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: P1502730

Luminaire Tested: GSS-SB4B-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:	P1502730
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-840-U-T4LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 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:	16917.2 lumens
Efficiency:	N/A
Efficacy:	114.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

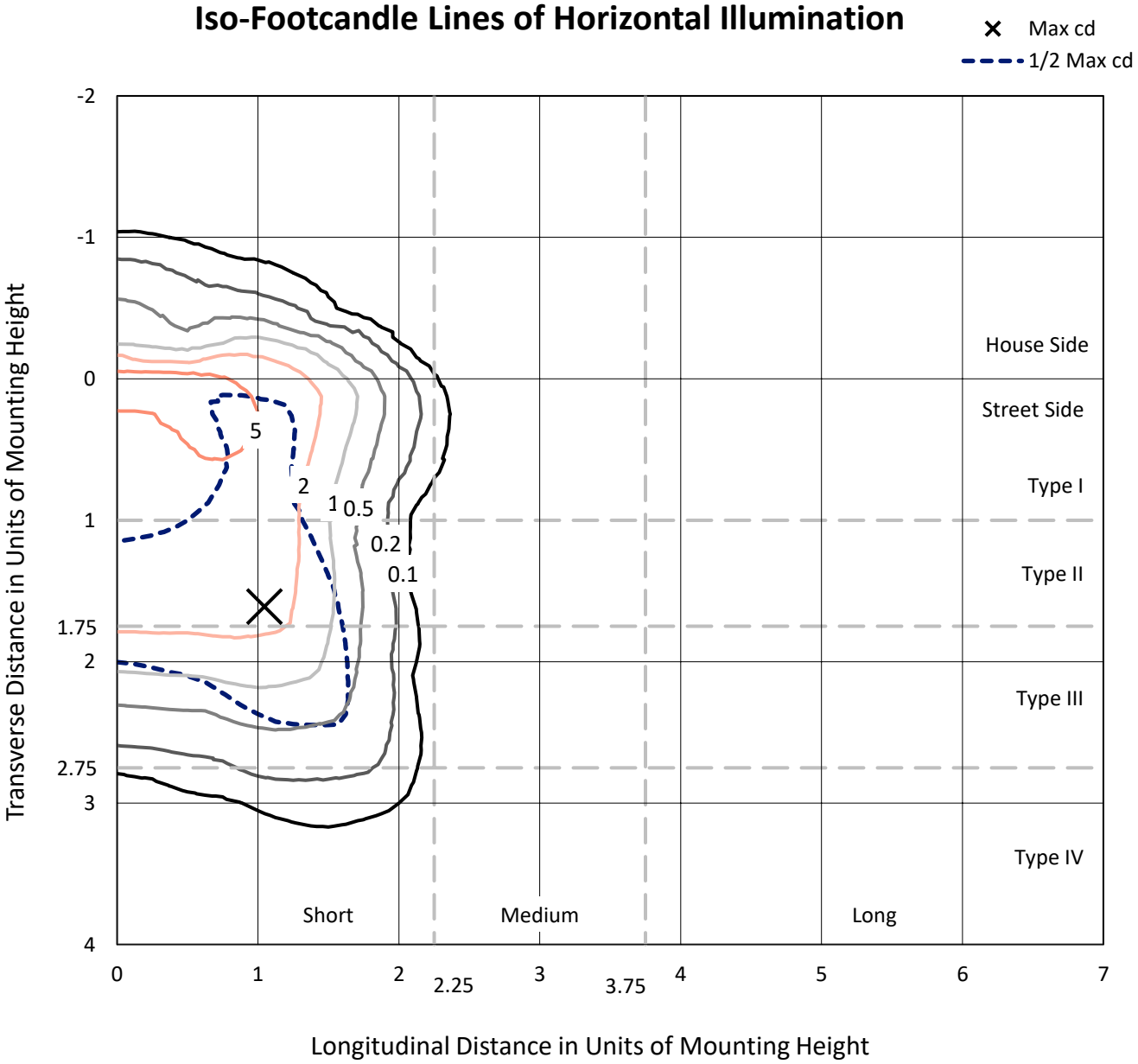
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Scaled Data Report

REPORT NUMBER: P1502730
CATALOG NUMBER: GSS-SB4B-840-U-T4LG-HSS

Iso-Footcandle Lines of Horizontal Illumination



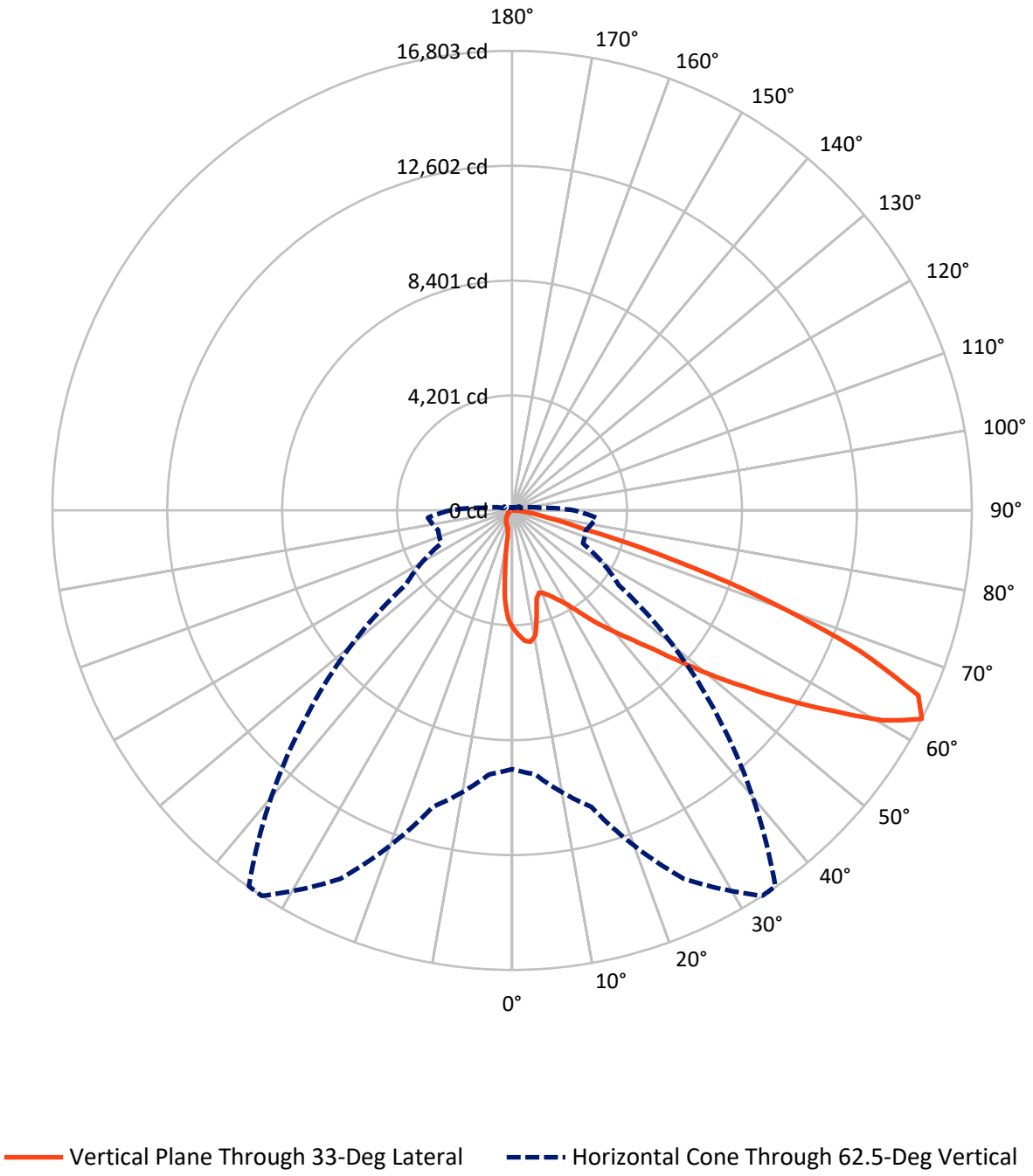
Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type III - Short - N/A

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REPORT NUMBER: P1502730
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Luminous Intensity Polar Plot



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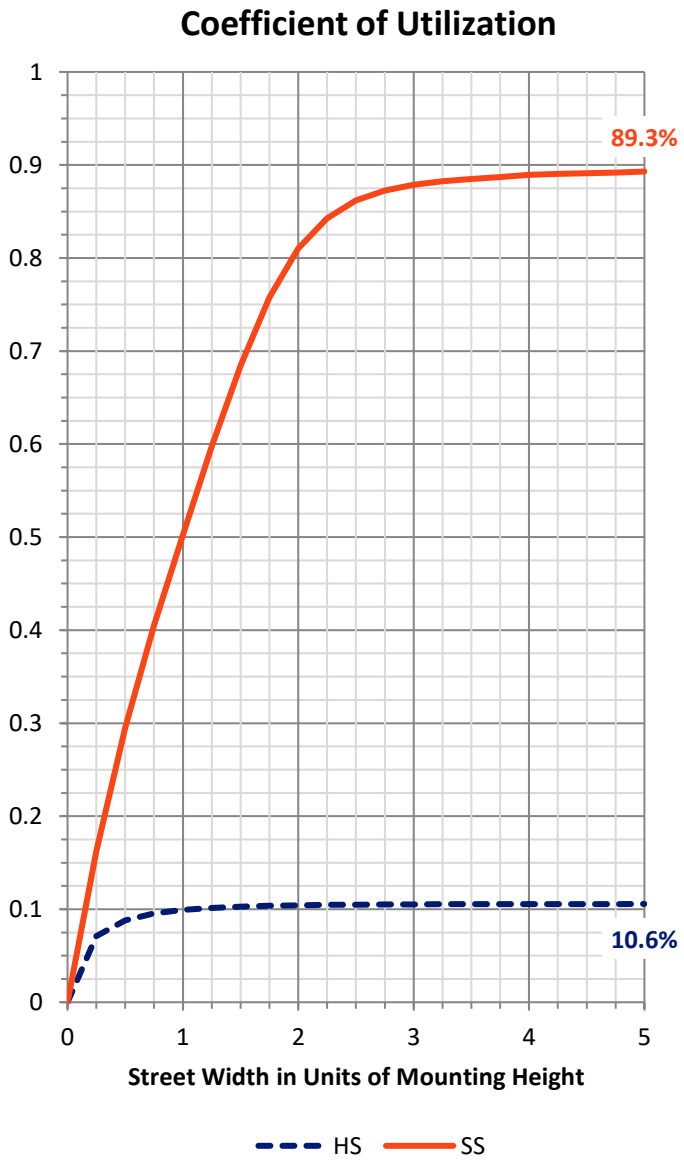
REPORT NUMBER: P1502730
CATALOG NUMBER: GSS-SB4B-840-U-T4LG-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1800.1	0.0	1800.1
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	15117.1	0.0	15117.1
	% Fixture	89.4	0.0	89.4
Total	Lumens	16917.2	0.0	16917.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.3	2.2
10°-20°	815.3	4.8
20°-30°	1314.0	7.8
30°-40°	2185.9	12.9
40°-50°	3454.9	20.4
50°-60°	4641.6	27.4
60°-70°	3407.4	20.1
70°-80°	674.4	4.0
80°-90°	58.6	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°	16917.2	100.0
0°-180°	16917.2	100.0



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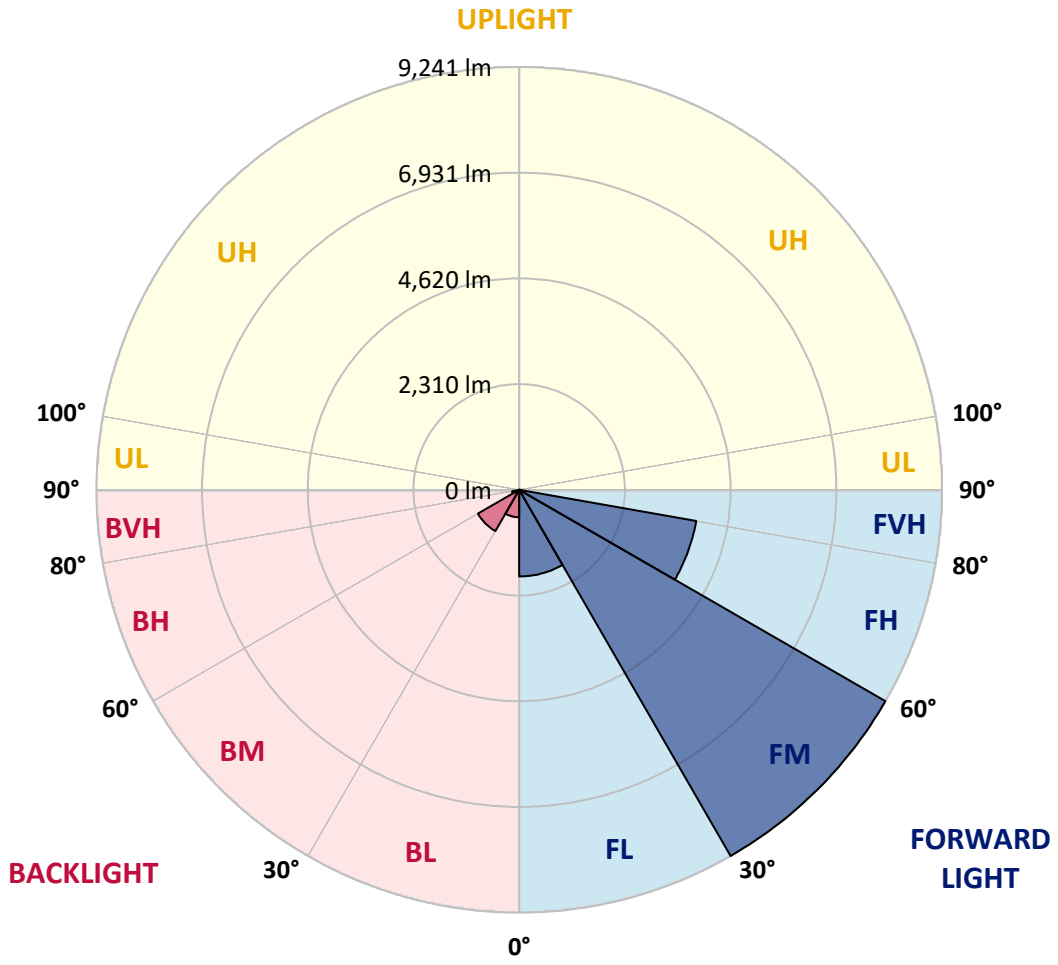
Scaled Data Report

REPORT NUMBER: P1502730
CATALOG NUMBER: GSS-SB4B-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°)	1894.0	11.2			
FM	(30°-60°)	9241.0	54.6			
FH	(60°-80°)	3928.0	23.2			G2/5000
FVH	(80°-90°)	54.2	0.3			G1/100
BL	(0°-30°)	600.6	3.6	B2/1000		
BM	(30°-60°)	1041.3	6.2	B2/2500		
BH	(60°-80°)	153.8	0.9	B1/500		G1/500
BVH	(80°-90°)	4.4	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°	33°	35°	45°	55°	65°	75°	85°
0°	4297.2	4297.2	4297.2	4297.2	*4297.2*	4297.2	4297.2	4297.2	4297.2	4297.2	4297.2
2.5°	4578.2	4597.3	4597.3	4559.2	*4549.7*	4530.6	4511.6	4506.8	4444.9	4397.2	4349.6
5°	4811.7	4806.9	4802.2	4783.1	*4787.9*	4764.0	4749.8	4725.9	4621.1	4549.7	4421.0
7.5°	4711.6	4754.5	4773.6	4826.0	*4849.8*	4845.0	4883.1	4892.7	4802.2	4702.1	4506.8
10°	4059.0	4035.1	4206.7	4430.6	*4654.5*	4706.9	4911.7	5021.3	4988.0	4897.4	4644.9
12.5°	3215.7	3239.6	3358.7	3620.7	*3987.5*	4101.8	4692.6	5126.1	5221.4	5164.2	4835.5
15°	2944.2	2944.2	3006.1	3130.0	*3349.1*	3458.7	4187.6	5111.8	5469.1	5473.9	5073.7
17.5°	2887.0	2896.5	2948.9	3029.9	*3172.9*	3220.5	3730.2	4902.2	5712.1	5797.8	5340.5
20°	2896.5	2910.8	2968.0	3082.3	*3220.5*	3277.7	3611.1	4635.4	5916.9	6150.4	5621.6
22.5°	2929.9	2925.1	3025.2	3177.6	*3353.9*	3406.3	3711.2	4525.8	6088.4	6555.3	5950.3
25°	2968.0	2972.8	3101.4	3315.8	*3530.2*	3592.1	3935.1	4625.9	6212.3	6988.9	6283.8
27.5°	3082.3	3096.6	3253.8	3487.3	*3739.8*	3820.8	4225.7	4887.9	6426.7	7408.1	6645.8
30°	3258.6	3272.9	3453.9	3735.0	*4006.6*	4130.4	4587.8	5216.6	6745.9	7894.0	7017.4
32.5°	3463.5	3482.5	3716.0	4039.9	*4368.6*	4487.7	5002.2	5716.9	7169.9	8389.5	7403.3
35°	3720.7	3773.1	4025.6	4411.5	*4854.6*	4968.9	5512.0	6283.8	7722.5	8832.5	7732.0
37.5°	4073.3	4116.1	4425.8	4907.0	*5354.8*	5507.2	6083.7	6879.3	8222.7	9228.0	7998.8
40°	4502.0	4540.1	4887.9	5412.0	*5878.8*	6007.5	6684.0	7479.6	8761.1	9447.1	8056.0
42.5°	5216.6	5321.4	5540.6	5983.6	*6483.9*	6645.8	7350.9	8060.8	9151.7	9490.0	7965.5
45°	6464.8	6498.2	6545.8	6755.4	*7236.6*	7379.5	8056.0	8565.8	9385.2	9499.5	7884.5
47.5°	7660.6	7774.9	7841.6	7936.9	*8227.5*	8279.9	8794.4	9018.3	9571.0	9466.2	7884.5
50°	8856.4	8942.1	9056.5	9170.8	*9480.5*	9499.5	9575.7	9323.2	9580.5	9194.6	7836.9
52.5°	9942.6	9971.1	10166.5	10385.6	*10771.5*	10876.3	10299.9	9547.1	9004.0	8337.1	7612.9
55°	10914.4	10952.5	11247.9	11695.7	*12248.4*	12386.5	11186.0	9113.6	7770.2	7227.1	7093.7
57.5°	11543.3	11633.8	12224.5	13210.7	*13834.8*	13772.9	11872.0	8098.9	6240.9	5912.2	6174.2
60°	11228.9	11352.7	12596.1	14482.7	*15592.7*	15411.7	11681.4	6664.9	4611.6	4373.4	4887.9
62.5°	*9461.4*	*9690.1*	*11228.9*	*14859.1*	*16802.8*	*16774.2*	*10604.8*	*4754.5*	*2858.4*	*2796.5*	*3087.1*
65°	6579.1	6974.6	8799.2	13601.3	*16316.9*	16359.7	8927.8	2767.9	1324.4	1643.6	1805.6
67.5°	3877.9	4159.0	5669.2	11105.0	*13691.9*	13296.5	6069.4	1281.5	662.2	1000.4	957.6
70°	1705.5	1896.1	3249.1	7693.9	*9975.9*	9337.5	2963.2	624.1	505.0	605.0	528.8
72.5°	938.5	1024.3	1710.3	4063.7	*6069.4*	5769.3	1000.4	414.5	433.5	452.6	381.1
75°	524.0	562.2	900.4	2348.7	*2667.9*	2482.1	485.9	271.6	366.8	366.8	281.1
77.5°	304.9	338.2	562.2	1462.6	*1462.6*	1181.5	295.4	171.5	276.3	247.7	152.4
80°	142.9	162.0	309.7	809.9	*924.2*	762.2	166.7	119.1	181.0	157.2	100.0
82.5°	42.9	52.4	152.4	314.4	*524.0*	447.8	85.8	76.2	133.4	100.0	57.2
85°	28.6	33.3	76.2	128.6	*257.3*	223.9	28.6	23.8	57.2	47.6	23.8
87.5°	4.8	4.8	9.5	9.5	*9.5*	9.5	4.8	4.8	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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Scaled Data Report

REPORT NUMBER: P1502730
CATALOG NUMBER: GSS-SB4B-840-U-T4LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4297.2	4297.2	4297.2	4297.2	4297.2	4297.2	4297.2	4297.2	4297.2	4297.2	4297.2
2.5°	4321.0	4287.6	4211.4	4140.0	4101.8	4016.1	3982.7	3944.6	3925.6	3920.8	3892.2
5°	4340.0	4278.1	4087.6	3897.0	3696.9	3506.3	3311.0	3139.5	3001.3	3006.1	3010.9
7.5°	4397.2	4273.3	3939.9	3558.7	3130.0	2634.5	2105.7	1710.3	1457.8	1405.4	1357.8
10°	4473.4	4292.4	3758.8	3053.8	2210.5	1391.1	981.4	838.5	776.5	762.2	767.0
12.5°	4616.4	4340.0	3530.2	2358.2	1224.4	800.4	709.8	686.0	676.5	676.5	676.5
15°	4792.6	4406.7	3172.9	1543.6	800.4	667.0	647.9	643.1	633.6	633.6	638.4
17.5°	4940.3	4406.7	2701.2	1005.2	657.4	619.3	605.0	600.3	600.3	605.0	600.3
20°	5102.3	4373.4	2172.4	757.5	609.8	576.4	566.9	566.9	566.9	571.7	571.7
22.5°	5269.0	4316.2	1681.7	647.9	566.9	538.3	533.6	538.3	543.1	547.9	547.9
25°	5454.8	4244.8	1329.2	600.3	528.8	505.0	505.0	505.0	509.8	519.3	524.0
27.5°	5659.7	4182.8	1138.6	571.7	495.5	471.6	471.6	476.4	485.9	490.7	495.5
30°	5850.2	4182.8	1076.7	586.0	481.2	452.6	443.1	447.8	457.3	466.9	466.9
32.5°	6088.4	4230.5	1110.0	647.9	476.4	424.0	414.5	414.5	424.0	428.8	428.8
35°	6288.5	4321.0	1224.4	733.7	495.5	400.2	381.1	376.4	385.9	381.1	385.9
37.5°	6450.5	4444.9	1434.0	848.0	533.6	371.6	347.8	333.5	333.5	333.5	333.5
40°	6498.2	4568.7	1700.8	924.2	528.8	338.2	304.9	290.6	285.8	281.1	281.1
42.5°	6431.5	4625.9	1915.1	919.5	471.6	314.4	271.6	252.5	238.2	233.4	233.4
45°	6379.1	4654.5	1991.4	800.4	428.8	285.8	243.0	219.1	204.9	200.1	195.3
47.5°	6383.8	4683.1	1877.0	652.7	390.7	262.0	219.1	195.3	181.0	176.3	171.5
50°	6402.9	4635.4	1591.2	543.1	357.3	238.2	195.3	176.3	162.0	157.2	152.4
52.5°	6202.8	4382.9	1119.6	476.4	328.7	223.9	176.3	162.0	147.7	142.9	142.9
55°	5678.7	3777.9	757.5	424.0	304.9	204.9	162.0	152.4	138.2	128.6	128.6
57.5°	4840.3	2848.9	524.0	385.9	266.8	185.8	152.4	138.2	123.9	114.3	114.3
60°	3701.7	1858.0	381.1	352.5	219.1	171.5	142.9	133.4	114.3	104.8	100.0
62.5°	*2253.4*	*1043.3*	*309.7*	*309.7*	*185.8*	*162.0*	*128.6*	*119.1*	*100.0*	*85.8*	*81.0*
65°	1305.3	614.6	252.5	262.0	162.0	147.7	114.3	100.0	81.0	66.7	61.9
67.5°	628.9	357.3	200.1	185.8	142.9	123.9	100.0	85.8	71.5	57.2	52.4
70°	385.9	276.3	152.4	133.4	114.3	95.3	81.0	76.2	61.9	47.6	47.6
72.5°	314.4	223.9	119.1	95.3	85.8	66.7	66.7	61.9	47.6	38.1	33.3
75°	247.7	166.7	90.5	66.7	52.4	52.4	47.6	42.9	38.1	28.6	28.6
77.5°	133.4	114.3	66.7	38.1	28.6	33.3	33.3	28.6	23.8	19.1	19.1
80°	85.8	66.7	38.1	19.1	19.1	19.1	19.1	14.3	14.3	9.5	9.5
82.5°	42.9	33.3	19.1	4.8	9.5	9.5	9.5	9.5	9.5	4.8	4.8
85°	9.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8
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

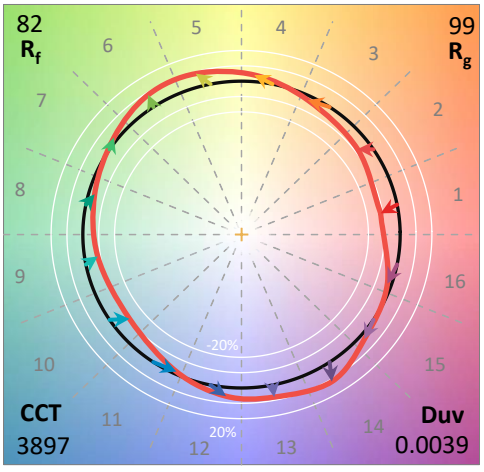
Test Information

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

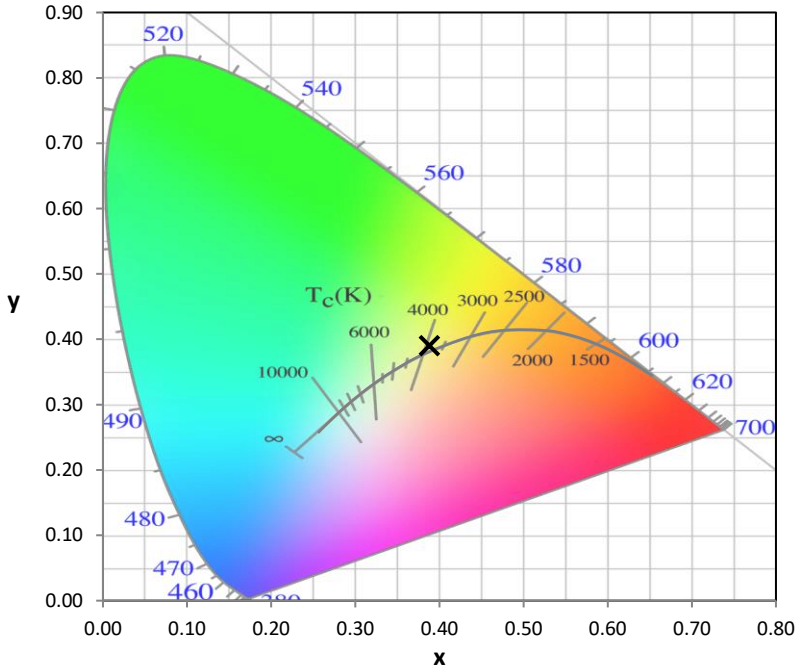
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

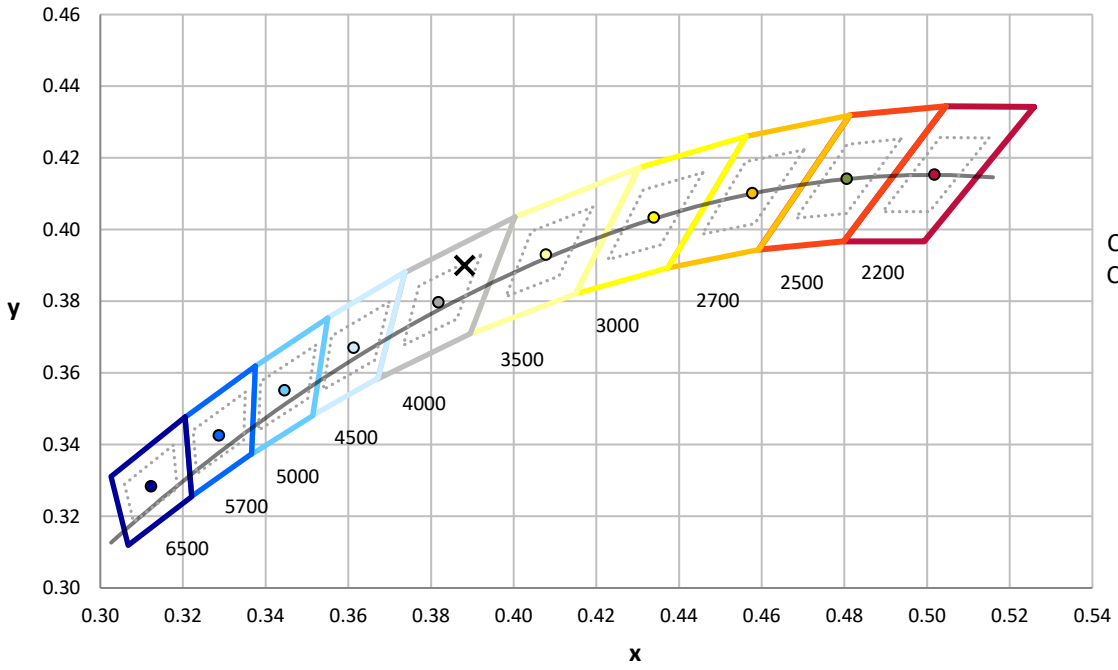
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

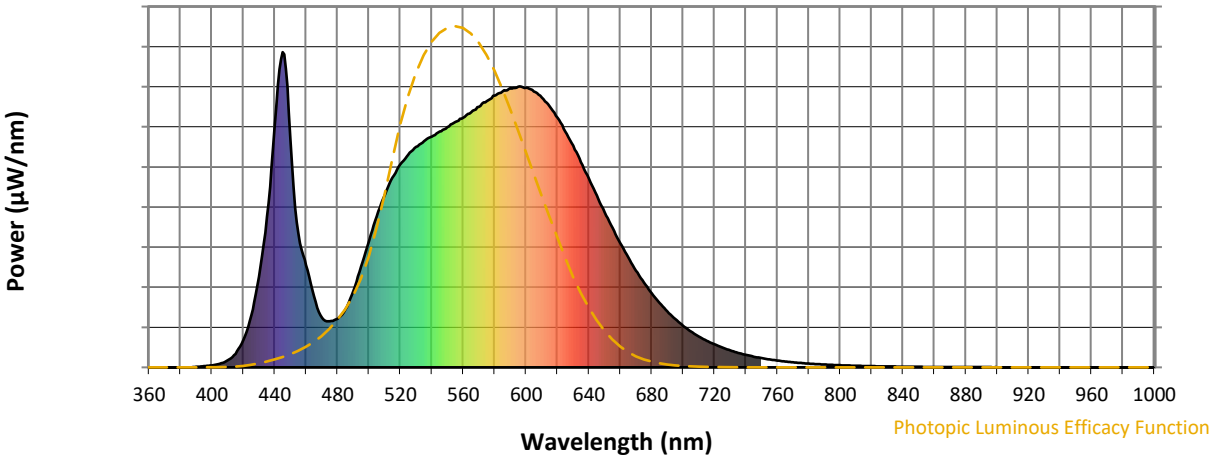


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

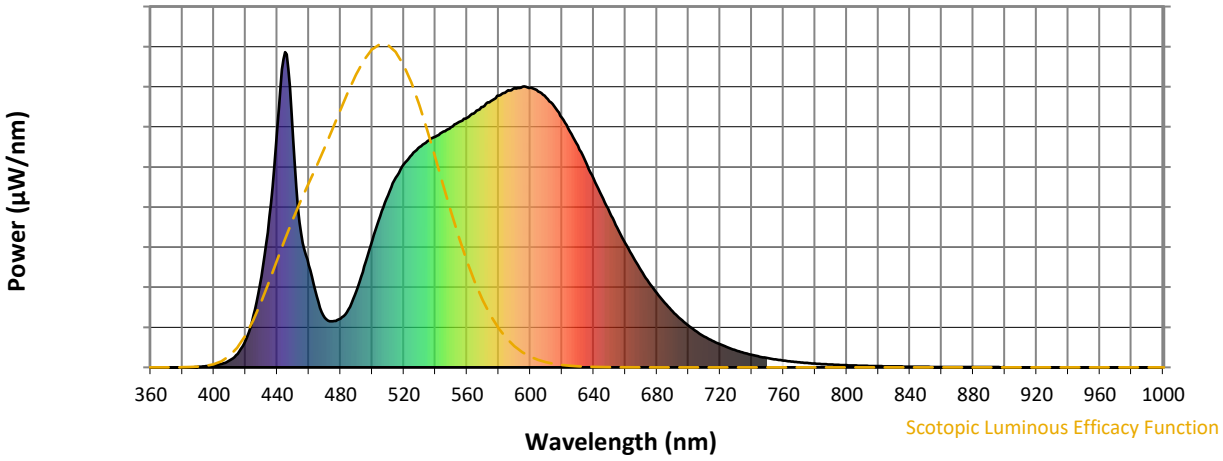


Photopic Lumens: NR

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

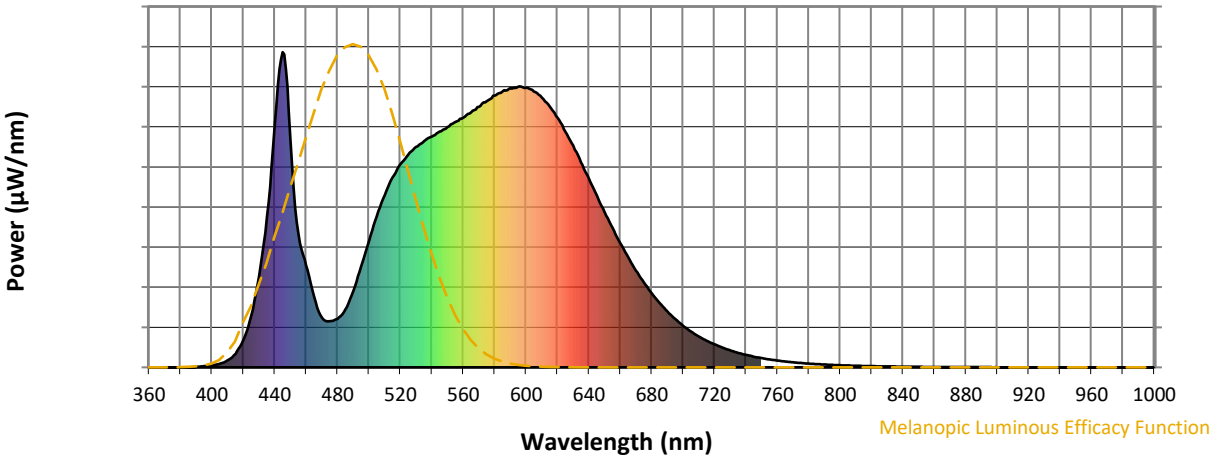


Scotopic Lumens: NR **S/P: 1.57**

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			

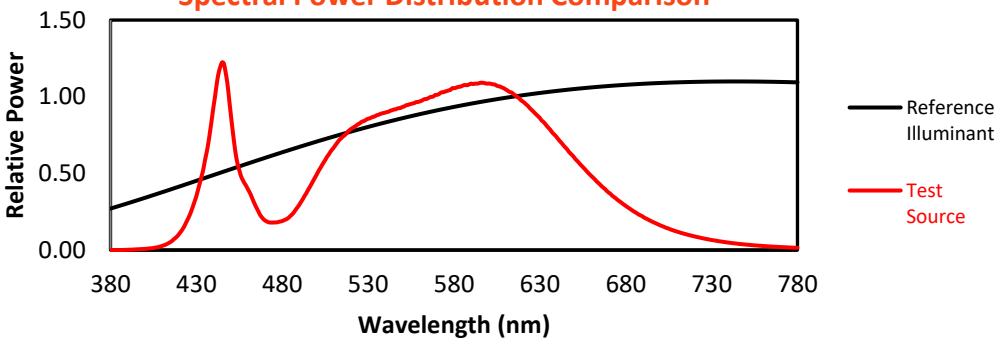
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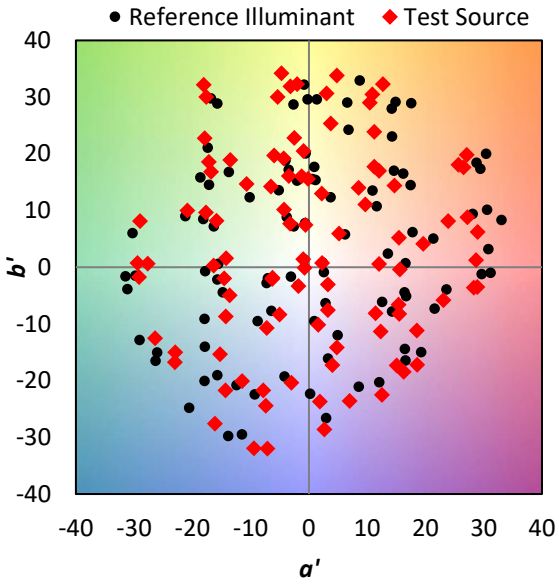
Summary

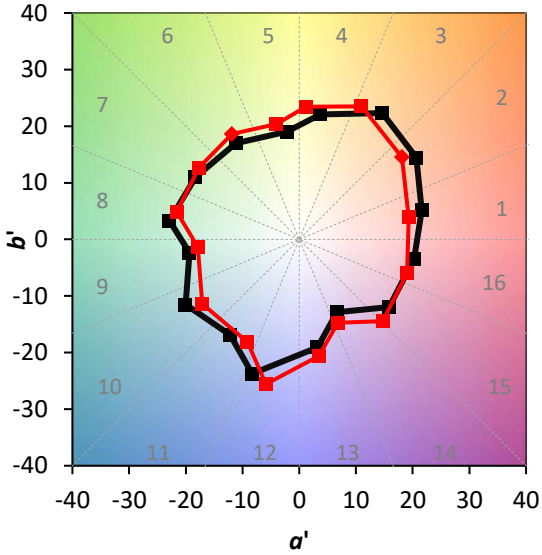
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

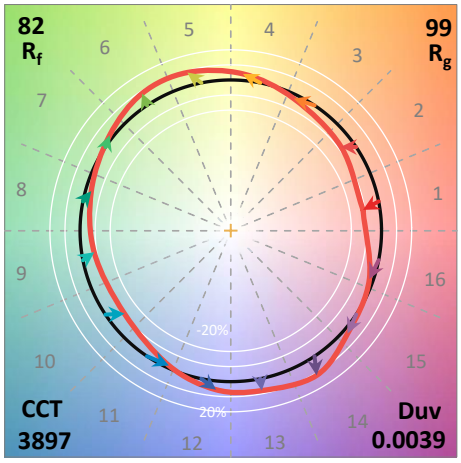
Spectral Power Distribution Comparison

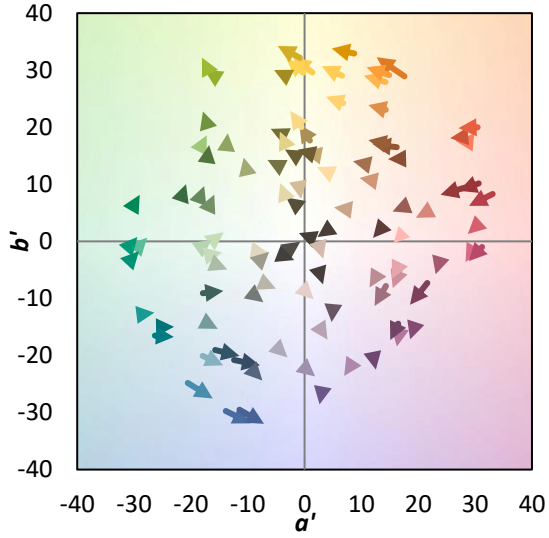


Color Vector Graphics







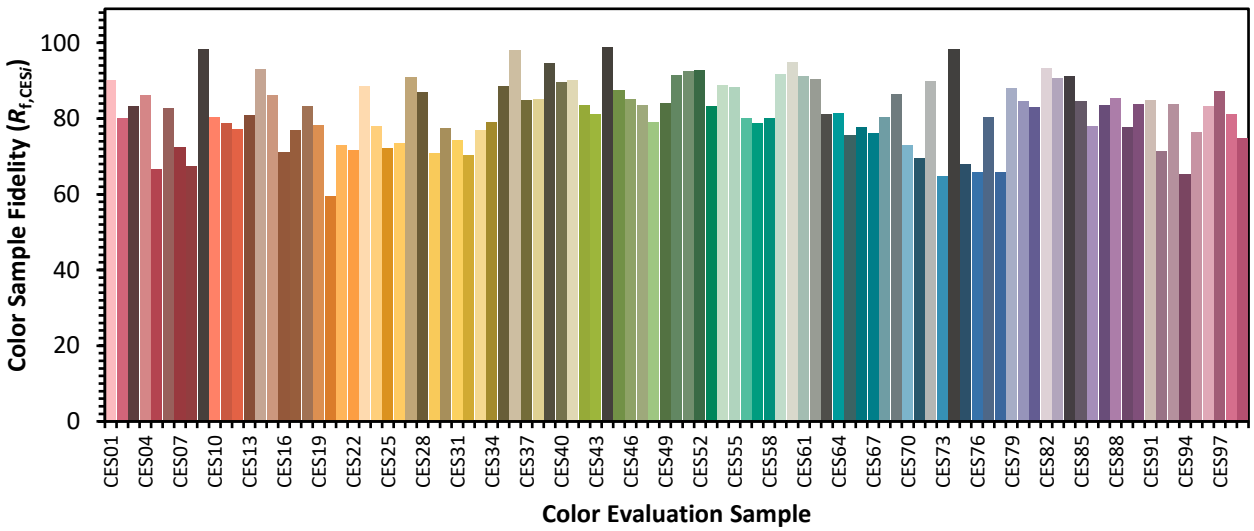


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Individual Sample Fidelity Index ($R_{f,i}$)

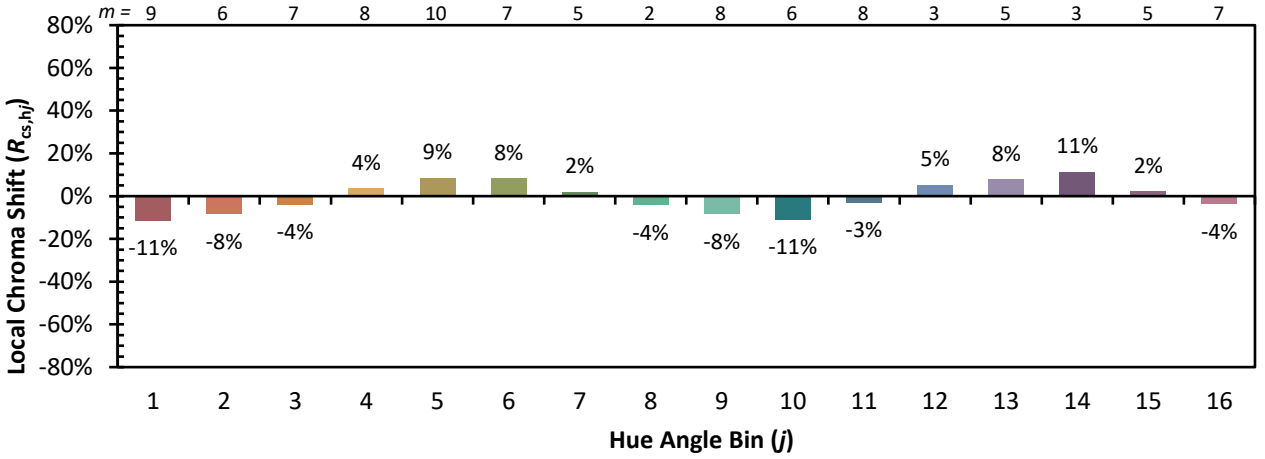
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82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

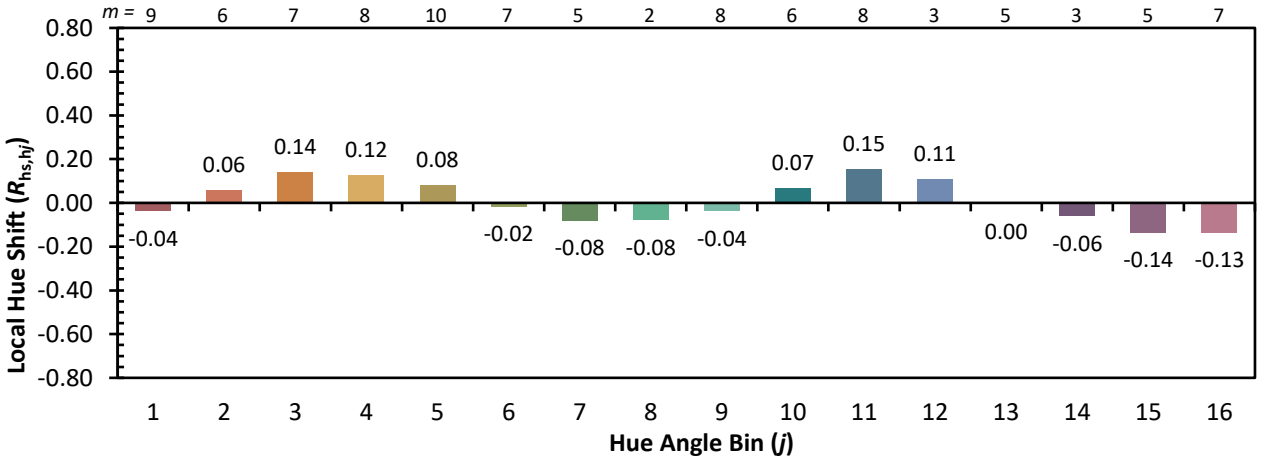


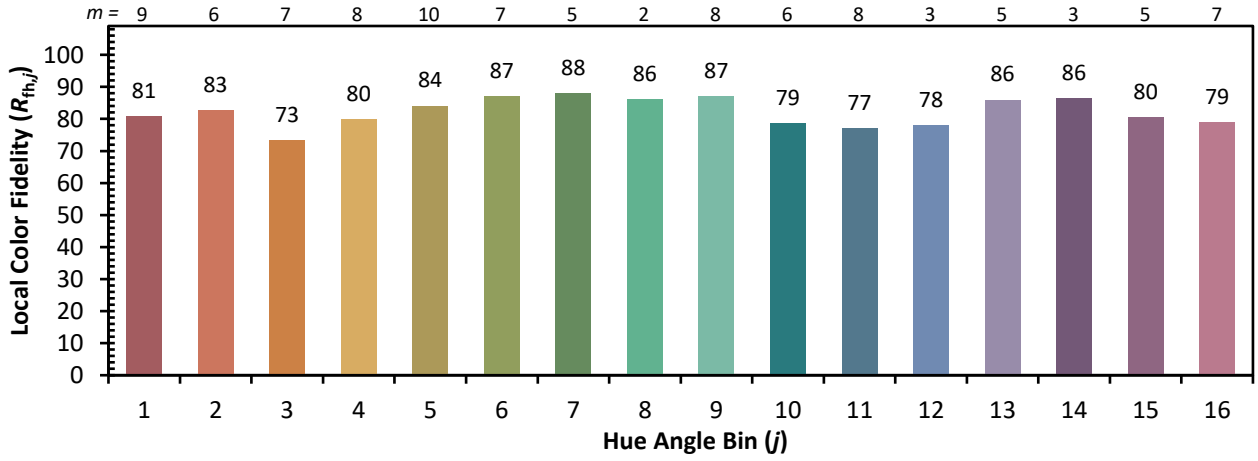
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Color Rendition by Hue-Angle Bin



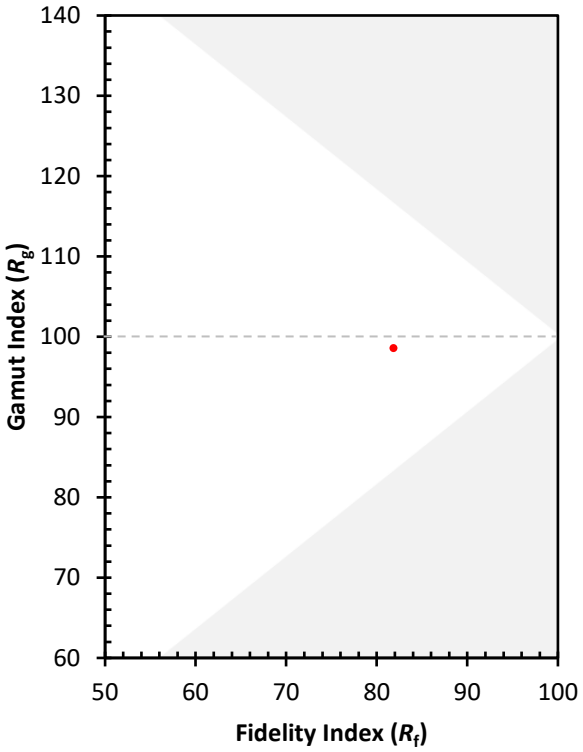


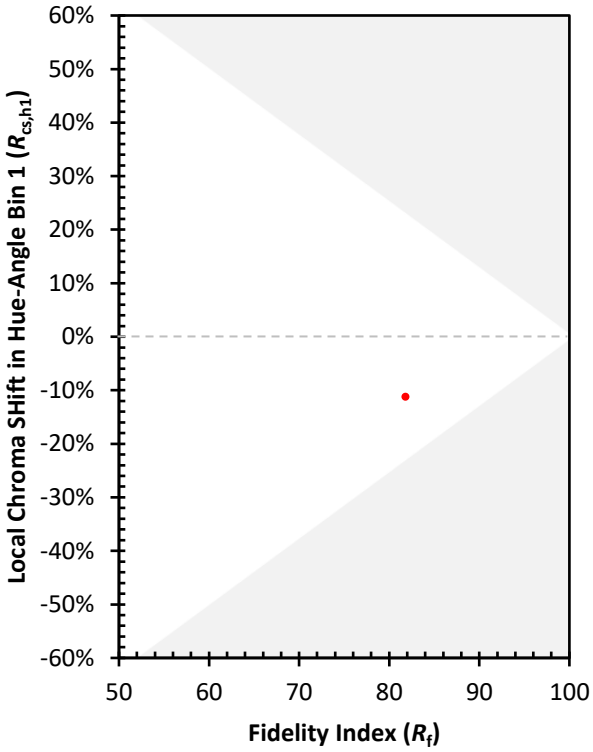


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Measure Comparisons





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