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

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642424

Luminaire Tested: GWS-SA6C-830-U-AFL-W-HSS

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P642424
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-AFL-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18915.7 lumens
Efficiency:	N/A
Efficacy:	100.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	189.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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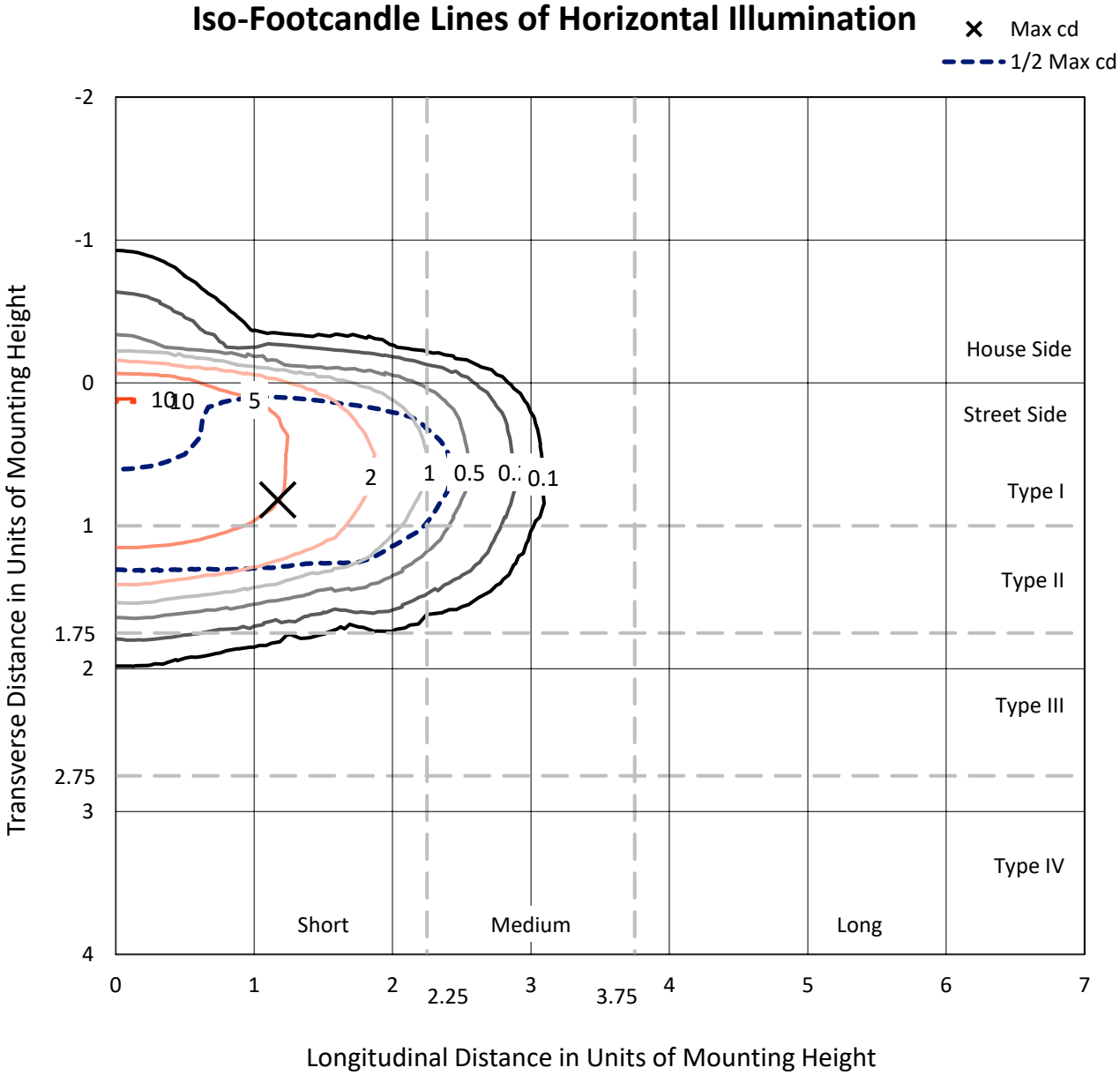
Scaled Data Report

REPORT NUMBER: P642424
CATALOG NUMBER: GWS-SA6C-830-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
Type II - Short - N/A

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REPORT NUMBER: P642424
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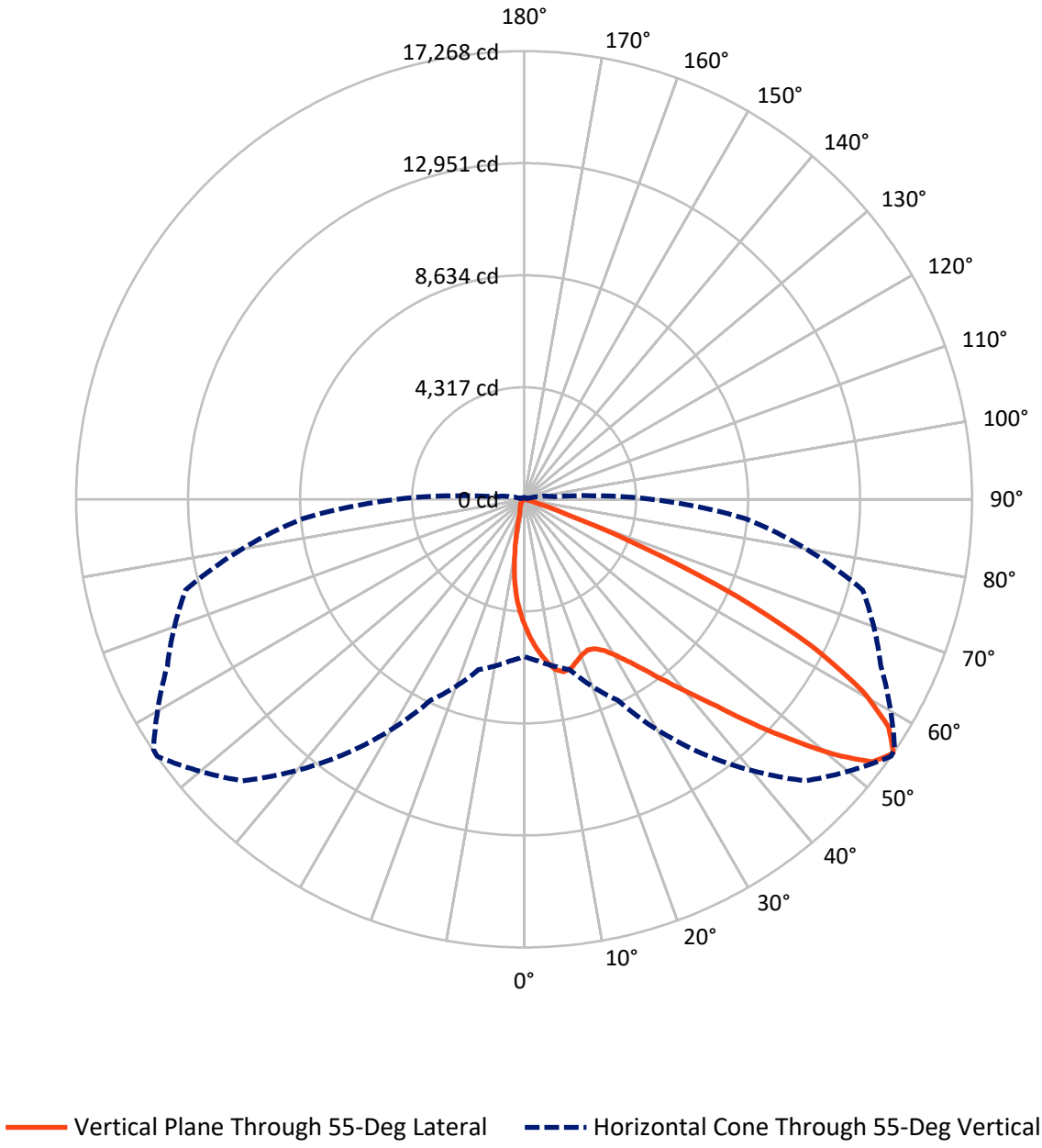
Luminous Intensity Polar Plot



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REPORT NUMBER: P642424
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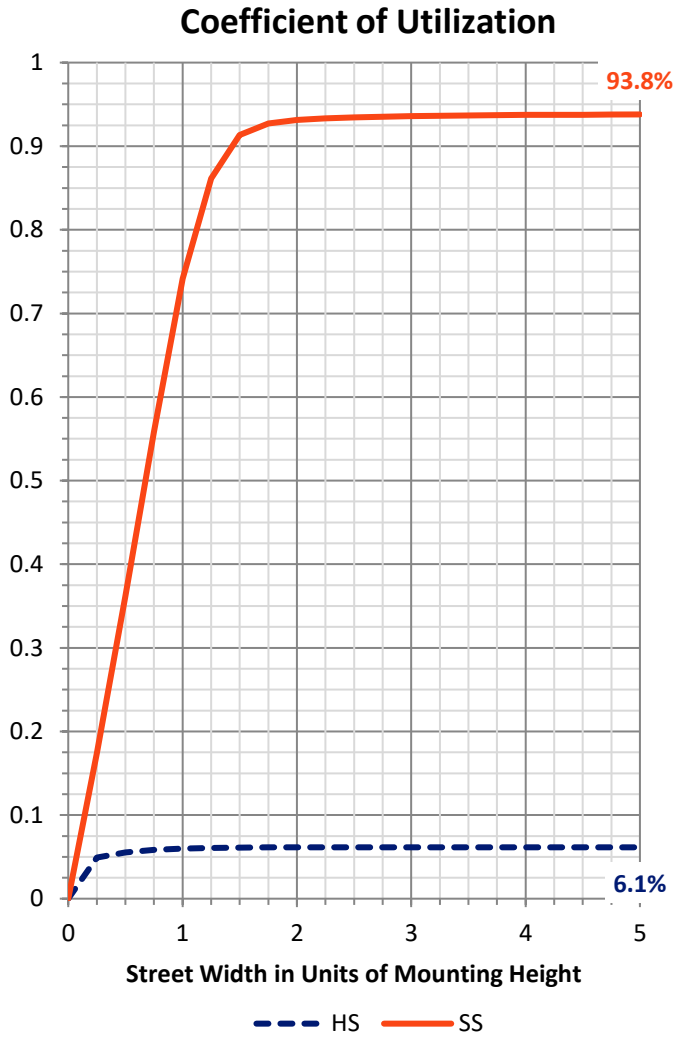
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1167.2	0.0	1167.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	17748.5	0.0	17748.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	18915.7	0.0	18915.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.9	2.3
10°-20°	1041.2	5.5
20°-30°	1734.0	9.2
30°-40°	2954.8	15.6
40°-50°	4823.3	25.5
50°-60°	5049.7	26.7
60°-70°	2547.0	13.5
70°-80°	321.7	1.7
80°-90°	12.2	0.1
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°	18915.7	100.0
0°-180°	18915.7	100.0



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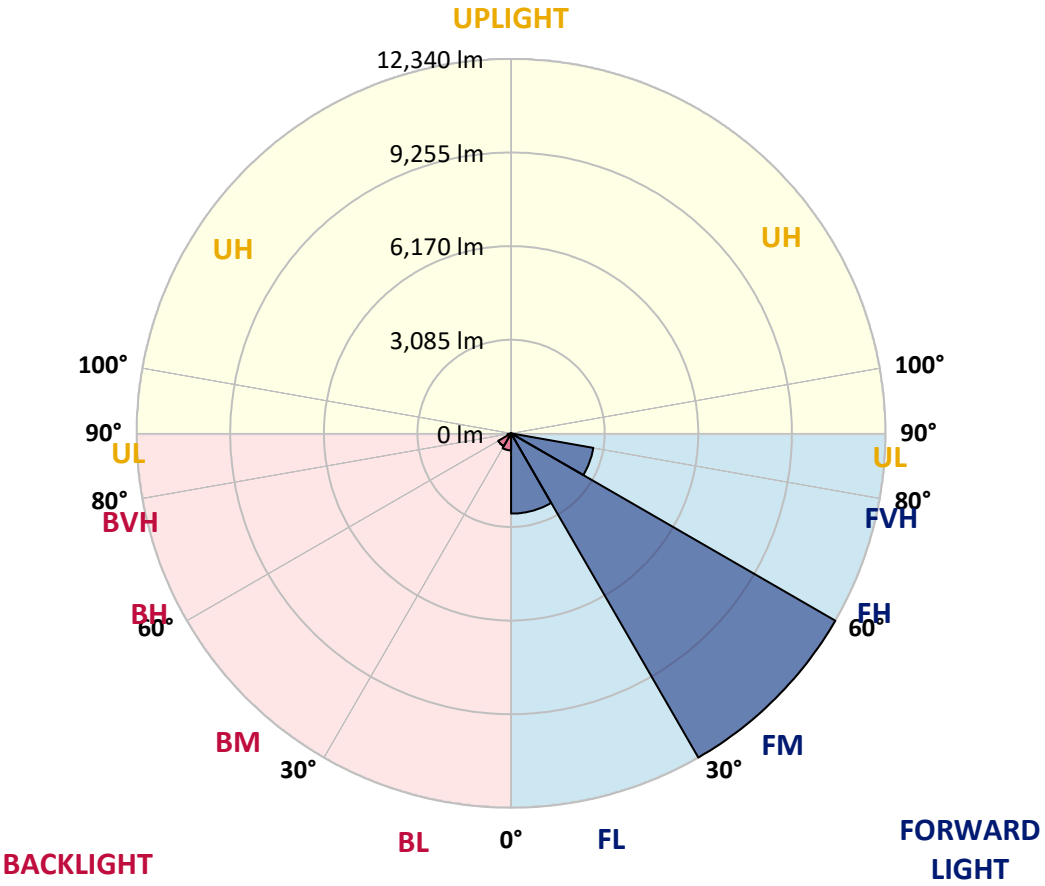
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2646.0	14.0			
FM	(30°-60°)	12339.8	65.2			
FH	(60°-80°)	2751.6	14.5			G2/5000
FVH	(80°-90°)	11.1	0.1			G1/100
BL	(0°-30°)	561.0	3.0	B2/1000		
BM	(30°-60°)	488.0	2.6	B1/1000		
BH	(60°-80°)	117.1	0.6	B1/500		G1/500
BVH	(80°-90°)	1.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P642424
CATALOG NUMBER: GWS-SA6C-830-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4886.7	4886.7	4886.7	4886.7	4886.7	4886.7	*4886.7*	4886.7	4886.7	4886.7	4886.7
2.5°	5696.8	5669.4	5711.4	5662.9	5580.4	5510.9	*5420.3*	5388.0	5242.5	5105.0	4972.4
5°	6388.9	6397.0	6384.1	6316.2	6199.7	6070.4	*5887.7*	5847.2	5593.4	5331.4	5048.4
7.5°	6560.4	6555.5	6583.0	6608.9	6589.5	6524.8	*6325.9*	6285.5	5970.1	5577.2	5164.8
10°	6031.6	6034.8	6091.4	6266.0	6482.7	6707.5	*6676.8*	6654.1	6345.3	5855.3	5294.2
12.5°	5284.5	5313.6	5373.4	5622.5	5989.5	6500.5	*6817.5*	6840.1	6689.7	6160.9	5446.2
15°	4961.1	4967.6	5016.1	5166.5	5439.7	6070.4	*6757.6*	6820.7	6977.5	6468.2	5611.1
17.5°	4953.0	4961.1	4982.1	5048.4	5226.3	5732.4	*6565.2*	6675.2	7194.2	6798.1	5808.4
20°	5257.0	5252.2	5237.6	5202.0	5279.7	5620.8	*6387.3*	6508.6	7312.3	7119.8	6007.3
22.5°	5808.4	5802.0	5737.3	5590.1	5527.1	5722.7	*6300.0*	6410.0	7383.4	7406.1	6170.6
25°	6443.9	6489.2	6367.9	6144.8	5989.5	5983.1	*6377.6*	6455.2	7444.9	7659.9	6282.2
27.5°	7140.9	7155.4	7051.9	6801.3	6576.5	6400.3	*6602.4*	6660.6	7512.8	7886.3	6345.3
30°	7905.7	7900.9	7782.8	7491.8	7218.5	6964.6	*6980.8*	7003.4	7671.3	8145.1	6414.8
32.5°	8861.4	8882.4	8672.2	8276.0	7947.8	7596.9	*7475.6*	7478.8	7957.5	8478.2	6519.9
35°	10159.9	10108.1	9830.0	9265.7	8706.2	8327.8	*8120.8*	8103.0	8398.9	8926.1	6702.7
37.5°	11396.9	11401.8	11110.7	10489.8	9783.1	9186.4	*8893.7*	8845.2	9019.9	9547.0	7006.7
40°	12255.6	12271.8	12150.5	11825.4	11076.8	10232.7	*9802.5*	9752.4	9825.2	10332.9	7404.4
42.5°	12710.0	12755.2	12789.2	12865.2	12297.6	11539.2	*10877.9*	10873.0	10797.0	11228.8	7865.3
45°	12727.8	12795.7	13002.7	13521.7	13586.4	13030.1	*12310.6*	12202.2	11909.5	12187.7	8277.7
47.5°	12024.3	12181.2	12621.0	13649.5	14328.6	14513.0	*13799.9*	13733.6	12912.1	12946.1	8586.5
50°	10384.7	10548.0	11358.1	12994.6	14516.2	15690.2	*15434.7*	15297.2	13749.7	13447.3	8735.3
52.5°	8702.9	8851.7	9401.5	11435.7	13738.4	16060.5	*16812.4*	16649.1	14501.7	13622.0	8673.8
55°	*6055.8*	*6254.7*	*6791.6*	*8547.7*	*11946.7*	*15339.3*	*17268.4*	*17234.5*	*15172.7*	*13512.0*	*8578.4*
57.5°	2968.9	3166.2	3701.4	5269.9	8850.1	13392.4	*16571.5*	16751.0	15573.8	13394.0	8500.8
60°	1240.3	1321.1	1505.5	2312.4	4951.4	10121.1	*14998.1*	15247.1	15328.0	13233.9	8492.7
62.5°	719.6	732.5	751.9	958.9	1925.9	5802.0	*12441.5*	12795.7	14035.9	13022.1	8365.0
65°	543.3	548.2	540.1	588.6	795.6	2200.8	*8989.2*	9471.0	11715.5	12194.1	7860.5
67.5°	446.3	446.3	425.3	435.0	499.7	824.7	*4962.7*	5635.4	8669.0	10022.4	6490.8
70°	355.7	363.8	354.1	341.2	357.4	456.0	*1765.8*	2189.5	5048.4	5918.4	3785.5
72.5°	270.0	270.0	286.2	276.5	265.2	286.2	*616.1*	692.1	2026.2	2467.6	1366.4
75°	208.6	215.1	226.4	216.7	200.5	169.8	*295.9*	313.7	611.2	574.1	305.6
77.5°	106.7	108.3	143.9	158.5	148.8	103.5	*129.4*	142.3	198.9	177.9	113.2
80°	64.7	67.9	80.9	124.5	98.6	55.0	*53.4*	56.6	93.8	80.9	46.9
82.5°	27.5	29.1	45.3	45.3	40.4	21.0	*21.0*	21.0	45.3	42.0	19.4
85°	0.0	0.0	8.1	6.5	6.5	8.1	*8.1*	8.1	11.3	16.2	9.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	1.6	4.9	4.9
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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Scaled Data Report

REPORT NUMBER: P642424
CATALOG NUMBER: GWS-SA6C-830-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4886.7	4886.7	4886.7	4886.7	4886.7	4886.7	4886.7	4886.7	4886.7	4886.7	4886.7
2.5°	4886.7	4783.2	4644.2	4518.0	4348.2	4252.8	4120.2	4011.9	3919.7	3890.6	3877.7
5°	4888.3	4710.5	4412.9	4115.4	3749.9	3462.1	3166.2	2931.7	2739.3	2677.8	2661.7
7.5°	4920.7	4658.7	4176.8	3636.7	3025.5	2521.0	2069.8	1665.6	1478.0	1414.9	1402.0
10°	4964.3	4615.0	3903.5	3062.7	2184.6	1536.2	1088.3	829.5	706.6	638.7	648.4
12.5°	5020.9	4579.5	3601.2	2441.7	1445.6	844.1	598.3	501.3	475.4	462.5	456.0
15°	5096.9	4537.4	3226.0	1825.6	886.1	543.3	460.9	435.0	425.3	418.8	417.2
17.5°	5174.5	4488.9	2844.4	1283.9	588.6	451.2	414.0	401.0	394.6	389.7	388.1
20°	5257.0	4406.4	2396.5	884.5	464.1	405.9	381.6	367.1	359.0	350.9	349.3
22.5°	5292.6	4273.8	1967.9	619.3	412.3	373.5	342.8	325.0	315.3	308.9	308.9
25°	5258.6	4058.8	1524.9	470.6	375.2	338.0	307.2	287.8	279.7	273.3	273.3
27.5°	5168.1	3782.3	1112.5	389.7	334.7	300.8	271.7	253.9	247.4	244.2	244.2
30°	5067.8	3433.0	784.3	334.7	289.5	262.0	237.7	226.4	224.8	221.5	221.5
32.5°	4982.1	3106.3	540.1	294.3	255.5	228.0	211.8	207.0	208.6	205.4	207.0
35°	4935.2	2786.2	401.0	262.0	228.0	202.1	194.0	194.0	194.0	192.4	192.4
37.5°	4954.6	2470.8	326.6	239.3	203.7	184.3	176.3	179.5	182.7	182.7	182.7
40°	5051.6	2191.1	289.5	218.3	182.7	168.2	161.7	166.6	171.4	174.6	174.6
42.5°	5174.5	1964.7	262.0	200.5	168.2	152.0	148.8	153.6	158.5	161.7	161.7
45°	5252.2	1736.7	234.5	177.9	153.6	134.2	134.2	140.7	139.1	140.7	140.7
47.5°	5287.7	1555.6	207.0	153.6	131.0	116.4	118.0	121.3	118.0	121.3	121.3
50°	5200.4	1372.9	182.7	127.7	108.3	101.9	105.1	103.5	103.5	110.0	110.0
52.5°	5040.3	1237.0	161.7	108.3	92.2	90.6	93.8	87.3	88.9	88.9	87.3
55°	*4922.3*	*1159.4*	*143.9*	*93.8*	*79.2*	*80.9*	*79.2*	*67.9*	*61.4*	*55.0*	*53.4*
57.5°	4864.1	1128.7	131.0	84.1	71.1	71.1	64.7	46.9	35.6	27.5	24.3
60°	4851.1	1091.5	118.0	72.8	63.1	59.8	46.9	27.5	17.8	12.9	11.3
62.5°	4728.2	1001.0	106.7	58.2	55.0	48.5	29.1	16.2	9.7	6.5	4.9
65°	4325.6	823.1	95.4	45.3	42.0	35.6	17.8	9.7	4.9	1.6	0.0
67.5°	3441.1	583.8	84.1	34.0	29.1	22.6	11.3	6.5	1.6	0.0	0.0
70°	1984.1	315.3	69.5	24.3	19.4	14.6	8.1	3.2	0.0	0.0	0.0
72.5°	663.0	147.2	53.4	16.2	14.6	11.3	4.9	1.6	0.0	0.0	0.0
75°	145.5	87.3	35.6	11.3	9.7	8.1	3.2	0.0	0.0	0.0	0.0
77.5°	55.0	61.4	17.8	8.1	6.5	4.9	1.6	0.0	0.0	0.0	0.0
80°	21.0	40.4	8.1	4.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	11.3	16.2	4.9	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.5	8.1	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	1.6	1.6	1.6	0.0	0.0	0.0	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: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

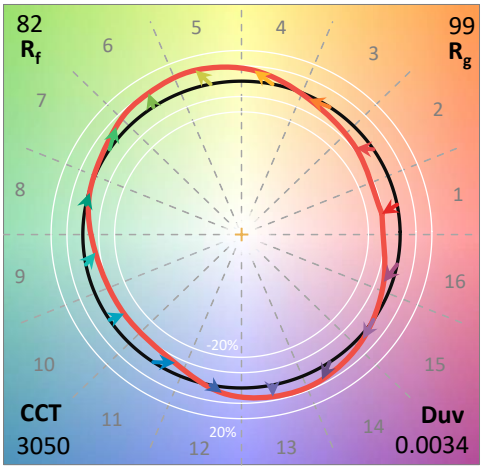
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

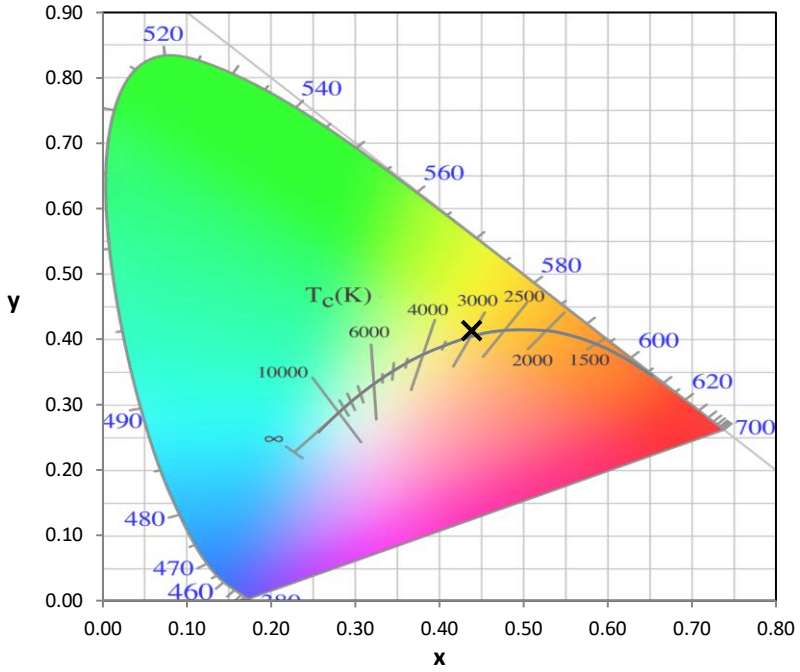
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

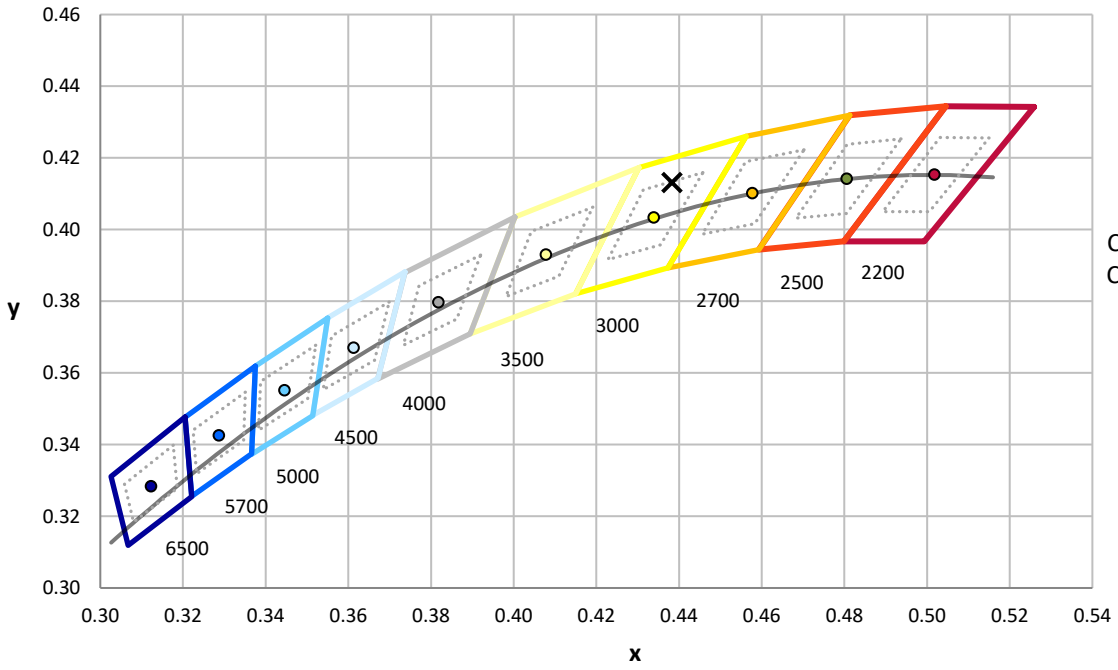
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

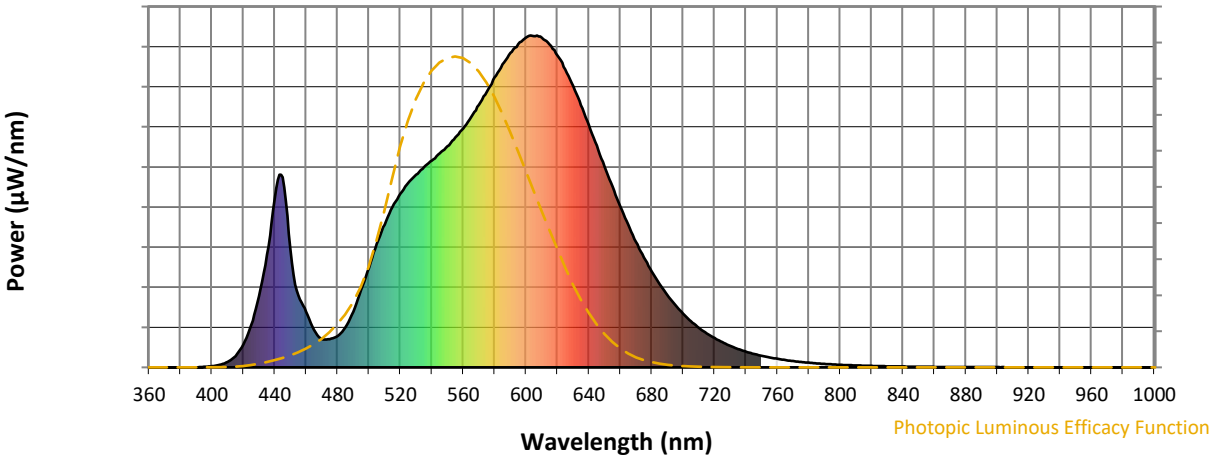


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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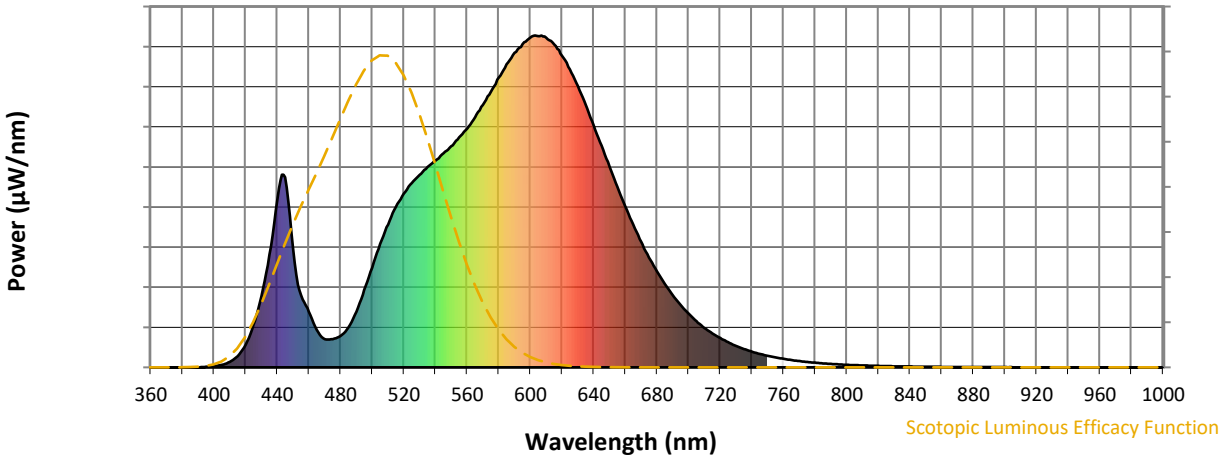
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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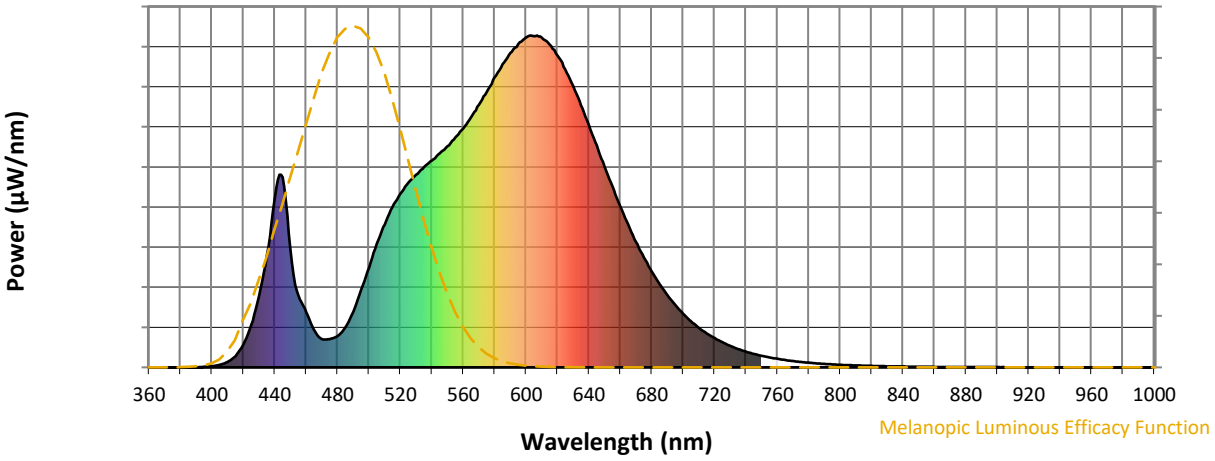
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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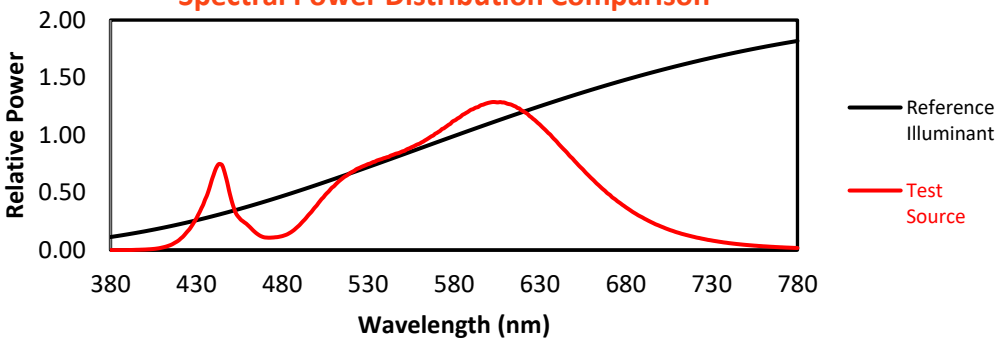
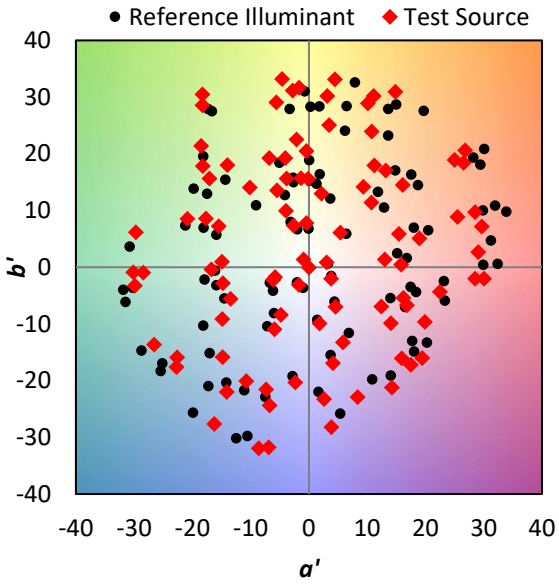
Summary

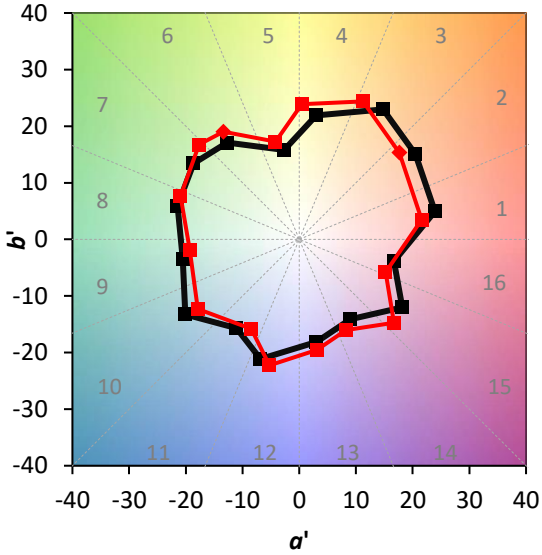
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

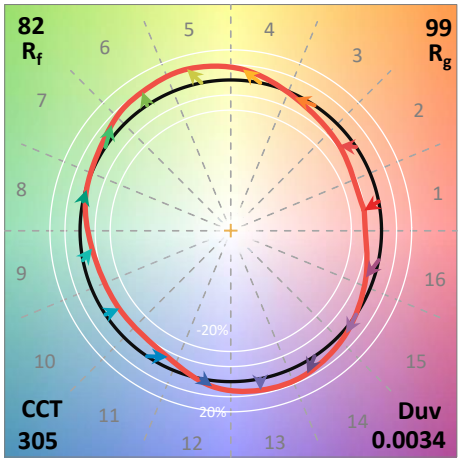
Spectral Power Distribution Comparison

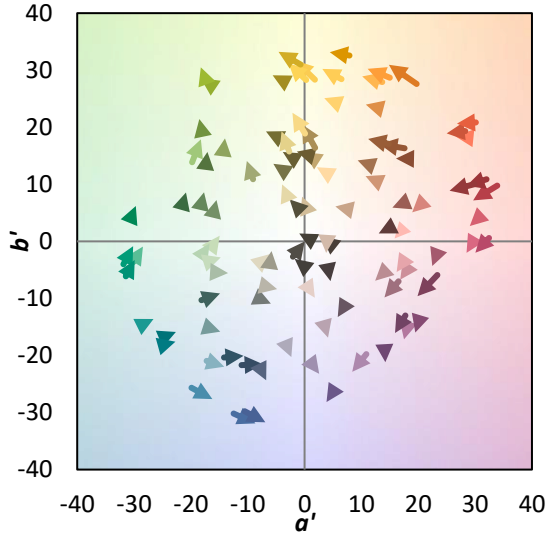


Color Vector Graphics









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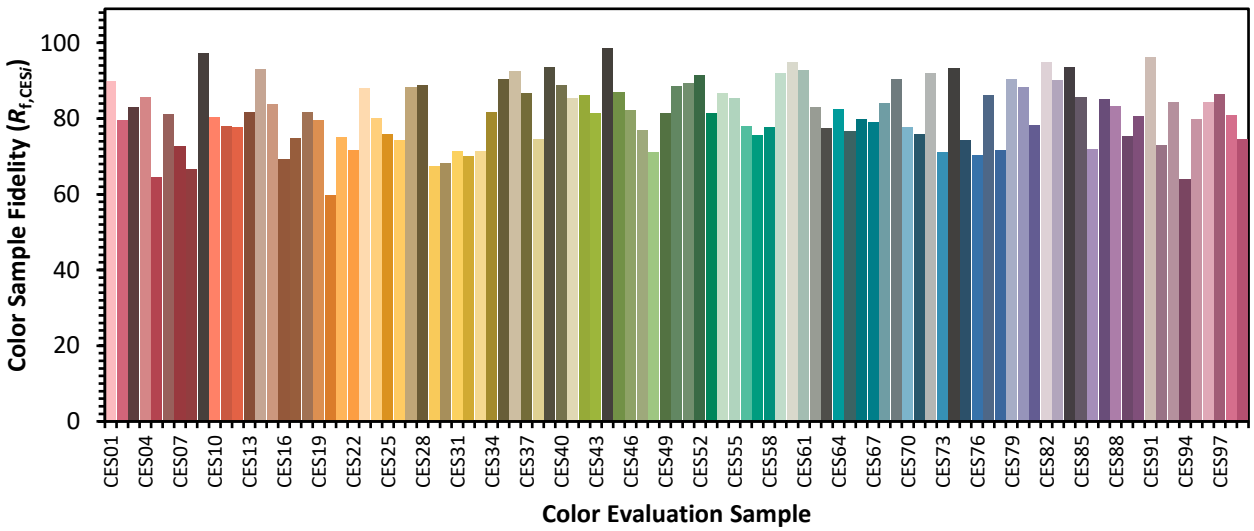
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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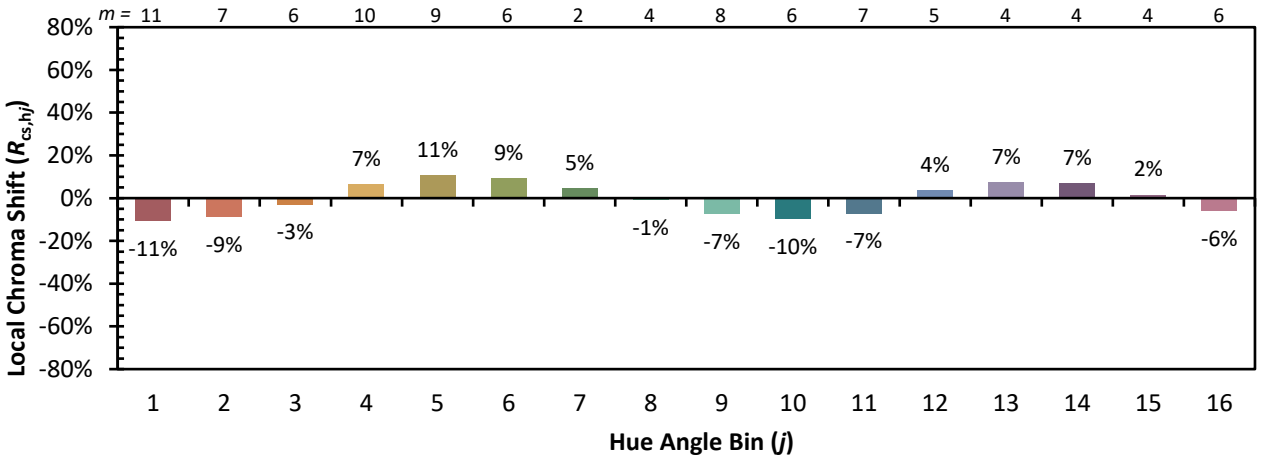
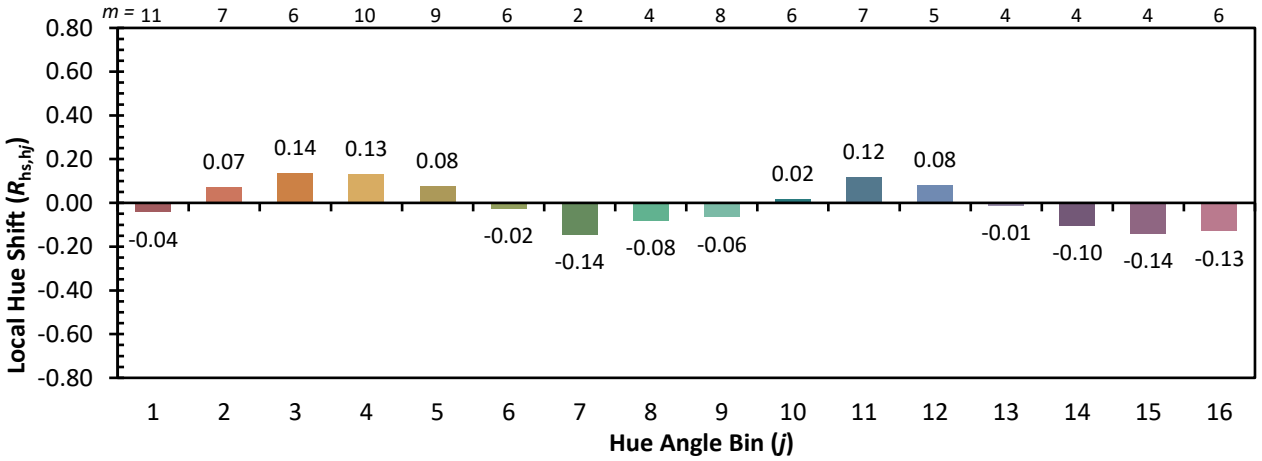
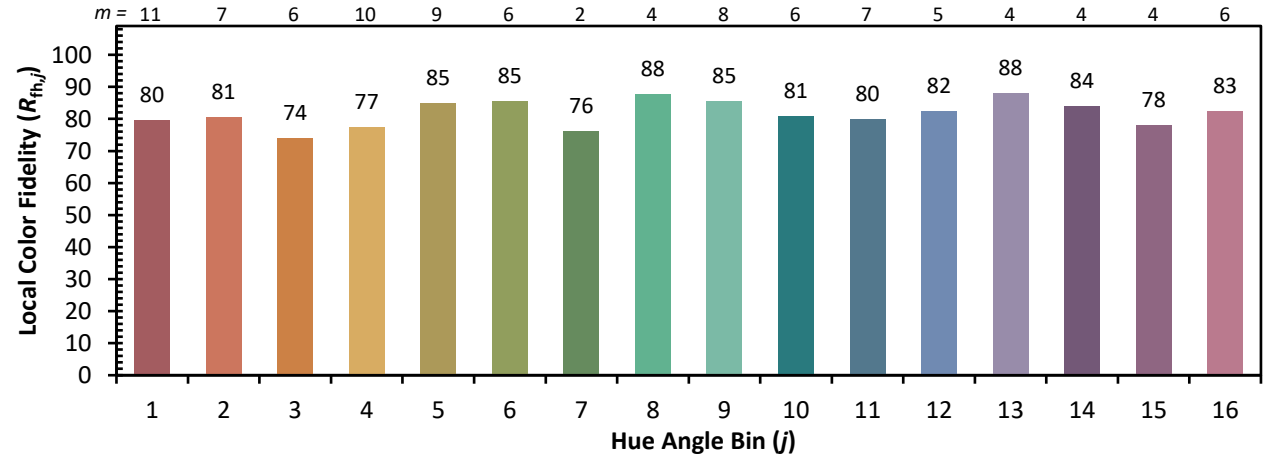
Color Rendition by Hue-Angle Bin







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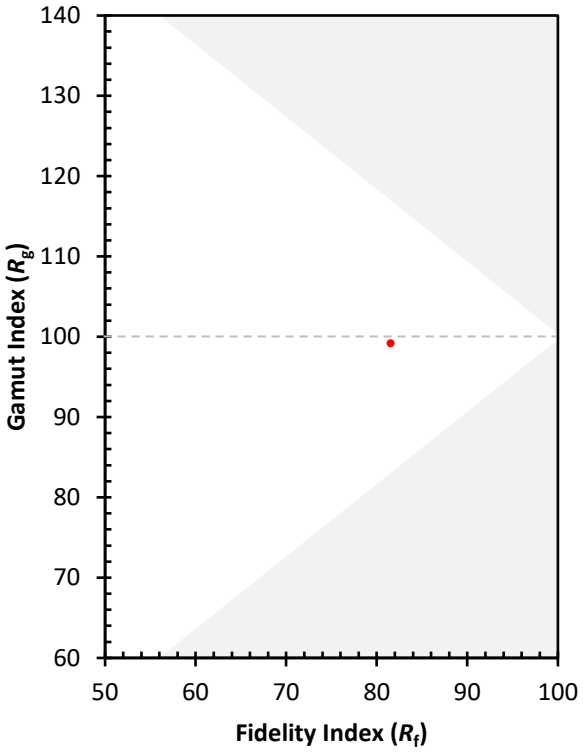
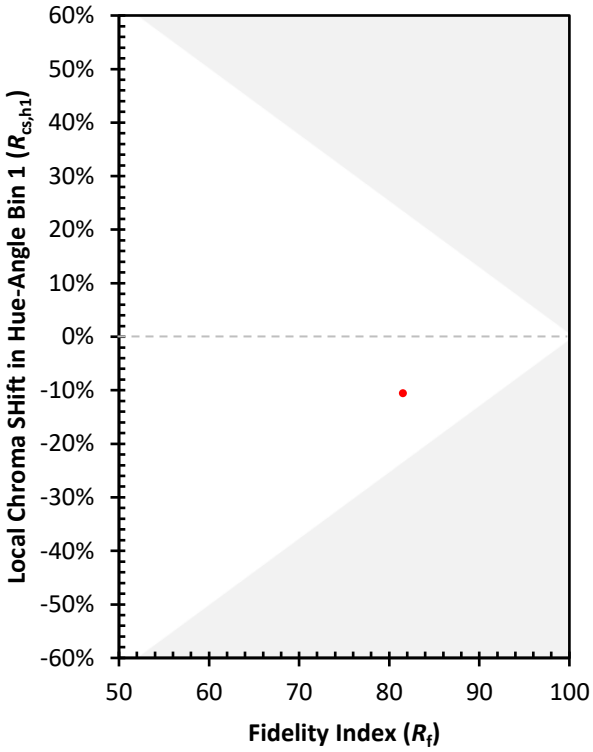
Measure Comparisons





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