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: P642437

Luminaire Tested: GWS-SA6C-830-U-SL4-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:	P642437
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-SL4-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17772.5 lumens
Efficiency:	N/A
Efficacy:	93.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

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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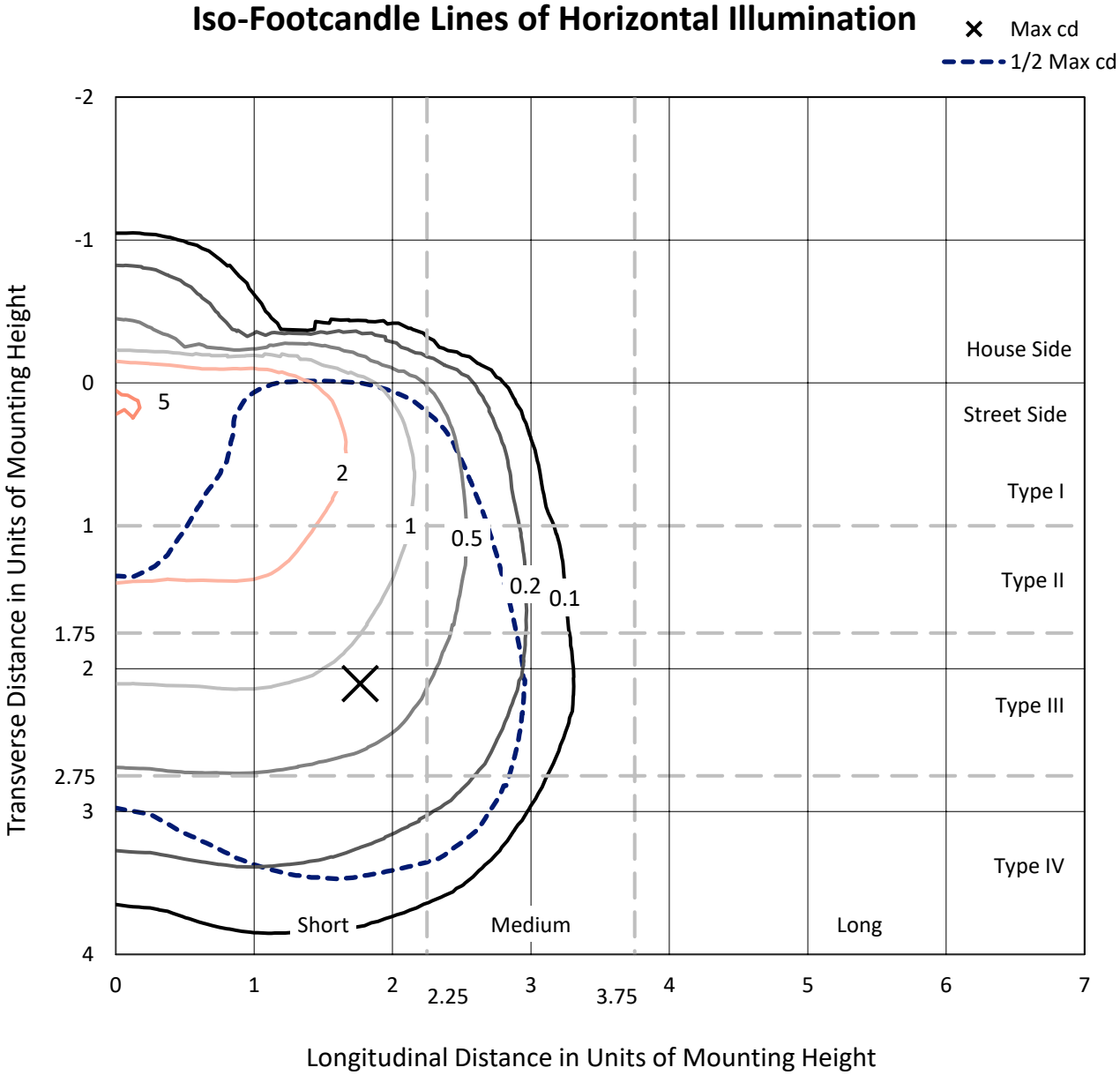
Scaled Data Report

REPORT NUMBER: P642437
CATALOG NUMBER: GWS-SA6C-830-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type IV - Short - N/A

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REPORT NUMBER: P642437
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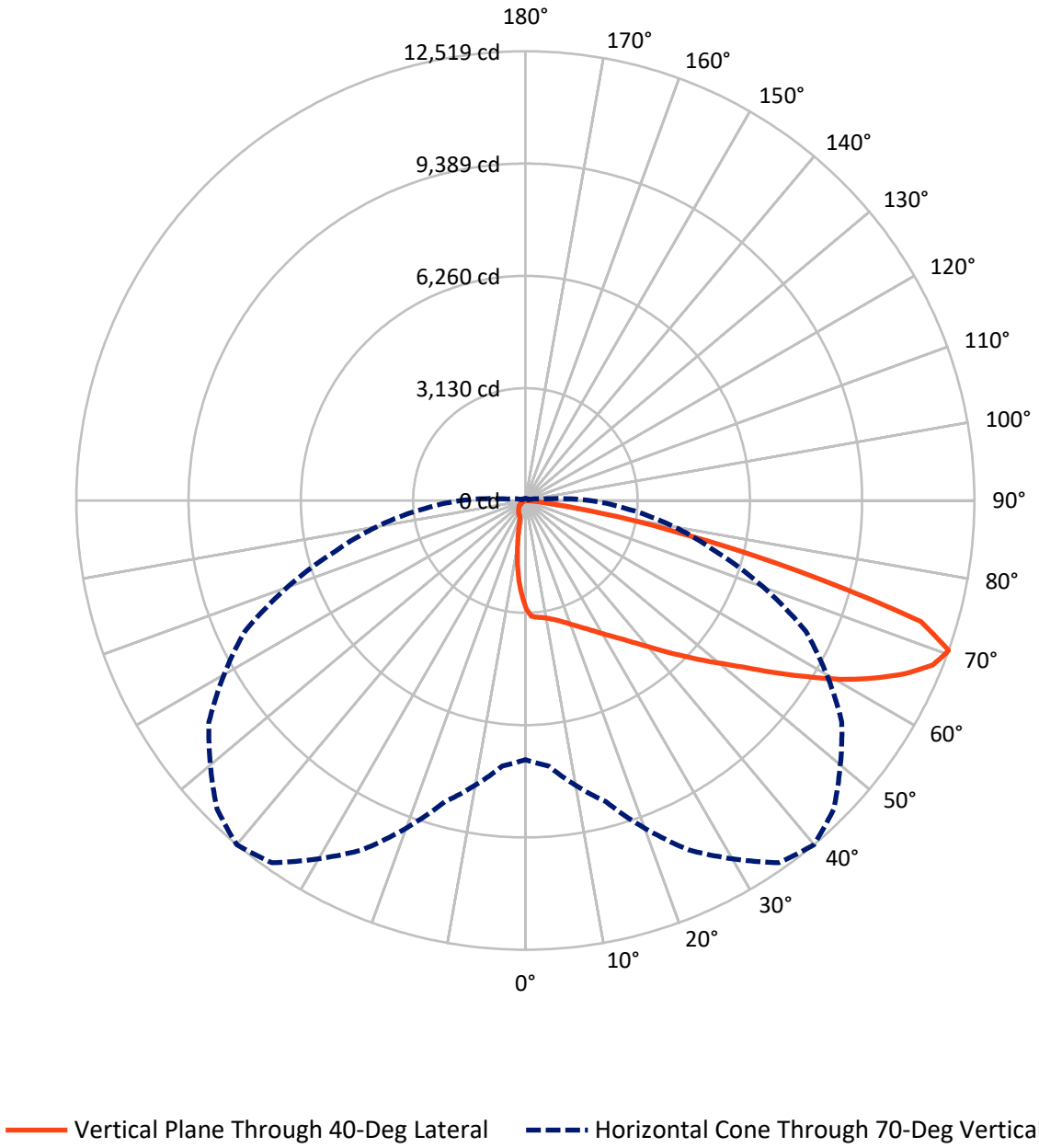
Luminous Intensity Polar Plot



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REPORT NUMBER: P642437
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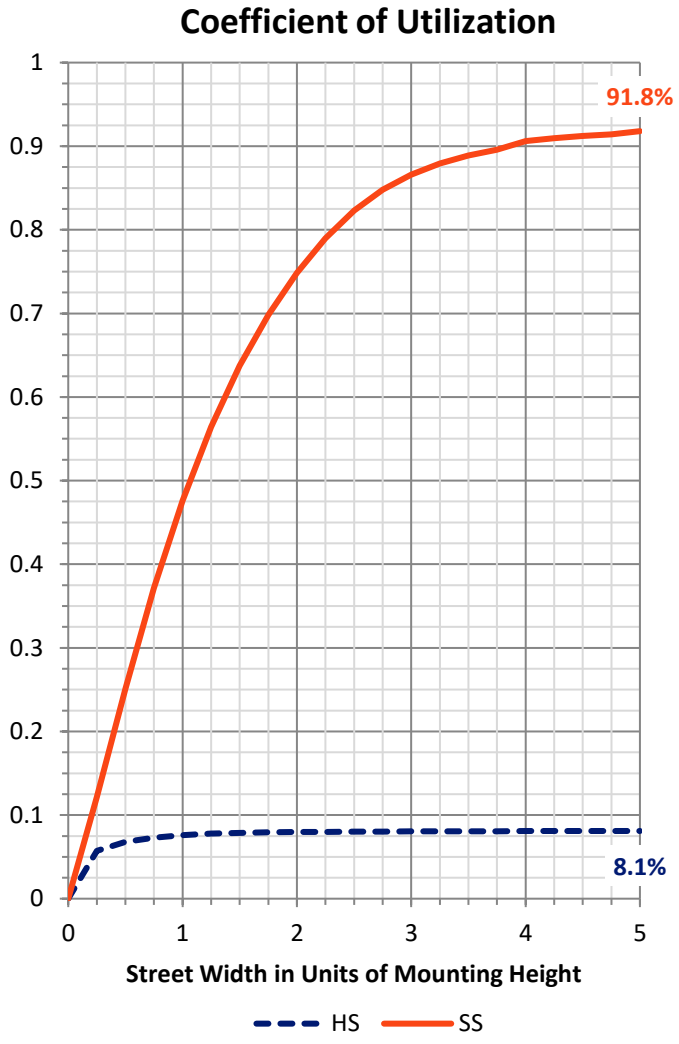
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1453.3	0.0	1453.3
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	16319.2	0.0	16319.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	17772.5	0.0	17772.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.9	1.4
10°-20°	646.5	3.6
20°-30°	1082.0	6.1
30°-40°	1699.4	9.6
40°-50°	2688.0	15.1
50°-60°	3921.1	22.1
60°-70°	4860.8	27.4
70°-80°	2459.3	13.8
80°-90°	160.5	0.9
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°	17772.5	100.0
0°-180°	17772.5	100.0



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REPORT NUMBER: P642437
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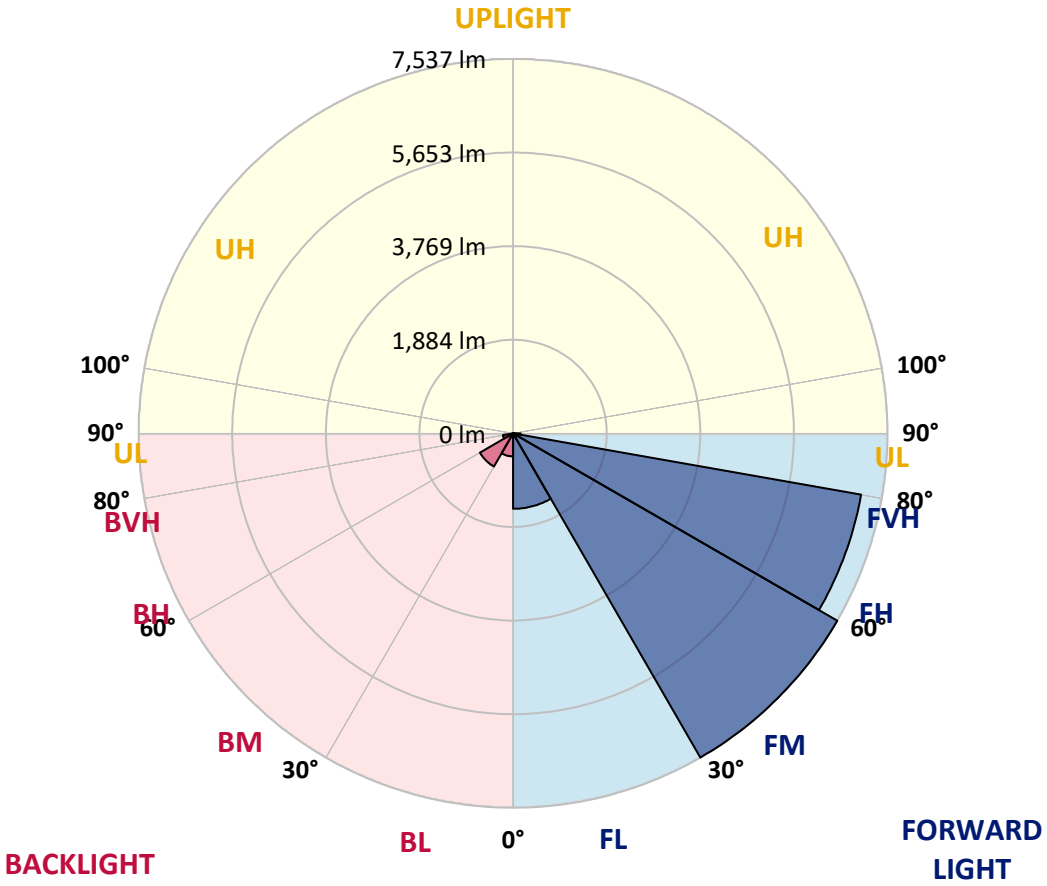
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1519.2	8.5			
FM	(30°-60°)	7537.1	42.4			
FH	(60°-80°)	7112.9	40.0			G3/7500
FVH	(80°-90°)	150.0	0.8			G2/225
BL	(0°-30°)	464.1	2.6	B1/500		
BM	(30°-60°)	771.4	4.3	B1/1000		
BH	(60°-80°)	207.2	1.2	B1/500		G1/500
BVH	(80°-90°)	10.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P642437
CATALOG NUMBER: GWS-SA6C-830-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8
2.5°	3242.2	3253.5	3251.9	3256.7	3245.4	3227.6	3224.4	3200.1	3156.5	3101.5	3040.0
5°	3308.5	3321.4	3311.7	3306.8	3285.8	3266.4	3261.6	3235.7	3185.6	3111.2	3004.5
7.5°	3365.1	3368.3	3361.8	3350.5	3319.8	3293.9	3276.1	3240.5	3180.7	3106.3	2983.4
10°	3374.8	3373.1	3376.4	3378.0	3358.6	3336.0	3321.4	3272.9	3196.9	3117.7	2985.1
12.5°	3363.4	3363.4	3384.5	3408.7	3408.7	3397.4	3382.8	3339.2	3250.3	3156.5	3017.4
15°	3378.0	3382.8	3423.3	3468.6	3483.1	3471.8	3465.3	3420.0	3327.9	3224.4	3075.6
17.5°	3429.7	3434.6	3499.3	3567.2	3585.0	3572.0	3559.1	3513.8	3415.2	3302.0	3141.9
20°	3505.7	3518.7	3601.1	3688.5	3704.6	3688.5	3662.6	3599.5	3500.9	3386.1	3205.0
22.5°	3644.8	3652.9	3741.8	3834.0	3842.1	3816.2	3777.4	3690.1	3586.6	3475.0	3276.1
25°	3829.2	3840.5	3929.4	4018.3	3997.3	3958.5	3905.2	3806.5	3688.5	3580.1	3366.7
27.5°	4049.1	4062.0	4149.3	4226.9	4172.0	4126.7	4066.9	3944.0	3824.3	3725.7	3483.1
30°	4286.8	4298.1	4375.7	4445.2	4372.5	4319.1	4248.0	4121.8	4000.6	3926.2	3648.0
32.5°	4516.4	4514.8	4589.2	4645.8	4571.4	4529.3	4464.6	4336.9	4239.9	4207.5	3893.8
35°	4729.8	4729.8	4791.3	4847.9	4794.5	4771.9	4712.1	4610.2	4555.2	4594.0	4222.1
37.5°	4944.9	4933.6	4991.8	5054.9	5050.0	5051.6	5017.7	4969.2	4972.4	5109.8	4673.2
40°	5122.8	5117.9	5185.8	5268.3	5333.0	5384.7	5363.7	5381.5	5483.4	5740.5	5250.5
42.5°	5265.1	5276.4	5363.7	5494.7	5658.0	5763.1	5777.7	5850.5	6112.4	6510.2	5902.2
45°	5428.4	5430.0	5551.3	5751.8	6012.2	6178.7	6236.9	6424.5	6796.4	7309.0	6616.9
47.5°	5628.9	5609.5	5745.3	6026.7	6403.5	6649.3	6752.8	6987.2	7562.9	8088.4	7199.1
50°	5850.5	5814.9	5968.5	6351.7	6841.7	7148.9	7359.2	7702.0	8322.9	8728.8	7632.4
52.5°	6107.6	6073.6	6248.2	6725.3	7367.2	7740.8	8010.8	8356.9	8974.6	9217.1	7891.2
55°	6434.2	6400.2	6584.6	7173.2	7988.2	8473.3	8756.3	9047.3	9581.0	9577.7	8078.7
57.5°	6796.4	6749.5	7005.0	7739.2	8762.7	9267.3	9555.1	9697.4	10041.8	9857.5	8204.9
60°	7212.0	7170.0	7524.1	8413.5	9657.0	10124.3	10305.4	10247.2	10420.2	10022.4	8161.2
62.5°	7587.2	7567.7	8007.6	9128.2	10509.1	10903.7	10953.8	10700.0	10698.3	10025.6	7866.9
65°	7976.9	8014.1	8667.3	9951.3	11366.2	11631.4	11545.7	11149.5	10809.9	9629.5	6996.9
67.5°	8122.4	8230.7	9102.3	10695.1	12042.1	12249.1	12098.7	11374.3	10345.8	8297.0	5328.1
70°	7223.3	7427.1	8691.6	10737.1	12321.8	12519.1	12158.5	10769.5	8625.3	5496.3	2918.8
72.5°	5493.1	5730.8	7242.7	8791.8	11081.6	11531.1	10915.0	8774.1	5559.4	2407.8	979.9
75°	3074.0	3331.1	5394.4	6620.2	7440.0	7850.7	7624.3	5628.9	2462.8	629.0	292.7
77.5°	1039.8	1125.5	2509.6	4096.0	4911.0	4542.3	3845.3	2795.9	905.5	239.3	155.2
80°	616.1	648.4	934.6	2039.1	2584.0	2142.6	1691.4	1033.3	460.9	127.7	108.3
82.5°	184.3	218.3	515.8	756.8	1012.3	630.6	533.6	590.2	239.3	69.5	90.6
85°	0.0	0.0	110.0	234.5	265.2	103.5	103.5	334.7	43.7	29.1	66.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.1	4.9	6.5	14.6
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: P642437
CATALOG NUMBER: GWS-SA6C-830-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8	3015.8
2.5°	2996.4	2939.8	2873.5	2810.4	2750.6	2673.0	2635.8	2590.5	2551.7	2530.7	2542.0
5°	2936.5	2847.6	2711.8	2574.3	2435.3	2304.3	2186.2	2107.0	2035.9	1998.7	2006.7
7.5°	2884.8	2765.1	2553.3	2328.5	2105.4	1880.6	1697.9	1555.6	1445.6	1400.4	1392.3
10°	2862.2	2711.8	2412.6	2089.2	1746.4	1444.0	1185.3	1028.4	916.9	861.9	871.6
12.5°	2873.5	2684.3	2293.0	1854.7	1410.1	1057.5	810.1	663.0	583.8	551.4	543.3
15°	2905.8	2677.8	2186.2	1615.4	1088.3	739.0	559.5	499.7	483.5	480.3	480.3
17.5°	2943.0	2679.4	2076.3	1372.9	826.3	548.2	478.6	467.3	462.5	459.2	460.9
20°	2980.2	2679.4	1950.2	1127.1	620.9	473.8	456.0	447.9	443.1	441.5	441.5
22.5°	3025.5	2679.4	1809.5	899.1	498.0	449.5	435.0	430.1	425.3	423.7	422.0
25°	3080.5	2681.1	1654.2	703.4	452.8	428.5	417.2	412.3	407.5	404.3	404.3
27.5°	3159.7	2694.0	1482.8	548.2	426.9	409.1	399.4	394.6	389.7	384.9	384.9
30°	3274.5	2726.3	1290.4	452.8	402.6	388.1	378.4	375.2	370.3	365.5	363.8
32.5°	3445.9	2782.9	1091.5	405.9	380.0	365.5	354.1	350.9	346.0	341.2	339.6
35°	3685.2	2886.4	897.5	376.8	350.9	336.3	329.9	328.3	321.8	316.9	316.9
37.5°	4036.1	3054.6	711.5	347.7	326.6	315.3	307.2	304.0	297.5	292.7	291.1
40°	4464.6	3272.9	553.0	325.0	304.0	292.7	284.6	279.7	271.7	265.2	262.0
42.5°	5011.2	3539.7	436.6	300.8	283.0	271.7	265.2	255.5	244.2	234.5	232.9
45°	5580.4	3814.6	360.6	278.1	263.6	253.9	245.8	232.9	216.7	205.4	202.1
47.5°	6017.0	3986.0	315.3	253.9	242.6	234.5	224.8	208.6	189.2	176.3	173.0
50°	6329.1	4011.9	281.4	231.2	224.8	216.7	202.1	182.7	161.7	148.8	145.5
52.5°	6482.7	3895.5	253.9	210.2	205.4	197.3	179.5	158.5	135.8	122.9	119.7
55°	6552.2	3675.5	228.0	192.4	186.0	176.3	156.9	134.2	111.6	100.3	97.0
57.5°	6524.8	3350.5	205.4	174.6	166.6	155.2	134.2	110.0	92.2	80.9	79.2
60°	6321.0	2894.5	182.7	156.9	147.2	134.2	113.2	90.6	74.4	66.3	64.7
62.5°	5881.2	2328.5	160.1	135.8	129.4	116.4	97.0	74.4	61.4	56.6	55.0
65°	4980.5	1646.1	137.4	114.8	111.6	98.6	80.9	61.4	53.4	50.1	48.5
67.5°	3580.1	1000.9	116.4	98.6	95.4	84.1	67.9	53.4	48.5	46.9	46.9
70°	*1799.8*	*473.8*	*92.2*	*80.9*	*80.9*	*69.5*	*58.2*	*48.5*	*46.9*	*45.3*	*45.3*
72.5°	611.2	202.1	69.5	63.1	66.3	59.8	50.1	45.3	45.3	45.3	45.3
75°	208.6	106.7	48.5	45.3	48.5	48.5	43.7	43.7	45.3	45.3	45.3
77.5°	135.8	71.1	34.0	30.7	37.2	37.2	37.2	40.4	43.7	43.7	43.7
80°	111.6	38.8	22.6	21.0	27.5	27.5	30.7	37.2	40.4	40.4	40.4
82.5°	95.4	24.3	12.9	14.6	19.4	21.0	25.9	30.7	35.6	37.2	37.2
85°	64.7	12.9	9.7	11.3	12.9	16.2	21.0	25.9	29.1	32.3	32.3
87.5°	17.8	4.9	6.5	8.1	8.1	11.3	16.2	19.4	22.6	24.3	24.3
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

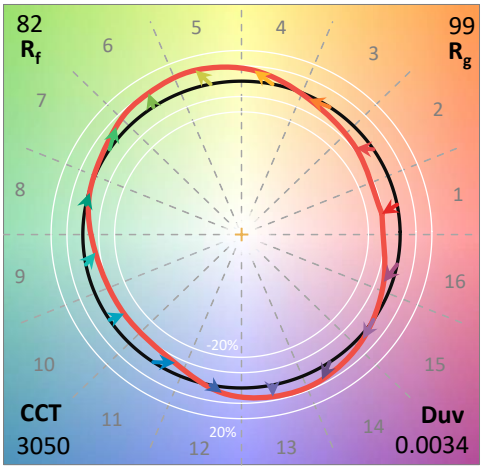
Test Information

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

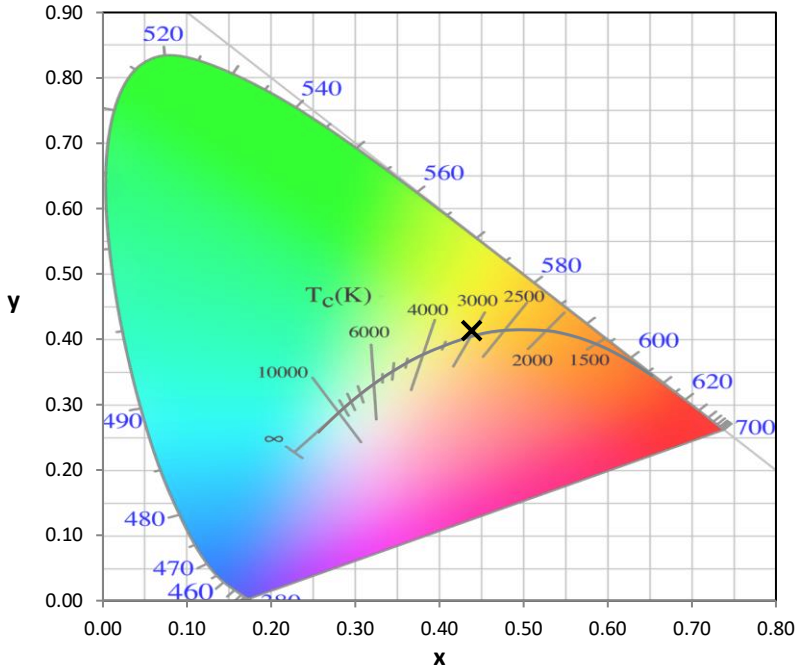
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

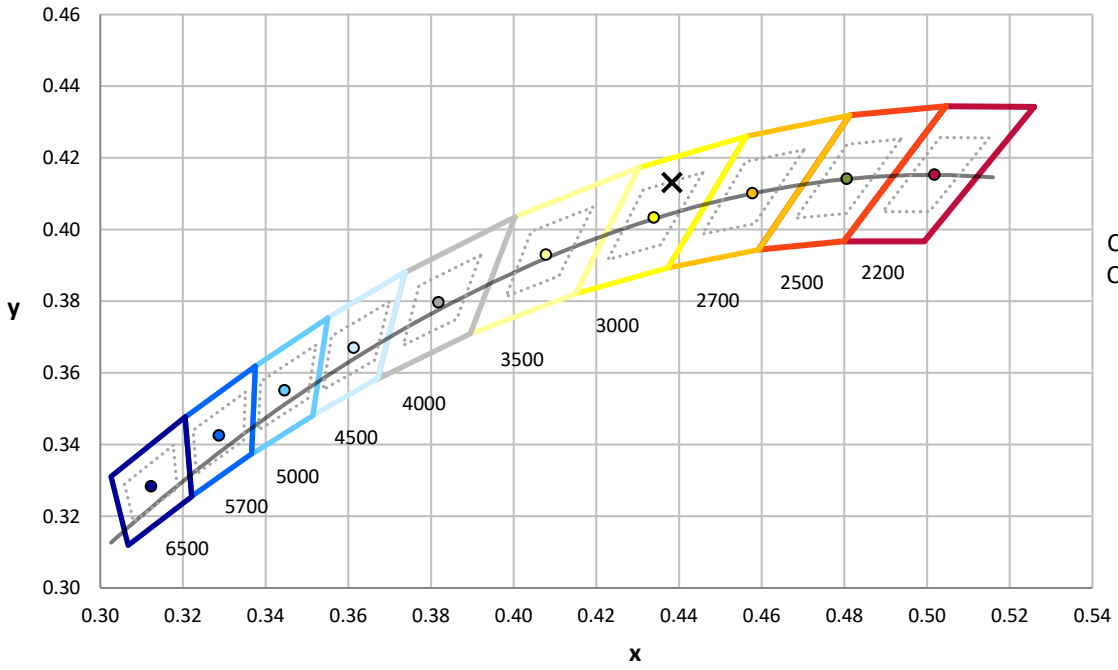
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

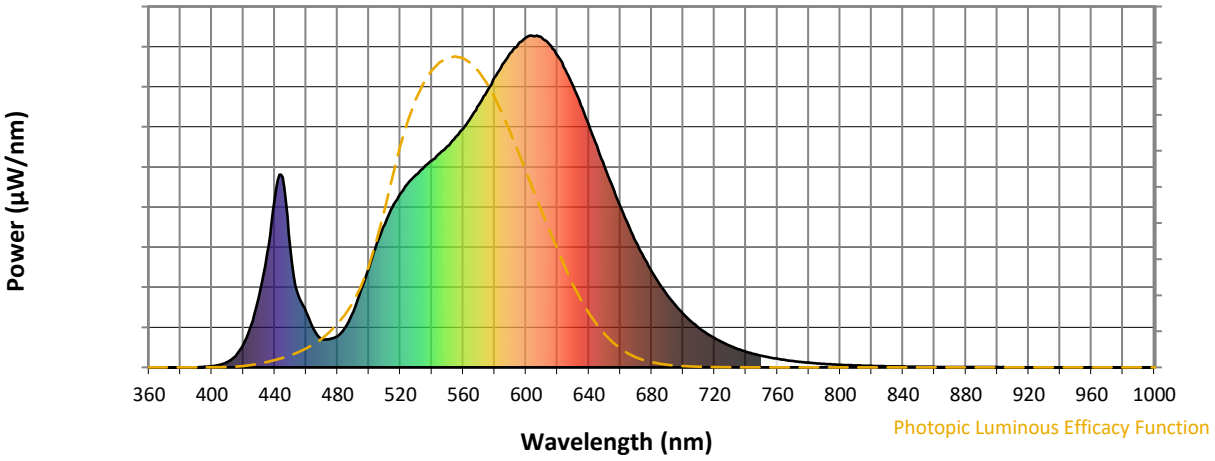


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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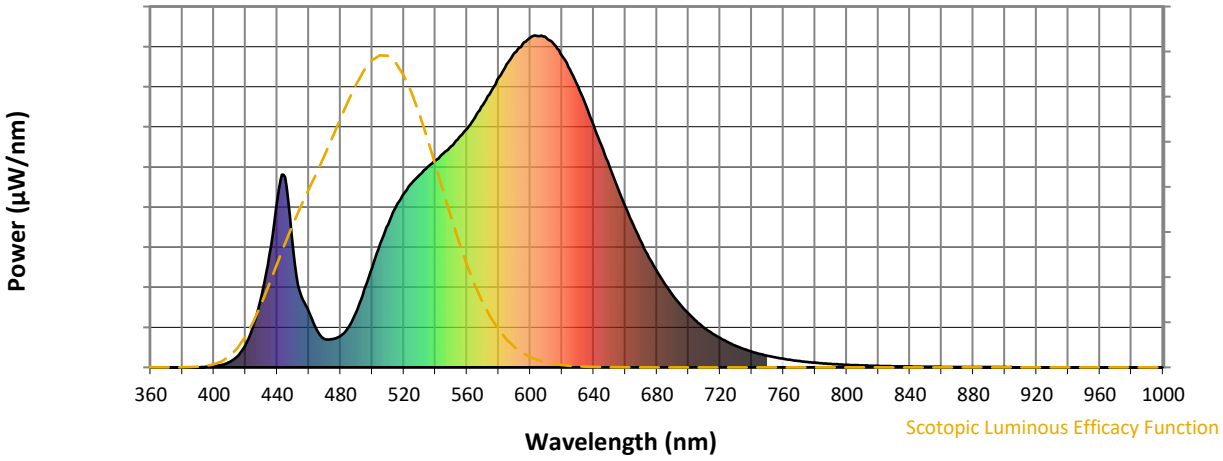
Scotopic Flux vs. Wavelength



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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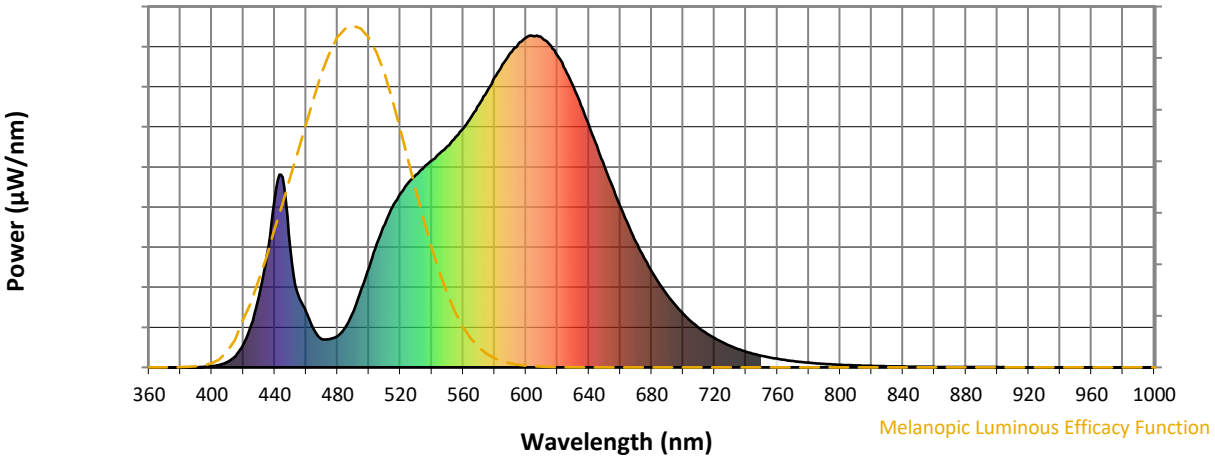
Melanopic Flux vs. Wavelength



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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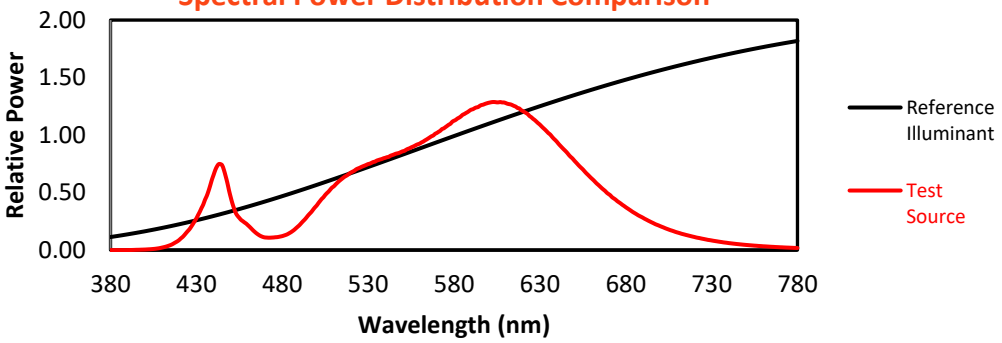
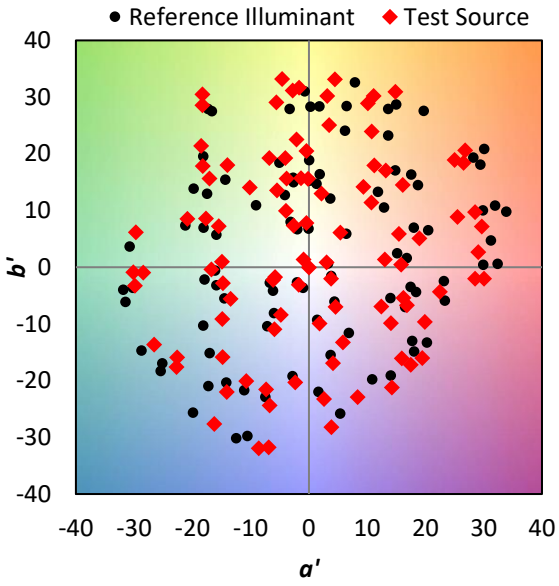
Summary

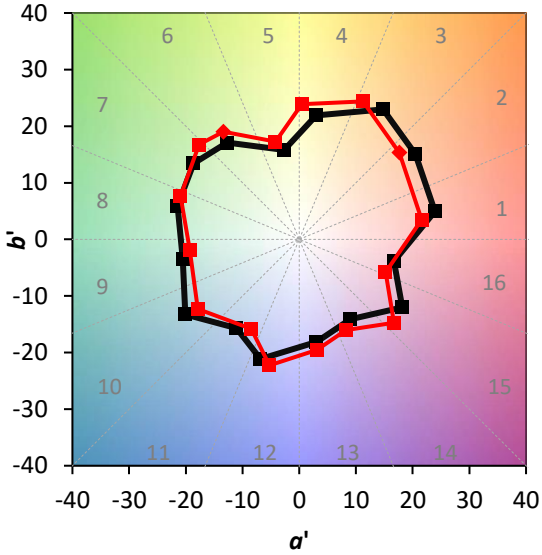
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

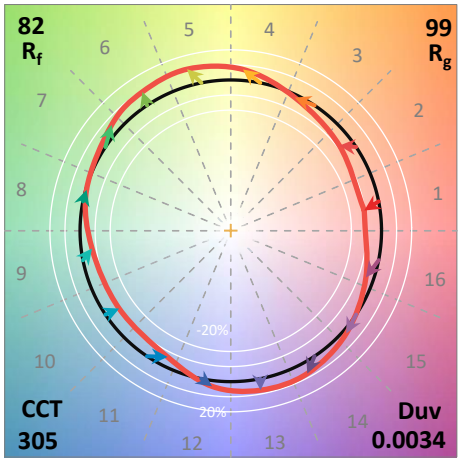
Spectral Power Distribution Comparison

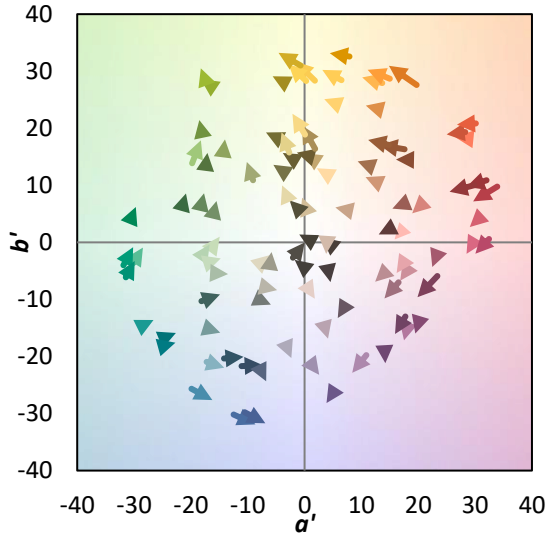


Color Vector Graphics









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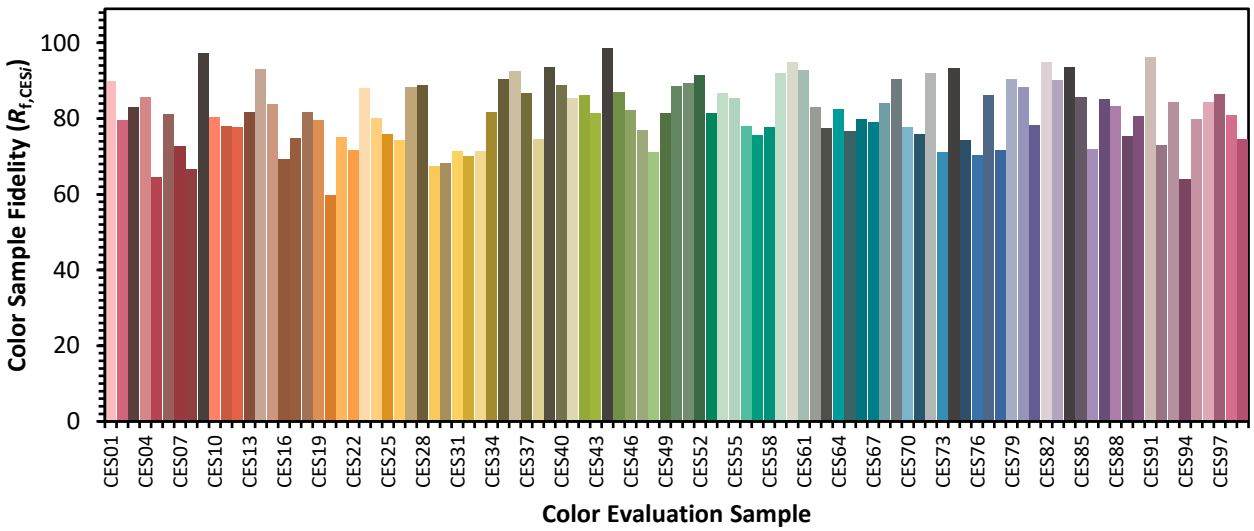
Individual Sample Fidelity Index ($R_{f,i}$)

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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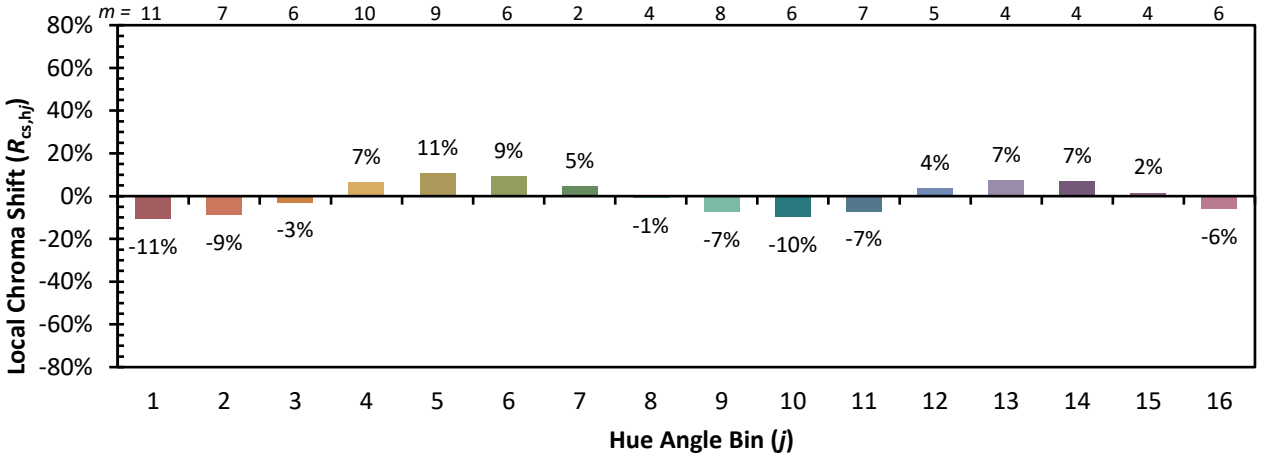
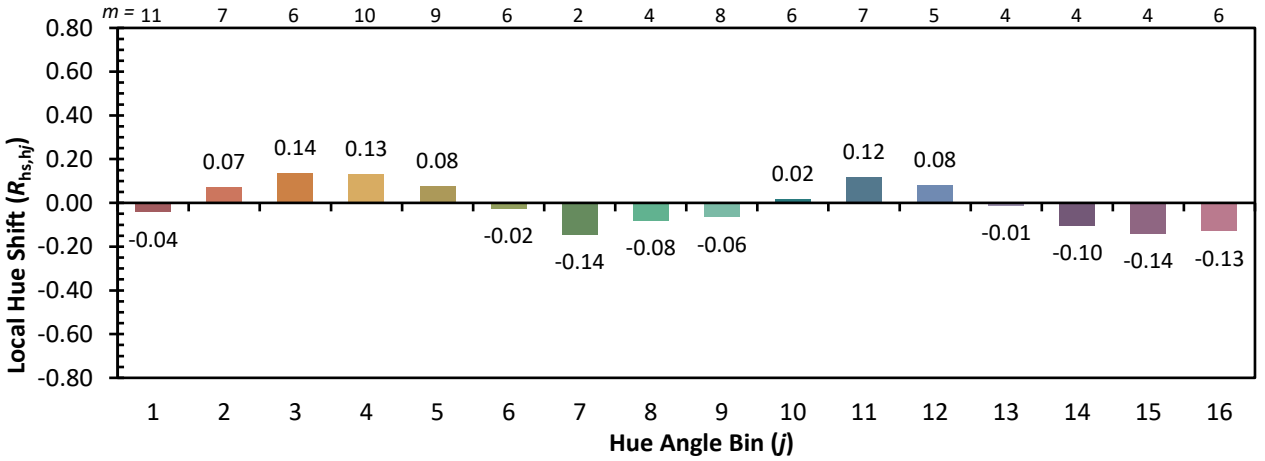
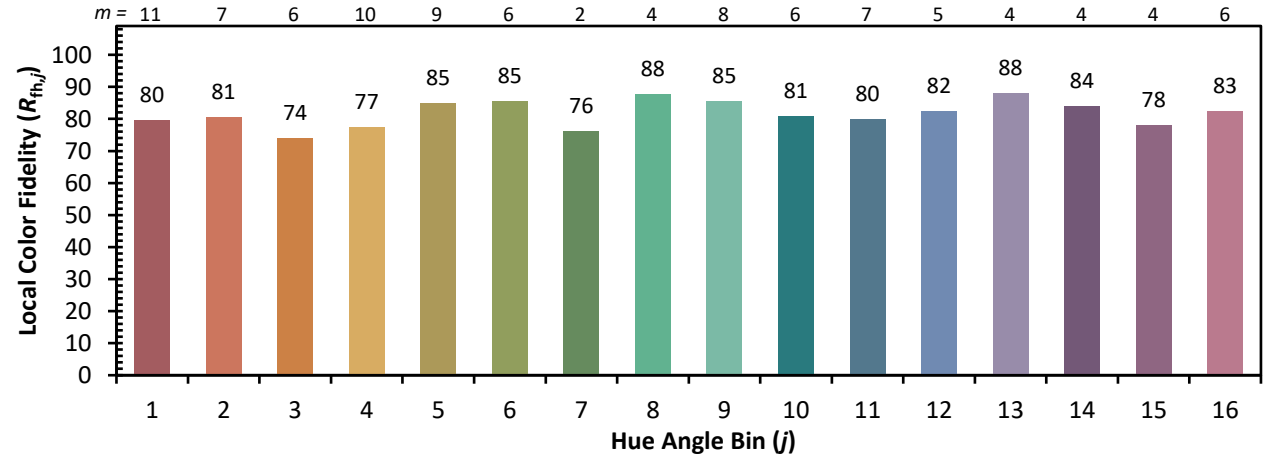
Color Rendition by Hue-Angle Bin







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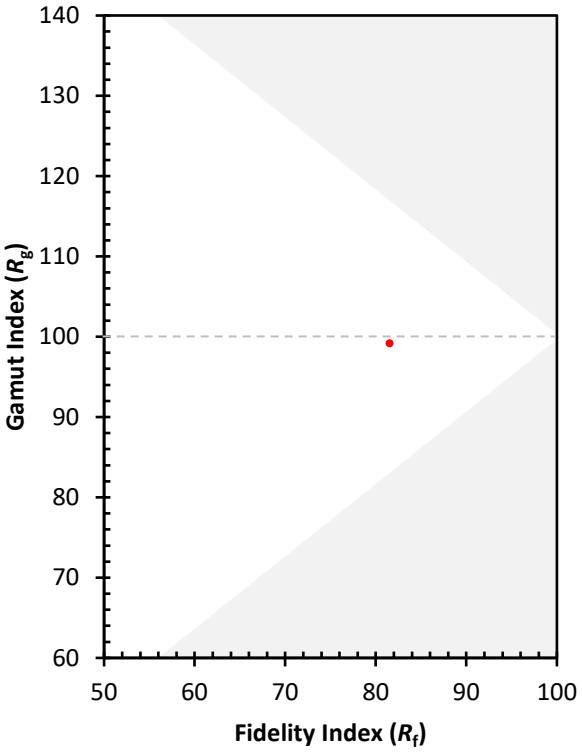
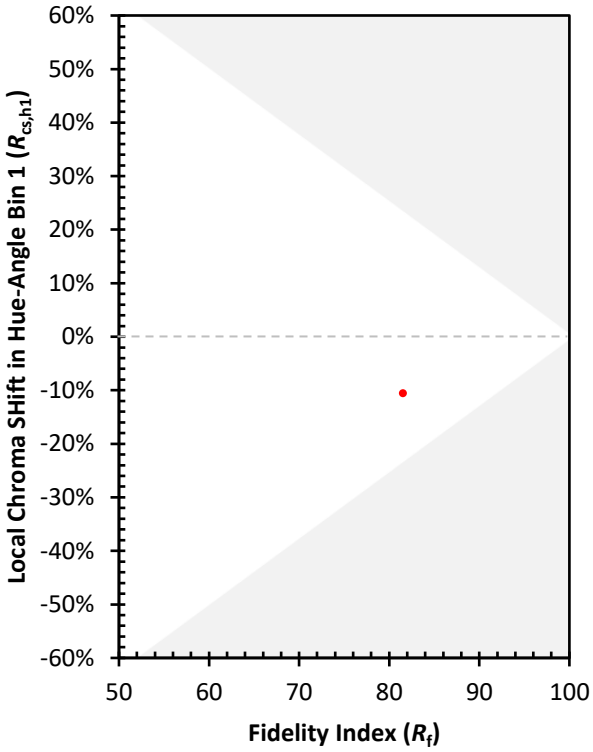
Measure Comparisons





(END OF REPORT)