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: P641955

Luminaire Tested: GWS-SA6B-830-U-T2-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:	P641955
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6B-830-U-T2-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12598.6 lumens
Efficiency:	N/A
Efficacy:	90.7 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	138.9
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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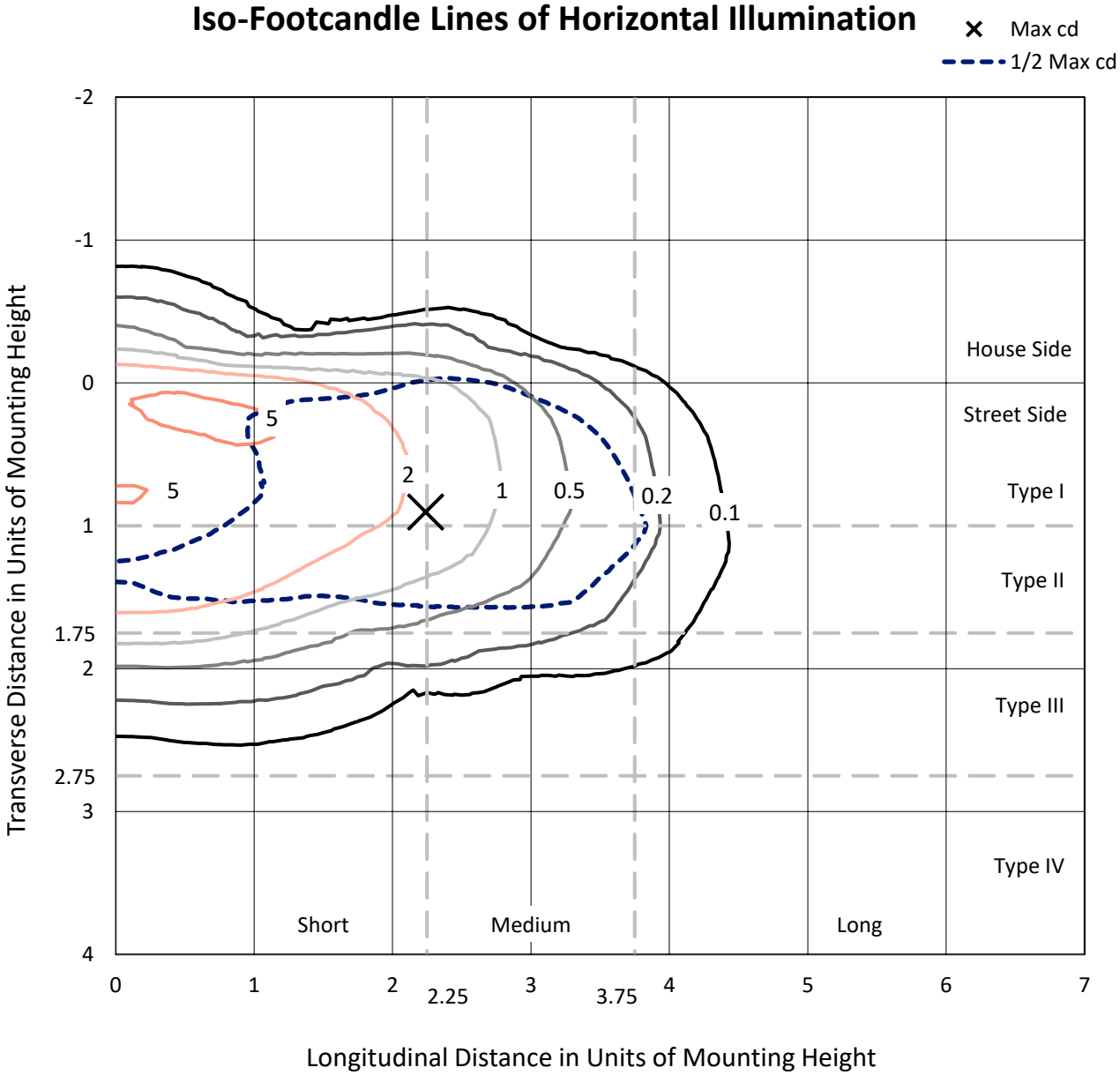
Scaled Data Report

REPORT NUMBER: P641955
CATALOG NUMBER: GWS-SA6B-830-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
Type II - Short - N/A

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REPORT NUMBER: P641955
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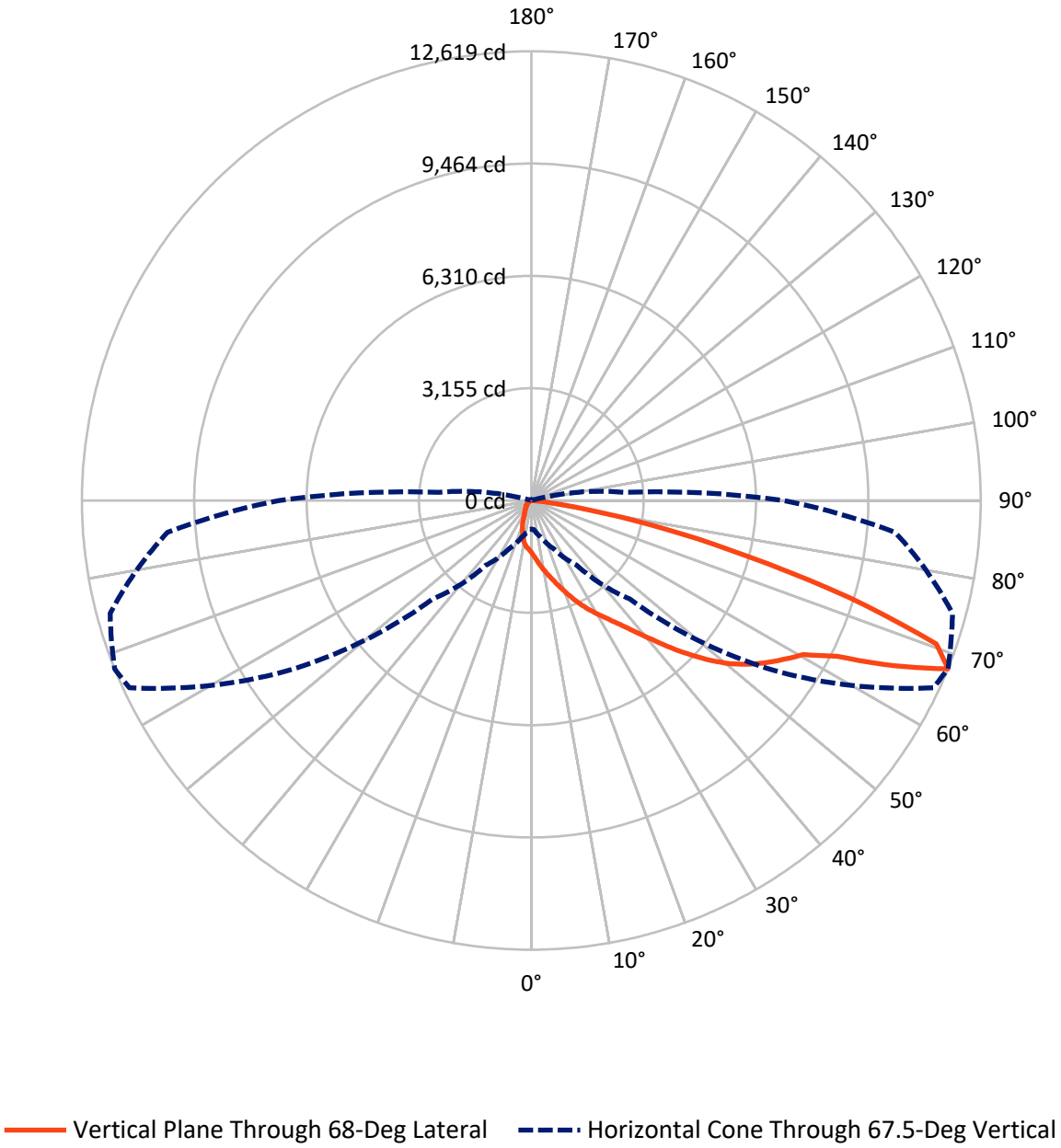
Luminous Intensity Polar Plot



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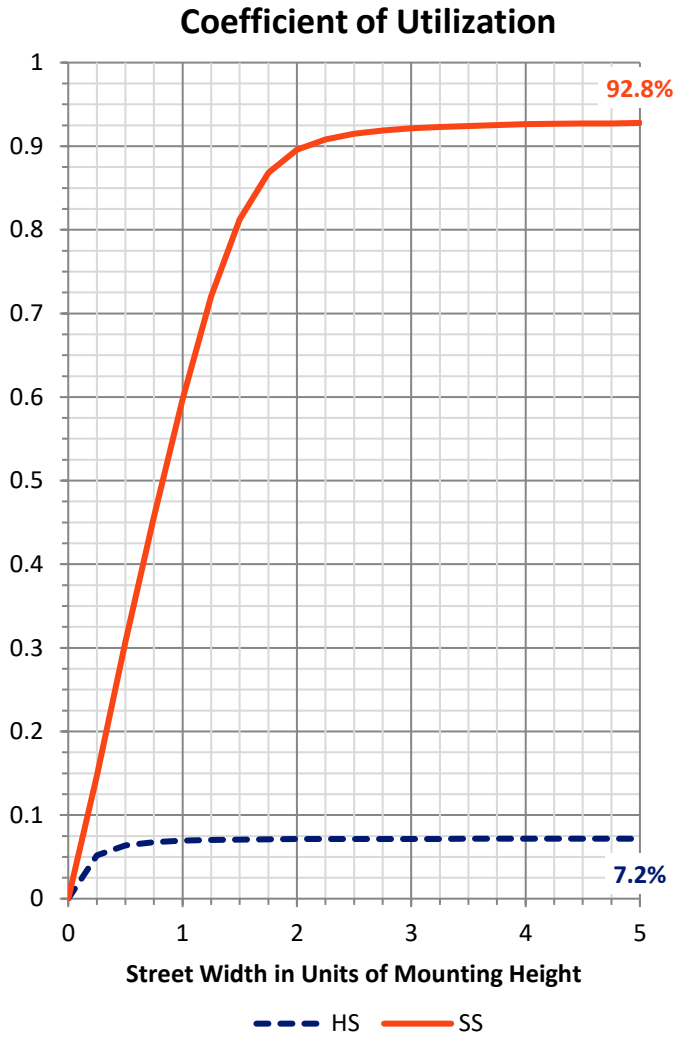
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	909.8	0.0	909.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	11688.8	0.0	11688.8
	% Fixture	92.8	0.0	92.8
Total	Lumens	12598.6	0.0	12598.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	1.1
10°-20°	410.6	3.3
20°-30°	705.7	5.6
30°-40°	1226.9	9.7
40°-50°	2140.8	17.0
50°-60°	3228.9	25.6
60°-70°	3237.8	25.7
70°-80°	1428.5	11.3
80°-90°	76.3	0.6
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°	12598.6	100.0
0°-180°	12598.6	100.0



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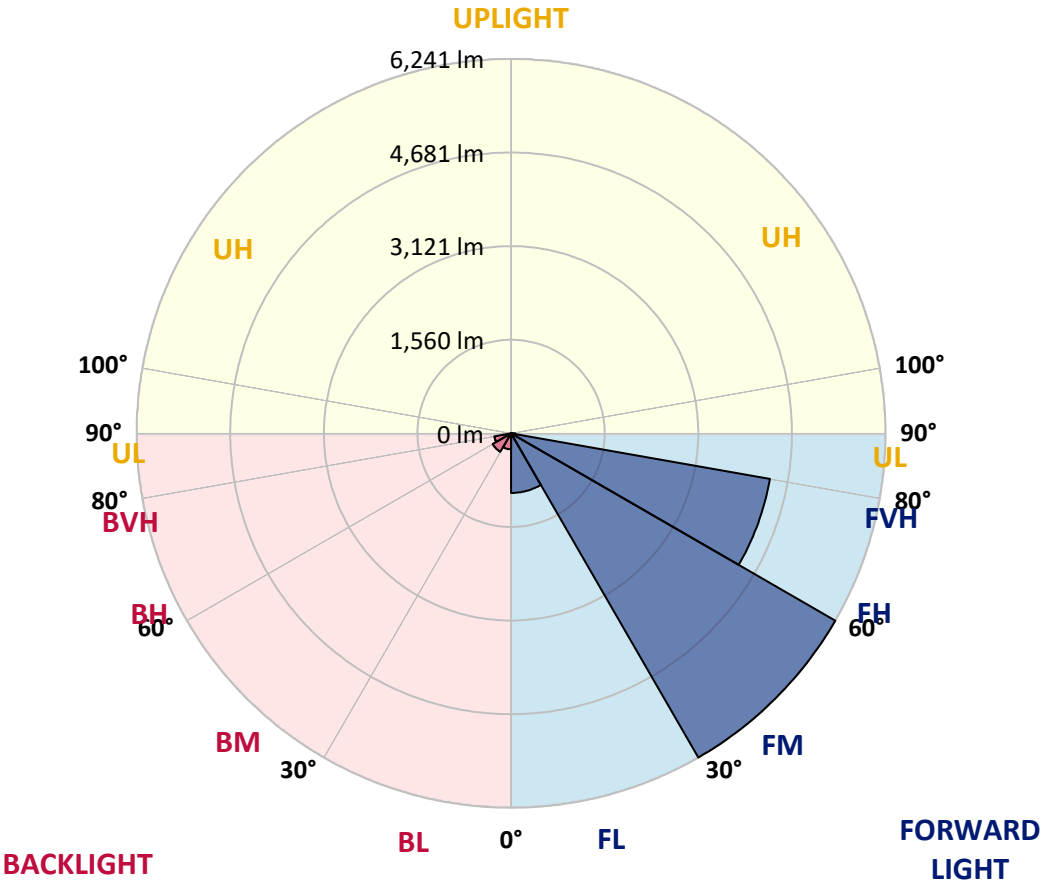
REPORT NUMBER: P641955
CATALOG NUMBER: GWS-SA6B-830-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	993.1	7.9			
FM	(30°-60°)	6241.3	49.5			
FH	(60°-80°)	4382.4	34.8			G2/5000
FVH	(80°-90°)	72.0	0.6			G1/100
BL	(0°-30°)	266.2	2.1	B1/500		
BM	(30°-60°)	355.4	2.8	B1/1000		
BH	(60°-80°)	283.9	2.3	B1/500		G1/500
BVH	(80°-90°)	4.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P641955
CATALOG NUMBER: GWS-SA6B-830-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	*1466.2*	1466.2	1466.2
2.5°	1707.3	1718.2	1707.3	1709.7	1678.4	1663.9	1632.5	1589.1	*1578.3*	1550.6	1508.4
5°	1915.9	1925.5	1914.7	1912.3	1876.1	1849.6	1797.7	1723.0	*1701.3*	1647.0	1563.8
7.5°	2029.2	2035.3	2038.9	2044.9	2031.6	2009.9	1962.9	1870.1	*1847.2*	1759.1	1642.2
10°	2041.3	2046.1	2064.2	2100.4	2126.9	2140.2	2113.6	2028.0	*1991.9*	1906.2	1738.6
12.5°	2007.5	2014.8	2043.7	2104.0	2177.5	2245.1	2261.9	2187.2	*2154.6*	2044.9	1852.0
15°	1962.9	1968.9	2008.7	2090.7	2201.6	2325.8	2395.8	2363.2	*2327.0*	2212.5	1977.4
17.5°	1894.2	1902.6	1958.1	2069.0	2212.5	2389.7	2540.5	2551.3	*2526.0*	2401.8	2116.0
20°	1855.6	1861.6	1911.1	2025.6	2205.3	2436.8	2675.5	2778.0	*2750.2*	2620.0	2275.2
22.5°	1888.2	1893.0	1925.5	2014.8	2181.1	2463.3	2800.9	3004.7	*2989.0*	2853.9	2442.8
25°	2059.4	2075.0	2055.8	2071.4	2192.0	2477.8	2902.2	3231.3	*3234.9*	3098.7	2616.4
27.5°	2406.6	2386.1	2340.3	2261.9	2276.4	2516.3	2989.0	3444.7	*3476.1*	3337.4	2770.7
30°	2759.9	2747.8	2720.1	2598.3	2497.0	2601.9	3062.5	3663.0	*3712.4*	3572.6	2908.2
32.5°	3156.6	3168.6	3119.2	2973.3	2800.9	2775.6	3138.5	3870.4	*3963.2*	3839.0	3069.8
35°	3630.4	3634.0	3536.4	3374.8	3179.5	3062.5	3274.7	4099.5	*4270.7*	4179.0	3285.6
37.5°	4092.2	4113.9	4060.9	3806.5	3632.8	3419.4	3500.2	4393.6	*4634.8*	4598.6	3556.9
40°	4501.0	4534.7	4517.8	4271.9	4044.0	3864.3	3849.9	4738.5	*5074.9*	5115.9	3915.0
42.5°	4826.5	4848.2	4861.5	4686.6	4485.3	4384.0	4281.5	5138.8	*5594.5*	5762.1	4353.9
45°	5170.1	5177.4	5205.1	5086.9	4910.9	4919.3	4791.5	5624.7	*6141.9*	6478.3	4857.8
47.5°	5607.8	5631.9	5618.7	5494.5	5335.3	5430.6	5318.4	6125.1	*6682.1*	7242.8	5373.9
50°	6140.7	6166.1	6154.0	6009.3	5832.1	5871.9	5801.9	6611.0	*7203.0*	7963.8	5803.1
52.5°	6415.6	6436.1	6585.6	6650.8	6557.9	6304.7	6214.3	7145.1	*7643.1*	8557.0	6197.4
55°	6283.0	6297.5	6623.0	6897.9	7237.9	6984.7	6629.1	7557.5	*8031.3*	9020.0	6490.4
57.5°	5733.2	5811.6	6254.1	6719.5	7434.5	7656.3	7301.8	8006.0	*8405.1*	9341.9	6778.6
60°	4605.9	4602.2	5236.4	6072.0	7051.1	7840.8	8252.0	8612.5	*8780.1*	9589.1	7164.4
62.5°	2545.3	2568.2	3412.2	4513.0	5985.2	7363.3	8964.5	9660.2	*9634.9*	10020.7	7768.5
65°	1267.2	1313.0	1771.2	2585.1	3982.5	6085.3	9087.5	11259.0	*11186.7*	11037.2	9016.4
67.5°	*804.2*	*822.3*	*1075.5*	*1502.3*	*2213.7*	*3911.4*	*8321.9*	*12451.5*	*12619.1*	*12242.9*	*10254.7*
70°	520.9	551.0	747.5	1027.3	1335.9	2016.0	6096.1	11678.6	*12063.2*	12110.3	9483.0
72.5°	283.3	305.0	477.5	733.1	964.6	1008.0	3424.2	8764.4	*9382.9*	10272.7	7418.8
75°	161.6	177.2	261.6	498.0	707.8	613.7	1518.0	5867.0	*6261.3*	7341.6	5316.0
77.5°	97.7	110.9	147.1	242.3	443.7	409.9	573.9	3571.3	*3822.1*	4380.4	2790.0
80°	44.6	53.1	92.8	133.8	242.3	194.1	219.4	1665.1	*1719.4*	1797.7	923.6
82.5°	20.5	24.1	42.2	79.6	137.5	112.1	84.4	384.6	*541.4*	512.4	235.1
85°	2.4	2.4	15.7	32.6	38.6	28.9	35.0	86.8	*109.7*	154.3	67.5
87.5°	0.0	0.0	1.2	1.2	2.4	3.6	7.2	10.9	*15.7*	25.3	16.9
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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REPORT NUMBER: P641955
CATALOG NUMBER: GWS-SA6B-830-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2	1466.2
2.5°	1489.1	1455.3	1425.2	1380.6	1350.4	1316.6	1293.7	1266.0	1255.2	1246.7	1234.7
5°	1522.8	1468.6	1395.0	1313.0	1245.5	1181.6	1122.5	1083.9	1050.2	1045.4	1028.5
7.5°	1578.3	1497.5	1373.3	1239.5	1124.9	1018.8	935.6	868.1	834.4	823.5	804.2
10°	1651.8	1540.9	1340.8	1135.8	970.6	844.0	750.0	674.0	620.9	601.7	587.2
12.5°	1733.8	1580.7	1288.9	1008.0	819.9	675.2	555.8	475.1	441.3	429.2	418.4
15°	1827.9	1618.1	1206.9	880.2	672.8	496.8	412.4	377.4	362.9	359.3	355.7
17.5°	1918.3	1642.2	1109.3	747.5	517.3	385.8	346.0	332.8	329.2	325.5	323.1
20°	2020.8	1659.1	994.7	622.2	401.5	326.8	307.5	297.8	290.6	283.3	282.1
22.5°	2125.7	1659.1	870.5	499.2	336.4	293.0	271.3	253.2	239.9	232.7	230.3
25°	2225.8	1636.2	747.5	399.1	296.6	260.4	232.7	212.2	194.1	185.7	183.3
27.5°	2296.9	1577.1	640.2	337.6	268.9	231.5	197.7	174.8	160.4	151.9	150.7
30°	2341.5	1489.1	541.4	301.4	244.8	201.4	167.6	148.3	137.5	131.4	129.0
32.5°	2375.3	1380.6	453.4	276.1	221.9	174.8	145.9	130.2	120.6	115.7	114.5
35°	2442.8	1278.1	388.2	253.2	197.7	153.1	127.8	115.7	108.5	102.5	101.3
37.5°	2536.8	1192.5	336.4	232.7	174.8	136.2	115.7	104.9	98.9	92.8	91.6
40°	2675.5	1138.2	297.8	212.2	154.3	123.0	106.1	96.5	88.0	82.0	80.8
42.5°	2888.9	1112.9	272.5	191.7	136.2	110.9	97.7	85.6	77.2	71.1	69.9
45°	3143.3	1126.1	250.8	171.2	124.2	102.5	86.8	74.8	66.3	60.3	59.1
47.5°	3415.8	1173.2	232.7	151.9	112.1	94.0	77.2	63.9	56.7	50.6	49.4
50°	3700.4	1250.3	217.0	133.8	102.5	84.4	66.3	55.5	48.2	43.4	42.2
52.5°	3947.5	1355.2	201.4	120.6	94.0	74.8	57.9	48.2	41.0	36.2	35.0
55°	4183.9	1454.1	189.3	108.5	84.4	65.1	50.6	41.0	35.0	30.1	28.9
57.5°	4440.7	1559.0	174.8	97.7	76.0	57.9	44.6	35.0	30.1	25.3	24.1
60°	4814.4	1714.5	153.1	89.2	66.3	50.6	38.6	31.3	26.5	20.5	19.3
62.5°	5353.4	1997.9	129.0	77.2	56.7	43.4	32.6	26.5	21.7	16.9	14.5
65°	6361.4	2480.2	106.1	63.9	45.8	36.2	27.7	21.7	16.9	12.1	10.9
67.5°	*7087.2*	*2605.6*	*85.6*	*51.8*	*37.4*	*27.7*	*22.9*	*16.9*	*12.1*	*8.4*	*7.2*
70°	6196.2	1871.3	66.3	42.2	31.3	21.7	18.1	13.3	8.4	6.0	4.8
72.5°	4668.6	1222.6	49.4	32.6	24.1	18.1	13.3	10.9	7.2	4.8	3.6
75°	3290.4	706.6	36.2	24.1	16.9	13.3	10.9	8.4	6.0	3.6	3.6
77.5°	1686.8	291.8	25.3	16.9	12.1	8.4	7.2	4.8	4.8	3.6	2.4
80°	512.4	96.5	14.5	10.9	8.4	6.0	3.6	3.6	3.6	2.4	1.2
82.5°	117.0	31.3	8.4	8.4	6.0	4.8	3.6	1.2	1.2	0.0	0.0
85°	30.1	9.6	7.2	6.0	6.0	4.8	2.4	1.2	0.0	0.0	0.0
87.5°	10.9	6.0	6.0	6.0	4.8	3.6	2.4	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

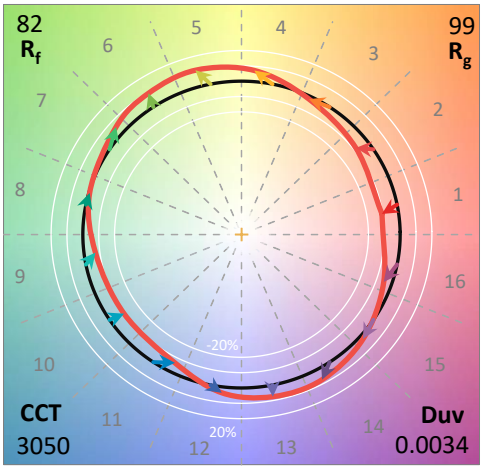
Test Information

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

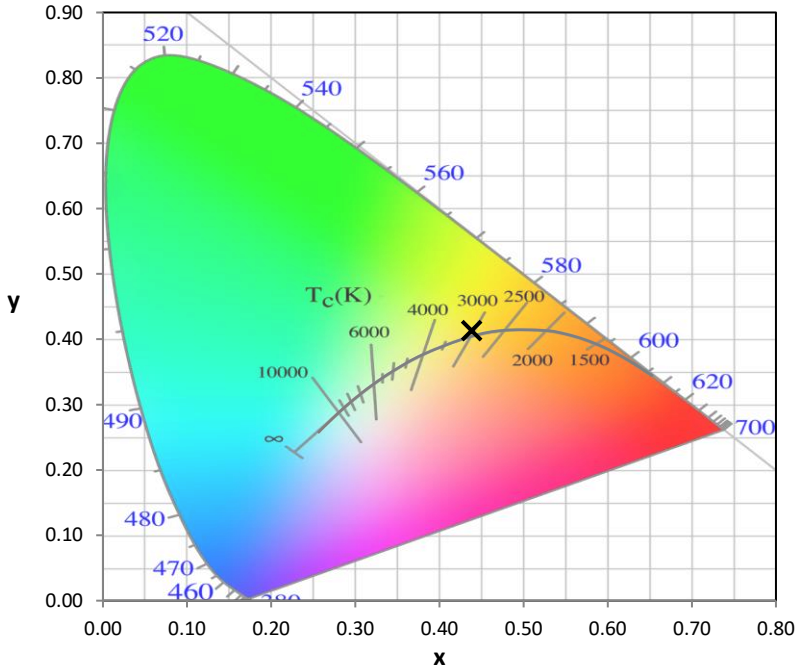
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

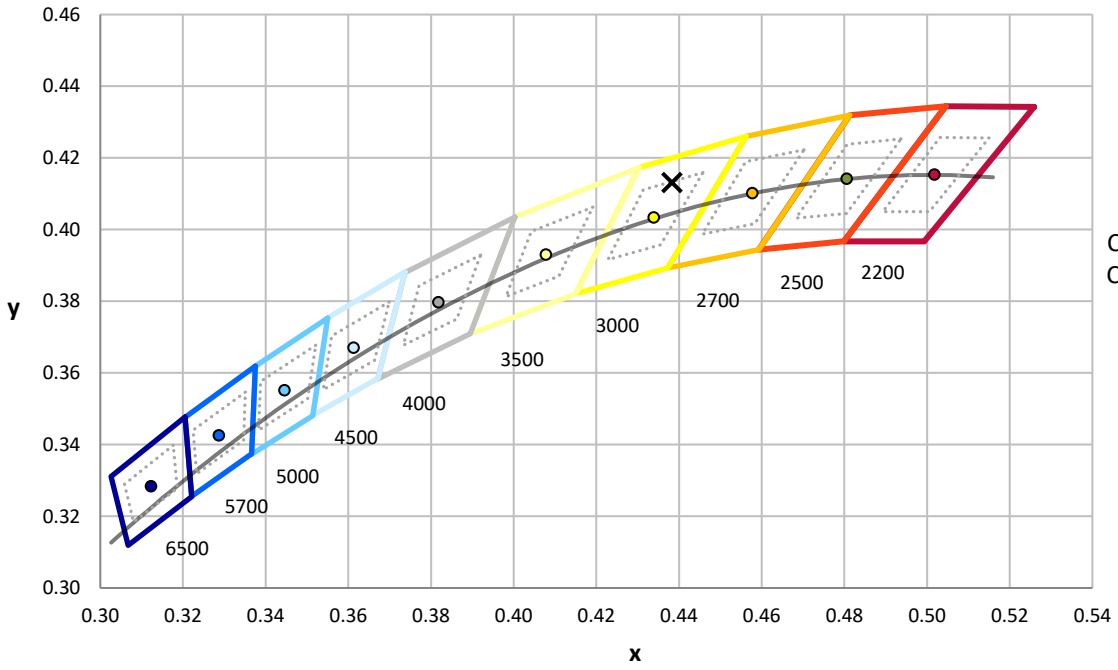
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

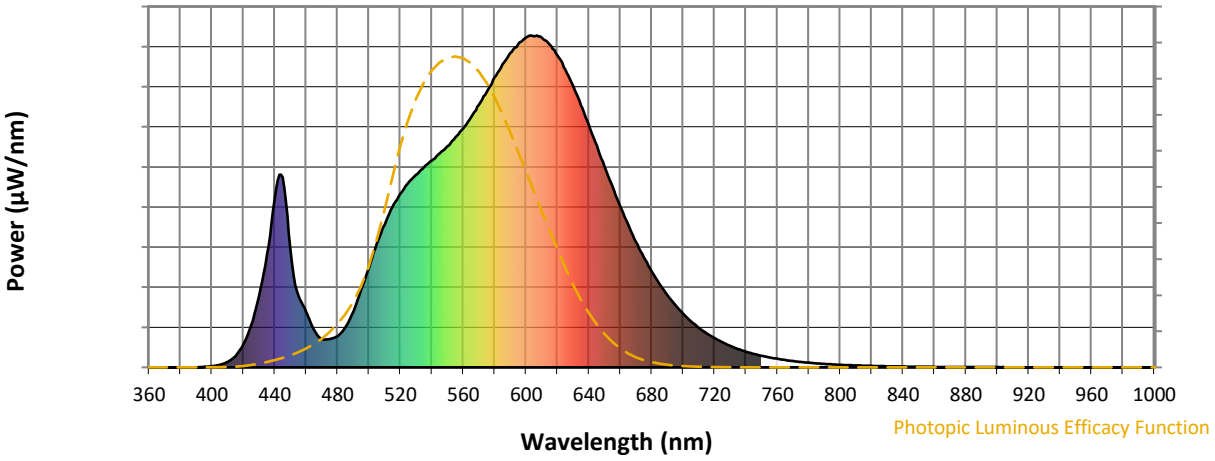


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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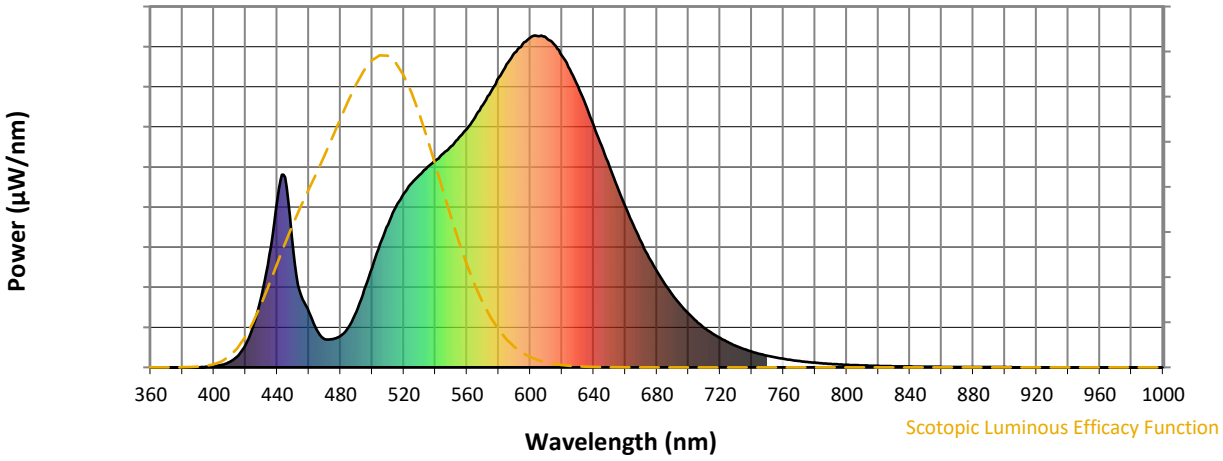
Scotopic Flux vs. Wavelength



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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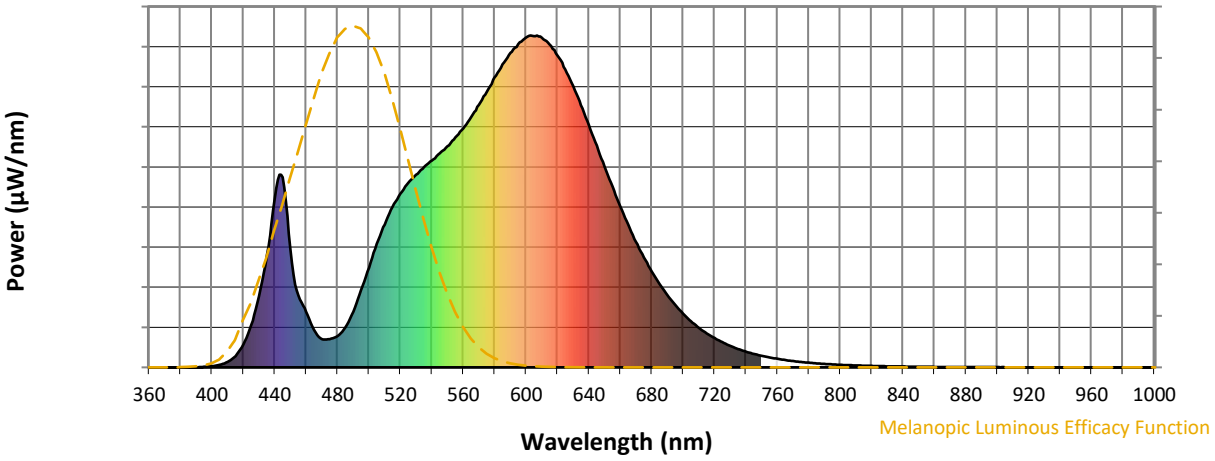
Melanopic Flux vs. Wavelength



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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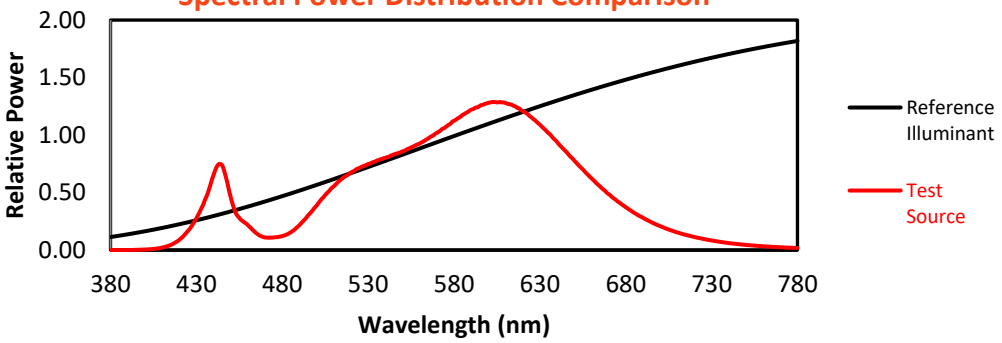
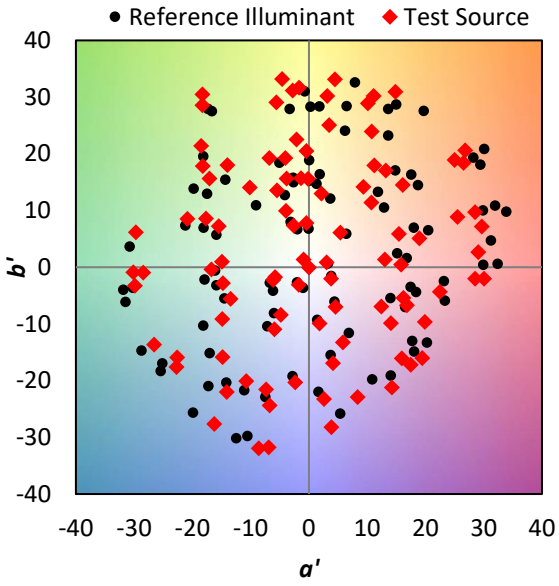
Summary

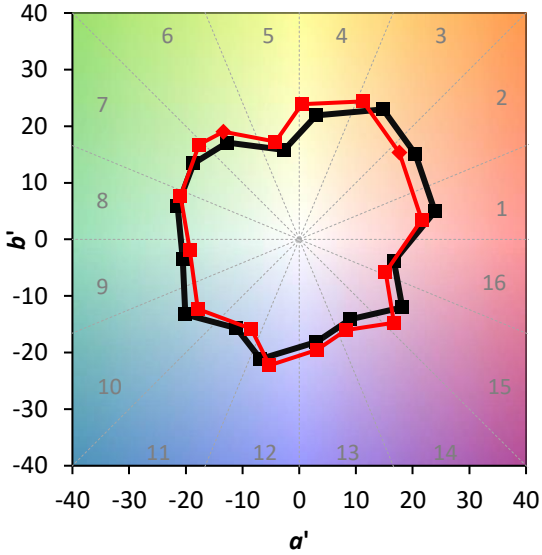
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

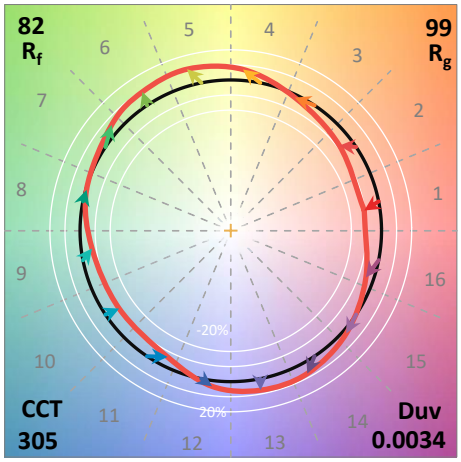
Spectral Power Distribution Comparison

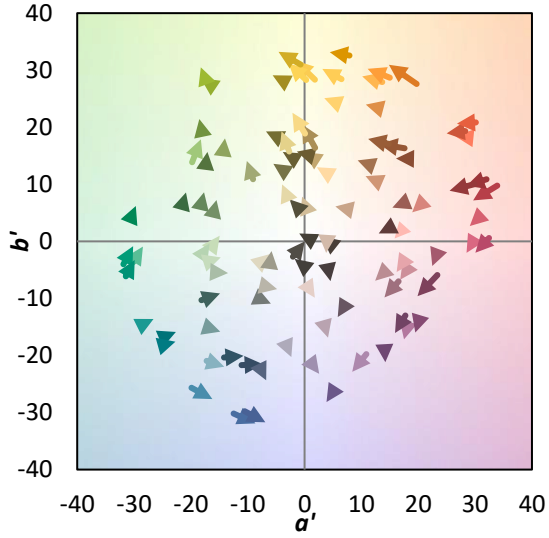


Color Vector Graphics









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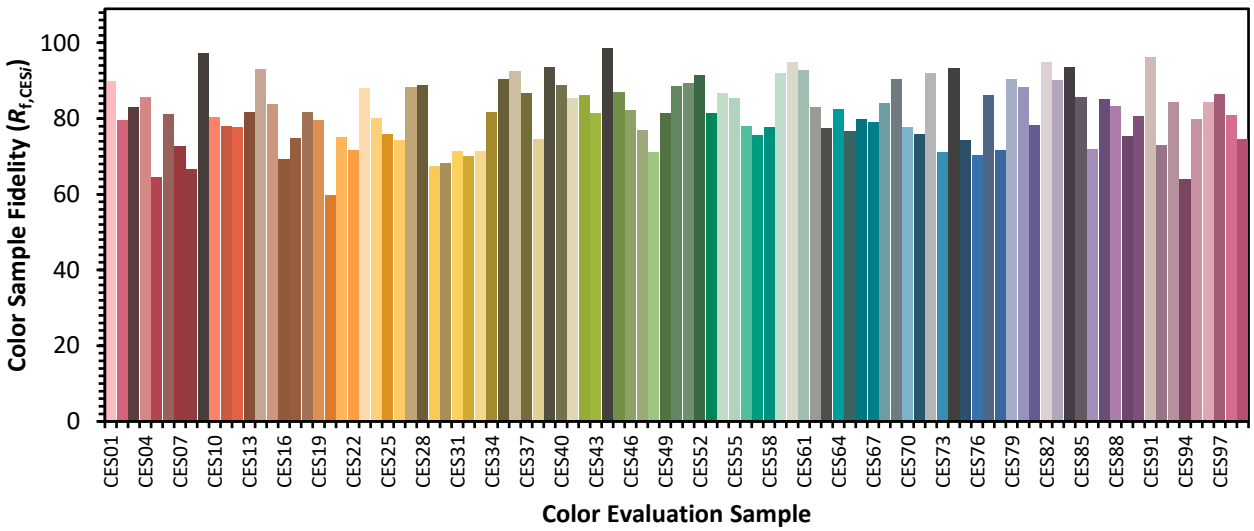
Individual Sample Fidelity Index ($R_{f,i}$)

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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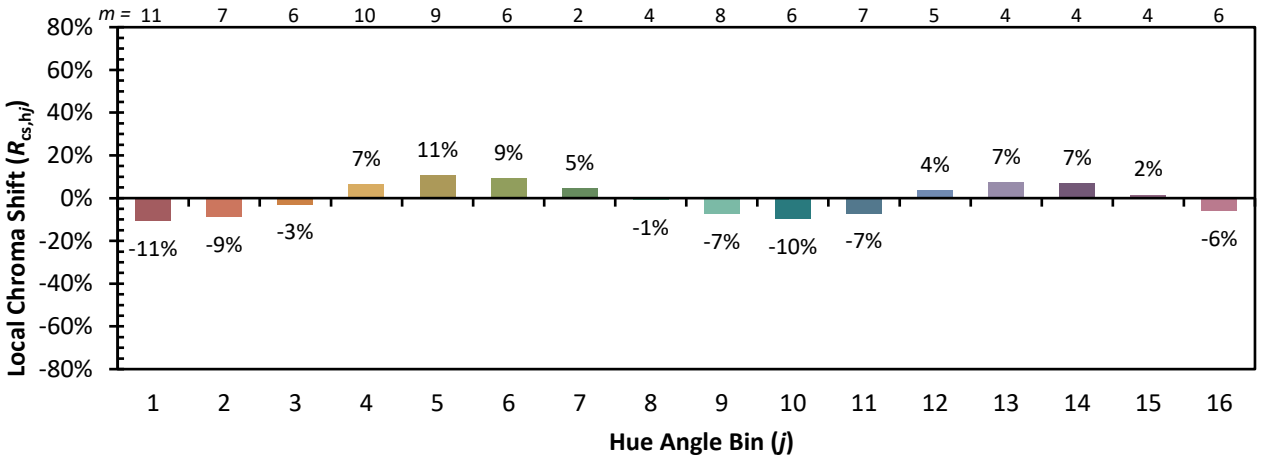
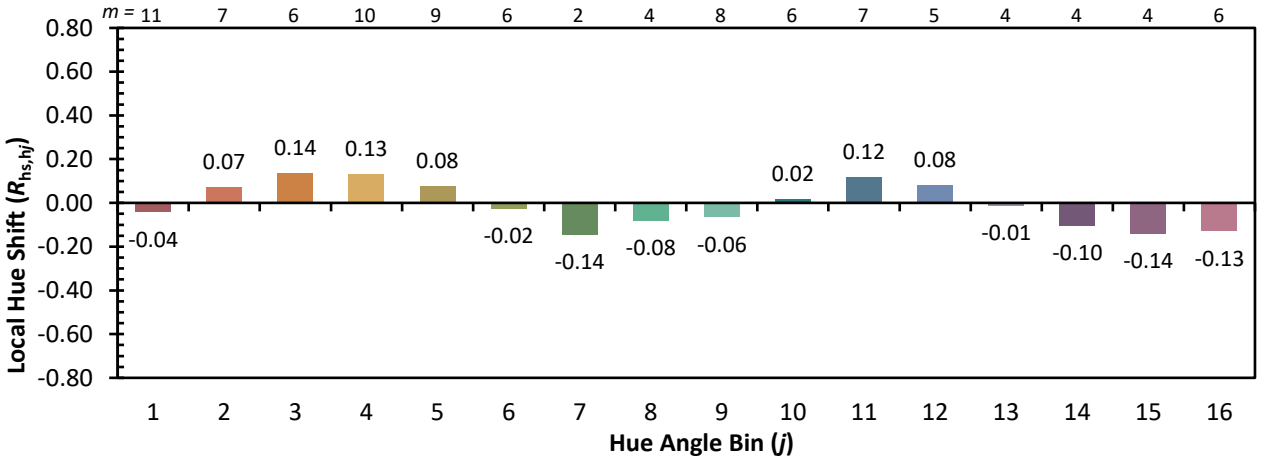
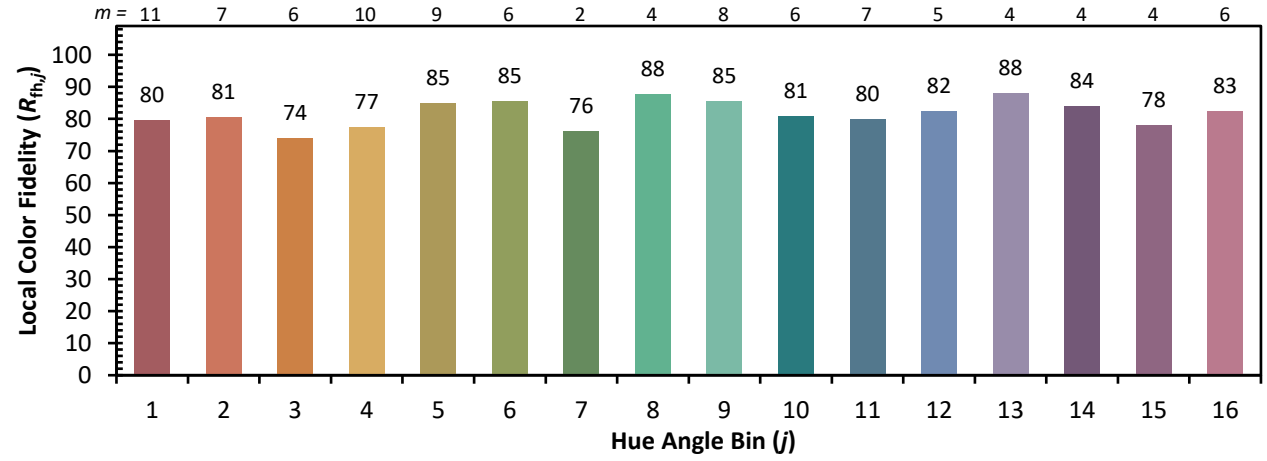
Color Rendition by Hue-Angle Bin







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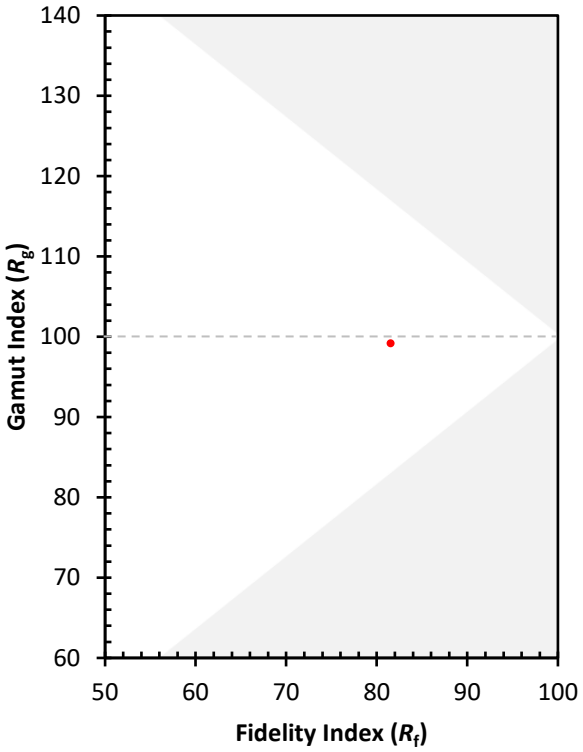
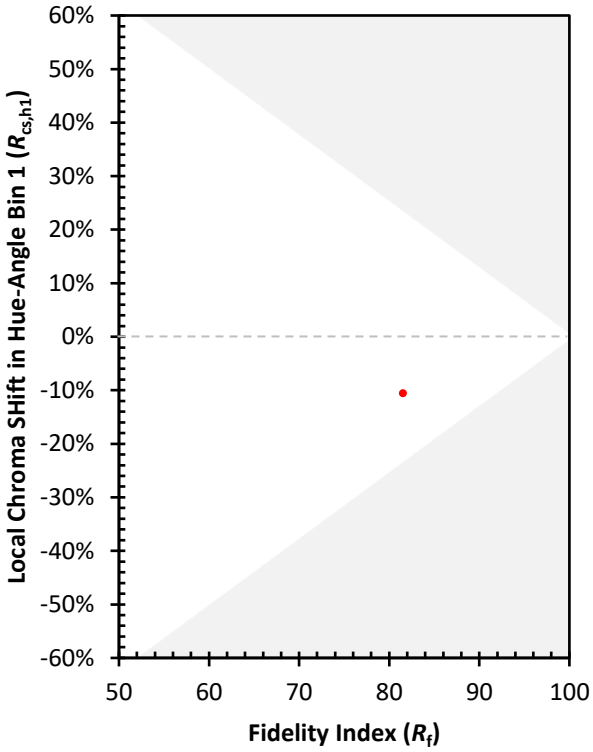
Measure Comparisons





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