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: P629593

Luminaire Tested: GWS-SA1B-830-U-T3R-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:	P629593
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-T3R-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2496.2 lumens
Efficiency:	N/A
Efficacy:	99.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	25
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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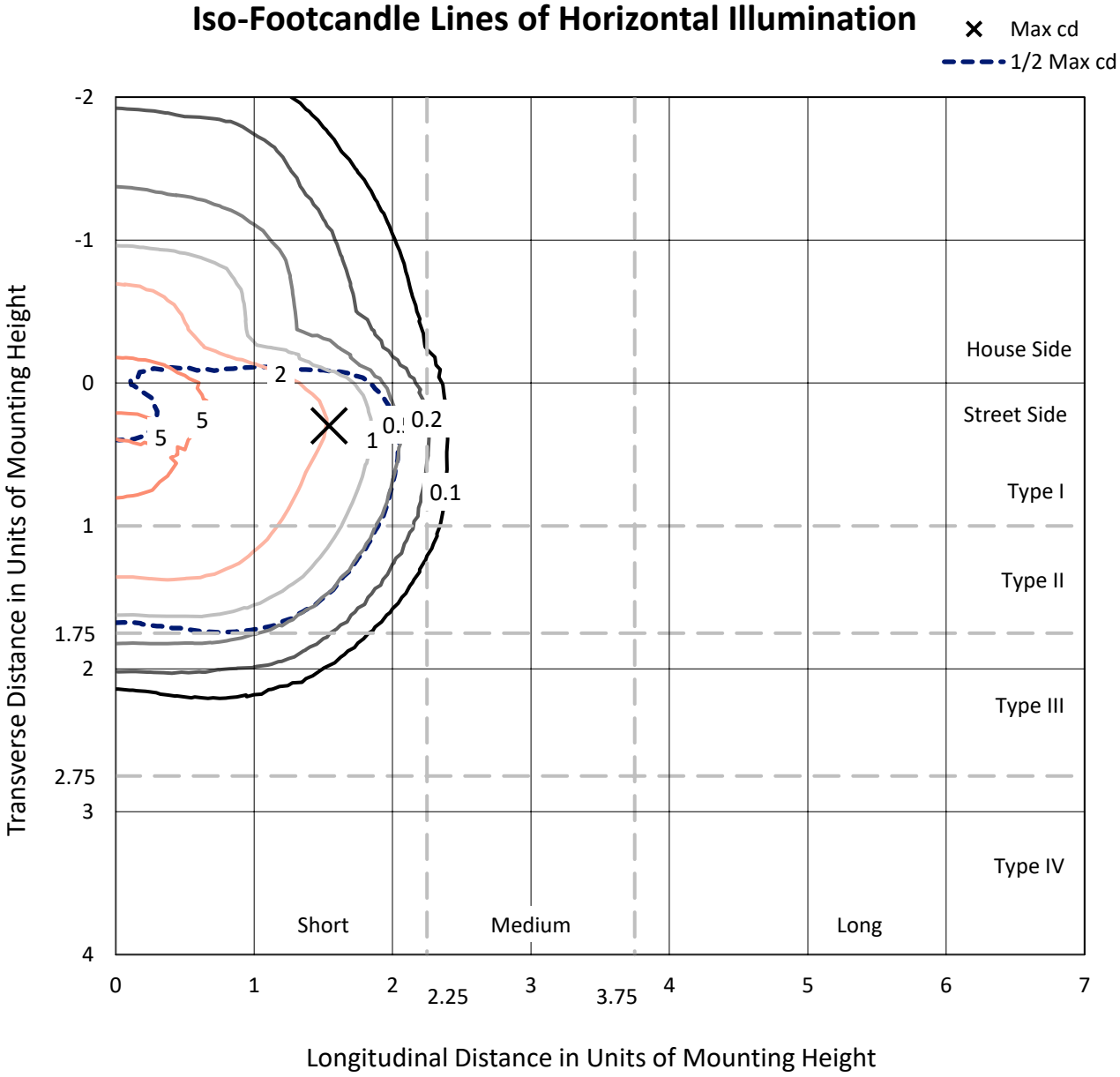
Scaled Data Report

REPORT NUMBER: P629593
CATALOG NUMBER: GWS-SA1B-830-U-T3R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type II - Short - N/A

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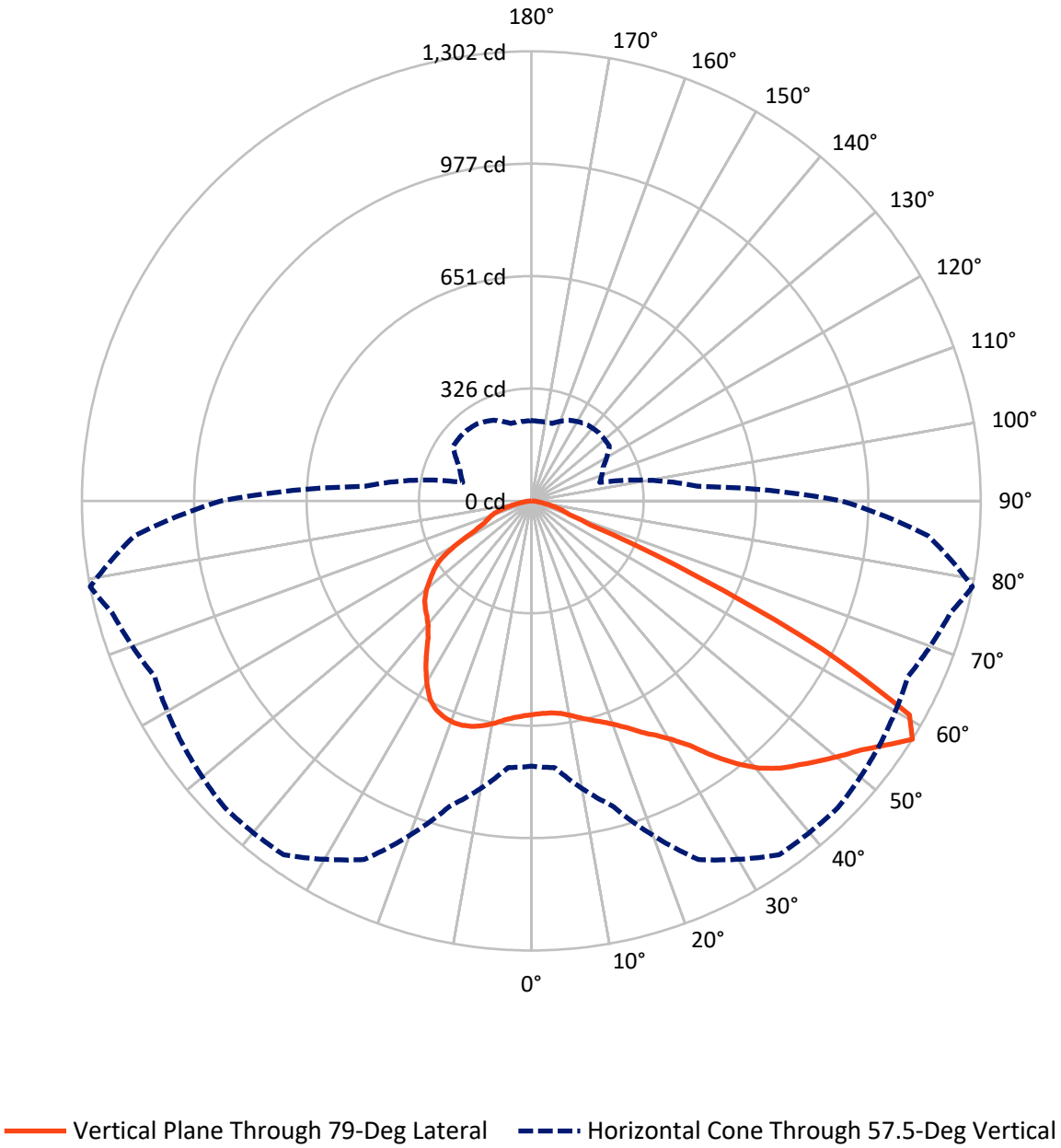
Luminous Intensity Polar Plot



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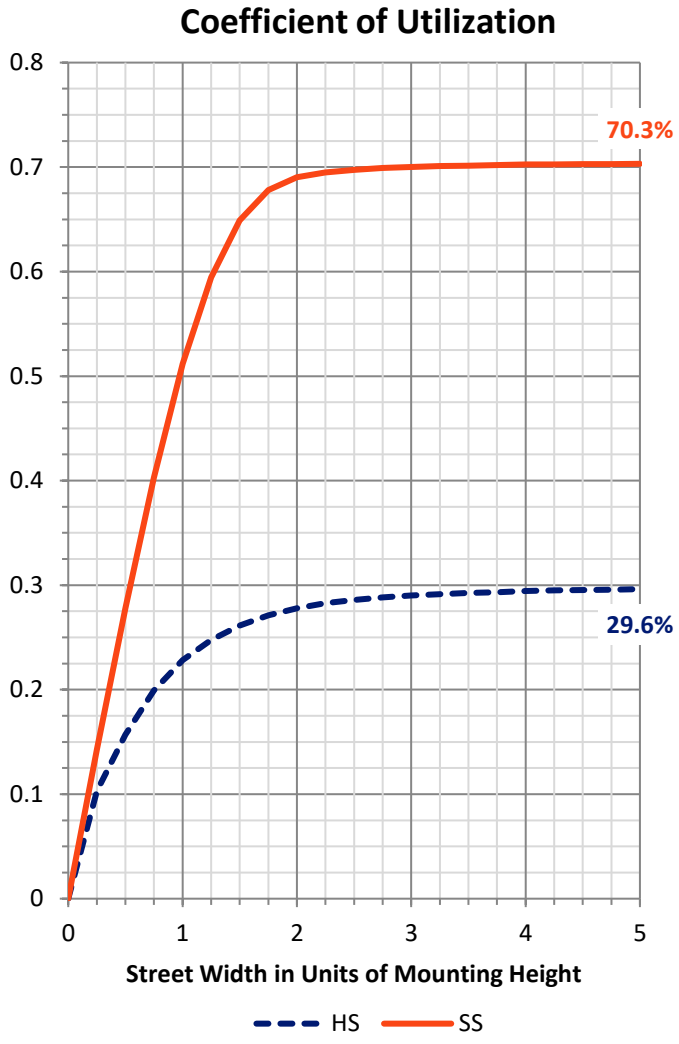
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	742.0	0.0	742.0
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	1754.2	0.0	1754.2
	% Fixture	70.3	0.0	70.3
Total	Lumens	2496.2	0.0	2496.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	2.3
10°-20°	159.2	6.4
20°-30°	269.9	10.8
30°-40°	413.1	16.5
40°-50°	550.8	22.1
50°-60°	636.1	25.5
60°-70°	330.5	13.2
70°-80°	70.3	2.8
80°-90°	9.1	0.4
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°	2496.2	100.0
0°-180°	2496.2	100.0



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REPORT NUMBER: P629593
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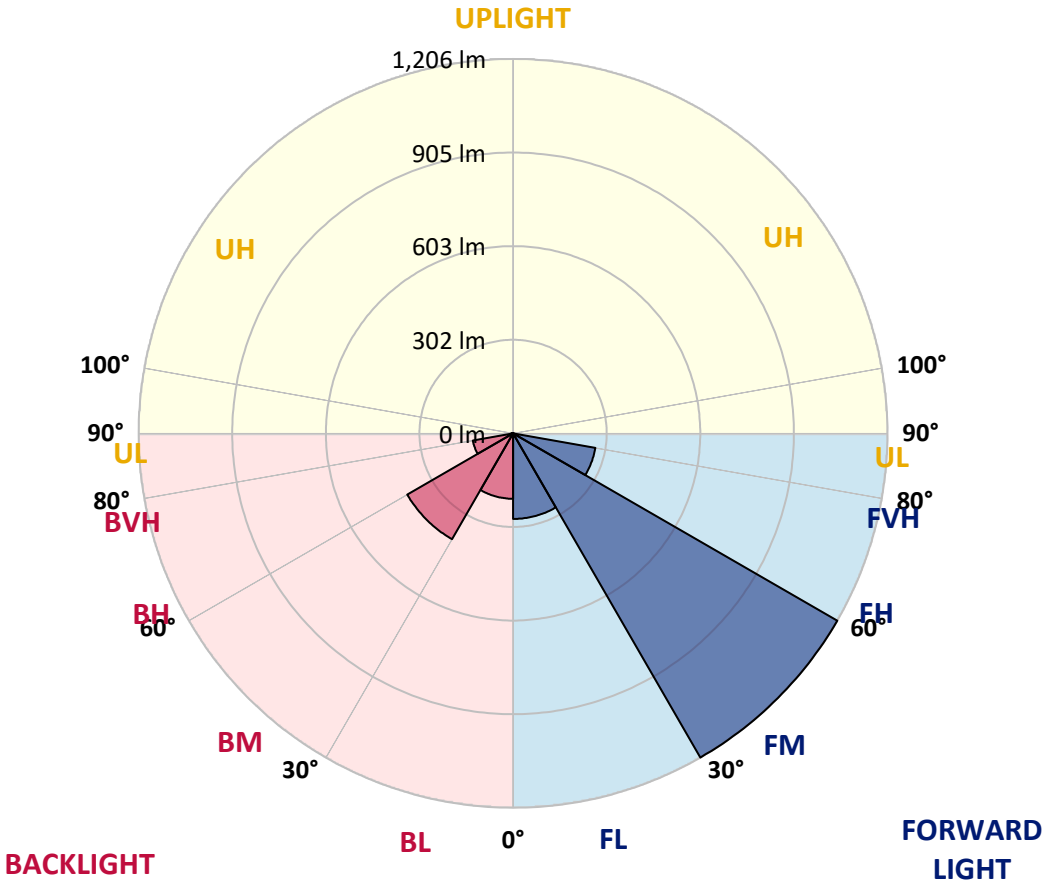
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	275.6	11.0			
FM	(30°-60°)	1206.2	48.3			
FH	(60°-80°)	269.1	10.8			G0/660
FVH	(80°-90°)	3.2	0.1			G0/10
BL	(0°-30°)	210.7	8.4	B1/500		
BM	(30°-60°)	393.7	15.8	B1/1000		
BH	(60°-80°)	131.7	5.3	B1/500		G1/500
BVH	(80°-90°)	5.9	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P629593
CATALOG NUMBER: GWS-SA1B-830-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	*618.6*	618.6
2.5°	590.5	589.2	589.6	591.3	597.4	601.9	606.6	610.9	614.9	*616.2*	617.2
5°	569.4	567.2	567.8	570.4	577.6	585.1	593.5	603.7	613.5	*616.8*	621.1
7.5°	554.5	554.1	555.1	559.2	566.8	573.9	584.7	599.2	616.2	*621.7*	629.2
10°	534.7	533.9	538.0	546.4	558.8	570.2	583.1	600.2	623.9	*632.1*	643.7
12.5°	519.0	518.6	522.9	534.5	550.4	568.6	586.4	605.6	634.3	*645.6*	659.8
15°	528.2	526.4	526.6	534.7	549.0	570.4	594.5	615.1	644.7	*659.0*	677.4
17.5°	554.9	551.7	549.2	550.7	558.8	581.1	607.0	628.0	656.8	*673.5*	696.0
20°	591.9	590.0	583.3	578.8	580.7	600.2	626.6	646.2	672.5	*691.3*	715.4
22.5°	641.5	637.0	627.8	620.7	615.1	630.5	654.7	671.7	694.3	*713.9*	739.0
25°	702.9	696.4	681.9	670.7	658.8	674.5	696.2	709.0	724.3	*742.5*	766.4
27.5°	765.6	760.1	743.9	728.8	714.1	723.9	749.6	757.0	755.4	*768.6*	789.0
30°	832.3	825.4	810.1	793.7	774.7	781.1	804.1	807.8	790.5	*801.5*	815.4
32.5°	902.7	896.0	882.7	863.7	842.3	844.8	851.1	854.6	838.0	*844.3*	855.0
35°	974.4	968.0	954.6	935.8	920.1	905.2	889.2	903.1	893.5	*905.8*	905.0
37.5°	1039.9	1033.5	1025.2	1010.7	983.7	954.4	917.6	934.8	949.7	*965.2*	962.5
40°	1084.2	1079.9	1081.9	1079.7	1045.0	986.8	931.5	950.3	990.9	*1017.4*	1016.0
42.5°	1122.3	1118.0	1129.9	1138.4	1097.6	1016.8	938.2	956.2	1017.2	*1058.6*	1056.6
45°	1139.3	1138.0	1157.6	1184.8	1145.8	1048.6	955.6	968.4	1037.2	*1090.3*	1082.5
47.5°	1119.1	1123.3	1161.9	1207.8	1185.8	1086.4	991.1	994.4	1063.3	*1124.6*	1102.7
50°	1078.9	1088.2	1140.3	1208.5	1215.0	1129.1	1040.3	1032.1	1098.4	*1161.1*	1113.3
52.5°	1020.3	1030.1	1115.0	1203.8	1231.7	1178.5	1105.8	1094.2	1142.7	*1197.6*	1115.2
55°	885.8	899.0	1057.0	1193.1	1248.0	1223.4	1179.7	1156.0	1199.9	*1247.8*	1133.3
57.5°	*768.4*	*775.4*	*915.8*	*1146.0*	*1251.3*	*1256.4*	*1232.3*	*1204.2*	*1256.6*	*1302.1*	*1153.8*
60°	563.9	565.6	691.9	948.2	1151.1	1237.2	1228.0	1186.2	1229.7	*1258.7*	1060.3
62.5°	318.6	318.8	419.6	632.9	859.9	1008.4	1014.2	977.2	940.7	*949.3*	738.0
65°	119.6	130.8	191.6	311.0	495.8	595.3	619.0	627.6	566.8	*529.0*	395.7
67.5°	80.0	82.7	111.8	160.0	220.6	254.7	284.9	285.7	209.0	*186.3*	155.9
70°	61.0	63.7	88.0	114.5	111.8	103.3	111.6	108.6	112.3	*115.3*	118.6
72.5°	45.5	48.2	68.2	80.8	67.1	66.1	74.9	83.3	91.0	*94.3*	99.4
75°	30.2	32.2	45.9	43.3	37.1	43.9	54.7	63.1	67.6	*71.4*	75.3
77.5°	19.2	20.6	24.5	19.8	20.6	25.7	31.8	39.4	43.7	*47.6*	49.6
80°	8.8	8.6	8.4	9.4	11.6	15.1	19.2	23.7	26.9	*28.6*	29.8
82.5°	3.5	3.9	4.3	5.1	6.3	8.2	10.8	13.9	16.5	*16.9*	18.0
85°	1.4	1.6	1.8	2.2	2.9	3.7	4.5	6.3	8.0	*8.6*	9.2
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.0	1.8	*2.0*	2.2
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

REPORT NUMBER: P629593
CATALOG NUMBER: GWS-SA1B-830-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6	618.6
2.5°	622.7	620.0	624.5	627.6	630.5	627.4	626.4	623.7	623.3	623.3	624.7
5°	628.4	626.6	631.3	633.1	632.9	626.2	622.1	616.8	614.1	614.1	614.5
7.5°	638.6	637.6	640.3	637.4	630.9	617.2	603.7	592.5	584.9	581.1	582.3
10°	655.6	654.3	652.1	641.5	622.7	594.3	566.8	546.4	534.1	527.2	527.6
12.5°	672.1	670.0	662.1	638.6	600.0	554.9	518.8	496.0	482.5	474.3	472.5
15°	690.3	684.9	667.8	623.9	563.1	506.8	469.0	444.3	429.8	424.9	424.7
17.5°	707.6	698.2	667.2	597.8	518.8	456.4	418.4	403.1	400.6	402.9	403.5
20°	725.2	710.1	660.5	561.7	466.2	406.2	386.6	392.9	402.1	408.2	409.6
22.5°	743.3	719.8	645.1	515.1	410.6	372.3	380.4	394.3	405.7	413.9	414.7
25°	763.7	729.0	622.3	458.2	366.1	362.9	379.0	393.7	405.9	415.3	417.0
27.5°	775.4	729.2	590.2	399.6	345.7	359.2	375.5	389.4	401.7	411.9	413.7
30°	786.8	723.7	539.4	352.1	339.8	354.9	369.6	382.5	394.1	404.1	406.4
32.5°	802.9	718.6	480.9	324.7	336.4	350.8	362.9	374.3	383.3	387.8	389.0
35°	822.9	712.1	418.6	312.9	334.1	347.6	358.2	364.3	352.7	350.2	352.9
37.5°	850.9	706.0	356.6	307.8	332.7	346.4	355.7	340.0	325.7	320.0	322.1
40°	881.1	702.5	314.5	303.7	333.3	347.6	345.5	322.3	301.7	289.6	289.2
42.5°	906.8	697.2	287.6	301.0	334.9	352.3	331.7	306.6	275.9	268.8	269.0
45°	924.1	683.7	273.3	298.2	336.4	353.3	325.1	284.9	263.1	258.6	258.4
47.5°	931.3	659.2	264.1	293.7	336.1	344.9	311.9	275.9	254.1	252.9	253.7
50°	926.6	619.0	254.7	284.9	331.2	336.1	296.6	268.0	248.0	254.7	259.6
52.5°	909.2	567.0	243.5	272.9	322.5	326.1	288.8	263.1	243.5	252.5	256.3
55°	904.8	524.7	229.2	257.2	309.4	308.4	280.6	260.6	240.4	237.0	237.6
57.5°	*898.8*	*483.5*	*205.5*	*229.0*	*276.3*	*278.0*	*272.9*	*257.8*	*232.5*	*231.4*	*232.5*
60°	780.9	370.6	183.3	197.6	227.0	235.7	264.1	252.5	219.6	215.3	215.1
62.5°	510.0	224.5	163.1	172.3	184.9	195.1	240.8	237.2	205.5	202.9	204.7
65°	274.3	160.0	148.4	153.9	160.8	168.6	199.6	211.2	185.7	176.3	176.5
67.5°	140.2	136.1	137.4	141.2	146.5	150.4	161.0	171.2	158.4	150.4	150.2
70°	120.0	123.3	125.1	127.4	130.8	130.2	131.2	133.1	132.1	128.2	128.0
72.5°	102.3	107.4	107.8	108.2	109.4	106.5	104.7	101.6	101.8	102.5	102.7
75°	77.8	82.7	83.9	83.3	84.5	80.8	78.4	75.3	71.6	71.0	71.4
77.5°	50.6	54.5	56.3	55.9	56.5	53.7	52.5	49.2	44.9	43.3	43.3
80°	30.6	32.9	34.3	34.7	35.3	33.3	31.2	28.4	26.5	24.7	24.7
82.5°	18.6	20.0	21.0	21.0	21.6	19.4	17.8	15.7	14.9	13.3	13.3
85°	9.4	10.4	10.8	10.6	10.2	8.4	7.8	6.7	6.3	5.5	5.5
87.5°	2.2	2.9	2.9	2.0	2.0	1.0	0.6	0.2	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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Peachtree City, GA 30269

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

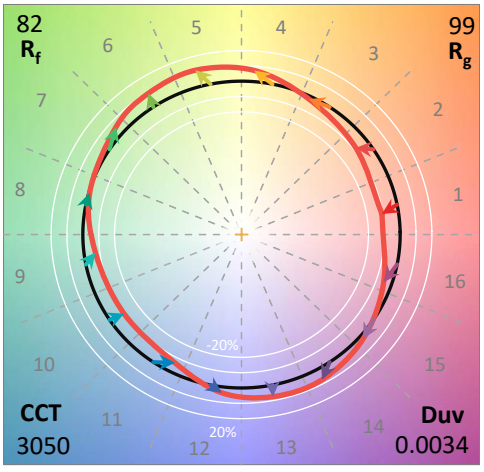
Test Information

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

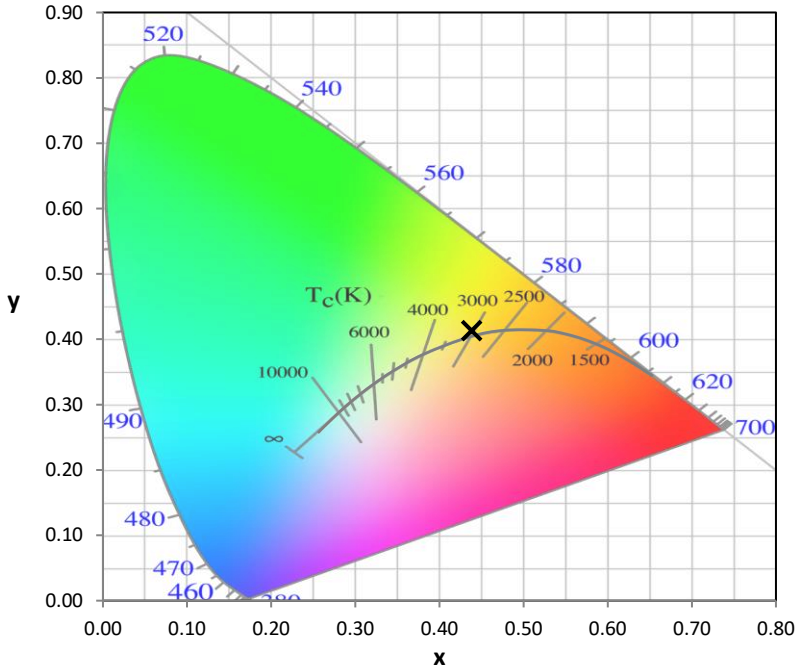
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

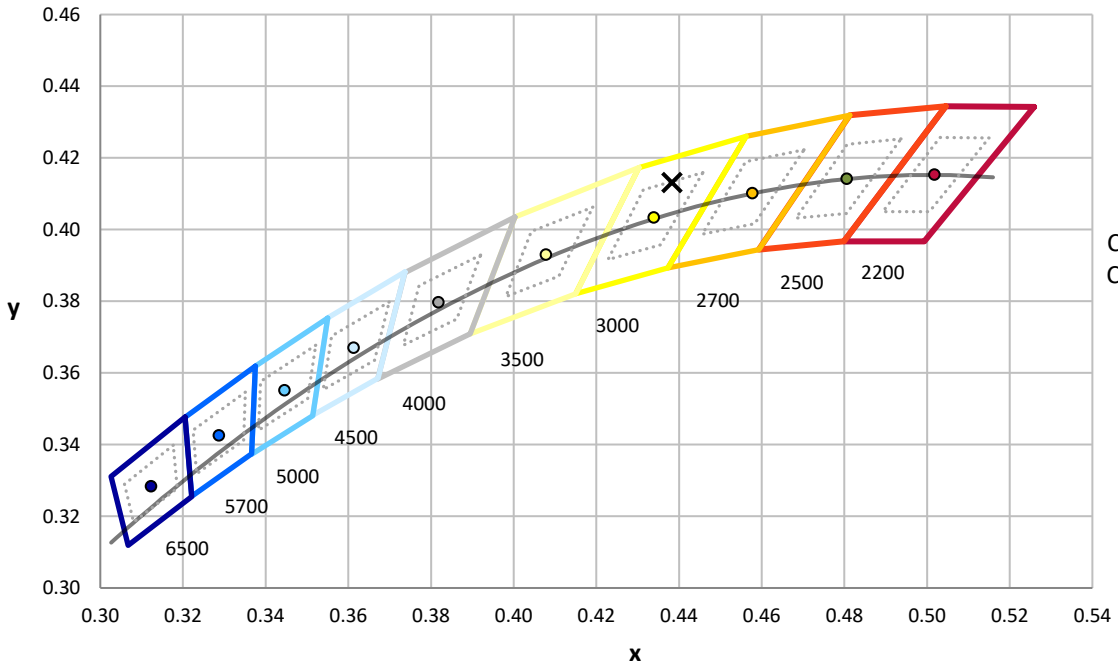
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

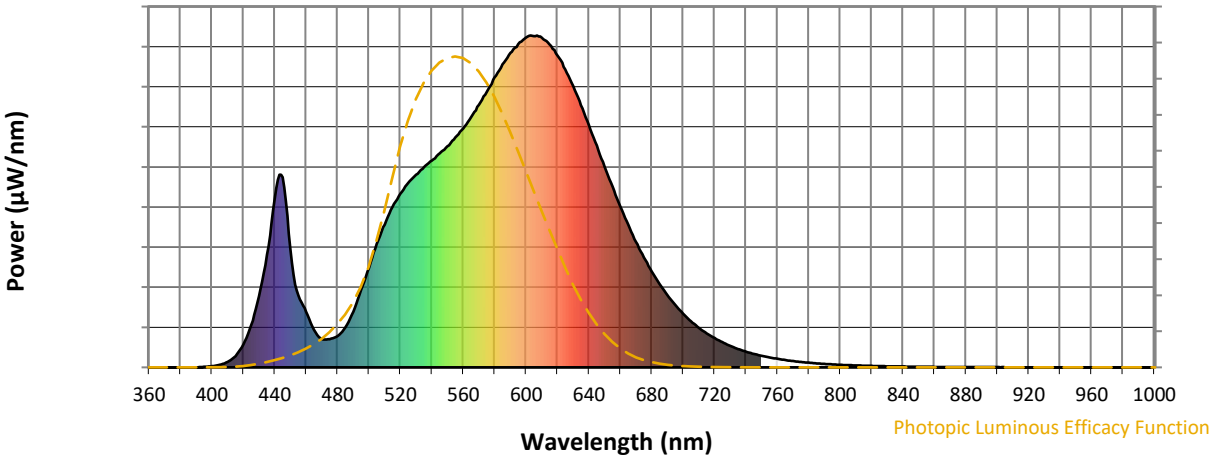


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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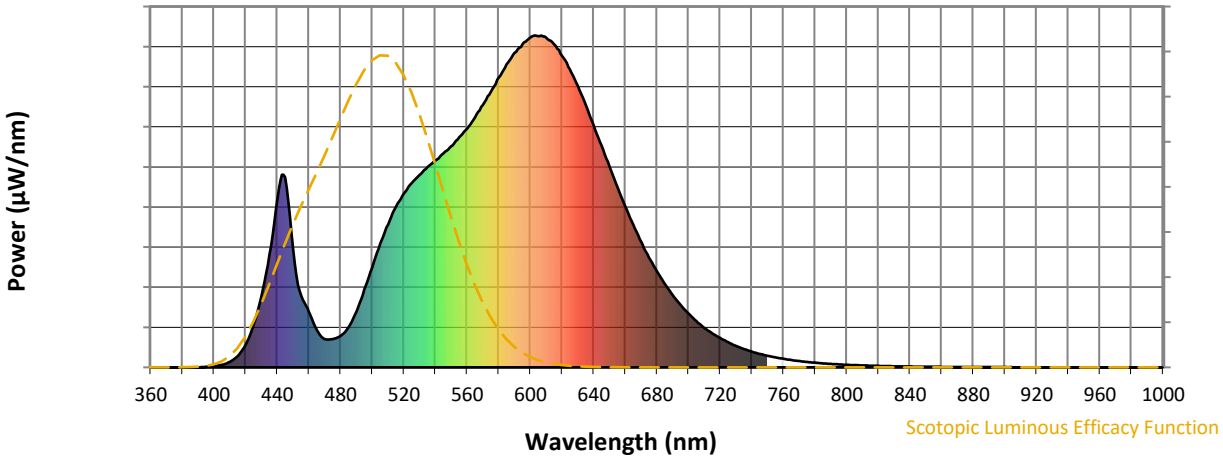
Scotopic Flux vs. Wavelength



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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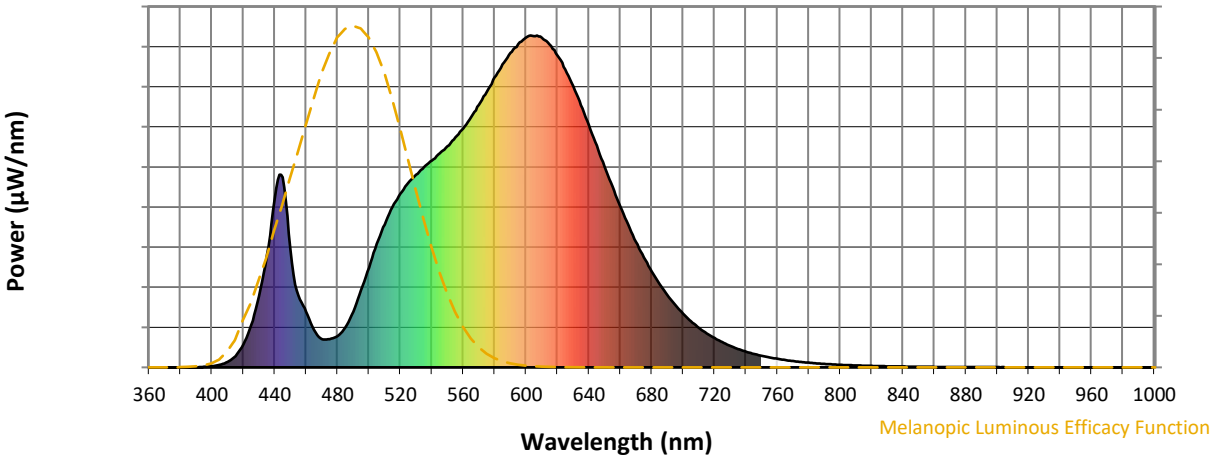
Melanopic Flux vs. Wavelength



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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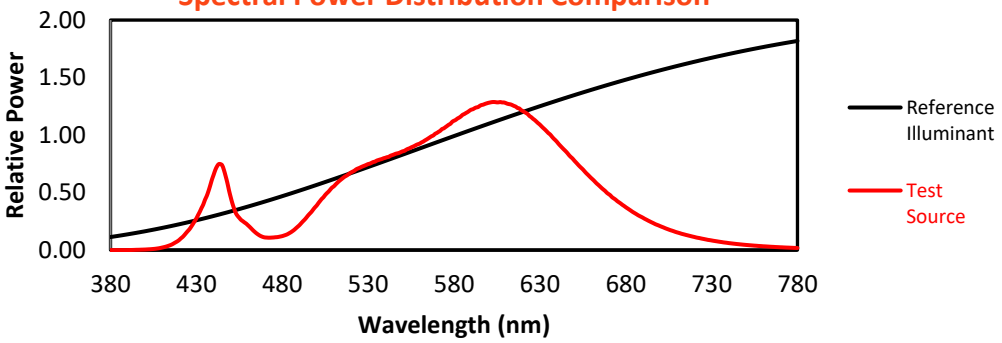
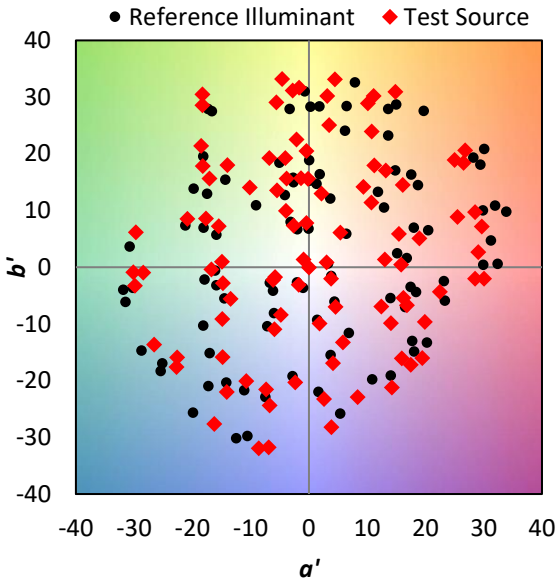
Summary

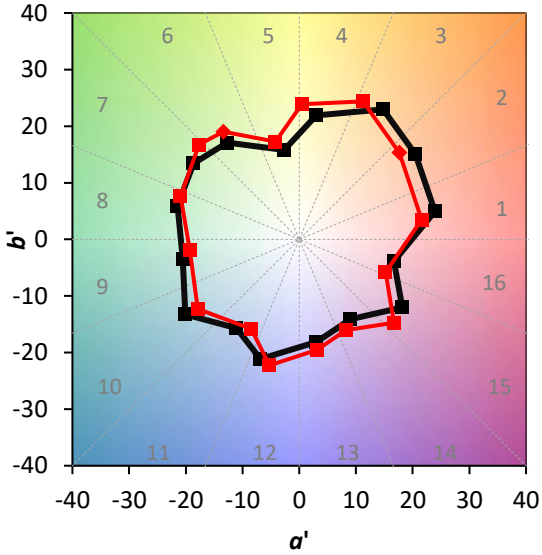
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

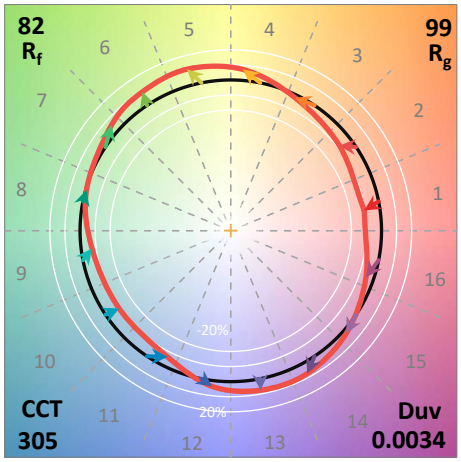
Spectral Power Distribution Comparison

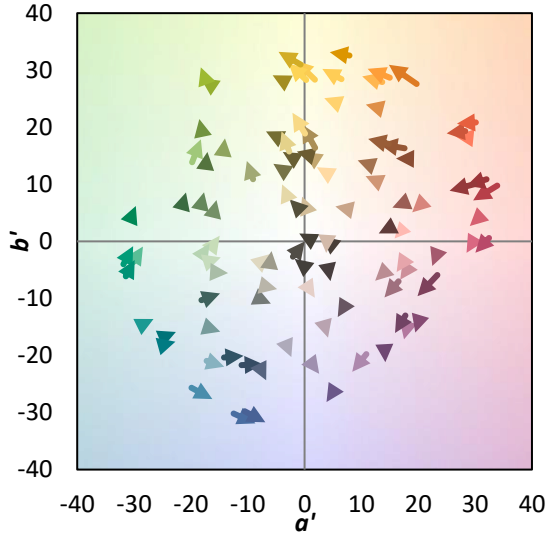


Color Vector Graphics









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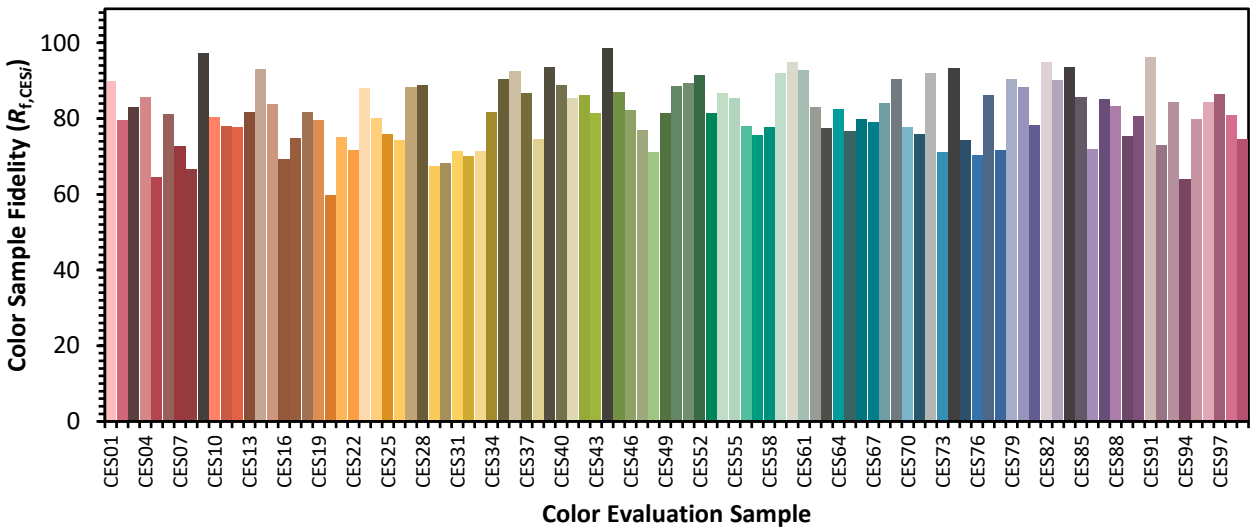
Individual Sample Fidelity Index ($R_{f,i}$)

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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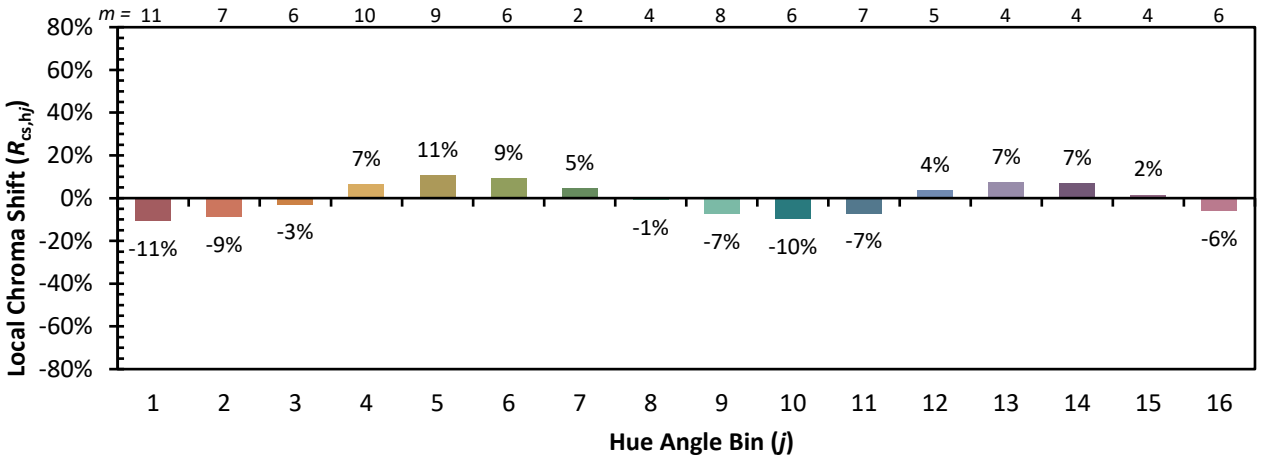
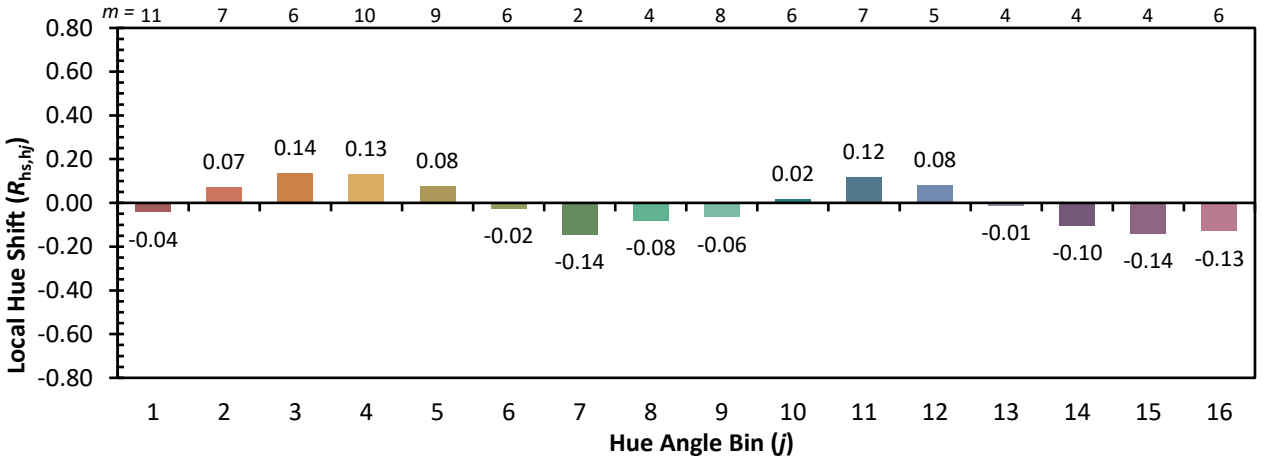
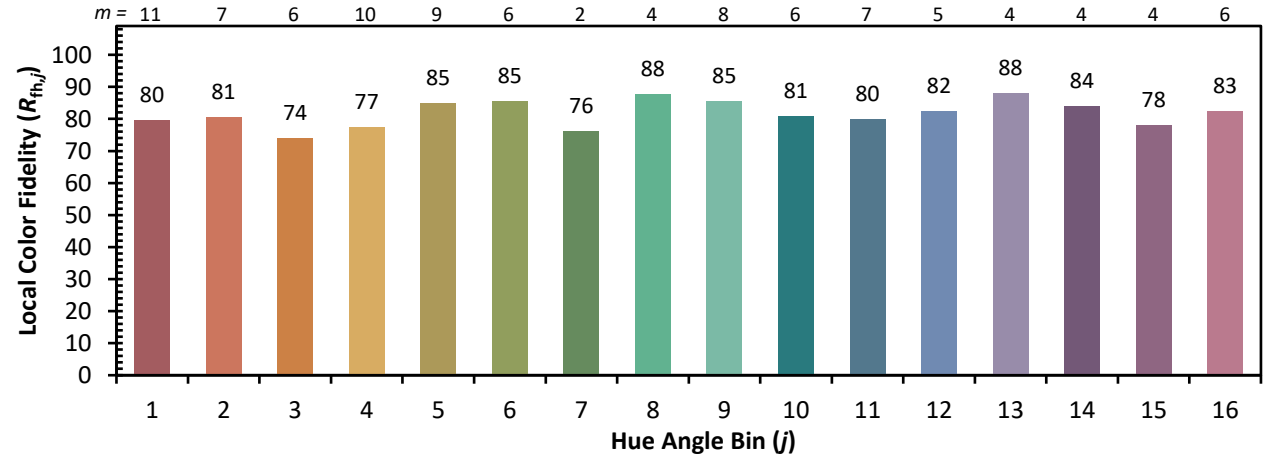
Color Rendition by Hue-Angle Bin







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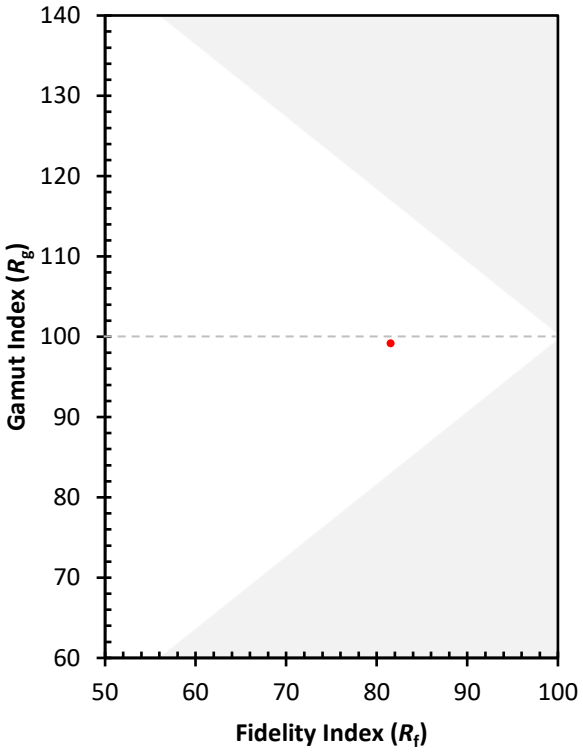
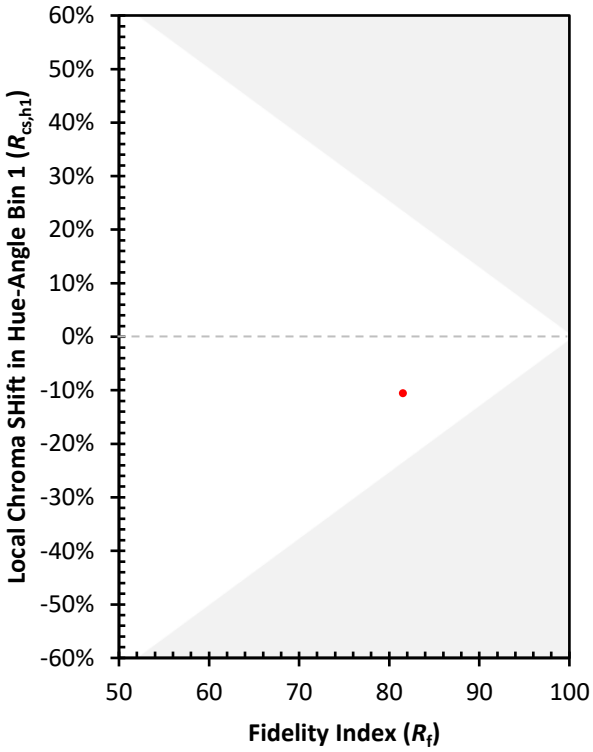
Measure Comparisons





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