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: P642448

Luminaire Tested: GWS-SA6C-830-U-T2-W-GRSBK

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:	P642448
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-T2-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13398.5 lumens
Efficiency:	N/A
Efficacy:	70.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G1

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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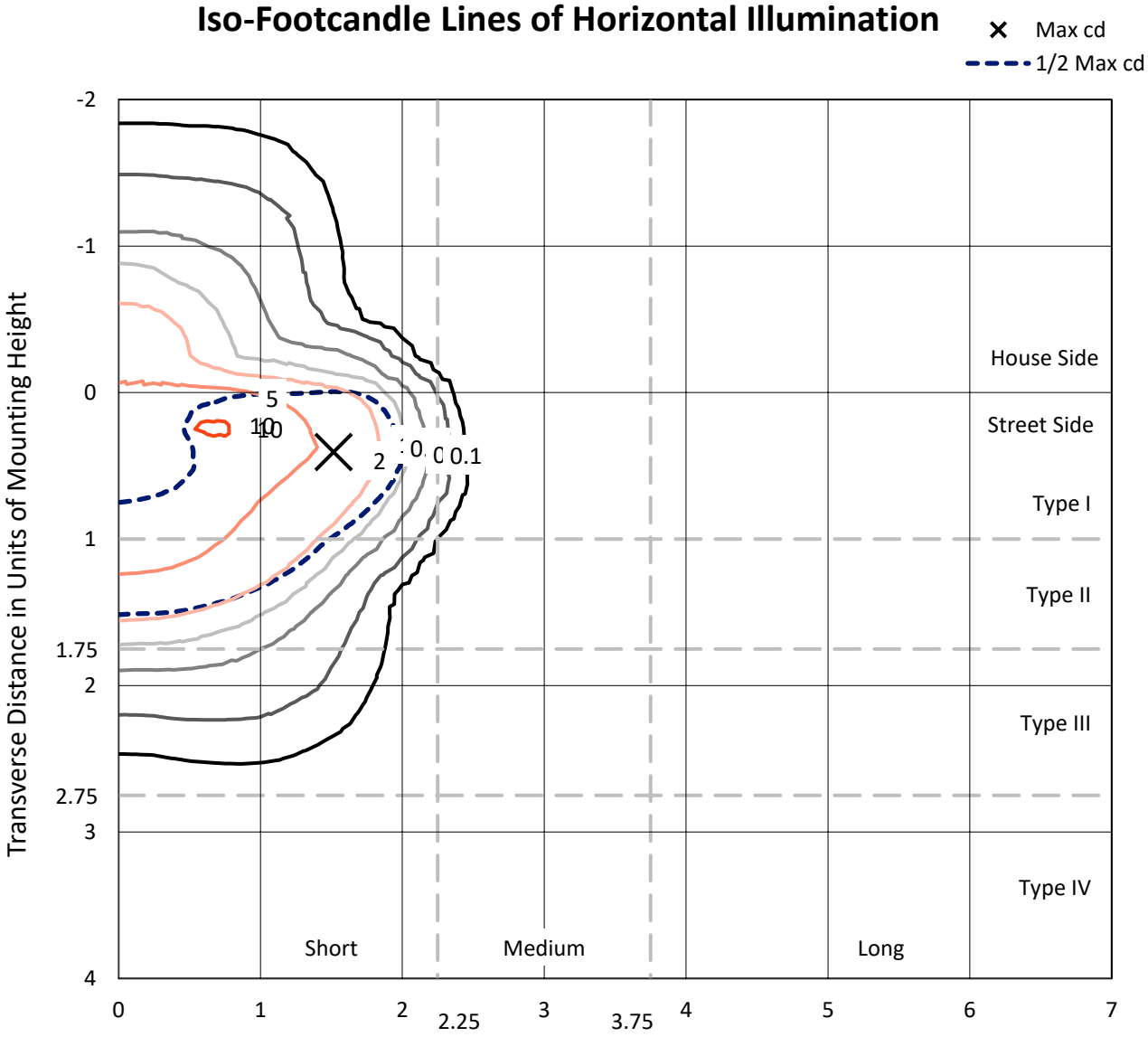
REPORT NUMBER: P642448
CATALOG NUMBER: GWS-SA6C-830-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 10.4 fc
Type II - Short - N/A

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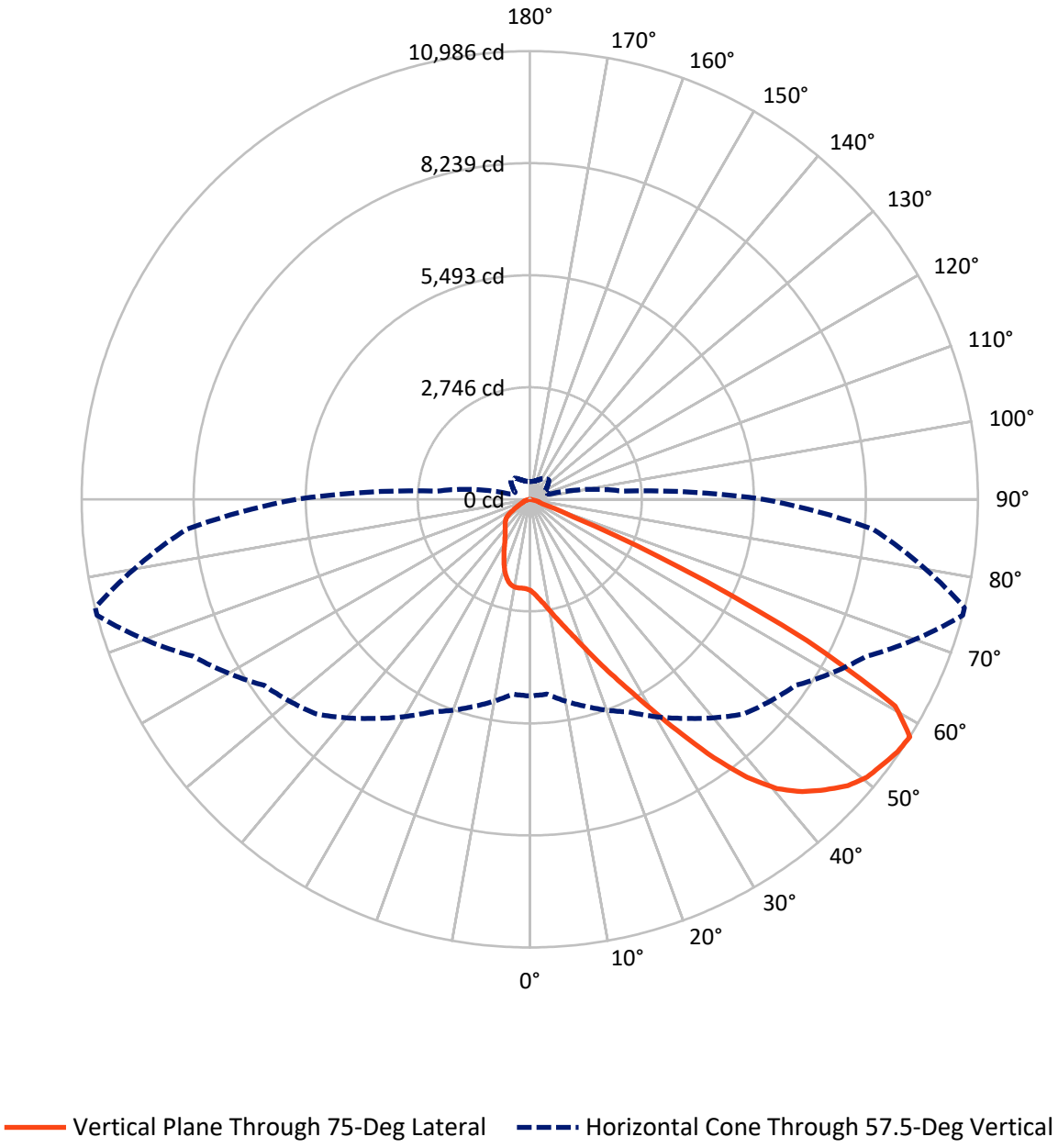
Luminous Intensity Polar Plot



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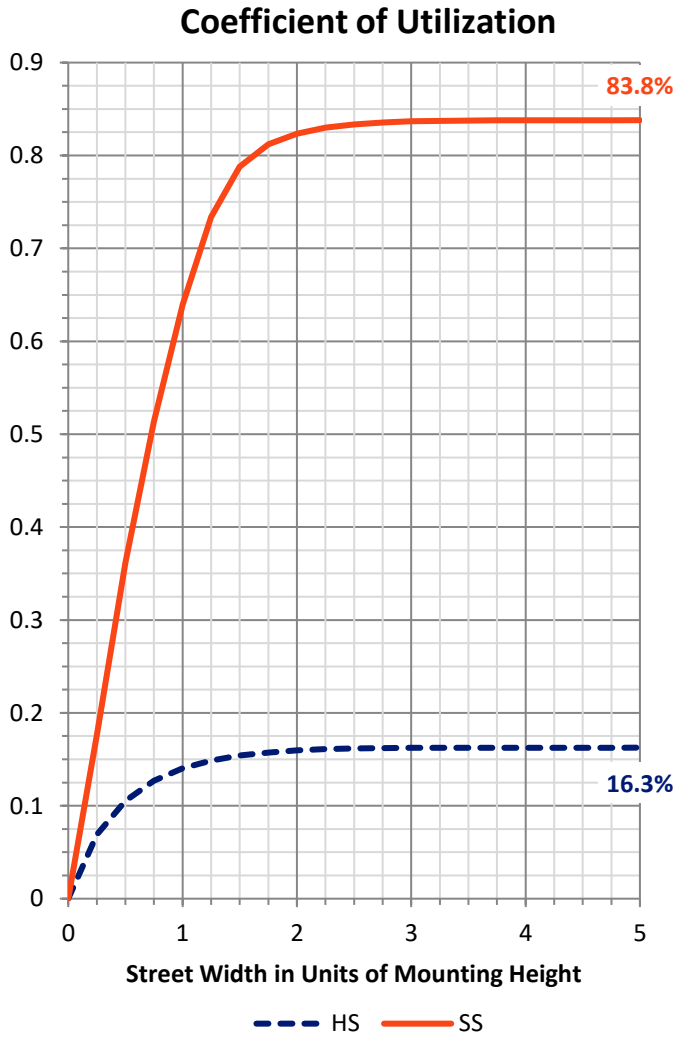
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2188.6	0.0	2188.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	11209.9	0.0	11209.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	13398.5	0.0	13398.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.4	1.7
10°-20°	738.7	5.5
20°-30°	1352.7	10.1
30°-40°	2244.3	16.8
40°-50°	3427.5	25.6
50°-60°	3851.4	28.7
60°-70°	1420.6	10.6
70°-80°	135.8	1.0
80°-90°	0.1	0.0
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°	13398.5	100.0
0°-180°	13398.5	100.0



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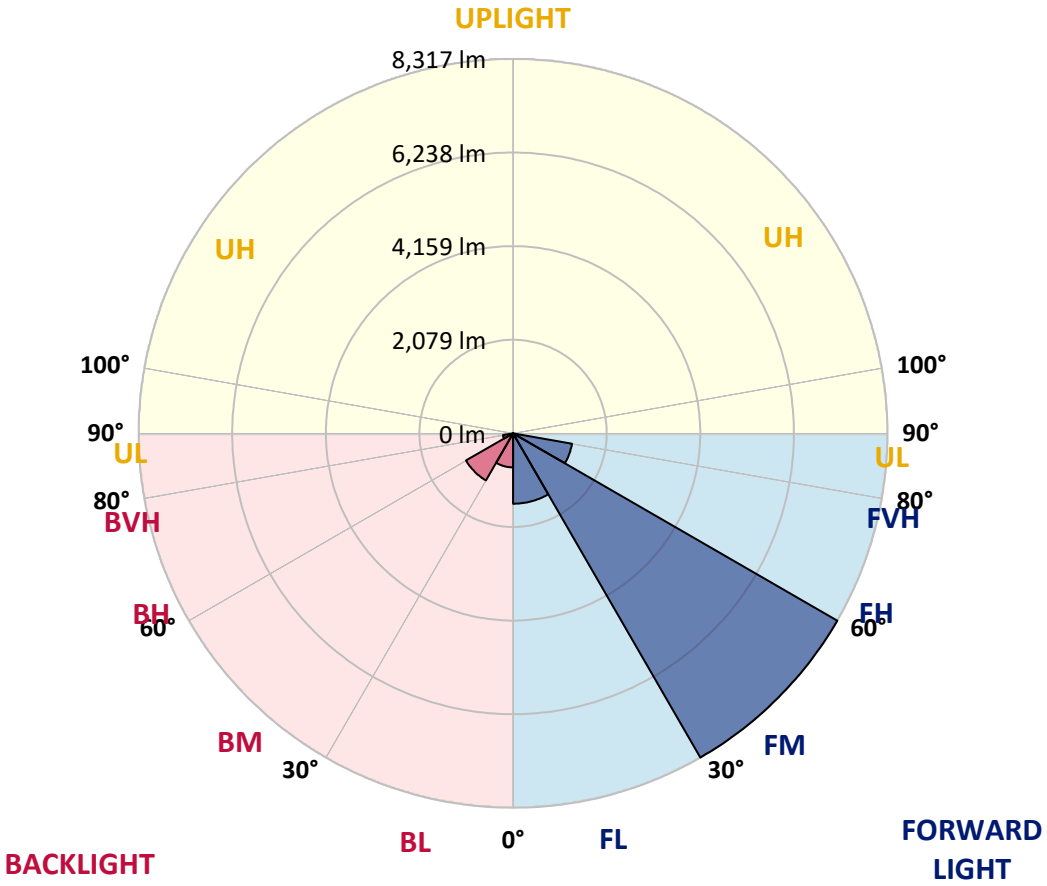
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1563.6	11.7			
FM	(30°-60°)	8317.2	62.1			
FH	(60°-80°)	1329.1	9.9			G1/1800
FVH	(80°-90°)	0.1	0.0			G0/10
BL	(0°-30°)	755.2	5.6	B2/1000		
BM	(30°-60°)	1206.1	9.0	B2/2500		
BH	(60°-80°)	227.3	1.7	B1/500		G1/500
BVH	(80°-90°)	0.0	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7
2.5°	2496.6	2522.5	2514.4	2498.3	2488.6	2454.6	2433.6	2372.1	2328.5	2323.6	2283.2
5°	2811.9	2807.1	2800.6	2781.2	2765.1	2711.7	2648.6	2545.1	2453.0	2441.7	2356.0
7.5°	2985.0	2988.2	2991.4	2988.2	2976.9	2936.5	2866.9	2745.7	2605.0	2595.3	2459.4
10°	3056.1	3062.6	3078.8	3109.5	3137.0	3133.7	3093.3	2968.8	2795.8	2779.6	2596.9
12.5°	3090.1	3098.2	3124.0	3182.2	3256.6	3314.8	3321.3	3209.7	3018.9	2993.1	2760.2
15°	3137.0	3145.0	3177.4	3253.4	3361.7	3476.5	3550.9	3479.8	3266.3	3238.8	2939.7
17.5°	3158.0	3169.3	3216.2	3316.5	3457.1	3633.4	3801.5	3795.1	3559.0	3538.0	3148.3
20°	3198.4	3206.5	3248.5	3356.9	3526.7	3780.5	4063.5	4165.4	3916.4	3885.6	3400.5
22.5°	3326.2	3329.4	3348.8	3416.7	3575.2	3887.2	4330.3	4597.1	4338.4	4298.0	3683.5
25°	3534.7	3533.1	3541.2	3552.5	3669.0	3995.6	4587.4	5083.8	4821.9	4778.2	4003.7
27.5°	3799.9	3799.9	3819.3	3787.0	3833.9	4129.8	4841.3	5643.3	5384.6	5323.1	4354.6
30°	4112.0	4110.4	4155.7	4103.9	4118.5	4341.6	5114.5	6252.9	6063.7	5987.7	4758.8
32.5°	4535.7	4526.0	4577.7	4506.6	4458.0	4661.8	5447.6	6890.0	6877.1	6760.6	5266.5
35°	5070.9	5054.7	5070.9	5001.4	4914.0	5109.7	5884.2	7525.5	7779.3	7656.5	5871.3
37.5°	5602.9	5654.6	5672.4	5552.8	5481.6	5677.3	6409.8	8094.7	8641.2	8513.5	6500.3
40°	6230.3	6214.1	6275.5	6141.3	6096.1	6312.7	6924.0	8518.3	9323.6	9202.3	7059.8
42.5°	6692.7	6721.8	6797.8	6723.5	6687.9	6891.6	7355.7	8765.7	9797.4	9677.7	7459.2
45°	7247.4	7268.4	7297.5	7236.0	7198.8	7399.4	7667.8	8874.1	10157.9	10028.6	7727.6
47.5°	7847.3	7863.4	7863.4	7737.3	7617.7	7700.1	7876.4	8935.5	10489.4	10364.9	7926.5
50°	8277.4	8285.5	8356.6	8267.7	8007.3	7879.6	7971.8	8995.3	10709.3	10592.9	7991.2
52.5°	7895.8	7886.1	8120.5	8304.9	8374.4	8120.5	8136.7	9082.6	10816.1	10715.8	8042.9
55°	6649.1	6632.9	6962.8	7410.7	8023.5	8348.5	8335.6	9134.4	10934.1	10872.7	8230.5
57.5°	4820.3	4792.8	5252.0	5750.0	6553.7	7434.9	7952.4	9105.3	10985.8	10981.0	8448.8
60°	2897.7	2875.0	3308.4	3832.3	4453.2	5339.3	6197.9	8156.1	10293.8	10303.5	7881.2
62.5°	1783.5	1804.6	2195.9	2462.7	2693.9	2960.7	3457.1	5486.5	7625.7	7688.8	5538.2
65°	1199.8	1216.0	1578.2	1914.5	1914.5	1565.2	1343.7	2622.8	4068.4	3961.6	2619.5
67.5°	805.3	823.0	1109.3	1502.2	1558.8	1091.5	544.9	782.6	1133.5	1099.6	648.4
70°	473.8	493.2	739.0	1030.0	1135.1	760.0	363.8	331.5	321.8	312.1	252.3
72.5°	211.8	219.9	376.8	523.9	478.6	320.2	257.1	265.2	250.6	245.8	205.4
75°	64.7	67.9	97.0	113.2	114.8	114.8	155.2	208.6	197.3	198.9	158.5
77.5°	16.2	16.2	25.9	24.3	12.9	11.3	29.1	46.9	48.5	43.7	32.3
80°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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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Scaled Data Report

REPORT NUMBER: P642448
CATALOG NUMBER: GWS-SA6C-830-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7	2234.7
2.5°	2265.4	2223.4	2195.9	2157.1	2129.6	2100.5	2074.6	2053.6	2042.3	2039.0	2040.6
5°	2317.1	2250.9	2186.2	2111.8	2060.0	2011.5	1972.7	1942.0	1927.5	1922.6	1922.6
7.5°	2396.4	2304.2	2189.4	2073.0	1985.7	1909.7	1864.4	1830.4	1817.5	1814.3	1804.6
10°	2499.9	2373.7	2184.6	2003.5	1880.6	1801.3	1769.0	1759.3	1764.1	1765.8	1764.1
12.5°	2624.4	2446.5	2153.8	1901.6	1769.0	1720.5	1723.7	1749.6	1778.7	1793.2	1796.5
15°	2757.0	2512.8	2084.3	1780.3	1673.6	1672.0	1718.9	1778.7	1835.3	1859.5	1866.0
17.5°	2905.7	2566.2	1977.6	1650.9	1591.1	1638.0	1722.1	1814.3	1890.3	1930.7	1938.8
20°	3069.1	2609.8	1841.8	1529.7	1518.4	1602.4	1718.9	1832.1	1925.8	1971.1	1979.2
22.5°	3238.8	2640.5	1684.9	1418.1	1452.1	1562.0	1688.1	1798.1	1887.0	1938.8	1945.2
25°	3432.9	2643.8	1524.8	1324.3	1390.6	1507.0	1613.8	1704.3	1778.7	1824.0	1828.8
27.5°	3602.7	2605.0	1382.5	1248.3	1334.0	1439.1	1510.3	1560.4	1612.1	1638.0	1639.6
30°	3798.3	2537.1	1248.3	1186.9	1275.8	1355.0	1390.6	1401.9	1406.8	1411.6	1405.2
32.5°	4031.2	2454.6	1148.1	1127.0	1209.5	1262.9	1272.6	1249.9	1222.4	1183.6	1173.9
35°	4317.4	2380.2	1065.6	1068.8	1136.7	1169.1	1161.0	1112.5	1059.1	1012.2	1004.2
37.5°	4627.8	2317.1	1002.5	1012.2	1057.5	1080.2	1055.9	1002.5	978.3	937.9	939.5
40°	4902.7	2265.4	945.9	955.6	976.7	997.7	958.9	923.3	968.6	965.3	968.6
42.5°	5098.4	2221.7	897.4	892.6	907.1	921.7	892.6	874.8	950.8	929.8	941.1
45°	5213.2	2181.3	857.0	827.9	850.5	876.4	857.0	834.4	860.2	763.2	755.1
47.5°	5290.8	2158.7	821.4	764.8	805.3	850.5	810.1	755.1	717.9	633.9	627.4
50°	5298.9	2147.4	779.4	700.2	751.9	800.4	753.5	677.5	624.2	587.0	582.1
52.5°	5340.9	2170.0	721.2	617.7	674.3	751.9	719.6	643.6	570.8	538.5	532.0
55°	5528.5	2265.4	624.2	504.5	587.0	714.7	692.1	574.0	504.5	485.1	480.2
57.5°	*5722.5*	*2284.8*	*491.6*	*399.4*	*511.0*	*661.3*	*632.2*	*528.8*	*460.8*	*438.2*	*433.4*
60°	5232.6	1882.2	368.7	329.9	451.1	611.2	585.4	501.3	422.0	394.5	389.7
62.5°	3437.7	1017.1	292.7	279.7	380.0	517.4	533.6	452.8	376.8	347.7	346.0
65°	1584.7	472.2	224.8	221.5	297.5	412.3	459.2	396.2	318.5	292.7	292.7
67.5°	431.7	234.5	176.3	163.3	202.1	276.5	334.7	295.9	226.4	195.7	194.0
70°	215.1	189.2	158.5	140.7	145.5	171.4	197.3	164.9	114.8	93.8	92.2
72.5°	176.3	155.2	134.2	119.7	110.0	105.1	101.9	82.5	53.4	40.4	38.8
75°	131.0	111.6	95.4	77.6	66.3	61.4	55.0	40.4	22.6	12.9	11.3
77.5°	29.1	27.5	25.9	19.4	17.8	14.6	11.3	8.1	3.2	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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

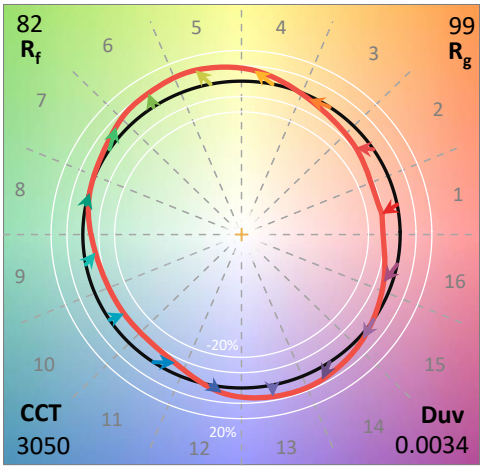
Test Information

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

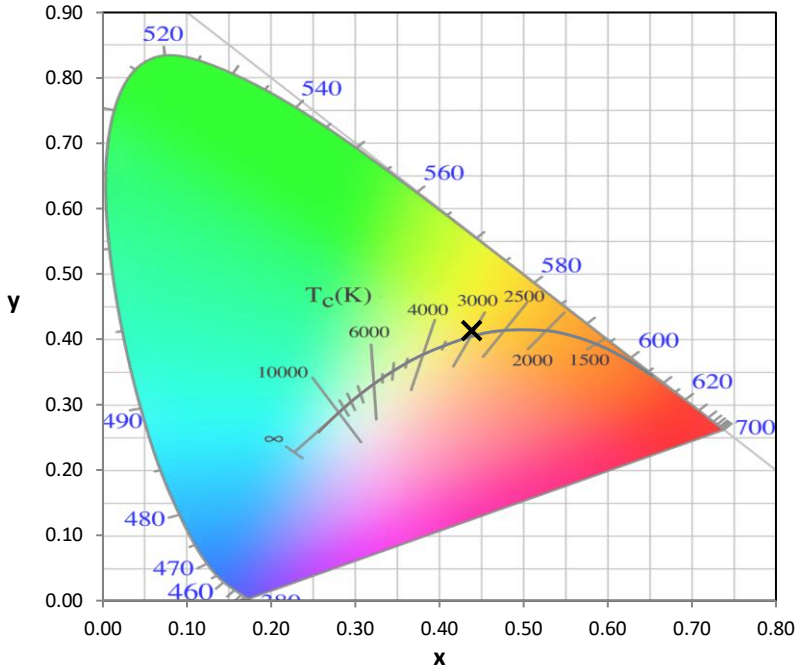
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

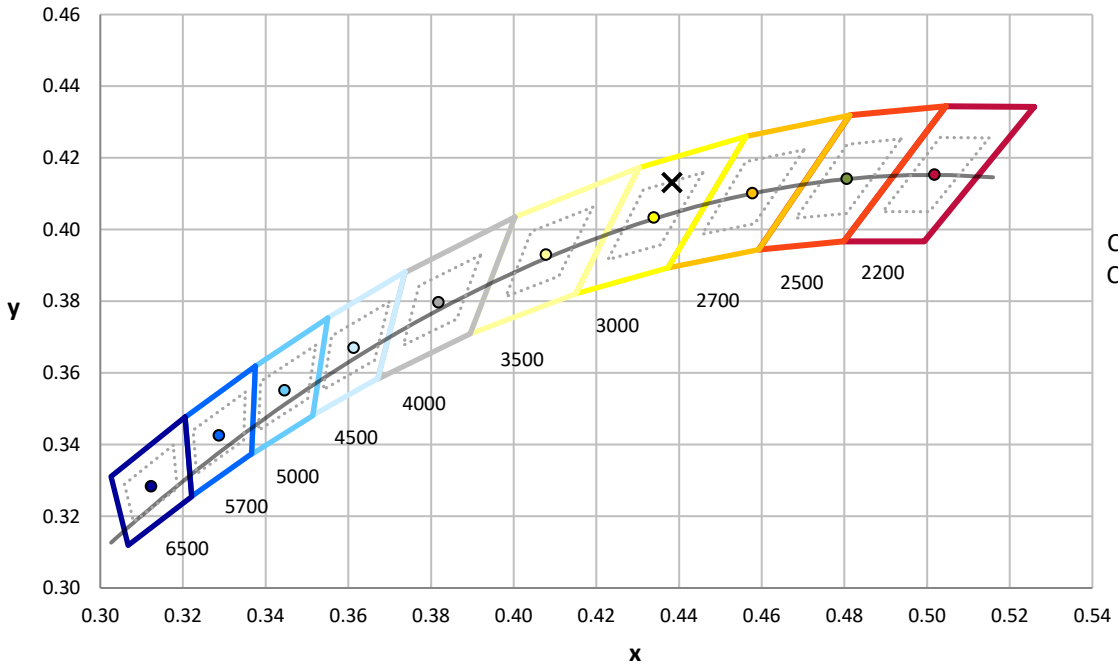
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

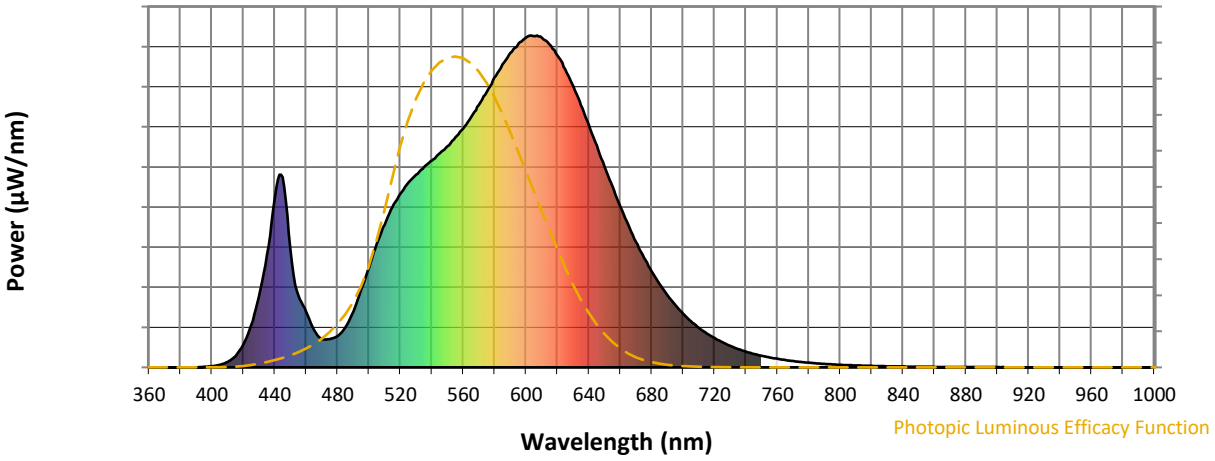


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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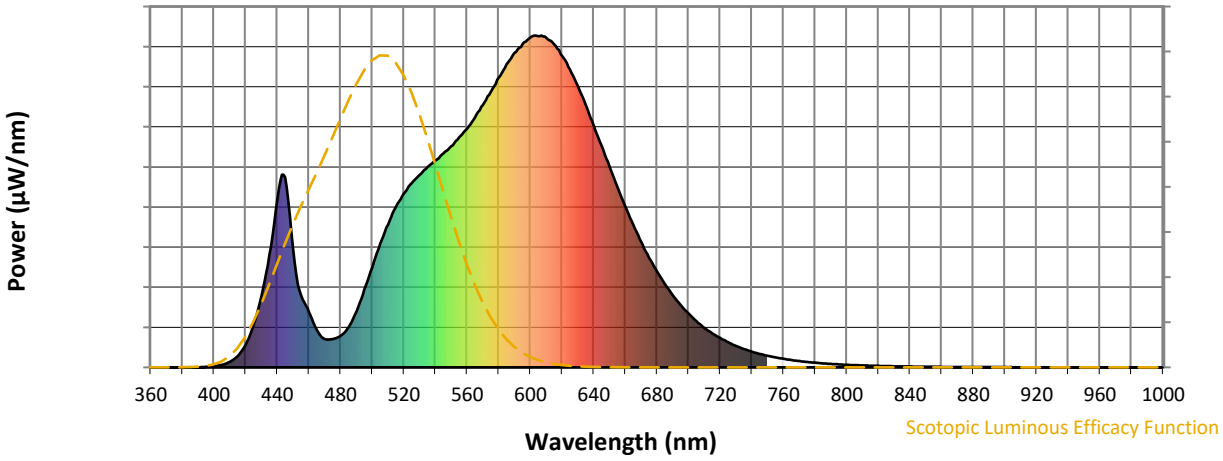
Scotopic Flux vs. Wavelength



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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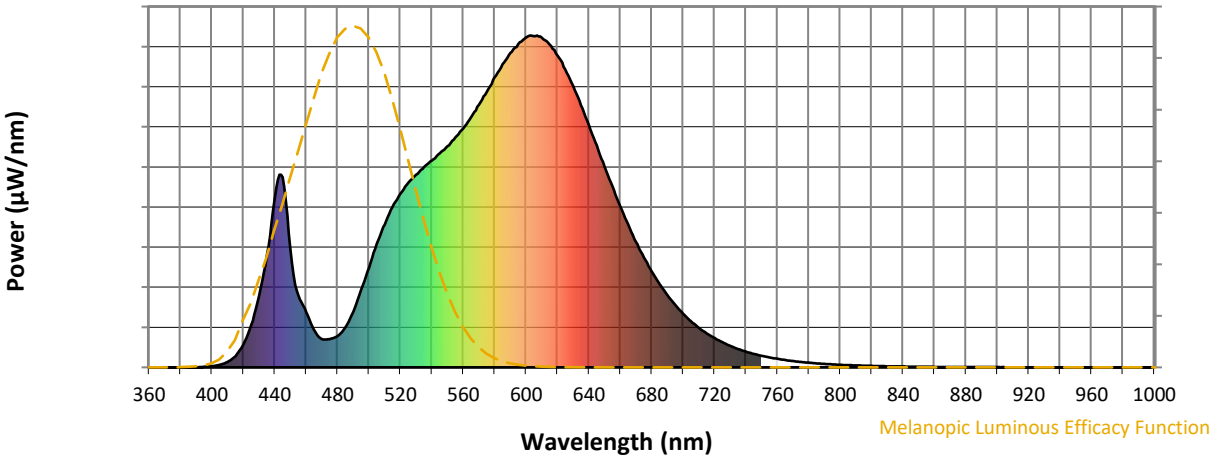
Melanopic Flux vs. Wavelength



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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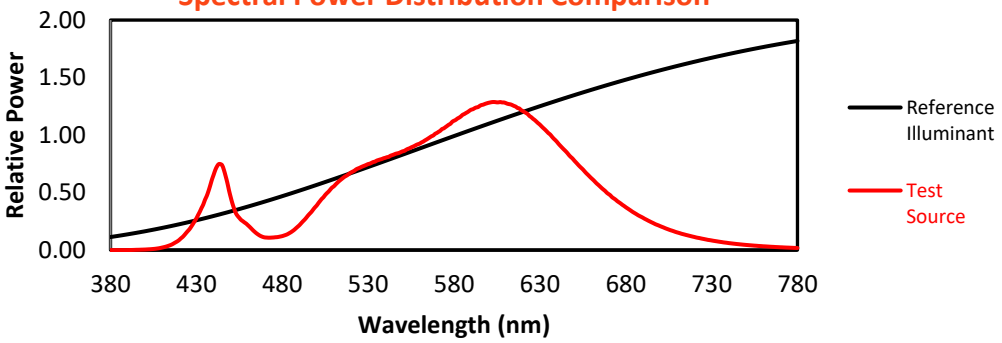
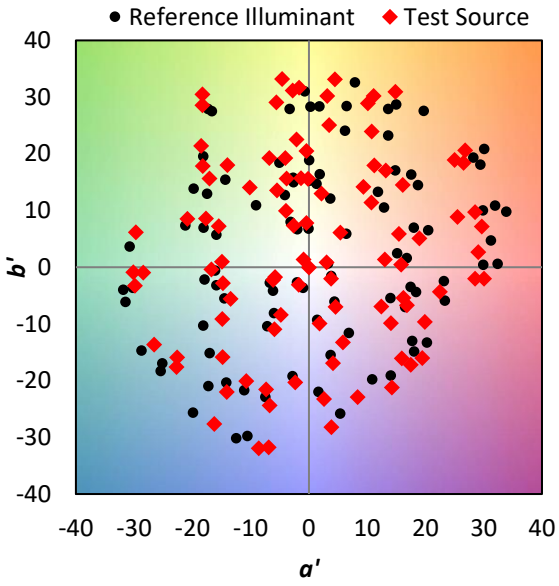
Summary

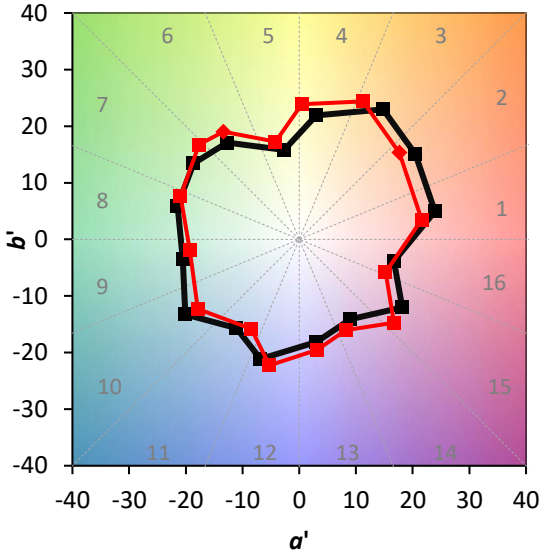
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

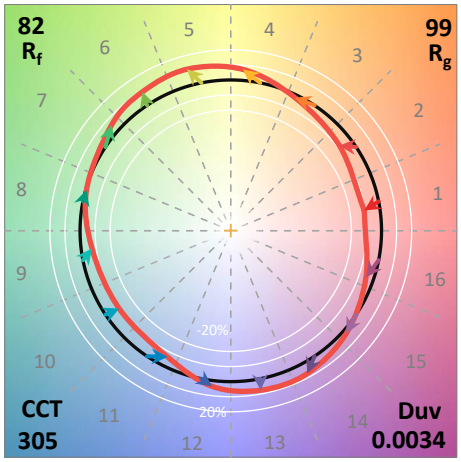
Spectral Power Distribution Comparison

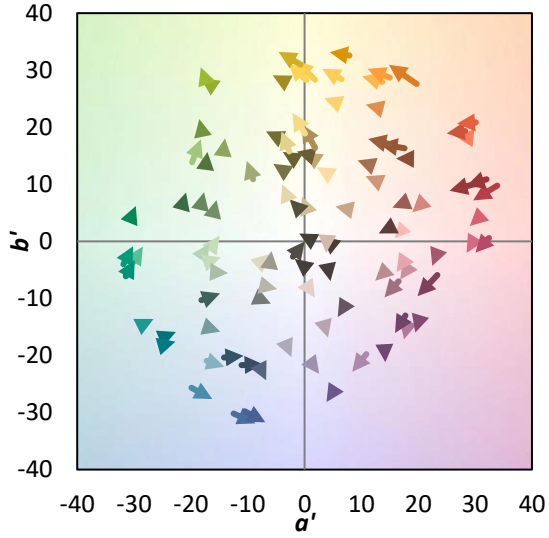


Color Vector Graphics









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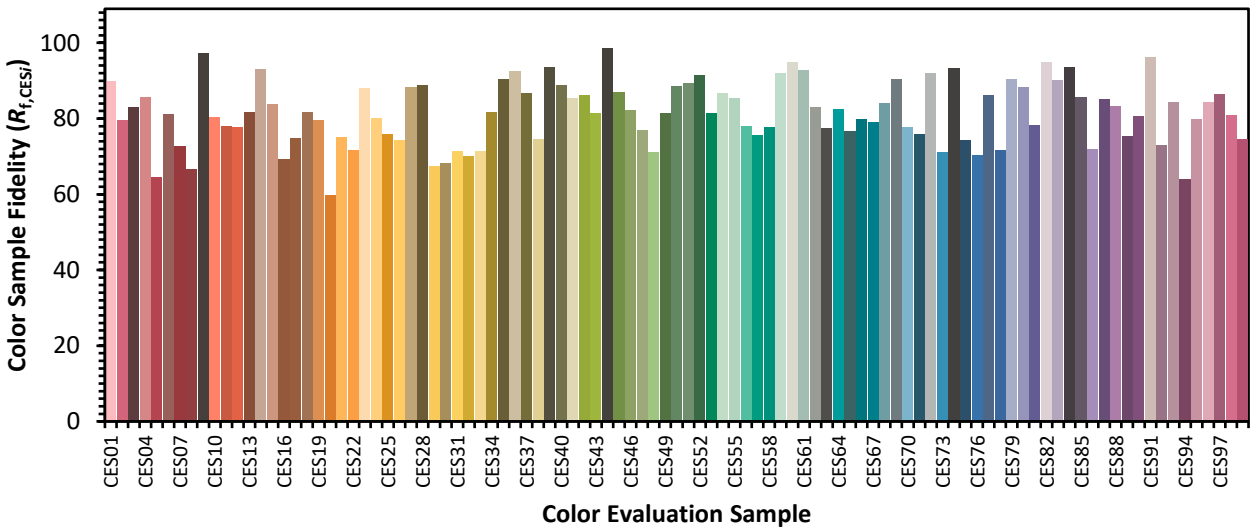
Individual Sample Fidelity Index ($R_{f,i}$)

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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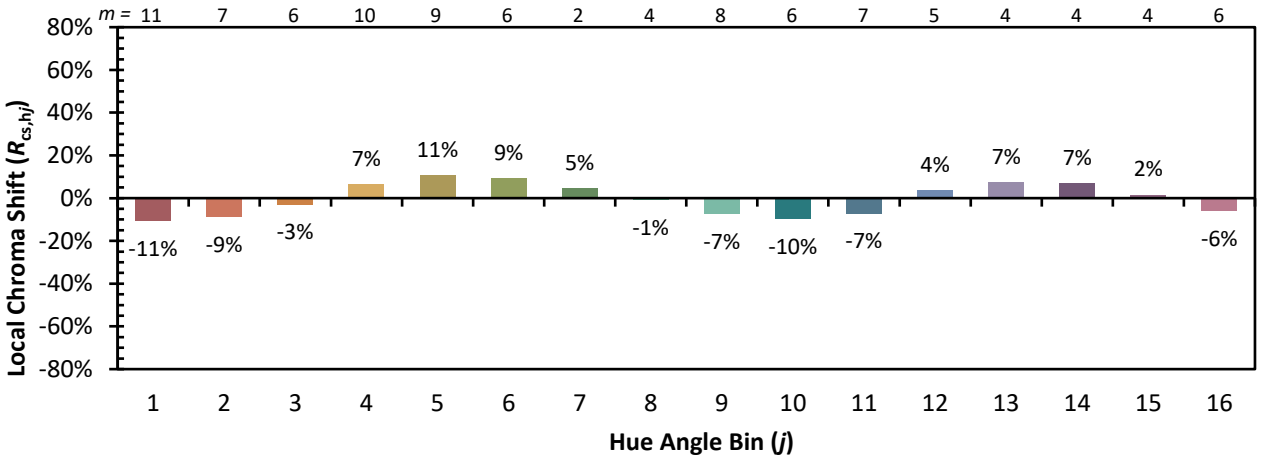
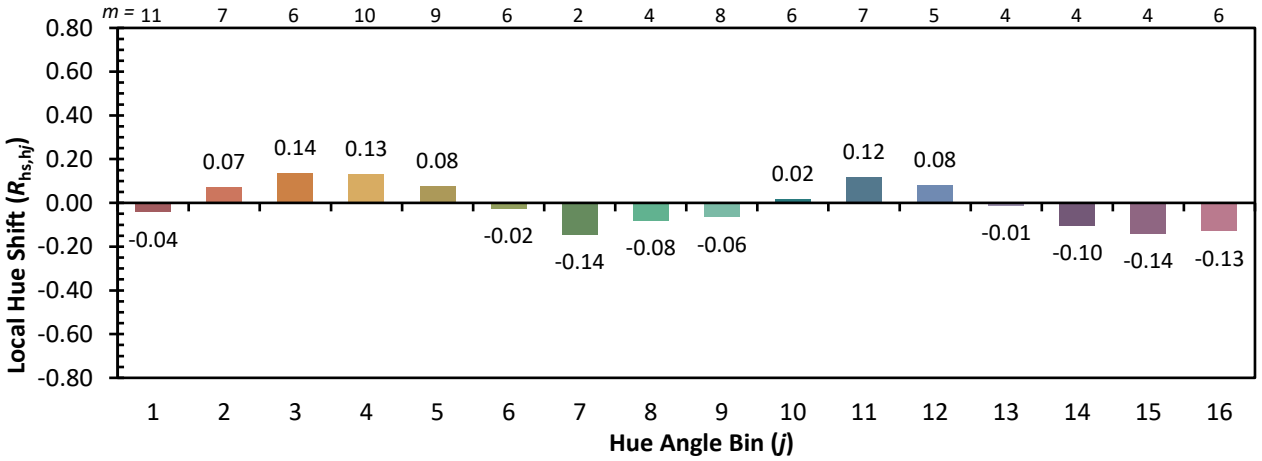
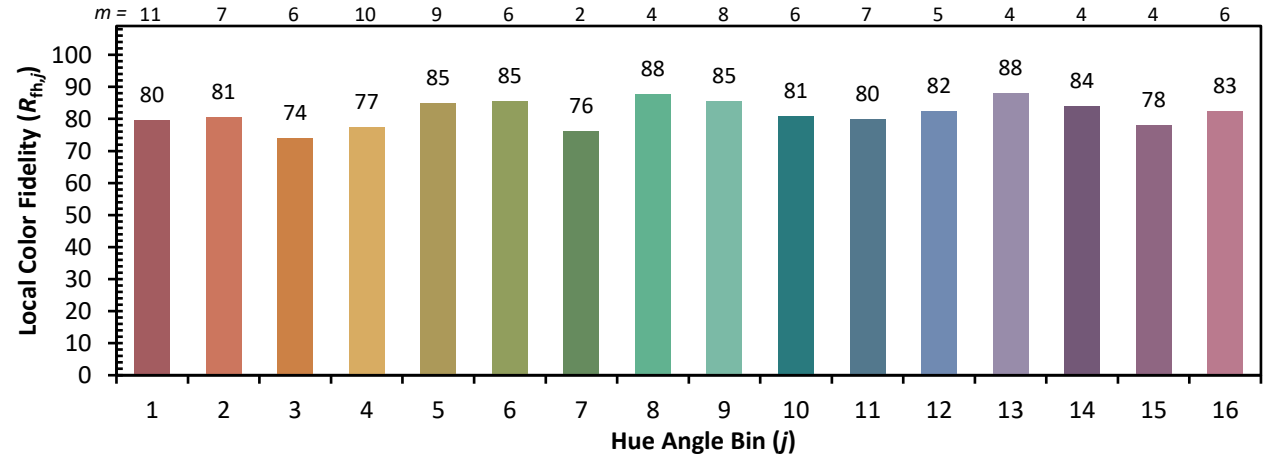
Color Rendition by Hue-Angle Bin







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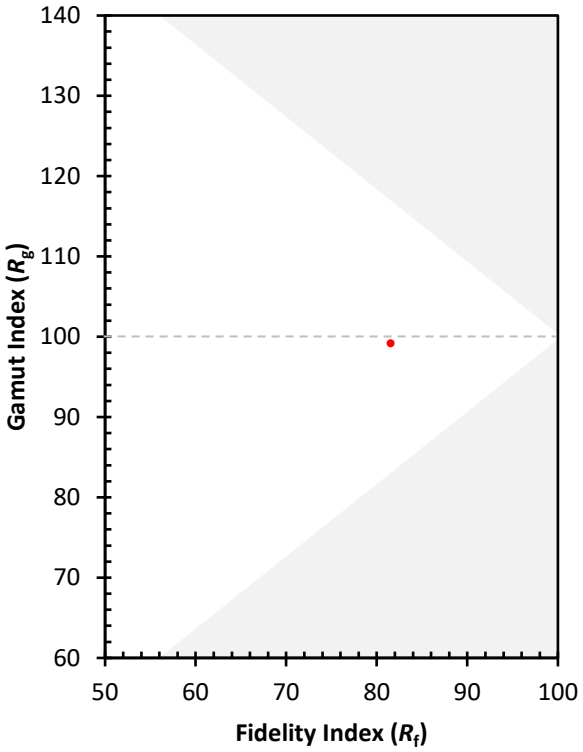
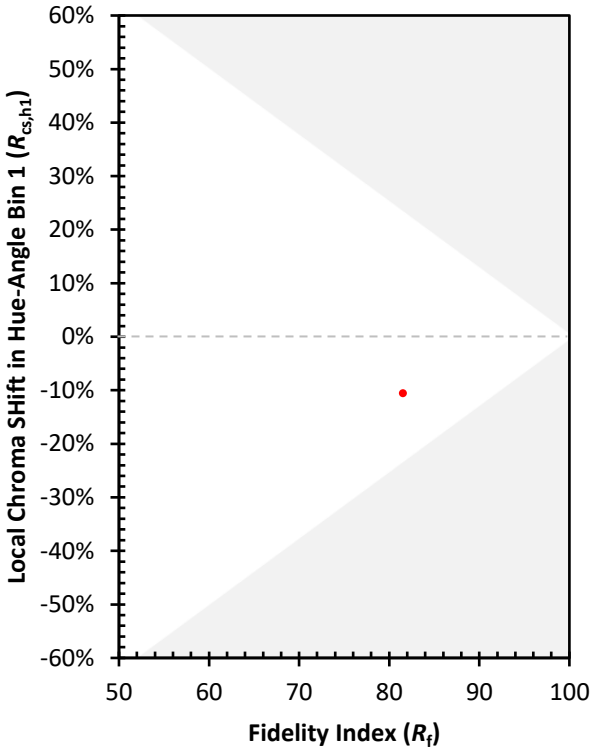
Measure Comparisons





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