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: P1048322

Luminaire Tested: **GALN-SA4B-727-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:	P1048322
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA4B-727-U-T4BC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE 70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source:	(56) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16600.9 lumens
Efficiency:	N/A
Efficacy:	115.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - 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: P1048322
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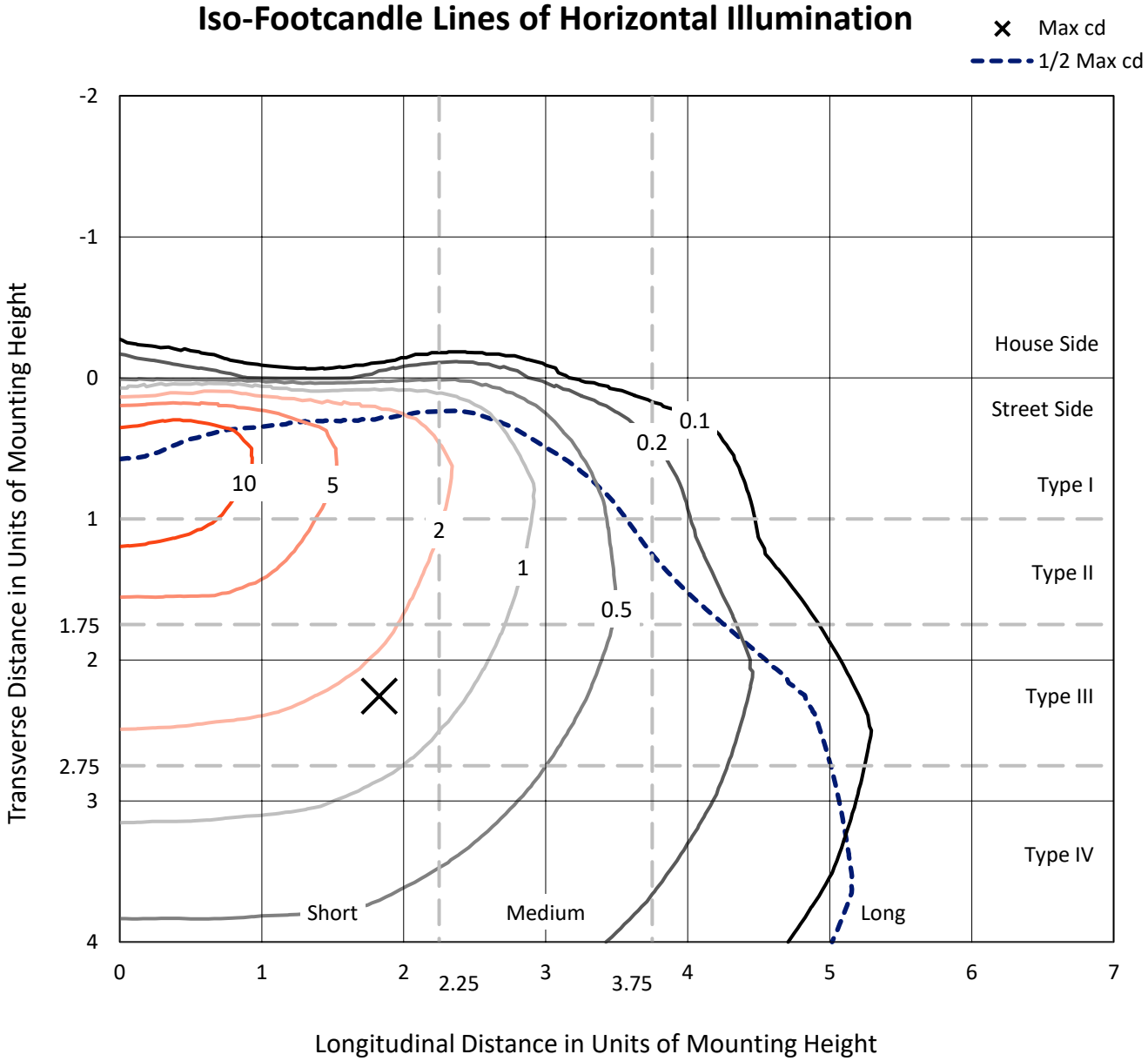
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 17.1 fc
Type IV - Short - N/A

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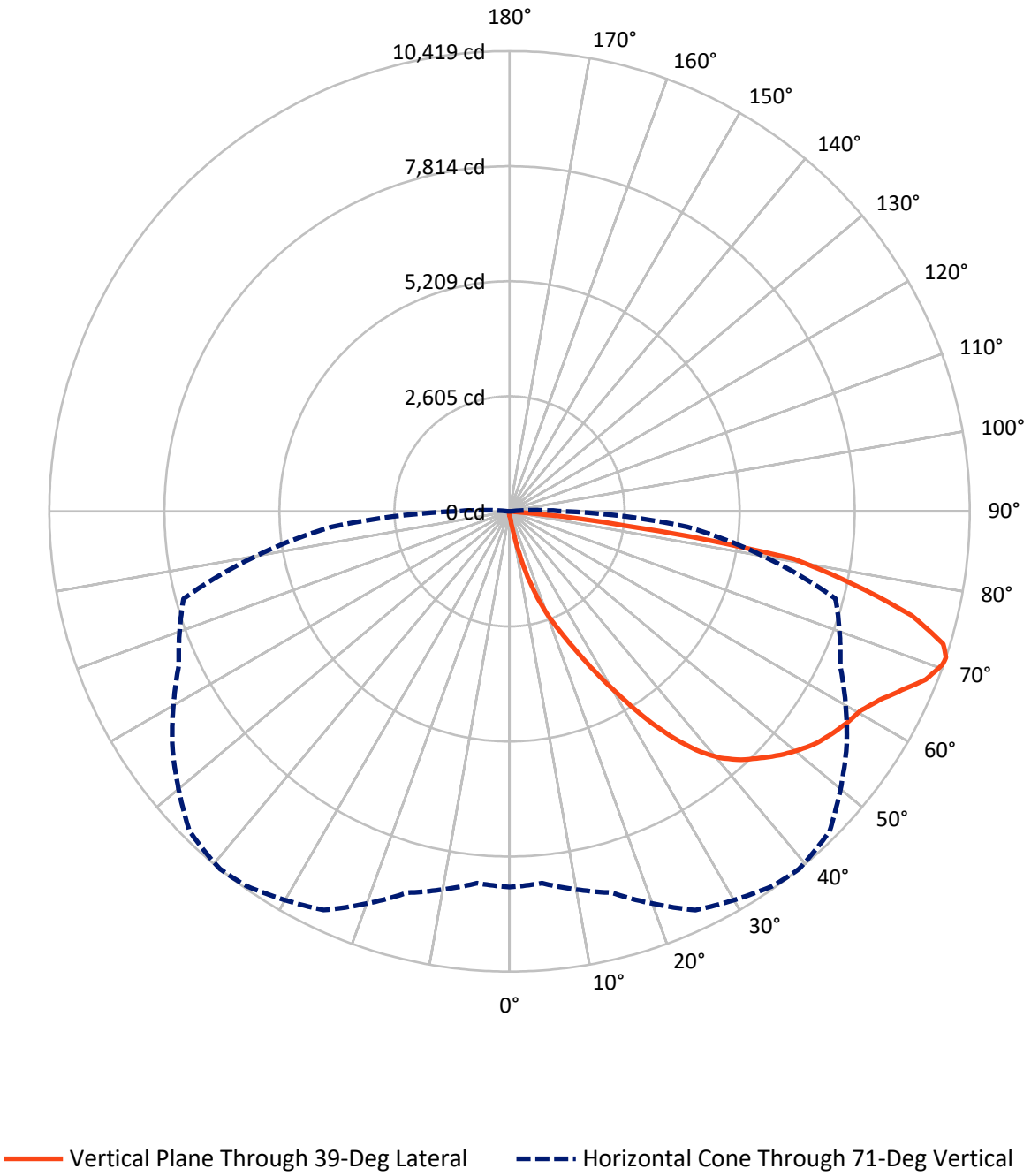
Luminous Intensity Polar Plot



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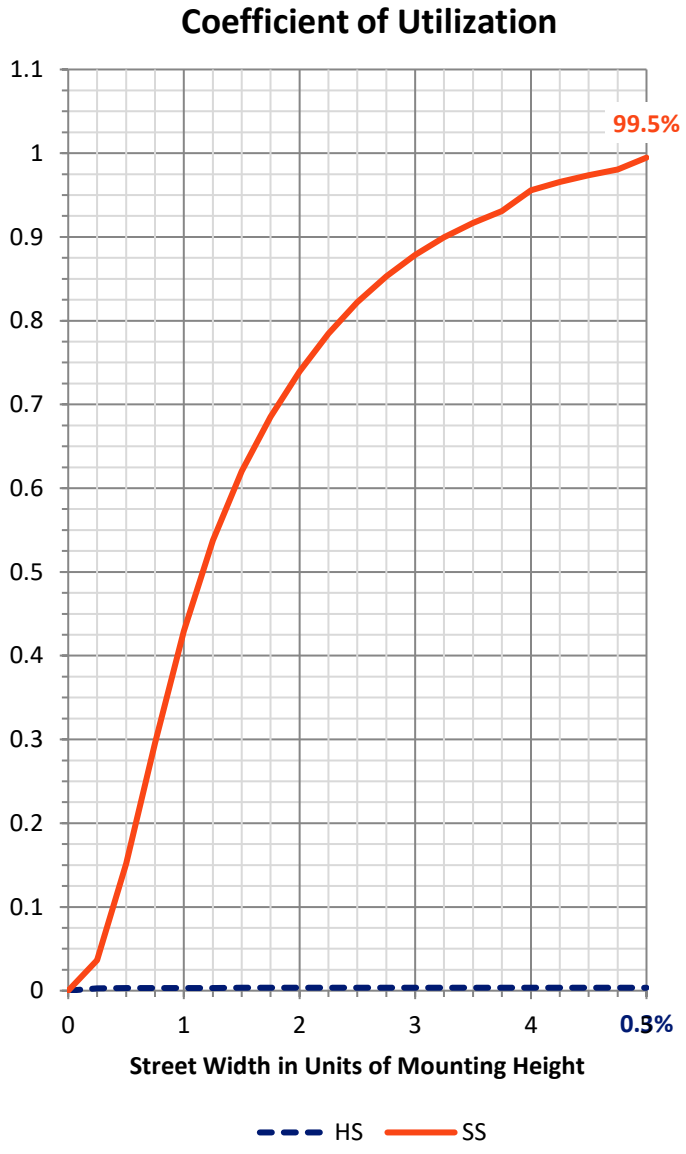
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.0	0.0	59.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16542.0	0.0	16542.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	16600.9	0.0	16600.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.1
10°-20°	177.4	1.1
20°-30°	631.9	3.8
30°-40°	1522.9	9.2
40°-50°	2548.7	15.4
50°-60°	3273.4	19.7
60°-70°	4142.6	25.0
70°-80°	3693.2	22.2
80°-90°	597.0	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°	16600.9	100.0
0°-180°	16600.9	100.0



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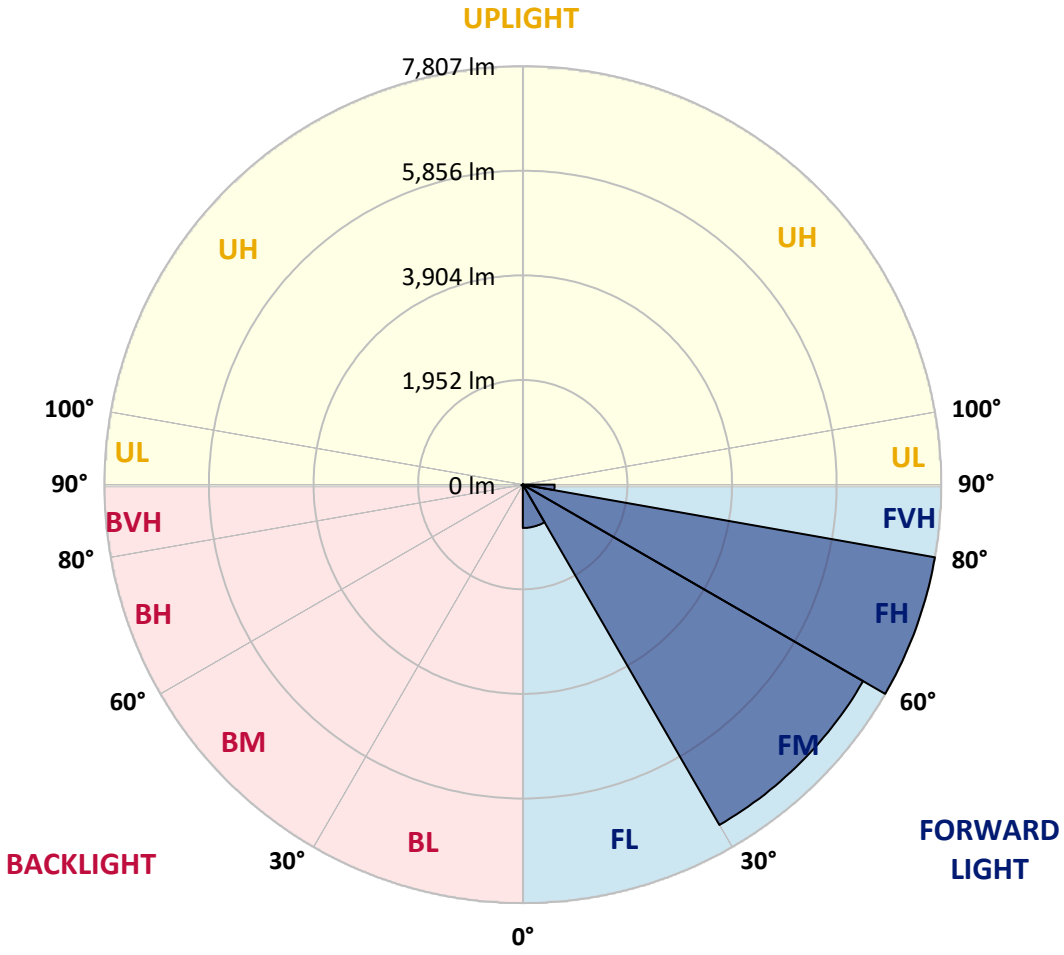
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	808.9	4.9			
FM	(30°-60°)	7331.3	44.2			
FH	(60°-80°)	7807.4	47.0			G4/12000
FVH	(80°-90°)	594.3	3.6			G4/750
BL	(0°-30°)	14.3	0.1	B0/110		
BM	(30°-60°)	13.6	0.1	B0/220		
BH	(60°-80°)	28.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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°	91.0	91.0	91.0	91.0	91.0	*91.0*	91.0	91.0	91.0	91.0	91.0
2.5°	104.5	104.5	104.5	101.1	101.1	*100.0*	98.9	98.9	96.6	95.5	93.3
5°	158.5	155.1	147.2	142.7	133.7	*128.1*	122.5	114.6	106.8	101.1	94.4
7.5°	358.5	366.4	340.5	292.2	242.7	*221.4*	185.4	149.5	123.6	106.8	95.5
10°	913.6	909.2	821.5	724.8	559.7	*493.3*	386.6	243.9	159.6	116.9	96.6
12.5°	1554.2	1549.7	1446.3	1314.8	1096.8	*958.6*	756.3	455.1	229.3	132.6	96.6
15°	2092.5	2074.5	2041.9	1911.6	1656.5	*1540.7*	1273.3	804.6	370.9	159.6	98.9
17.5°	2448.8	2433.0	2402.7	2355.5	2193.6	*2056.5*	1841.9	1264.3	600.1	206.8	103.4
20°	2775.8	2764.5	2739.8	2730.8	2626.3	*2553.3*	2375.7	1792.5	935.0	280.9	110.1
22.5°	3225.3	3201.7	3211.8	3157.9	3055.6	*2967.9*	2858.9	2345.4	1344.1	404.6	122.5
25°	3776.0	3764.7	3736.6	3698.4	3556.8	*3480.4*	3313.0	2866.8	1801.4	566.4	136.0
27.5°	4441.2	4428.9	4422.1	4334.5	4171.5	*4088.4*	3854.6	3359.0	2316.1	793.4	154.0
30°	5207.7	5213.3	5169.5	5057.1	4867.2	*4750.3*	4509.8	3874.8	2843.2	1059.7	173.1
32.5°	6001.1	5989.8	5922.4	5789.8	5620.1	*5511.1*	5205.4	4440.1	3396.1	1411.5	195.5
35°	6856.3	6834.9	6657.4	6505.7	6360.7	*6223.6*	5944.9	5096.4	3949.0	1805.9	225.9
37.5°	7719.4	7619.3	7263.1	7070.9	6970.9	*6858.5*	6598.9	5796.5	4498.6	2246.5	263.0
40°	8371.2	8293.6	7871.1	7517.1	7437.3	*7341.8*	7148.5	6401.1	5082.9	2719.6	307.9
42.5°	8731.9	8689.2	8309.3	7959.8	7772.2	*7687.9*	7522.7	6929.3	5660.6	3242.2	373.1
45°	8885.9	8819.6	8565.6	8402.6	8103.7	*7964.3*	7767.7	7328.3	6264.0	3835.5	464.1
47.5°	8838.7	8800.4	8618.4	8678.0	8461.1	*8244.2*	7955.4	7633.9	6779.9	4516.5	588.9
50°	8542.0	8509.4	8453.2	8775.7	8748.8	*8492.5*	8198.1	7875.6	7201.3	5218.9	782.2
52.5°	7977.8	7964.3	8108.2	8699.3	8911.7	*8711.7*	8431.8	8089.1	7594.6	5952.7	1058.6
55°	7250.7	7305.8	7717.1	8580.2	8994.9	*8873.5*	8638.6	8289.1	7910.4	6609.0	1466.6
57.5°	6951.8	6966.4	7480.0	8495.9	9031.9	*9016.2*	8839.8	8480.2	8200.3	7133.9	2089.1
60°	7301.3	7278.8	7549.7	8560.0	9106.1	*9144.3*	9018.5	8657.7	8452.1	7584.5	2918.5
62.5°	7932.9	7920.5	8007.0	8833.0	9323.0	*9400.6*	9266.8	8785.8	8674.6	7881.2	3864.7
65°	8497.0	8471.2	8631.9	9317.4	9704.0	*9759.0*	9642.2	9005.0	8772.4	8096.9	4753.7
67.5°	8740.9	8735.3	8993.7	9778.1	10104.0	*10163.6*	10061.3	9307.3	8749.9	8165.5	5145.9
70°	8629.6	8608.3	9021.8	9973.7	10329.9	*10397.4*	10298.5	9419.7	8506.0	7948.6	4564.9
71°	*8507.1*	*8449.8*	*8937.5*	*9960.2*	*10361.4*	*10418.7*	*10245.6*	*9317.4*	*8261.0*	*7640.7*	*4037.8*
72.5°	8127.3	8137.4	8706.0	9819.7	10286.1	*10269.2*	9946.7	8951.0	7965.5	6941.7	3243.3
75°	7192.3	7251.9	7956.5	9229.7	9614.1	*9399.4*	8906.1	8250.9	7372.1	4977.3	2252.1
77.5°	5877.5	5966.2	6740.5	8094.7	7985.7	*7964.3*	7944.1	7269.8	6295.5	2673.5	1566.6
80°	2806.1	2998.3	4065.9	5778.6	6277.5	*6519.1*	6367.4	5858.3	4868.3	1273.3	936.1
82.5°	183.2	180.9	256.2	485.5	2046.4	*2645.4*	4203.0	4187.3	3393.9	620.3	382.1
85°	86.5	88.8	97.8	111.3	129.2	*141.6*	195.5	1146.3	1623.9	295.6	83.2
87.5°	50.6	51.7	60.7	77.5	101.1	*112.4*	133.7	171.9	211.3	163.0	18.0
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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REPORT NUMBER: P1048322
CATALOG NUMBER: GALN-SA4B-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2.5°	92.2	91.0	87.7	84.3	80.9	78.7	77.5	78.7	78.7	79.8	79.8
5°	92.2	88.8	83.2	76.4	71.9	67.4	65.2	64.1	65.2	65.2	65.2
7.5°	91.0	85.4	77.5	69.7	64.1	58.4	56.2	55.1	55.1	56.2	56.2
10°	88.8	83.2	73.0	64.1	57.3	50.6	47.2	43.8	43.8	43.8	45.0
12.5°	87.7	79.8	67.4	58.4	49.4	41.6	34.8	31.5	32.6	32.6	32.6
15°	85.4	76.4	64.1	52.8	41.6	31.5	25.8	22.5	23.6	24.7	23.6
17.5°	85.4	75.3	59.6	46.1	32.6	23.6	19.1	16.9	16.9	18.0	18.0
20°	85.4	73.0	56.2	39.3	24.7	18.0	13.5	12.4	12.4	14.6	15.7
22.5°	87.7	73.0	51.7	32.6	20.2	13.5	10.1	9.0	10.1	12.4	13.5
25°	91.0	71.9	47.2	29.2	16.9	10.1	7.9	5.6	6.7	9.0	10.1
27.5°	94.4	70.8	42.7	25.8	13.5	7.9	5.6	4.5	3.4	4.5	4.5
30°	97.8	70.8	38.2	21.4	11.2	5.6	3.4	2.2	1.1	0.0	0.0
32.5°	100.0	68.6	34.8	16.9	9.0	4.5	2.2	1.1	0.0	0.0	0.0
35°	102.3	66.3	30.3	13.5	6.7	3.4	1.1	0.0	0.0	0.0	0.0
37.5°	104.5	62.9	25.8	11.2	5.6	2.2	0.0	0.0	0.0	0.0	0.0
40°	106.8	58.4	21.4	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	109.0	55.1	18.0	7.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0
45°	114.6	52.8	14.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	124.7	50.6	13.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	139.4	48.3	12.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	159.6	47.2	11.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	195.5	46.1	10.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	257.3	45.0	10.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	394.5	42.7	10.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	704.6	41.6	9.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1228.3	42.7	9.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1761.0	45.0	7.9	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1507.0	39.3	7.9	4.5	2.2	1.1	0.0	0.0	0.0	0.0	0.0
71°	*1228.3*	*34.8*	*7.9*	*4.5*	*2.2*	*1.1*	*1.1*	*0.0*	*0.0*	*0.0*	*0.0*
72.5°	790.0	27.0	6.7	4.5	2.2	2.2	1.1	0.0	0.0	0.0	0.0
75°	333.8	22.5	6.7	4.5	3.4	2.2	2.2	1.1	0.0	0.0	0.0
77.5°	142.7	16.9	6.7	5.6	4.5	3.4	3.4	2.2	1.1	0.0	0.0
80°	53.9	13.5	7.9	6.7	5.6	5.6	4.5	2.2	1.1	0.0	0.0
82.5°	24.7	11.2	7.9	6.7	6.7	5.6	4.5	3.4	2.2	0.0	0.0
85°	15.7	10.1	7.9	6.7	6.7	5.6	5.6	3.4	2.2	0.0	0.0
87.5°	12.4	10.1	7.9	7.9	6.7	6.7	4.5	3.4	1.1	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

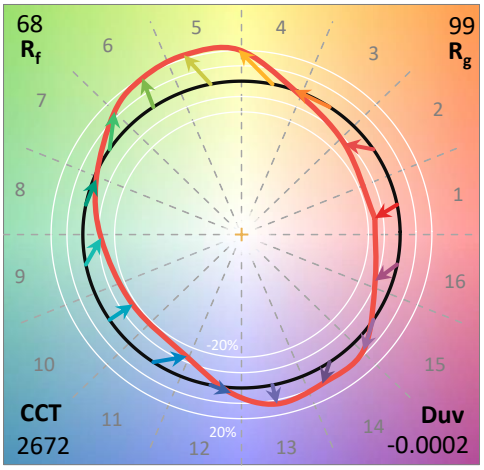
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

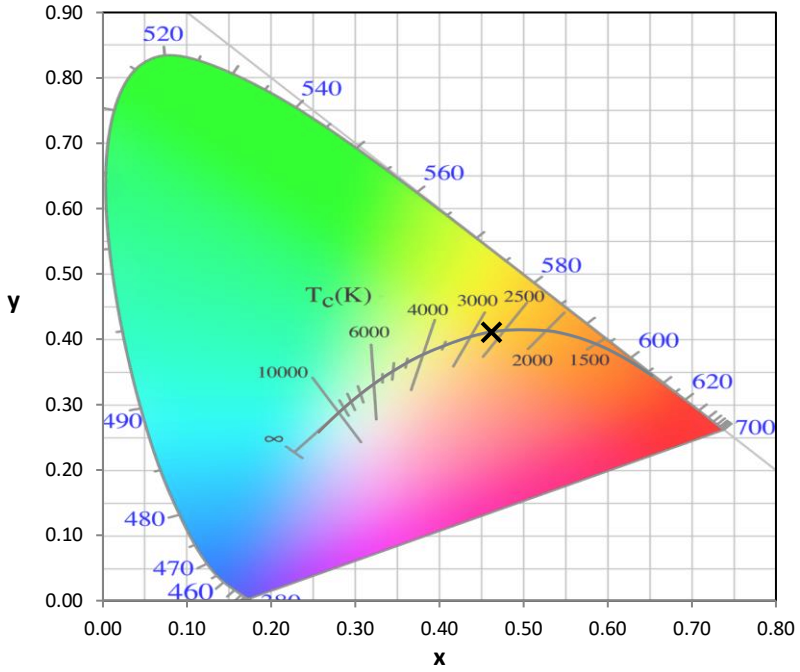
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

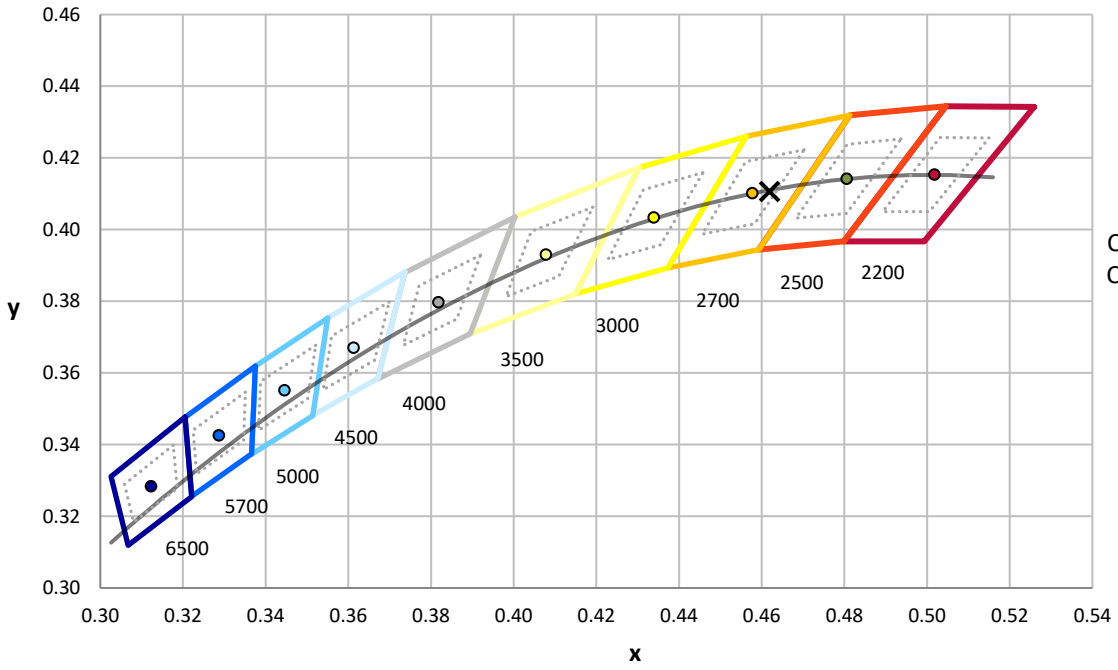
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

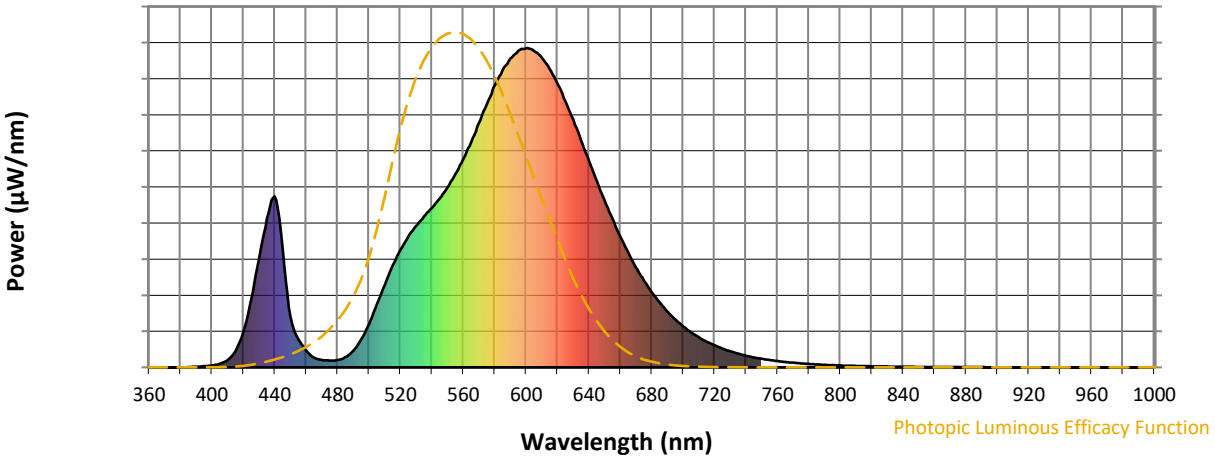


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

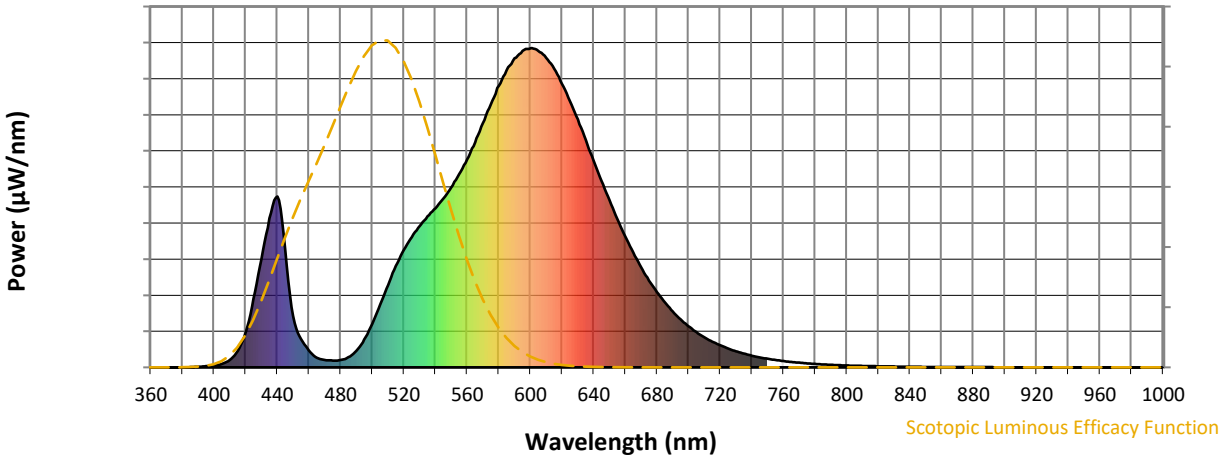


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

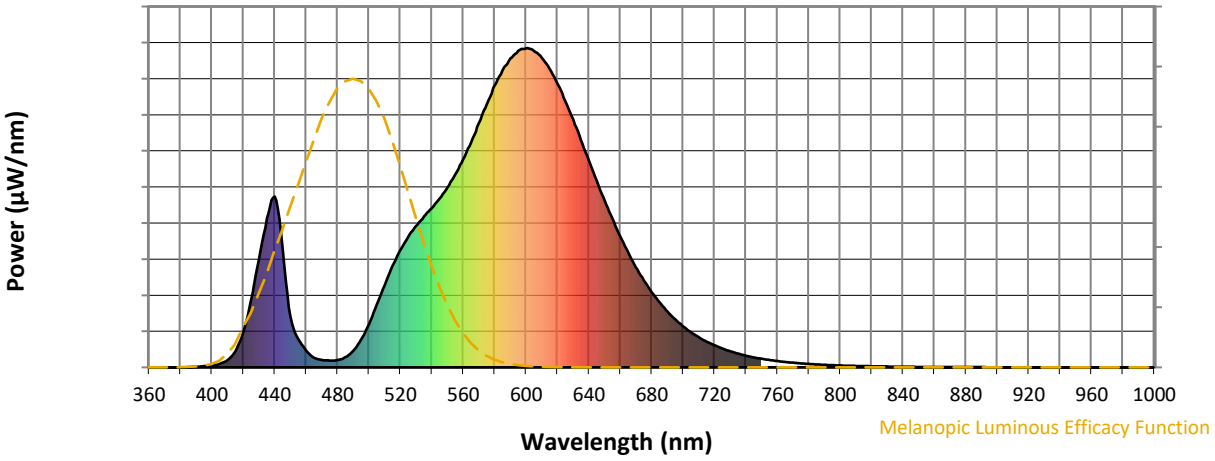


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

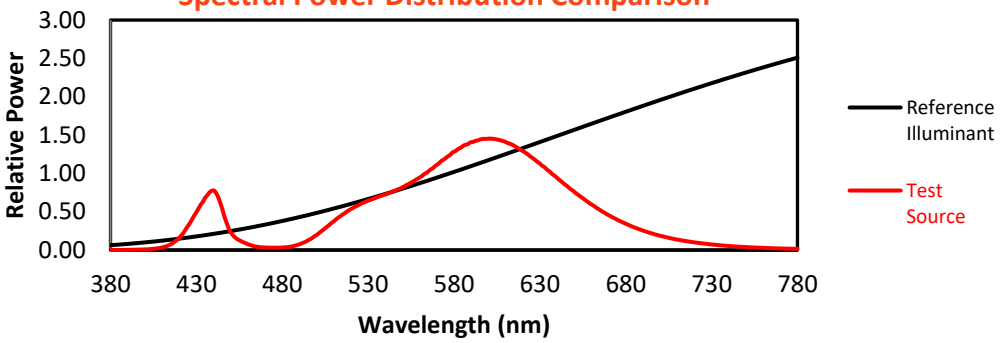
REPORT NUMBER: SP1-2407-184-3

TM-30-18

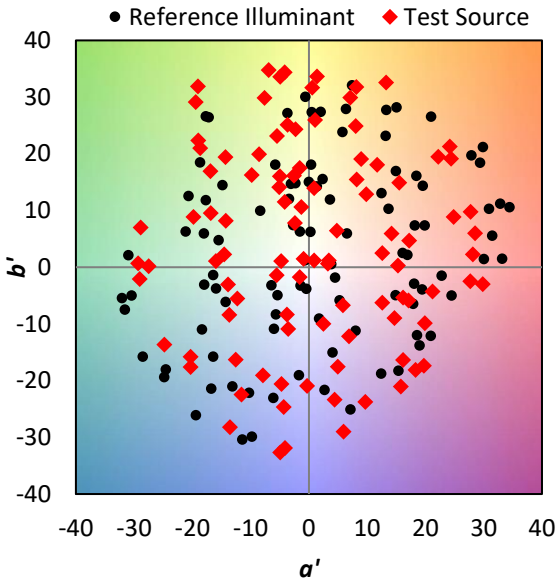
Summary

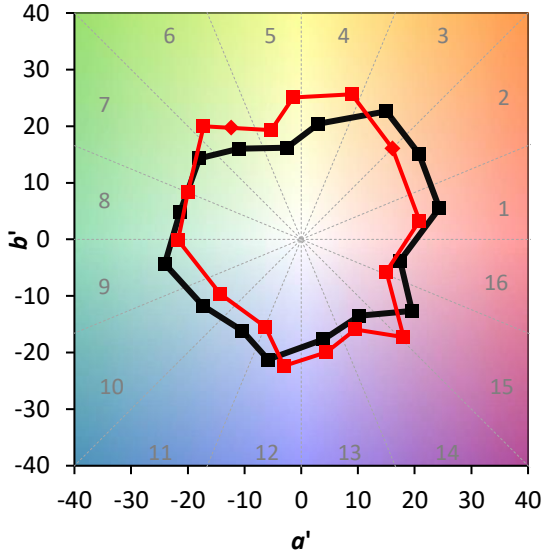
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

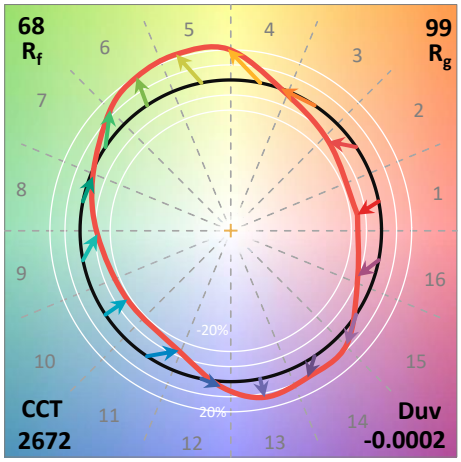
Spectral Power Distribution Comparison

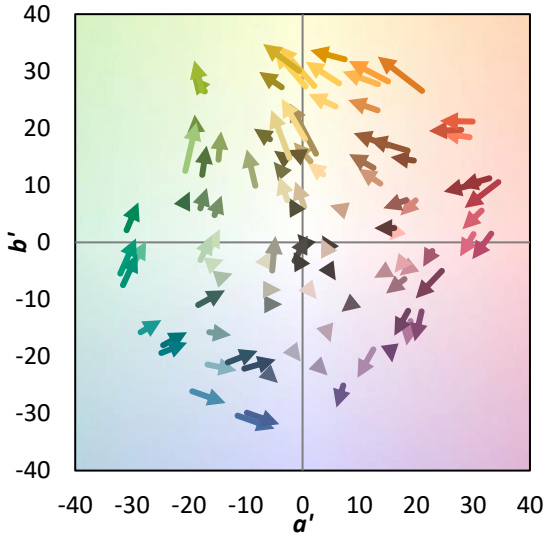


Color Vector Graphics







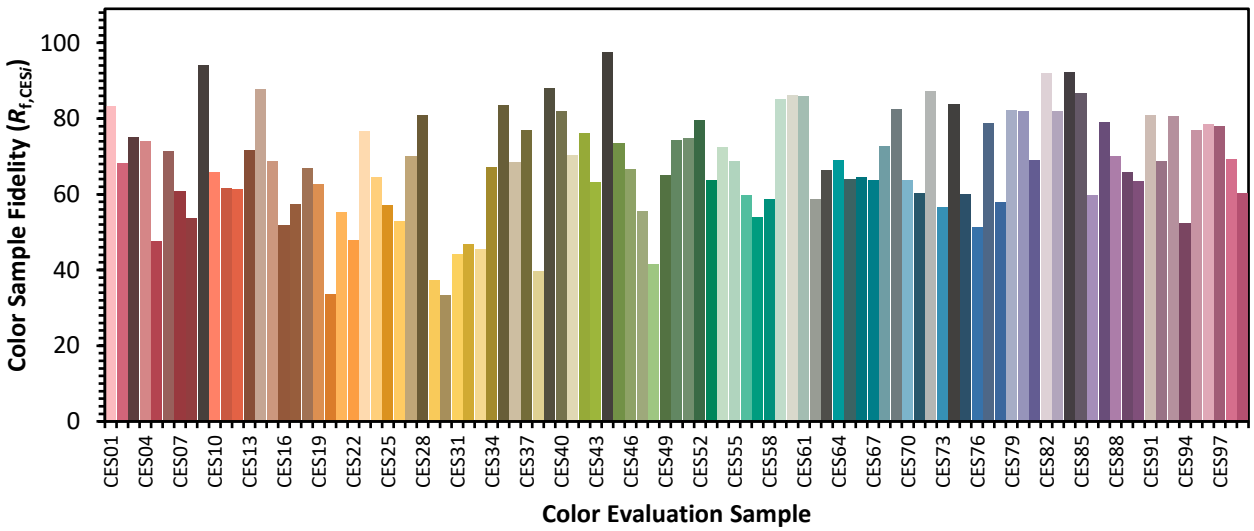


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

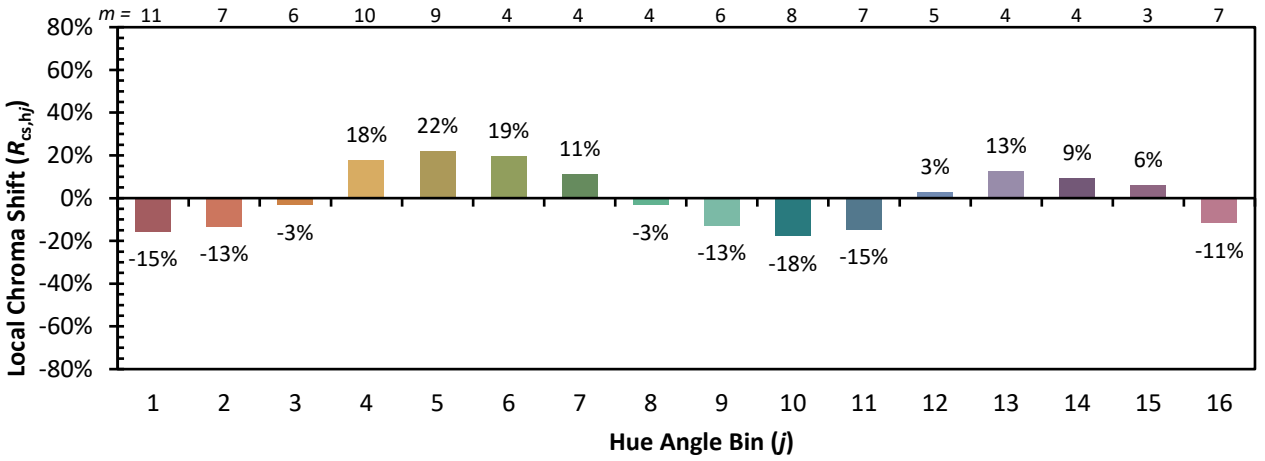
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

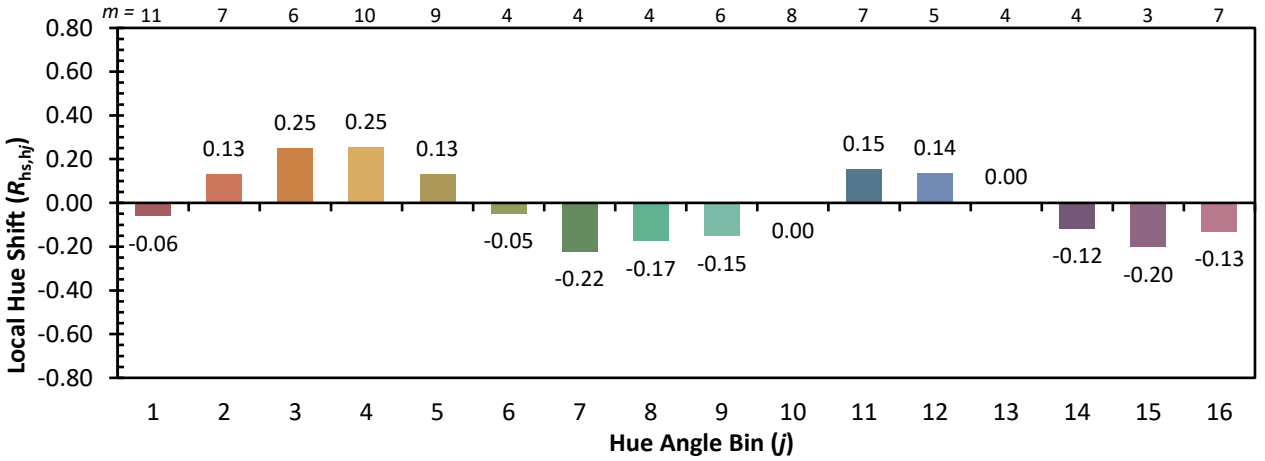


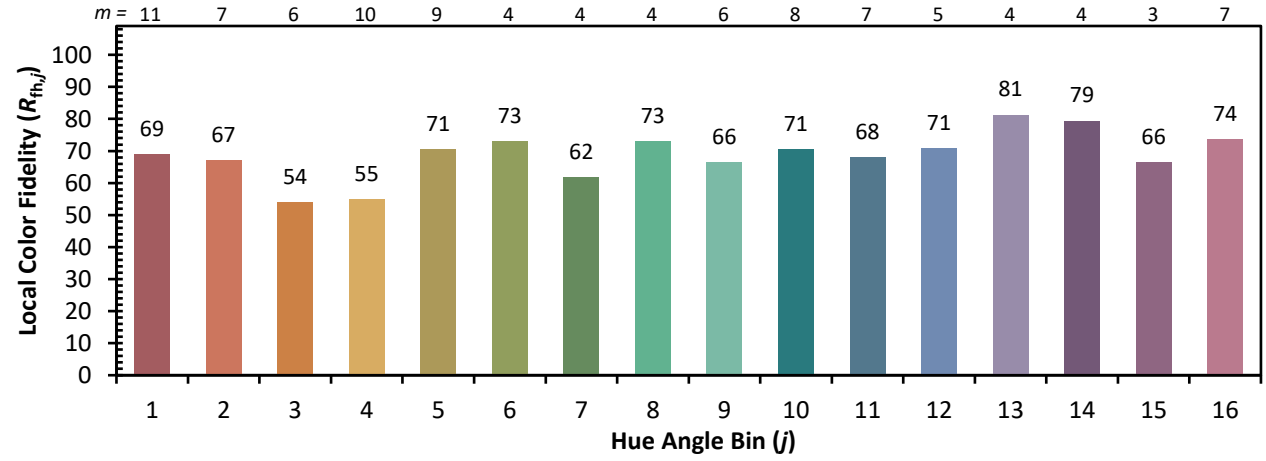
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



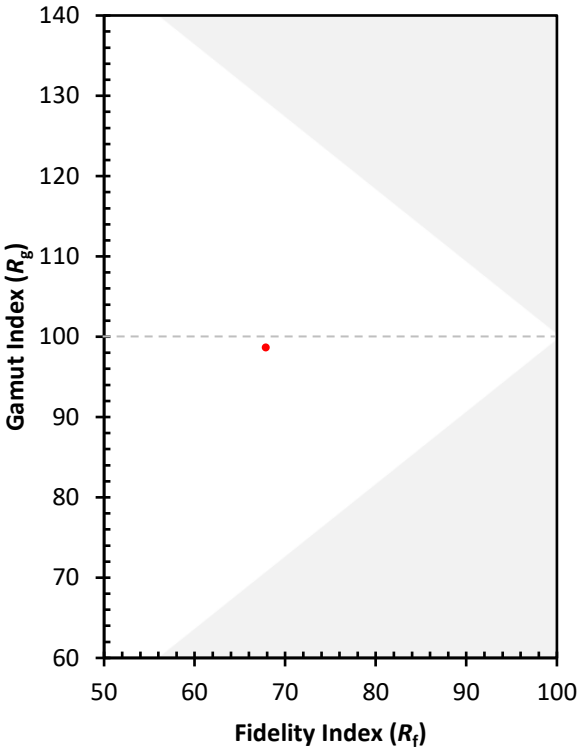


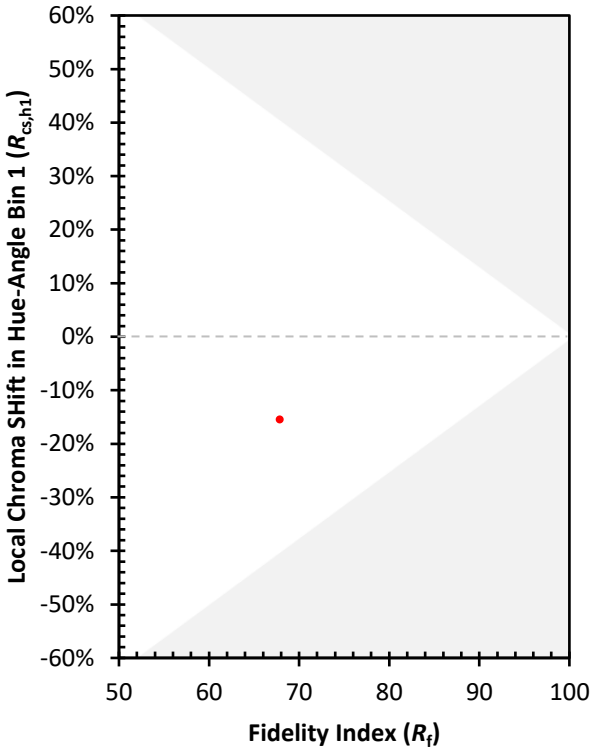


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





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