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: LUMARK

Report Number: P1067143

Luminaire Tested: **NAV-SA5C-835-U-T3BC**

Issue Date: 08/07/2025

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:	P1067143
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA5C-835-U-T3BC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE 80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source:	(70) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25279.6 lumens
Efficiency:	N/A
Efficacy:	107.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	236
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: P1067143
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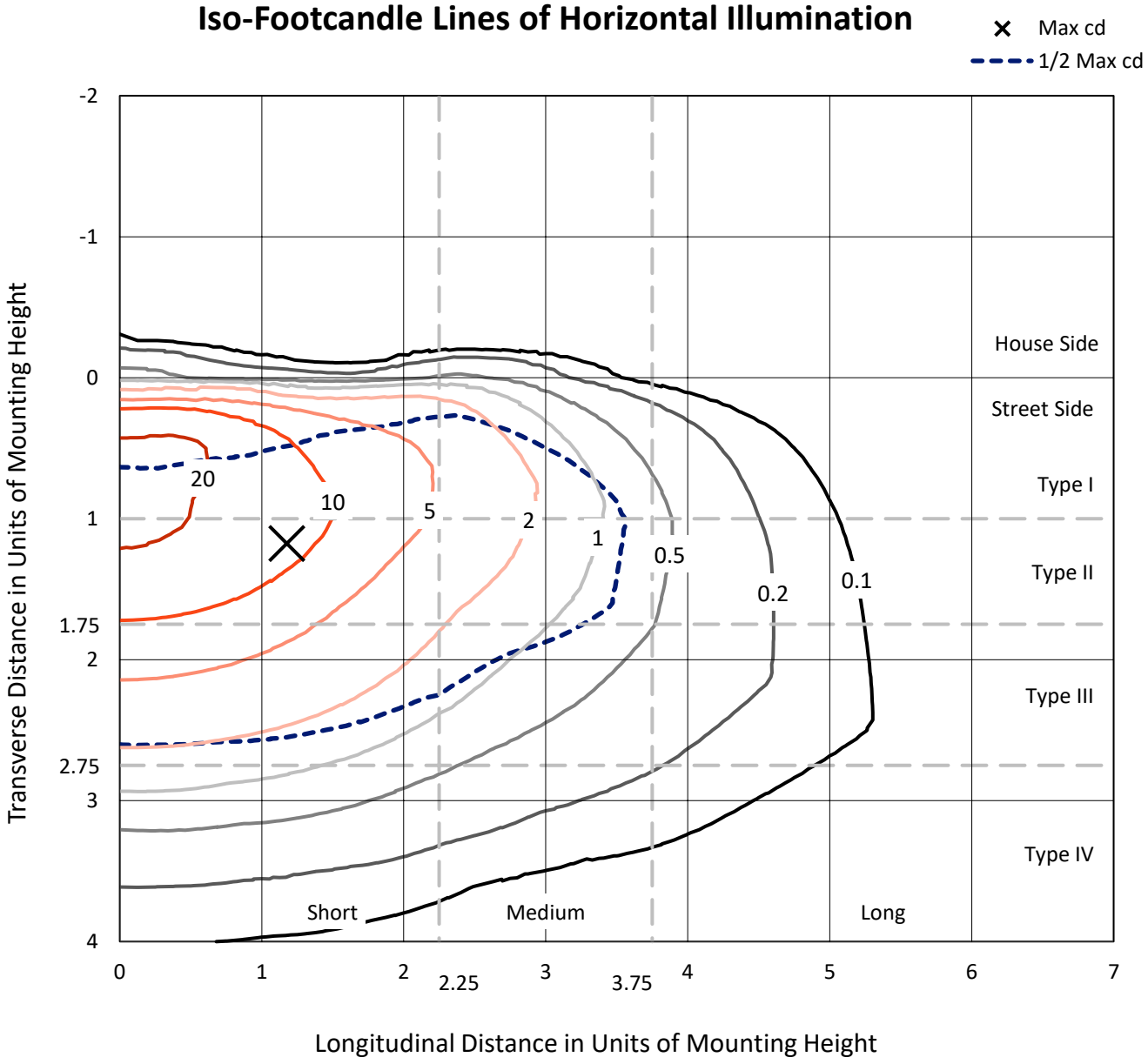
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 27.6 fc
Type III - Short - N/A

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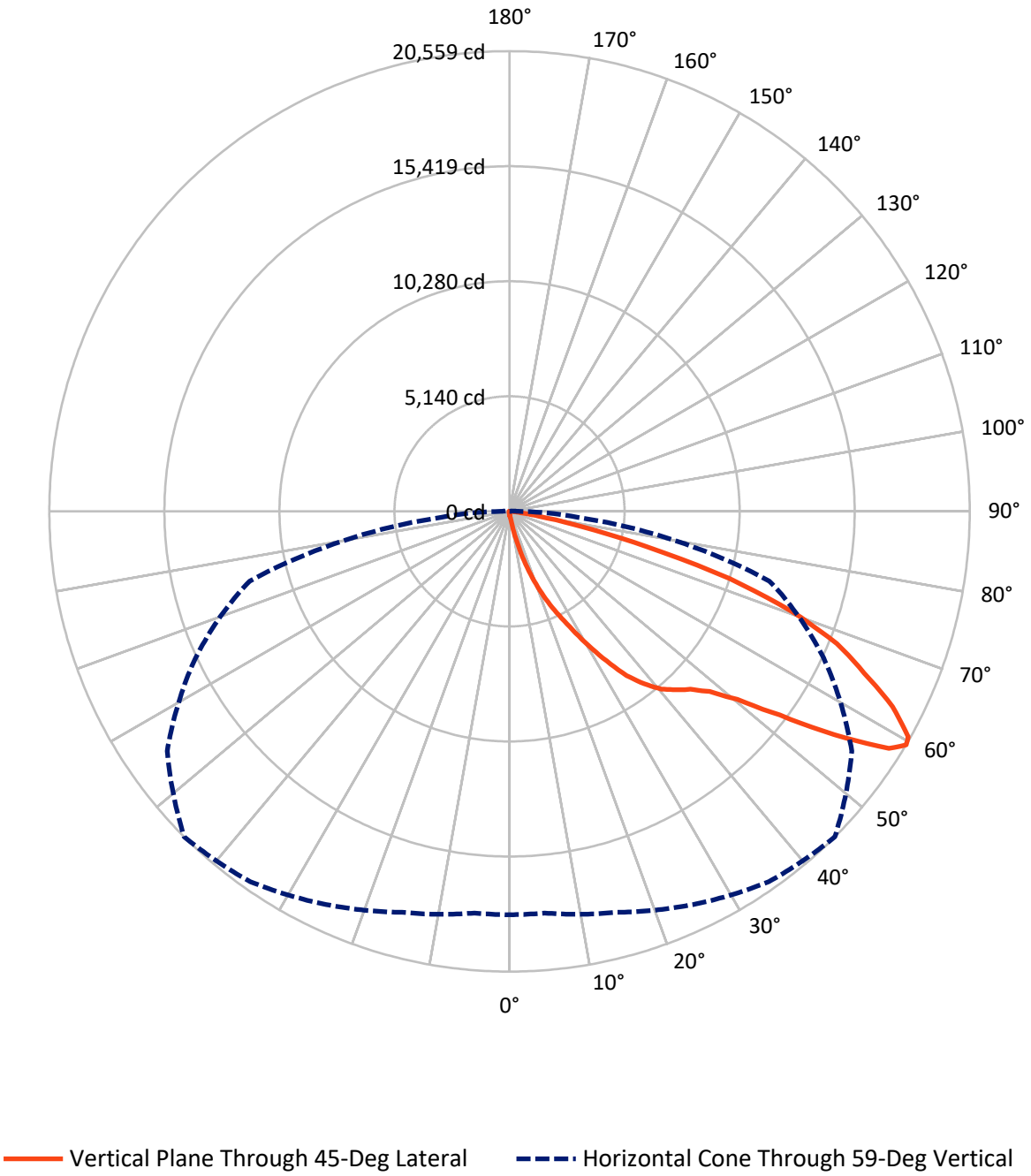
Luminous Intensity Polar Plot



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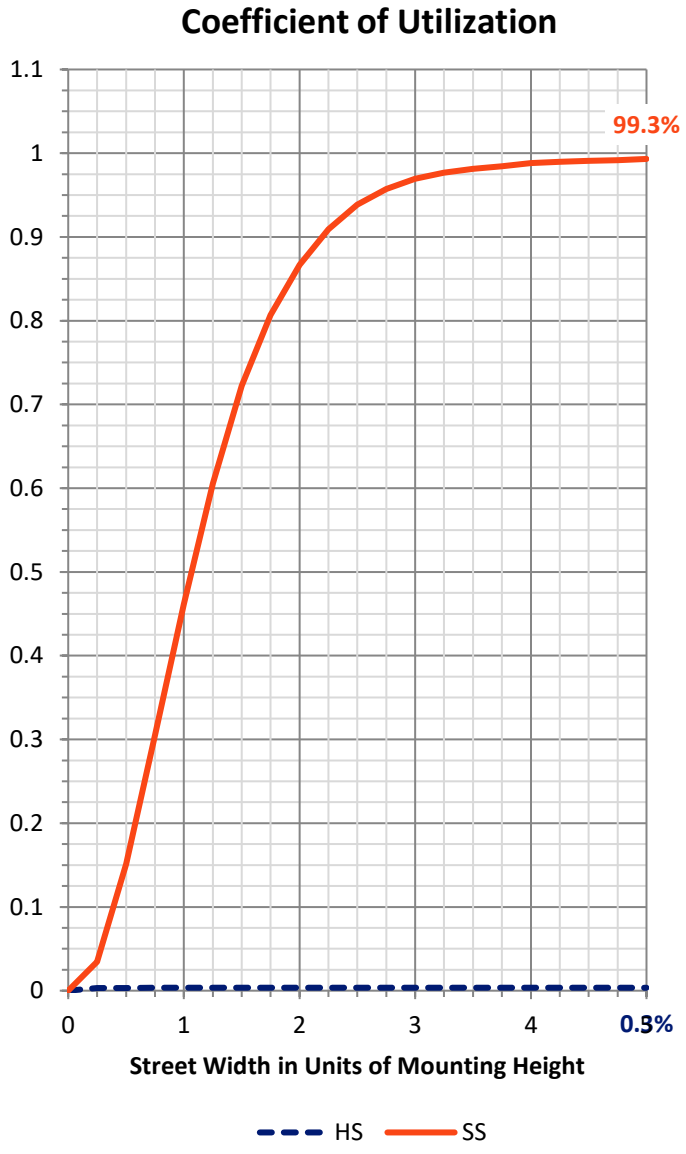
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	89.8	0.0	89.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	25189.8	0.0	25189.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	25279.6	0.0	25279.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	0.1
10°-20°	279.4	1.1
20°-30°	1004.0	4.0
30°-40°	2332.9	9.2
40°-50°	3976.4	15.7
50°-60°	6552.0	25.9
60°-70°	7575.5	30.0
70°-80°	3254.7	12.9
80°-90°	281.3	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°	25279.6	100.0
0°-180°	25279.6	100.0



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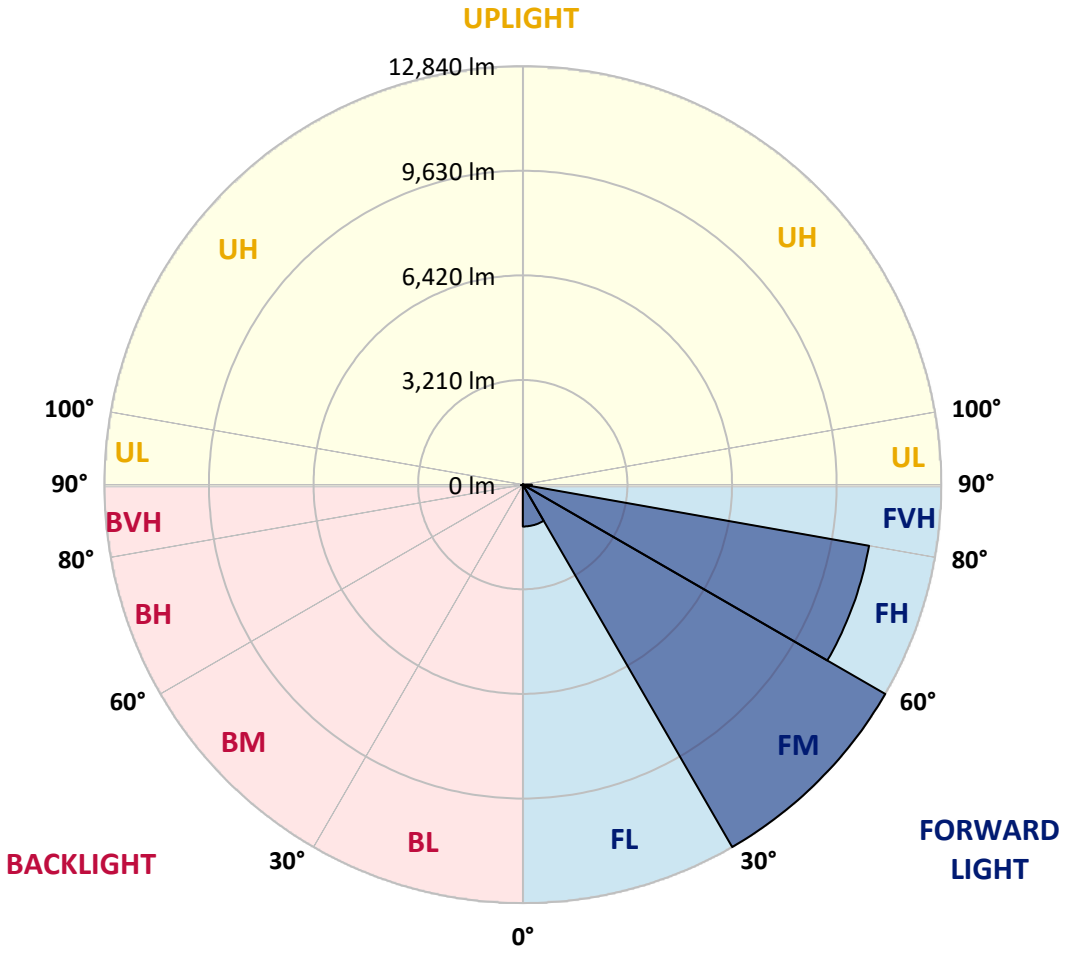
CATALOG NUMBER: NAV-SA5C-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1284.7	5.1			
FM	(30°-60°)	12839.5	50.8			
FH	(60°-80°)	10788.0	42.7			G4/12000
FVH	(80°-90°)	277.6	1.1			G3/500
BL	(0°-30°)	22.1	0.1	B0/110		
BM	(30°-60°)	21.7	0.1	B0/220		
BH	(60°-80°)	42.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.7	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 III Short



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REPORT NUMBER: P1067143
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	159.8	159.8	159.8	159.8	159.8	159.8	*159.8*	159.8	159.8	159.8	159.8
2.5°	207.4	207.4	202.3	195.5	193.8	188.7	*188.7*	183.6	176.8	171.7	164.9
5°	300.9	299.2	285.6	268.6	246.5	232.9	*232.9*	214.2	197.2	181.9	168.3
7.5°	657.8	642.5	593.2	511.6	404.6	333.2	*328.1*	266.9	226.1	195.5	170.0
10°	1509.4	1456.7	1387.0	1191.6	880.5	615.3	*603.4*	389.3	270.3	210.8	173.4
12.5°	2473.2	2515.7	2376.3	2068.7	1704.9	1268.1	*1183.1*	656.1	357.0	231.2	176.8
15°	3350.3	3340.1	3261.9	3010.4	2590.5	2009.2	*1956.5*	1140.6	511.6	263.5	180.2
17.5°	4006.4	3994.5	3919.8	3758.3	3435.3	2854.0	*2808.1*	1818.8	802.3	309.4	183.6
20°	4698.3	4683.0	4577.6	4448.4	4166.2	3671.6	*3617.2*	2576.9	1256.2	384.2	183.6
22.5°	5527.8	5498.9	5386.7	5167.4	4869.9	4439.9	*4390.6*	3352.0	1818.8	506.5	192.1
25°	6530.7	6481.4	6326.7	6129.5	5770.8	5199.7	*5147.0*	4215.5	2497.0	691.8	200.6
27.5°	7674.6	7683.1	7474.0	7140.9	6659.8	6076.8	*5978.2*	4988.9	3199.0	957.0	210.8
30°	9032.8	8947.8	8653.7	8266.2	7798.7	7055.9	*6960.7*	5758.9	3987.7	1347.9	227.8
32.5°	10304.2	10212.4	9816.4	9328.5	8827.1	8043.5	*7965.3*	6624.1	4705.1	1810.3	258.4
35°	11395.5	11330.9	10776.8	10181.8	9736.5	9036.2	*9012.4*	7589.6	5548.2	2308.3	292.4
37.5°	12355.9	12238.6	11526.4	10909.4	10457.2	9830.0	*9779.0*	8473.5	6360.7	2886.3	343.4
40°	13175.2	13110.6	12242.0	11431.2	11064.0	10503.1	*10438.5*	9248.6	7200.4	3557.7	406.3
42.5°	14052.3	13967.3	13124.2	12214.8	11538.3	10938.3	*10895.8*	9887.8	7948.3	4295.4	499.7
45°	15043.3	14885.2	14145.8	13329.9	12301.5	11388.7	*11341.1*	10457.2	8714.9	5087.5	613.6
47.5°	16102.3	15964.6	15366.3	14793.4	13610.4	12131.5	*12029.5*	10941.7	9476.4	6002.0	758.1
50°	17179.9	17183.3	16734.6	16459.2	15209.9	13338.4	*13193.9*	11653.9	10277.0	6981.1	972.3
52.5°	18434.4	18466.7	18459.9	18255.9	17287.0	15311.9	*15118.1*	12735.0	11206.8	8123.4	1268.1
55°	18959.6	19017.4	19393.1	19845.2	19581.8	17814.0	*17606.6*	14599.6	12439.2	9396.5	1706.6
57.5°	18529.6	18594.2	19112.6	19904.7	20509.9	20005.0	*19981.2*	17027.0	14062.5	10940.0	2423.9
59°	*18018.0*	*18009.5*	*18541.5*	*19381.2*	*20197.1*	*20525.2*	*20559.2*	*18669.0*	*15476.7*	*12022.7*	*3042.7*
60°	17678.0	17684.8	18038.3	18900.2	19767.1	20336.5	*20469.1*	19636.2	16302.8	12801.2	3573.0
62.5°	16365.7	16443.9	16724.4	17525.0	18347.7	18983.4	*19209.5*	20498.0	18667.3	14640.4	5417.3
65°	14939.6	14944.7	15344.2	16029.2	16817.9	17264.9	*17407.7*	19156.8	20246.4	16513.6	7836.1
67.5°	12395.0	12498.7	12952.5	14062.5	15104.5	15670.5	*15779.3*	16675.1	19592.0	17734.1	9048.1
70°	8674.1	8810.1	9457.7	10897.5	12449.4	13379.2	*13372.4*	13861.9	17242.8	17190.1	7671.2
72.5°	4331.1	4565.7	5094.3	6636.0	8516.0	9976.2	*10283.8*	11150.7	13851.7	14278.4	5723.2
75°	1914.0	1927.6	2228.4	3005.3	4232.5	6087.0	*6362.4*	8850.9	10627.2	9923.5	4133.9
77.5°	1113.4	1123.6	1178.0	1349.6	1715.1	2983.2	*3292.5*	5804.8	7509.7	5767.4	2695.9
80°	404.6	414.8	413.1	511.6	751.3	1174.6	*1308.9*	2813.2	5009.3	3037.6	1412.5
82.5°	248.2	248.2	239.7	241.4	273.7	450.4	*492.9*	1198.4	2439.2	1495.8	404.6
85°	122.4	129.2	137.7	154.7	183.6	222.7	*236.3*	343.4	821.0	362.1	96.9
87.5°	73.1	74.8	81.6	98.6	122.4	159.8	*170.0*	232.9	294.1	243.1	23.8
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: NAV-SA5C-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8
2.5°	161.5	159.8	151.3	144.5	137.7	130.9	125.8	120.7	120.7	122.4	120.7
5°	161.5	154.7	141.1	129.2	119.0	110.5	102.0	95.2	93.5	93.5	95.2
7.5°	159.8	151.3	132.6	117.3	103.7	91.8	83.3	74.8	73.1	74.8	73.1
10°	158.1	147.9	125.8	107.1	88.4	76.5	64.6	56.1	56.1	56.1	57.8
12.5°	158.1	142.8	119.0	96.9	76.5	62.9	51.0	42.5	40.8	40.8	40.8
15°	156.4	139.4	112.2	85.0	64.6	47.6	37.4	28.9	28.9	28.9	28.9
17.5°	153.0	134.3	103.7	74.8	51.0	35.7	25.5	17.0	17.0	20.4	20.4
20°	149.6	129.2	93.5	61.2	42.5	27.2	17.0	10.2	10.2	15.3	17.0
22.5°	151.3	129.2	86.7	54.4	34.0	20.4	13.6	8.5	6.8	11.9	15.3
25°	153.0	125.8	78.2	47.6	25.5	15.3	10.2	3.4	1.7	3.4	5.1
27.5°	153.0	122.4	68.0	37.4	18.7	11.9	5.1	0.0	0.0	0.0	0.0
30°	151.3	117.3	59.5	30.6	13.6	6.8	1.7	0.0	0.0	0.0	0.0
32.5°	149.6	112.2	54.4	23.8	11.9	3.4	0.0	0.0	0.0	0.0	0.0
35°	151.3	105.4	47.6	18.7	6.8	0.0	0.0	0.0	0.0	0.0	3.4
37.5°	156.4	98.6	40.8	15.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	163.2	93.5	34.0	11.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	176.8	93.5	30.6	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	193.8	93.5	25.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	215.9	95.2	22.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	243.1	98.6	20.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	263.5	95.2	18.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	299.2	91.8	17.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	346.8	86.7	17.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	*394.4*	*79.9*	*17.0*	*1.7*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	448.7	76.5	15.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	741.1	68.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1431.2	64.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2313.4	64.6	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2432.4	64.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1618.2	52.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	866.9	47.6	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	467.4	44.2	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	205.7	32.3	8.5	5.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	81.6	22.1	10.2	8.5	6.8	3.4	0.0	0.0	0.0	0.0	0.0
85°	39.1	17.0	13.6	11.9	8.5	5.1	0.0	0.0	0.0	0.0	0.0
87.5°	18.7	17.0	15.3	13.6	11.9	8.5	1.7	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

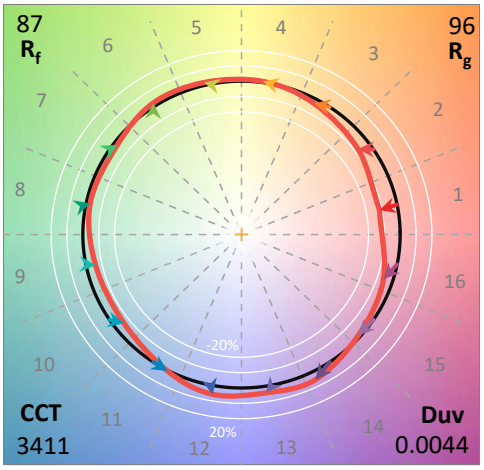
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

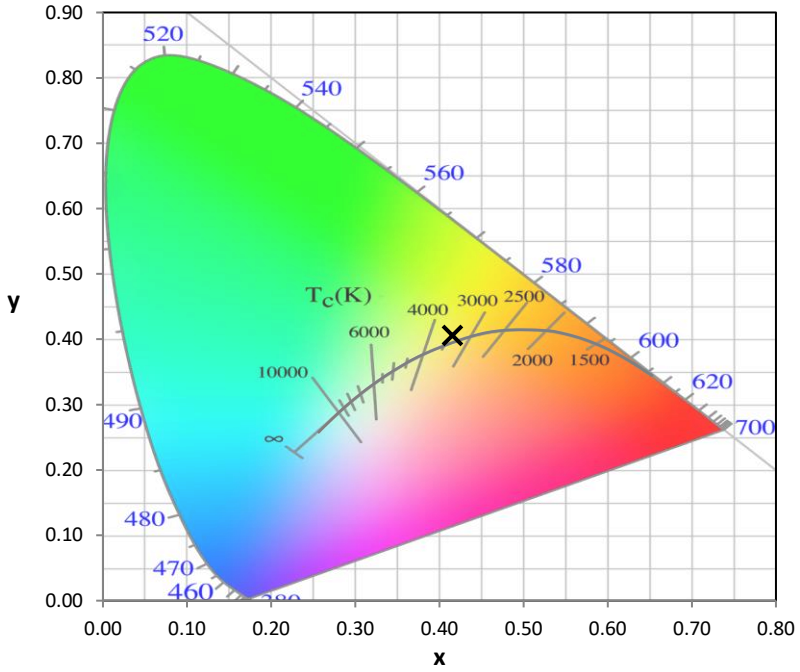
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

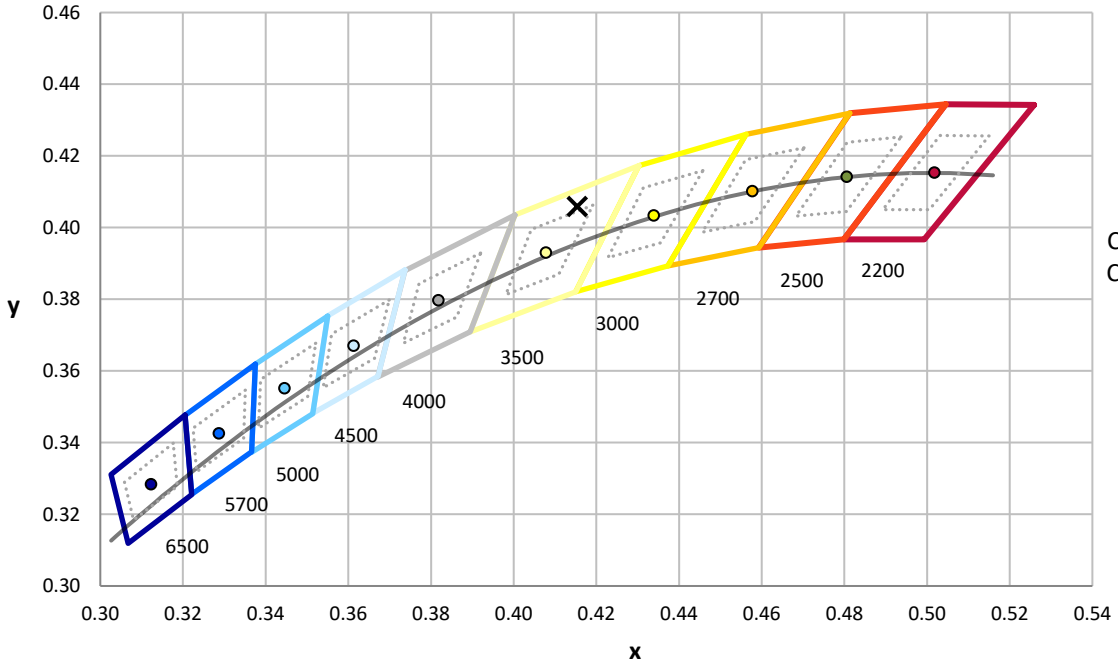
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

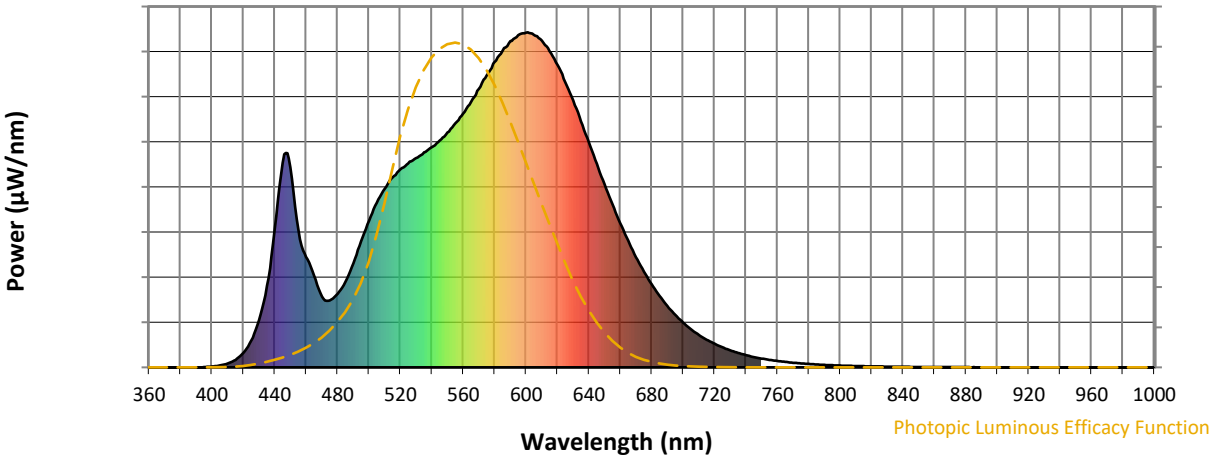


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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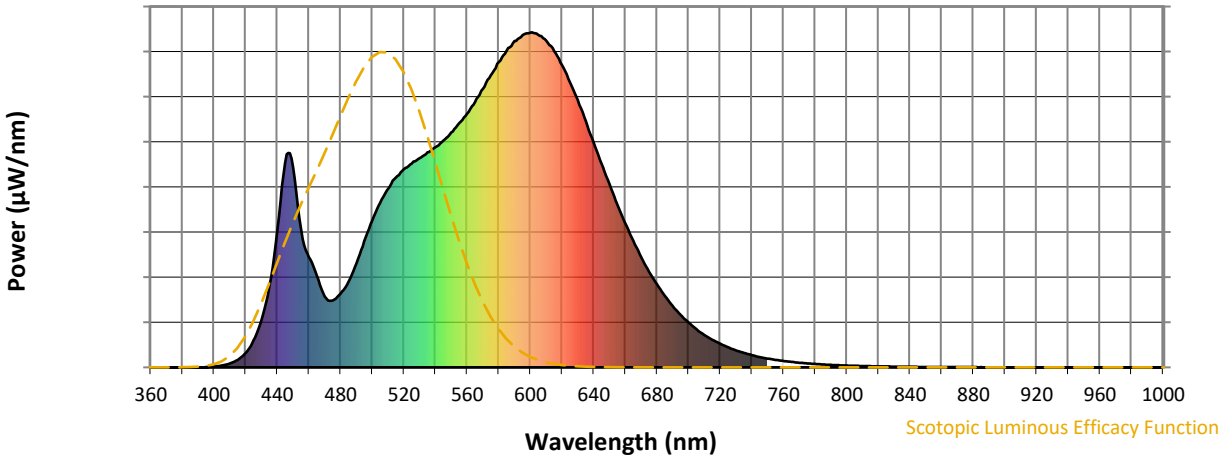
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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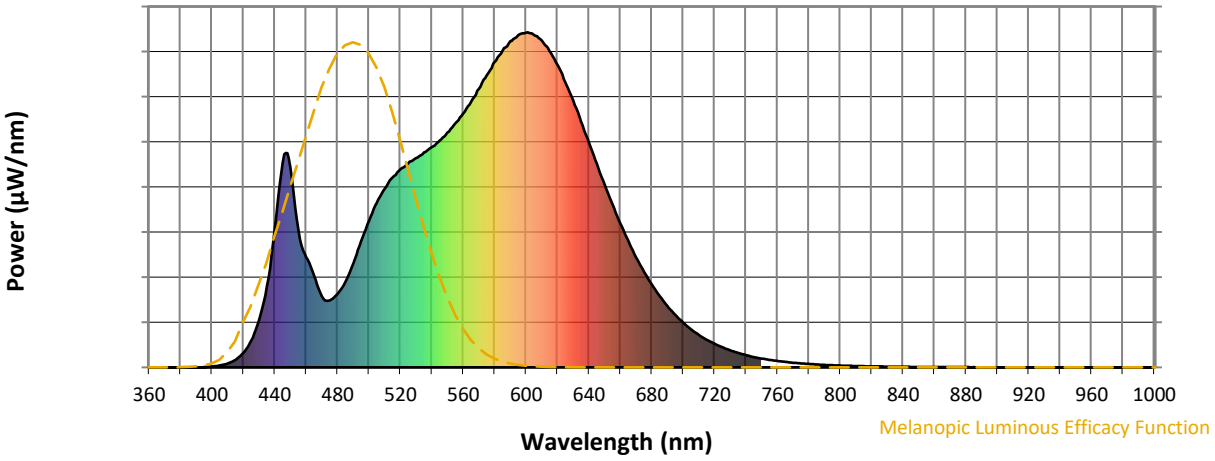
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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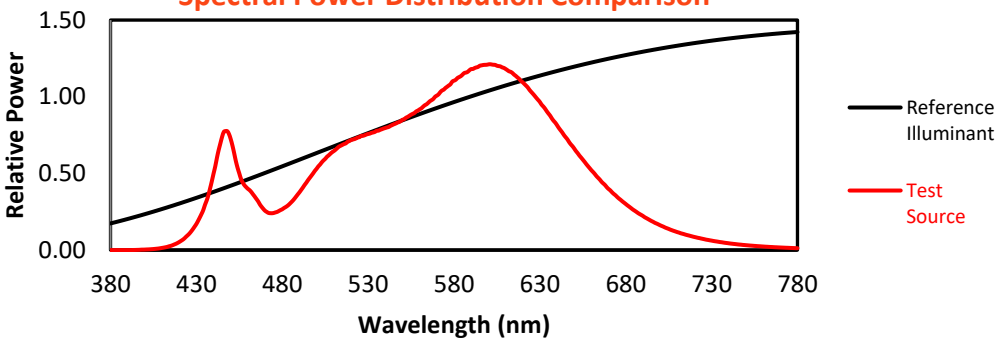
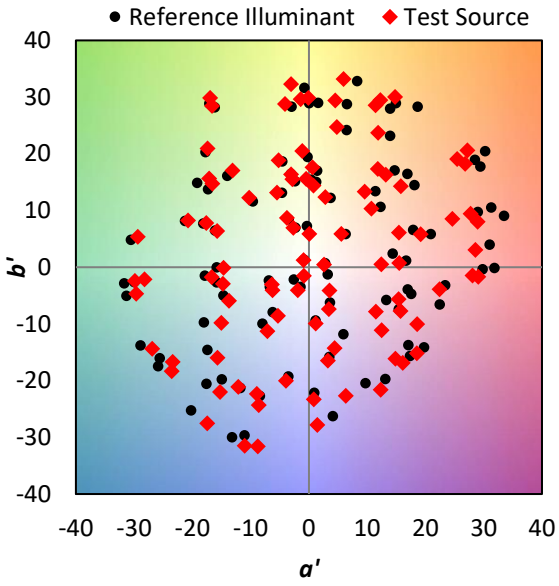
Summary

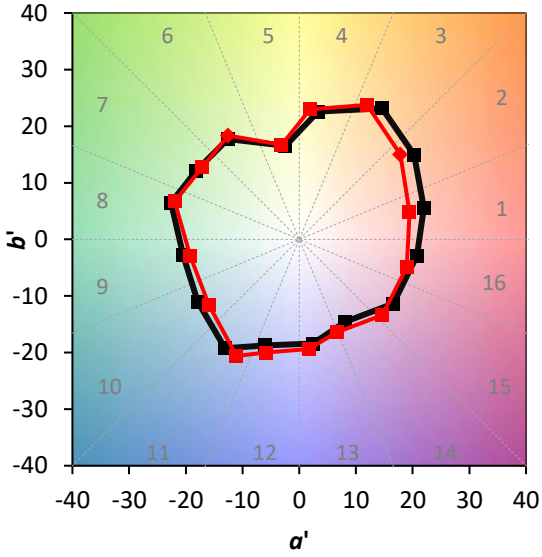
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

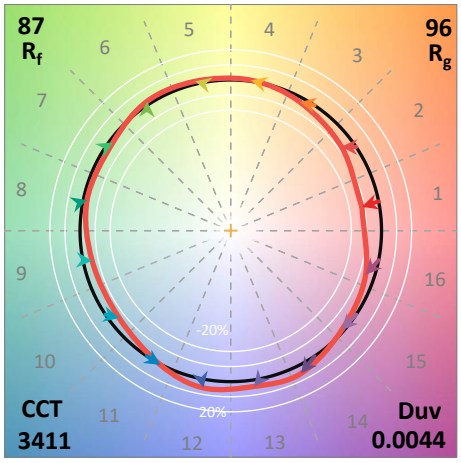
Spectral Power Distribution Comparison

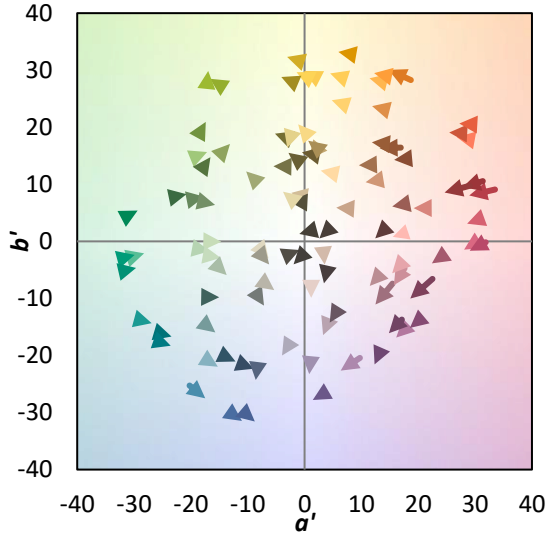


Color Vector Graphics









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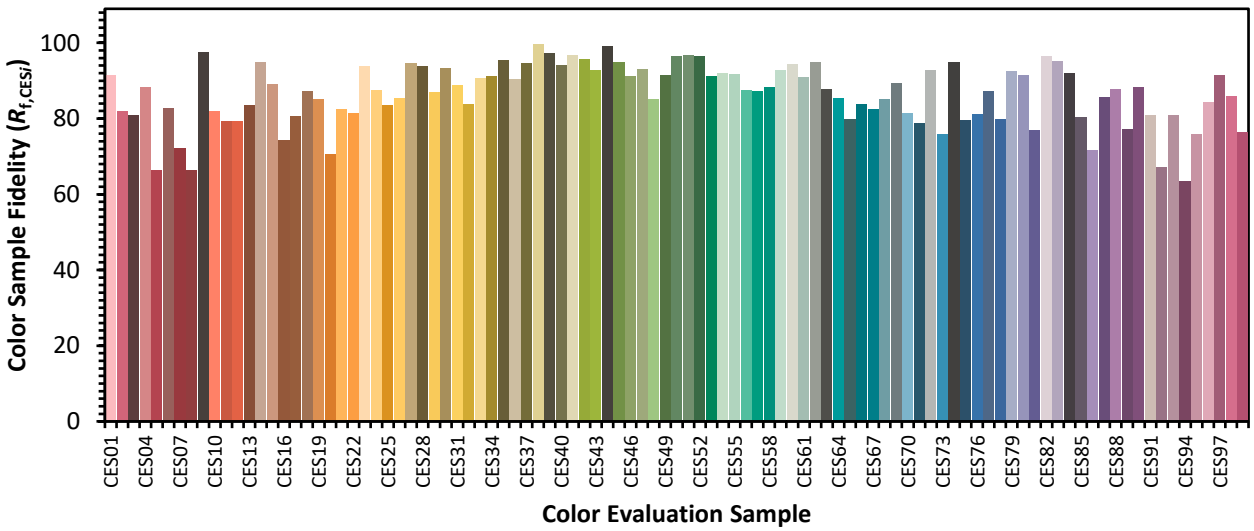
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



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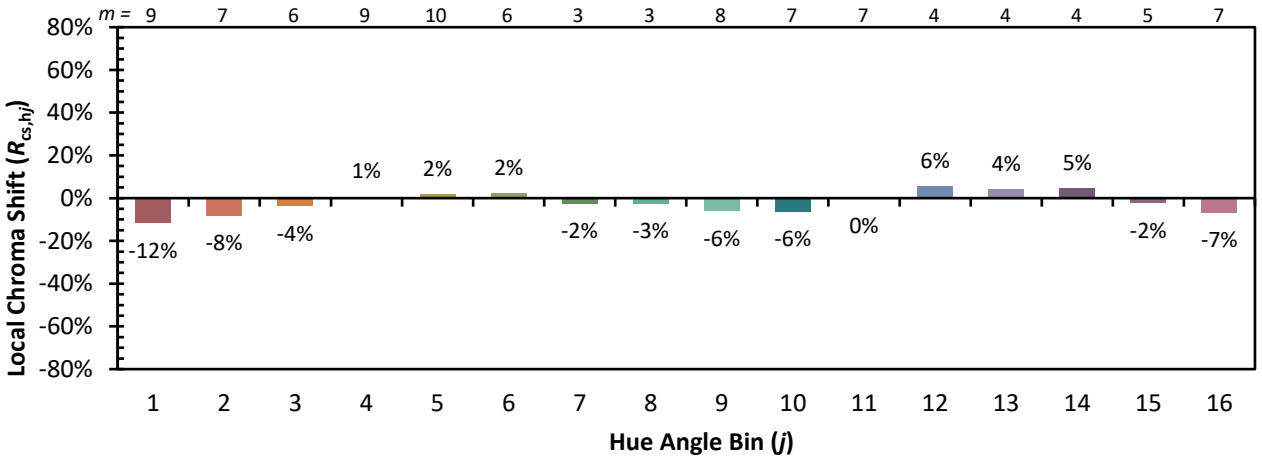
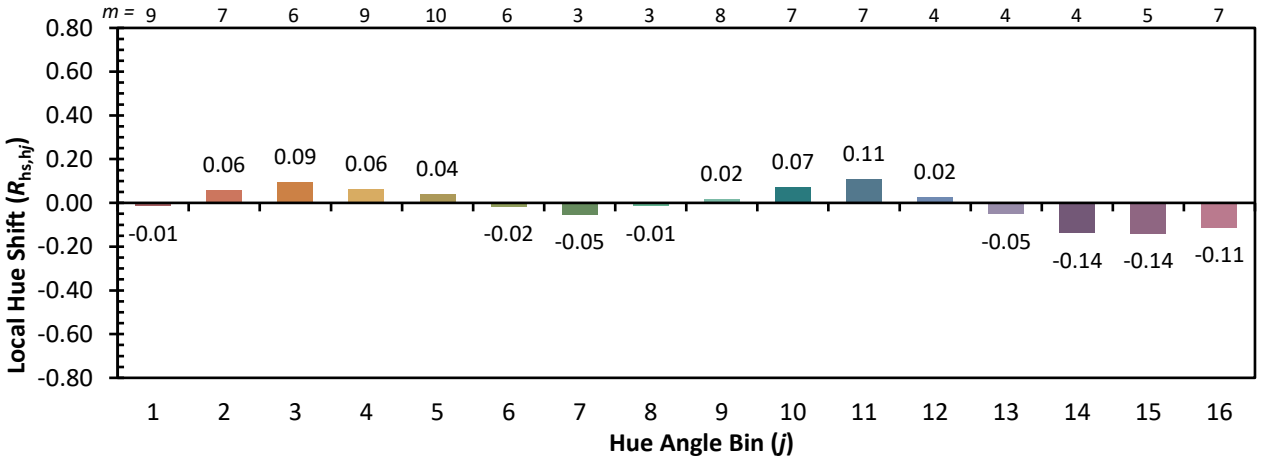
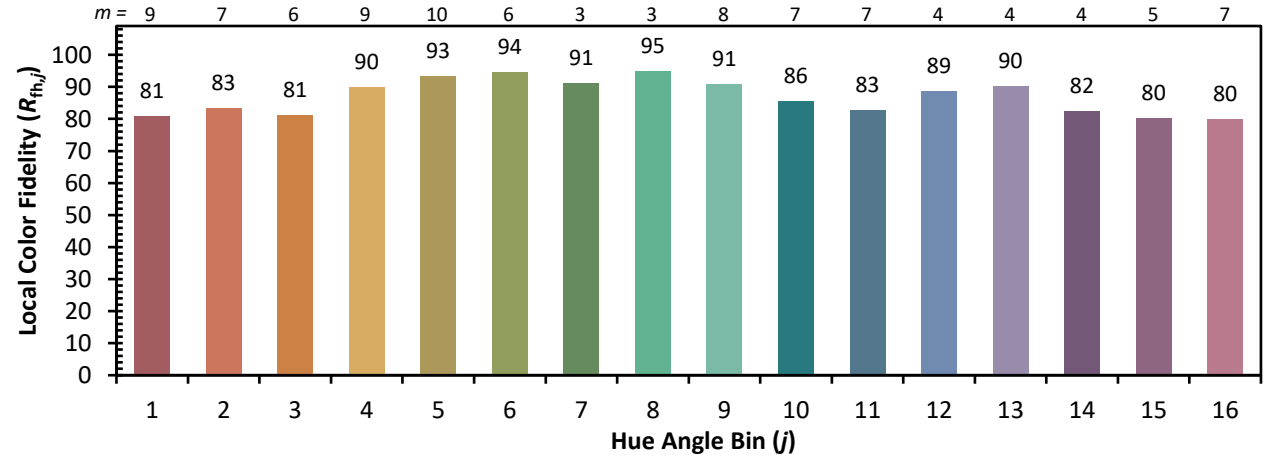
Color Rendition by Hue-Angle Bin







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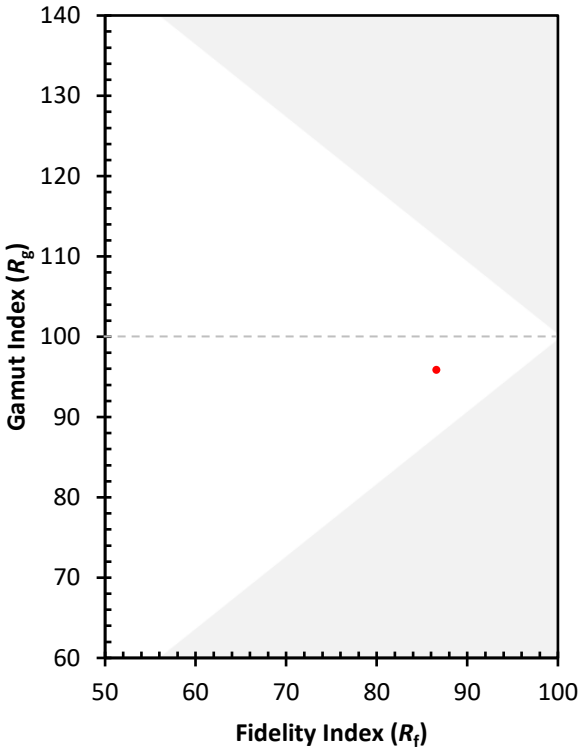
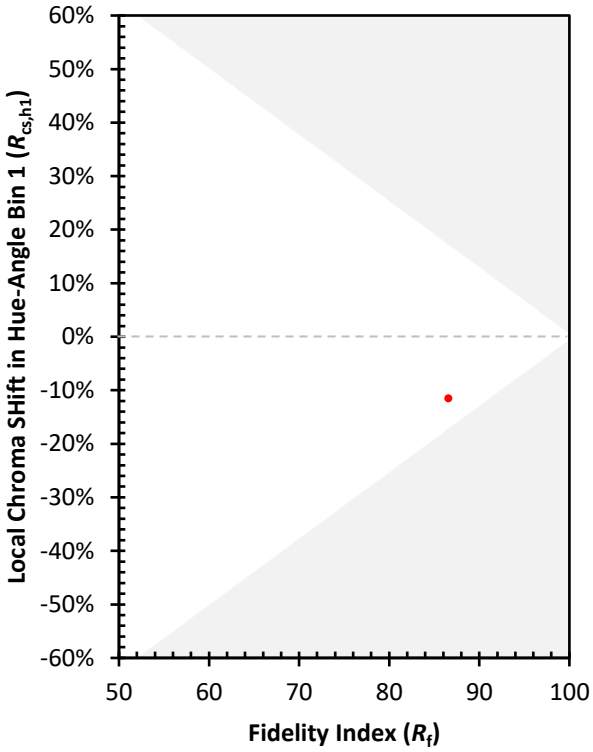
Measure Comparisons





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