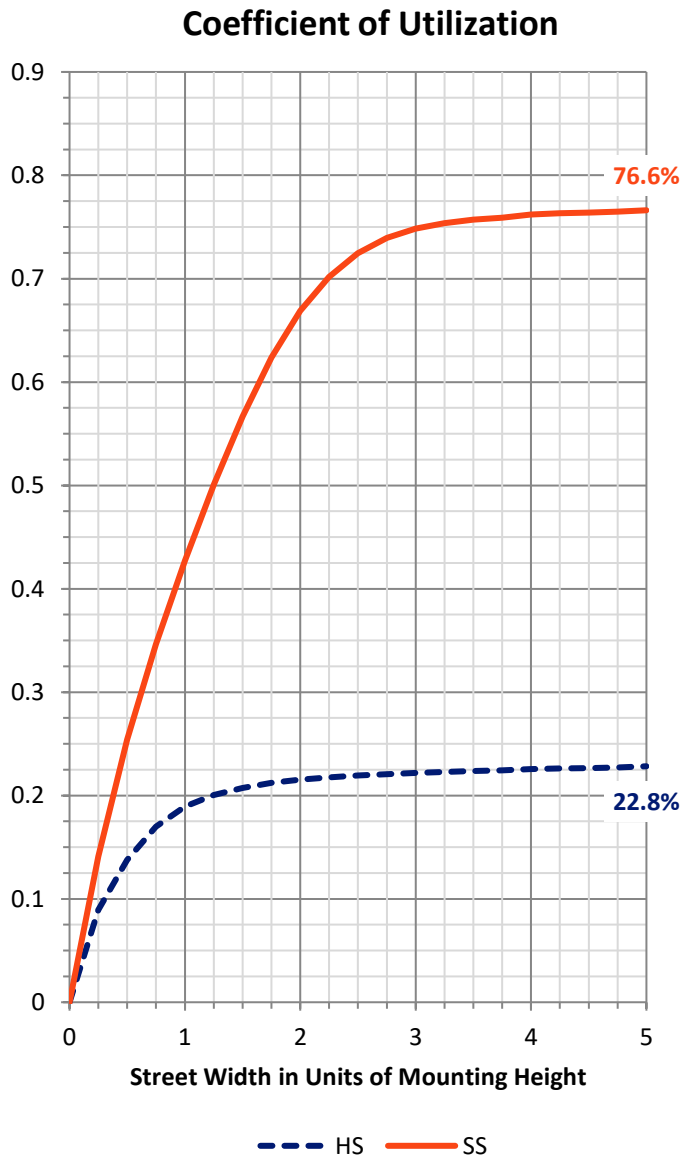
REPORT NUMBER: P1500812
CATALOG NUMBER: GSS-SB4D-840-U-T4LG

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7144.2	0.0	7144.2
	% Fixture	23.3	0.0	23.3
Street Side	Lumens	23562.9	0.0	23562.9
	% Fixture	76.7	0.0	76.7
Total	Lumens	30707.1	0.0	30707.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.1	2.1
10°-20°	1656.5	5.4
20°-30°	2745.9	8.9
30°-40°	4129.7	13.4
40°-50°	5785.5	18.8
50°-60°	7294.6	23.8
60°-70°	6273.9	20.4
70°-80°	1865.3	6.1
80°-90°	297.6	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°	30707.1	100.0
0°-180°	30707.1	100.0



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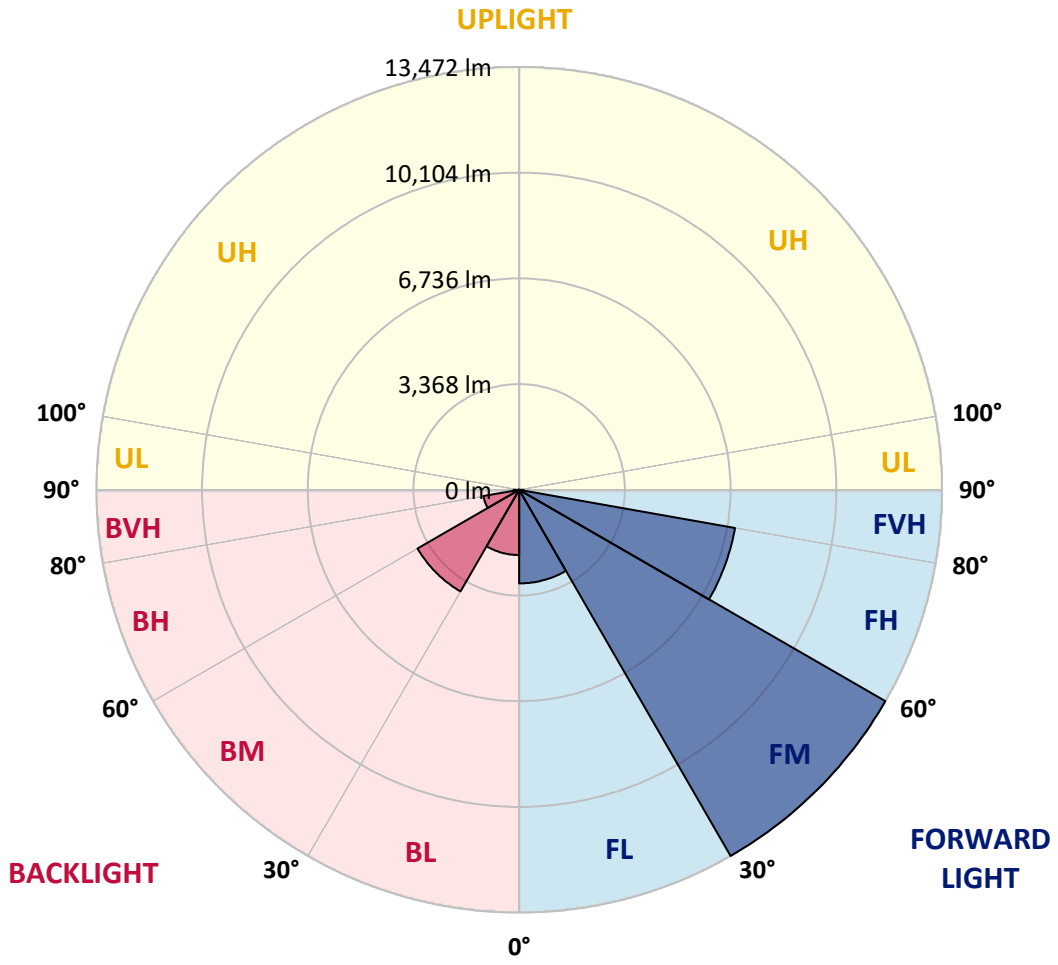
Scaled Data Report

REPORT NUMBER: P1500812
CATALOG NUMBER: GSS-SB4D-840-U-T4LG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2981.9	9.7			
FM	(30°-60°)	13472.1	43.9			
FH	(60°-80°)	6983.0	22.7			G3/7500
FVH	(80°-90°)	125.9	0.4			G2/225
BL	(0°-30°)	2078.7	6.8	B3/2500		
BM	(30°-60°)	3737.6	12.2	B3/5000		
BH	(60°-80°)	1156.2	3.8	B3/2500		G3/2500
BVH	(80°-90°)	171.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	7300.7	7300.7	7300.7	7300.7	*7300.7*	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7
2.5°	7439.8	7481.5	7432.9	7412.0	*7419.0*	7425.9	7391.1	7398.1	7356.4	7356.4	7321.6
5°	7599.7	7606.7	7578.9	7599.7	*7592.8*	7585.8	7585.8	7578.9	7488.5	7467.6	7432.9
7.5°	7509.3	7537.2	7551.1	7627.5	*7648.4*	7690.1	7717.9	7731.8	7662.3	7606.7	7516.3
10°	6681.9	6702.8	6862.7	7210.4	*7474.6*	7523.2	7780.5	7926.5	7877.9	7850.0	7697.1
12.5°	5340.0	5374.7	5555.5	6007.5	*6626.3*	6758.4	7578.9	8072.5	8183.8	8190.7	7968.2
15°	4762.9	4762.9	4818.5	5075.8	*5576.4*	5680.7	6890.5	8114.3	8510.6	8559.3	8288.1
17.5°	4644.7	4637.7	4672.5	4825.4	*5089.7*	5152.2	6097.9	7898.7	8900.0	8983.4	8635.7
20°	4637.7	4616.9	4686.4	4860.2	*5089.7*	5145.3	5729.3	7523.2	9205.9	9470.1	8983.4
22.5°	4644.7	4644.7	4742.0	4992.3	*5256.5*	5305.2	5798.9	7210.4	9456.2	9977.7	9351.9
25°	4721.2	4707.2	4846.3	5152.2	*5513.8*	5548.6	6084.0	7196.5	9671.8	10547.8	9796.9
27.5°	4846.3	4853.3	5041.0	5409.5	*5819.7*	5889.3	6480.3	7495.4	9936.0	11173.6	10228.0
30°	5110.5	5117.5	5340.0	5715.4	*6188.3*	6278.6	6939.2	7940.4	10311.4	11848.1	10693.9
32.5°	5409.5	5444.3	5715.4	6153.5	*6661.1*	6709.7	7502.4	8607.9	10874.6	12522.5	11194.5
35°	5910.1	5944.9	6250.8	6709.7	*7272.9*	7342.5	8190.7	9379.7	11563.0	13203.9	11583.9
37.5°	6556.8	6584.6	6883.6	7439.8	*8037.8*	8107.3	8955.6	10200.2	12258.3	13746.3	11931.5
40°	7328.6	7391.1	7711.0	8253.3	*8858.2*	8900.0	9790.0	10992.8	13009.2	14121.7	12070.6
42.5°	8169.9	8232.5	8559.3	9157.2	*9713.5*	9838.6	10693.9	11834.2	13621.1	14288.6	11959.3
45°	9247.6	9233.7	9539.6	10165.4	*10819.0*	10867.7	11660.3	12529.5	13989.6	14149.5	11848.1
47.5°	10554.8	10568.7	10763.4	11271.0	*11945.4*	12056.7	12668.5	13127.4	14205.2	14038.3	11722.9
50°	12028.9	12063.6	12230.5	12599.0	*13322.1*	13398.6	13579.4	13544.6	14337.3	13801.9	11771.6
52.5°	13502.9	13523.8	13746.3	14135.6	*14837.9*	14893.5	14497.2	13864.5	13843.6	12849.3	11667.3
55°	14712.7	14705.8	15102.1	15700.1	*16555.3*	16520.6	15401.1	13621.1	12300.0	11368.3	11201.4
57.5°	15762.7	15804.4	16318.9	17354.9	*18432.7*	18404.8	16367.6	12334.8	10047.2	9616.1	10443.5
60°	16708.3	16805.6	17772.1	19322.6	*20511.6*	20344.8	16541.4	10394.9	7815.3	7530.2	8941.7
62.5°	16298.1	16478.8	18029.4	21054.0	*22687.9*	22319.4	15470.6	8051.7	5291.3	5034.0	6320.4
65°	*14545.9*	*14789.2*	*16757.0*	*20803.7*	*23793.5*	*23564.0*	*13523.8*	*5061.9*	*2788.2*	*3059.4*	*4255.3*
67.5°	12216.6	12508.6	14636.3	18689.9	*21526.8*	21033.1	10506.1	2663.0	1300.2	2016.4	2642.2
70°	6695.8	7419.0	10582.6	15894.8	*17243.7*	16555.3	6077.0	1258.5	945.6	1258.5	1578.4
72.5°	2517.0	2690.8	4589.0	10686.9	*12772.8*	11924.6	2308.4	813.5	792.7	931.7	1140.3
75°	1209.8	1293.3	1995.5	4860.2	*6974.0*	6501.1	1133.4	604.9	681.4	730.1	827.4
77.5°	723.1	778.7	1244.6	2823.0	*2746.5*	2524.0	695.3	465.9	549.3	521.5	486.7
80°	431.1	479.8	757.9	1606.2	*1654.8*	1467.1	424.1	326.8	382.4	333.7	299.0
82.5°	250.3	271.2	396.3	723.1	*1049.9*	966.5	243.4	194.7	278.1	222.5	166.9
85°	125.2	132.1	180.8	312.9	*521.5*	396.3	104.3	90.4	132.1	97.3	55.6
87.5°	27.8	27.8	27.8	34.8	*48.7*	48.7	13.9	7.0	7.0	7.0	7.0
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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Scaled Data Report

REPORT NUMBER: P1500812
CATALOG NUMBER: GSS-SB4D-840-U-T4LG

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7	7300.7
2.5°	7314.7	7328.6	7279.9	7224.3	7210.4	7168.6	7182.5	7154.7	7113.0	7120.0	7126.9
5°	7384.2	7356.4	7259.0	7133.9	7022.6	6897.5	6751.5	6584.6	6466.4	6417.7	6459.4
7.5°	7446.8	7419.0	7252.1	6974.0	6598.5	6077.0	5534.7	5041.0	4700.3	4575.1	4602.9
10°	7620.6	7509.3	7203.4	6598.5	5701.5	4714.2	4164.9	3859.0	3754.7	3699.0	3706.0
12.5°	7850.0	7697.1	7113.0	5944.9	4589.0	3963.3	3768.6	3699.0	3664.3	3650.4	3664.3
15°	8128.2	7891.8	6897.5	5124.4	4074.5	3831.2	3789.4	3796.4	3796.4	3803.3	3803.3
17.5°	8371.5	8003.0	6508.1	4533.4	3970.2	3900.7	3942.4	3977.2	3977.2	3984.1	3977.2
20°	8594.0	8058.6	6007.5	4283.1	3991.1	4025.8	4123.2	4158.0	4164.9	4158.0	4158.0
22.5°	8830.4	8093.4	5506.9	4144.0	4039.7	4144.0	4248.3	4297.0	4310.9	4317.9	4324.8
25°	9059.9	8023.9	5096.6	4032.8	4018.9	4164.9	4283.1	4345.7	4359.6	4359.6	4366.5
27.5°	9289.3	8003.0	4818.5	3886.8	3921.5	4039.7	4178.8	4262.2	4317.9	4324.8	4331.8
30°	9553.6	7940.4	4554.3	3692.1	3706.0	3852.0	3998.0	4144.0	4255.3	4304.0	4304.0
32.5°	9734.3	7877.9	4317.9	3483.5	3483.5	3636.5	3817.2	3998.0	4158.0	4255.3	4276.2
35°	9908.2	7822.2	4109.3	3274.9	3281.9	3427.9	3615.6	3810.3	4011.9	4130.1	4185.8
37.5°	9998.5	7766.6	3963.3	3115.0	3087.2	3240.1	3365.3	3525.2	3740.8	3935.5	3984.1
40°	10019.4	7766.6	3949.4	3003.7	2885.5	3059.4	3115.0	3226.2	3420.9	3629.5	3706.0
42.5°	9880.3	7690.1	4018.9	2934.2	2676.9	2802.1	2864.7	2920.3	3045.5	3219.3	3281.9
45°	9713.5	7585.8	4081.5	2836.9	2419.7	2517.0	2614.4	2621.3	2676.9	2718.7	2760.4
47.5°	9574.4	7474.6	3970.2	2656.1	2155.5	2225.0	2329.3	2329.3	2301.5	2218.0	2190.2
50°	9685.7	7509.3	3782.5	2398.8	1912.1	1960.8	2072.0	2009.4	1946.9	1773.0	1752.2
52.5°	9783.0	7641.5	3560.0	2148.5	1703.5	1752.2	1863.4	1766.1	1640.9	1501.9	1481.0
55°	9623.1	7648.4	3149.8	1870.4	1557.5	1599.2	1703.5	1585.3	1467.1	1383.7	1369.8
57.5°	9143.3	7439.8	2718.7	1654.8	1432.3	1474.1	1571.4	1453.2	1341.9	1335.0	1369.8
60°	8086.4	6709.7	2322.3	1515.8	1314.1	1362.8	1460.1	1335.0	1189.0	1126.4	1147.3
62.5°	6104.8	5159.2	1988.6	1355.9	1202.9	1265.5	1335.0	1133.4	1008.2	980.4	952.6
65°	*4463.9*	*3963.3*	*1786.9*	*1230.7*	*1098.6*	*1175.1*	*1119.4*	*1008.2*	*924.8*	*896.9*	*883.0*
67.5°	2885.5	2690.8	1536.6	1112.5	1001.2	1063.8	987.3	931.7	841.3	827.4	848.3
70°	1766.1	1828.7	1286.3	980.4	903.9	890.0	903.9	848.3	750.9	771.8	799.6
72.5°	1251.6	1348.9	1105.5	855.2	771.8	744.0	806.6	771.8	702.3	723.1	750.9
75°	896.9	1001.2	910.9	702.3	653.6	639.7	750.9	771.8	723.1	737.0	757.9
77.5°	528.4	639.7	646.6	542.3	493.7	570.2	799.6	890.0	855.2	813.5	792.7
80°	340.7	382.4	458.9	347.7	347.7	493.7	876.1	1084.7	931.7	827.4	813.5
82.5°	173.8	201.6	299.0	222.5	208.6	368.5	862.2	1036.0	1029.1	917.8	896.9
85°	48.7	62.6	139.1	97.3	83.4	194.7	646.6	778.7	695.3	507.6	514.5
87.5°	7.0	7.0	0.0	0.0	7.0	27.8	76.5	13.9	13.9	13.9	13.9
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

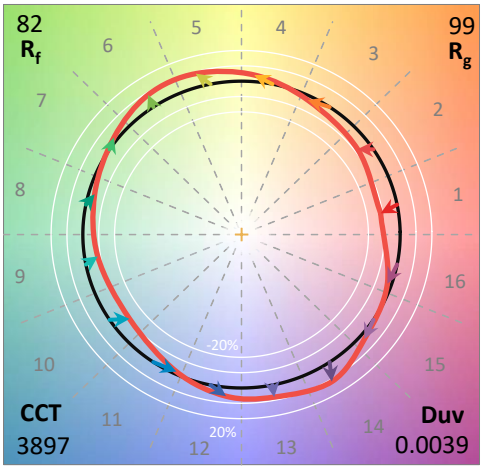
Test Information

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

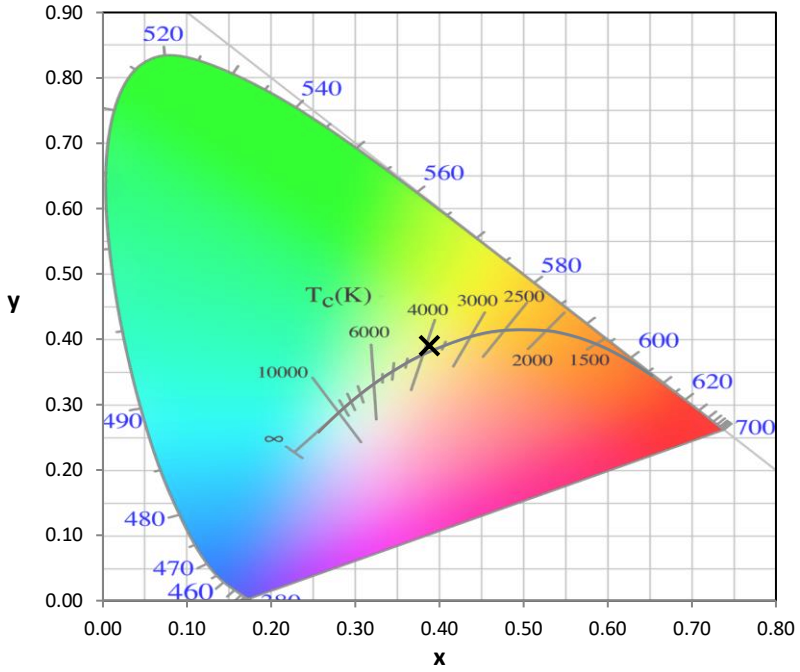
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

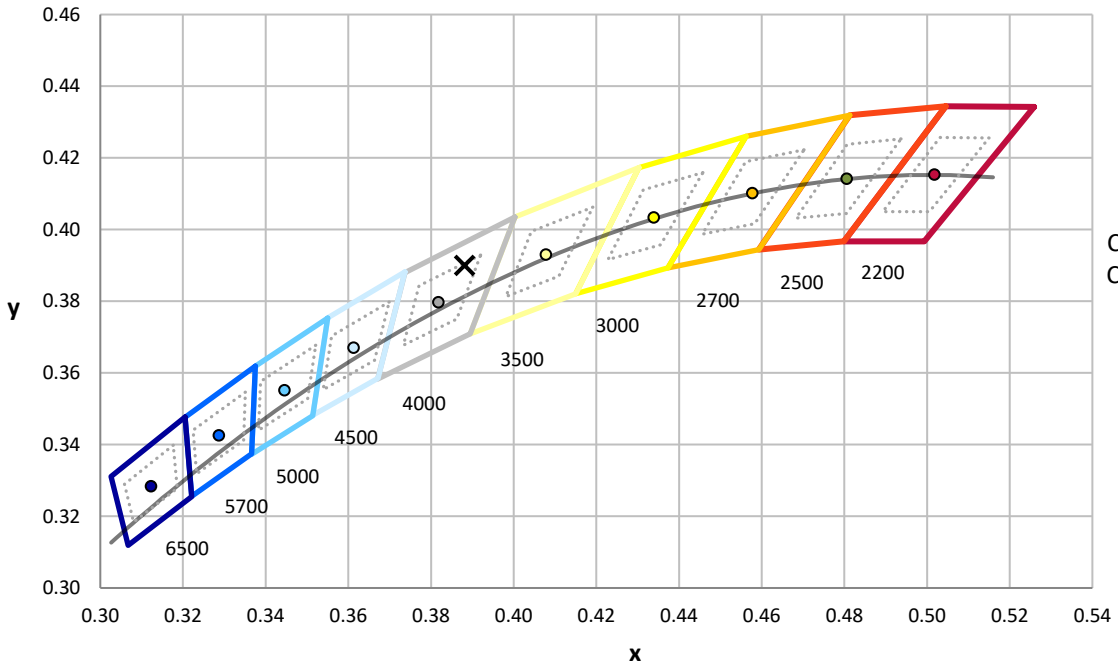
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

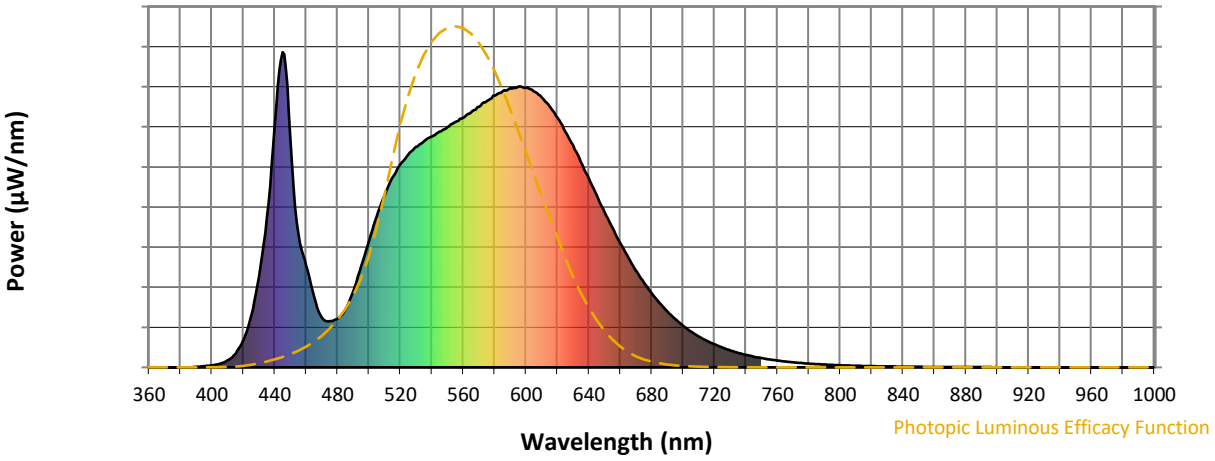


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

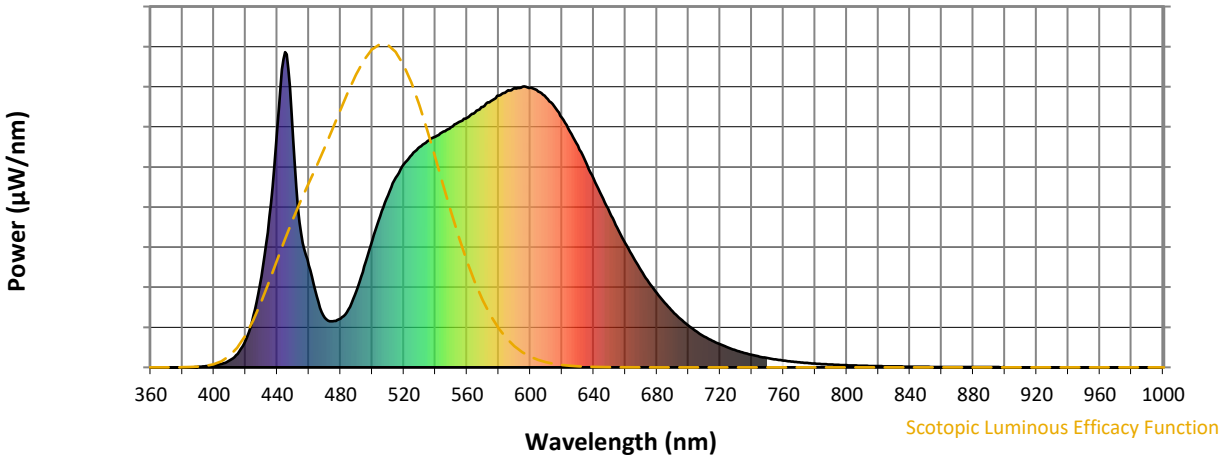


Photopic Lumens: NR

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	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

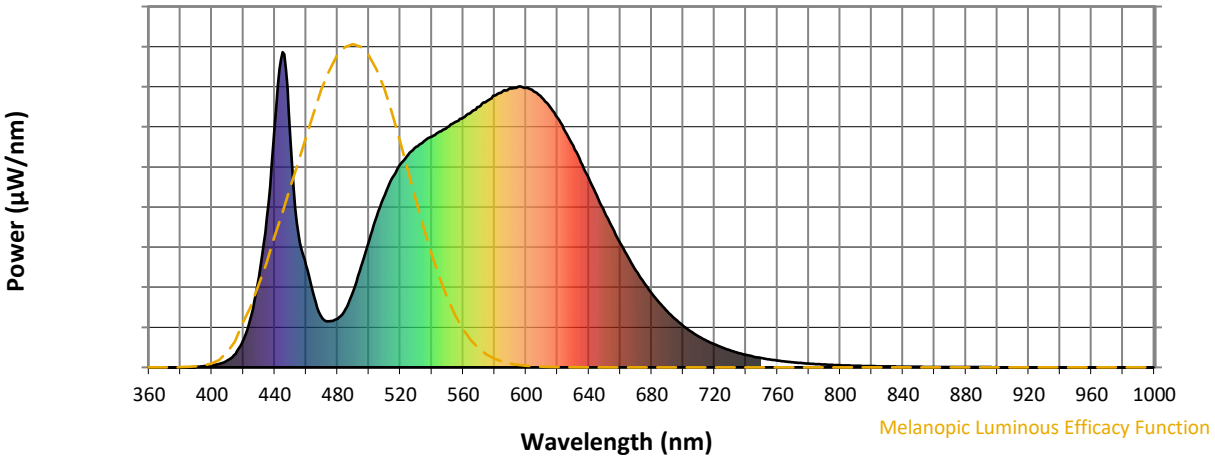


Scotopic Lumens: NR **S/P: 1.57**

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			

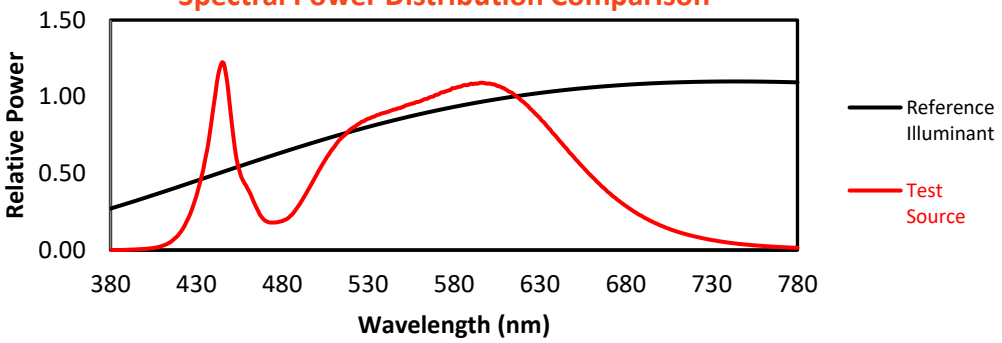
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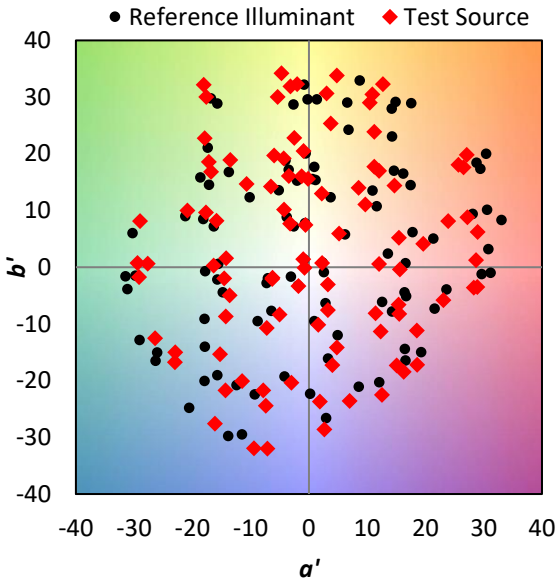
Summary

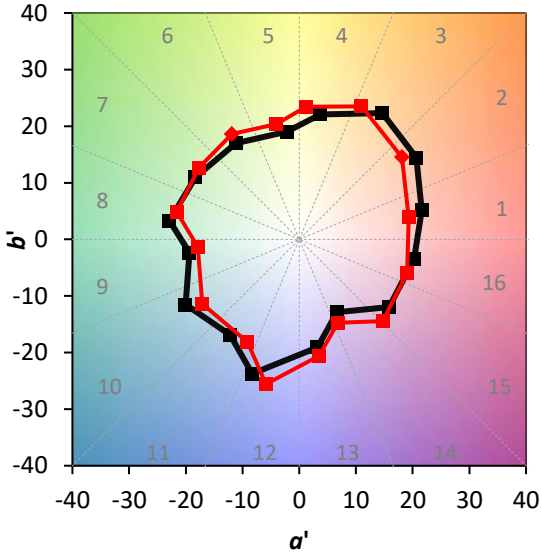
R_f = 81.8
R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

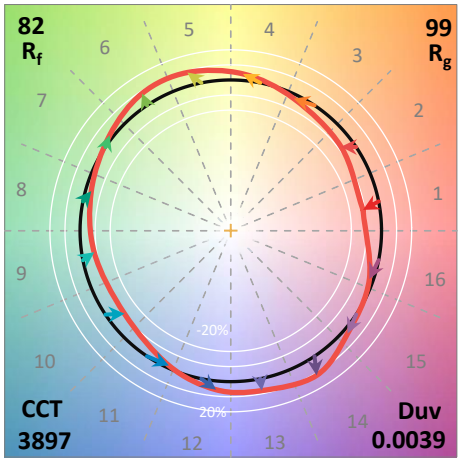
Spectral Power Distribution Comparison

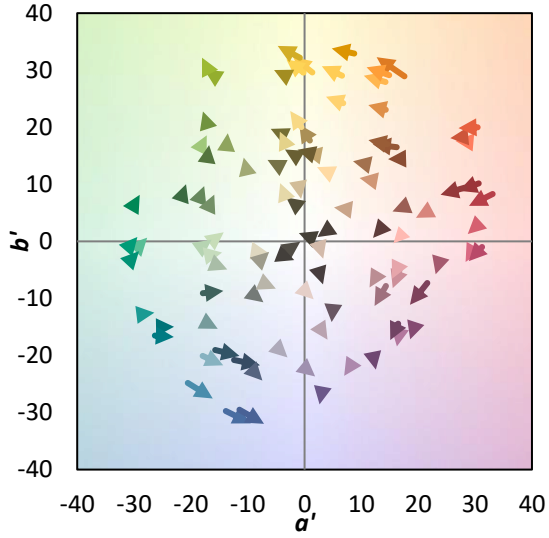


Color Vector Graphics







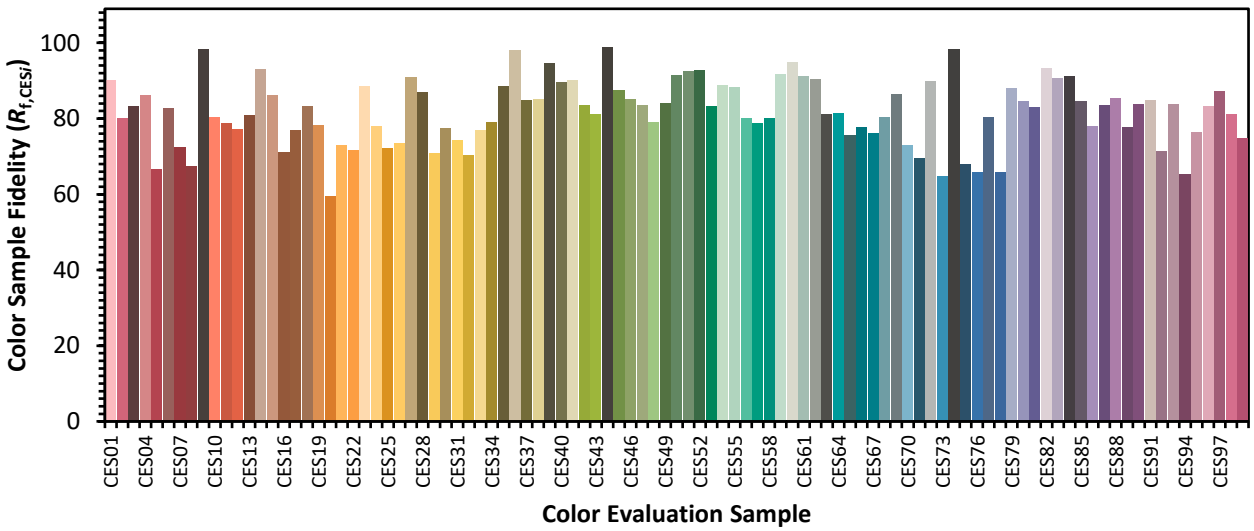


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Individual Sample Fidelity Index ($R_{f,i}$)

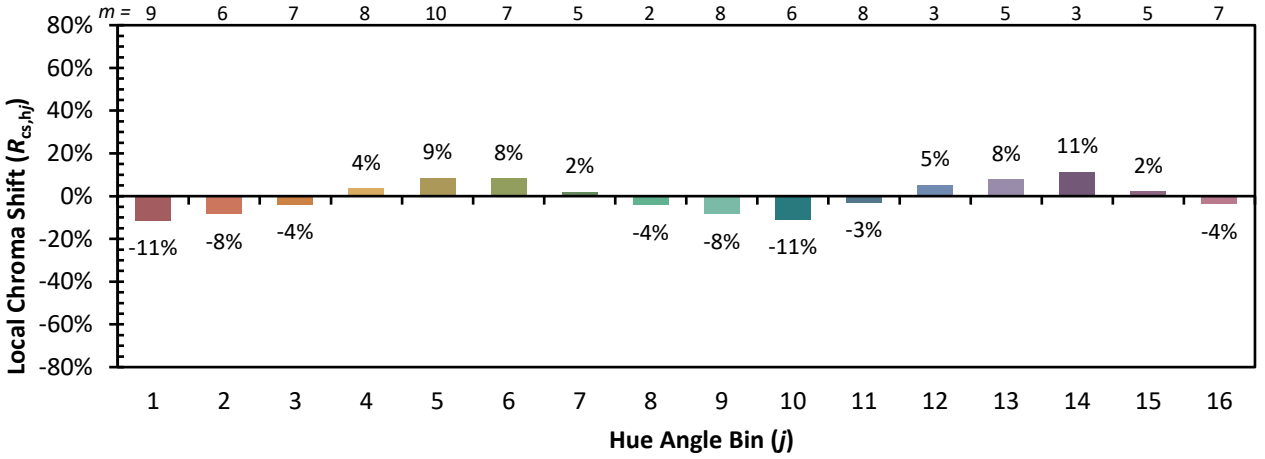
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82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

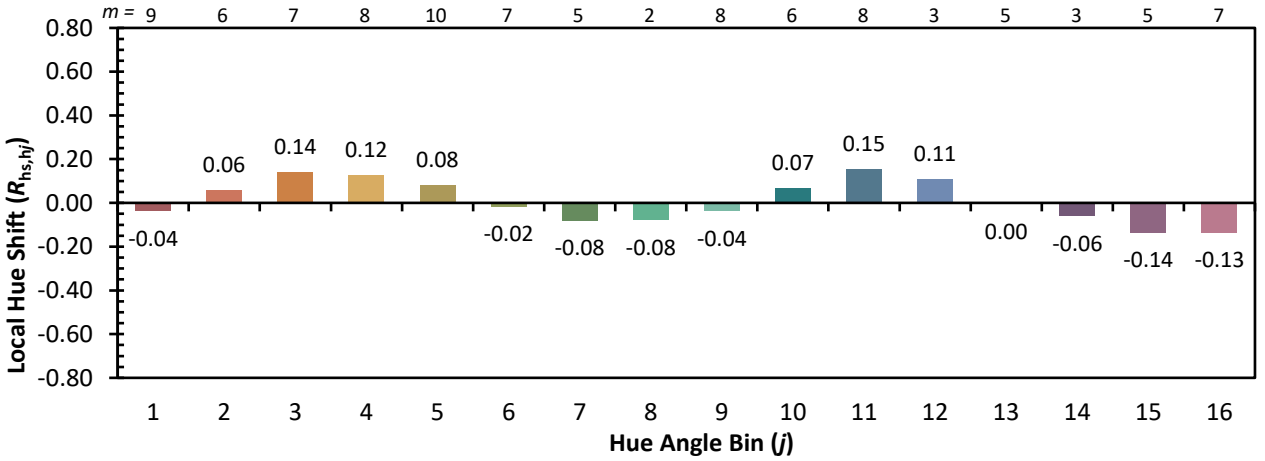


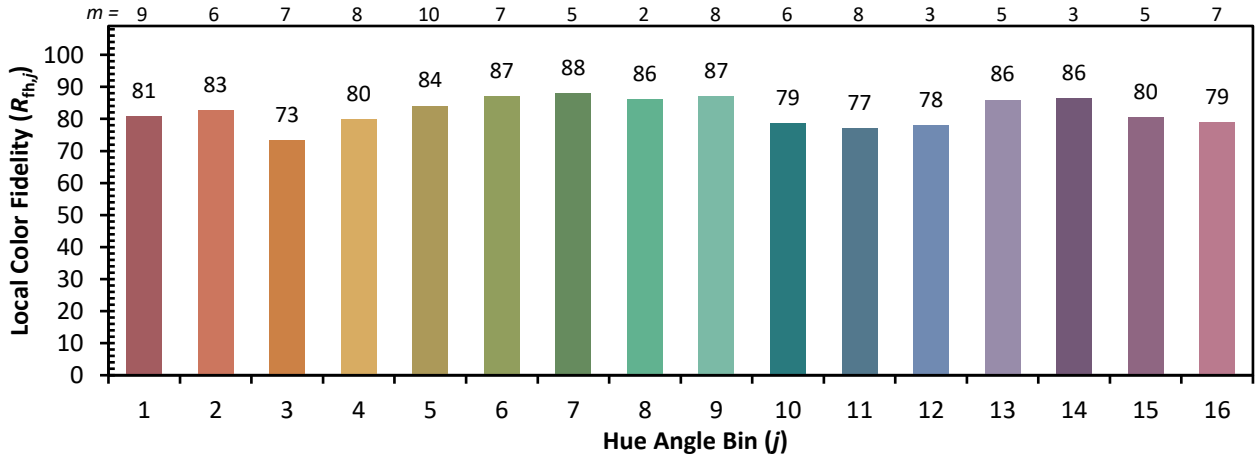
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Color Rendition by Hue-Angle Bin



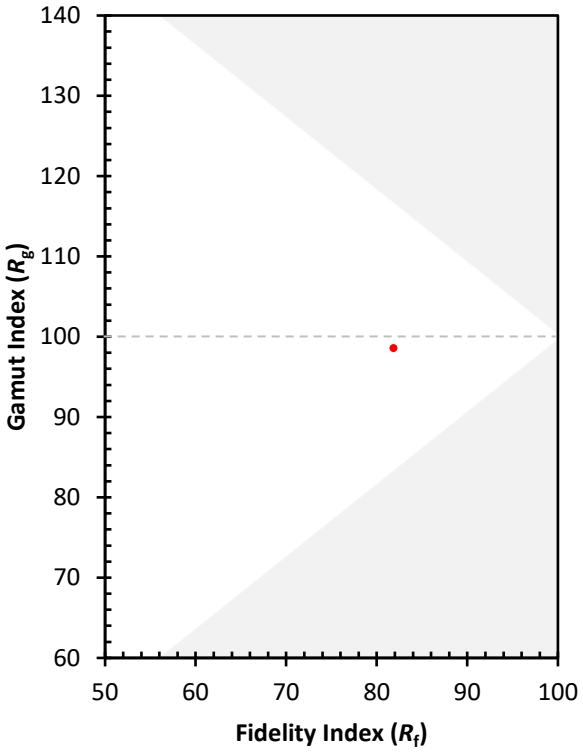


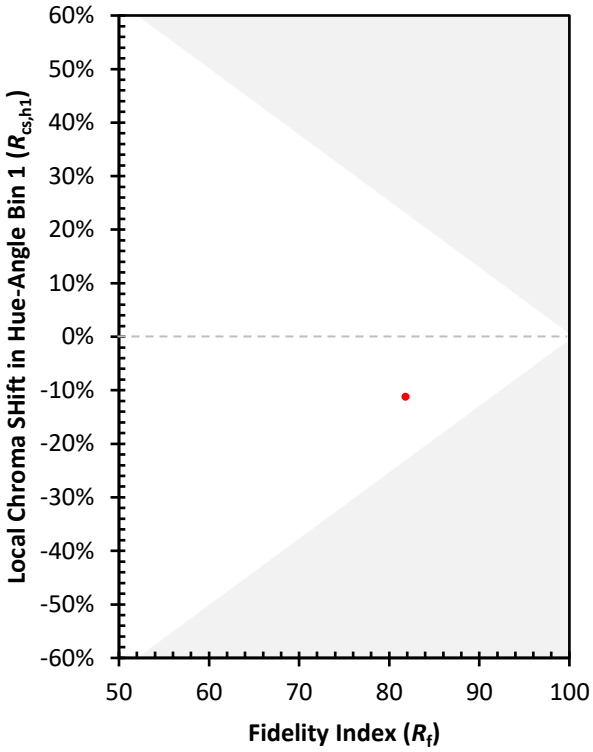


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Measure Comparisons





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