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: P1048045

Luminaire Tested: **GALN-SA7A-850-U-T2BC**

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:	P1048045
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA7A-850-U-T2BC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE 80CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source:	(98) 5000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22639.1 lumens
Efficiency:	N/A
Efficacy:	117.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type II - 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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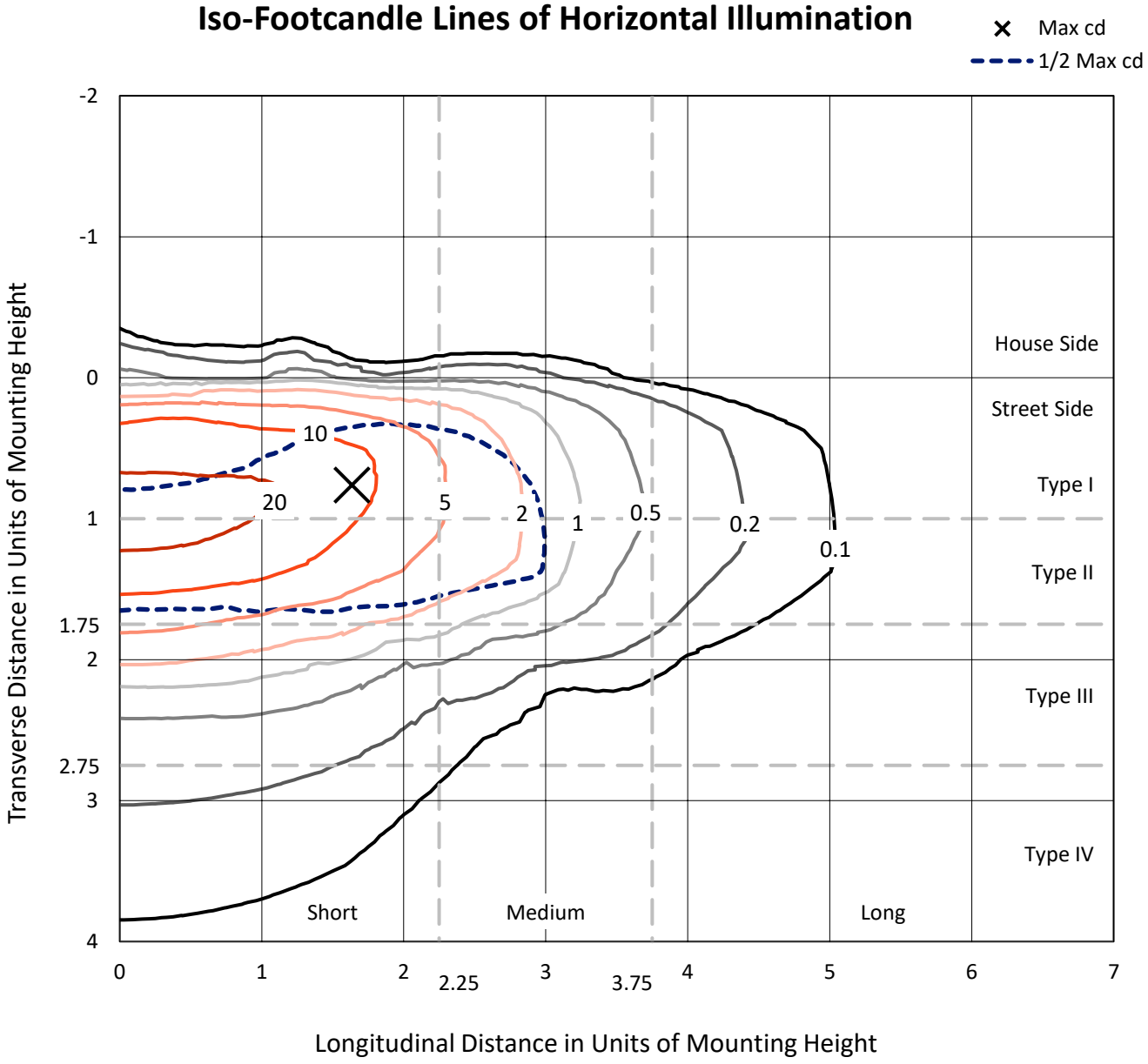
REPORT NUMBER: P1048045
CATALOG NUMBER: GALN-SA7A-850-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 29.9 fc
Type II - Short - N/A

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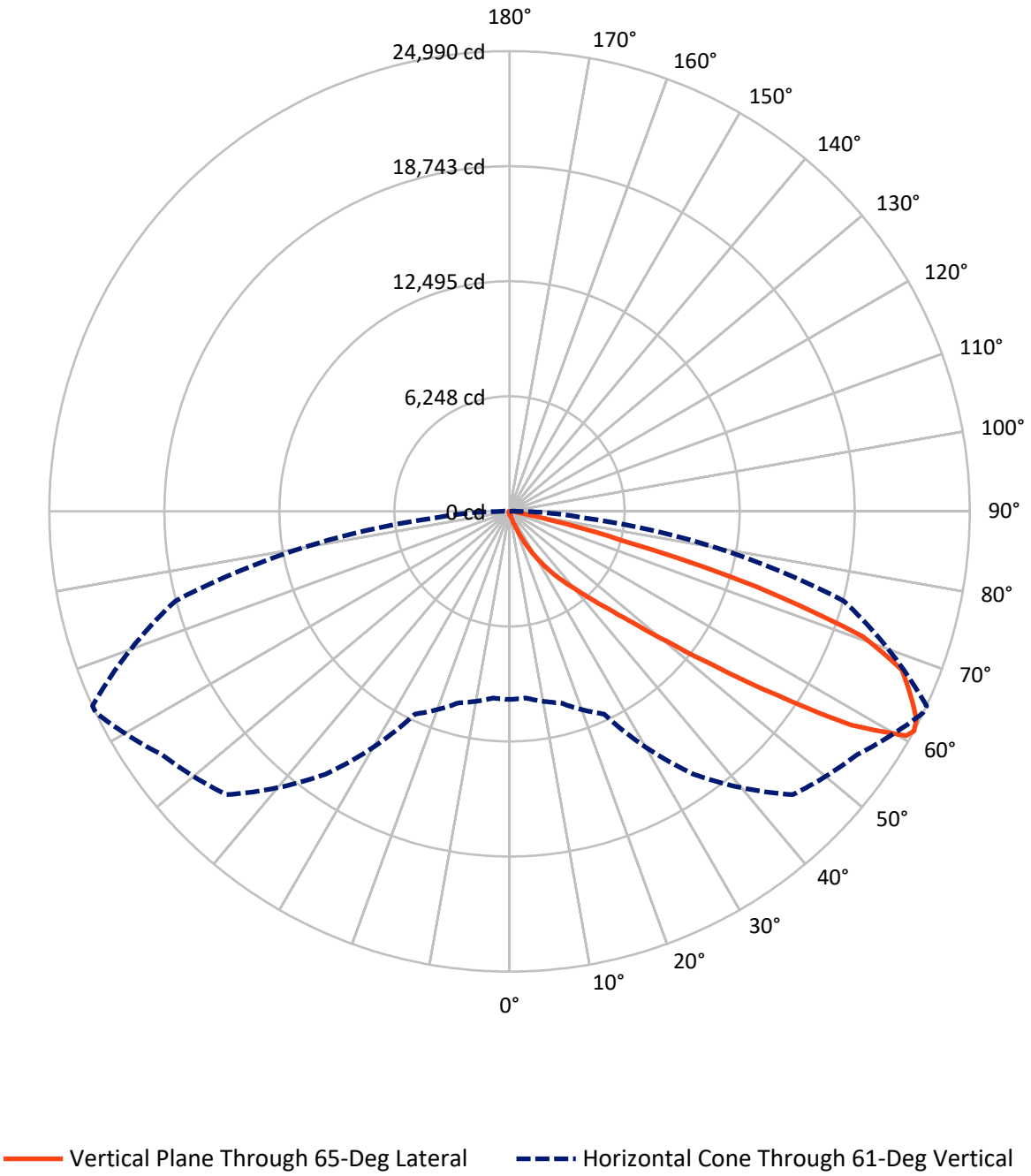
Luminous Intensity Polar Plot



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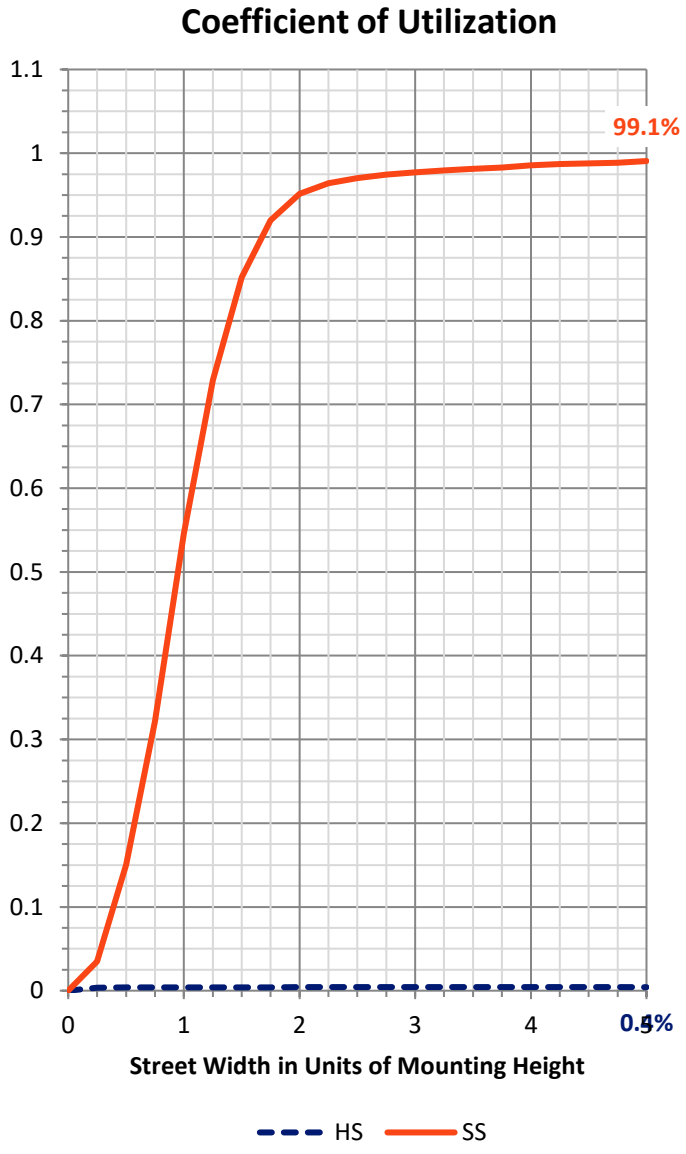
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	96.6	0.0	96.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	22542.4	0.0	22542.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	22639.1	0.0	22639.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	0.1
10°-20°	186.2	0.8
20°-30°	668.1	3.0
30°-40°	1778.8	7.9
40°-50°	4672.8	20.6
50°-60°	7239.1	32.0
60°-70°	6069.9	26.8
70°-80°	1786.3	7.9
80°-90°	220.4	1.0
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°	22639.1	100.0
0°-180°	22639.1	100.0



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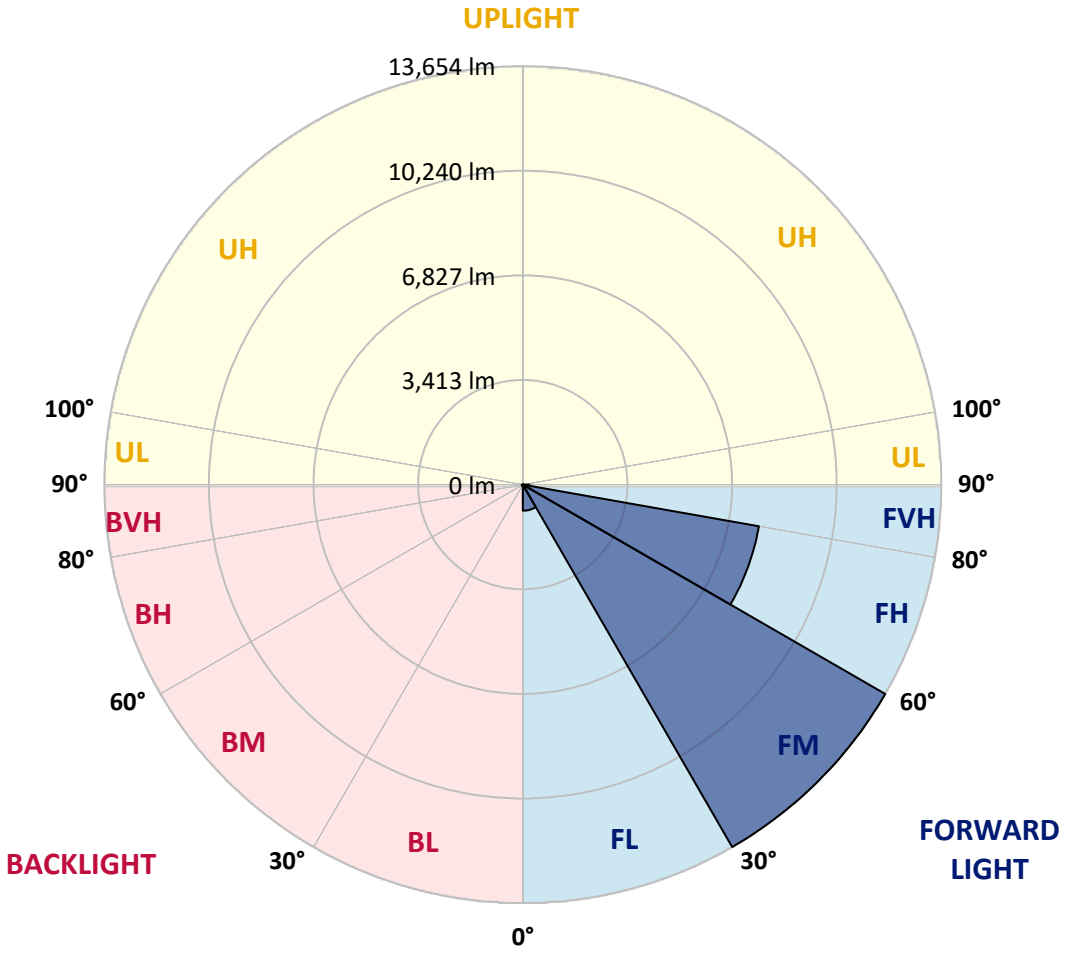
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	850.2	3.8			
FM	(30°-60°)	13653.9	60.3			
FH	(60°-80°)	7822.0	34.6			G4/12000
FVH	(80°-90°)	216.3	1.0			G2/225
BL	(0°-30°)	21.7	0.1	B0/110		
BM	(30°-60°)	36.8	0.2	B0/220		
BH	(60°-80°)	34.1	0.2	B0/110		G0/110
BVH	(80°-90°)	4.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4
Type II Short



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REPORT NUMBER: P1048045
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	*138.6*	138.6	138.6
2.5°	168.2	169.7	166.6	160.4	155.7	155.7	154.2	149.5	*149.5*	144.8	141.7
5°	235.2	232.0	225.8	213.4	202.5	191.6	180.6	169.7	*168.2*	154.2	144.8
7.5°	384.7	387.8	367.5	328.6	295.9	253.8	214.9	191.6	*188.4*	165.1	146.4
10°	844.1	820.7	774.0	622.9	512.4	386.2	286.5	222.7	*219.6*	177.5	149.5
12.5°	1538.6	1519.9	1434.3	1278.6	993.6	691.5	418.9	275.6	*266.3*	188.4	151.1
15°	2217.6	2188.0	2141.3	1984.0	1650.8	1239.6	685.2	376.9	*352.0*	204.0	149.5
17.5°	2650.6	2655.2	2613.2	2546.2	2331.3	1834.5	1183.6	562.2	*513.9*	232.0	146.4
20°	3029.0	3018.1	3041.5	3005.6	2854.6	2493.3	1722.4	890.8	*808.3*	277.2	147.9
22.5°	3465.0	3491.5	3508.7	3500.9	3334.2	3025.9	2334.4	1333.1	*1228.7*	359.7	152.6
25°	4049.0	4045.9	4047.5	4027.2	3865.3	3522.7	2948.0	1882.8	*1776.9*	493.7	163.5
27.5°	4661.1	4679.8	4687.5	4614.4	4402.6	4066.2	3516.4	2483.9	*2359.3*	708.6	177.5
30°	5497.4	5481.8	5446.0	5296.5	5039.5	4622.1	4077.1	3114.6	*2983.8*	1009.1	199.3
32.5°	6624.9	6607.7	6427.1	6096.9	5712.3	5201.5	4640.8	3746.9	*3588.1*	1384.5	228.9
35°	8482.7	8509.2	8065.4	7210.4	6520.5	5897.6	5265.3	4376.1	*4235.9*	1847.0	269.4
37.5°	11328.0	11183.1	10580.5	9069.9	7584.2	6766.6	5861.8	5011.5	*4890.0*	2417.0	322.4
40°	14092.2	13949.0	13774.5	12343.4	9432.7	7724.3	6696.5	5757.4	*5600.1*	3060.1	400.2
42.5°	16998.2	16918.8	16911.0	15831.8	12805.9	9230.3	7701.0	6631.1	*6497.2*	3765.6	527.9
45°	19057.0	18977.6	19144.2	19332.6	17400.0	12457.0	9449.8	7766.4	*7571.7*	4622.1	731.9
47.5°	19334.2	19337.3	19782.7	20372.9	20813.6	17448.3	11779.6	9270.8	*9034.0*	5847.8	1074.6
50°	18412.2	18448.1	19156.6	20212.5	21399.2	21635.9	15887.8	11454.1	*11103.7*	7300.7	1560.4
52.5°	16657.1	16697.6	17685.0	19421.4	20860.4	22641.9	20724.9	14310.3	*13906.9*	9113.5	2245.7
55°	15076.5	15101.4	16233.5	18427.8	20211.0	22095.3	23596.6	18124.1	*17594.7*	11343.6	2921.5
57.5°	13511.3	13453.7	14190.3	16702.3	20100.4	21424.1	24020.2	22470.6	*21886.6*	13780.8	3447.9
60°	11418.3	11321.7	11913.5	13511.3	18645.8	21864.8	23227.5	24875.1	*24742.8*	17174.2	3854.4
61°	*10214.5*	*10174.0*	*10768.9*	*12139.3*	*17421.8*	*21752.7*	*23037.5*	*24976.4*	*24990.4*	*18779.8*	*4036.6*
62.5°	7294.5	7409.7	8319.2	10100.8	14592.1	21025.4	23062.4	24663.3	*24801.9*	20913.3	4508.5
65°	3242.3	3427.7	4134.7	5584.6	8485.9	17490.3	22841.3	23976.6	*23908.0*	21498.9	6134.3
67.5°	1923.3	1951.3	2303.3	3164.5	4494.4	9407.8	20156.4	23068.6	*22976.8*	18715.9	7632.4
70°	1515.3	1529.3	1641.4	1985.6	2608.5	3603.6	11504.0	19958.7	*20358.9*	15176.1	7472.0
72.5°	1437.4	1434.3	1449.9	1510.6	1643.0	1787.8	4453.9	13266.8	*14081.3*	10929.3	6265.1
75°	1418.7	1412.5	1396.9	1373.6	1189.8	1052.8	1379.8	5868.0	*6339.9*	7467.4	4717.1
77.5°	1376.7	1378.2	1381.3	1317.5	1020.0	744.4	668.1	1882.8	*2315.7*	4738.9	3352.9
80°	931.3	945.3	968.7	943.7	917.3	538.8	471.9	669.6	*679.0*	2659.9	2214.5
82.5°	471.9	471.9	461.0	411.1	355.1	350.4	375.3	485.9	*492.1*	1345.5	1041.9
85°	285.0	300.6	306.8	278.8	255.4	235.2	286.5	386.2	*400.2*	521.7	242.9
87.5°	63.9	65.4	71.6	95.0	138.6	188.4	266.3	353.5	*359.7*	334.8	29.6
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-850-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
2.5°	140.2	137.0	135.5	130.8	126.1	121.5	118.4	116.8	118.4	119.9	119.9
5°	138.6	133.9	126.1	118.4	112.1	105.9	99.7	98.1	98.1	99.7	99.7
7.5°	138.6	130.8	119.9	110.6	101.2	91.9	87.2	84.1	85.7	85.7	85.7
10°	138.6	129.3	115.2	101.2	90.3	79.4	71.6	68.5	68.5	68.5	68.5
12.5°	137.0	127.7	110.6	93.4	77.9	65.4	56.1	51.4	52.9	52.9	52.9
15°	133.9	123.0	104.3	79.4	62.3	49.8	40.5	35.8	37.4	40.5	42.0
17.5°	129.3	118.4	93.4	67.0	49.8	37.4	28.0	24.9	26.5	31.1	31.1
20°	127.7	113.7	82.5	54.5	37.4	26.5	18.7	15.6	17.1	23.4	24.9
22.5°	127.7	110.6	74.8	45.2	28.0	17.1	10.9	6.2	6.2	10.9	10.9
25°	129.3	109.0	68.5	37.4	20.2	12.5	6.2	3.1	6.2	17.1	20.2
27.5°	132.4	107.5	65.4	31.1	15.6	10.9	4.7	10.9	18.7	18.7	18.7
30°	135.5	104.3	60.7	26.5	14.0	7.8	7.8	15.6	15.6	18.7	20.2
32.5°	140.2	102.8	57.6	23.4	10.9	6.2	10.9	9.3	9.3	10.9	12.5
35°	149.5	104.3	54.5	23.4	10.9	7.8	9.3	4.7	3.1	3.1	3.1
37.5°	162.0	105.9	49.8	20.2	9.3	9.3	4.7	0.0	0.0	0.0	0.0
40°	182.2	110.6	46.7	18.7	7.8	7.8	1.6	0.0	0.0	0.0	0.0
42.5°	216.5	119.9	45.2	17.1	7.8	6.2	0.0	0.0	0.0	0.0	0.0
45°	285.0	141.7	42.0	15.6	7.8	3.1	0.0	0.0	0.0	0.0	0.0
47.5°	409.6	193.1	40.5	12.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0
50°	598.0	261.6	38.9	10.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	763.1	275.6	26.5	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	781.8	190.0	20.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	622.9	123.0	17.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	471.9	93.4	15.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	*453.2*	*84.1*	*15.6*	*1.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
62.5°	499.9	73.2	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	812.9	60.7	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1412.5	52.9	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1784.7	49.8	9.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1555.8	45.2	9.3	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	936.0	38.9	9.3	6.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	490.6	29.6	9.3	7.8	4.7	1.6	0.0	0.0	0.0	0.0	0.0
80°	238.3	26.5	10.9	7.8	6.2	3.1	0.0	0.0	0.0	0.0	0.0
82.5°	93.4	21.8	12.5	10.9	7.8	4.7	1.6	0.0	0.0	0.0	0.0
85°	42.0	18.7	14.0	12.5	10.9	6.2	1.6	0.0	0.0	0.0	0.0
87.5°	21.8	17.1	15.6	14.0	10.9	7.8	3.1	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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

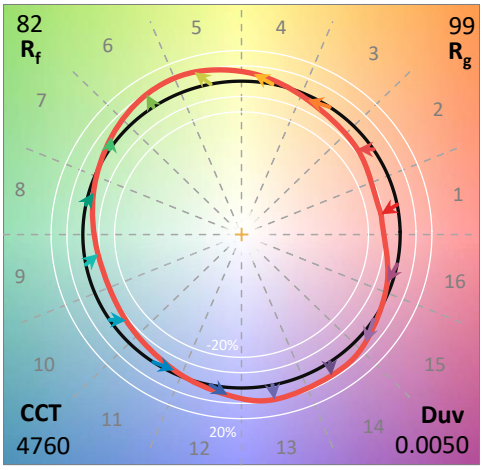
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-12
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-850-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4760
CIE u':	0.2107
CIE v':	0.4939
Duv:	0.0050
CIE x:	0.3537
CIE y:	0.3685
CIE z:	0.2779
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	571
Purity:	16.69598
Rf:	82
Rg:	99.4

CRI (Ra):	81.1				
R1:	79.8	R9:	8.7		
R2:	83.5	R10:	62.4		
R3:	87.9	R11:	83.8		
R4:	83.1	R12:	63.0		
R5:	80.5	R13:	79.9		
R6:	79.1	R14:	93.3		
R7:	86.1	R15:	72.7		
R8:	69.0				



Test Conditions

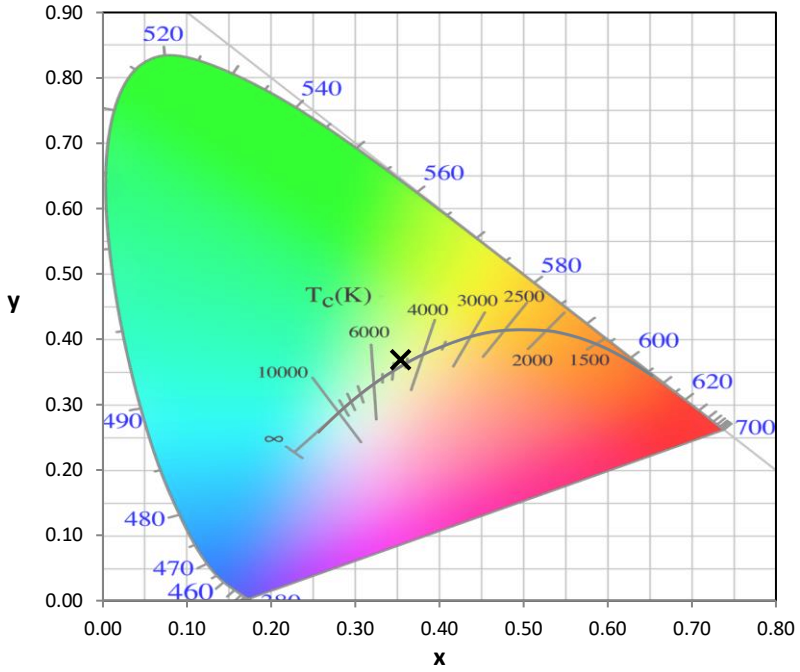
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-12

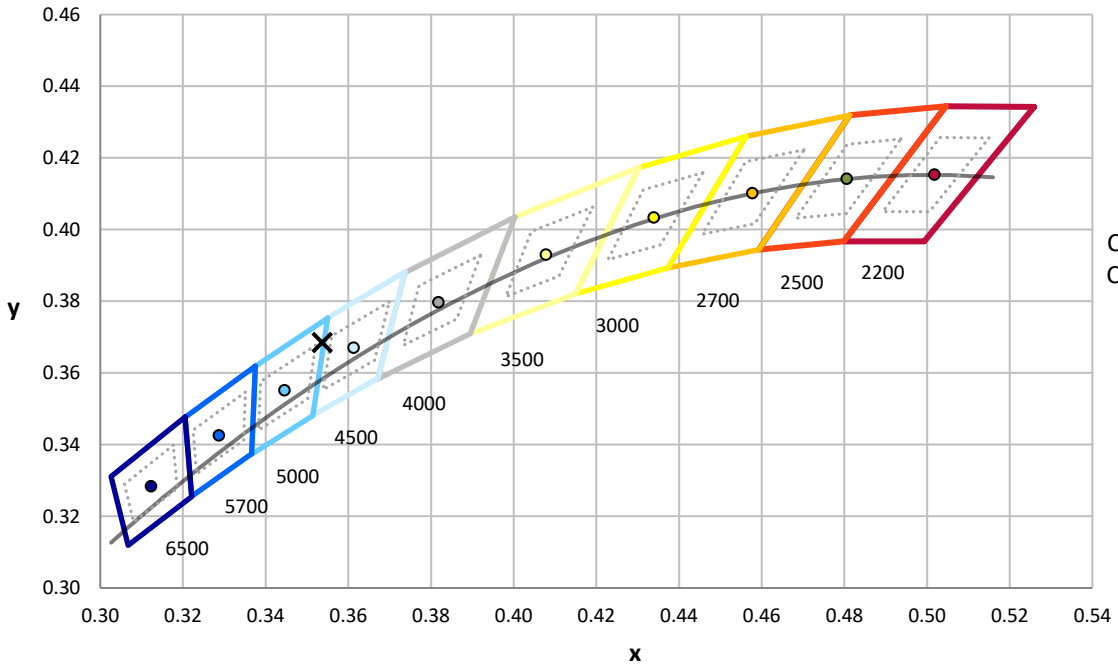
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-12

CIE 1931 Chromaticity Diagram



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

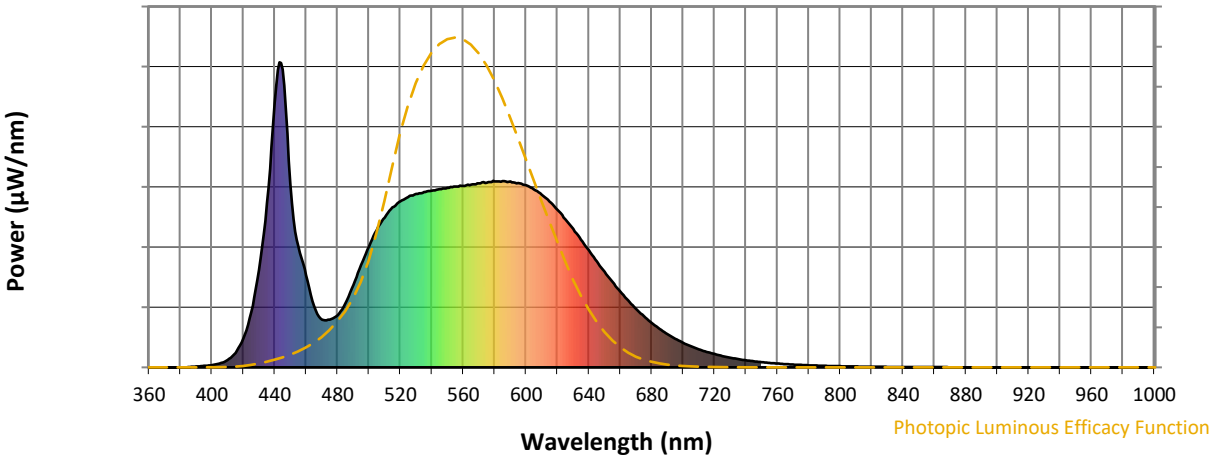


CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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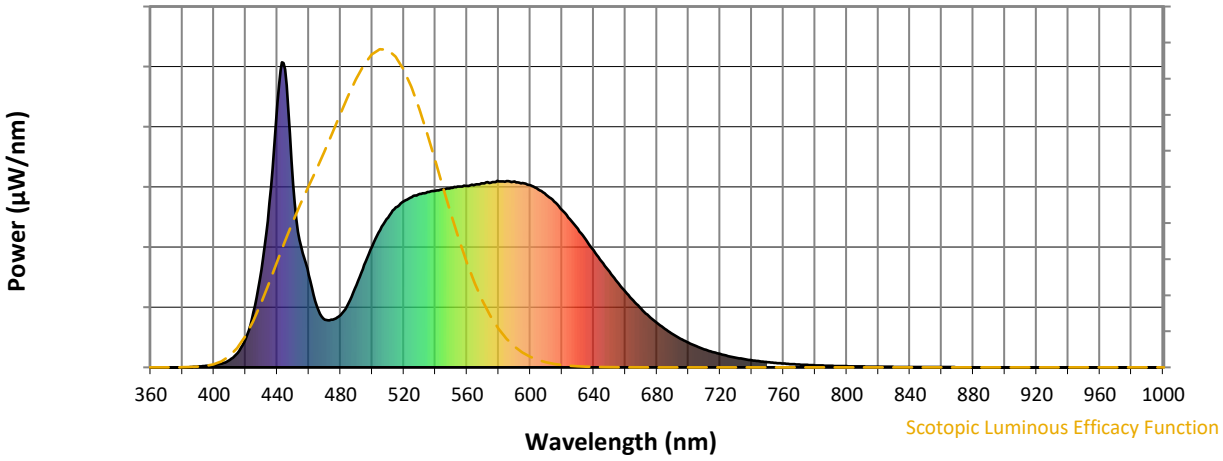
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.83**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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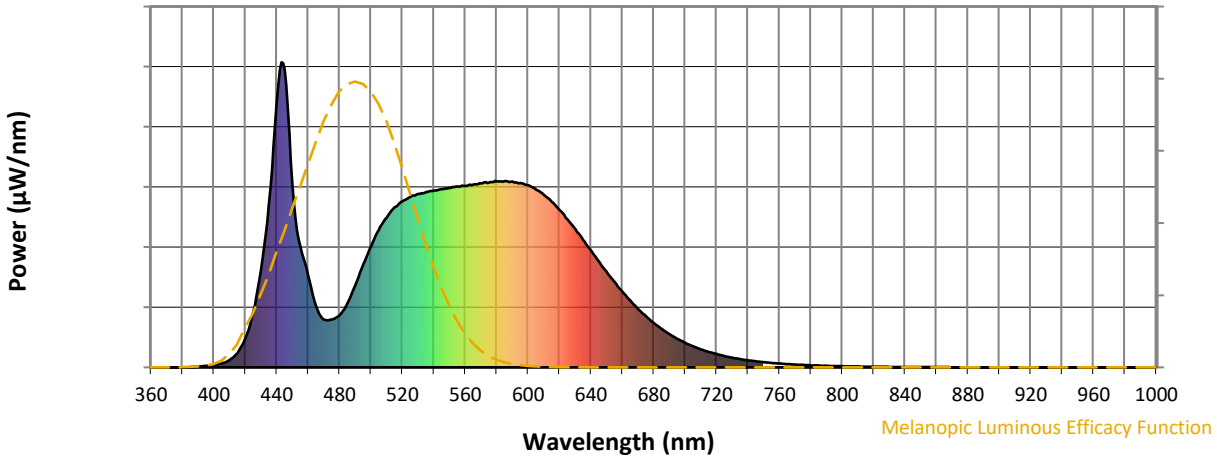
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.74**

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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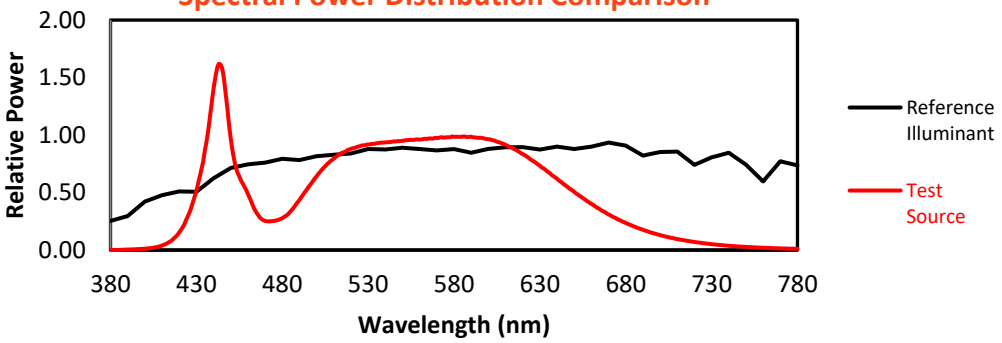
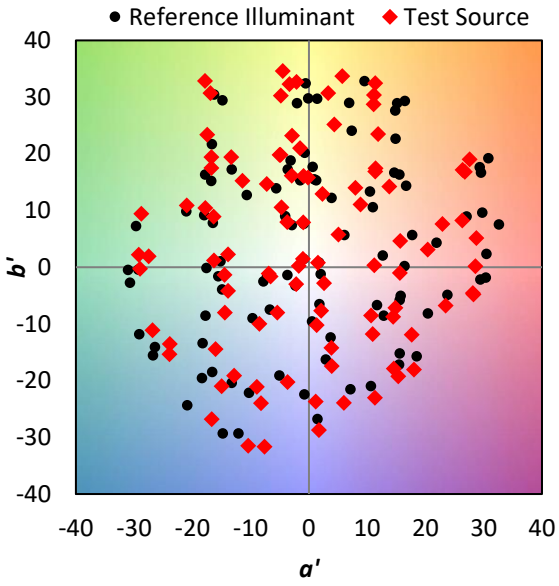
Summary

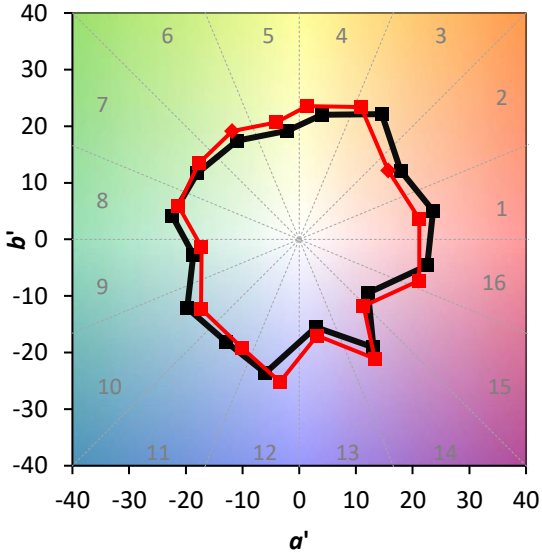
R_f = 82
R_g = 99.4
CIE R_a = 81.1
R_9 = 8.7

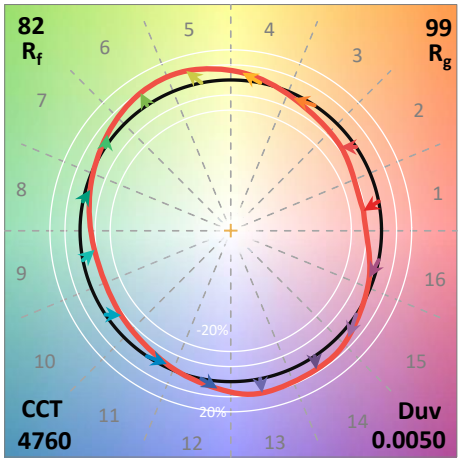
Spectral Power Distribution Comparison

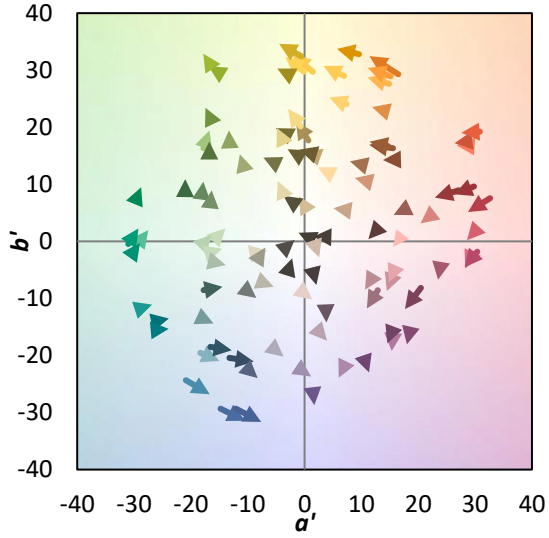


Color Vector Graphics









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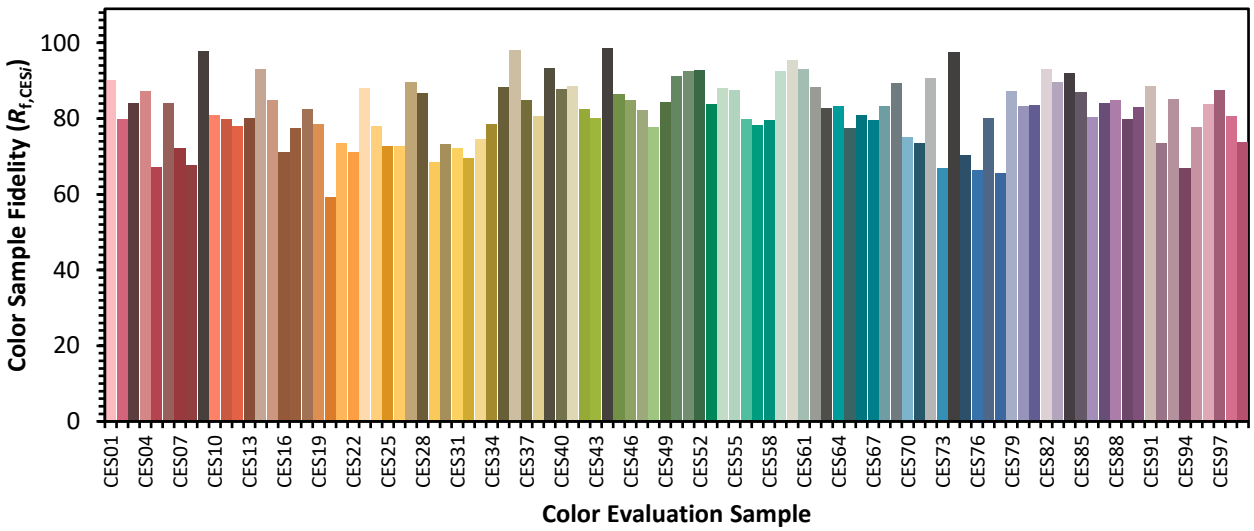
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



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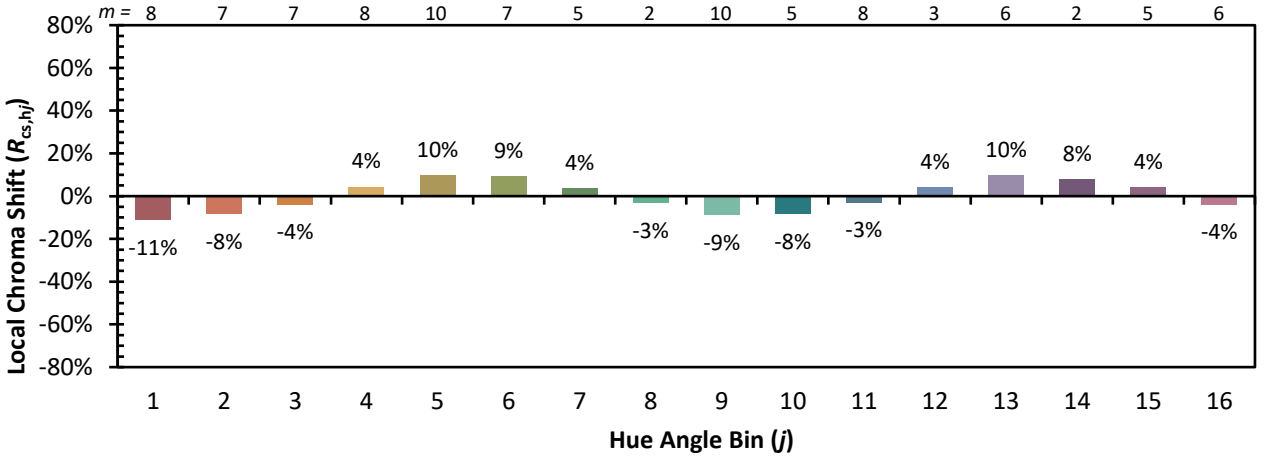
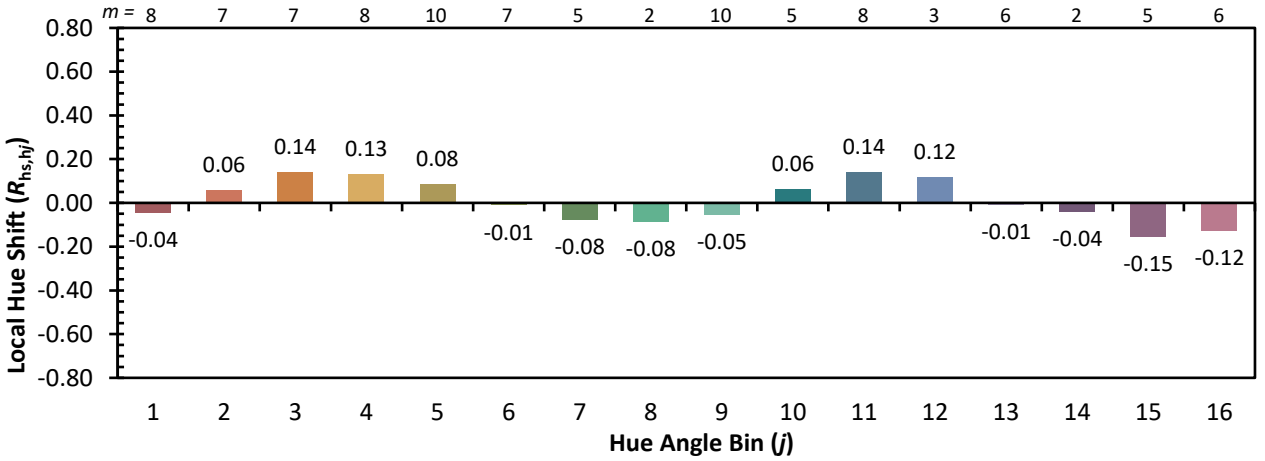
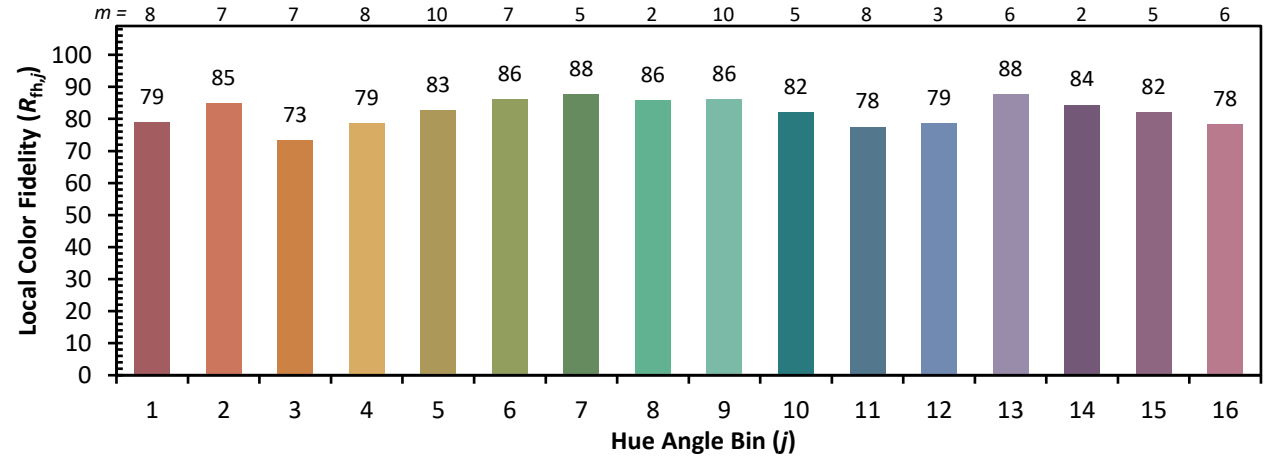
Color Rendition by Hue-Angle Bin







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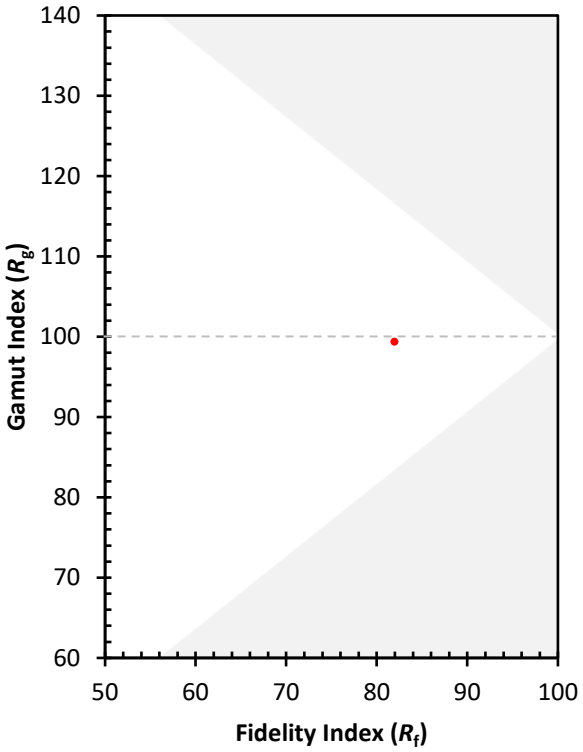
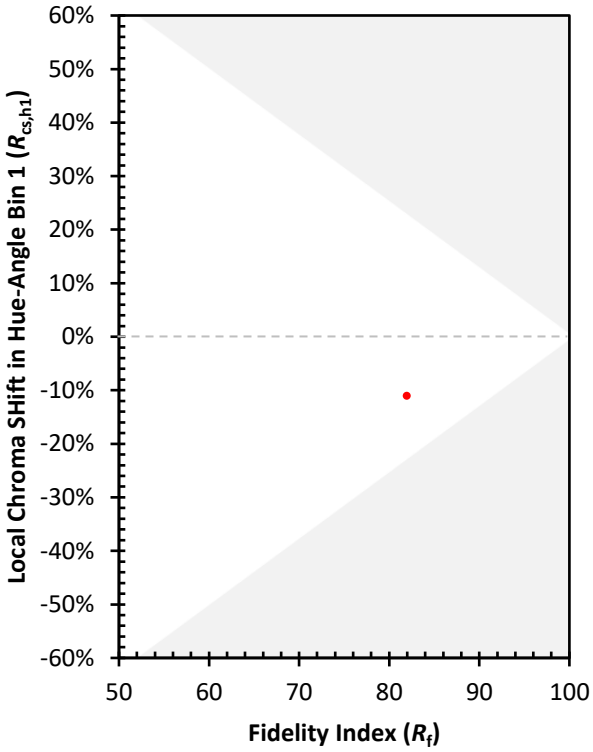
Measure Comparisons





(END OF REPORT)