Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Peachtree City, GA 30269

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: P1459187

Luminaire Tested: GLAN-SB4A-940-U-T4LG-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:	P1459187
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	5/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB4A-940-U-T4LG-HSS
Description:	GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 350mA 4xLight Square PACKAGE 90CRI 4000K FIXTURE w/ TYPE IV LOW GLARE WITH HOUSE SIDE SHIELD
Light Source:	(104) 4000K CCT, 90 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9447.6 lumens
Efficiency:	N/A
Efficacy:	82.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
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: P1459187
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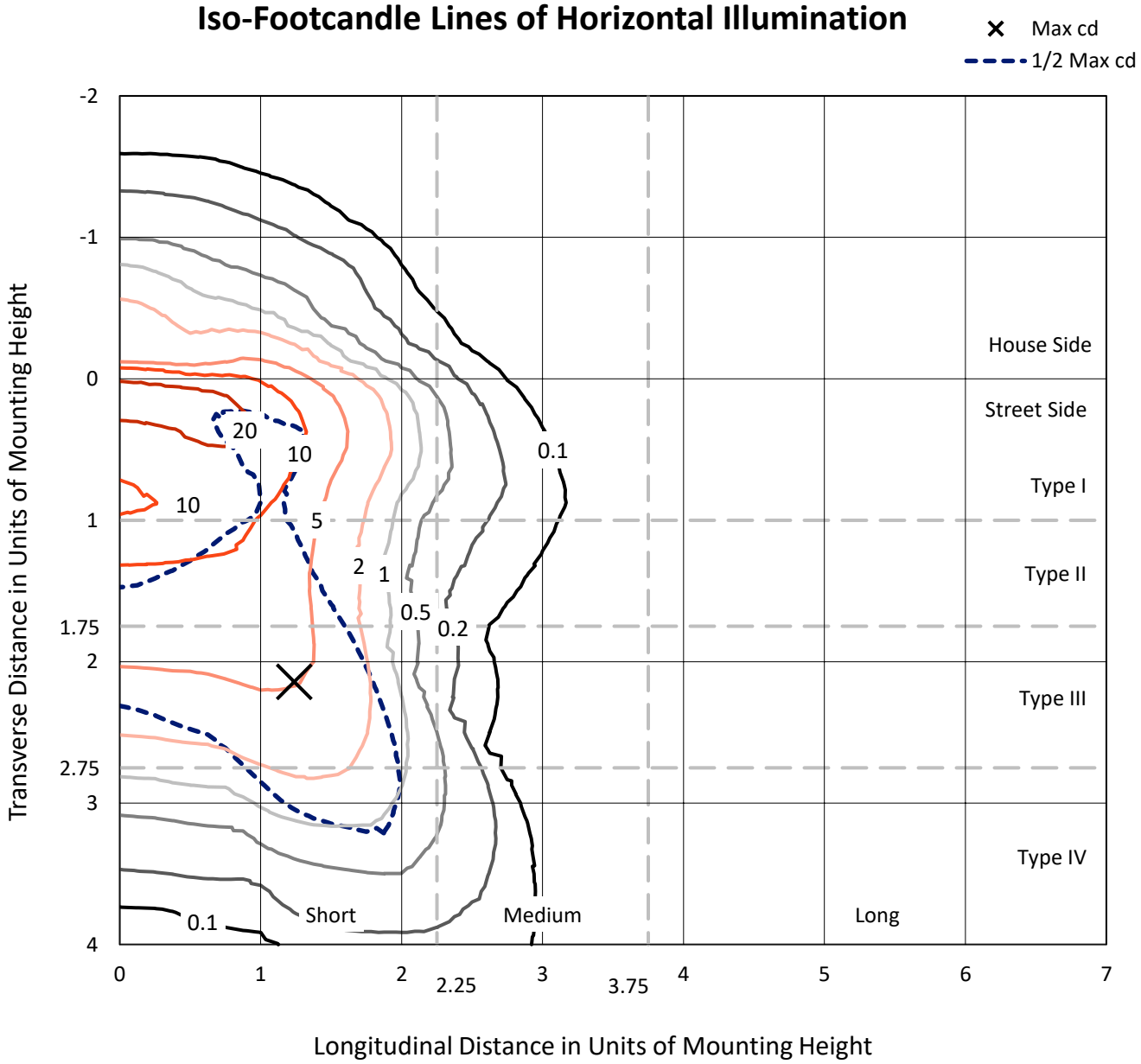
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 28.5 fc
Type IV - Short - N/A

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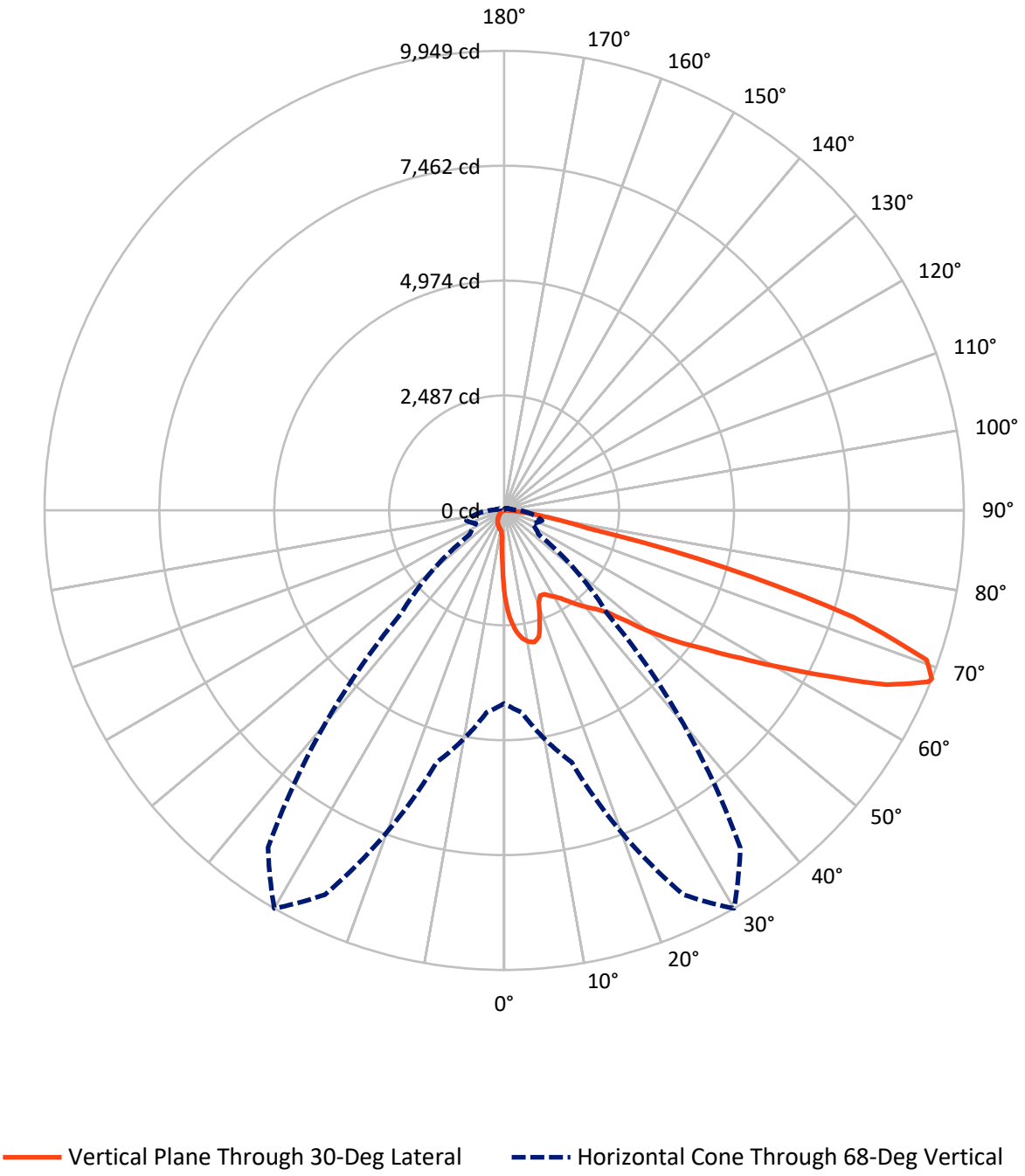
Luminous Intensity Polar Plot



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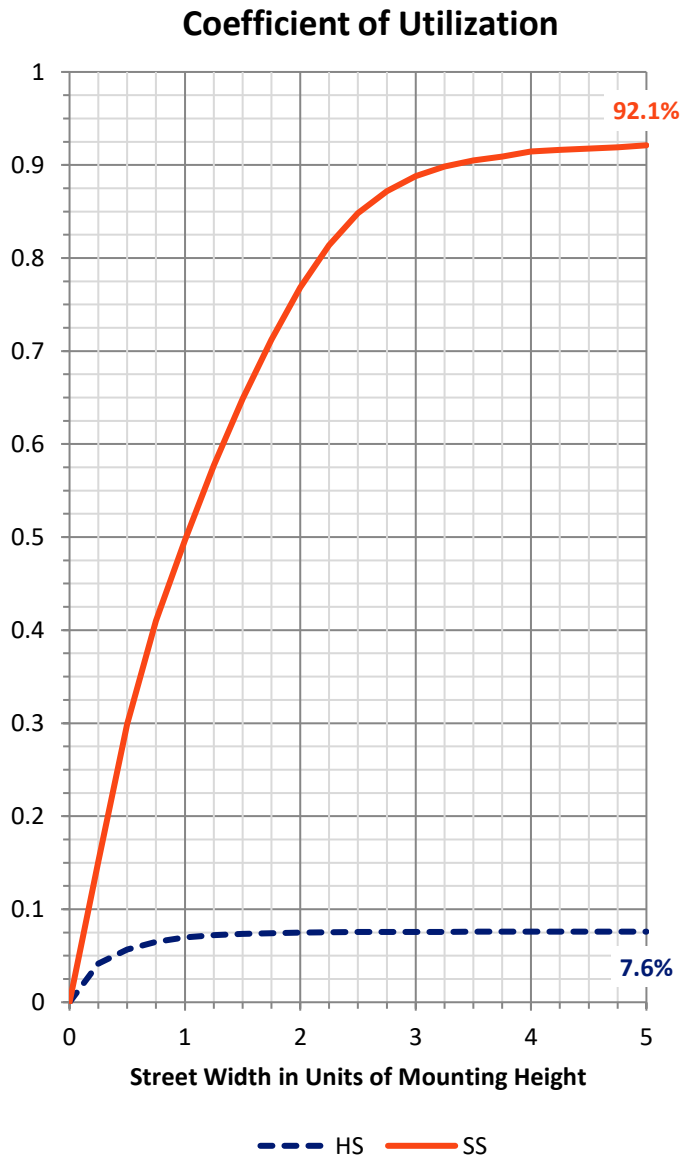
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	721.1	0.0	721.1
	% Fixture	7.6	0.0	7.6
Street Side	Lumens	8726.5	0.0	8726.5
	% Fixture	92.4	0.0	92.4
Total	Lumens	9447.6	0.0	9447.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.7	1.7
10°-20°	458.9	4.9
20°-30°	721.2	7.6
30°-40°	1131.1	12.0
40°-50°	1690.7	17.9
50°-60°	2249.2	23.8
60°-70°	2174.3	23.0
70°-80°	781.6	8.3
80°-90°	79.8	0.8
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°	9447.6	100.0
0°-180°	9447.6	100.0



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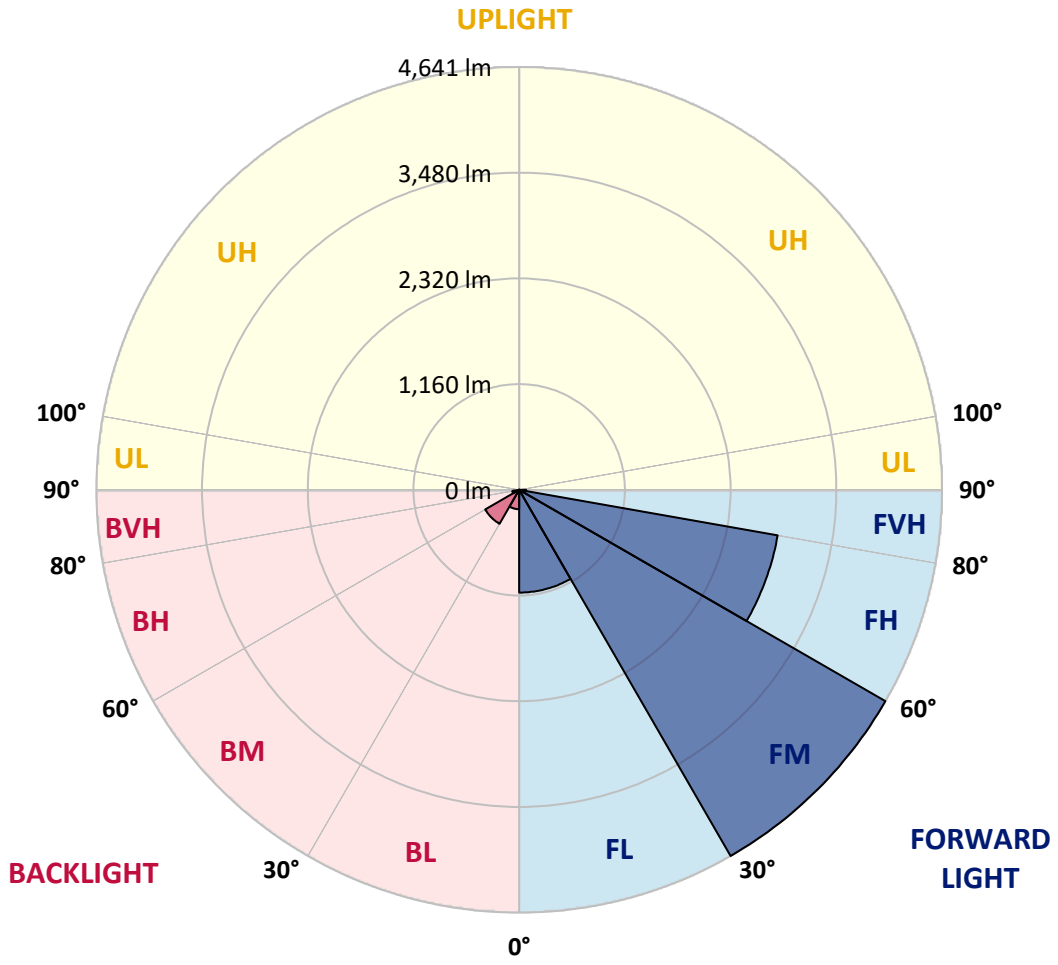
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1128.0	11.9			
FM	(30°-60°)	4640.7	49.1			
FH	(60°-80°)	2880.9	30.5			G2/5000
FVH	(80°-90°)	76.9	0.8			G1/100
BL	(0°-30°)	212.8	2.3	B1/500		
BM	(30°-60°)	430.4	4.6	B1/1000		
BH	(60°-80°)	75.0	0.8	B0/110		G0/110
BVH	(80°-90°)	2.8	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	35°	45°	55°	65°	75°	85°
0°	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0
2.5°	2381.1	2381.1	2364.1	2341.4	2315.9	2307.5	2259.3	2191.4	2120.6	2038.5	1919.6
5°	2686.8	2684.0	2650.0	2650.0	2616.1	2584.9	2536.8	2437.7	2324.4	2177.2	1970.5
7.5°	2822.7	2828.4	2814.2	2814.2	2794.4	2771.8	2743.5	2647.2	2514.1	2315.9	2021.5
10°	2870.9	2873.7	2873.7	2893.5	2887.9	2885.0	2882.2	2828.4	2689.7	2457.5	2075.3
12.5°	2754.8	2768.9	2808.6	2896.4	2924.7	2955.8	2998.3	2981.3	2885.0	2635.9	2157.4
15°	2381.1	2383.9	2494.3	2712.3	2828.4	2947.3	3111.5	3145.5	3083.2	2828.4	2242.3
17.5°	1964.9	1973.4	2061.1	2304.6	2491.5	2766.1	3176.6	3315.4	3292.7	3018.1	2321.6
20°	1792.2	1803.5	1846.0	1998.8	2140.4	2395.2	3111.5	3476.8	3485.2	3207.8	2395.2
22.5°	1752.5	1761.0	1795.0	1913.9	2001.7	2171.6	2890.7	3604.2	3703.3	3425.8	2483.0
25°	1741.2	1749.7	1800.7	1930.9	2013.0	2154.6	2689.7	3672.1	3960.9	3652.3	2567.9
27.5°	1732.7	1744.0	1826.1	1993.2	2089.4	2225.3	2652.9	3686.3	4207.2	3892.9	2706.7
30°	1744.0	1761.0	1868.6	2058.3	2168.7	2321.6	2740.6	3700.4	4479.0	4167.6	2882.2
32.5°	1789.3	1803.5	1933.7	2146.1	2273.5	2446.2	2890.7	3785.4	4736.7	4447.9	3049.2
35°	1840.3	1860.1	2015.8	2270.6	2423.5	2618.9	3094.5	3952.4	4983.0	4714.0	3221.9
37.5°	1902.6	1925.2	2112.1	2412.2	2587.7	2808.6	3315.4	4184.6	5201.0	4932.0	3394.6
40°	1987.5	2013.0	2222.5	2562.3	2752.0	2972.8	3533.4	4413.9	5368.0	5062.2	3507.9
42.5°	2321.6	2355.6	2443.4	2709.5	2921.8	3148.3	3748.6	4631.9	5430.3	5104.7	3530.5
45°	2944.5	2978.5	2955.8	3006.8	3148.3	3360.7	3983.5	4841.4	5438.8	5093.4	3519.2
47.5°	3570.2	3609.8	3590.0	3561.7	3592.8	3694.8	4246.8	4974.5	5393.5	5087.7	3519.2
50°	4167.6	4144.9	4147.8	4139.3	4167.6	4221.4	4501.7	5000.0	5382.2	5141.5	3550.4
52.5°	4487.5	4498.8	4569.6	4674.4	4736.7	4790.4	4793.3	5039.6	5300.1	5050.9	3513.6
55°	4801.8	4824.4	4988.6	5167.0	5305.7	5407.7	5084.9	5014.1	4810.3	4748.0	3321.0
57.5°	5155.7	5186.8	5419.0	5787.0	6030.5	6084.3	5373.7	4538.5	4071.3	4314.8	2947.3
60°	5642.6	5679.5	5988.1	6540.1	6902.5	6792.1	5396.3	3782.5	3233.3	3581.5	2432.0
62.5°	6024.9	6098.5	6656.2	7516.9	7916.1	7565.1	4974.5	2899.2	2259.3	2517.0	1775.2
65°	5617.2	5758.7	6667.6	8635.3	9096.7	8473.9	4312.0	1979.0	1274.1	1628.0	1135.3
67.5°	4541.3	4739.5	5920.1	9178.9	9906.5	8952.4	3394.6	1050.4	730.5	945.6	597.4
68°	4178.9	4394.1	5645.5	9178.9	9948.9	8909.9	3151.2	908.8	673.8	849.4	518.1
70°	2887.9	3040.7	4340.3	8663.6	9699.8	8122.8	2075.3	520.9	506.8	583.2	342.6
72.5°	1415.6	1579.8	2321.6	6865.7	7902.0	6242.9	945.6	345.4	385.0	427.5	269.0
75°	563.4	597.4	914.5	3386.2	4937.7	3983.5	495.5	260.5	331.3	334.1	212.3
77.5°	322.8	342.6	506.8	1245.7	1851.6	1780.8	319.9	186.9	263.3	240.7	138.7
80°	181.2	184.0	286.0	656.8	1058.9	948.5	218.0	135.9	201.0	169.9	93.4
82.5°	90.6	101.9	181.2	362.4	588.9	603.1	116.1	96.3	161.4	121.7	76.4
85°	65.1	70.8	130.2	201.0	271.8	407.7	70.8	48.1	121.7	82.1	53.8
87.5°	34.0	42.5	82.1	99.1	110.4	138.7	34.0	22.6	67.9	48.1	28.3
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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REPORT NUMBER: P1459187
CATALOG NUMBER: GLAN-SB4A-940-U-T4LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0	1863.0
2.5°	1863.0	1797.8	1664.8	1509.0	1387.3	1262.7	1160.8	1064.5	1019.2	1013.6	1024.9
5°	1854.5	1712.9	1410.0	1112.7	869.2	699.3	605.9	557.8	532.3	520.9	523.8
7.5°	1837.5	1622.3	1138.2	753.1	563.4	489.8	467.2	458.7	455.8	455.8	455.8
10°	1820.5	1500.6	872.0	552.1	461.5	441.7	436.0	436.0	433.2	433.2	436.0
12.5°	1812.0	1387.3	676.7	461.5	430.3	421.9	416.2	413.4	413.4	413.4	416.2
15°	1792.2	1262.7	546.4	427.5	410.5	399.2	396.4	393.5	393.5	393.5	393.5
17.5°	1775.2	1141.0	475.6	404.9	390.7	379.4	376.6	373.7	373.7	376.6	376.6
20°	1749.7	1024.9	427.5	382.2	370.9	359.6	356.7	353.9	356.7	356.7	356.7
22.5°	1718.6	928.6	399.2	365.2	351.1	339.7	339.7	339.7	339.7	339.7	342.6
25°	1698.7	860.7	379.4	345.4	331.3	322.8	319.9	319.9	325.6	325.6	328.4
27.5°	1729.9	843.7	382.2	339.7	314.3	305.8	302.9	302.9	308.6	311.4	314.3
30°	1823.3	874.9	416.2	356.7	302.9	288.8	286.0	286.0	294.4	297.3	300.1
32.5°	1930.9	940.0	467.2	379.4	294.4	271.8	266.1	266.1	274.6	277.5	280.3
35°	2078.1	1041.9	535.1	399.2	300.1	254.8	243.5	243.5	249.1	254.8	257.6
37.5°	2267.8	1208.9	614.4	413.4	300.1	235.0	220.8	218.0	223.7	223.7	226.5
40°	2466.0	1426.9	696.5	413.4	286.0	215.2	201.0	192.5	195.4	192.5	195.4
42.5°	2576.4	1602.5	767.3	387.9	269.0	195.4	181.2	169.9	167.0	161.4	164.2
45°	2638.7	1681.8	747.4	359.6	252.0	181.2	164.2	150.1	144.4	135.9	135.9
47.5°	2638.7	1690.2	639.9	336.9	235.0	169.9	147.2	133.1	124.6	116.1	118.9
50°	2607.6	1613.8	506.8	314.3	215.2	158.5	133.1	121.7	110.4	104.8	104.8
52.5°	2477.3	1364.7	387.9	286.0	192.5	144.4	118.9	107.6	96.3	93.4	93.4
55°	2253.7	1002.3	314.3	257.6	172.7	133.1	107.6	99.1	87.8	82.1	82.1
57.5°	1831.8	685.2	260.5	232.2	152.9	118.9	96.3	87.8	73.6	67.9	67.9
60°	1359.0	447.3	220.8	203.8	130.2	107.6	84.9	73.6	62.3	56.6	53.8
62.5°	917.3	302.9	184.0	161.4	110.4	93.4	73.6	62.3	48.1	36.8	36.8
65°	571.9	235.0	152.9	127.4	96.3	82.1	62.3	48.1	34.0	25.5	22.6
67.5°	328.4	189.7	124.6	99.1	82.1	65.1	48.1	39.6	28.3	19.8	17.0
68°	*302.9*	*181.2*	*116.1*	*93.4*	*76.4*	*62.3*	*45.3*	*36.8*	*25.5*	*17.0*	*17.0*
70°	246.3	161.4	99.1	76.4	65.1	51.0	39.6	31.1	19.8	11.3	11.3
72.5°	218.0	135.9	84.9	59.5	45.3	42.5	31.1	22.6	14.2	8.5	5.7
75°	178.4	107.6	67.9	45.3	31.1	31.1	22.6	14.2	5.7	0.0	0.0
77.5°	116.1	79.3	53.8	28.3	17.0	19.8	14.2	5.7	0.0	0.0	0.0
80°	76.4	59.5	36.8	14.2	8.5	8.5	2.8	0.0	0.0	0.0	0.0
82.5°	53.8	39.6	22.6	5.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0
85°	34.0	17.0	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.2	5.7	2.8	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: SP1-2407-184-16

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-940-U-5WQ

Data in this report applies to families of products including GSS-SB1A-940-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

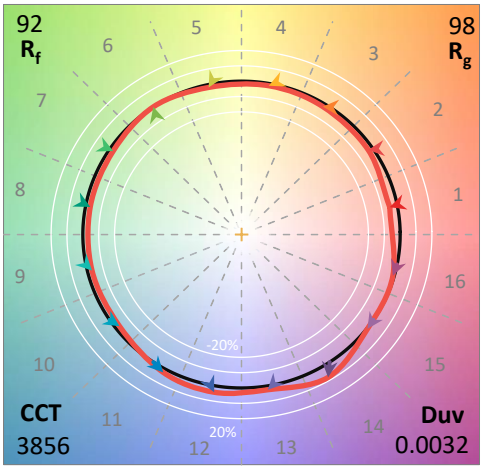
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-16
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-940-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3856
CIE u':	0.2261
CIE v':	0.5084
Duv:	0.0032
CIE x:	0.3896
CIE y:	0.3894
CIE z:	0.2211
Peak Wavelength (nm):	614
Dominant Wavelength (nm):	578
Purity:	33.77304
Rf:	91.8
Rg:	98.4

CRI (Ra):	92.1
R1:	91.8
R2:	94.1
R3:	95.3
R4:	92.8
R5:	91.0
R6:	91.6
R7:	95.0
R8:	85.2
R9:	60.7
R10:	85.2
R11:	92.4
R12:	74.5
R13:	92.3
R14:	97.0
R15:	88.5



Test Conditions

Stabilization Time:	23M
Operation Time:	1H 23M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-16

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

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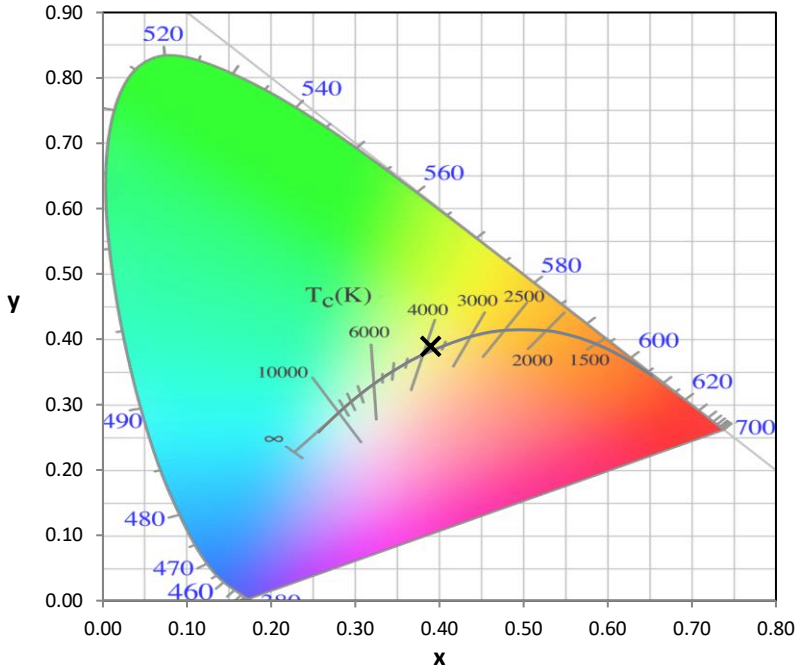
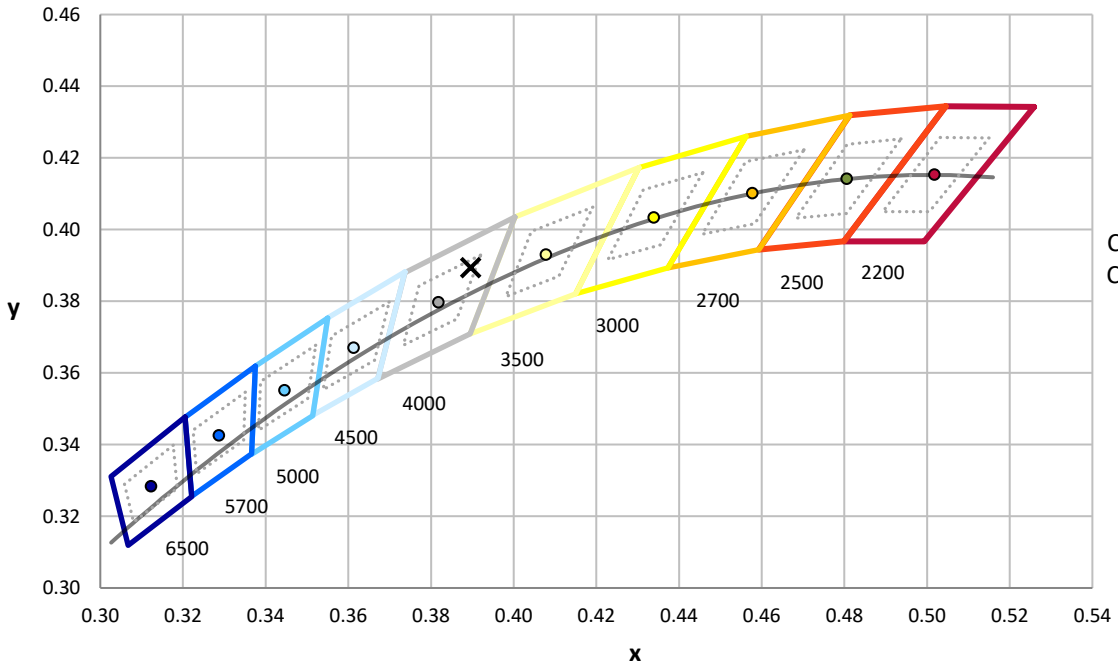
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

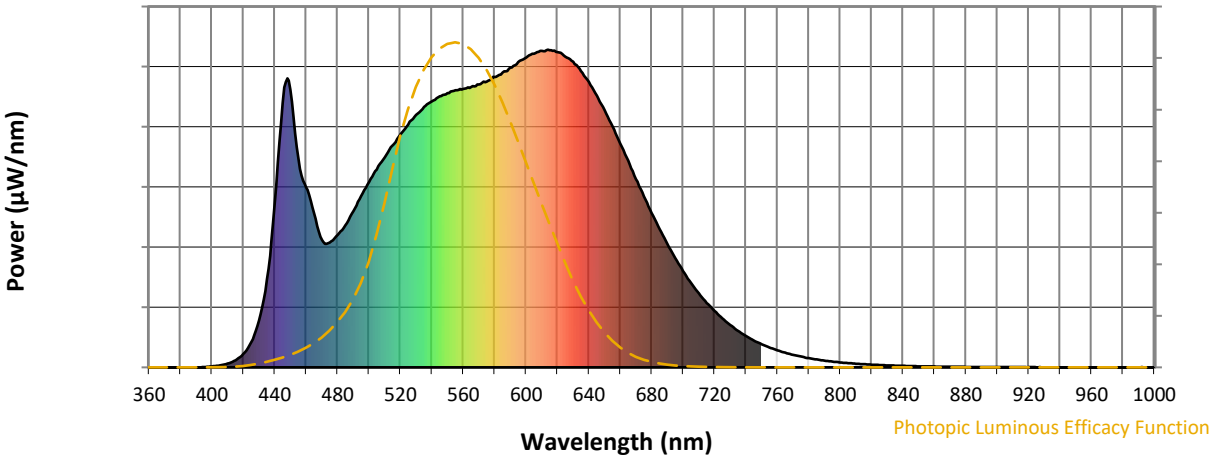


CCT = 3856K
CIE x = 0.3896
CIE y = 0.3894
Duv = 0.0032

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-16

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	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

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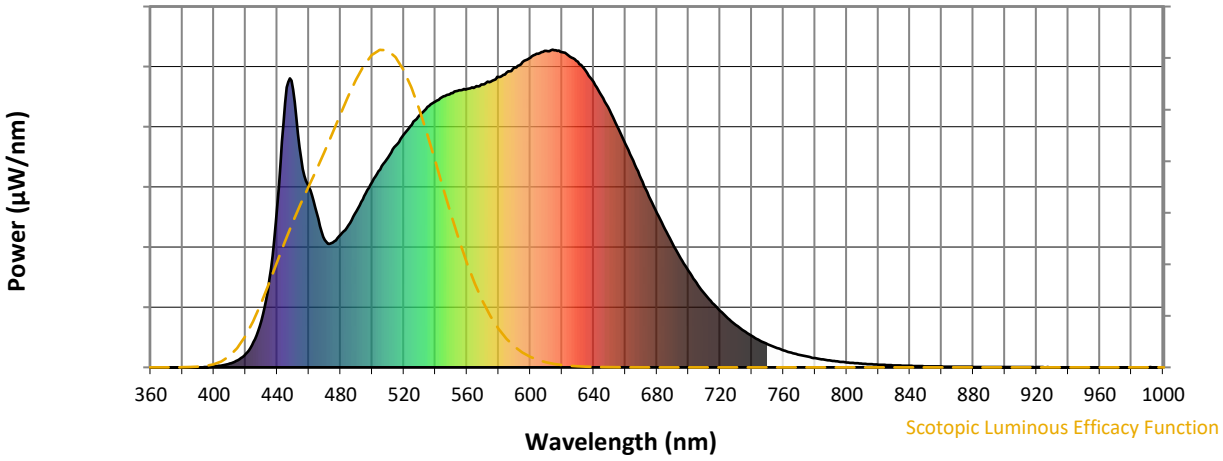
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.72**

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	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

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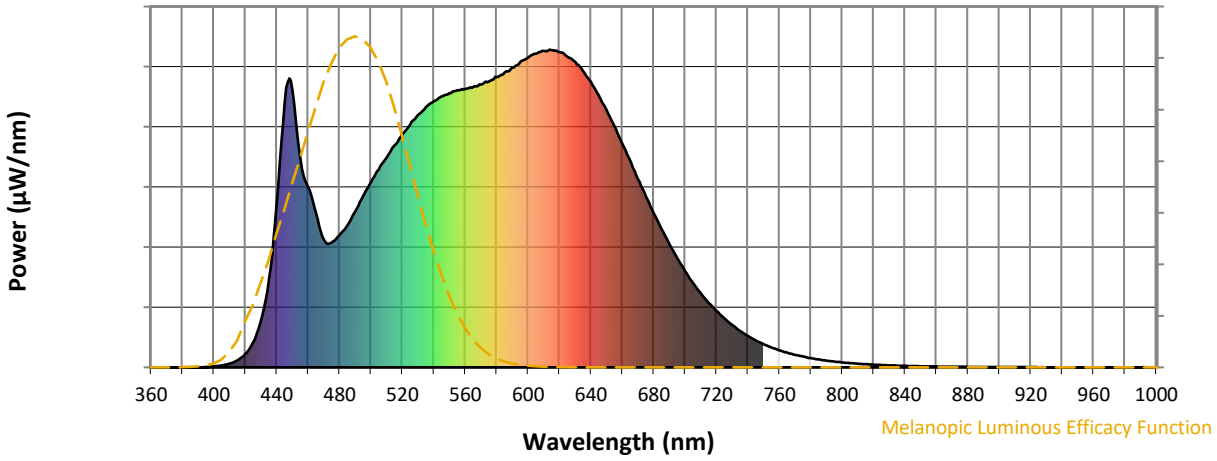
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.52**

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	492	NR	620	993	NR	750	73	NR	880	1	NR
365	0	NR	495	539	NR	625	978	NR	755	62	NR	885	1	NR
370	0	NR	500	583	NR	630	962	NR	760	54	NR	890	1	NR
375	0	NR	505	623	NR	635	933	NR	765	46	NR	895	1	NR
380	0	NR	510	661	NR	640	898	NR	770	39	NR	900	1	NR
385	0	NR	515	698	NR	645	855	NR	775	34	NR	905	1	NR
390	0	NR	520	733	NR	650	810	NR	780	29	NR	910	1	NR
395	1	NR	525	764	NR	655	759	NR	785	25	NR	915	1	NR
400	3	NR	530	794	NR	660	704	NR	790	21	NR	920	1	NR
405	6	NR	535	820	NR	665	651	NR	795	18	NR	925	1	NR
410	12	NR	540	837	NR	670	592	NR	800	16	NR	930	1	NR
415	22	NR	545	853	NR	675	538	NR	805	13	NR	935	0	NR
420	42	NR	550	864	NR	680	486	NR	810	12	NR	940	0	NR
425	79	NR	555	872	NR	685	435	NR	815	10	NR	945	0	NR
430	147	NR	560	876	NR	690	389	NR	820	9	NR	950	0	NR
435	278	NR	565	883	NR	695	344	NR	825	7	NR	955	0	NR
440	515	NR	570	891	NR	700	303	NR	830	6	NR	960	0	NR
445	832	NR	575	900	NR	705	266	NR	835	5	NR	965	0	NR
450	874	NR	580	914	NR	710	233	NR	840	5	NR	970	0	NR
455	659	NR	585	927	NR	715	203	NR	845	4	NR	975	0	NR
460	567	NR	590	944	NR	720	178	NR	850	4	NR	980	0	NR
465	485	NR	595	961	NR	725	154	NR	855	3	NR	985	0	NR
470	401	NR	600	975	NR	730	133	NR	860	3	NR	990	0	NR
475	393	NR	605	988	NR	735	115	NR	865	2	NR	995	1	NR
480	417	NR	610	996	NR	740	98	NR	870	2	NR	1000	0	NR
485	448	NR	615	998	NR	745	85	NR	875	2	NR			

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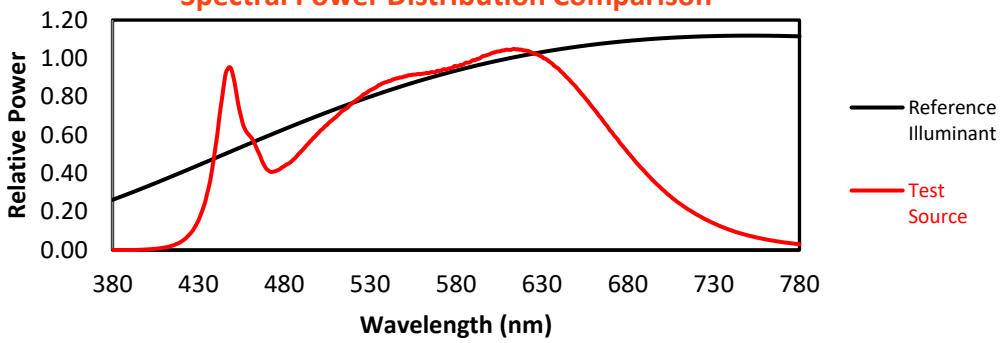
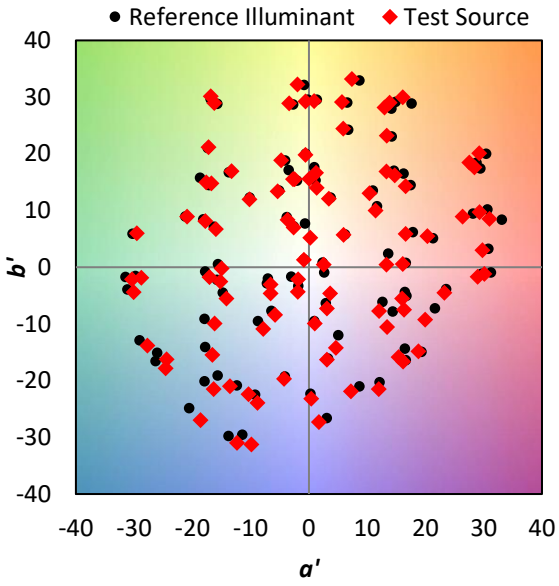
Summary

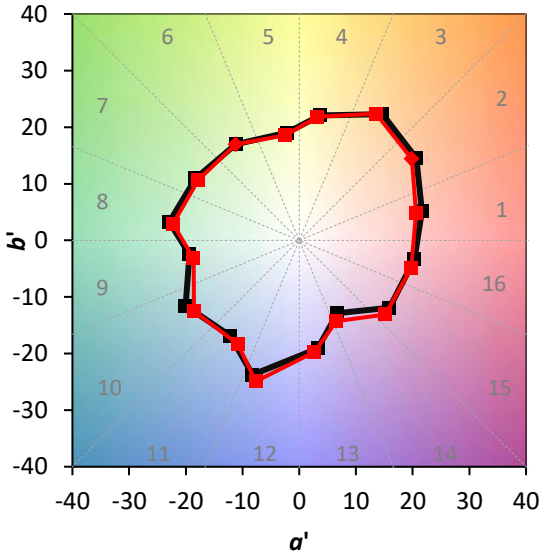
R_f = 91.8
R_g = 98.4
CIE R_a = 92.1
R_9 = 60.7

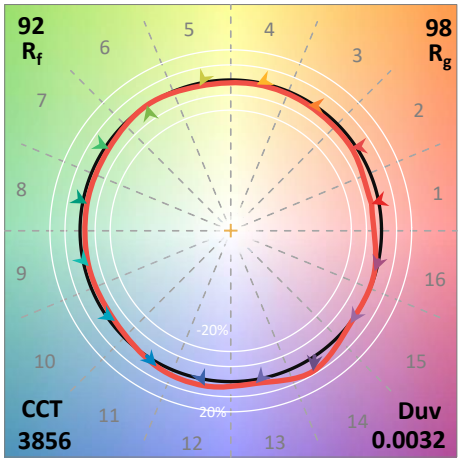
Spectral Power Distribution Comparison

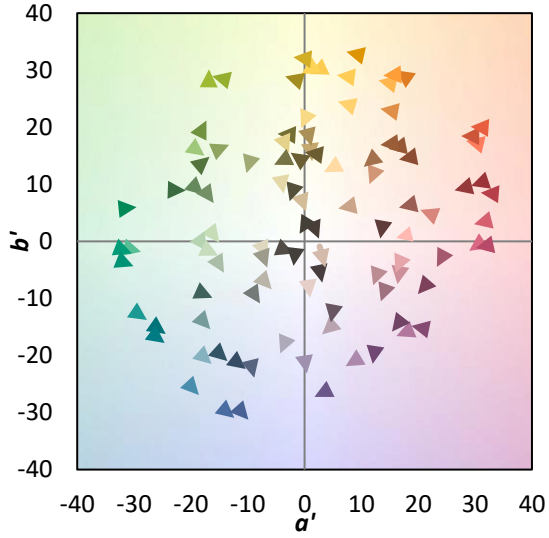


Color Vector Graphics









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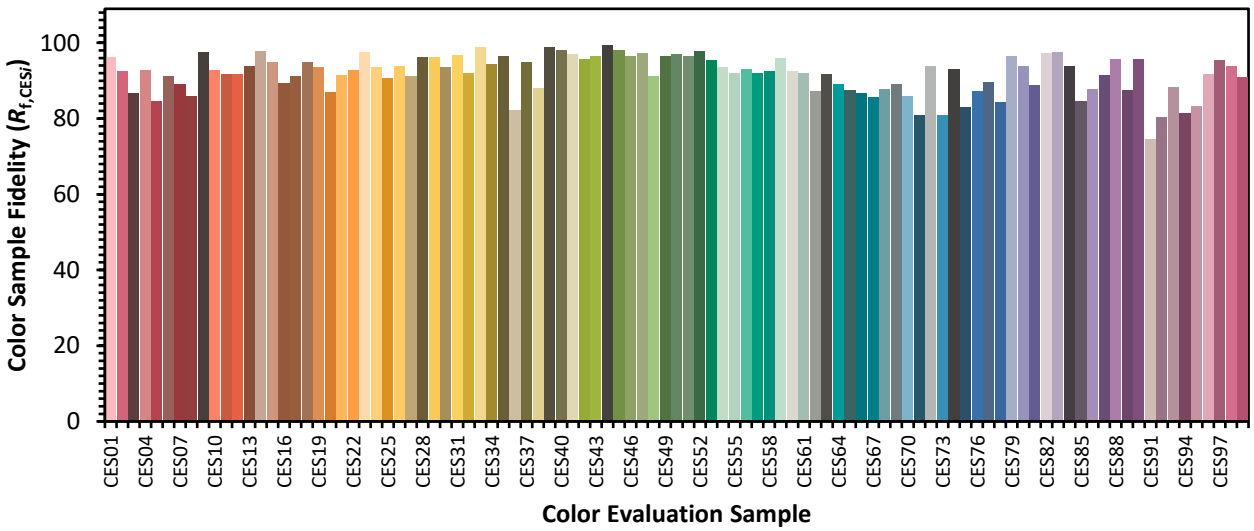
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 96	CES76 = 87
CES02 = 62	CES27 = 91	CES52 = 98	CES77 = 90
CES03 = 31	CES28 = 96	CES53 = 95	CES78 = 84
CES04 = 69	CES29 = 96	CES54 = 94	CES79 = 96
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 94
CES06 = 50	CES31 = 97	CES56 = 93	CES81 = 89
CES07 = 42	CES32 = 92	CES57 = 92	CES82 = 97
CES08 = 41	CES33 = 99	CES58 = 92	CES83 = 98
CES09 = 29	CES34 = 94	CES59 = 96	CES84 = 94
CES10 = 74	CES35 = 96	CES60 = 93	CES85 = 85
CES11 = 57	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 63	CES37 = 95	CES62 = 87	CES87 = 92
CES13 = 43	CES38 = 88	CES63 = 92	CES88 = 96
CES14 = 74	CES39 = 99	CES64 = 89	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 88	CES90 = 96
CES16 = 47	CES41 = 97	CES66 = 87	CES91 = 74
CES17 = 49	CES42 = 96	CES67 = 86	CES92 = 80
CES18 = 56	CES43 = 96	CES68 = 88	CES93 = 88
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 82
CES20 = 66	CES45 = 98	CES70 = 86	CES95 = 83
CES21 = 85	CES46 = 97	CES71 = 81	CES96 = 92
CES22 = 78	CES47 = 97	CES72 = 94	CES97 = 95
CES23 = 91	CES48 = 91	CES73 = 81	CES98 = 94
CES24 = 90	CES49 = 96	CES74 = 93	CES99 = 91
CES25 = 71	CES50 = 97	CES75 = 83	



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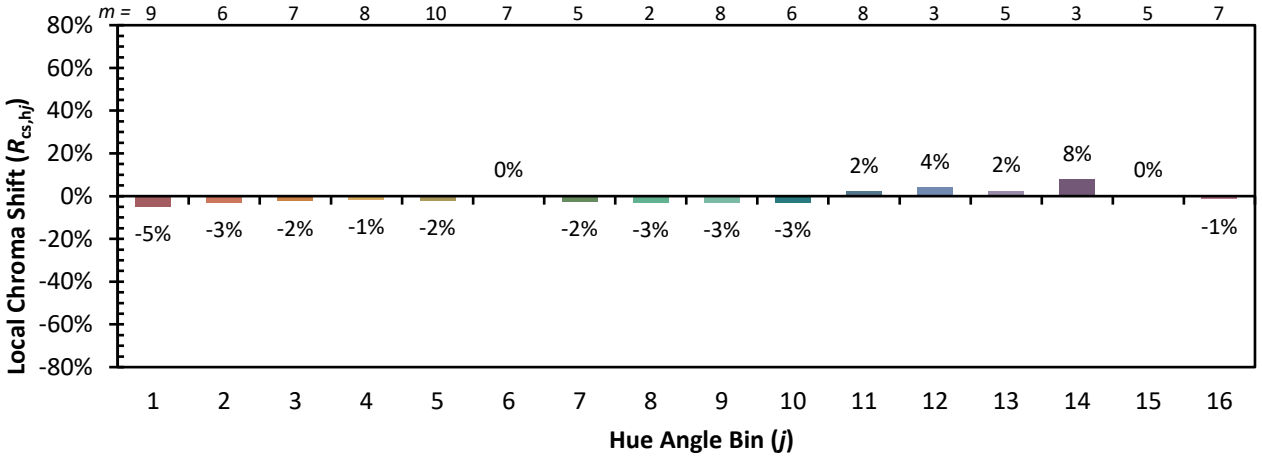
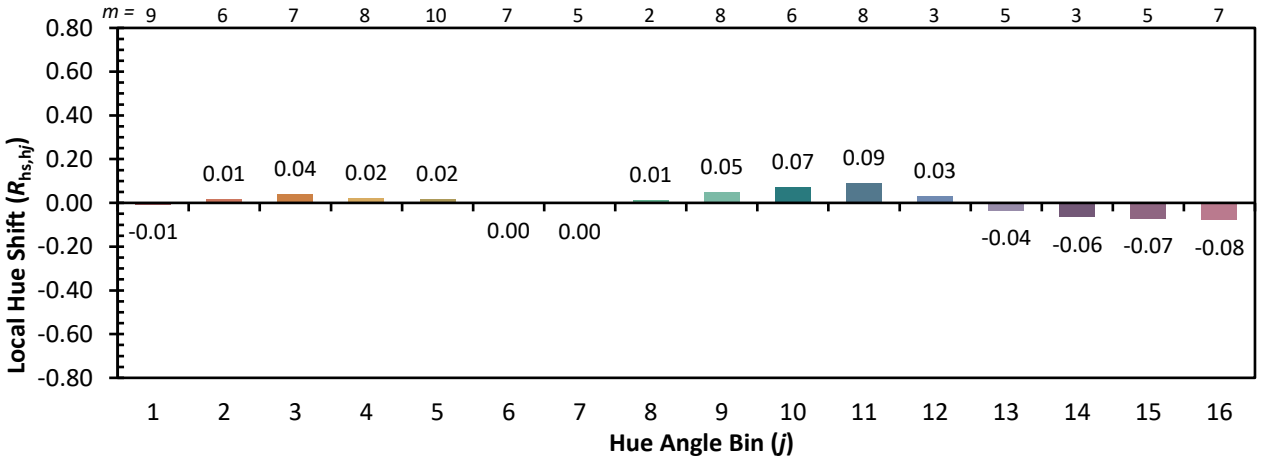
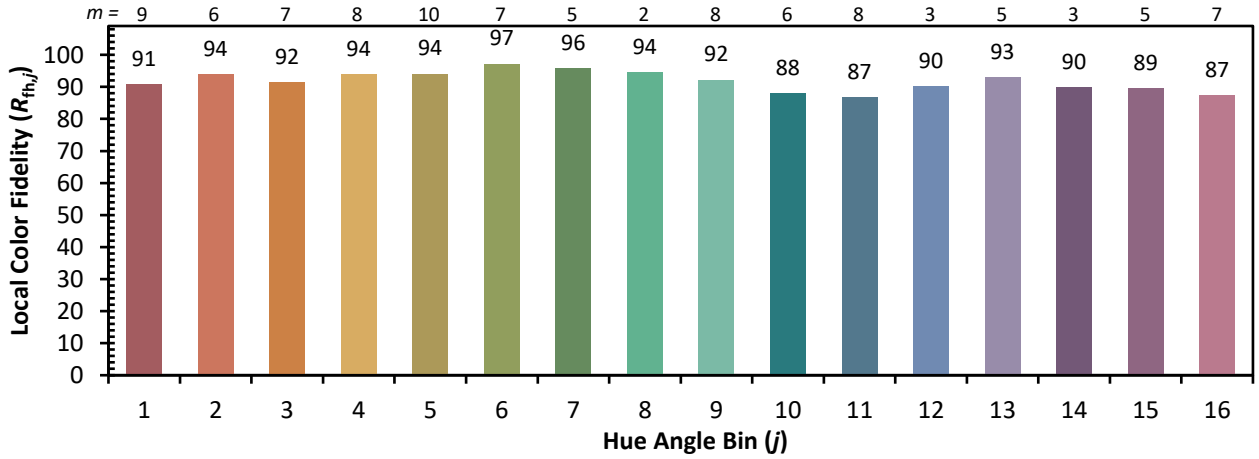
Color Rendition by Hue-Angle Bin







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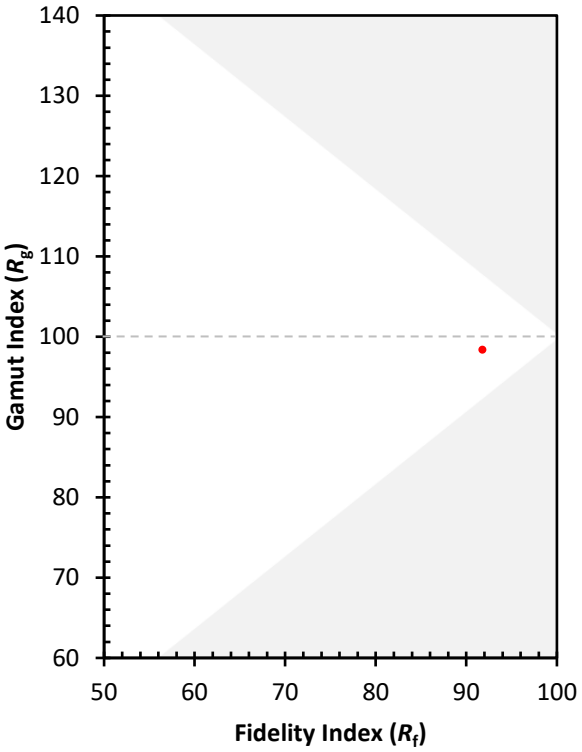
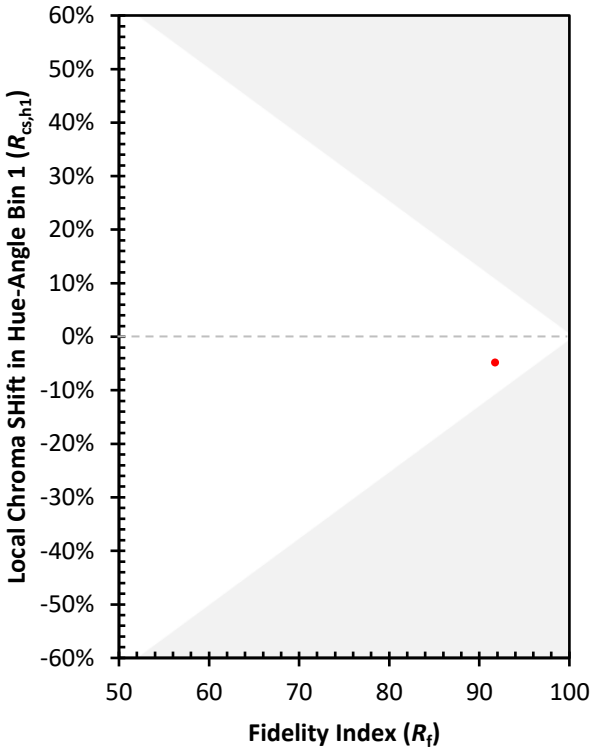
Measure Comparisons





(END OF REPORT)