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: P643908

Luminaire Tested: GWS-SA6F-830-U-AFL-W-GRSWH

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:	P643908
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-AFL-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35867.8 lumens
Efficiency:	N/A
Efficacy:	96.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	372.6
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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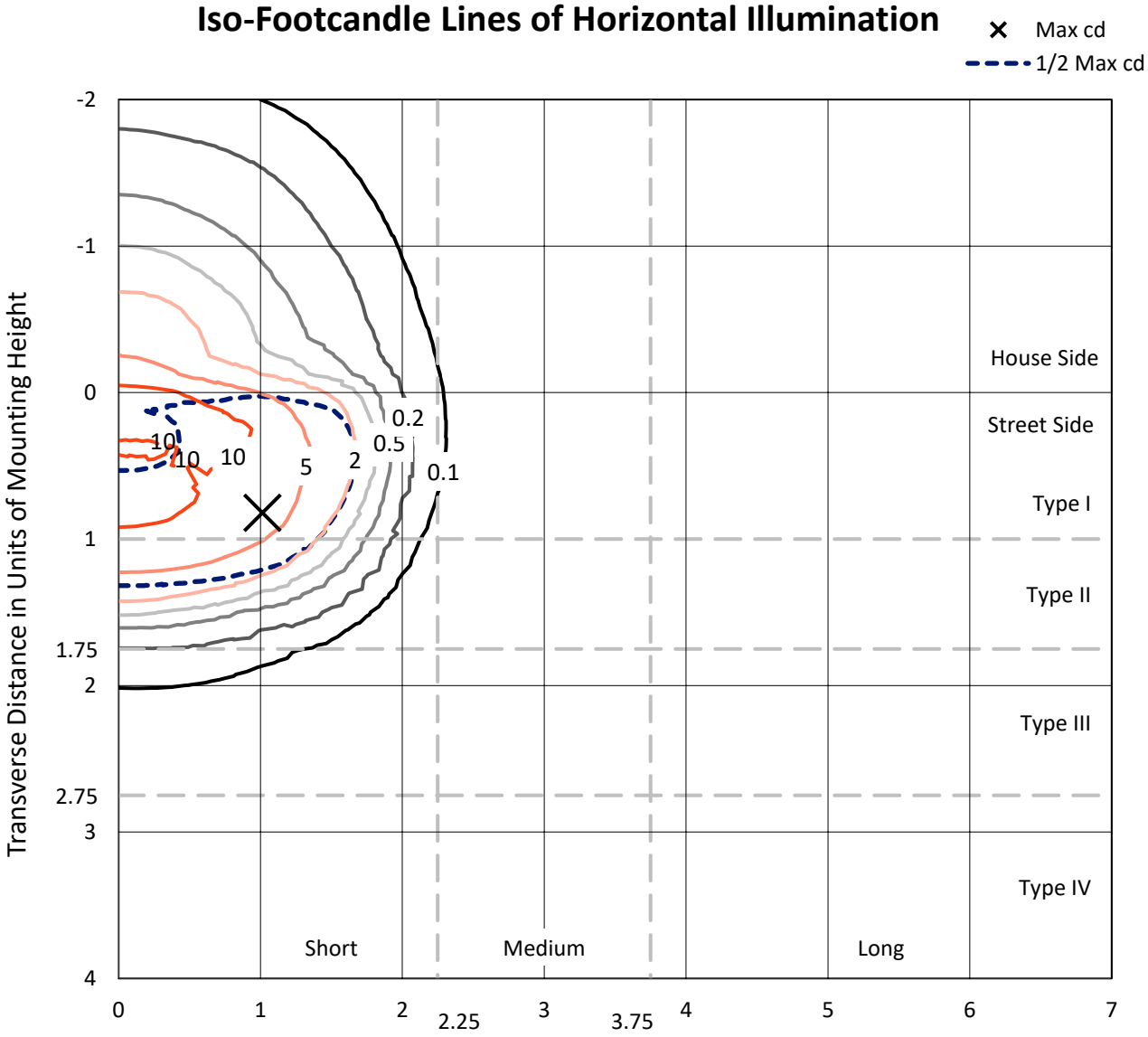
Scaled Data Report

REPORT NUMBER: P643908
CATALOG NUMBER: GWS-SA6F-830-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 14.5 fc
Type II - Short - N/A

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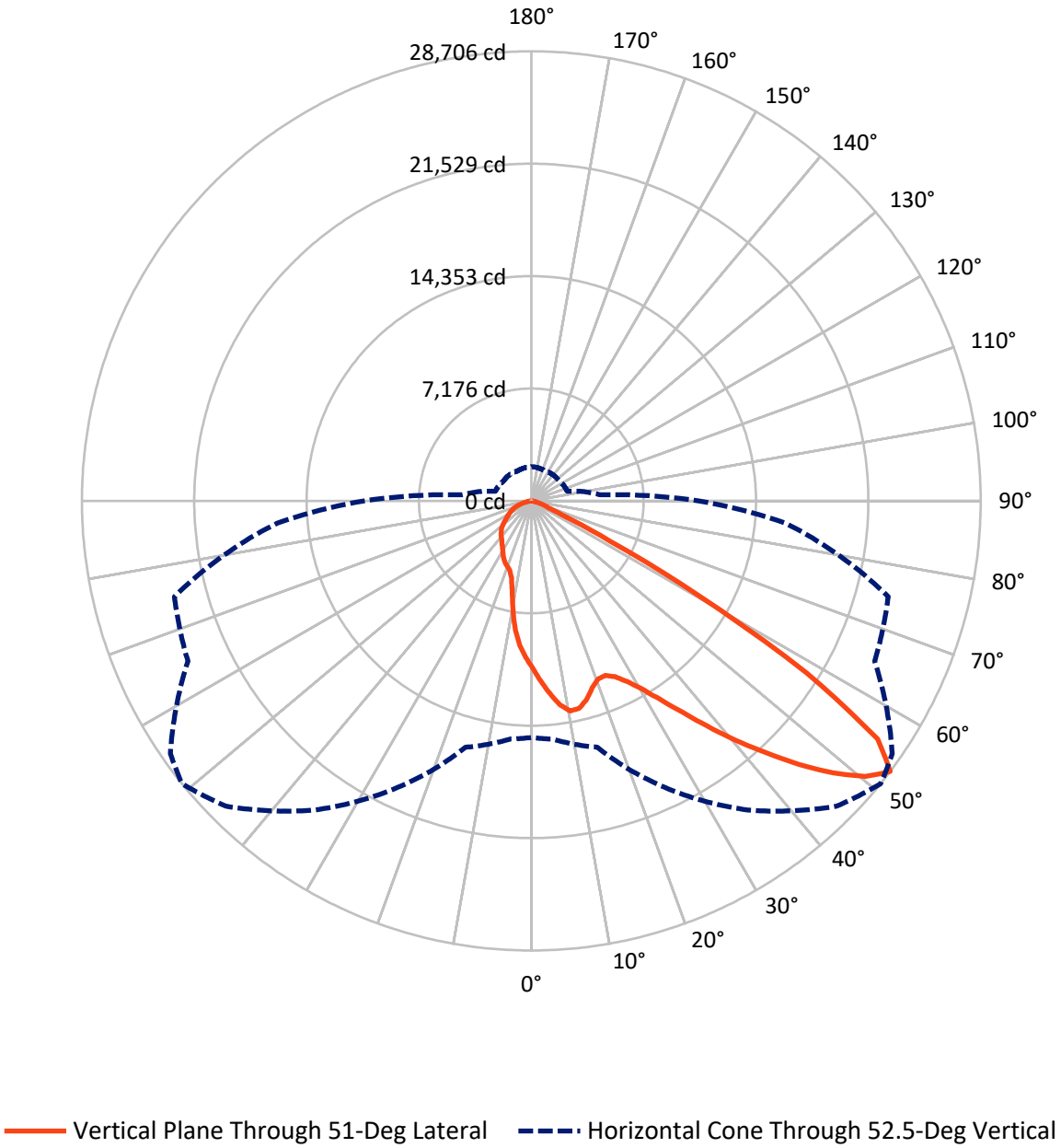
Luminous Intensity Polar Plot



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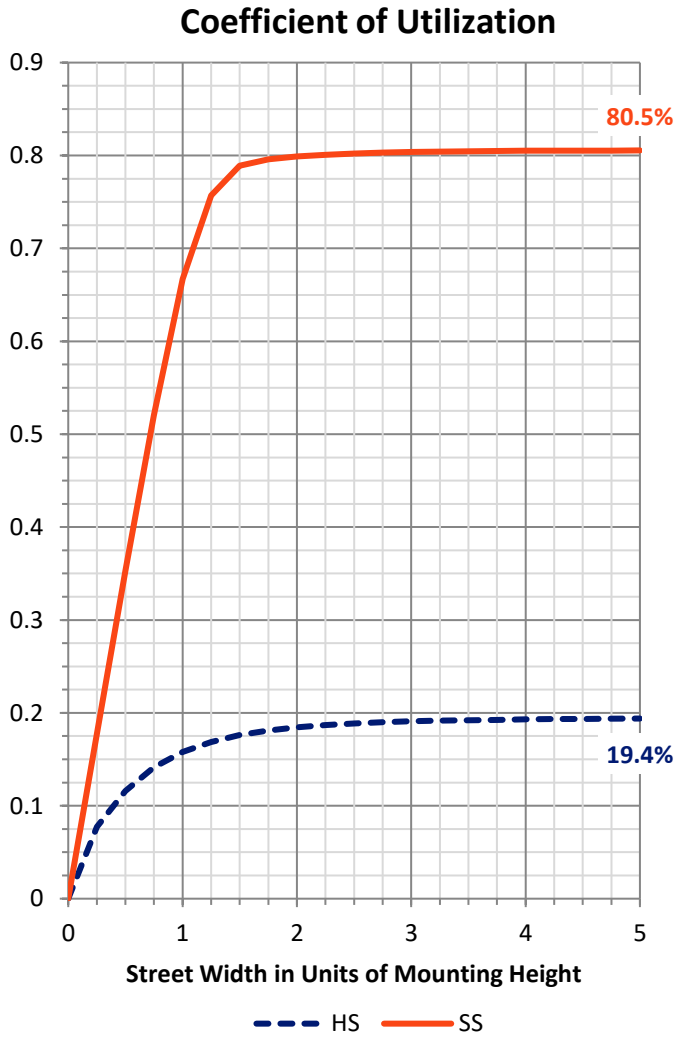
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6988.6	0.0	6988.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	28879.2	0.0	28879.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	35867.8	0.0	35867.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	996.6	2.8
10°-20°	2589.5	7.2
20°-30°	4210.2	11.7
30°-40°	6672.3	18.6
40°-50°	10063.3	28.1
50°-60°	8705.5	24.3
60°-70°	1973.6	5.5
70°-80°	581.9	1.6
80°-90°	75.0	0.2
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°	35867.8	100.0
0°-180°	35867.8	100.0



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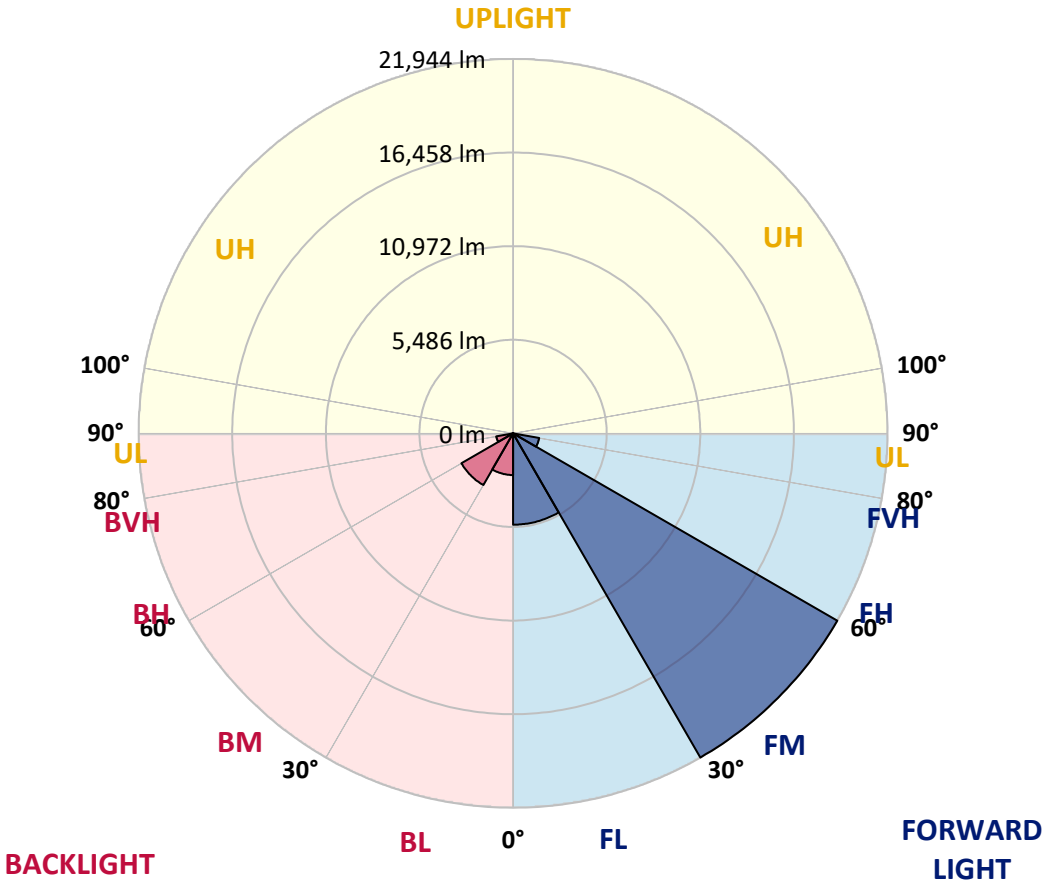
REPORT NUMBER: P643908
CATALOG NUMBER: GWS-SA6F-830-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5353.4	14.9			
FM	(30°-60°)	21944.4	61.2			
FH	(60°-80°)	1553.2	4.3			G1/1800
FVH	(80°-90°)	28.2	0.1			G1/100
BL	(0°-30°)	2442.9	6.8	B3/2500		
BM	(30°-60°)	3496.6	9.7	B3/5000		
BH	(60°-80°)	1002.3	2.8	B3/2500		G3/2500
BVH	(80°-90°)	46.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P643908
CATALOG NUMBER: GWS-SA6F-830-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6
2.5°	11901.2	11969.2	11864.4	11824.7	11759.5	11646.1	11515.8	11478.9	11198.3	11014.1	10807.2
5°	13097.3	13134.1	13049.1	12964.1	12802.5	12601.3	12349.0	12295.2	11785.0	11362.7	10923.4
7.5°	13363.7	13349.5	13423.2	13471.4	13451.6	13372.2	13148.3	13043.4	12434.1	11765.2	11116.1
10°	12309.4	12230.0	12502.1	12825.2	13213.5	13661.3	13635.8	13627.3	13097.3	12306.5	11362.7
12.5°	10912.0	10872.4	11093.4	11498.7	12232.8	13224.8	13596.1	13885.2	13695.3	12822.4	11637.6
15°	10112.8	10098.6	10248.8	10540.8	11124.6	12377.4	13171.0	13743.5	14208.3	13375.1	11929.6
17.5°	9968.2	9976.7	10027.7	10195.0	10614.4	11646.1	12564.4	13363.7	14608.0	13981.6	12295.2
20°	10390.5	10447.2	10359.4	10384.9	10611.6	11382.5	12150.6	12981.1	14863.1	14591.0	12689.2
22.5°	11328.7	11308.8	11116.1	11002.7	11005.6	11544.1	12105.3	12802.5	15030.3	15183.3	13046.3
25°	12391.5	12368.9	12139.3	11887.0	11728.3	11983.4	12431.2	12992.4	15180.5	15724.7	13332.5
27.5°	13647.1	13576.3	13321.2	12998.1	12646.6	12757.2	13060.4	13505.4	15412.9	16257.5	13522.4
30°	14863.1	14945.3	14579.6	14197.0	13825.7	13757.7	13933.4	14335.9	15886.2	16881.1	13749.2
32.5°	16475.8	16447.4	16042.1	15543.3	15013.3	14962.3	15101.1	15469.6	16736.5	17742.7	14095.0
35°	18428.6	18434.3	17858.9	17184.3	16430.4	16294.4	16526.8	16883.9	18003.5	18910.4	14642.0
37.5°	20458.0	20449.5	19947.8	19182.5	18153.7	17960.9	18227.4	18493.8	19587.8	20500.5	15492.3
40°	21880.8	21937.5	21702.2	21299.7	20324.7	19854.3	20089.5	20273.7	21311.1	22371.1	16611.8
42.5°	22688.6	22773.6	22824.6	23065.5	22552.5	22050.8	21965.8	22062.2	22850.1	24108.5	17663.3
45°	22861.4	22974.8	23346.1	24238.9	24437.3	24295.6	24017.8	23785.4	23998.0	25341.5	18352.1
47.5°	22099.0	22297.4	23091.0	24652.7	25811.9	26256.9	25948.0	25593.7	24661.2	25658.9	18281.2
50°	19077.7	19310.1	21098.5	23808.1	26007.5	27628.7	27657.1	27132.7	24581.9	24743.4	17391.3
52.5°	15104.0	15262.7	16285.9	20183.0	24088.7	27572.0	28705.8	28144.6	24199.2	23598.4	16277.4
55°	9027.2	9282.3	10237.5	13315.5	18765.9	24437.3	26852.1	27124.2	24012.2	22637.5	15517.8
57.5°	3046.9	3171.6	4084.2	5881.2	11059.4	17892.9	20747.1	21852.4	21798.6	21169.4	14035.4
60°	1451.2	1479.5	1663.7	2230.6	4427.2	9350.3	12281.0	13556.4	14718.5	14834.7	8732.5
62.5°	1105.4	1122.4	1215.9	1337.8	1779.9	3939.7	5628.9	6603.9	7054.6	6054.1	3180.1
65°	924.0	938.2	1009.0	1085.5	1210.2	1706.2	2159.7	2491.3	2244.8	1748.8	1516.3
67.5°	770.9	782.3	836.1	918.3	1003.3	1142.2	1198.9	1232.9	1292.4	1451.2	1394.5
70°	603.7	615.0	671.7	742.6	824.8	858.8	912.6	946.7	1065.7	1269.8	1264.1
72.5°	464.8	479.0	510.2	555.5	623.5	657.6	717.1	756.8	824.8	989.2	1057.2
75°	340.1	348.6	377.0	391.1	399.6	391.1	450.7	496.0	586.7	649.1	666.1
77.5°	138.9	155.9	150.2	150.2	178.6	215.4	246.6	274.9	337.3	374.1	377.0
80°	56.7	62.4	73.7	82.2	99.2	127.5	147.4	158.7	187.1	209.7	226.7
82.5°	34.0	36.8	42.5	45.3	56.7	73.7	85.0	93.5	116.2	138.9	147.4
85°	17.0	17.0	19.8	22.7	28.3	34.0	39.7	45.3	59.5	73.7	82.2
87.5°	2.8	2.8	2.8	5.7	8.5	11.3	14.2	17.0	19.8	22.7	28.3
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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Scaled Data Report

REPORT NUMBER: P643908
CATALOG NUMBER: GWS-SA6F-830-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6	10679.6
2.5°	10685.3	10532.3	10353.7	10212.0	10047.6	9925.7	9752.8	9645.1	9543.1	9458.1	9395.7
5°	10696.6	10438.7	10067.4	9738.6	9398.5	9075.4	8743.8	8474.5	8233.6	8032.4	8015.4
7.5°	10761.8	10390.5	9809.5	9234.1	8570.9	7930.4	7289.8	6768.3	6371.5	6164.6	6122.1
10°	10872.4	10384.9	9545.9	8627.6	7496.7	6465.0	5705.4	5308.6	5079.1	4996.9	4968.5
12.5°	10988.6	10370.7	9208.6	7771.6	6201.4	5297.3	4880.7	4832.5	4875.0	4880.7	4877.8
15°	11130.3	10362.2	8783.5	6768.3	5254.8	4756.0	4784.3	4886.3	4985.5	5008.2	5008.2
17.5°	11303.2	10342.4	8205.3	5787.6	4662.4	4651.1	4801.3	4937.3	5030.9	5047.9	5047.9
20°	11484.6	10291.3	7493.9	4988.4	4421.5	4585.9	4747.4	4852.3	4917.5	4940.2	4943.0
22.5°	11609.3	10155.3	6674.8	4396.0	4271.3	4461.2	4577.4	4685.1	4685.1	4628.4	4611.4
25°	11634.8	9863.4	5787.6	3990.7	4092.7	4268.5	4387.5	4325.1	4208.9	4163.6	4160.7
27.5°	11541.3	9438.2	4911.8	3701.6	3877.3	4053.0	4033.2	3942.5	3891.5	3846.1	3863.1
30°	11427.9	8928.0	4152.2	3463.5	3627.9	3800.8	3732.8	3701.6	3664.7	3613.7	3625.1
32.5°	11351.4	8358.3	3568.4	3279.3	3460.7	3489.0	3537.2	3534.4	3500.4	3404.0	3398.3
35°	11374.0	7783.0	3177.2	3129.1	3321.8	3310.5	3401.2	3384.2	3148.9	3015.7	3007.2
37.5°	11555.4	7230.3	2947.7	3010.0	3100.7	3171.6	3250.9	3046.9	2964.7	2879.6	2885.3
40°	11901.2	6717.3	2823.0	2944.8	2967.5	3072.4	2888.1	2885.3	2848.5	2771.9	2769.1
42.5°	12292.3	6283.6	2737.9	2913.7	2882.5	2902.3	2706.8	2729.4	2726.6	2678.4	2664.2
45°	12530.4	5884.0	2669.9	2797.5	2806.0	2607.6	2548.0	2573.5	2587.7	2562.2	2559.4
47.5°	12283.8	5424.8	2599.1	2618.9	2692.6	2474.3	2400.7	2403.5	2429.0	2431.8	2420.5
50°	11592.3	4911.8	2514.0	2465.8	2417.7	2335.5	2267.4	2253.3	2278.8	2304.3	2312.8
52.5°	*10699.5*	*4421.5*	*2372.3*	*2298.6*	*2185.2*	*2185.2*	*2154.1*	*2108.7*	*2142.7*	*2176.7*	*2188.1*
55°	10044.8	4058.7	2171.1	2088.9	1964.2	2006.7	2001.0	1961.3	2006.7	2032.2	2040.7
57.5°	8704.1	3262.3	1910.3	1884.8	1779.9	1831.0	1842.3	1791.3	1768.6	1774.3	1782.8
60°	5166.9	2105.9	1723.3	1720.4	1626.9	1686.4	1720.4	1669.4	1601.4	1609.9	1621.2
62.5°	2318.5	1609.9	1488.0	1476.7	1473.8	1550.4	1587.2	1539.0	1442.7	1451.2	1462.5
65°	1459.7	1391.6	1292.4	1292.4	1337.8	1403.0	1431.3	1391.6	1281.1	1266.9	1278.3
67.5°	1354.8	1295.3	1193.2	1173.4	1196.1	1249.9	1252.8	1176.2	1111.0	1099.7	1099.7
70°	1215.9	1170.6	1071.4	1031.7	1023.2	1020.3	1011.8	992.0	949.5	938.2	943.8
72.5°	1006.2	975.0	912.6	870.1	847.5	844.6	810.6	793.6	756.8	751.1	748.3
75°	666.1	674.6	674.6	668.9	649.1	640.6	603.7	586.7	544.2	527.2	524.3
77.5°	394.0	402.5	413.8	416.6	413.8	413.8	379.8	360.0	317.4	294.8	289.1
80°	240.9	246.6	252.3	260.8	249.4	240.9	209.7	189.9	170.1	155.9	153.1
82.5°	155.9	161.6	164.4	170.1	164.4	153.1	127.5	116.2	102.0	90.7	87.9
85°	87.9	90.7	96.4	96.4	87.9	79.4	65.2	56.7	48.2	42.5	42.5
87.5°	31.2	31.2	31.2	34.0	28.3	25.5	17.0	11.3	8.5	8.5	8.5
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

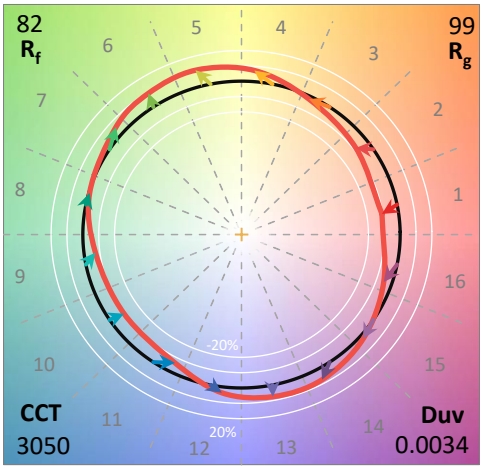
Test Information

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

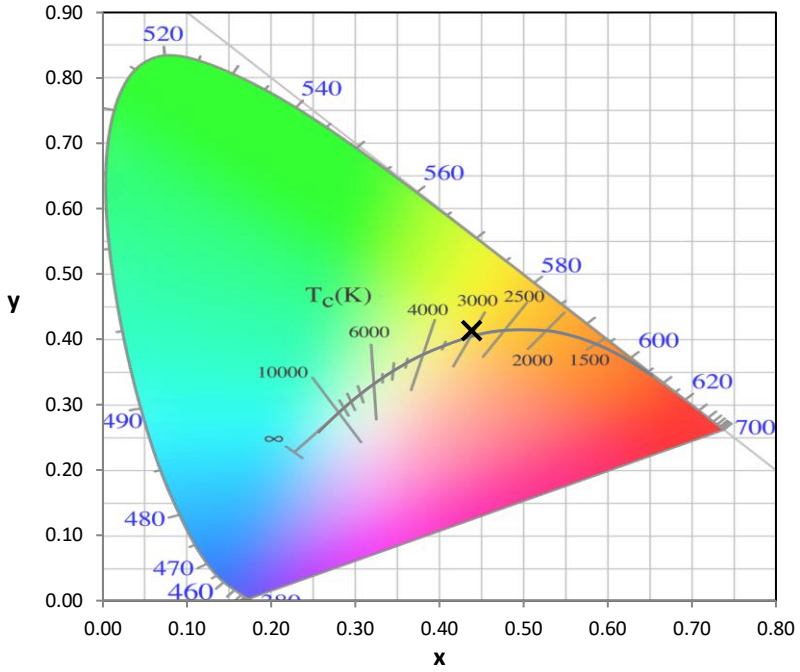
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

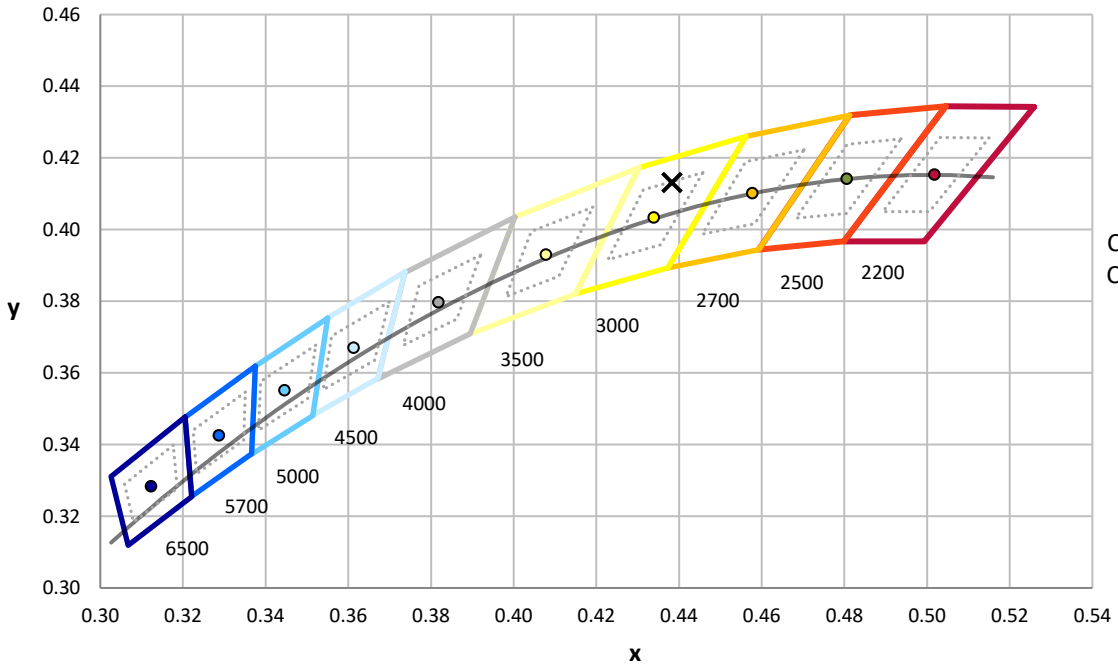
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

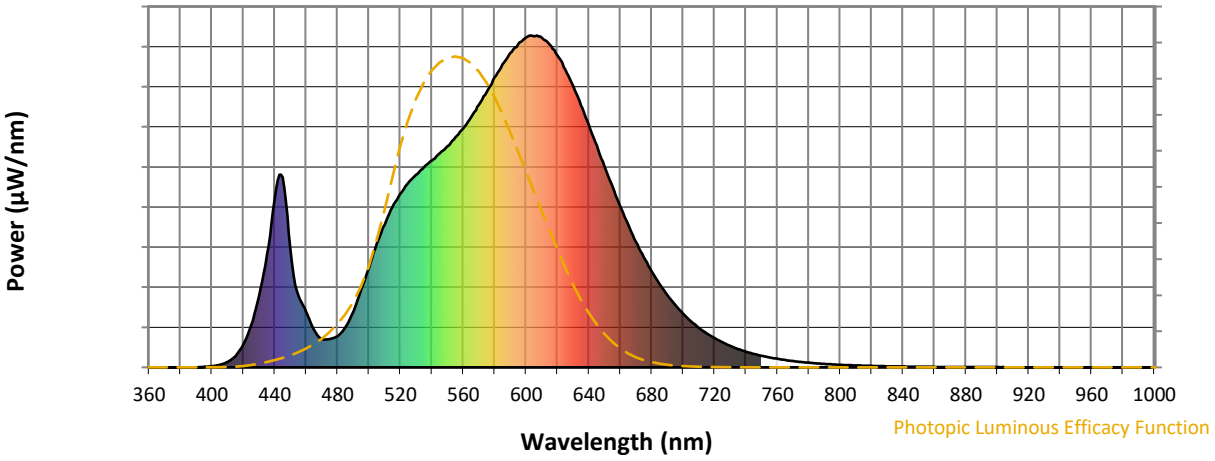


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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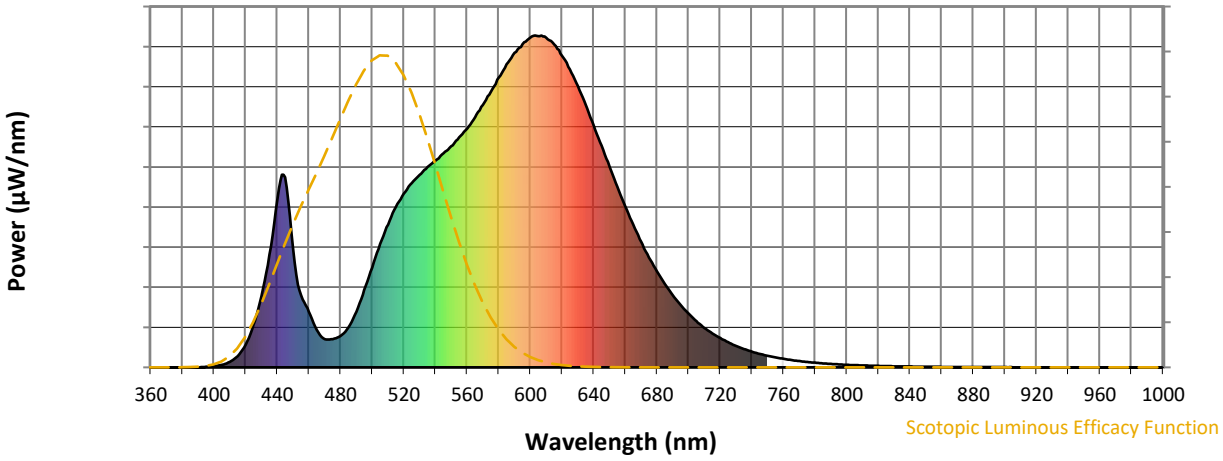
Scotopic Flux vs. Wavelength



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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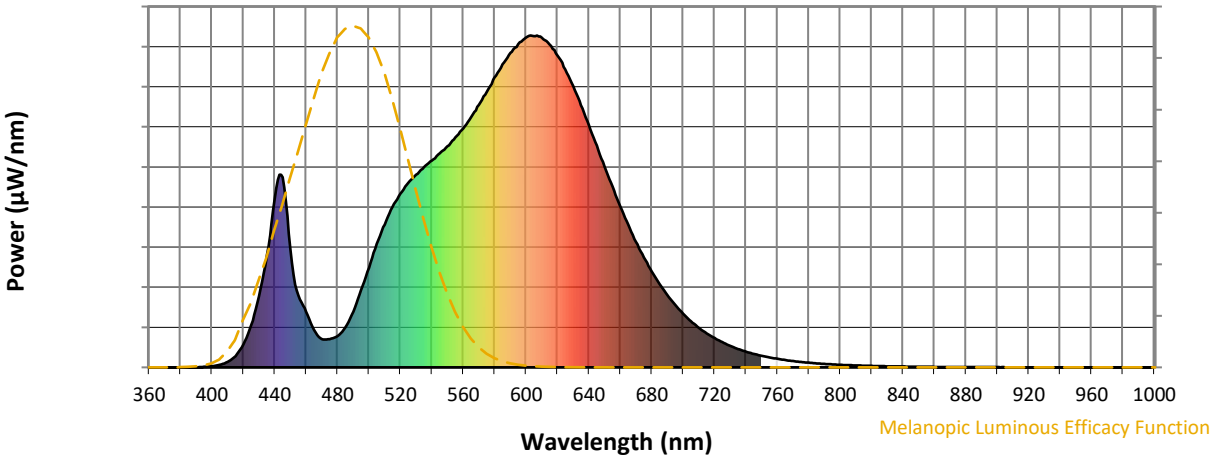
Melanopic Flux vs. Wavelength



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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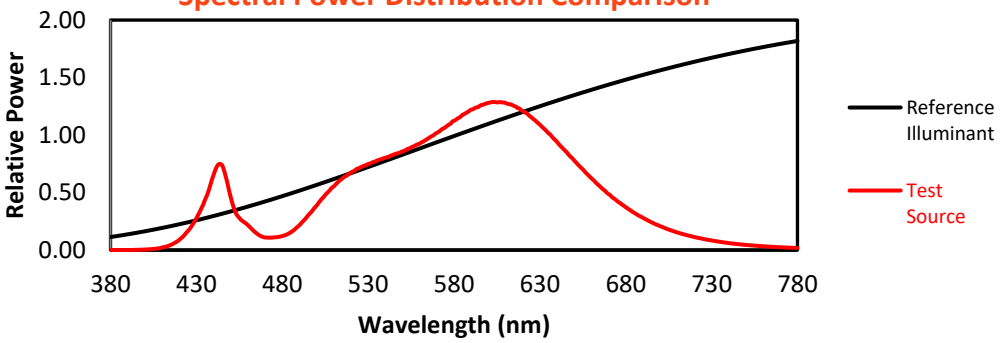
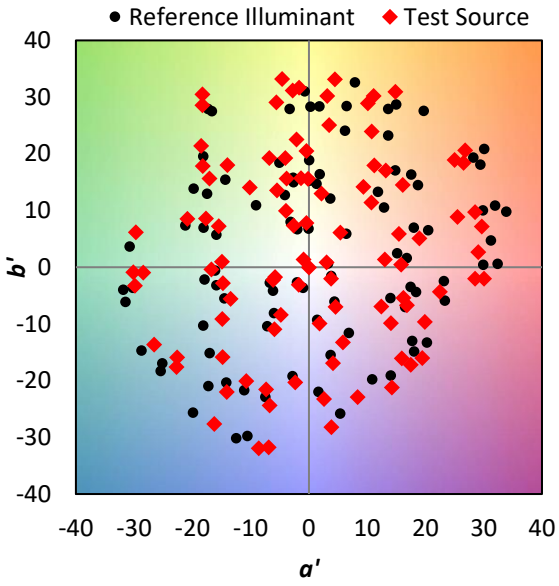
Summary

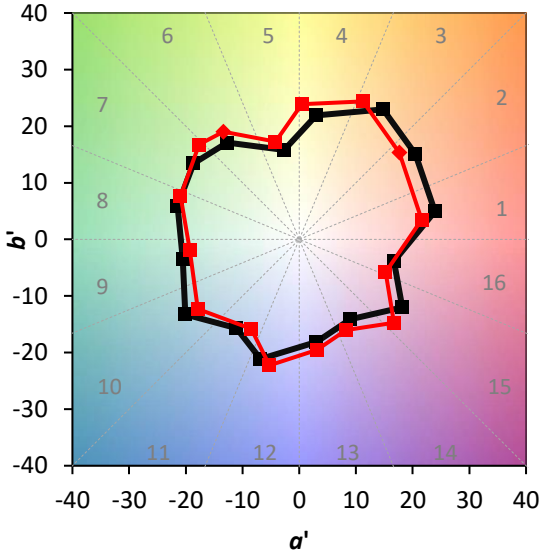
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

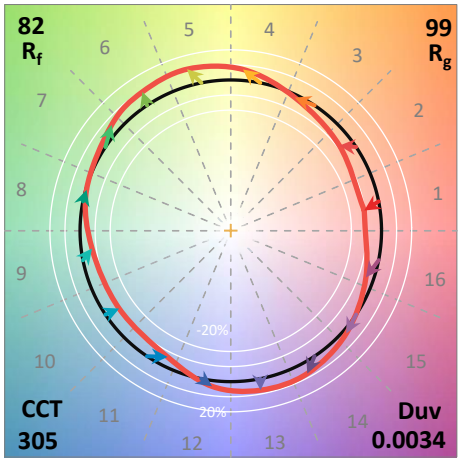
Spectral Power Distribution Comparison

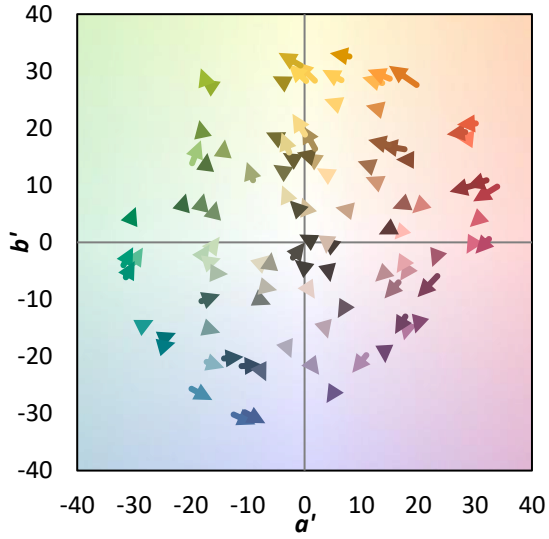


Color Vector Graphics









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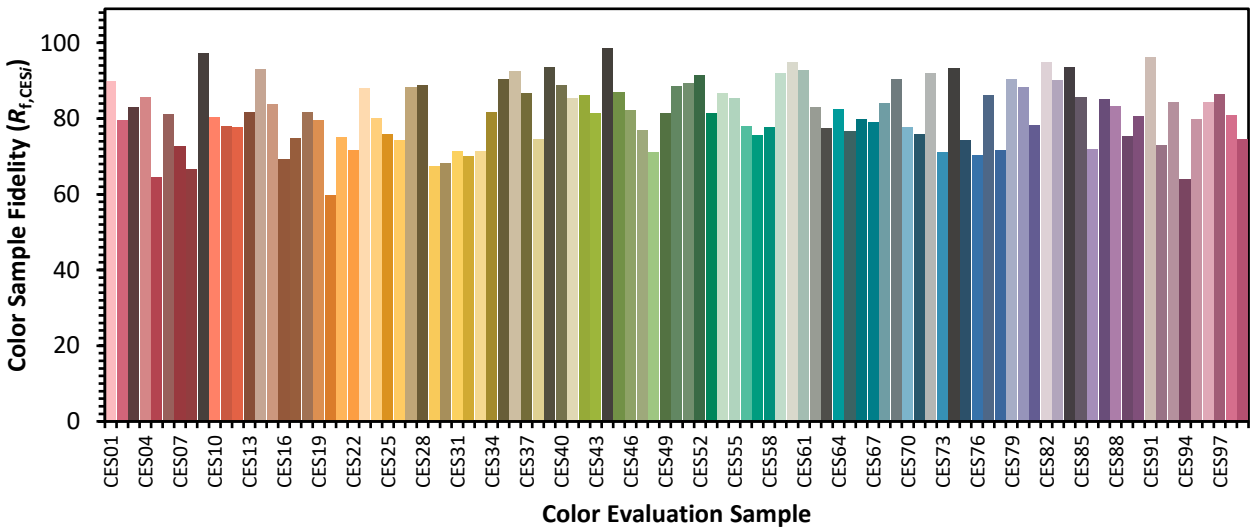
Individual Sample Fidelity Index ($R_{f,i}$)

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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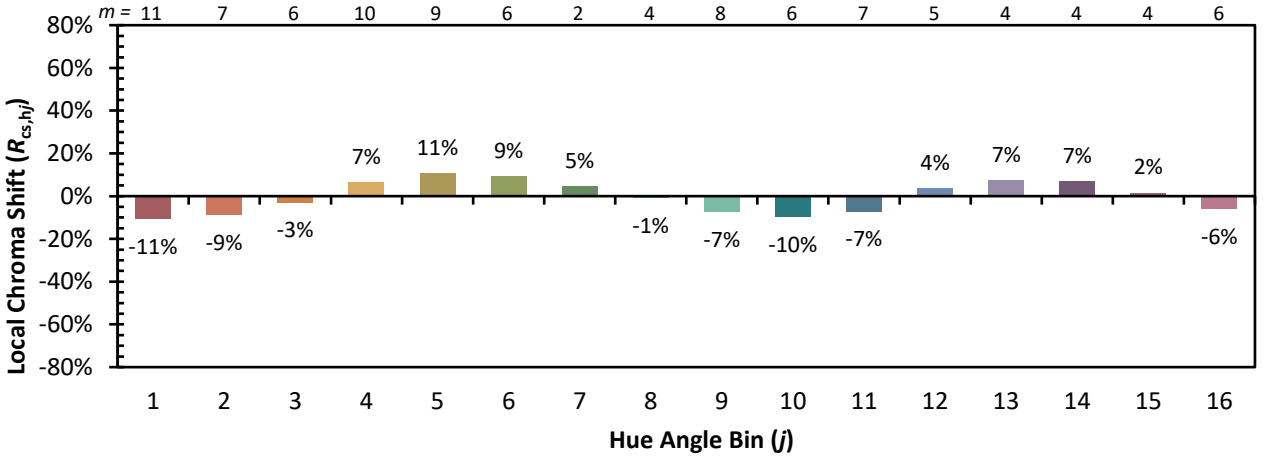
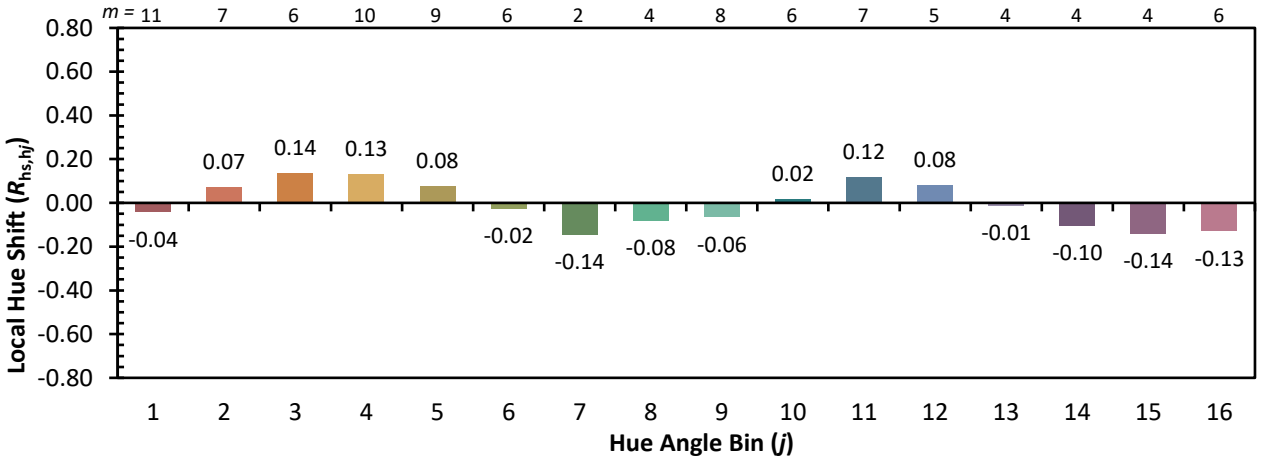
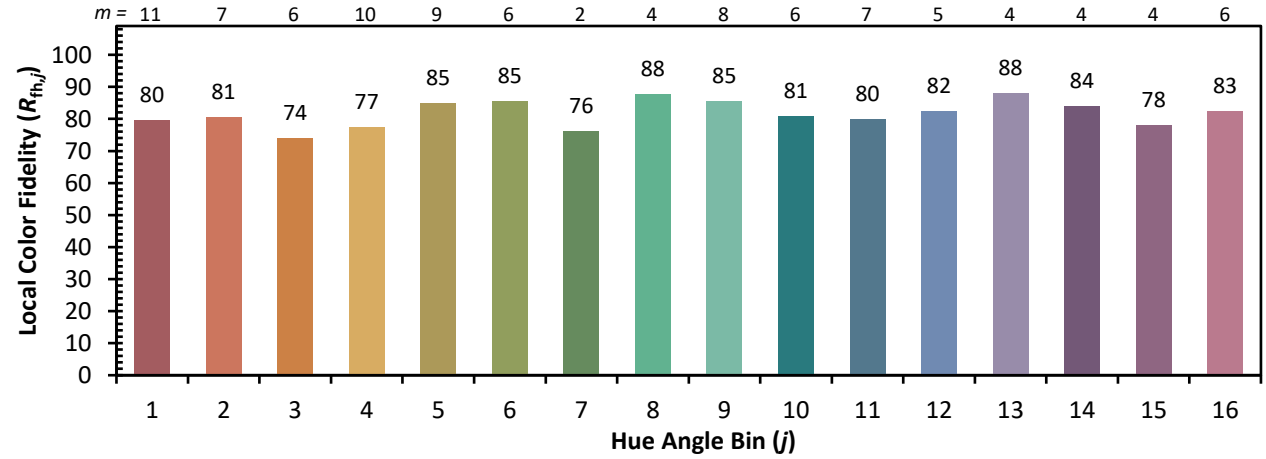
Color Rendition by Hue-Angle Bin







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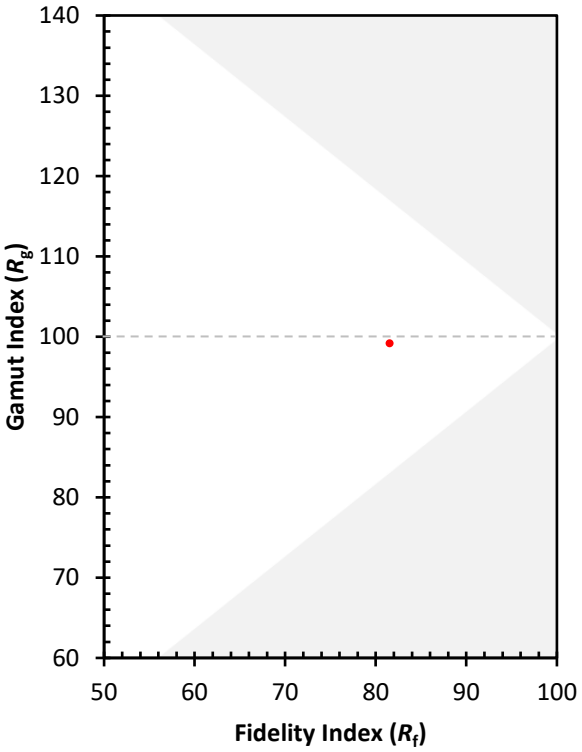
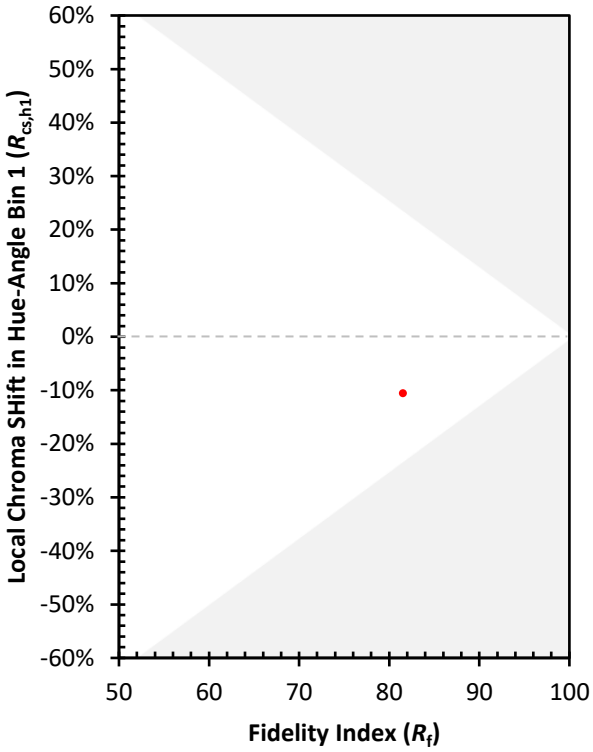
Measure Comparisons





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