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: STREETWORKS

Report Number: P1458434

Luminaire Tested: GLAN-SB4D-840-U-T3LG-HSS

Issue Date: 05/20/2026

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:	P1458434
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	5/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB4D-840-U-T3LG-HSS
Description:	GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 900mA 4xLight Square PACKAGE 80CRI 4000K FIXTURE w/ TYPE III LOW GLARE WITH HOUSE SIDE SHIELD
Light Source:	(104) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29812.4 lumens
Efficiency:	N/A
Efficacy:	101.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	293.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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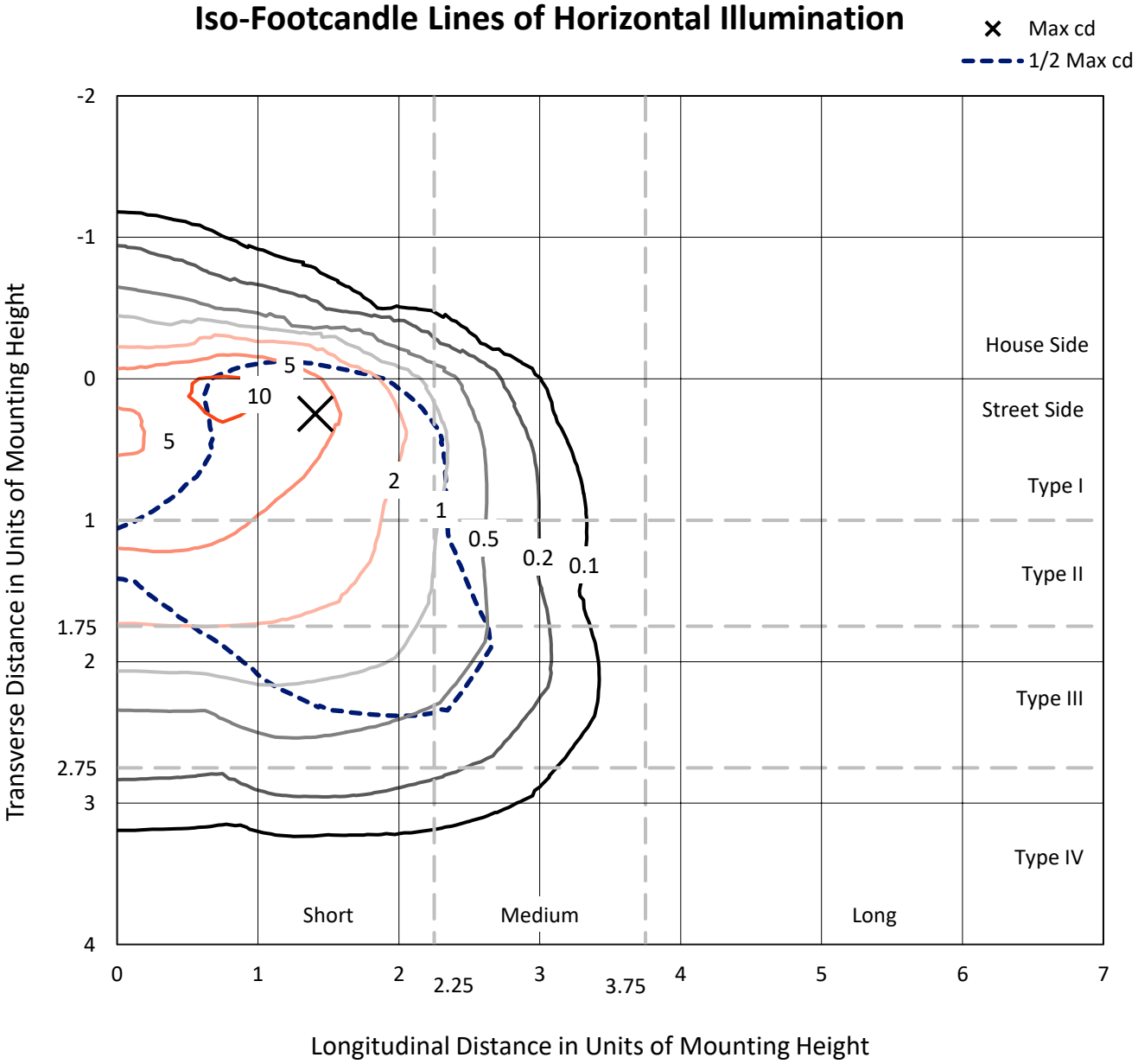
REPORT NUMBER: P1458434
CATALOG NUMBER: GLAN-SB4D-840-U-T3LG-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
Type III - Short - N/A

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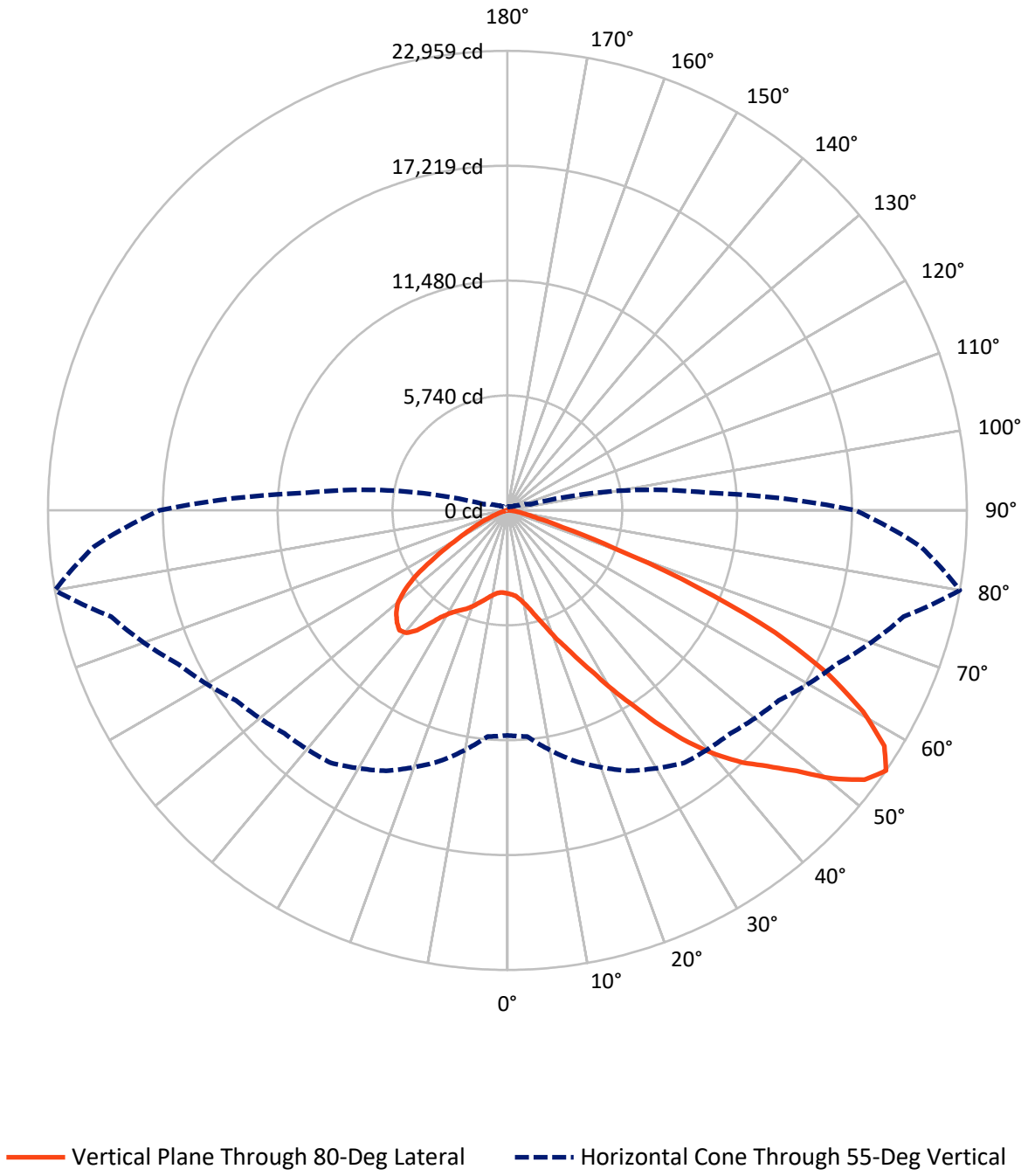
Luminous Intensity Polar Plot



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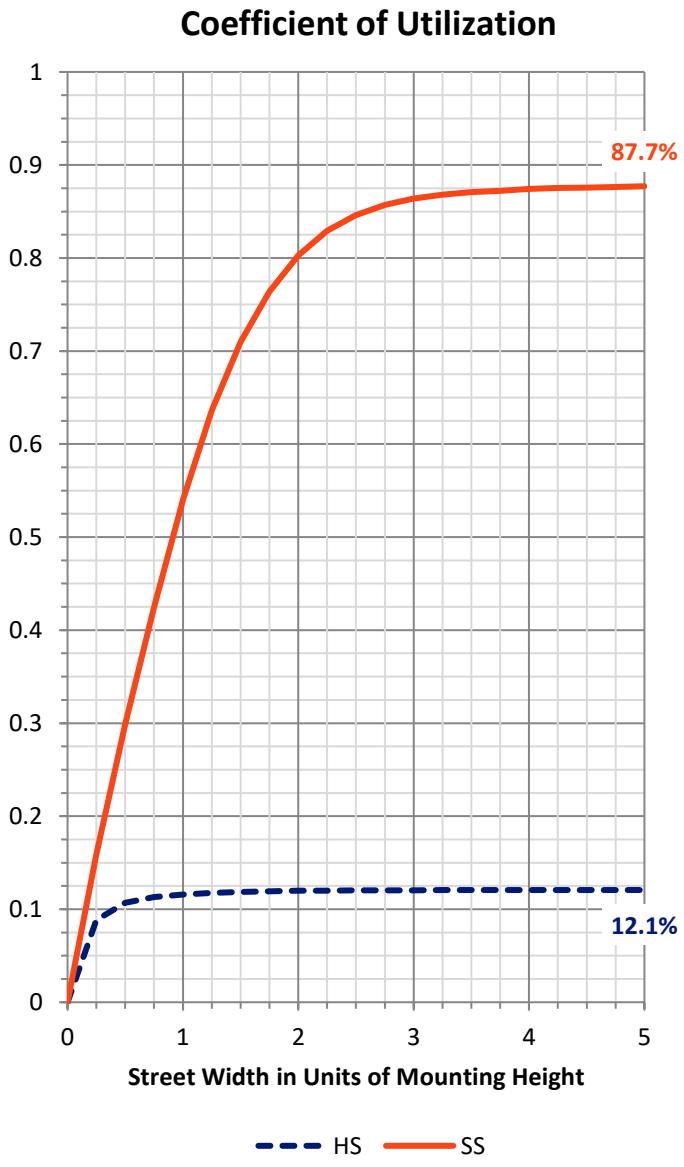
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3624.0	0.0	3624.0
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	26188.3	0.0	26188.3
	% Fixture	87.8	0.0	87.8
Total	Lumens	29812.4	0.0	29812.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.5	1.2
10°-20°	918.8	3.1
20°-30°	1798.7	6.0
30°-40°	3659.4	12.3
40°-50°	6169.2	20.7
50°-60°	7882.3	26.4
60°-70°	6729.7	22.6
70°-80°	2150.5	7.2
80°-90°	155.3	0.5
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°	29812.4	100.0
0°-180°	29812.4	100.0



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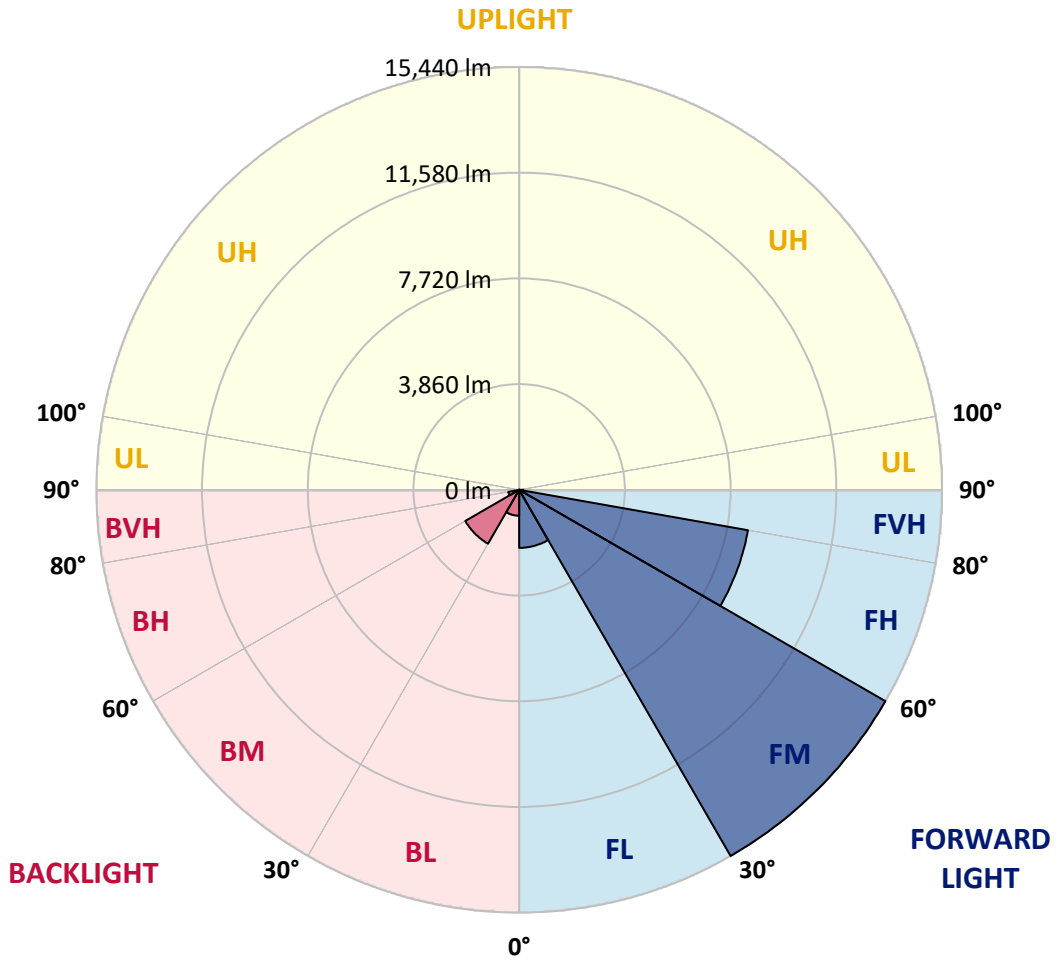
CATALOG NUMBER: GLAN-SB4D-840-U-T3LG-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2119.7	7.1			
FM	(30°-60°)	15439.6	51.8			
FH	(60°-80°)	8481.9	28.5			G4/12000
FVH	(80°-90°)	147.2	0.5			G2/225
BL	(0°-30°)	946.3	3.2	B2/1000		
BM	(30°-60°)	2271.3	7.6	B2/2500		
BH	(60°-80°)	398.3	1.3	B1/500		G1/500
BVH	(80°-90°)	8.1	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-G4
Type III Short



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REPORT NUMBER: P1458434
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	*4152.8*	4152.8
2.5°	4178.2	4186.7	4178.2	4186.7	4203.7	4195.2	4229.1	4220.6	4220.6	*4212.1*	4178.2
5°	3940.9	3949.4	3966.4	4008.7	4068.1	4127.4	4203.7	4254.5	4305.4	*4296.9*	4263.0
7.5°	3474.8	3491.8	3559.6	3644.3	3839.2	4017.2	4212.1	4339.3	4449.4	*4483.3*	4457.9
10°	3212.1	3229.0	3271.4	3356.2	3534.1	3830.8	4212.1	4474.9	4669.8	*4737.6*	4746.1
12.5°	3186.7	3195.1	3229.0	3322.3	3474.8	3729.1	4203.7	4652.8	4983.4	*5085.1*	5119.0
15°	3203.6	3220.6	3254.5	3330.7	3508.7	3796.9	4271.5	4932.5	5398.7	*5542.7*	5551.2
17.5°	3271.4	3288.4	3330.7	3415.5	3610.4	3974.8	4483.3	5220.7	5898.7	*6059.7*	6152.9
20°	3407.0	3415.5	3466.3	3576.5	3796.9	4195.2	4796.9	5610.5	6500.4	*6737.7*	6805.5
22.5°	3585.0	3610.4	3678.2	3813.8	4093.5	4500.3	5229.2	6085.1	7161.5	*7407.3*	7525.9
25°	3779.9	3813.8	3915.5	4135.9	4491.8	4966.4	5763.1	6712.3	7941.2	*8237.8*	8398.9
27.5°	4178.2	4186.7	4254.5	4534.2	4991.9	5576.6	6441.1	7517.4	8856.5	*9204.0*	9382.0
30°	5051.2	5059.7	5000.3	5076.6	5542.7	6297.0	7237.8	8458.2	9924.4	*10407.5*	10551.5
32.5°	6119.0	6161.4	6152.9	6102.1	6314.0	7017.4	8187.0	9585.4	11178.7	*11687.2*	11822.8
35°	7331.0	7432.7	7407.3	7390.3	7415.7	7941.2	9271.8	10831.2	12602.5	*13221.2*	13331.4
37.5°	8517.5	8542.9	8661.6	8805.7	8822.6	9187.0	10526.1	12153.3	13924.6	*14712.8*	14882.3
40°	9432.8	9517.6	9814.2	10102.4	10399.0	10687.1	11560.1	13221.2	14975.6	*16035.0*	16111.2
42.5°	10144.7	10348.1	10780.4	11229.6	11831.3	12153.3	12543.2	13975.5	15831.5	*17213.0*	17179.1
45°	11009.2	11094.0	11704.2	12297.4	12907.6	13399.2	13390.7	14611.1	16501.1	*18221.5*	18009.7
47.5°	11594.0	11695.7	12526.2	13221.2	13848.4	14094.1	14145.0	15297.6	17424.9	*19442.0*	18941.9
50°	11907.6	12085.5	12992.4	13873.8	14551.8	14628.1	14856.9	16196.0	18636.8	*21060.7*	20120.0
52.5°	11941.5	12111.0	13153.4	14289.1	15026.4	15179.0	15568.8	17213.0	19814.9	*22357.4*	20798.0
55°	*11238.0*	*11339.7*	*12958.5*	*14356.9*	*15399.3*	*15755.3*	*16551.9*	*18153.7*	*20501.3*	*22959.1*	*20738.7*
57.5°	10577.0	10678.7	12085.5	14238.2	15780.7	16509.6	17602.9	18797.8	19967.4	*22213.3*	19416.5
60°	10009.1	10060.0	11339.7	13687.3	15924.8	17246.9	18509.7	18162.2	18586.0	*20425.1*	17153.7
62.5°	8941.3	8975.2	10492.2	12695.8	15636.6	17814.7	18823.3	16814.7	17068.9	*17958.8*	14492.5
65°	6754.7	6881.8	8271.7	11949.9	15162.0	18077.5	18094.4	15170.5	14907.8	*14695.9*	11399.1
67.5°	4585.0	4729.1	5568.2	10746.5	14390.8	18187.6	16679.1	13043.2	11356.7	*10263.4*	7466.6
70°	3661.3	3661.3	3949.4	8636.2	12560.1	16780.8	14924.7	9848.1	7212.3	*5669.9*	4000.3
72.5°	2406.9	2415.4	2686.6	5483.4	8907.4	12797.5	12170.3	5695.3	3746.0	*2890.0*	1974.7
75°	872.9	872.9	1178.0	2195.1	4712.2	7619.1	7415.7	2720.5	2034.0	*1576.4*	1195.0
77.5°	466.1	483.1	567.8	906.8	1805.2	3101.9	2898.5	1389.9	1152.6	*983.1*	745.8
80°	313.6	322.1	381.4	559.4	872.9	1195.0	932.3	779.7	779.7	*661.1*	500.0
82.5°	169.5	178.0	254.3	364.4	466.1	559.4	449.2	457.7	550.9	*449.2*	288.2
85°	118.7	118.7	194.9	262.7	262.7	271.2	194.9	288.2	322.1	*279.7*	194.9
87.5°	67.8	67.8	110.2	127.1	127.1	118.7	59.3	101.7	127.1	*144.1*	84.8
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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Scaled Data Report

REPORT NUMBER: P1458434
CATALOG NUMBER: GLAN-SB4D-840-U-T3LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8	4152.8
2.5°	4169.8	4144.3	4093.5	3991.8	3940.9	3873.1	3813.8	3737.5	3720.6	3712.1	3678.2
5°	4237.6	4186.7	4034.2	3813.8	3627.4	3449.4	3271.4	3169.7	3084.9	3042.6	3034.1
7.5°	4407.1	4305.4	4025.7	3635.8	3288.4	2983.2	2720.5	2491.7	2373.0	2271.3	2279.8
10°	4661.3	4500.3	4042.6	3466.3	2949.3	2457.8	2076.4	1745.9	1508.6	1398.4	1389.9
12.5°	5000.3	4771.5	4102.0	3296.8	2534.1	1847.6	1364.5	1169.6	1118.7	1110.2	1101.8
15°	5415.6	5093.6	4161.3	3076.5	1974.7	1279.7	1110.2	1067.9	1059.4	1050.9	1050.9
17.5°	5915.6	5466.5	4195.2	2703.6	1440.8	1101.8	1042.4	1017.0	1008.5	1000.1	1000.1
20°	6542.8	5881.7	4237.6	2229.0	1220.4	1059.4	991.6	957.7	949.2	949.2	940.7
22.5°	7161.5	6347.9	4203.7	1813.7	1178.0	1008.5	932.3	898.4	881.4	881.4	872.9
25°	7873.4	6822.5	4102.0	1635.7	1169.6	966.2	872.9	822.1	796.7	788.2	788.2
27.5°	8687.0	7364.9	3940.9	1644.2	1169.6	932.3	796.7	728.9	711.9	695.0	695.0
30°	9619.3	8026.0	3822.3	1754.4	1186.5	898.4	728.9	644.1	618.7	601.7	610.2
32.5°	10687.1	8763.3	3813.8	1932.3	1211.9	847.5	652.6	559.4	533.9	525.5	533.9
35°	11899.1	9678.6	4008.7	2067.9	1144.1	737.3	559.4	483.1	457.7	457.7	466.1
37.5°	13246.6	10729.5	4271.5	2034.0	923.8	584.8	483.1	423.8	398.3	406.8	415.3
40°	14475.5	11551.6	4313.8	1737.4	695.0	500.0	415.3	372.9	356.0	364.4	372.9
42.5°	15407.8	12212.7	3907.0	1347.5	584.8	423.8	356.0	322.1	313.6	330.5	330.5
45°	16162.1	12475.4	3262.9	1000.1	517.0	364.4	313.6	296.6	279.7	288.2	288.2
47.5°	16950.3	12517.8	2661.2	805.1	457.7	330.5	288.2	271.2	254.3	254.3	254.3
50°	17713.0	12416.1	2034.0	711.9	423.8	296.6	262.7	245.8	228.8	220.4	220.4
52.5°	17899.5	11602.5	1491.6	661.1	389.9	279.7	245.8	228.8	211.9	203.4	203.4
55°	*17382.5*	*10060.0*	*1169.6*	*593.3*	*356.0*	*254.3*	*228.8*	*211.9*	*186.5*	*178.0*	*178.0*
57.5°	15679.0	7670.0	932.3	508.5	322.1	245.8	211.9	194.9	169.5	161.0	161.0
60°	13467.0	5441.0	754.3	415.3	296.6	220.4	194.9	169.5	152.6	135.6	135.6
62.5°	11017.7	3907.0	610.2	347.5	279.7	194.9	178.0	152.6	118.7	93.2	93.2
65°	8449.7	2805.3	474.6	279.7	254.3	169.5	152.6	127.1	93.2	67.8	67.8
67.5°	5466.5	1813.7	356.0	245.8	194.9	144.1	118.7	101.7	84.8	59.3	50.9
70°	2881.5	1059.4	262.7	211.9	144.1	110.2	101.7	84.8	67.8	42.4	42.4
72.5°	1491.6	695.0	194.9	186.5	110.2	76.3	84.8	67.8	50.9	25.4	25.4
75°	957.7	466.1	144.1	152.6	67.8	59.3	59.3	42.4	25.4	17.0	8.5
77.5°	618.7	313.6	101.7	127.1	42.4	33.9	33.9	17.0	8.5	0.0	0.0
80°	364.4	194.9	67.8	84.8	17.0	17.0	8.5	0.0	0.0	0.0	0.0
82.5°	186.5	101.7	33.9	33.9	8.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	118.7	50.9	8.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	59.3	17.0	8.5	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

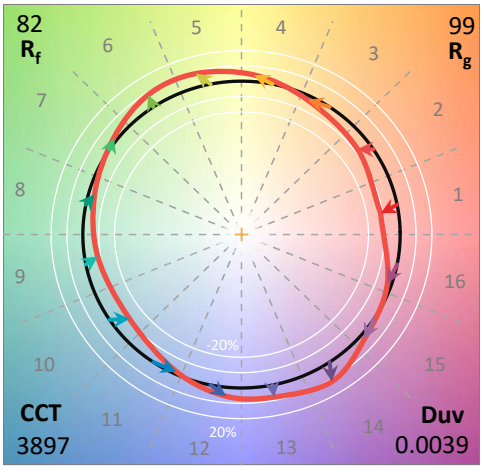
Test Information

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

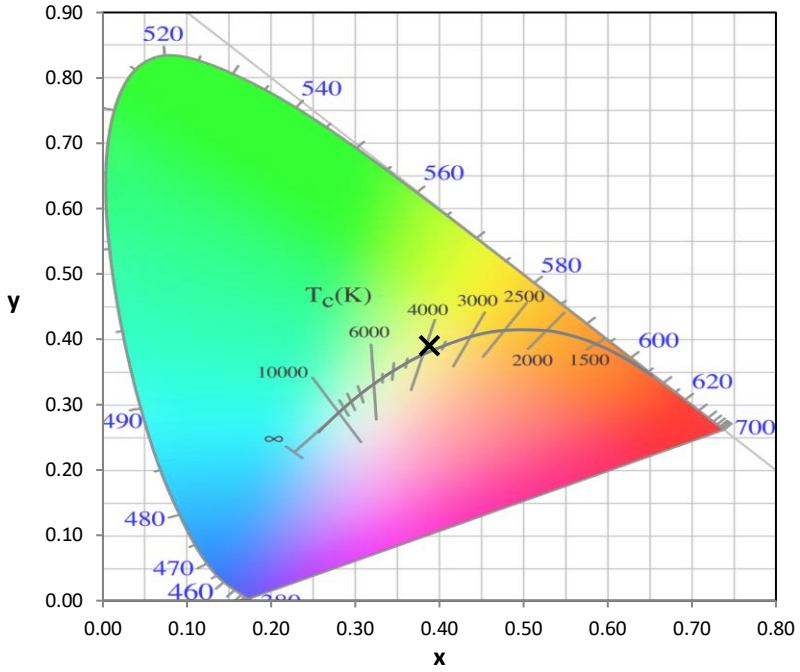
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

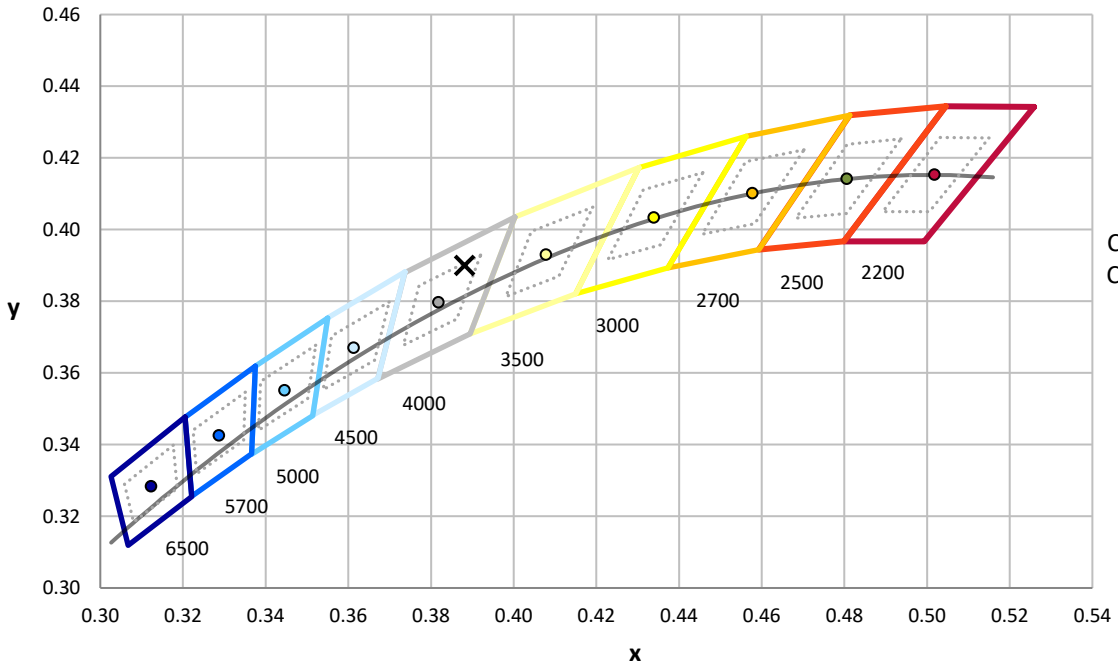
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

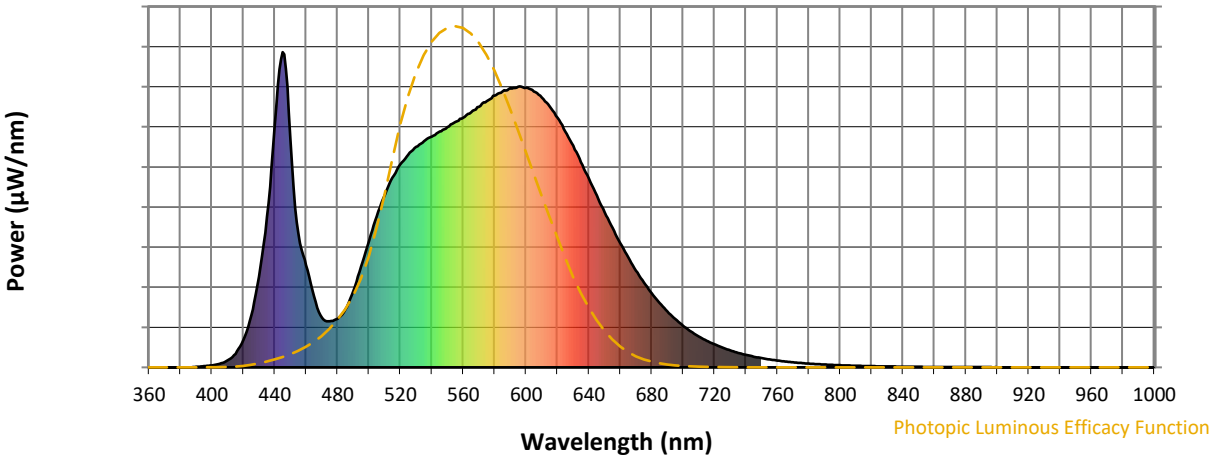


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

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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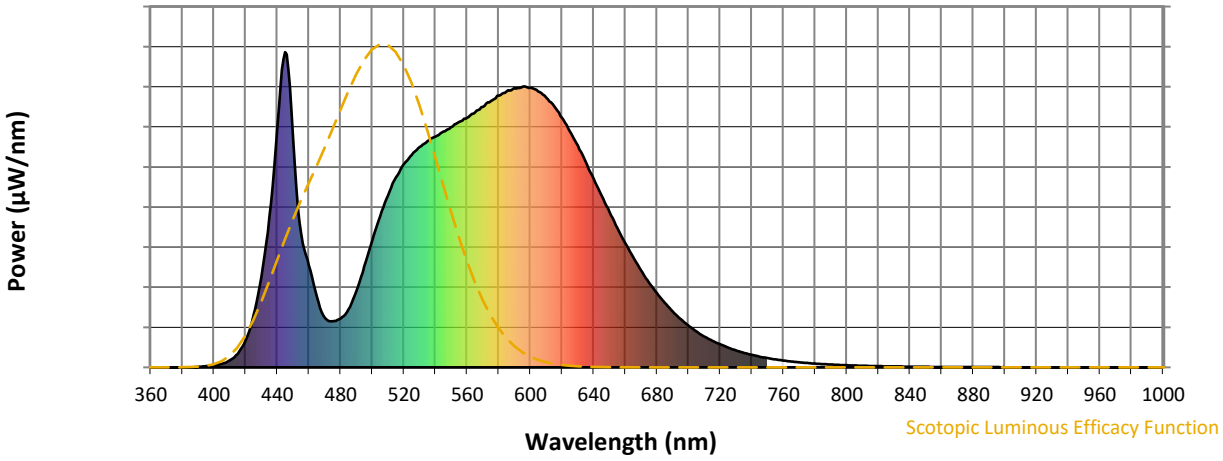
Scotopic Flux vs. Wavelength



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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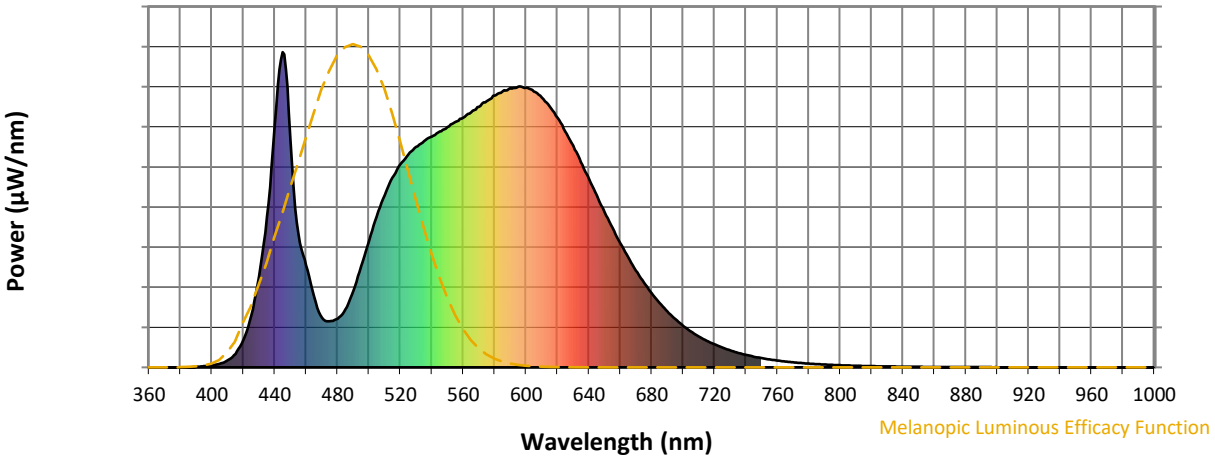
Melanopic Flux vs. Wavelength



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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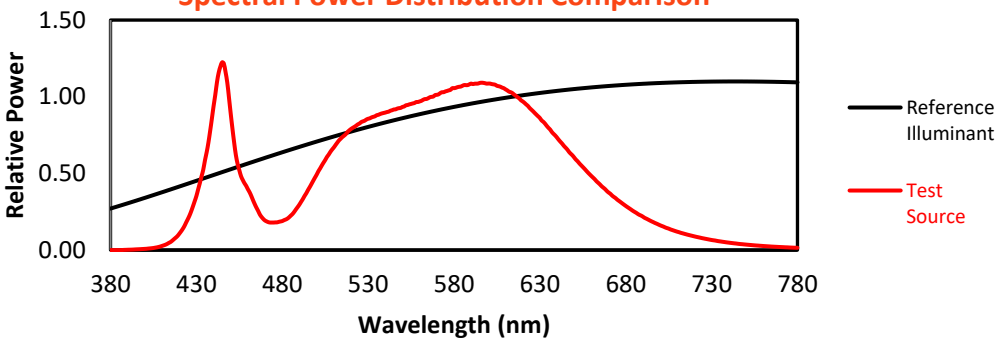
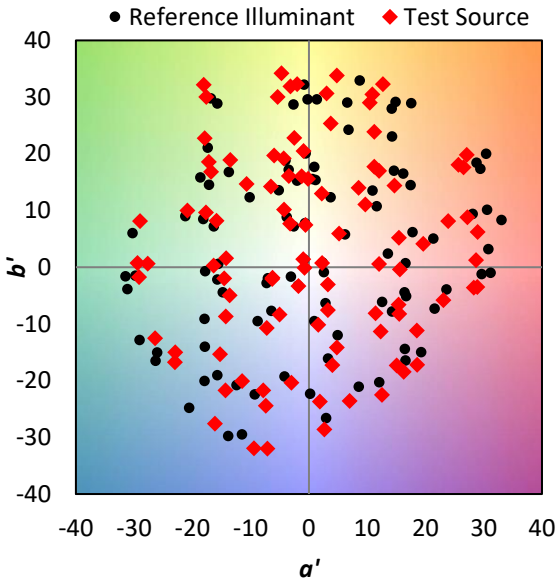
Summary

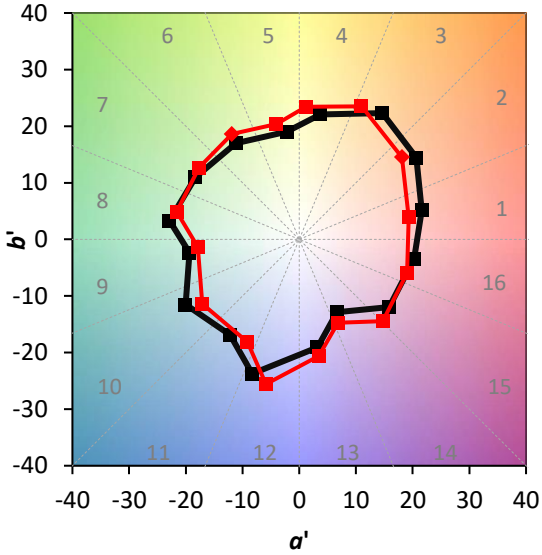
R_f = 81.8
R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

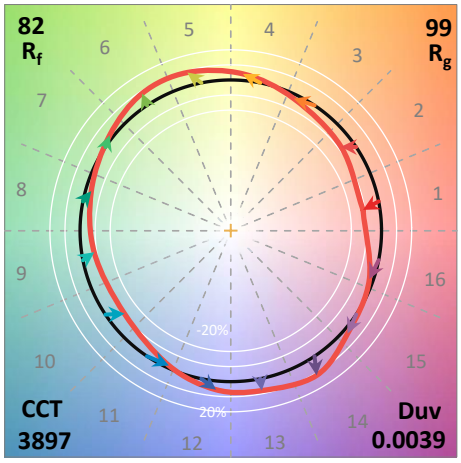
Spectral Power Distribution Comparison

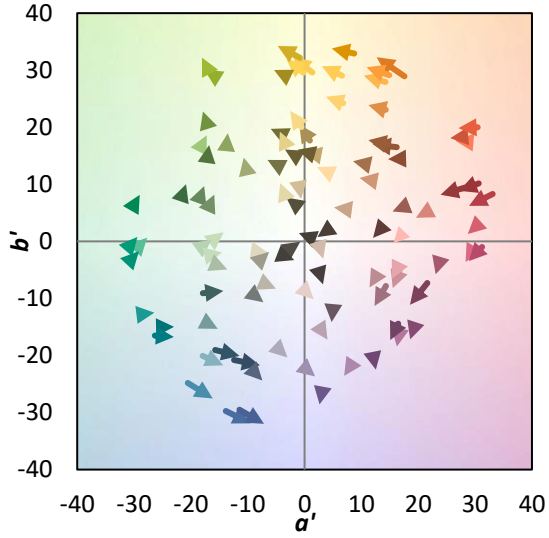


Color Vector Graphics









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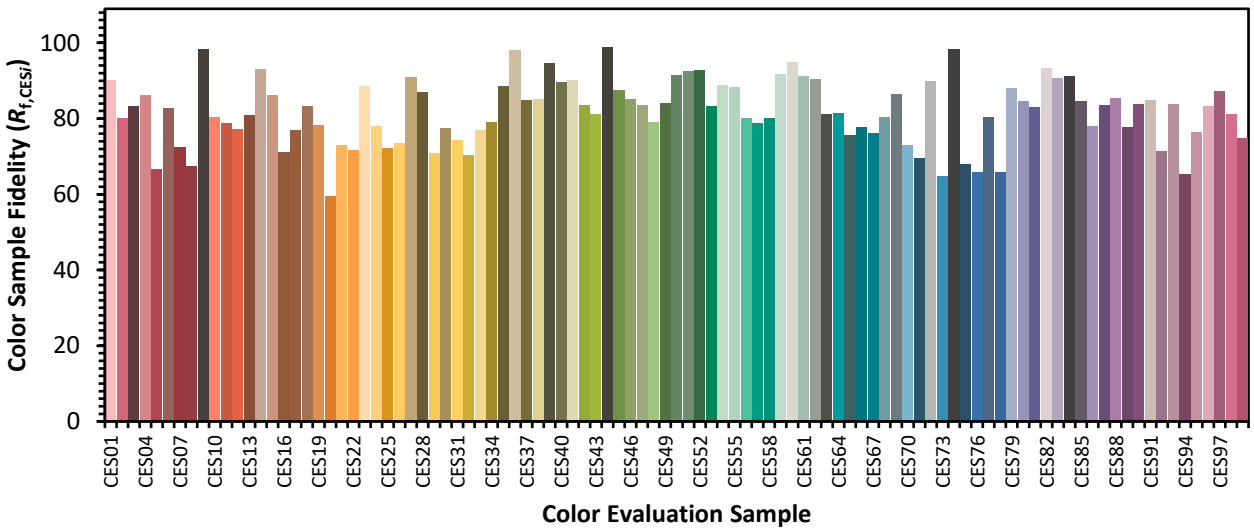
Individual Sample Fidelity Index ($R_{f,i}$)

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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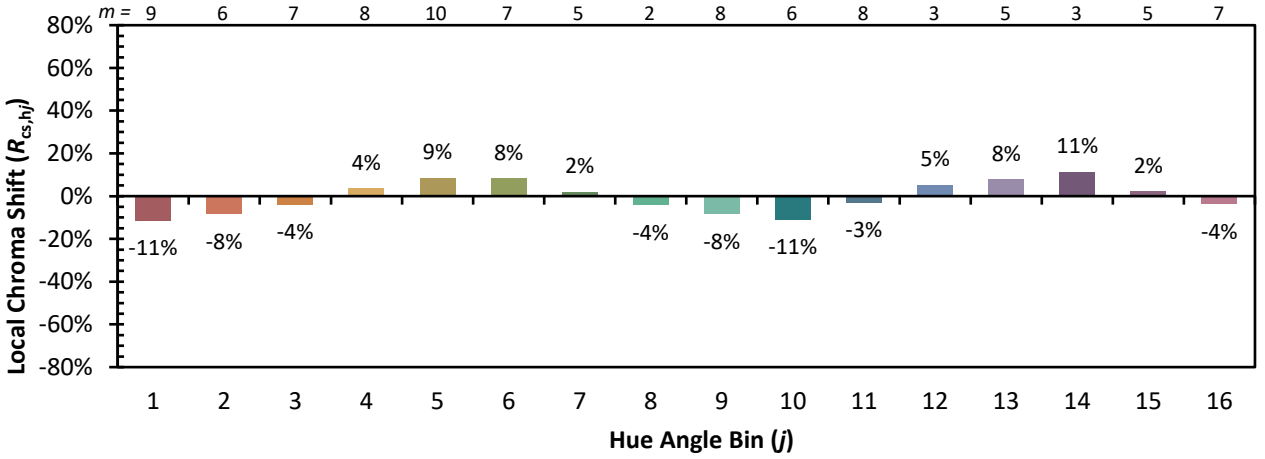
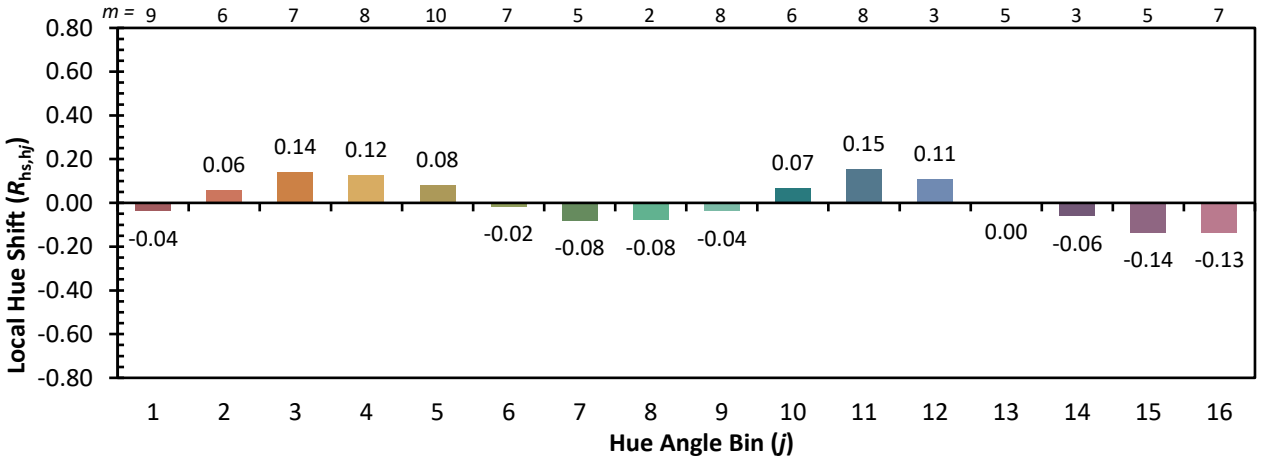
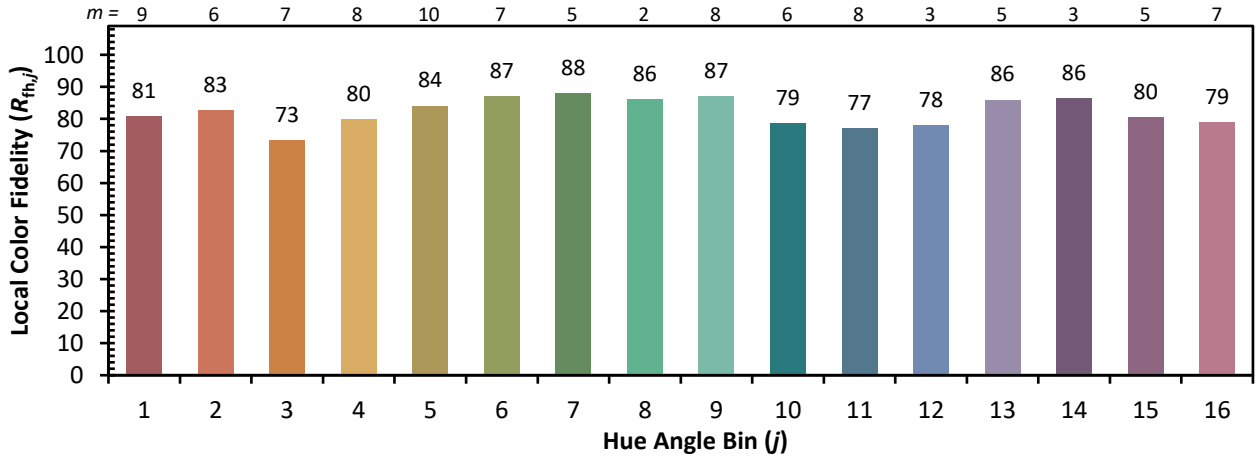
Color Rendition by Hue-Angle Bin







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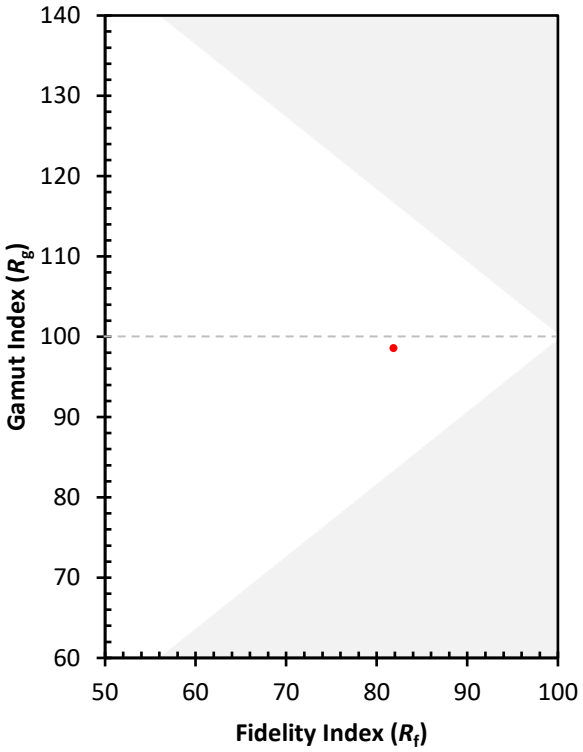
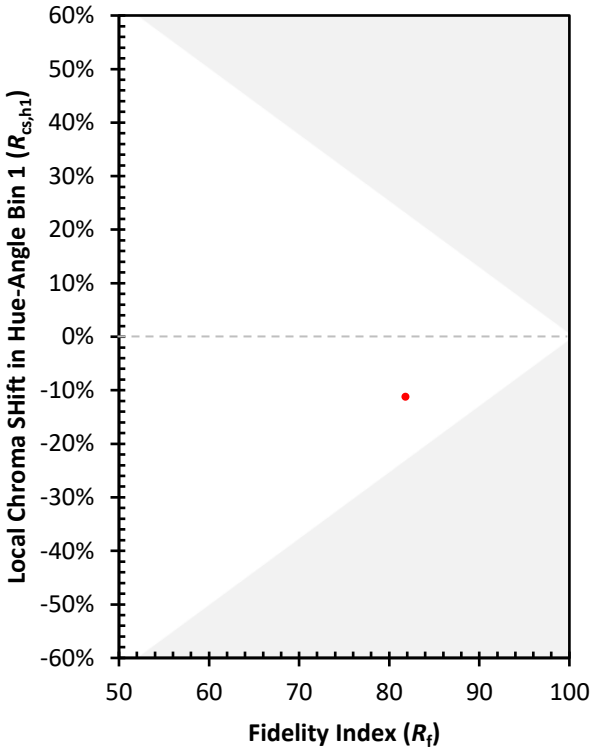
Measure Comparisons





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