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: P1047134

Luminaire Tested: **GALN-SA4B-730-U-T3BC**

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:	P1047134
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA4B-730-U-T3BC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE 70CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source:	(56) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18349.7 lumens
Efficiency:	N/A
Efficacy:	127.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	144.1
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: P1047134
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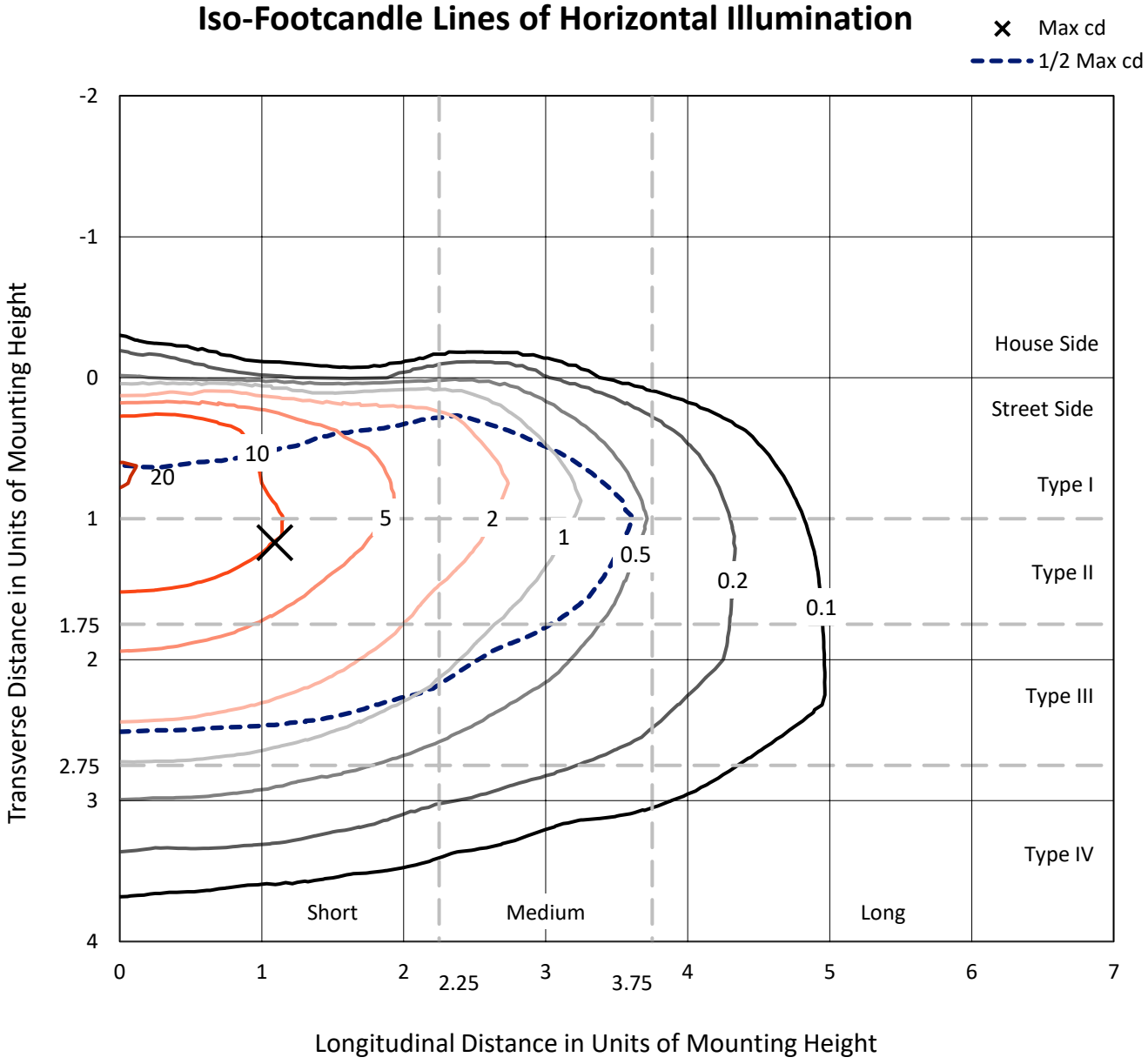
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 20.6 fc
Type III - Short - N/A

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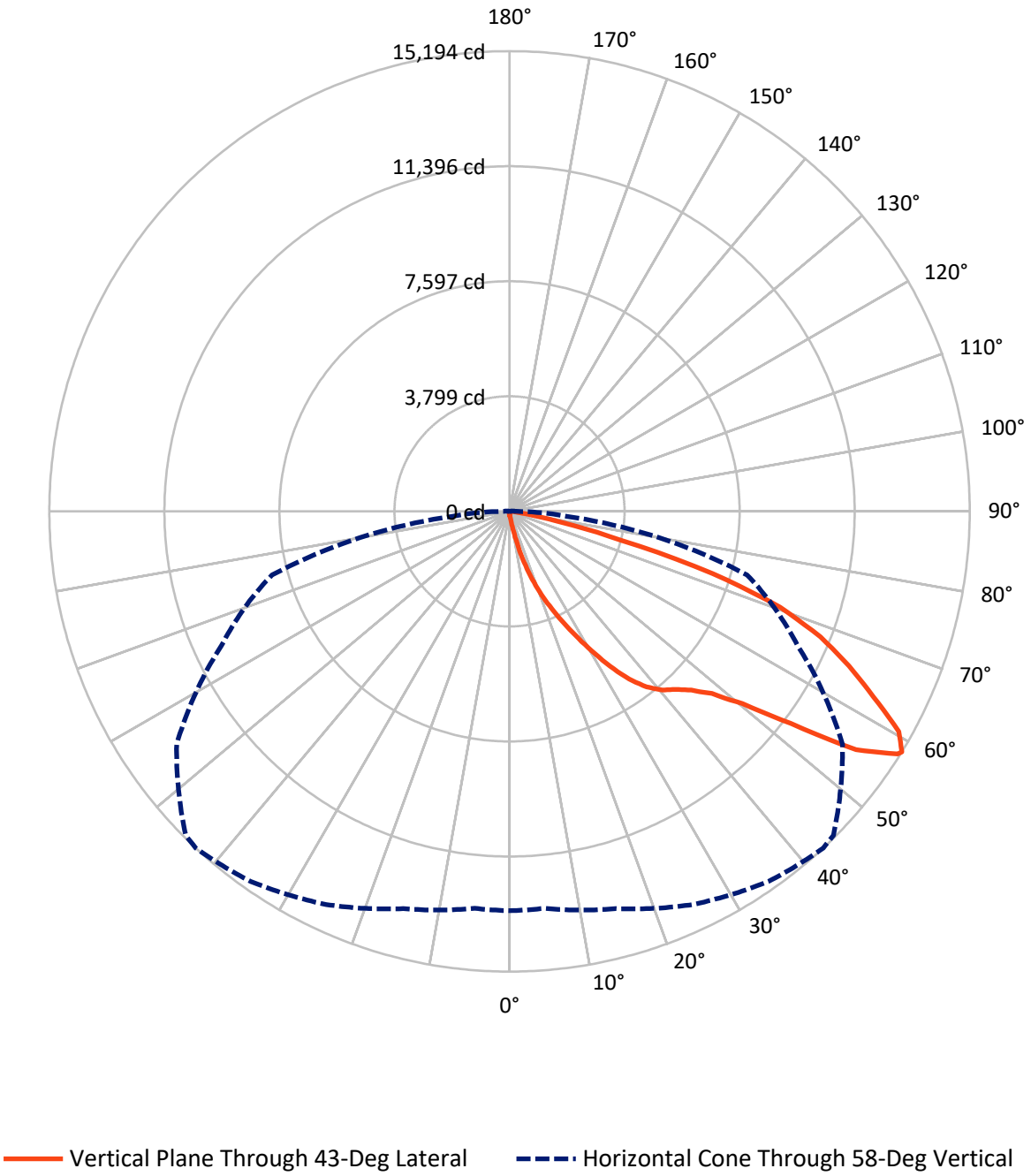
Luminous Intensity Polar Plot



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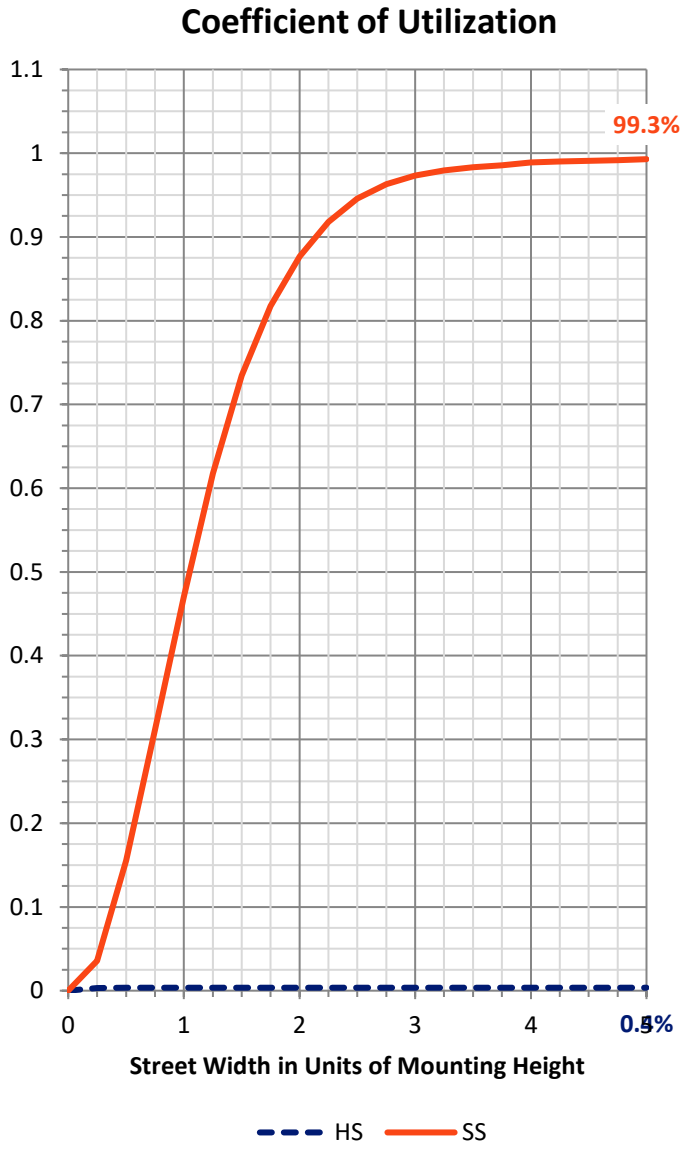
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	67.0	0.0	67.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	18282.7	0.0	18282.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	18349.7	0.0	18349.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.1
10°-20°	210.9	1.1
20°-30°	760.3	4.1
30°-40°	1739.4	9.5
40°-50°	2933.8	16.0
50°-60°	4841.4	26.4
60°-70°	5410.9	29.5
70°-80°	2234.1	12.2
80°-90°	201.4	1.1
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°	18349.7	100.0
0°-180°	18349.7	100.0



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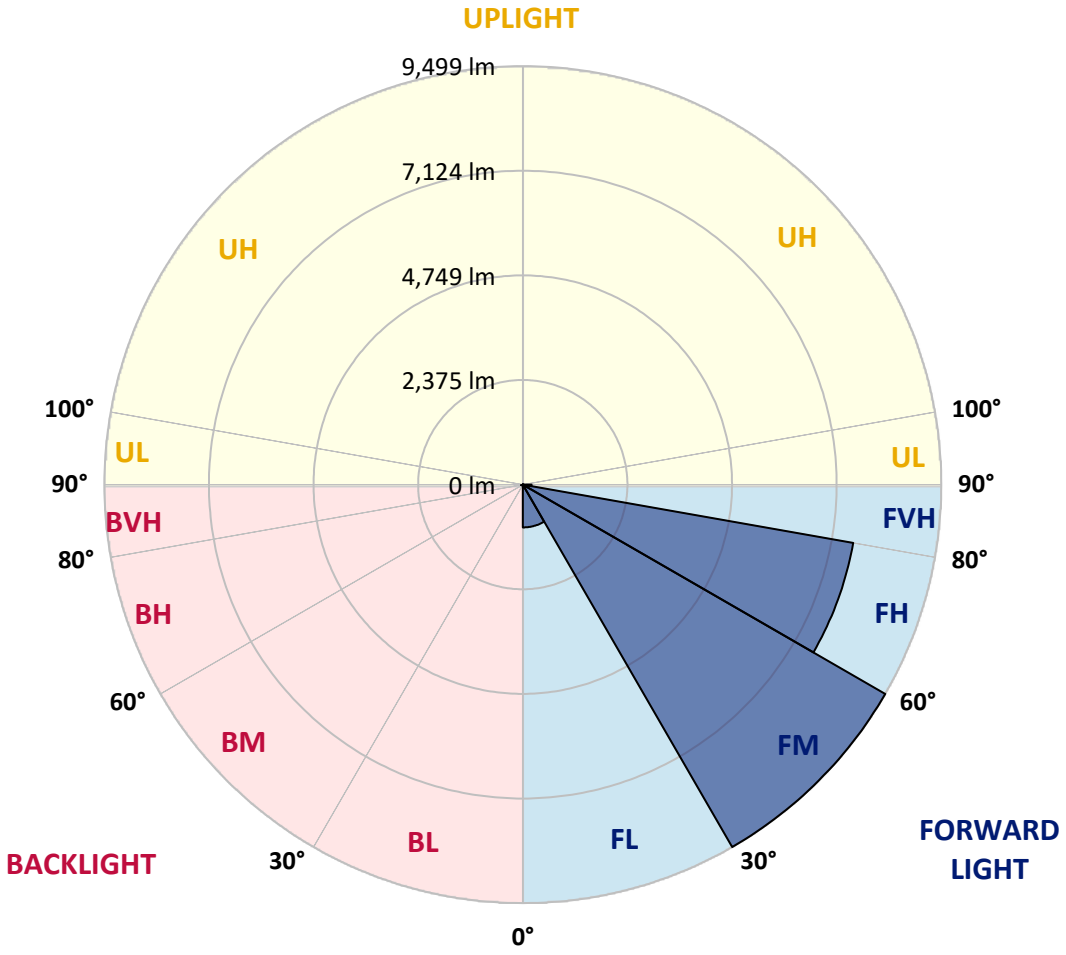
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	971.3	5.3			
FM	(30°-60°)	9498.5	51.8			
FH	(60°-80°)	7614.3	41.5			G4/12000
FVH	(80°-90°)	198.6	1.1			G2/225
BL	(0°-30°)	17.5	0.1	B0/110		
BM	(30°-60°)	16.1	0.1	B0/220		
BH	(60°-80°)	30.7	0.2	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: B0-U0-G4
Type III Short



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REPORT NUMBER: P1047134
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	120.0	120.0	120.0	120.0	120.0	*120.0*	120.0	120.0	120.0	120.0	120.0
2.5°	144.0	148.8	144.0	144.0	144.0	*139.2*	139.2	134.4	134.4	129.6	124.8
5°	211.2	211.2	196.8	187.2	177.6	*172.8*	168.0	158.4	148.8	139.2	129.6
7.5°	470.3	470.3	427.1	369.5	292.8	*249.6*	240.0	196.8	168.0	148.8	129.6
10°	1123.0	1123.0	1027.0	868.7	671.9	*499.1*	446.3	283.2	201.6	158.4	134.4
12.5°	1866.9	1890.9	1770.9	1569.3	1276.6	*974.2*	868.7	518.3	268.8	172.8	134.4
15°	2534.0	2476.4	2442.8	2250.8	1972.5	*1612.5*	1478.2	873.5	388.7	196.8	134.4
17.5°	2985.1	2985.1	2937.1	2807.5	2553.2	*2236.4*	2126.0	1411.0	628.7	225.6	139.2
20°	3513.0	3513.0	3426.6	3335.4	3109.9	*2841.1*	2735.5	2006.1	974.2	288.0	139.2
22.5°	4151.3	4160.9	4064.9	3901.8	3685.8	*3388.2*	3297.1	2558.0	1411.0	383.9	144.0
25°	4928.8	4938.4	4799.2	4645.6	4314.5	*3992.9*	3853.8	3191.5	1943.7	537.5	144.0
27.5°	5787.8	5855.0	5648.7	5384.7	5034.4	*4631.2*	4525.6	3762.6	2471.6	758.3	153.6
30°	6858.1	6858.1	6584.5	6215.0	5835.8	*5336.7*	5202.3	4362.5	3033.1	1051.0	163.2
32.5°	7779.5	7707.5	7357.2	6968.4	6565.3	*6099.8*	5955.8	4991.2	3609.0	1415.8	182.4
35°	8485.0	8422.6	7990.7	7573.1	7222.8	*6795.7*	6622.9	5672.7	4218.5	1828.5	211.2
37.5°	9089.7	9065.7	8480.2	7957.1	7726.7	*7352.4*	7198.8	6315.7	4818.4	2274.8	244.8
40°	9752.0	9675.2	9051.3	8403.4	8057.9	*7755.5*	7616.3	6834.1	5394.3	2797.9	292.8
42.5°	10318.3	10227.1	9665.6	9032.1	8441.8	*8033.9*	7899.5	7270.8	5955.8	3321.0	355.1
45°	10947.0	10899.0	10332.7	9852.8	9065.7	*8413.0*	8235.4	7621.1	6469.3	3944.9	436.7
47.5°	11892.4	11806.0	11278.1	10884.6	9972.7	*8988.9*	8734.5	7981.1	6963.6	4559.2	561.5
50°	12991.4	12933.8	12621.9	12310.0	11402.9	*9972.7*	9670.4	8499.4	7515.5	5288.7	724.7
52.5°	13888.9	13879.3	13917.7	13922.5	13236.2	*11628.5*	11177.3	9334.4	8149.0	6008.6	955.0
55°	13869.7	13912.9	14335.2	14819.9	14872.7	*13888.9*	13452.2	10740.6	8974.5	6896.5	1276.6
57.5°	13351.4	13317.8	13764.1	14493.6	15007.1	*15112.7*	15040.7	12924.2	10217.5	7966.7	1770.9
58°	*13183.4*	*13154.6*	*13576.9*	*14320.8*	*14911.1*	*15194.3*	*15122.3*	*13418.6*	*10495.9*	*8120.2*	*1905.3*
60°	12573.9	12578.7	12828.3	13505.0	14095.3	*14767.1*	14834.3	14829.5	11882.8	9147.3	2582.0
62.5°	11767.6	11729.2	11959.6	12511.5	13029.8	*13481.0*	13596.1	14925.5	13912.9	10452.7	3873.0
65°	10654.2	10596.6	10841.4	11465.3	12022.0	*12314.8*	12319.5	13639.3	14867.9	11854.0	5715.8
67.5°	8585.8	8537.8	9027.3	9828.8	10687.8	*11071.8*	11244.5	11834.8	14061.7	12804.3	6771.7
70°	5259.9	5360.7	6042.2	7299.6	8768.1	*9473.6*	9732.8	9915.1	11974.0	12660.3	5663.1
72.5°	2428.4	2308.4	2889.1	3767.4	5442.3	*7011.6*	7280.4	7995.5	9492.8	10990.2	4223.3
75°	1132.6	1089.4	1223.8	1646.1	2466.8	*3786.6*	4276.1	6382.9	7280.4	7645.1	3047.5
77.5°	580.7	585.5	695.9	748.7	1017.4	*1751.7*	2010.9	4199.3	5336.7	4266.5	2044.5
80°	254.4	264.0	268.8	292.8	412.7	*676.7*	763.1	1948.5	3647.4	2174.0	1118.2
82.5°	163.2	168.0	168.0	168.0	196.8	*268.8*	307.1	782.3	1818.9	1079.8	345.5
85°	86.4	86.4	96.0	120.0	139.2	*163.2*	172.8	249.6	599.9	321.5	81.6
87.5°	48.0	52.8	57.6	72.0	91.2	*110.4*	120.0	172.8	230.4	220.8	19.2
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-SA4B-730-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
2.5°	124.8	120.0	115.2	110.4	105.6	100.8	100.8	100.8	100.8	100.8	100.8
5°	120.0	115.2	110.4	100.8	91.2	86.4	81.6	76.8	76.8	76.8	76.8
7.5°	120.0	115.2	100.8	91.2	81.6	72.0	62.4	62.4	62.4	62.4	62.4
10°	120.0	110.4	96.0	81.6	67.2	57.6	52.8	48.0	48.0	48.0	48.0
12.5°	120.0	105.6	91.2	72.0	57.6	48.0	43.2	38.4	38.4	38.4	38.4
15°	120.0	105.6	86.4	67.2	52.8	38.4	33.6	28.8	28.8	28.8	28.8
17.5°	115.2	100.8	81.6	57.6	43.2	28.8	24.0	19.2	19.2	24.0	24.0
20°	110.4	96.0	72.0	48.0	33.6	24.0	14.4	14.4	14.4	14.4	14.4
22.5°	110.4	96.0	67.2	43.2	28.8	14.4	9.6	9.6	9.6	9.6	14.4
25°	110.4	91.2	57.6	33.6	19.2	9.6	4.8	4.8	4.8	4.8	4.8
27.5°	110.4	91.2	52.8	28.8	14.4	9.6	4.8	0.0	0.0	0.0	0.0
30°	105.6	86.4	48.0	24.0	9.6	4.8	0.0	0.0	0.0	0.0	0.0
32.5°	105.6	81.6	38.4	19.2	9.6	4.8	0.0	0.0	0.0	0.0	0.0
35°	110.4	76.8	33.6	14.4	4.8	0.0	0.0	0.0	0.0	0.0	4.8
37.5°	115.2	72.0	28.8	9.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	120.0	67.2	28.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	129.6	67.2	24.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	139.2	67.2	19.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	158.4	72.0	19.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	172.8	76.8	14.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	192.0	72.0	14.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	216.0	72.0	14.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	235.2	67.2	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	*244.8*	*62.4*	*9.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	292.8	57.6	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	455.9	48.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	926.2	43.2	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1727.7	38.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1934.1	43.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1219.0	33.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	643.1	33.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	321.5	33.6	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	148.8	24.0	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	62.4	14.4	9.6	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.8	14.4	9.6	9.6	4.8	4.8	0.0	0.0	0.0	0.0	0.0
87.5°	14.4	14.4	14.4	9.6	9.6	4.8	4.8	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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

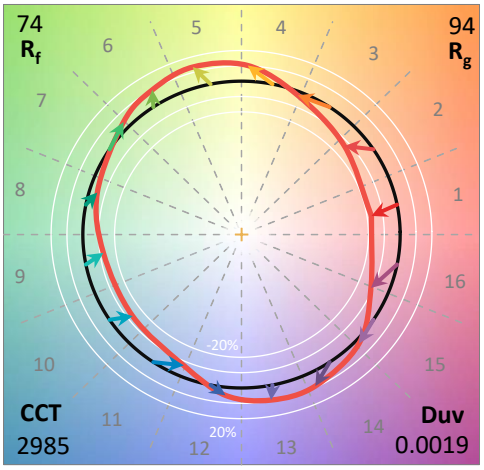
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

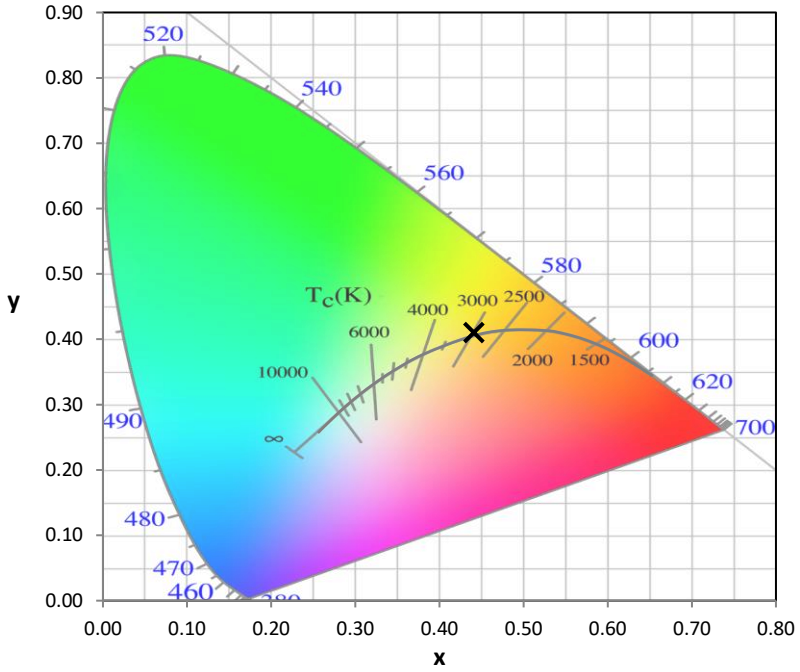
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

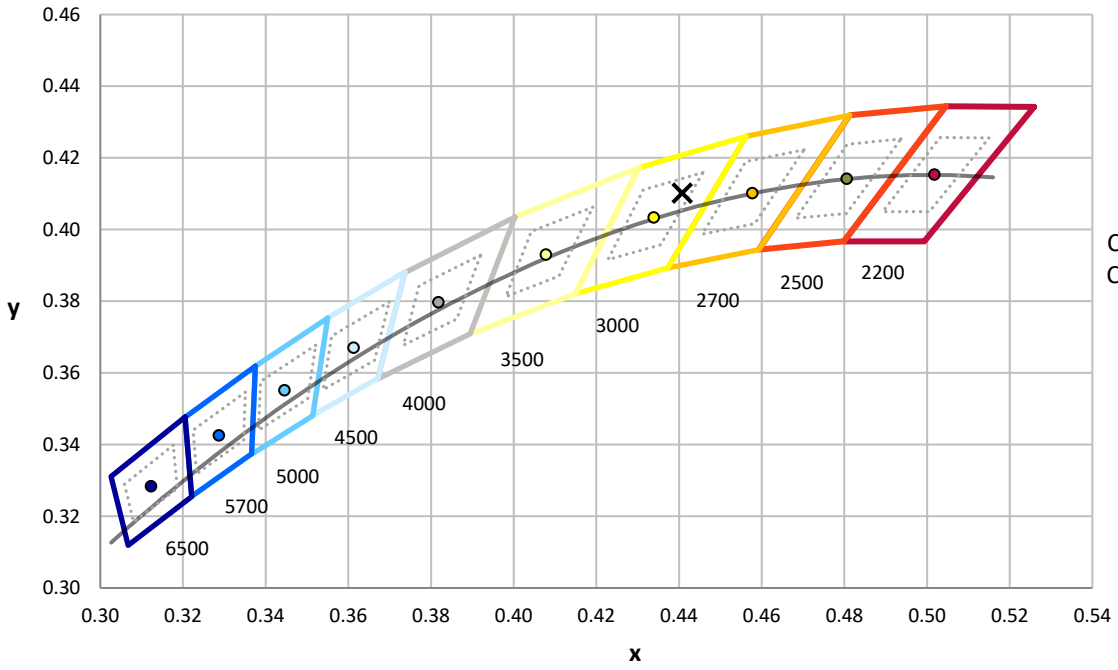
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

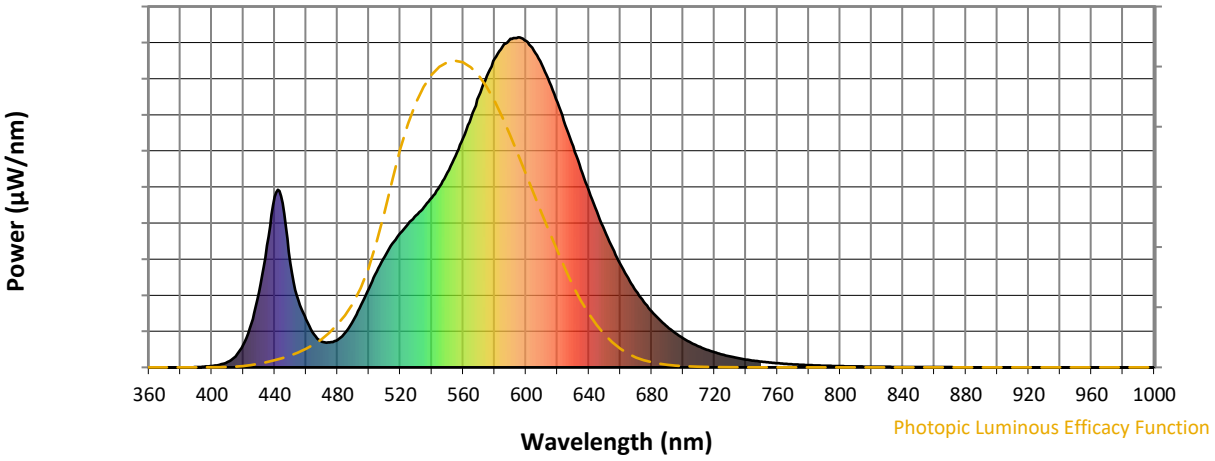


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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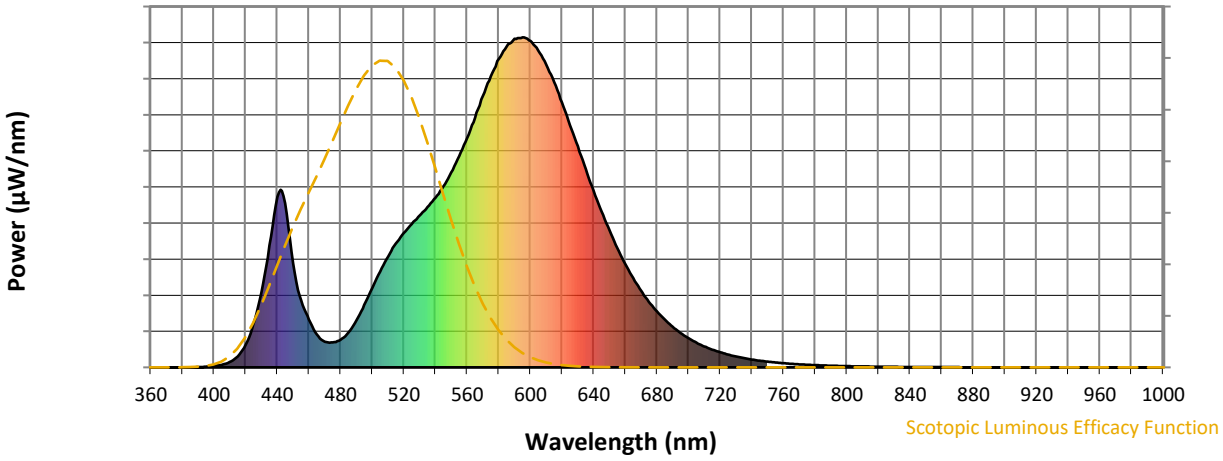
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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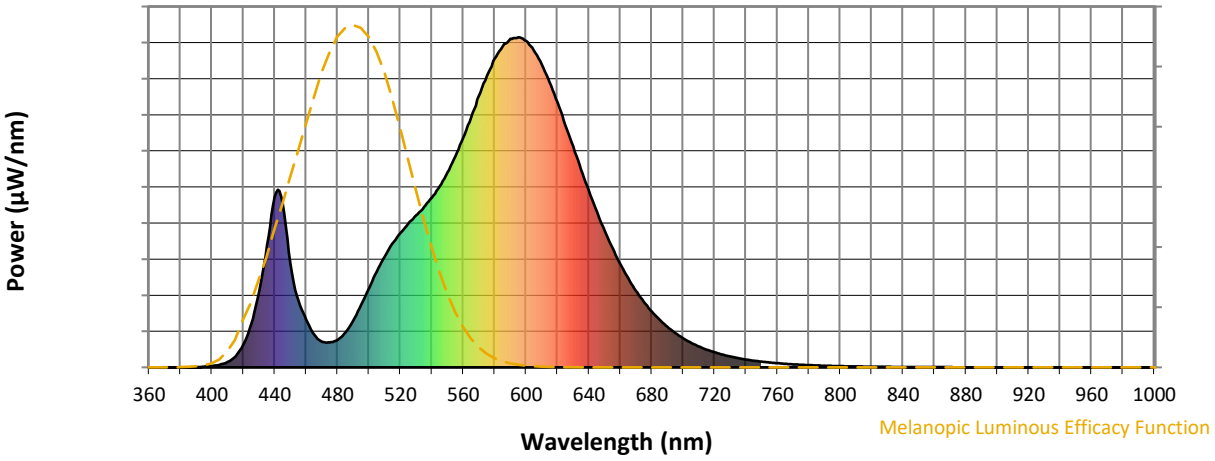
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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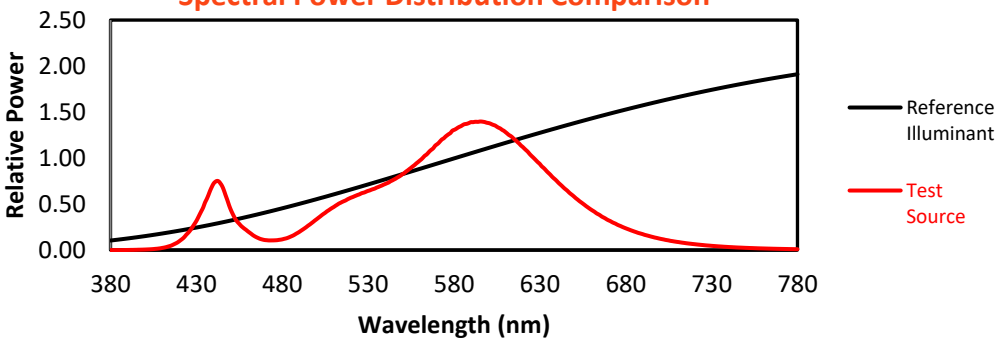
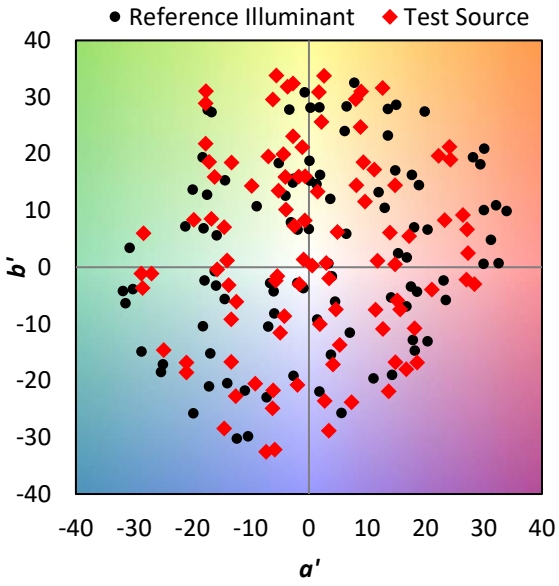
Summary

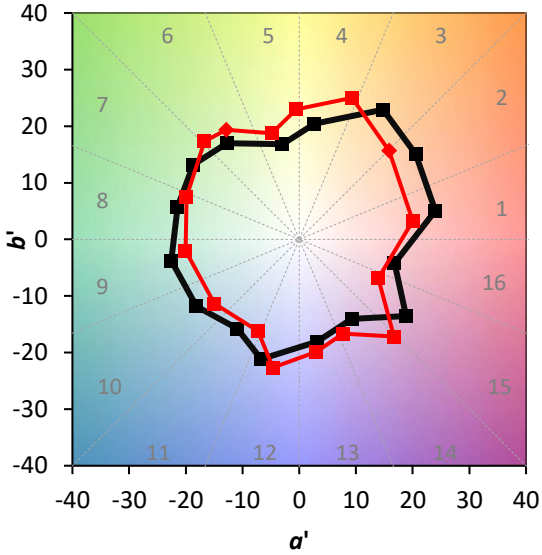
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

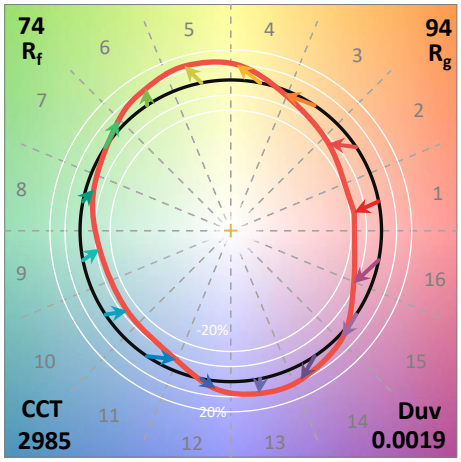
Spectral Power Distribution Comparison

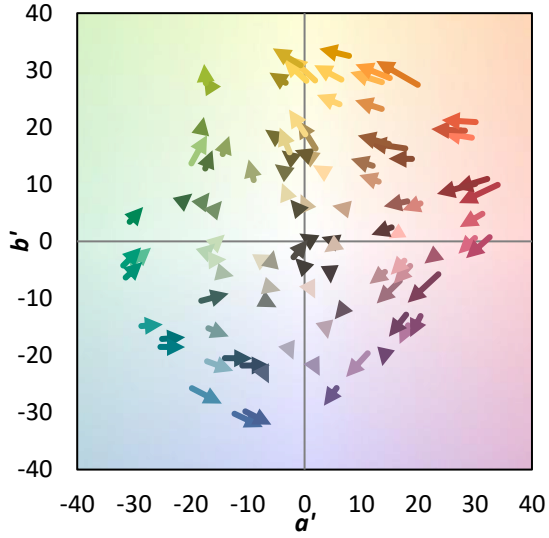


Color Vector Graphics









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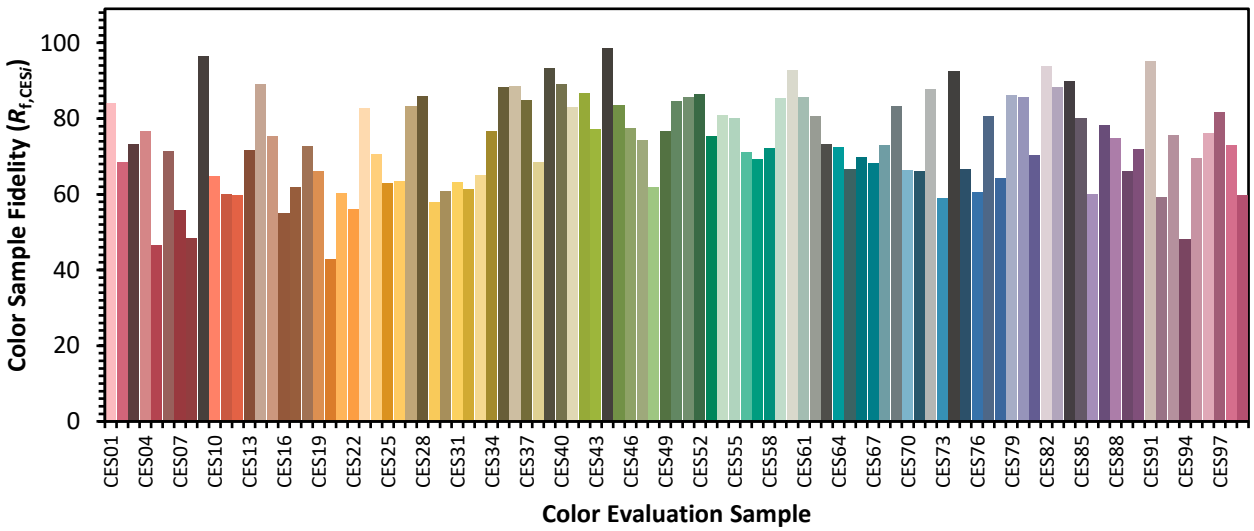
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



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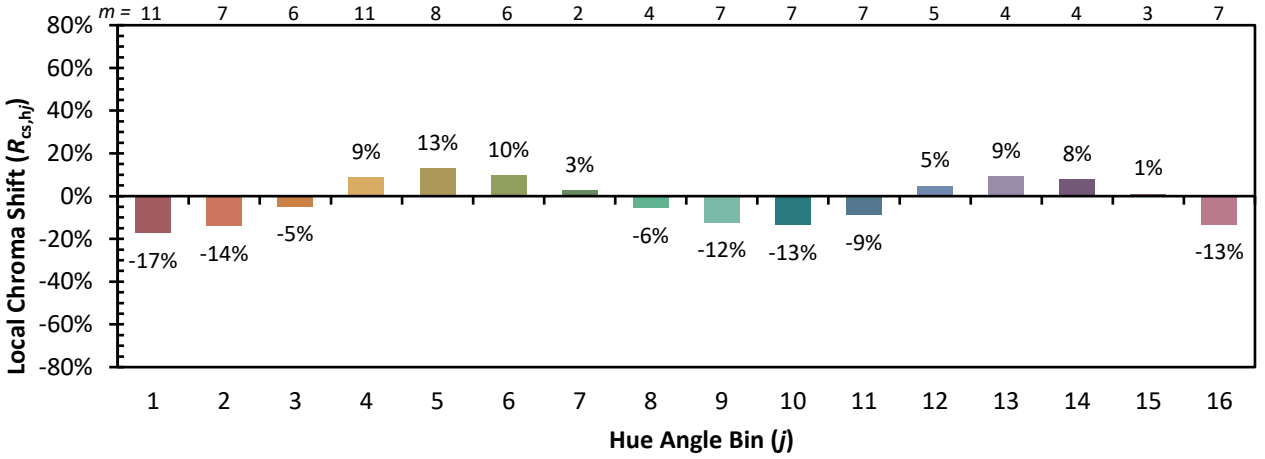
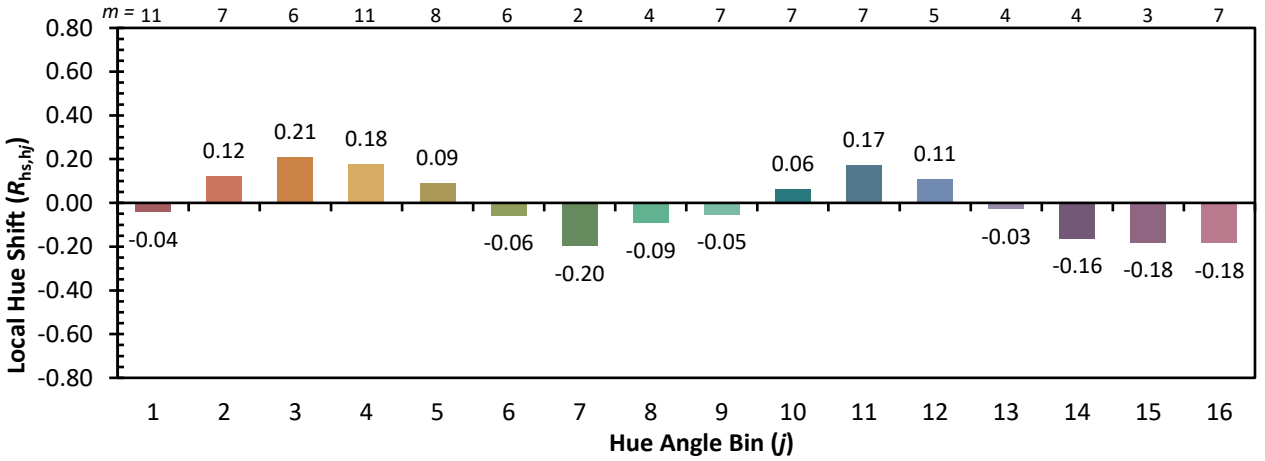
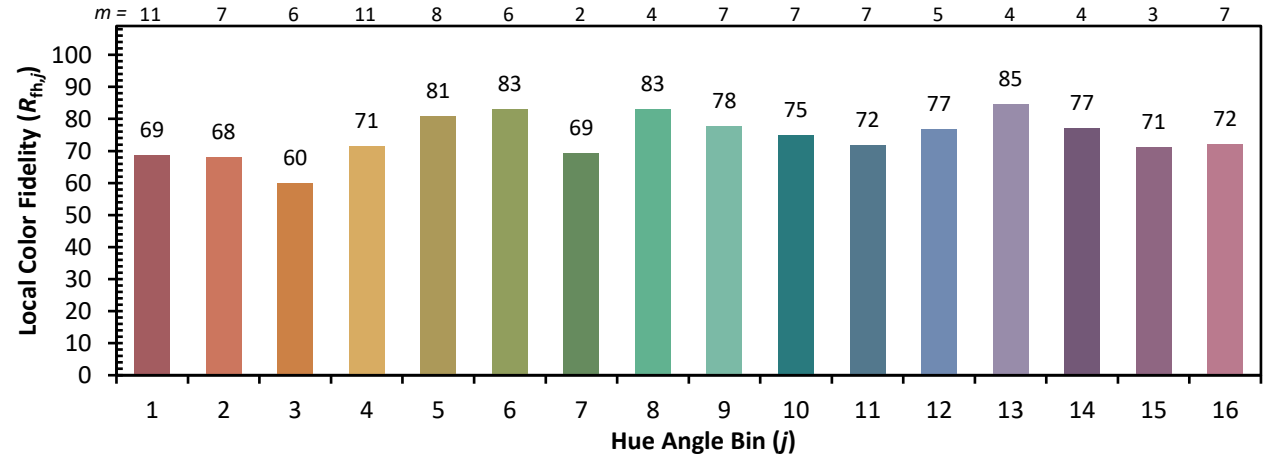
Color Rendition by Hue-Angle Bin







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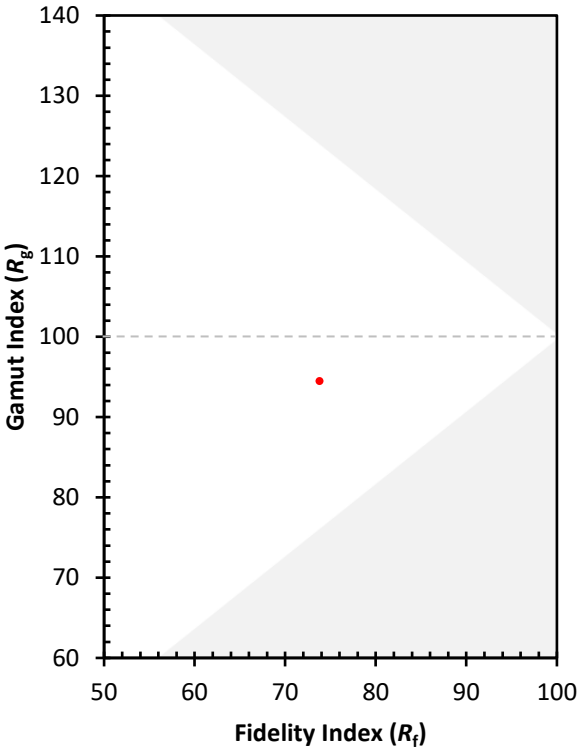
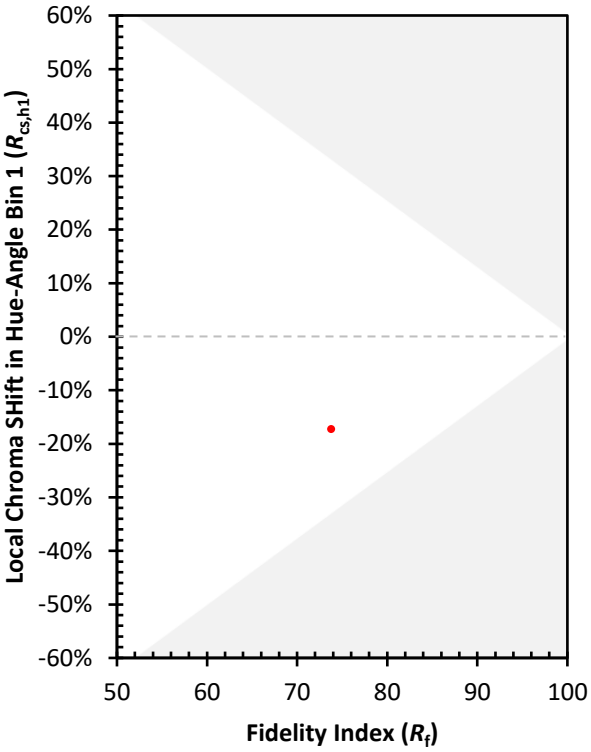
Measure Comparisons





(END OF REPORT)