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: P643444

Luminaire Tested: GWS-SA6E-830-U-T2R-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:	P643444
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-T2R-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28678.8 lumens
Efficiency:	N/A
Efficacy:	88.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G3

Input Watts (W):	323.8
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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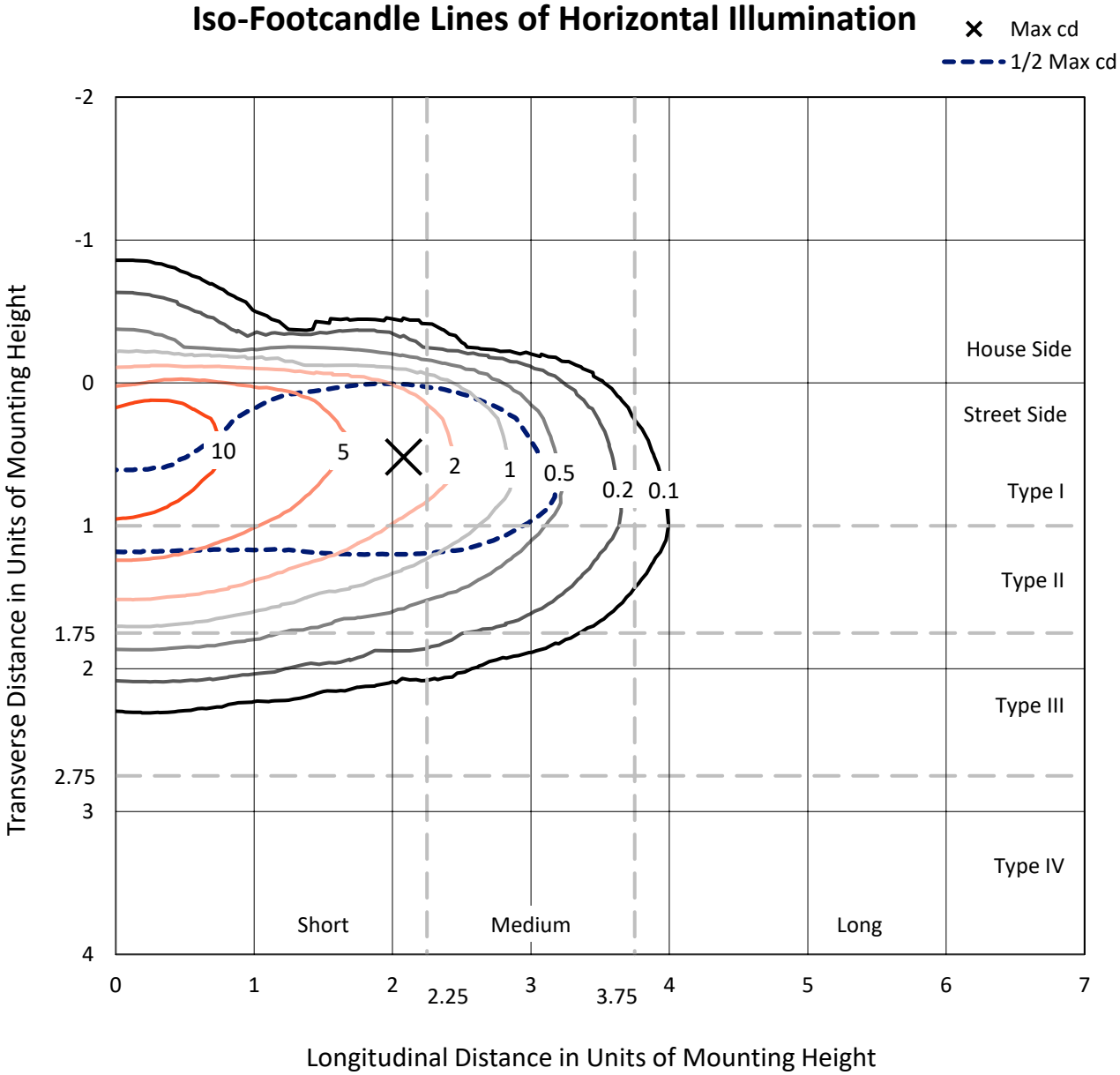
REPORT NUMBER: P643444
CATALOG NUMBER: GWS-SA6E-830-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
Type II - Short - N/A

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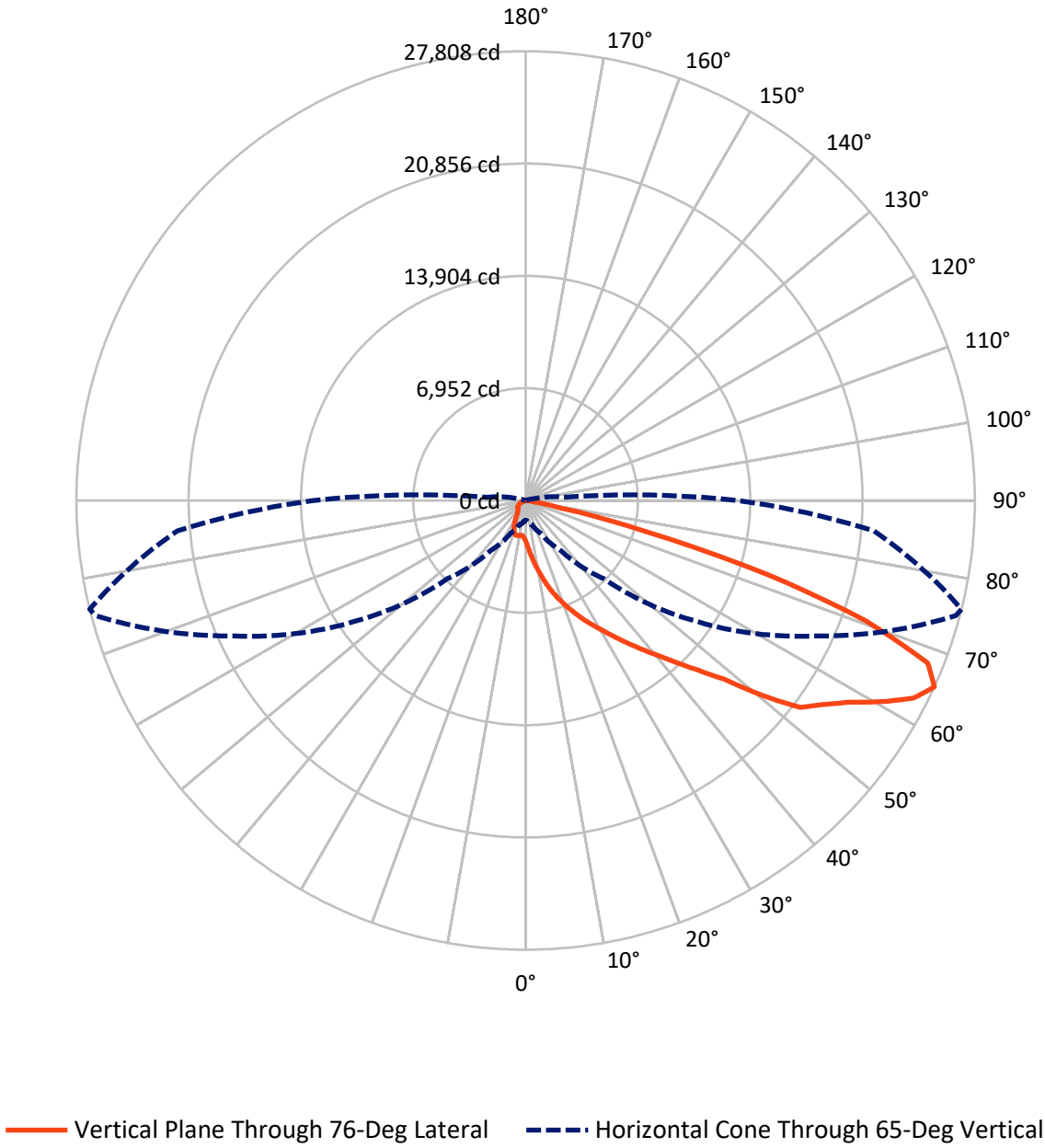
Luminous Intensity Polar Plot



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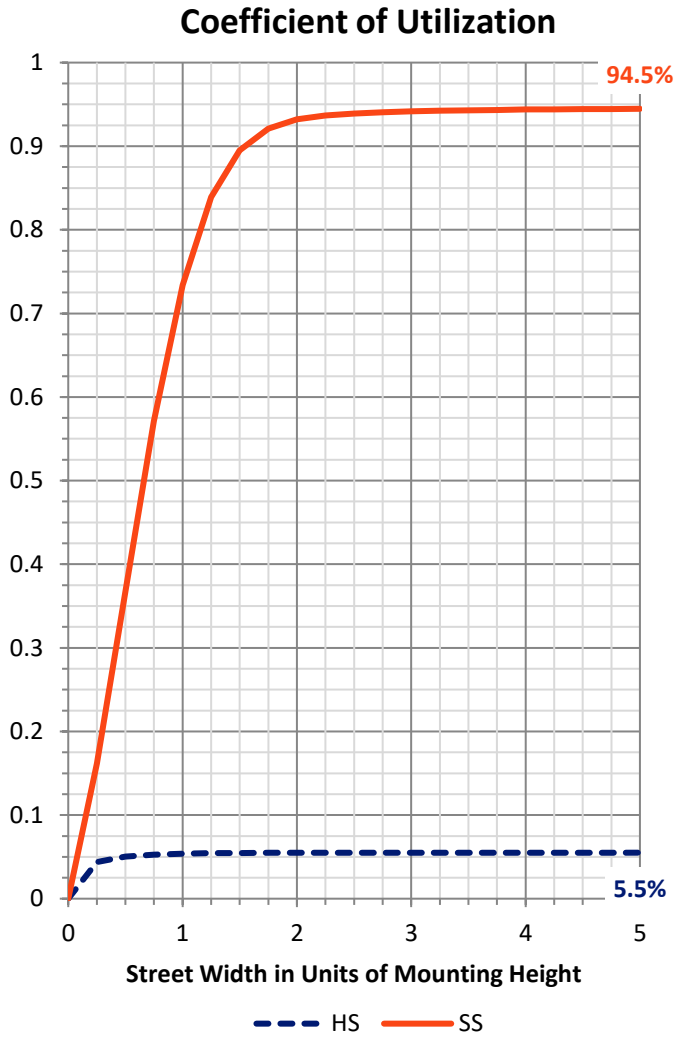
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1585.7	0.0	1585.7
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	27093.0	0.0	27093.0
	% Fixture	94.5	0.0	94.5
Total	Lumens	28678.8	0.0	28678.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.9	1.1
10°-20°	1172.1	4.1
20°-30°	2391.3	8.3
30°-40°	4252.9	14.8
40°-50°	6286.9	21.9
50°-60°	7198.0	25.1
60°-70°	5491.7	19.1
70°-80°	1538.3	5.4
80°-90°	38.7	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°	28678.8	100.0
0°-180°	28678.8	100.0



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REPORT NUMBER: P643444
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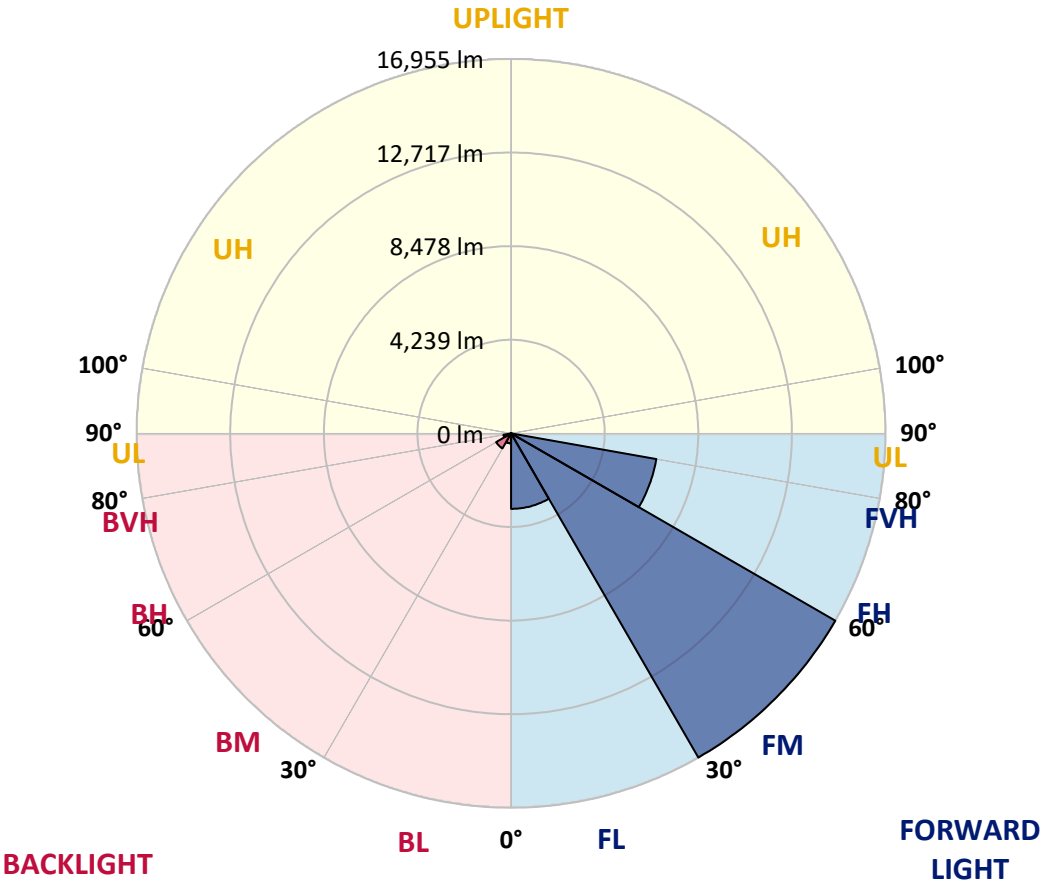
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3419.7	11.9			
FM	(30°-60°)	16955.4	59.1			
FH	(60°-80°)	6681.5	23.3			G3/7500
FVH	(80°-90°)	36.5	0.1			G1/100
BL	(0°-30°)	452.5	1.6	B1/500		
BM	(30°-60°)	782.4	2.7	B1/1000		
BH	(60°-80°)	348.6	1.2	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G3
Type II Short



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REPORT NUMBER: P643444
CATALOG NUMBER: GWS-SA6E-830-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	*2539.1*	2539.1
2.5°	3913.2	3971.8	3925.9	3849.5	3701.6	3558.8	3375.3	3122.9	2921.5	*2896.0*	2707.4
5°	5284.7	5279.6	5180.2	5080.8	4925.3	4680.5	4310.9	3841.8	3390.6	*3352.4*	2929.2
7.5°	6100.5	6108.2	6052.1	5975.6	5822.6	5570.3	5185.3	4619.4	3959.1	*3882.6*	3232.5
10°	6786.3	6783.7	6742.9	6707.3	6569.6	6401.3	5988.3	5366.3	4570.9	*4451.1*	3571.6
12.5°	7301.2	7319.1	7339.5	7375.2	7316.5	7150.8	6760.8	6082.7	5190.4	*5057.8*	3959.1
15°	7709.1	7714.2	7790.7	7928.4	7976.8	7890.1	7535.8	6776.1	5802.2	*5687.5*	4405.2
17.5°	7831.5	7841.7	7971.7	8224.1	8479.0	8527.5	8259.8	7474.6	6403.9	*6281.5*	4838.6
20°	8089.0	8111.9	8208.8	8430.6	8751.8	9011.8	8907.3	8180.8	7005.5	*6844.9*	5282.2
22.5°	8899.7	8912.4	8879.3	8907.3	9073.0	9373.8	9437.6	8864.0	7622.5	*7451.7*	5761.5
25°	10294.1	10299.2	10067.3	9848.0	9723.1	9779.2	9919.4	9493.7	8234.3	*8066.0*	6207.6
27.5°	11742.2	11760.0	11482.1	11109.9	10663.8	10408.9	10368.1	10069.8	8851.2	*8665.1*	6648.6
30°	13106.0	13106.0	12812.9	12359.1	11762.5	11265.4	10972.3	10651.0	9511.5	*9307.6*	7099.8
32.5°	14332.3	14322.1	13947.3	13455.3	12866.4	12320.8	11703.9	11257.8	10245.7	*10018.8*	7619.9
35°	15344.3	15318.8	14893.1	14421.5	13791.8	13386.5	12698.1	11910.4	11041.1	*10814.2*	8155.3
37.5°	16109.1	16081.1	15691.0	15191.4	14607.6	14345.0	13768.9	12693.0	11879.8	*11673.3*	8749.3
40°	16524.7	16468.6	16198.4	15826.2	15336.7	15107.3	14867.6	13664.3	12866.4	*12608.9*	9450.3
42.5°	16647.0	16580.8	16402.3	16229.0	15933.2	15752.2	16009.7	14760.5	13949.9	*13728.1*	10250.8
45°	16285.0	16246.8	16231.5	16356.4	16410.0	16460.9	17095.7	15974.0	15145.5	*14977.2*	11257.8
47.5°	15413.2	15403.0	15538.1	16058.1	16624.1	17162.0	18276.1	17470.5	16695.5	*16514.5*	12665.0
50°	13802.0	13906.5	14283.8	15196.5	16328.4	17559.7	19379.9	19545.6	19204.0	*18938.9*	14500.5
52.5°	11283.3	11484.7	12331.0	13717.9	15344.3	17447.5	19889.8	21207.8	21557.0	*21281.7*	15816.0
55°	8853.8	9042.4	9797.0	11556.1	13725.5	16593.5	19912.7	21781.4	22543.6	*22288.7*	16705.7
57.5°	6595.1	6768.4	7454.2	9136.8	11522.9	14913.5	19367.2	22100.0	23713.7	*23550.6*	18110.3
60°	4310.9	4481.7	5101.2	6572.1	8937.9	12466.2	18023.7	22033.7	25307.1	*25291.8*	19836.2
62.5°	2391.3	2526.4	2975.1	4122.2	6238.2	9654.3	15912.8	21368.4	26849.4	*26946.3*	21258.8
65°	*1223.7*	*1310.3*	*1583.1*	*2266.3*	*3775.5*	*6844.9*	*13136.6*	*19843.9*	*27563.2*	*27808.0*	*21633.5*
67.5°	800.5	828.5	894.8	1177.8	2021.6	4305.8	9886.3	17399.1	26558.8	*26844.3*	20376.7
70°	650.1	673.0	711.3	785.2	1042.7	2286.7	6493.1	13896.3	22191.8	*22385.6*	16226.4
72.5°	476.7	507.3	581.2	629.7	752.0	1254.3	3377.8	9121.5	15239.8	*15581.4*	10197.3
75°	351.8	369.7	430.8	497.1	614.4	792.8	1292.5	4795.3	7869.7	*7670.9*	4282.9
77.5°	211.6	224.3	275.3	318.7	438.5	494.6	451.2	1771.8	2393.8	*2251.0*	1035.0
80°	104.5	117.3	181.0	239.6	280.4	198.8	188.6	494.6	532.8	*532.8*	260.0
82.5°	35.7	45.9	96.9	158.1	137.7	76.5	89.2	127.5	142.8	*150.4*	76.5
85°	0.0	0.0	22.9	45.9	20.4	10.2	22.9	28.0	35.7	*38.2*	25.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	7.6	*10.2*	10.2
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

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CATALOG NUMBER: GWS-SA6E-830-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1	2539.1
2.5°	2605.4	2485.6	2304.6	2141.4	2016.5	1899.2	1810.0	1738.6	1725.9	1685.1	1690.2
5°	2722.7	2506.0	2172.0	1914.5	1733.5	1611.2	1509.2	1432.7	1399.6	1366.4	1340.9
7.5°	2903.7	2590.1	2121.0	1807.5	1595.9	1407.2	1249.2	1121.7	1060.5	1022.3	996.8
10°	3125.5	2707.4	2123.6	1743.7	1430.2	1142.1	925.4	785.2	718.9	698.5	696.0
12.5°	3390.6	2855.2	2144.0	1639.2	1190.5	848.9	685.8	622.0	601.6	583.8	583.8
15°	3671.0	3020.9	2144.0	1448.0	907.6	662.8	594.0	553.2	527.7	517.5	512.4
17.5°	3966.7	3176.4	2093.0	1185.4	696.0	583.8	527.7	489.5	469.1	453.8	448.7
20°	4282.9	3324.3	1965.5	907.6	596.5	522.6	469.1	430.8	410.4	395.1	395.1
22.5°	4604.1	3462.0	1759.0	698.5	527.7	464.0	413.0	377.3	356.9	341.6	341.6
25°	4902.3	3553.7	1493.9	576.1	476.7	413.0	367.1	331.4	308.5	298.3	293.2
27.5°	5180.2	3612.4	1200.7	507.3	428.3	369.7	321.2	288.1	270.2	262.6	257.5
30°	5468.3	3627.7	917.8	461.4	387.5	326.3	280.4	254.9	239.6	229.4	229.4
32.5°	5748.7	3609.8	701.1	423.2	351.8	288.1	249.8	226.9	214.1	206.5	203.9
35°	6034.2	3528.3	568.5	390.0	316.1	252.4	221.8	203.9	196.3	186.1	186.1
37.5°	6345.3	3418.6	494.6	356.9	280.4	226.9	198.8	186.1	175.9	168.3	165.7
40°	6732.7	3291.2	453.8	328.9	247.3	203.9	178.5	165.7	158.1	150.4	147.9
42.5°	7191.6	3166.3	433.4	298.3	221.8	181.0	160.6	145.3	137.7	127.5	124.9
45°	7841.7	3138.2	410.4	265.1	198.8	163.2	140.2	124.9	114.7	107.1	104.5
47.5°	8886.9	3217.2	372.2	229.4	175.9	142.8	119.8	107.1	94.3	86.7	81.6
50°	9924.5	3196.8	334.0	198.8	155.5	122.4	102.0	89.2	76.5	68.8	66.3
52.5°	10490.4	3100.0	298.3	175.9	135.1	104.5	86.7	71.4	63.7	56.1	53.5
55°	11002.9	3061.7	262.6	153.0	114.7	91.8	71.4	58.6	53.5	45.9	43.3
57.5°	12007.3	3151.0	232.0	132.6	99.4	79.0	61.2	48.4	43.3	35.7	33.1
60°	13057.6	3161.2	198.8	114.7	86.7	66.3	48.4	38.2	33.1	25.5	22.9
62.5°	13605.7	2903.7	163.2	96.9	71.4	56.1	40.8	30.6	25.5	15.3	15.3
65°	*13146.8*	*2347.9*	*137.7*	*79.0*	*56.1*	*43.3*	*30.6*	*22.9*	*15.3*	*7.6*	*2.5*
67.5°	11635.1	1669.8	114.7	63.7	40.8	30.6	22.9	15.3	2.5	0.0	0.0
70°	8519.8	953.4	89.2	45.9	30.6	20.4	15.3	7.6	0.0	0.0	0.0
72.5°	5236.3	509.9	66.3	30.6	22.9	15.3	12.7	5.1	0.0	0.0	0.0
75°	1985.9	244.7	40.8	20.4	17.8	12.7	7.6	2.5	0.0	0.0	0.0
77.5°	537.9	119.8	22.9	15.3	12.7	7.6	5.1	0.0	0.0	0.0	0.0
80°	140.2	56.1	15.3	10.2	7.6	5.1	0.0	0.0	0.0	0.0	0.0
82.5°	48.4	25.5	7.6	7.6	5.1	2.5	0.0	0.0	0.0	0.0	0.0
85°	20.4	10.2	5.1	5.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	2.5	2.5	2.5	2.5	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

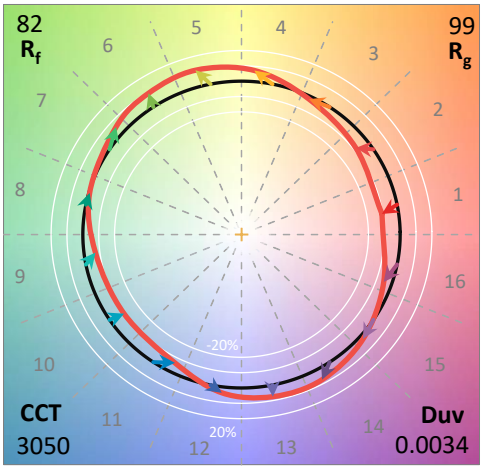
Test Information

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

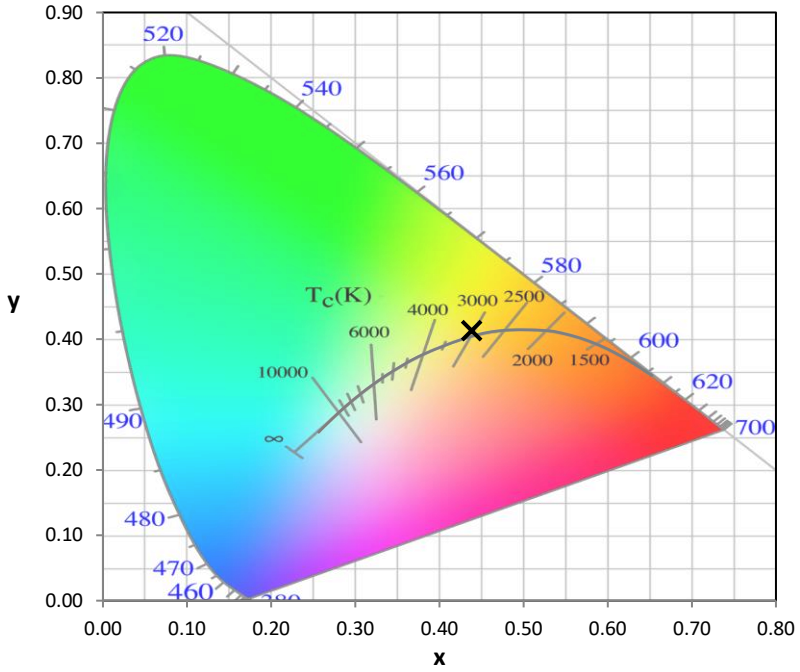
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

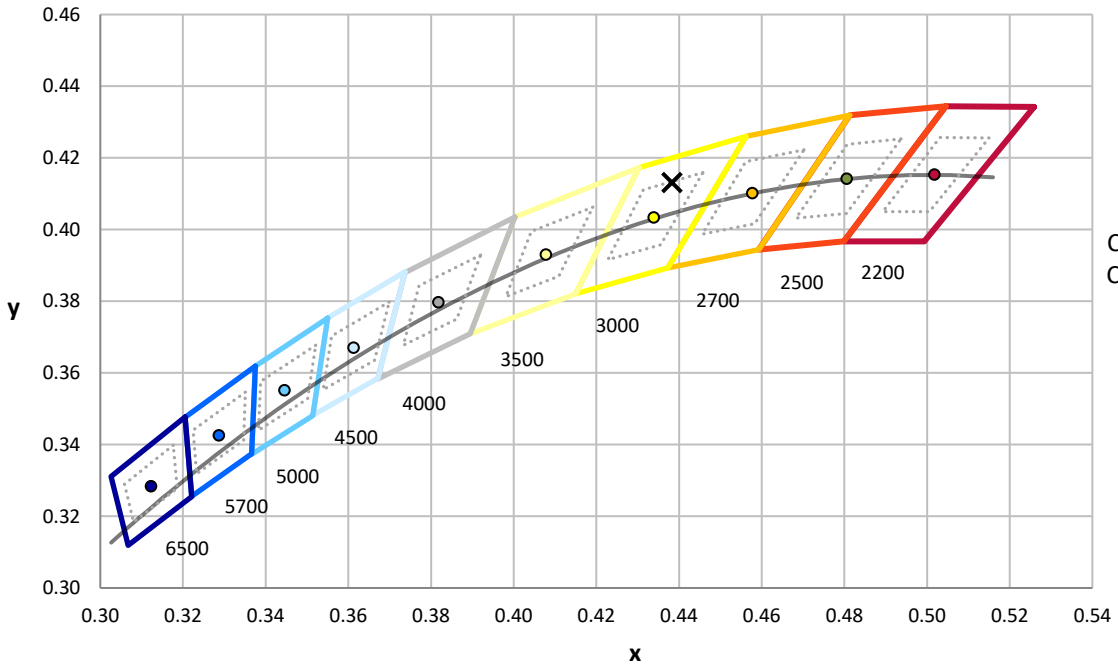
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

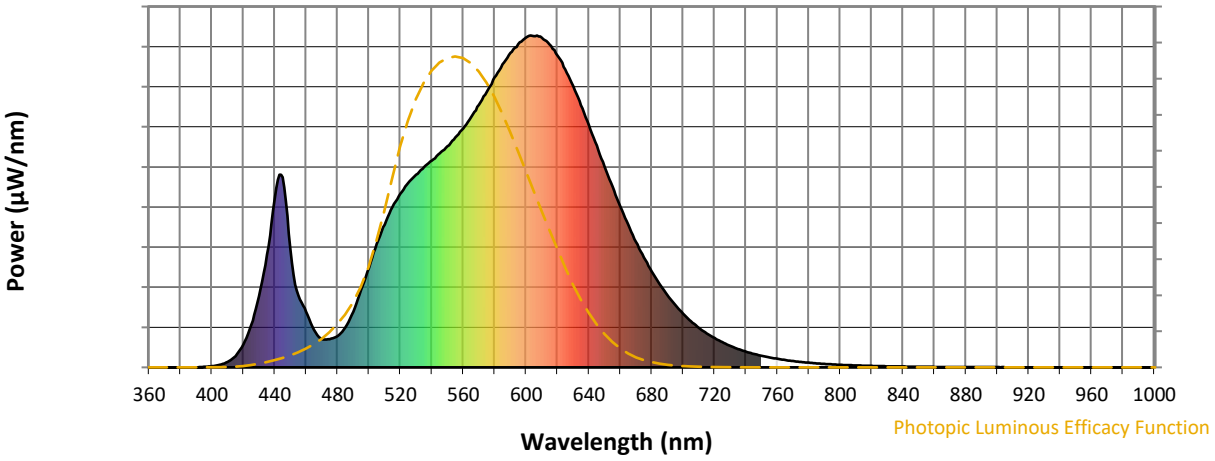


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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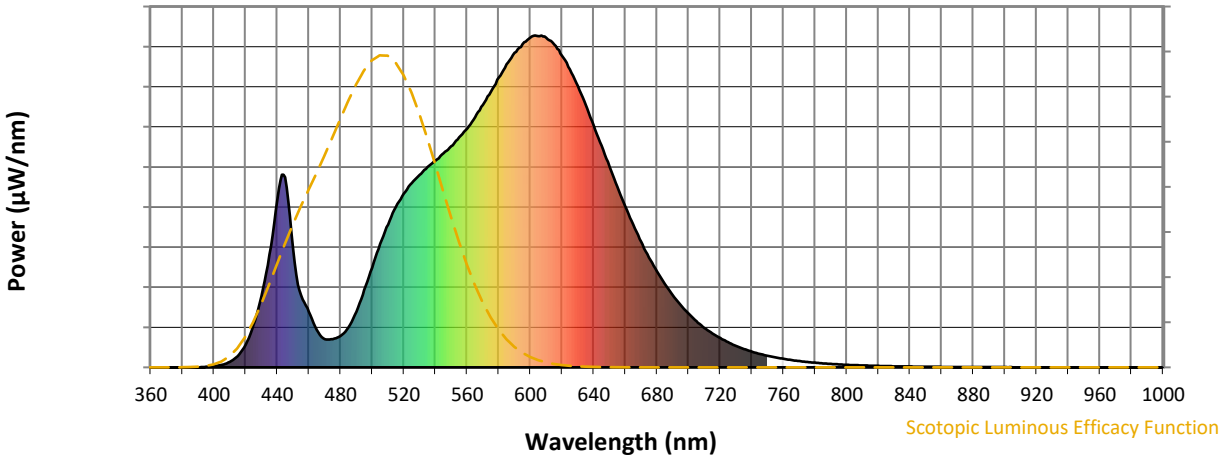
Scotopic Flux vs. Wavelength



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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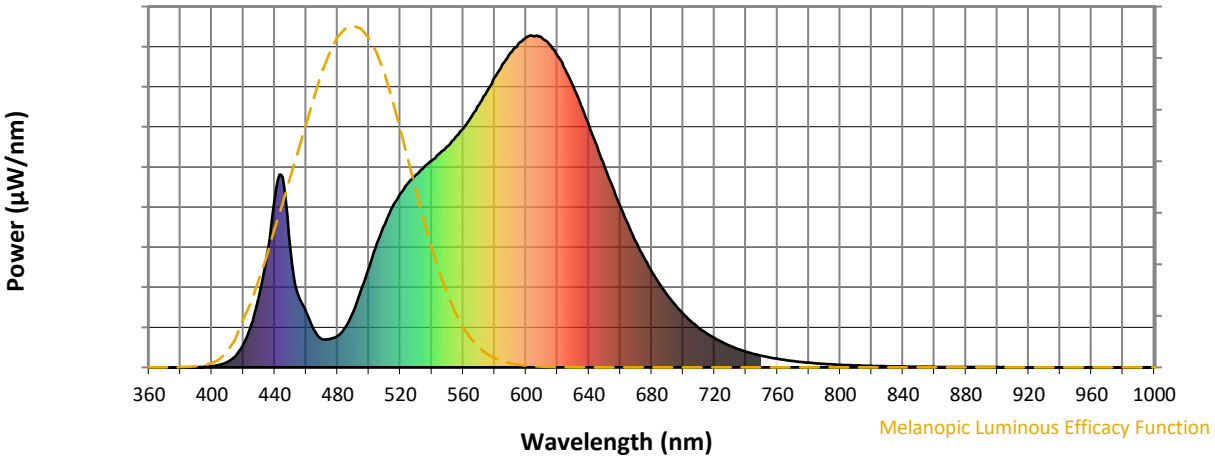
Melanopic Flux vs. Wavelength



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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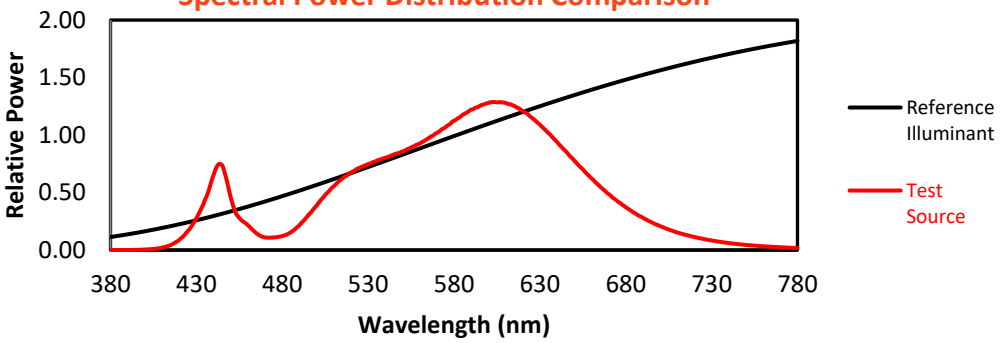
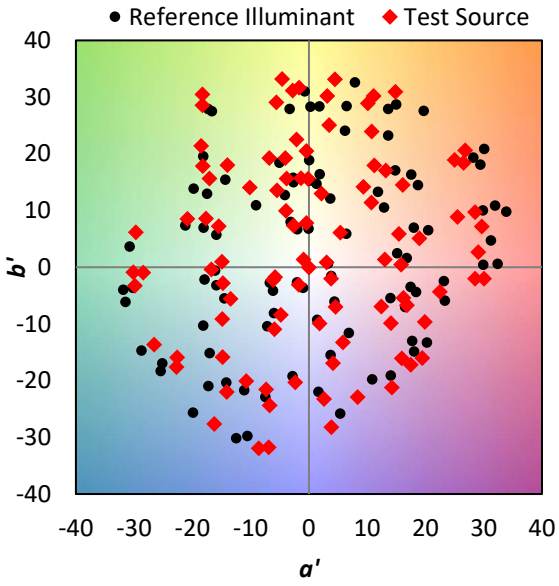
Summary

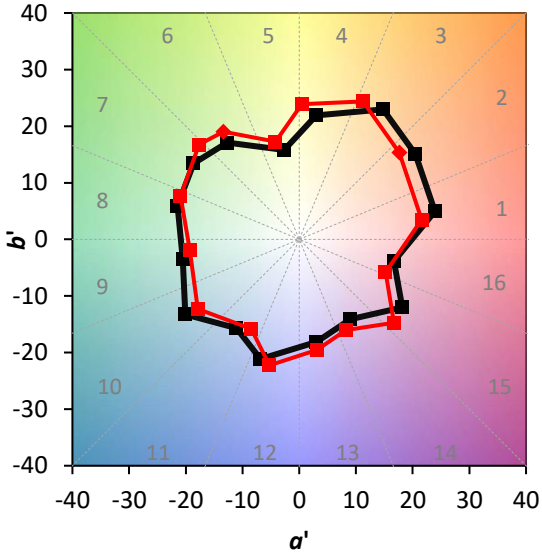
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

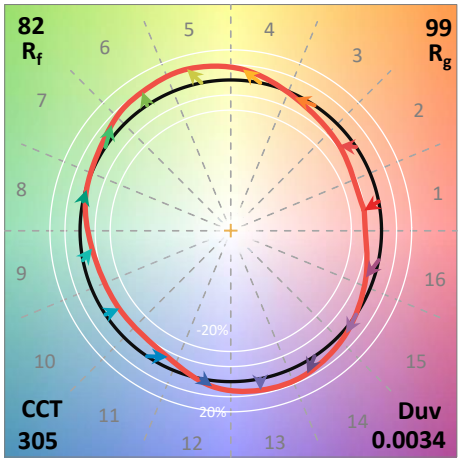
Spectral Power Distribution Comparison

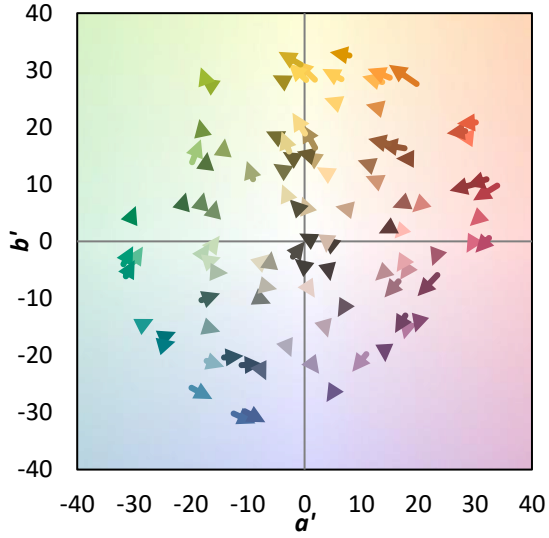


Color Vector Graphics









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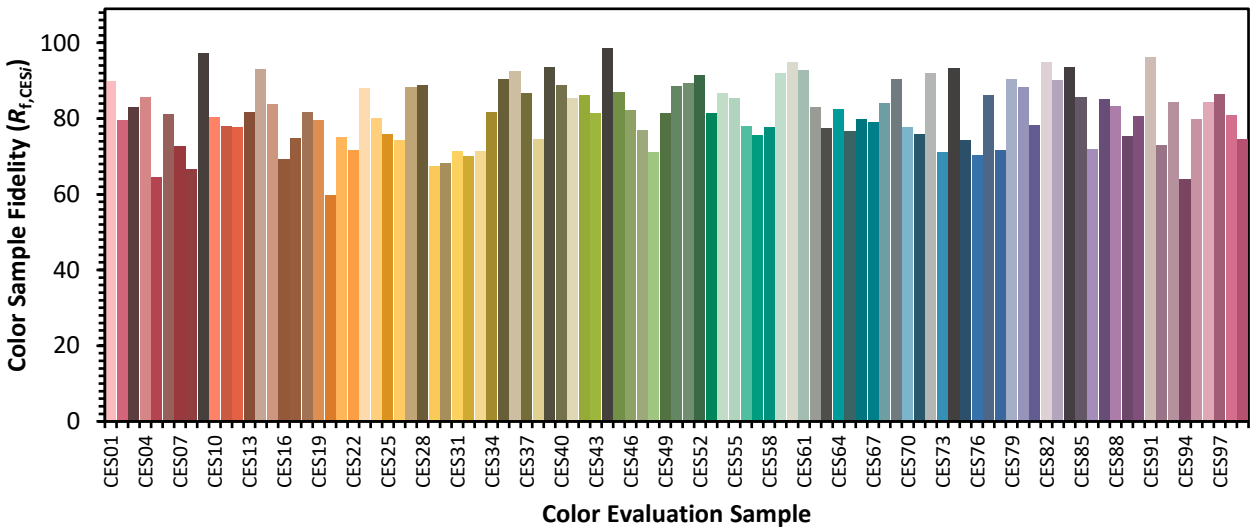
Individual Sample Fidelity Index ($R_{f,i}$)

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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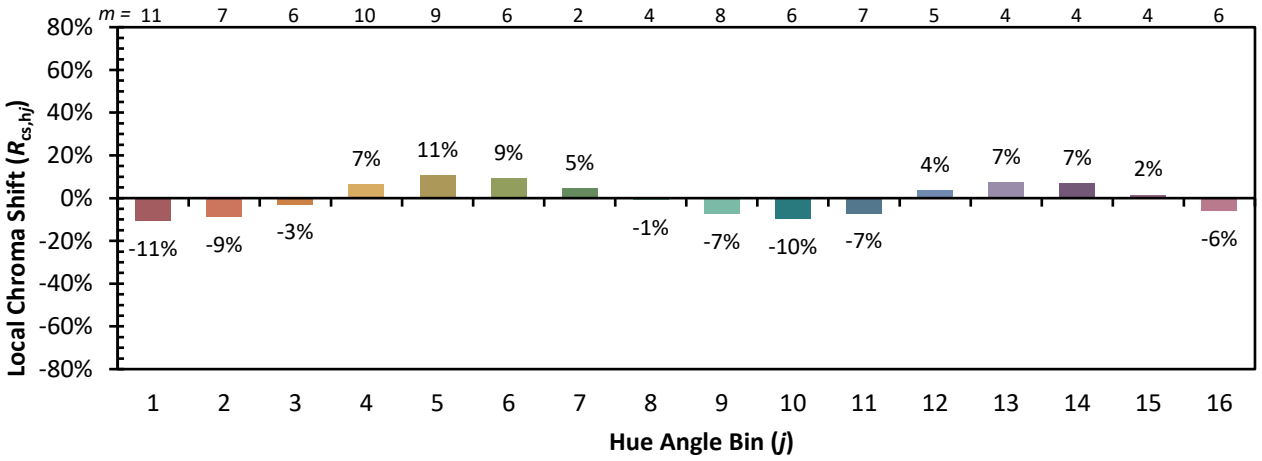
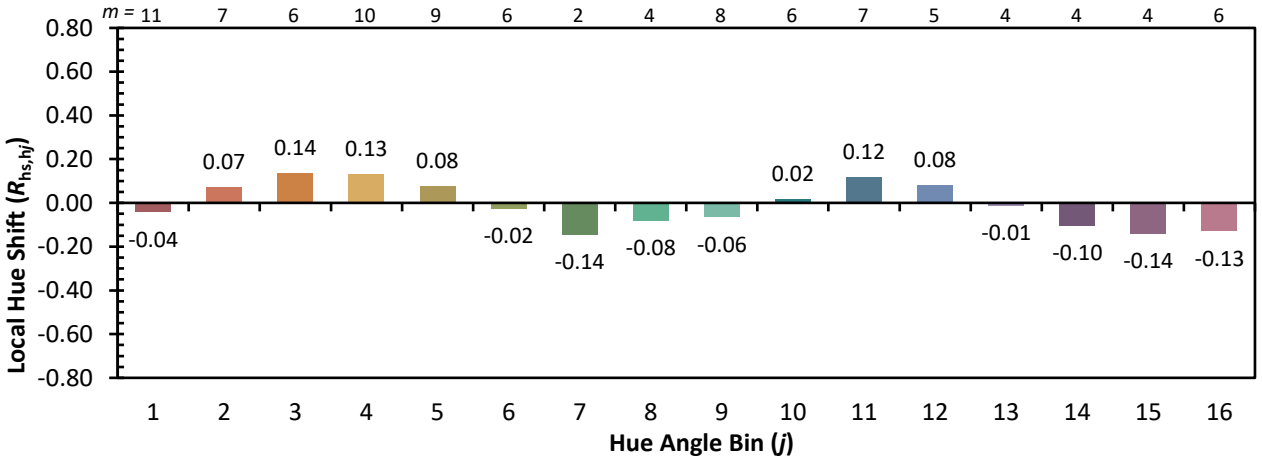
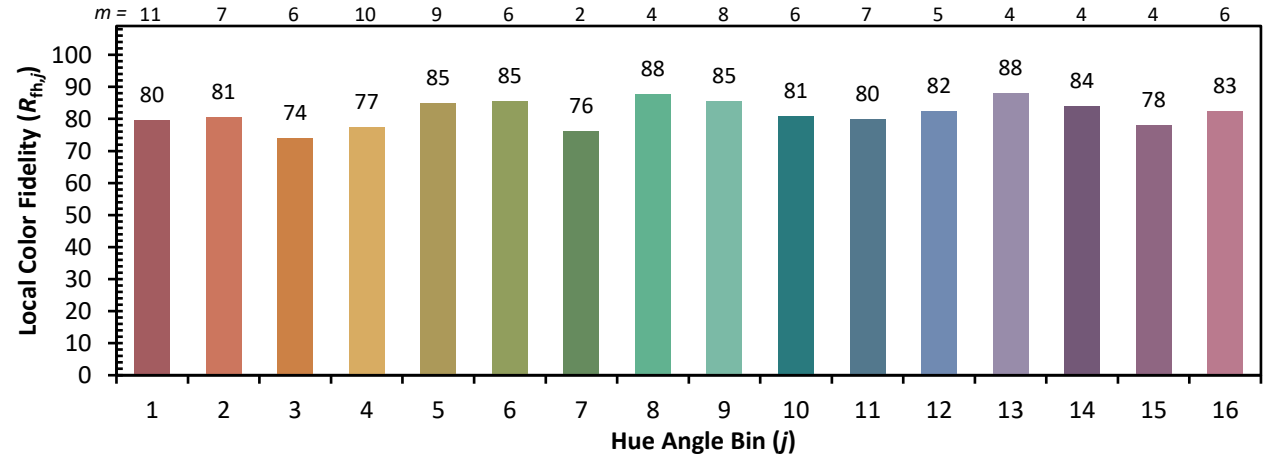
Color Rendition by Hue-Angle Bin







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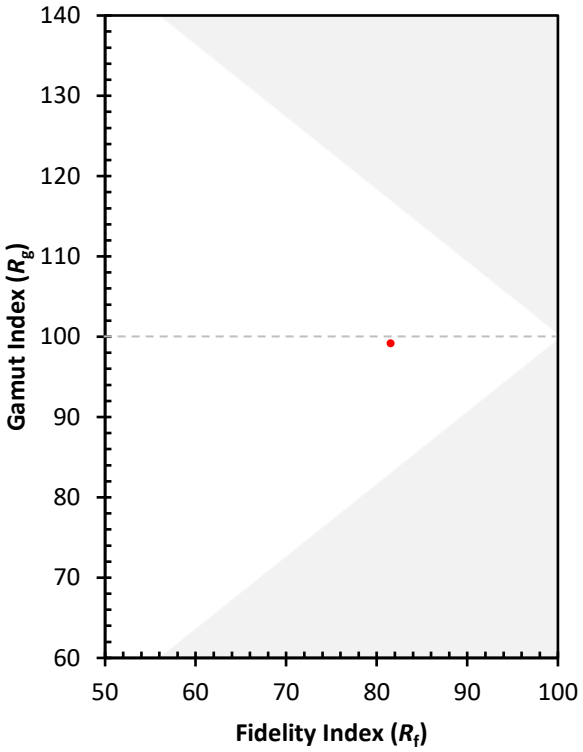
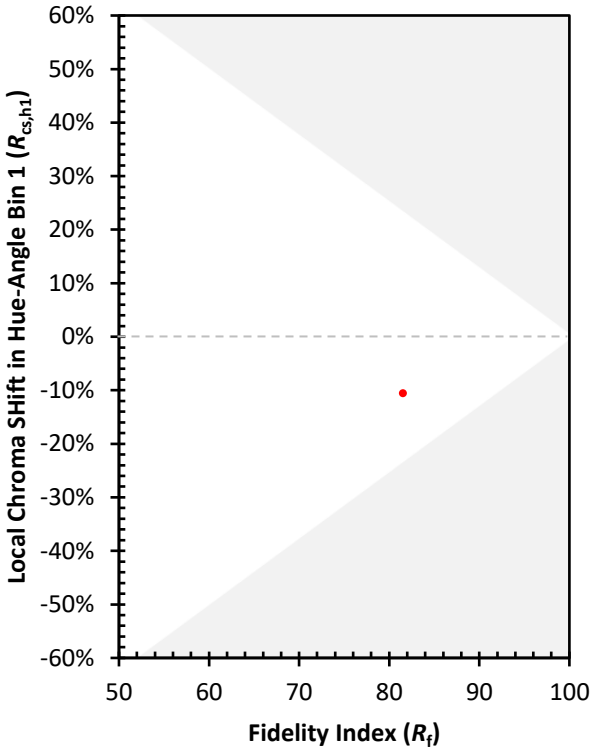
Measure Comparisons





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