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: P642917

Luminaire Tested: GWS-SA6D-830-U-AFL-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:	P642917
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-AFL-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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:	21431.7 lumens
Efficiency:	N/A
Efficacy:	87.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G1

Input Watts (W):	245.7
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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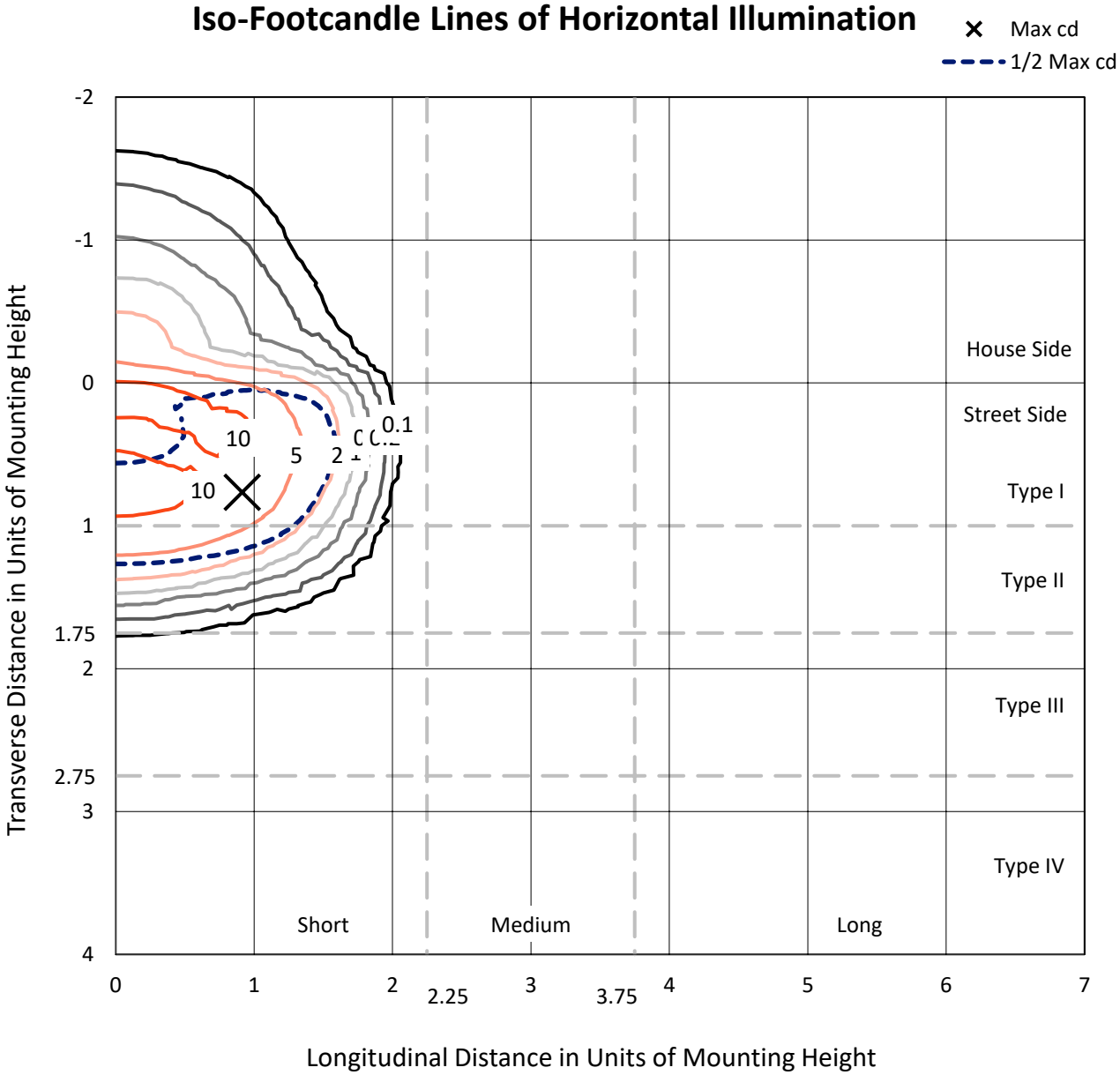
REPORT NUMBER: P642917
CATALOG NUMBER: GWS-SA6D-830-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
Type II - Short - N/A

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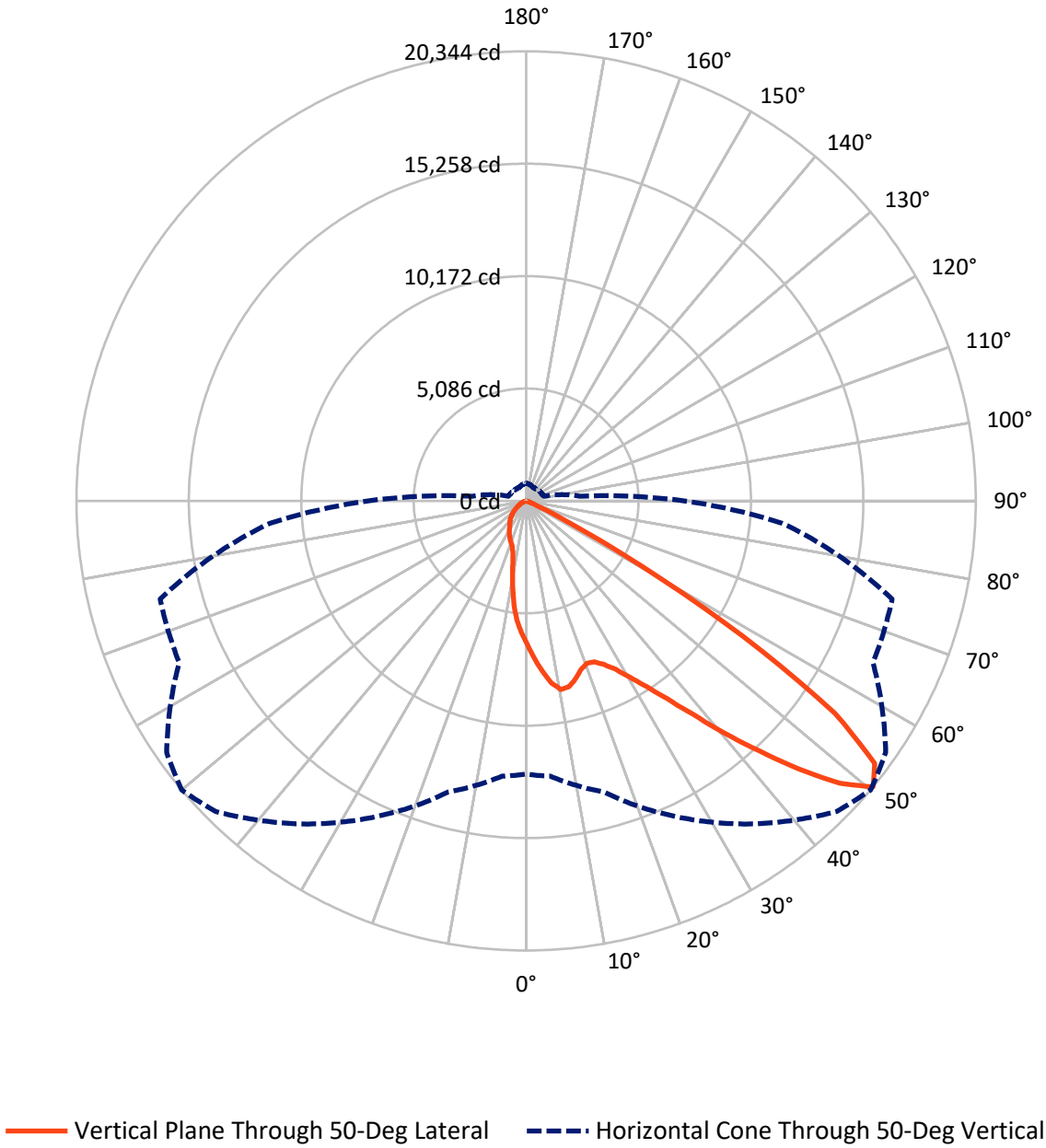
Luminous Intensity Polar Plot



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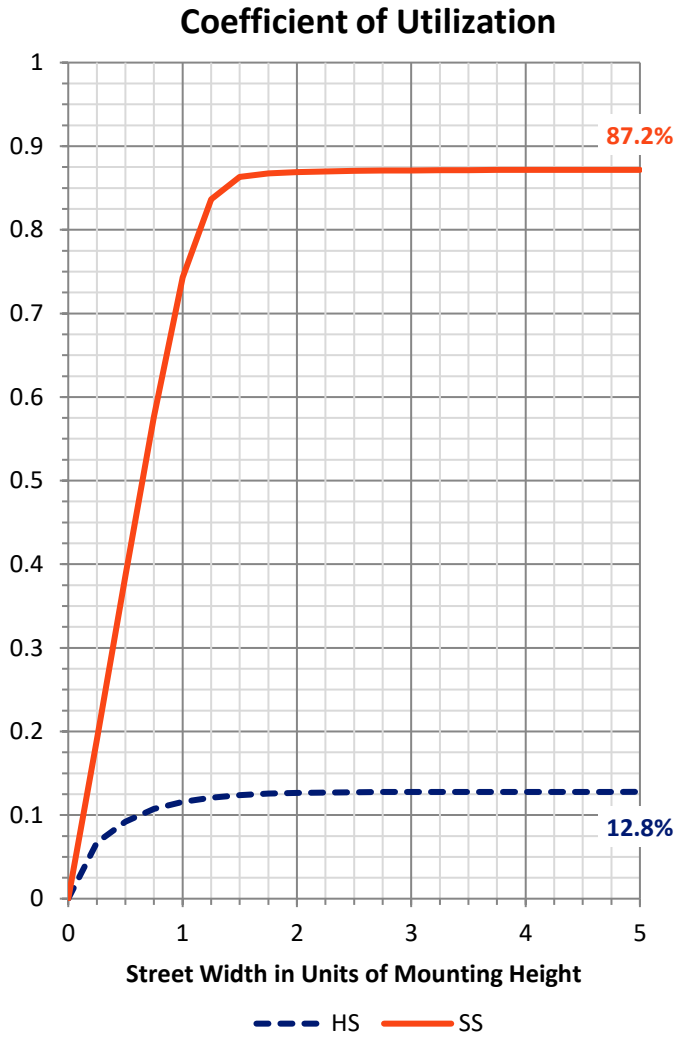
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2753.6	0.0	2753.6
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	18678.1	0.0	18678.1
	% Fixture	87.2	0.0	87.2
Total	Lumens	21431.7	0.0	21431.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.3	2.8
10°-20°	1554.0	7.3
20°-30°	2564.7	12.0
30°-40°	4232.3	19.7
40°-50°	6696.5	31.2
50°-60°	5070.0	23.7
60°-70°	634.5	3.0
70°-80°	71.8	0.3
80°-90°	5.5	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°	21431.7	100.0
0°-180°	21431.7	100.0



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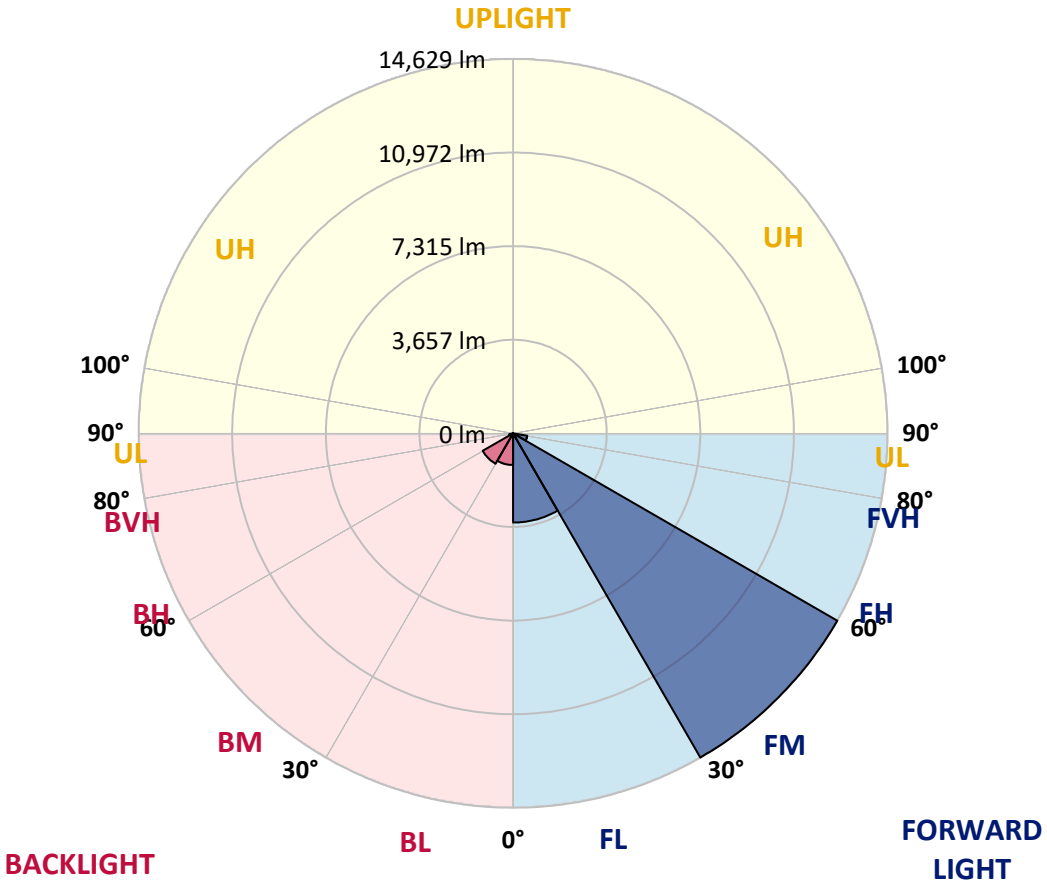
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3485.1	16.3			
FM	(30°-60°)	14629.4	68.3			
FH	(60°-80°)	561.0	2.6			G0/660
FVH	(80°-90°)	2.6	0.0			G0/10
BL	(0°-30°)	1236.0	5.8	B3/2500		
BM	(30°-60°)	1369.5	6.4	B2/2500		
BH	(60°-80°)	145.3	0.7	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P642917
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	6493.0	6493.0	6493.0	6493.0	6493.0	6493.0	*6493.0*	6493.0	6493.0	6493.0	6493.0
2.5°	7398.7	7457.8	7441.5	7364.0	7280.3	7221.2	*7129.4*	7100.8	6892.8	6747.9	6594.9
5°	8292.1	8310.5	8290.1	8196.3	8049.4	7908.6	*7757.7*	7670.0	7321.1	7007.0	6686.7
7.5°	8506.3	8483.9	8522.6	8569.6	8549.2	8488.0	*8328.8*	8233.0	7816.8	7304.8	6819.3
10°	7837.2	7786.2	7931.1	8173.8	8428.8	8716.4	*8675.6*	8683.8	8300.3	7680.2	6992.7
12.5°	6949.9	6929.5	7037.6	7319.1	7818.9	8471.6	*8628.7*	8891.9	8742.9	8086.1	7190.6
15°	6560.3	6570.5	6635.7	6813.2	7172.2	7984.1	*8361.5*	8836.8	9138.7	8479.8	7408.9
17.5°	6619.4	6656.1	6654.1	6713.3	6931.5	7582.3	*8022.9*	8663.4	9444.7	8932.7	7659.8
20°	7021.3	7058.0	7002.9	6958.0	7031.5	7480.3	*7845.4*	8488.0	9650.7	9389.6	7925.0
22.5°	7623.0	7665.9	7535.3	7406.8	7359.9	7647.5	*7912.7*	8416.6	9807.8	9807.8	8161.6
25°	8351.3	8410.4	8208.5	7980.0	7849.5	8000.4	*8200.3*	8577.7	9968.9	10183.1	8322.7
27.5°	9165.2	9167.2	8993.9	8736.8	8492.0	8510.4	*8630.8*	8940.8	10146.4	10587.0	8449.2
30°	10081.1	10087.2	9856.7	9548.7	9240.7	9157.0	*9259.0*	9493.6	10515.6	11094.9	8624.6
32.5°	11264.2	11292.8	10962.3	10509.5	10109.7	9952.6	*10011.8*	10258.6	11103.1	11731.4	8887.8
35°	12863.5	12894.1	12406.6	11808.9	11172.4	10935.8	*10995.0*	11243.8	11953.7	12635.0	9308.0
37.5°	14442.4	14483.2	13989.5	13432.6	12559.6	12167.9	*12229.1*	12465.7	13230.7	13883.5	9981.2
40°	15533.7	15588.8	15435.8	15060.5	14250.6	13736.6	*13810.0*	13895.7	14636.2	15376.7	10854.2
42.5°	16109.0	16186.5	16251.8	16443.5	16017.2	15586.8	*15462.3*	15468.4	16066.1	16898.4	11762.0
45°	16143.6	16219.1	16553.7	17294.1	17618.5	17528.7	*17302.3*	17149.3	17157.5	17912.2	12329.1
47.5°	15021.7	15162.5	15788.7	17239.1	18458.9	19203.5	*19089.2*	18726.1	17616.4	17979.5	12267.9
50°	*12363.7*	*12502.5*	*13640.7*	*15727.5*	*17847.0*	*19872.6*	*20343.8*	*19856.2*	*17316.6*	*17141.2*	*11637.5*
52.5°	8979.6	8993.9	9732.3	12170.0	15366.5	18638.4	*19748.1*	19701.2	16859.6	16125.3	10776.7
55°	4265.4	4214.4	5044.6	6868.3	10627.8	15074.7	*16945.3*	17475.7	16211.0	15390.9	10109.7
57.5°	1242.3	1266.8	1636.0	2680.4	5315.9	9634.4	*11604.9*	12592.2	13306.2	12653.4	7841.3
60°	556.9	558.9	622.2	816.0	1770.6	4481.6	*5999.3*	7221.2	7955.6	7372.1	3890.1
62.5°	403.9	405.9	430.4	461.0	601.8	1517.7	*2250.0*	2998.6	3053.7	1999.1	985.3
65°	336.6	336.6	340.7	340.7	361.1	542.6	*683.4*	881.2	742.5	550.8	385.5
67.5°	271.3	273.3	277.4	277.4	271.3	271.3	*293.7*	322.3	344.7	426.3	354.9
70°	212.1	210.1	210.1	212.1	206.0	175.4	*189.7*	216.2	236.6	332.5	308.0
72.5°	165.2	167.3	165.2	157.1	142.8	104.0	*112.2*	140.8	151.0	208.1	208.1
75°	124.4	126.5	118.3	89.8	59.2	32.6	*42.8*	69.4	87.7	102.0	75.5
77.5°	16.3	16.3	12.2	12.2	10.2	12.2	*12.2*	16.3	24.5	24.5	18.4
80°	2.0	2.0	2.0	4.1	6.1	8.2	*8.2*	8.2	8.2	10.2	10.2
82.5°	2.0	2.0	2.0	2.0	6.1	6.1	*8.2*	8.2	8.2	8.2	8.2
85°	0.0	0.0	0.0	2.0	4.1	6.1	*6.1*	8.2	8.2	8.2	8.2
87.5°	0.0	0.0	0.0	2.0	4.1	6.1	*6.1*	6.1	8.2	8.2	8.2
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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REPORT NUMBER: P642917
CATALOG NUMBER: GWS-SA6D-830-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6493.0	6493.0	6493.0	6493.0	6493.0	6493.0	6493.0	6493.0	6493.0	6493.0	6493.0
2.5°	6503.2	6384.8	6242.0	6144.1	6005.4	5913.6	5783.1	5695.4	5619.9	5560.7	5593.4
5°	6505.2	6317.5	6025.8	5777.0	5505.6	5256.8	4989.6	4779.4	4589.7	4504.1	4551.0
7.5°	6546.0	6276.7	5830.0	5387.3	4867.2	4353.1	3871.7	3480.0	3286.3	3194.5	3223.0
10°	6625.5	6258.4	5611.7	4877.4	4032.9	3331.1	2864.0	2598.8	2490.7	2433.6	2443.8
12.5°	6699.0	6246.1	5328.2	4206.2	3182.2	2584.5	2341.8	2305.1	2327.5	2329.5	2327.5
15°	6798.9	6223.7	4977.3	3516.8	2545.8	2233.7	2239.8	2292.8	2345.9	2362.2	2358.1
17.5°	6905.0	6189.0	4524.5	2855.8	2160.2	2131.7	2203.1	2274.5	2327.5	2335.7	2337.7
20°	7015.2	6117.6	4008.4	2331.6	1980.7	2054.2	2133.7	2186.8	2225.5	2237.8	2241.8
22.5°	7066.2	5966.7	3412.7	1956.2	1860.4	1958.3	2017.4	2086.8	2099.0	2054.2	2062.3
25°	7039.6	5711.7	2831.4	1703.3	1740.0	1837.9	1925.7	1891.0	1840.0	1807.3	1817.5
27.5°	6956.0	5373.1	2262.2	1517.7	1611.5	1735.9	1746.1	1707.4	1699.2	1672.7	1680.9
30°	6866.3	4983.4	1819.6	1368.8	1481.0	1611.5	1580.9	1595.2	1597.2	1566.6	1576.8
32.5°	6811.2	4575.5	1448.3	1268.8	1397.3	1421.8	1483.0	1511.6	1513.6	1442.2	1454.4
35°	6829.5	4173.6	1226.0	1187.2	1319.8	1313.7	1399.4	1415.7	1297.4	1199.5	1209.7
37.5°	6978.4	3802.3	1099.5	1124.0	1185.2	1232.1	1297.4	1189.3	1162.7	1117.9	1124.0
40°	7255.9	3486.2	1024.0	1085.2	1093.4	1168.9	1068.9	1083.2	1085.2	1056.7	1062.8
42.5°	7580.2	3223.0	979.1	1062.8	1042.4	1054.6	954.7	983.2	1013.8	1001.6	1003.6
45°	7743.4	2966.0	940.4	985.3	991.4	875.1	852.7	883.3	922.0	928.1	930.2
47.5°	7598.6	2721.2	899.6	873.1	913.9	797.6	771.1	781.3	826.2	850.6	854.7
50°	*7155.9*	*2439.7*	*838.4*	*773.1*	*750.7*	*716.0*	*691.5*	*693.6*	*744.6*	*787.4*	*795.6*
52.5°	6533.8	2146.0	738.4	654.8	603.8	630.3	636.4	624.2	671.1	714.0	722.1
55°	5929.9	1778.8	585.4	532.4	485.5	542.6	558.9	542.6	556.9	585.4	587.5
57.5°	4175.6	1005.7	448.8	440.6	401.9	465.1	491.6	467.1	442.7	461.0	465.1
60°	1935.9	526.3	344.7	344.7	334.5	399.8	444.7	410.0	363.1	371.3	377.4
62.5°	605.8	332.5	252.9	238.7	273.3	340.7	377.4	342.7	287.6	287.6	295.8
65°	342.7	285.6	199.9	183.6	222.3	273.3	295.8	259.1	210.1	206.0	206.0
67.5°	318.2	271.3	177.5	148.9	157.1	175.4	183.6	159.1	144.8	142.8	144.8
70°	263.1	226.4	142.8	102.0	95.9	93.8	97.9	91.8	87.7	89.8	95.9
72.5°	163.2	136.7	89.8	61.2	53.0	51.0	51.0	51.0	49.0	49.0	49.0
75°	59.2	51.0	40.8	30.6	26.5	24.5	24.5	26.5	24.5	22.4	20.4
77.5°	18.4	16.3	16.3	16.3	14.3	12.2	10.2	10.2	8.2	6.1	6.1
80°	10.2	10.2	10.2	10.2	8.2	8.2	6.1	4.1	2.0	2.0	0.0
82.5°	10.2	10.2	10.2	8.2	8.2	8.2	6.1	4.1	2.0	0.0	0.0
85°	8.2	8.2	8.2	8.2	8.2	8.2	6.1	4.1	2.0	0.0	0.0
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	6.1	4.1	2.0	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

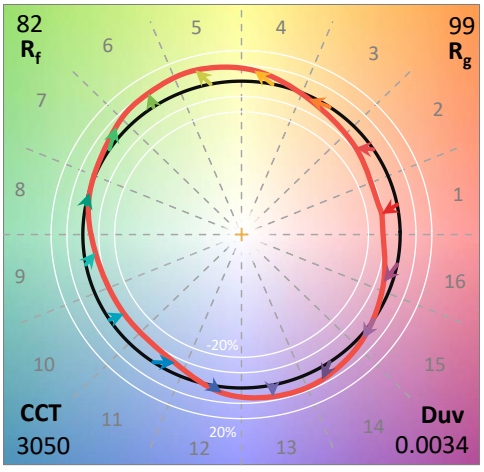
Test Information

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

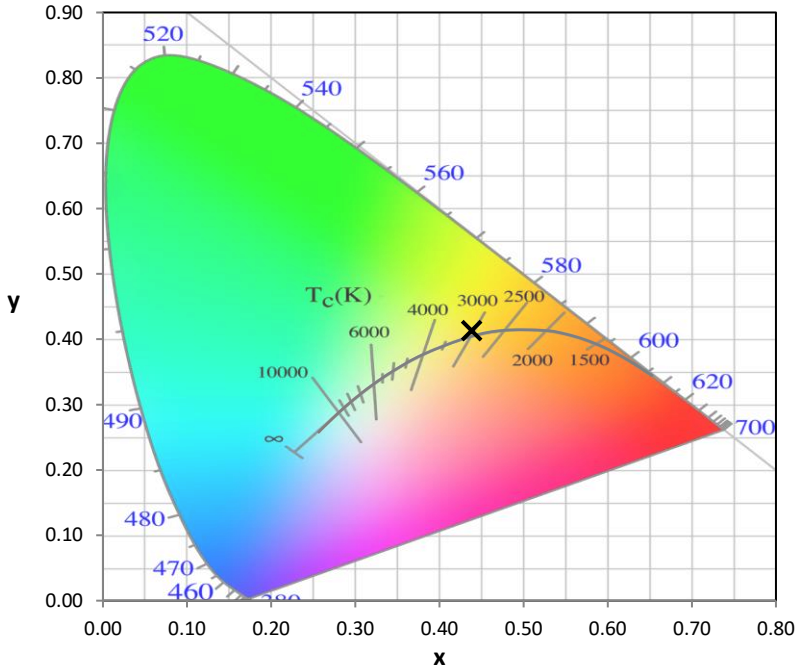
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

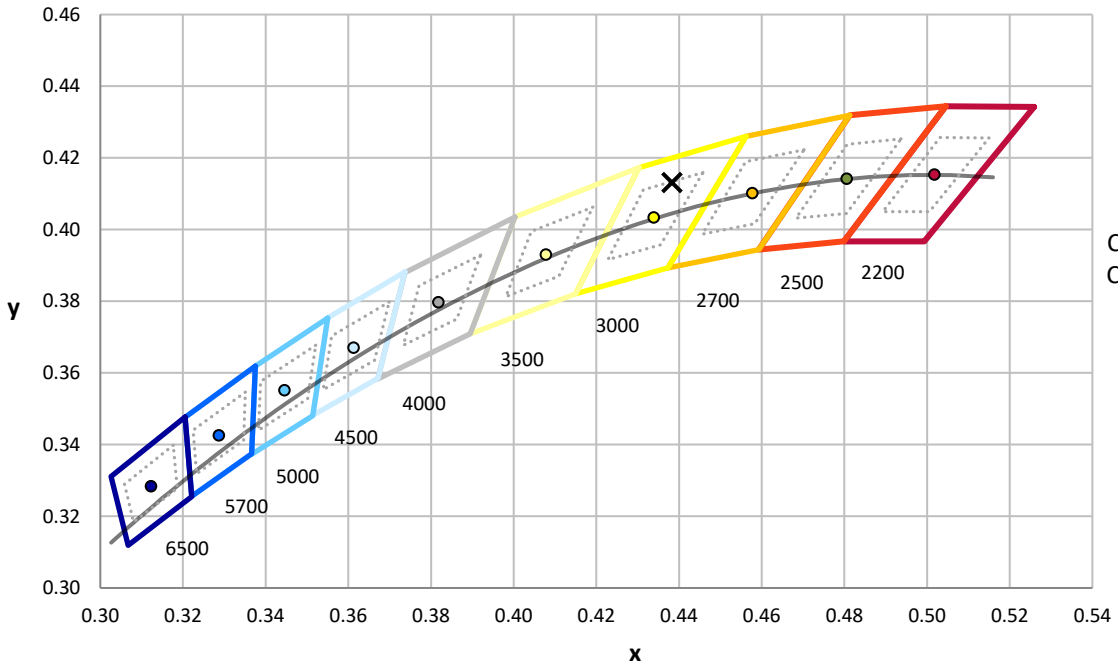
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

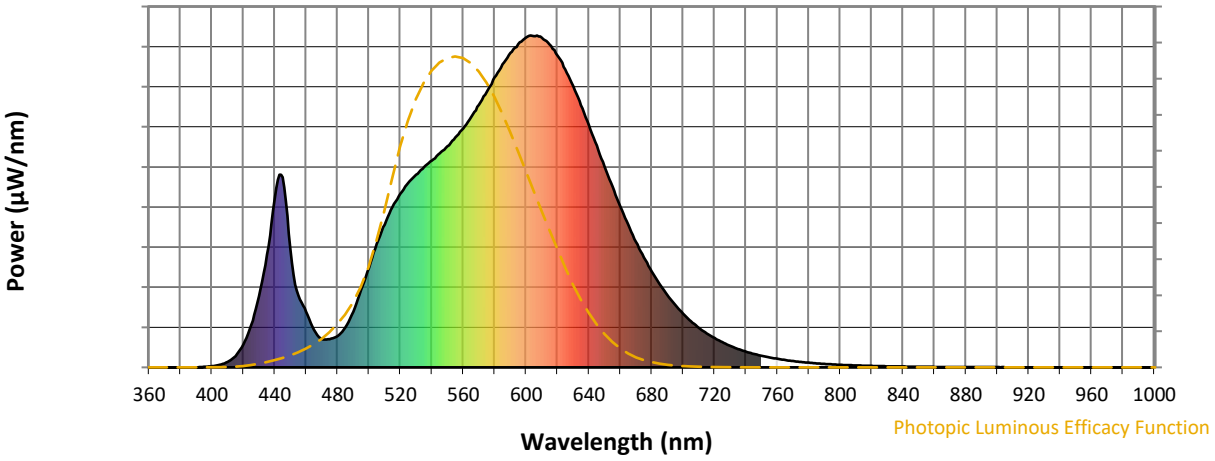


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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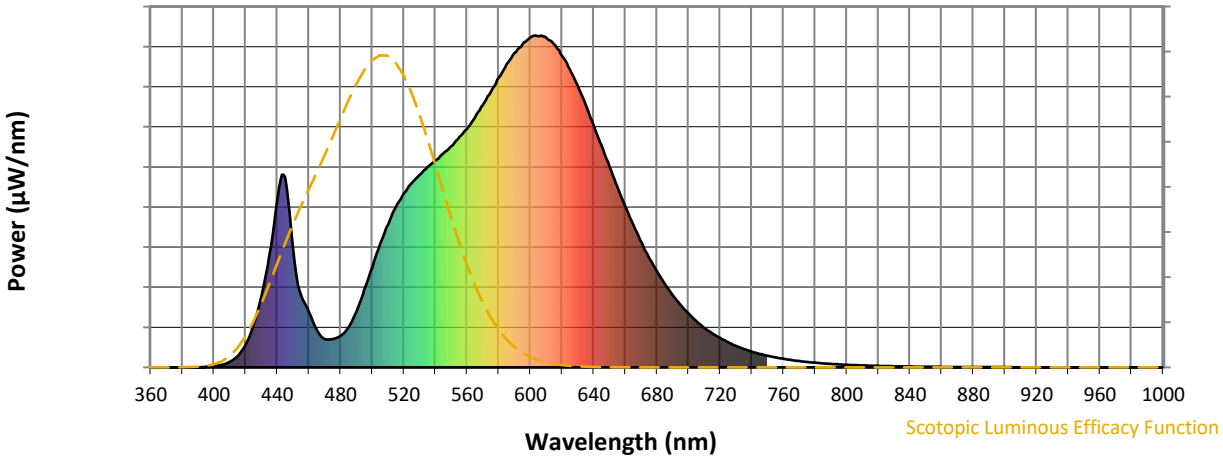
Scotopic Flux vs. Wavelength



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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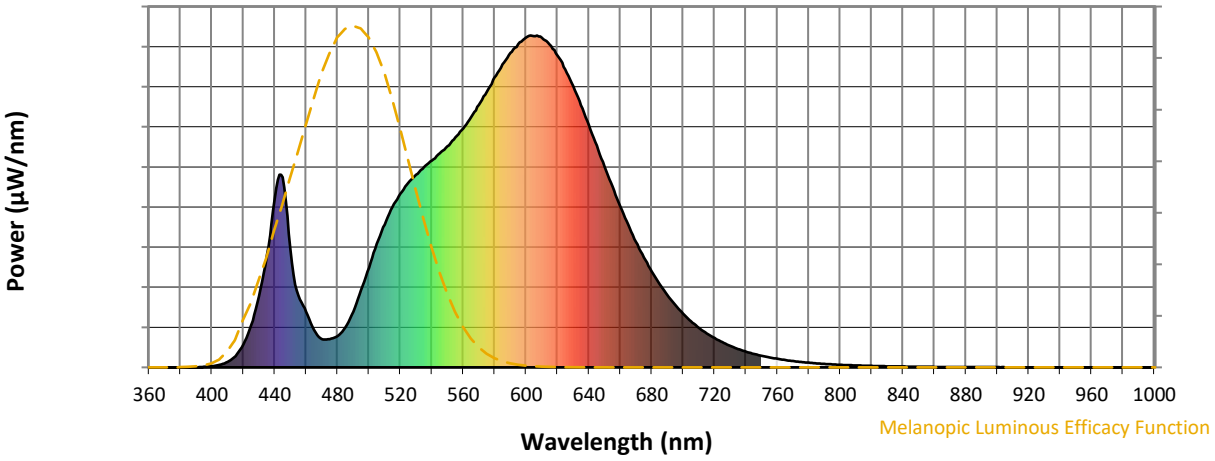
Melanopic Flux vs. Wavelength



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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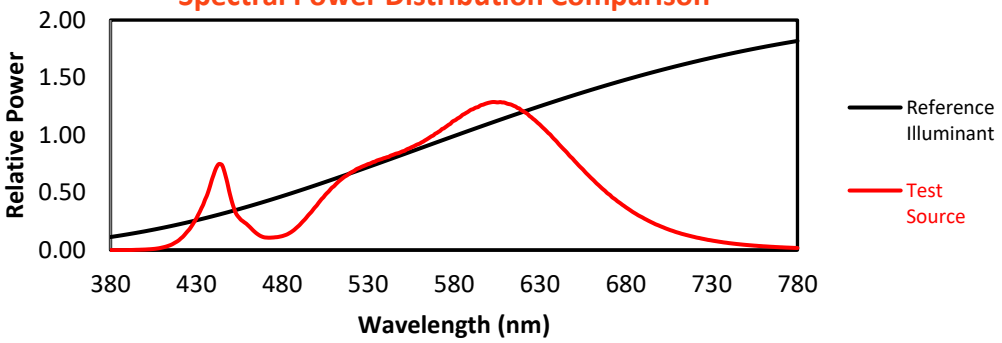
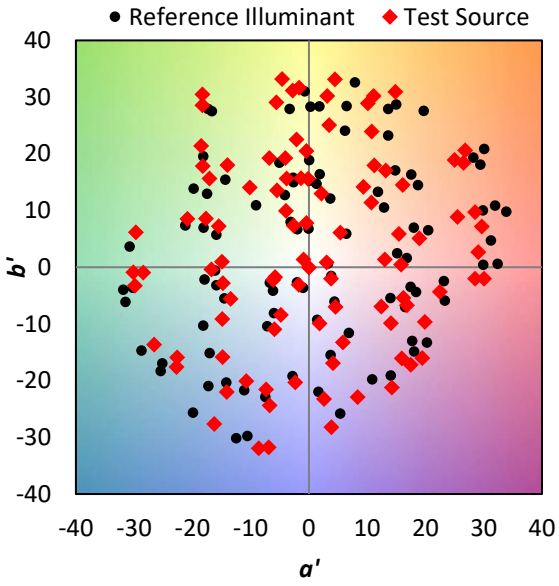
Summary

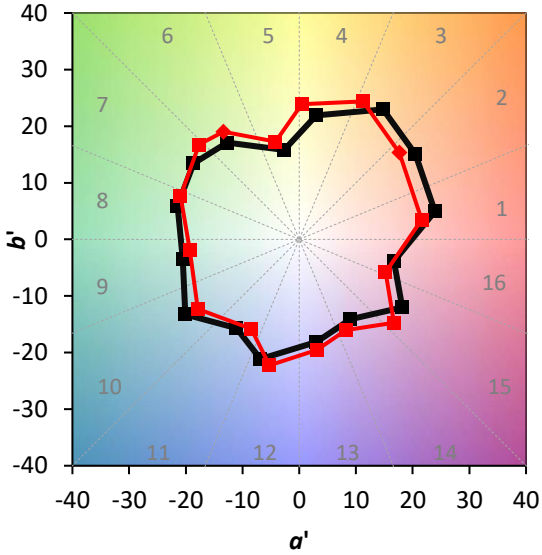
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

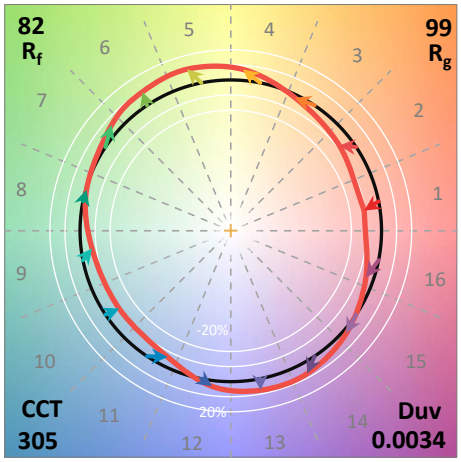
Spectral Power Distribution Comparison

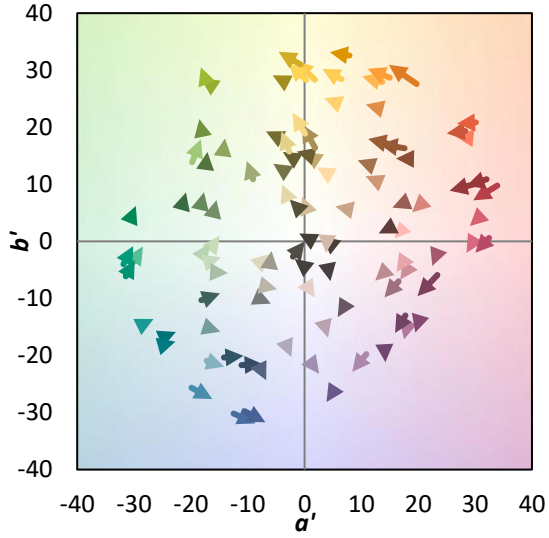


Color Vector Graphics









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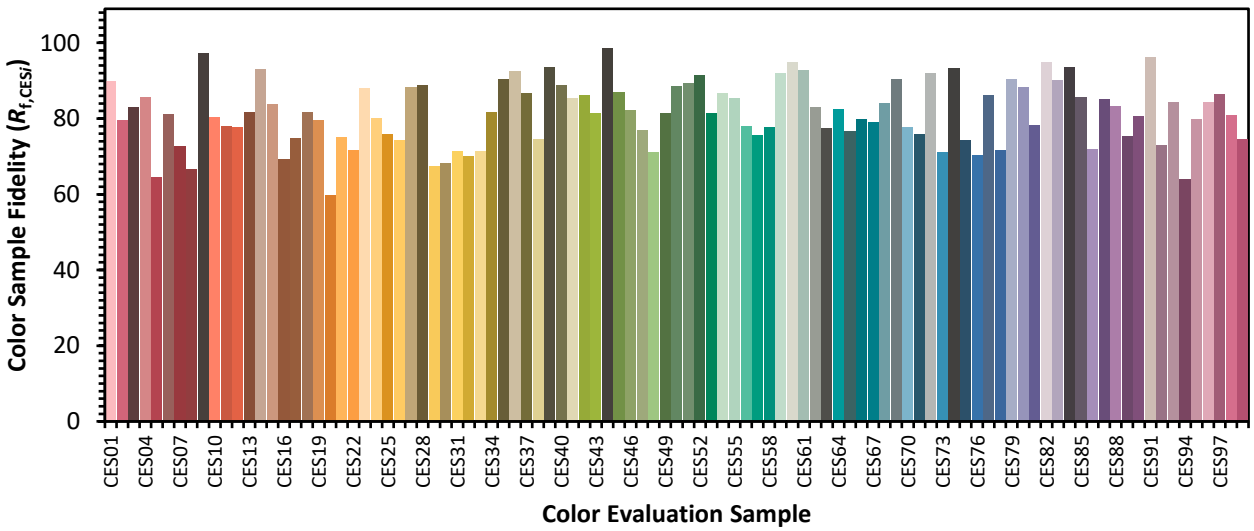
Individual Sample Fidelity Index ($R_{f,i}$)

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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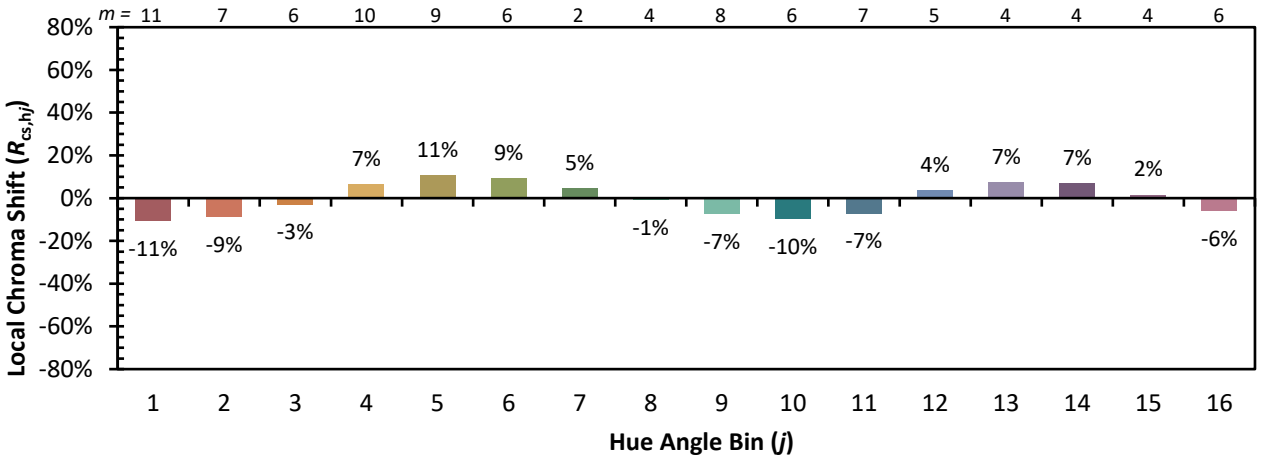
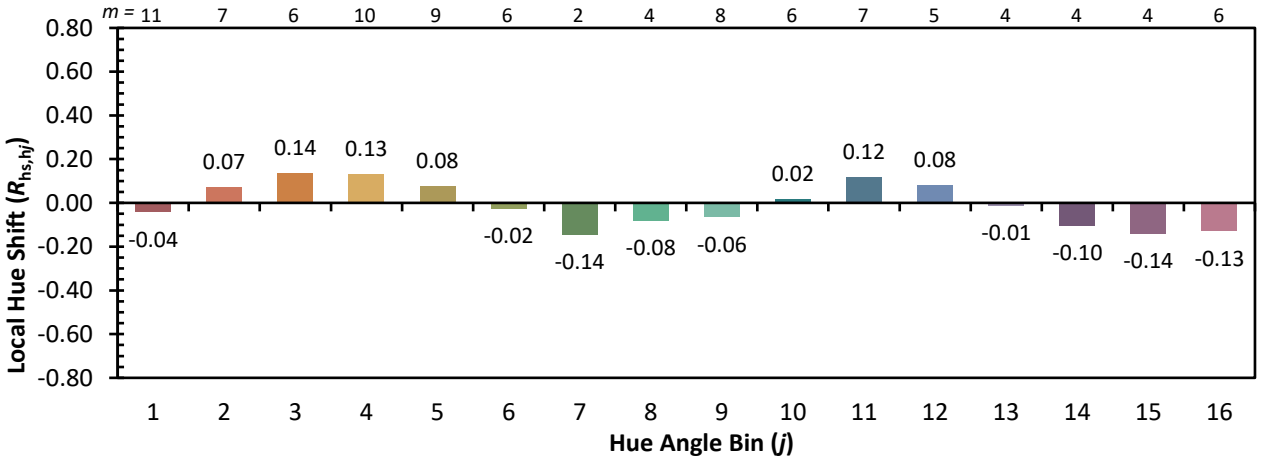
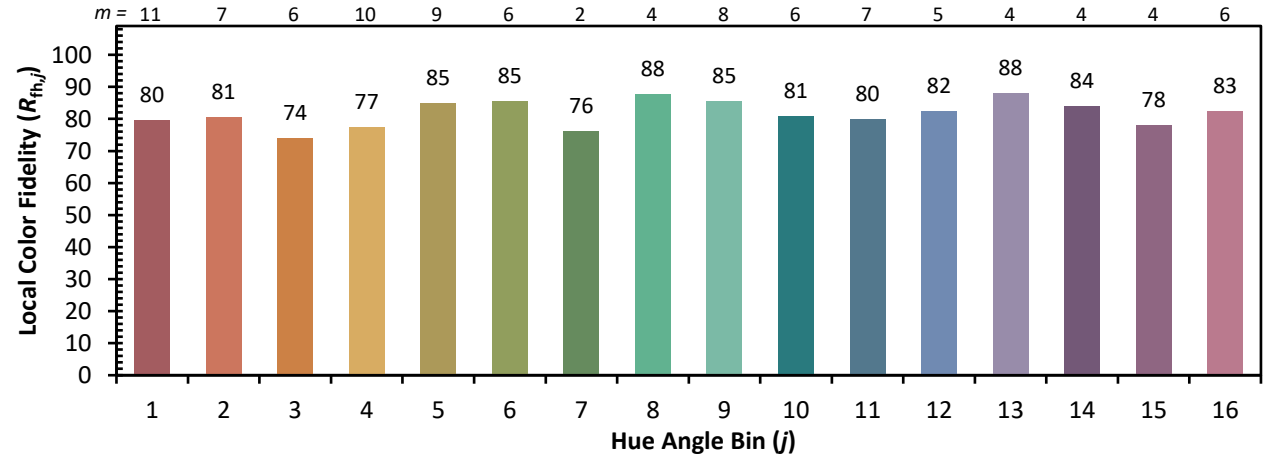
Color Rendition by Hue-Angle Bin







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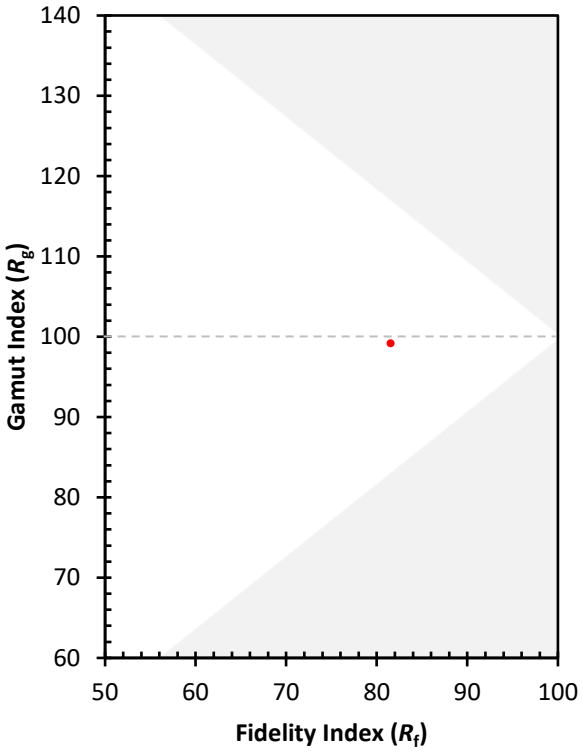
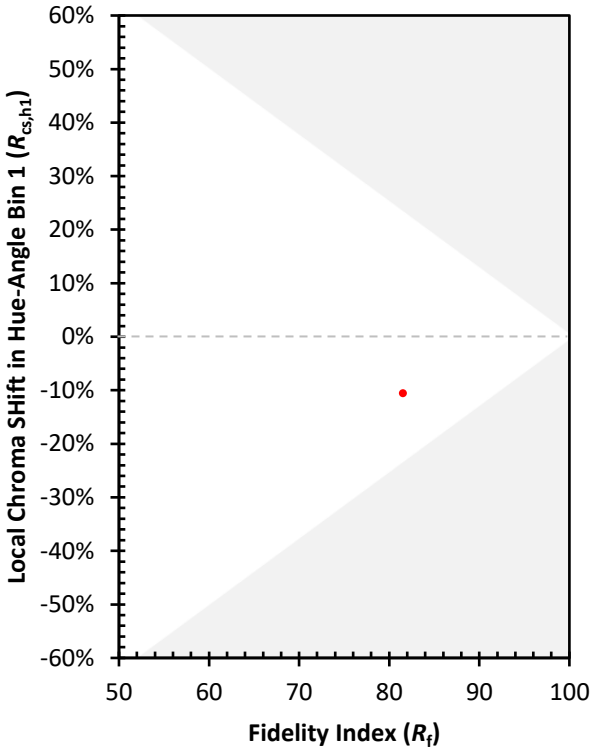
Measure Comparisons





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