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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1048837

Luminaire Tested: **GALN-SA7A-950-U-T4BC**

Issue Date: 07/10/2025

Report Generated By 670347003

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1048837
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA7A-950-U-T4BC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE 90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source:	(98) 5000K CCT, 90 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19963.9 lumens
Efficiency:	N/A
Efficacy:	103.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	193.1
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: P1048837
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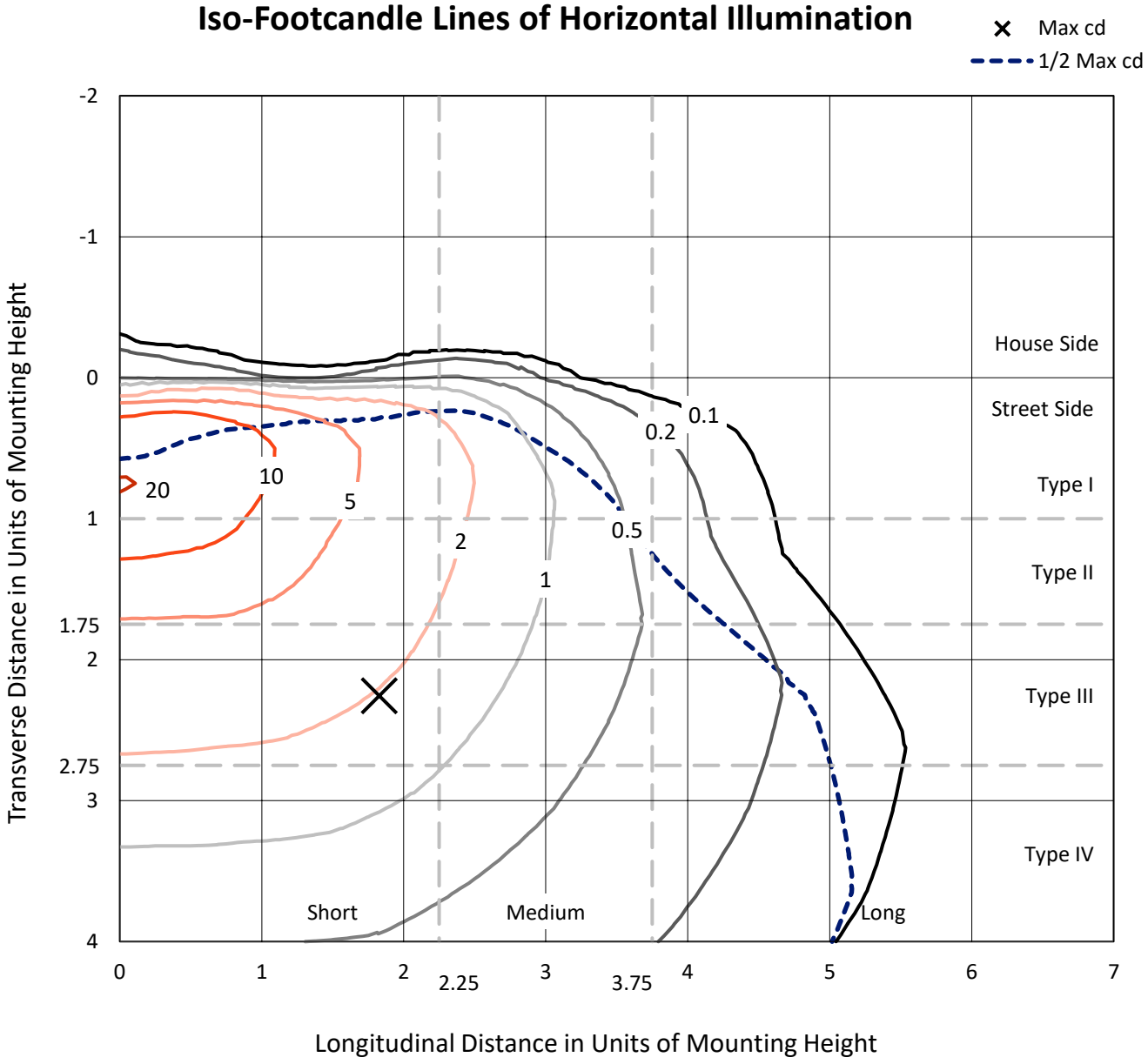
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 20.5 fc
Type IV - Short - N/A

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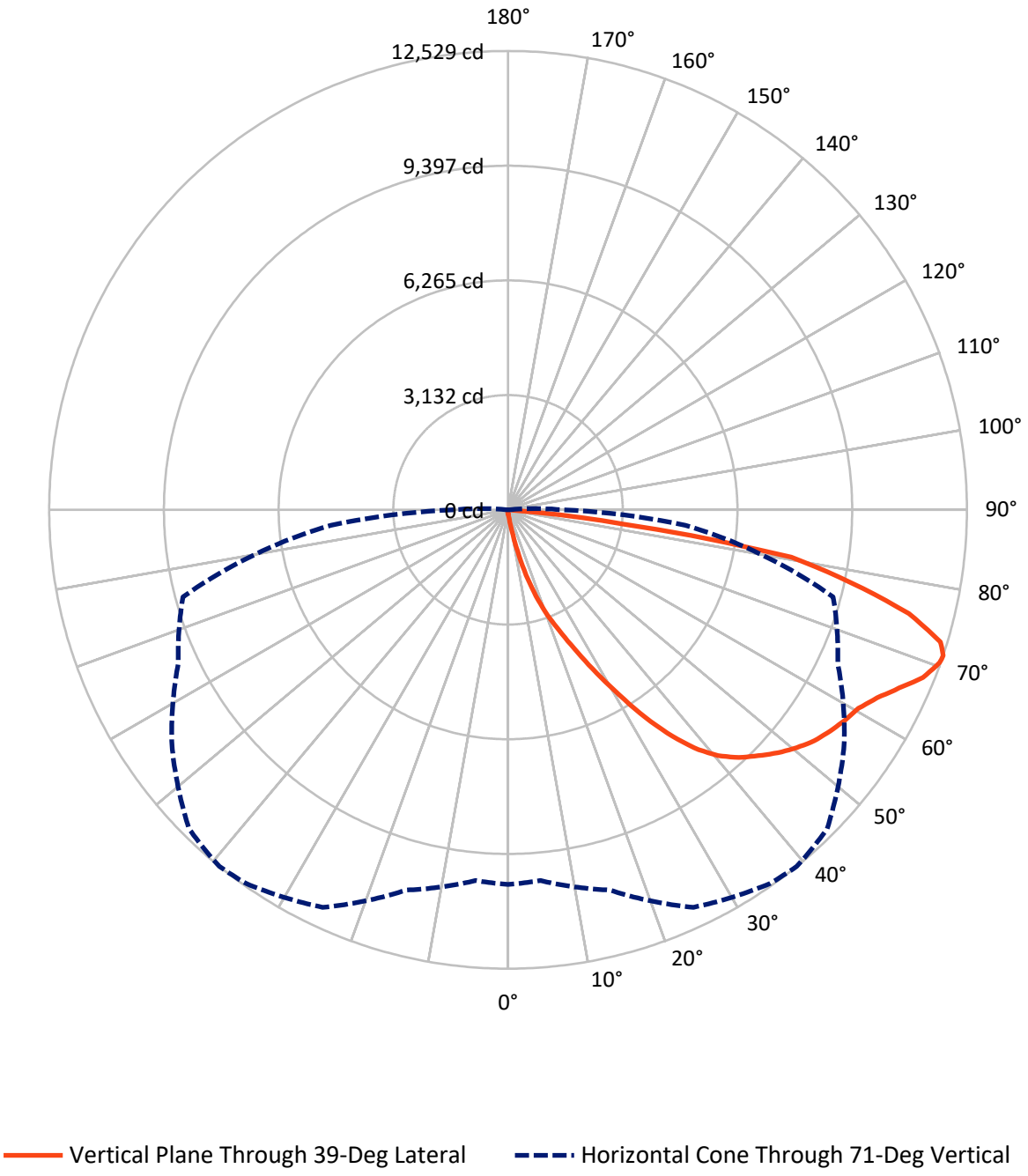
Luminous Intensity Polar Plot



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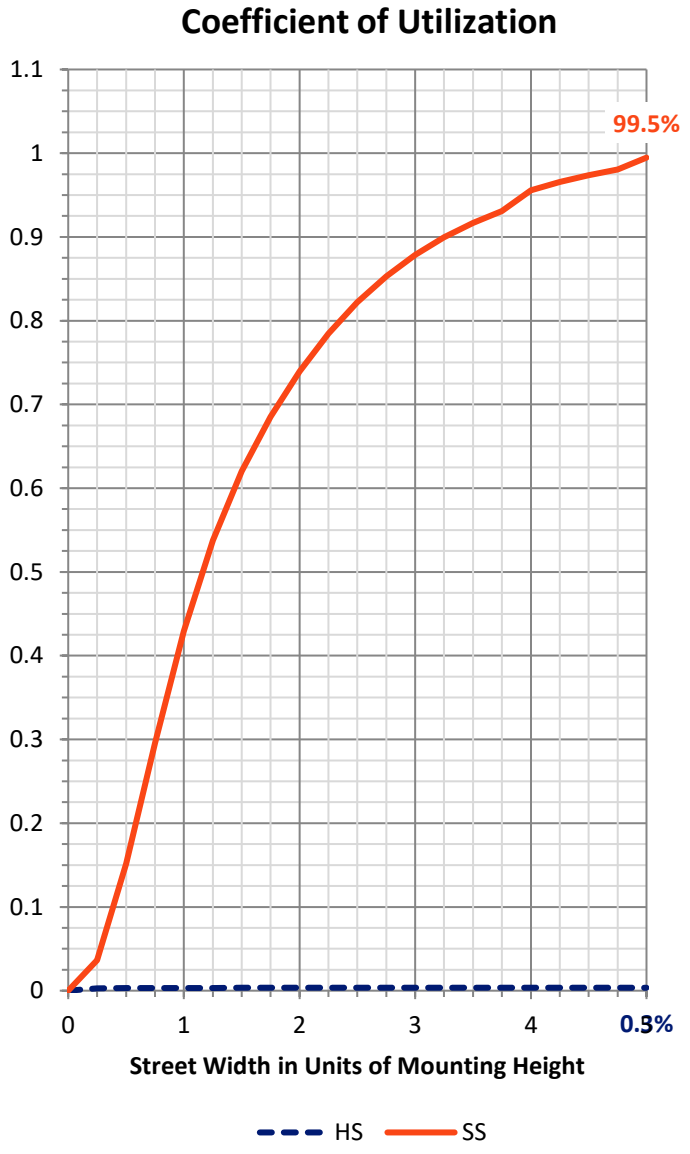
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	71.0	0.0	71.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	19892.9	0.0	19892.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	19963.9	0.0	19963.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.1
10°-20°	213.4	1.1
20°-30°	759.9	3.8
30°-40°	1831.4	9.2
40°-50°	3064.9	15.4
50°-60°	3936.5	19.7
60°-70°	4981.7	25.0
70°-80°	4441.4	22.2
80°-90°	717.9	3.6
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°	19963.9	100.0
0°-180°	19963.9	100.0



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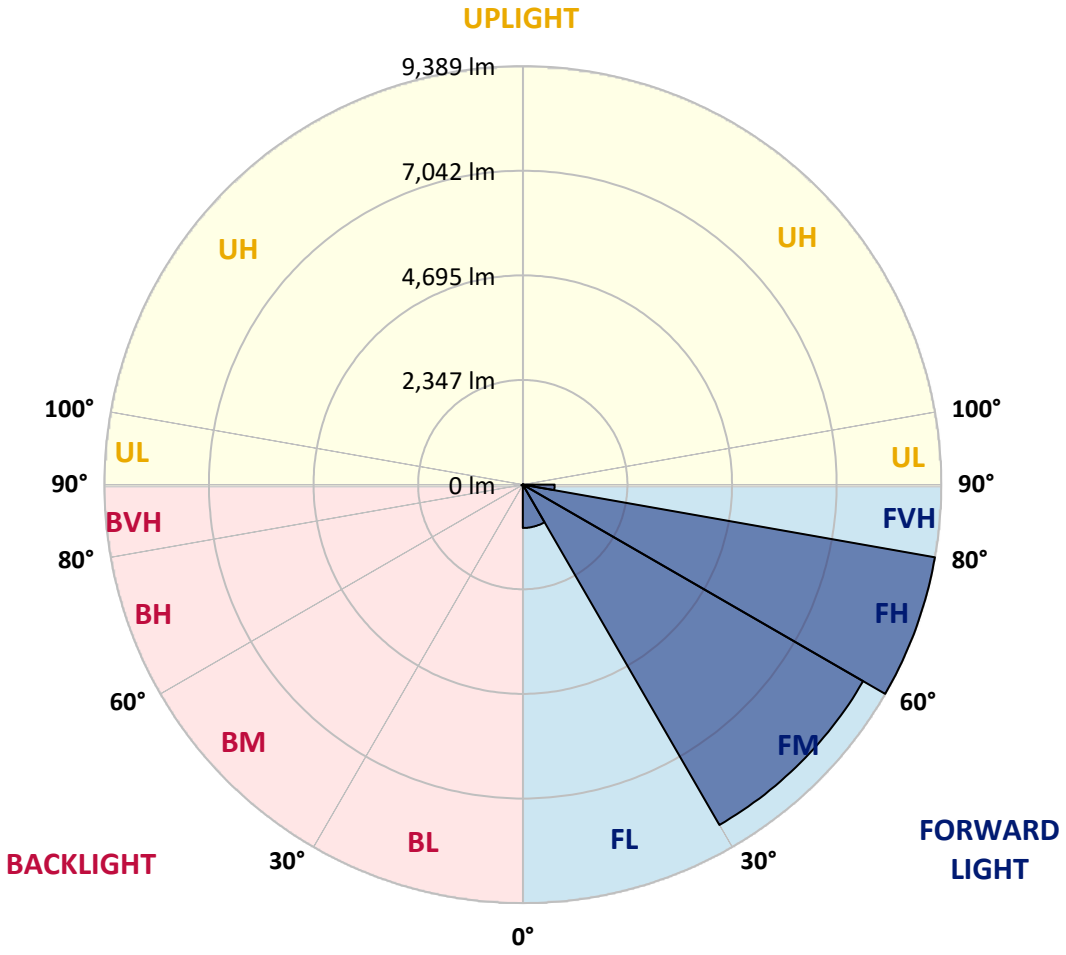
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	972.8	4.9			
FM	(30°-60°)	8816.4	44.2			
FH	(60°-80°)	9389.0	47.0			G4/12000
FVH	(80°-90°)	714.7	3.6			G4/750
BL	(0°-30°)	17.2	0.1	B0/110		
BM	(30°-60°)	16.4	0.1	B0/220		
BH	(60°-80°)	34.1	0.2	B0/110		G0/110
BVH	(80°-90°)	3.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	109.5	109.5	109.5	109.5	109.5	*109.5*	109.5	109.5	109.5	109.5	109.5
2.5°	125.7	125.7	125.7	121.6	121.6	*120.3*	118.9	118.9	116.2	114.9	112.2
5°	190.6	186.5	177.0	171.6	160.8	*154.1*	147.3	137.8	128.4	121.6	113.5
7.5°	431.1	440.6	409.5	351.4	291.9	*266.2*	223.0	179.7	148.7	128.4	114.9
10°	1098.7	1093.3	987.9	871.7	673.0	*593.3*	464.9	293.3	191.9	140.6	116.2
12.5°	1869.1	1863.6	1739.3	1581.2	1319.0	*1152.8*	909.5	547.3	275.7	159.5	116.2
15°	2516.4	2494.8	2455.6	2298.8	1992.0	*1852.8*	1531.2	967.6	446.0	191.9	118.9
17.5°	2944.8	2925.9	2889.4	2832.6	2638.0	*2473.1*	2215.0	1520.4	721.7	248.7	124.3
20°	3338.1	3324.6	3294.8	3284.0	3158.3	*3070.5*	2857.0	2155.6	1124.4	337.9	132.4
22.5°	3878.7	3850.3	3862.4	3797.6	3674.6	*3569.2*	3438.1	2820.5	1616.3	486.5	147.3
25°	4540.9	4527.3	4493.6	4447.6	4277.3	*4185.4*	3984.1	3447.5	2166.4	681.1	163.5
27.5°	5340.9	5326.1	5317.9	5212.5	5016.6	*4916.6*	4635.5	4039.5	2785.3	954.1	185.1
30°	6262.6	6269.4	6216.7	6081.5	5853.1	*5712.6*	5423.4	4659.8	3419.2	1274.4	208.1
32.5°	7216.7	7203.2	7122.1	6962.7	6758.6	*6627.5*	6259.9	5339.6	4084.1	1697.4	235.2
35°	8245.2	8219.5	8006.0	7823.5	7649.2	*7484.3*	7149.2	6128.8	4749.0	2171.8	271.6
37.5°	9283.1	9162.8	8734.4	8503.3	8383.0	*8247.9*	7935.7	6970.8	5409.8	2701.5	316.2
40°	10066.9	9973.7	9465.5	9039.8	8943.9	*8829.0*	8596.6	7697.8	6112.6	3270.5	370.3
42.5°	10500.7	10449.4	9992.6	9572.3	9346.6	*9245.3*	9046.6	8333.0	6807.2	3898.9	448.7
45°	10685.9	10606.2	10300.7	10104.8	9745.3	*9577.7*	9341.2	8812.8	7533.0	4612.5	558.1
47.5°	10629.1	10583.2	10364.3	10435.9	10175.0	*9914.2*	9566.9	9180.4	8153.3	5431.5	708.2
50°	10272.4	10233.2	10165.6	10553.5	10521.0	*10212.9*	9858.8	9470.9	8660.1	6276.1	940.6
52.5°	9593.9	9577.7	9750.7	10461.6	10717.0	*10476.4*	10139.9	9727.7	9133.1	7158.6	1273.1
55°	8719.5	8785.8	9280.4	10318.3	10817.0	*10671.0*	10388.6	9968.3	9512.8	7947.9	1763.6
57.5°	8360.1	8377.6	8995.2	10216.9	10861.6	*10842.7*	10630.5	10198.0	9861.5	8579.0	2512.3
60°	8780.4	8753.3	9079.0	10294.0	10950.8	*10996.7*	10845.4	10411.6	10164.2	9120.9	3509.7
62.5°	9539.9	9525.0	9629.1	10622.4	11211.6	*11304.9*	11144.0	10565.6	10431.8	9477.7	4647.6
65°	10218.3	10187.2	10380.5	11204.9	11669.7	*11736.0*	11595.4	10829.1	10549.4	9737.2	5716.6
67.5°	10511.6	10504.8	10815.6	11758.9	12150.9	*12222.5*	12099.5	11192.7	10522.4	9819.6	6188.3
70°	10377.8	10352.1	10849.4	11994.1	12422.5	*12503.6*	12384.7	11327.8	10229.1	9558.8	5489.6
71°	*10230.5*	*10161.5*	*10748.1*	*11977.9*	*12460.3*	*12529.3*	*12321.1*	*11204.9*	*9934.5*	*9188.5*	*4855.8*
72.5°	9773.7	9785.8	10469.7	11808.9	12369.8	*12349.5*	11961.7	10764.3	9579.1	8347.9	3900.3
75°	8649.3	8720.9	9568.2	11099.4	11561.6	*11303.5*	10710.2	9922.3	8865.5	5985.6	2708.3
77.5°	7068.1	7174.8	8106.0	9734.5	9603.4	*9577.7*	9553.4	8742.5	7570.8	3215.1	1883.9
80°	3374.6	3605.7	4889.5	6949.1	7549.2	*7839.7*	7657.3	7045.1	5854.5	1531.2	1125.8
82.5°	220.3	217.6	308.1	583.8	2461.0	*3181.3*	5054.4	5035.5	4081.4	746.0	459.5
85°	104.1	106.8	117.6	133.8	155.4	*170.3*	235.2	1378.5	1952.8	355.4	100.0
87.5°	60.8	62.2	73.0	93.2	121.6	*135.1*	160.8	206.8	254.1	196.0	21.6
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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CATALOG NUMBER: GALN-SA7A-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
2.5°	110.8	109.5	105.4	101.4	97.3	94.6	93.2	94.6	94.6	96.0	96.0
5°	110.8	106.8	100.0	91.9	86.5	81.1	78.4	77.0	78.4	78.4	78.4
7.5°	109.5	102.7	93.2	83.8	77.0	70.3	67.6	66.2	66.2	67.6	67.6
10°	106.8	100.0	87.8	77.0	68.9	60.8	56.8	52.7	52.7	52.7	54.1
12.5°	105.4	96.0	81.1	70.3	59.5	50.0	41.9	37.8	39.2	39.2	39.2
15°	102.7	91.9	77.0	63.5	50.0	37.8	31.1	27.0	28.4	29.7	28.4
17.5°	102.7	90.5	71.6	55.4	39.2	28.4	23.0	20.3	20.3	21.6	21.6
20°	102.7	87.8	67.6	47.3	29.7	21.6	16.2	14.9	14.9	17.6	18.9
22.5°	105.4	87.8	62.2	39.2	24.3	16.2	12.2	10.8	12.2	14.9	16.2
25°	109.5	86.5	56.8	35.1	20.3	12.2	9.5	6.8	8.1	10.8	12.2
27.5°	113.5	85.1	51.4	31.1	16.2	9.5	6.8	5.4	4.1	5.4	5.4
30°	117.6	85.1	45.9	25.7	13.5	6.8	4.1	2.7	1.4	0.0	0.0
32.5°	120.3	82.4	41.9	20.3	10.8	5.4	2.7	1.4	0.0	0.0	0.0
35°	123.0	79.7	36.5	16.2	8.1	4.1	1.4	0.0	0.0	0.0	0.0
37.5°	125.7	75.7	31.1	13.5	6.8	2.7	0.0	0.0	0.0	0.0	0.0
40°	128.4	70.3	25.7	12.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	131.1	66.2	21.6	9.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
45°	137.8	63.5	17.6	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	150.0	60.8	16.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	167.6	58.1	14.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	191.9	56.8	13.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	235.2	55.4	12.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	309.5	54.1	12.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	474.4	51.4	12.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	847.4	50.0	10.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1477.1	51.4	10.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2117.7	54.1	9.5	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	1812.3	47.3	9.5	5.4	2.7	1.4	0.0	0.0	0.0	0.0	0.0
71°	*1477.1*	*41.9*	*9.5*	*5.4*	*2.7*	*1.4*	*1.4*	*0.0*	*0.0*	*0.0*	*0.0*
72.5°	950.1	32.4	8.1	5.4	2.7	2.7	1.4	0.0	0.0	0.0	0.0
75°	401.4	27.0	8.1	5.4	4.1	2.7	2.7	1.4	0.0	0.0	0.0
77.5°	171.6	20.3	8.1	6.8	5.4	4.1	4.1	2.7	1.4	0.0	0.0
80°	64.9	16.2	9.5	8.1	6.8	6.8	5.4	2.7	1.4	0.0	0.0
82.5°	29.7	13.5	9.5	8.1	8.1	6.8	5.4	4.1	2.7	0.0	0.0
85°	18.9	12.2	9.5	8.1	8.1	6.8	6.8	4.1	2.7	0.0	0.0
87.5°	14.9	12.2	9.5	9.5	8.1	8.1	5.4	4.1	1.4	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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

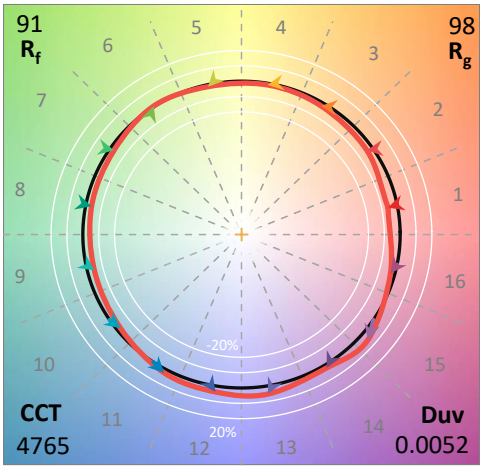
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-17
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-950-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4765
CIE u':	0.2105
CIE v':	0.4941
Duv:	0.0052
CIE x:	0.3536
CIE y:	0.3689
CIE z:	0.2775
Peak Wavelength (nm):	449
Dominant Wavelength (nm):	571
Purity:	16.80041
Rf:	90.7
Rg:	98

CRI (Ra):	90.8				
R1:	89.8	R9:	54.9		
R2:	93.1	R10:	83.0		
R3:	95.3	R11:	89.6		
R4:	90.3	R12:	68.0		
R5:	89.0	R13:	90.6		
R6:	89.7	R14:	97.3		
R7:	94.9	R15:	86.2		
R8:	84.0				



Test Conditions

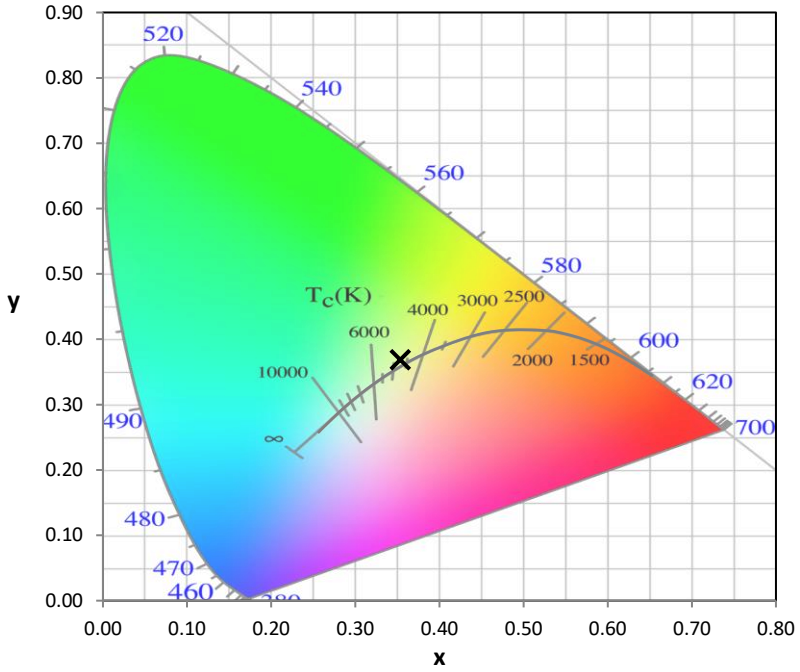
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-17

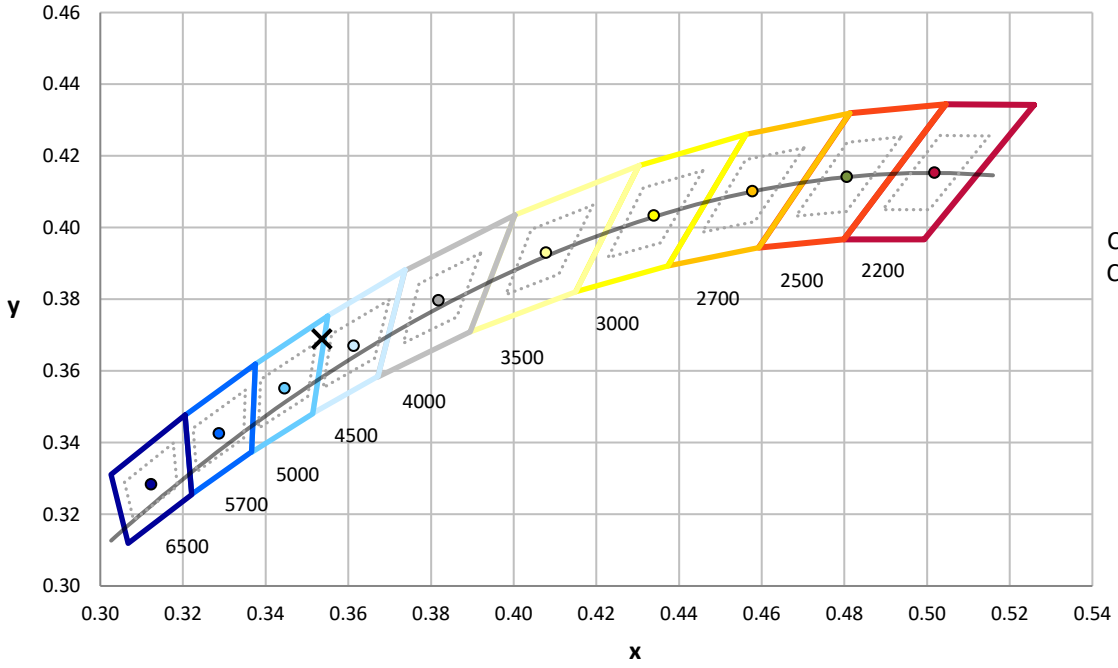
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



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

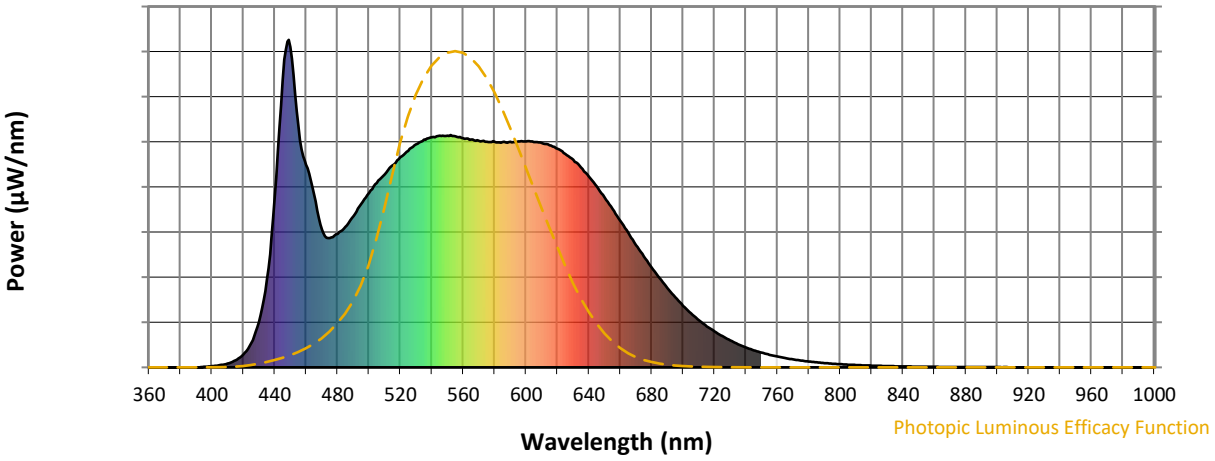


CCT = 4765K
CIE x = 0.3536
CIE y = 0.3689
Duv = 0.0052

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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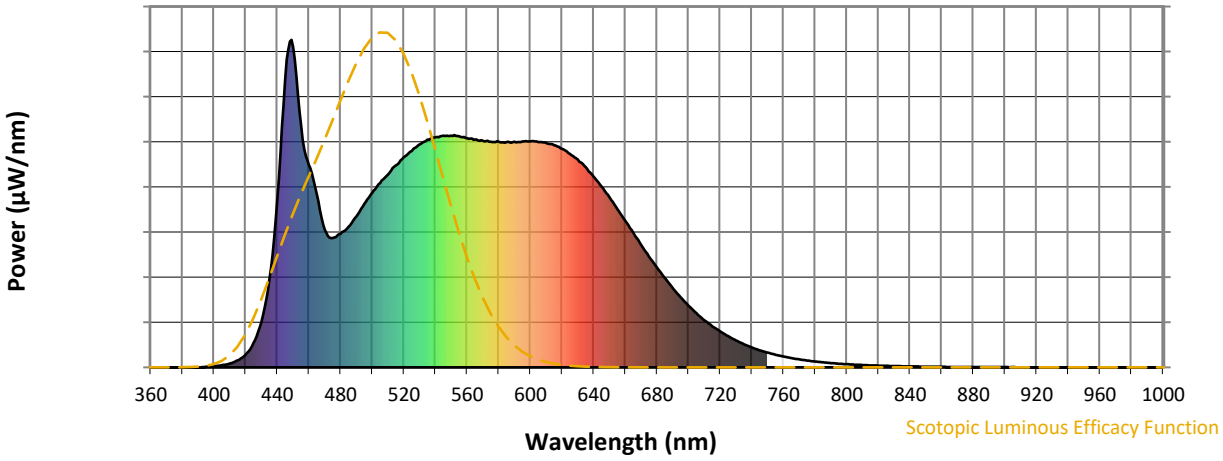
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.99**

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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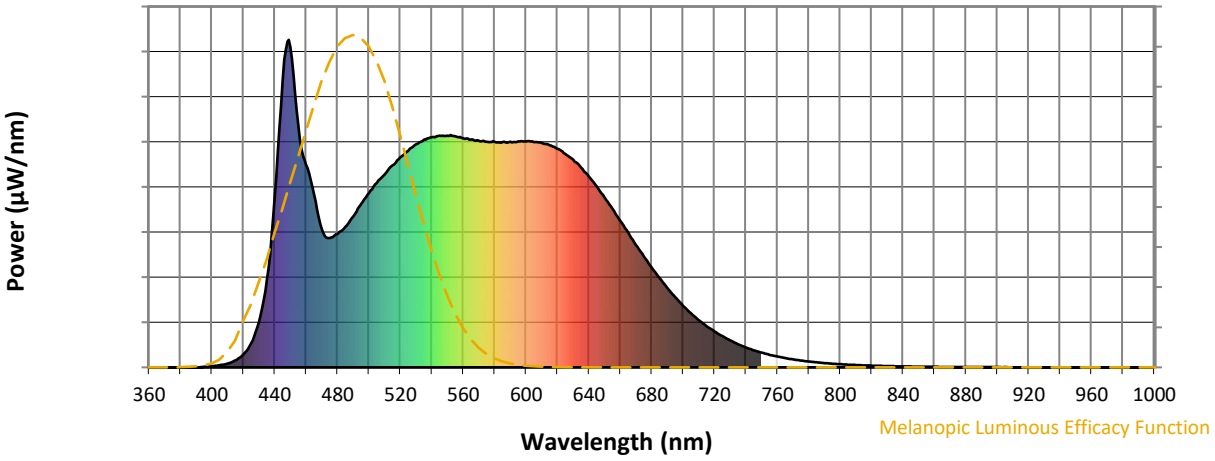
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.22**

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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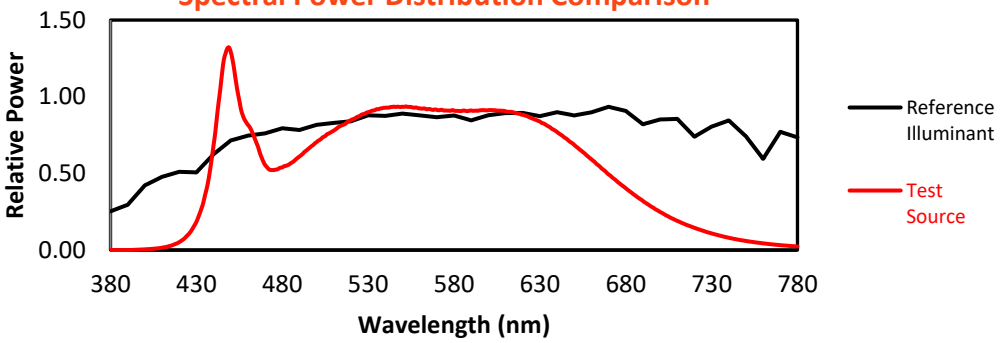
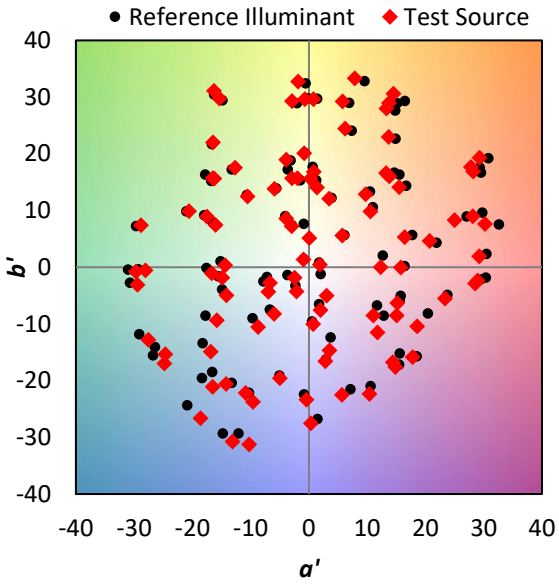
Summary

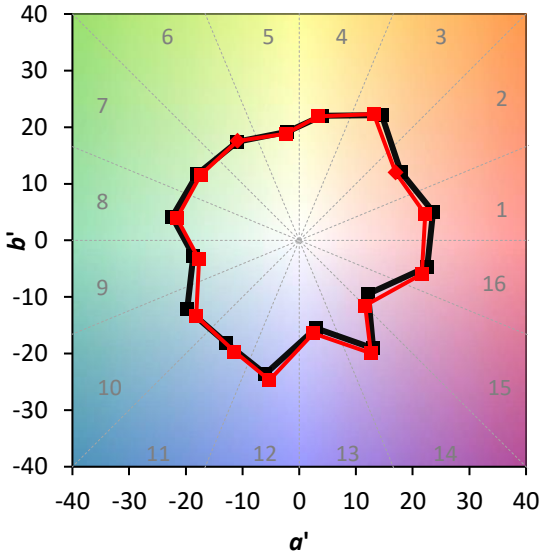
R_f = 90.7
R_g = 98
CIE R_a = 90.8
R_9 = 54.9

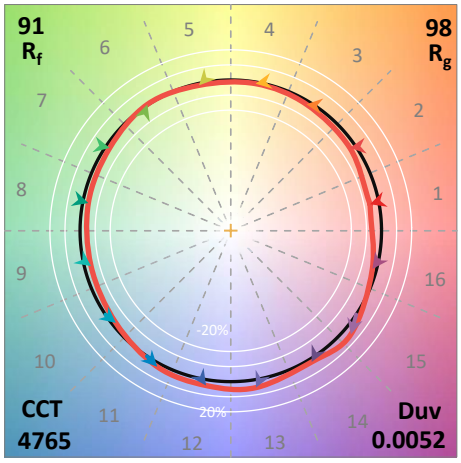
Spectral Power Distribution Comparison

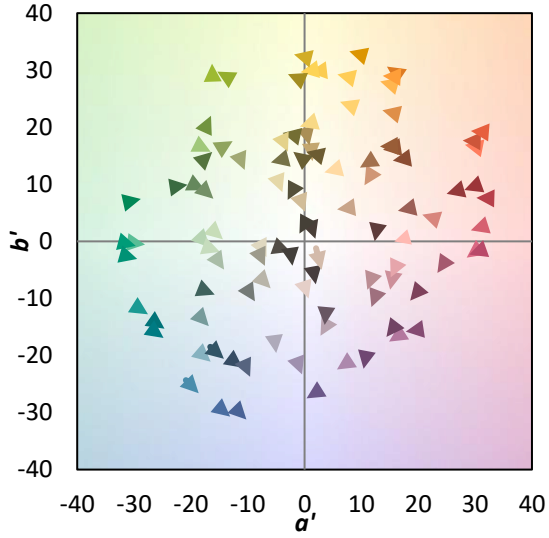


Color Vector Graphics









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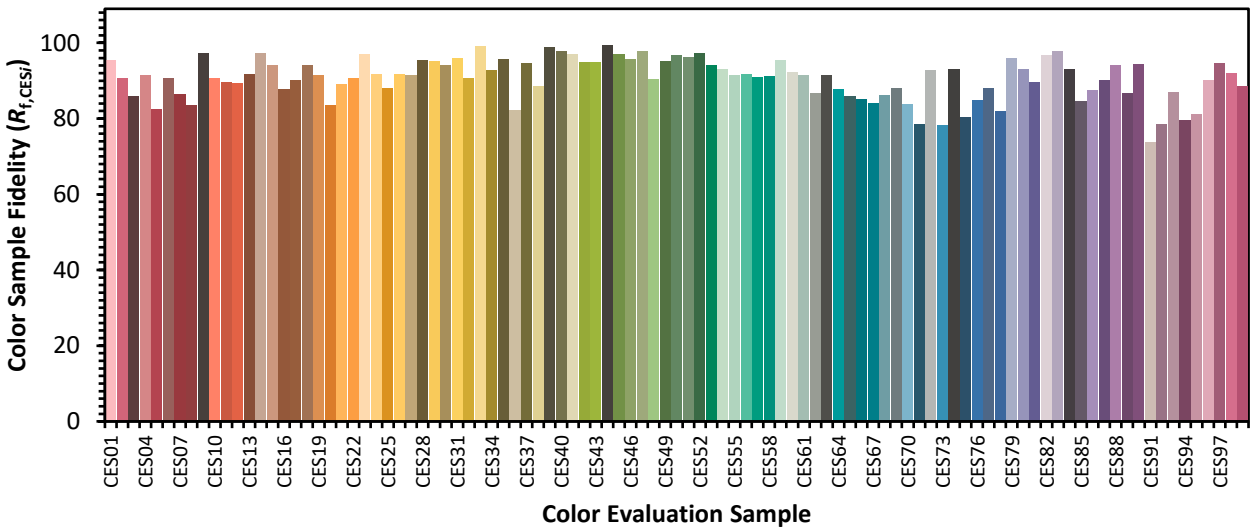
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



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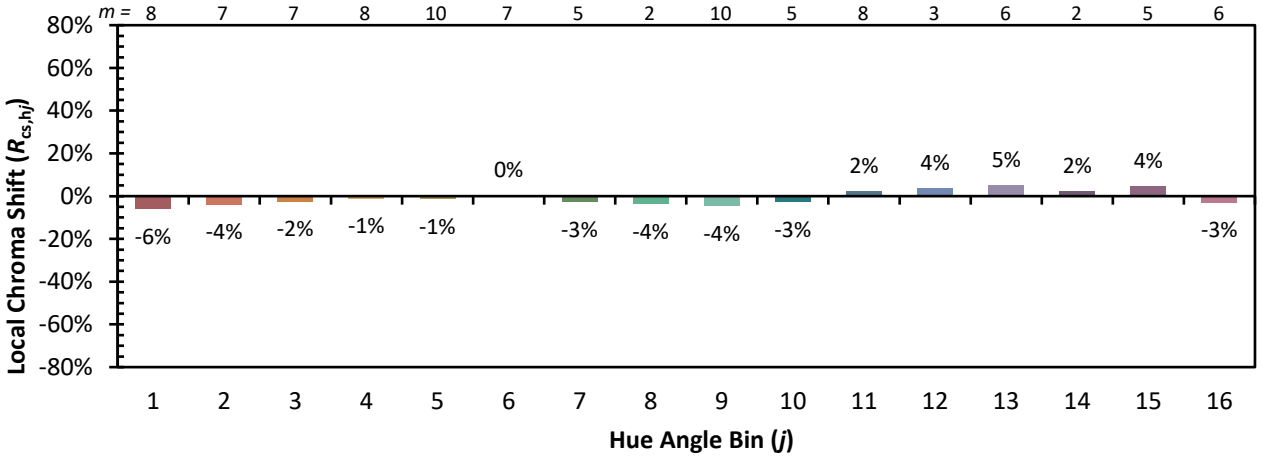
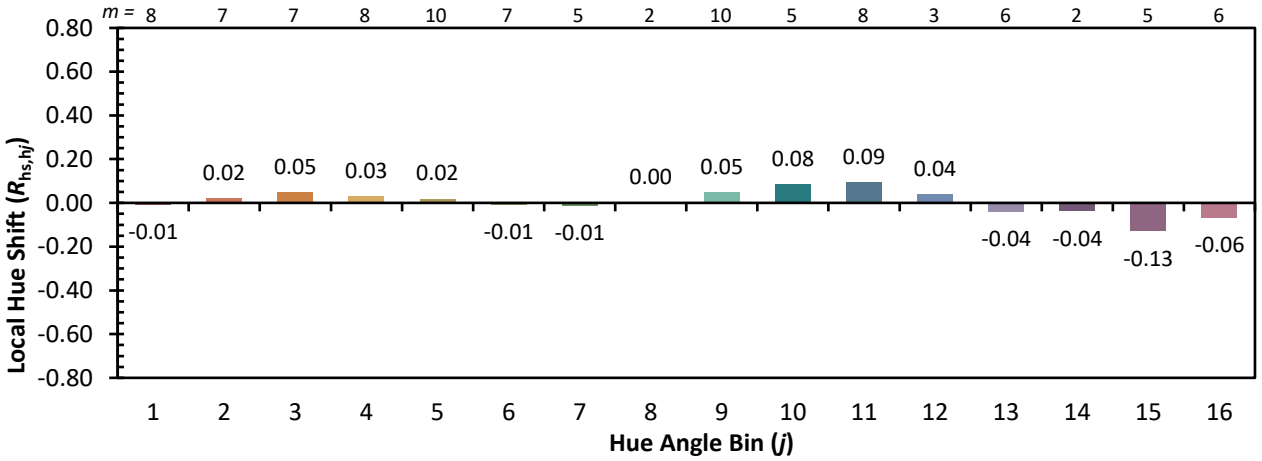
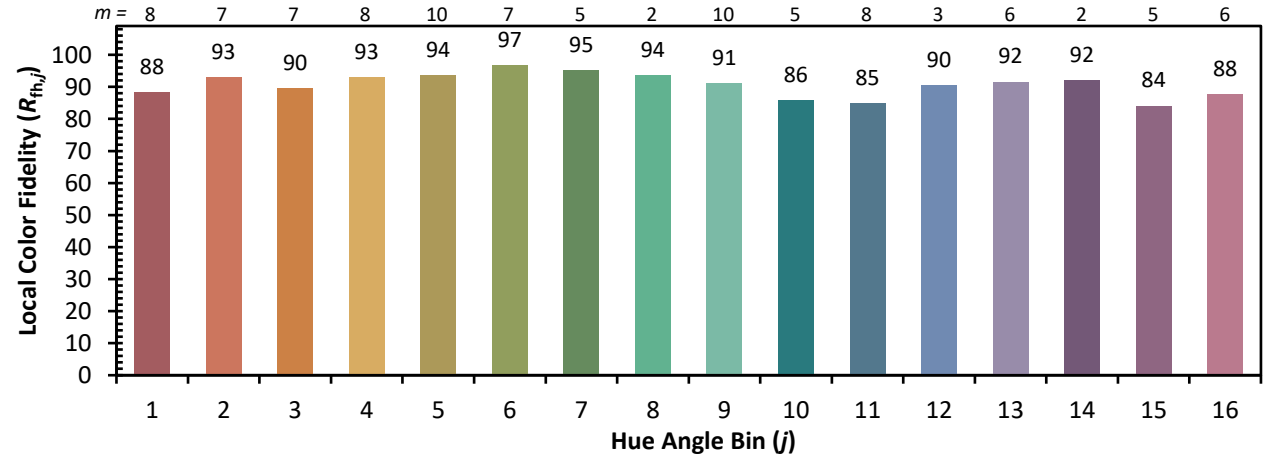
Color Rendition by Hue-Angle Bin







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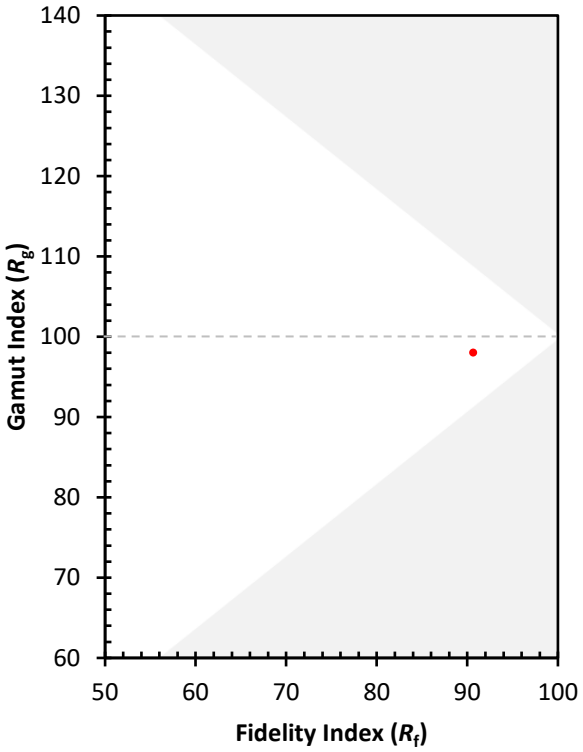
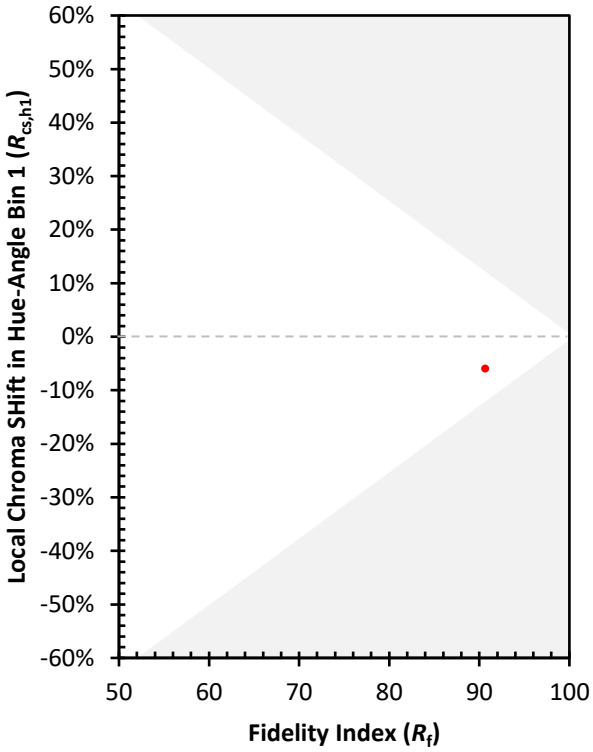
Measure Comparisons





(END OF REPORT)