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: P630086

Luminaire Tested: GWS-SA1C-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:	P630086
	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-SA1C-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:	3347.6 lumens
Efficiency:	N/A
Efficacy:	98.2 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):	34.1
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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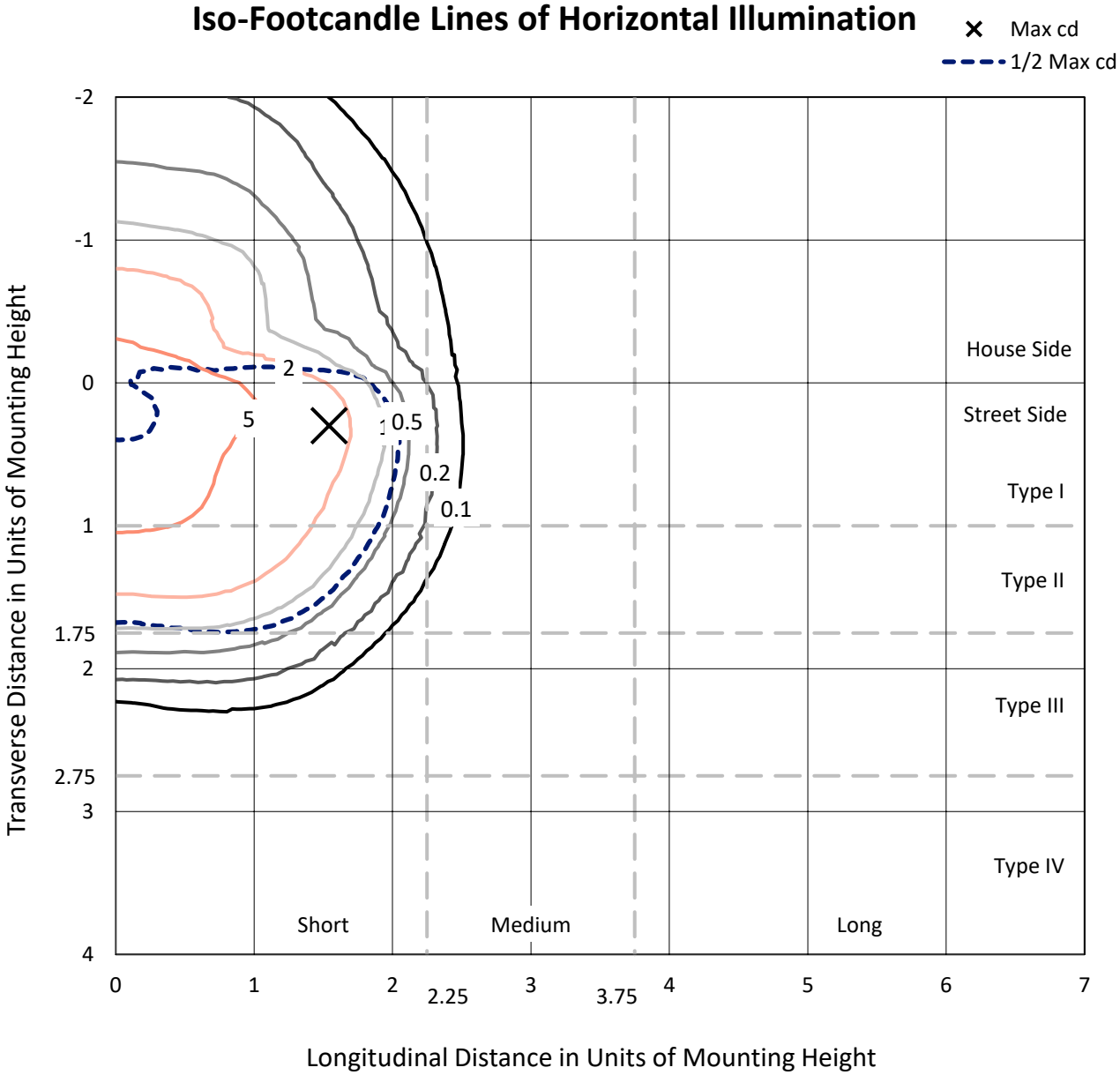
Scaled Data Report

REPORT NUMBER: P630086
CATALOG NUMBER: GWS-SA1C-830-U-T3R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
Type II - Short - N/A

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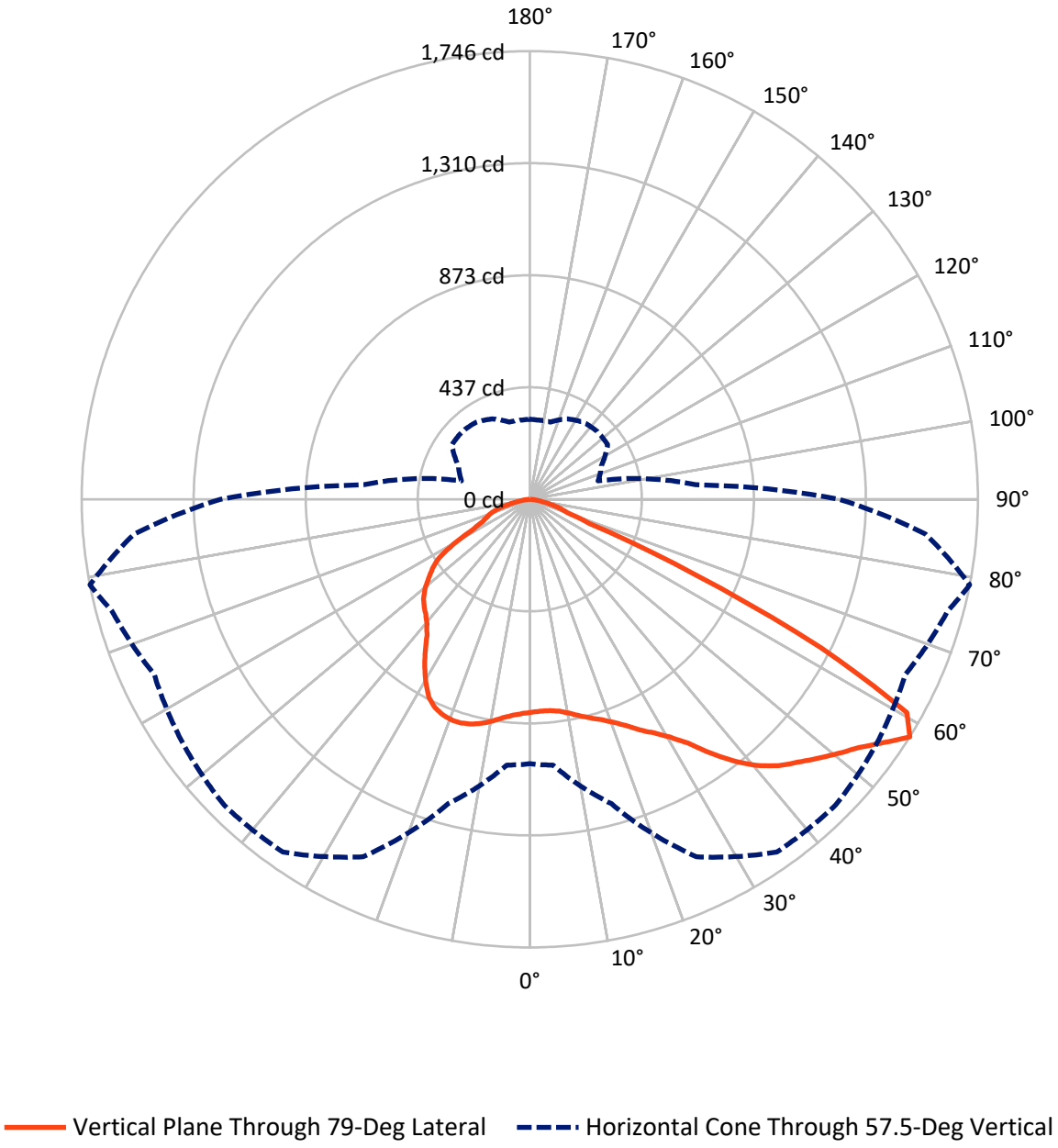
Luminous Intensity Polar Plot



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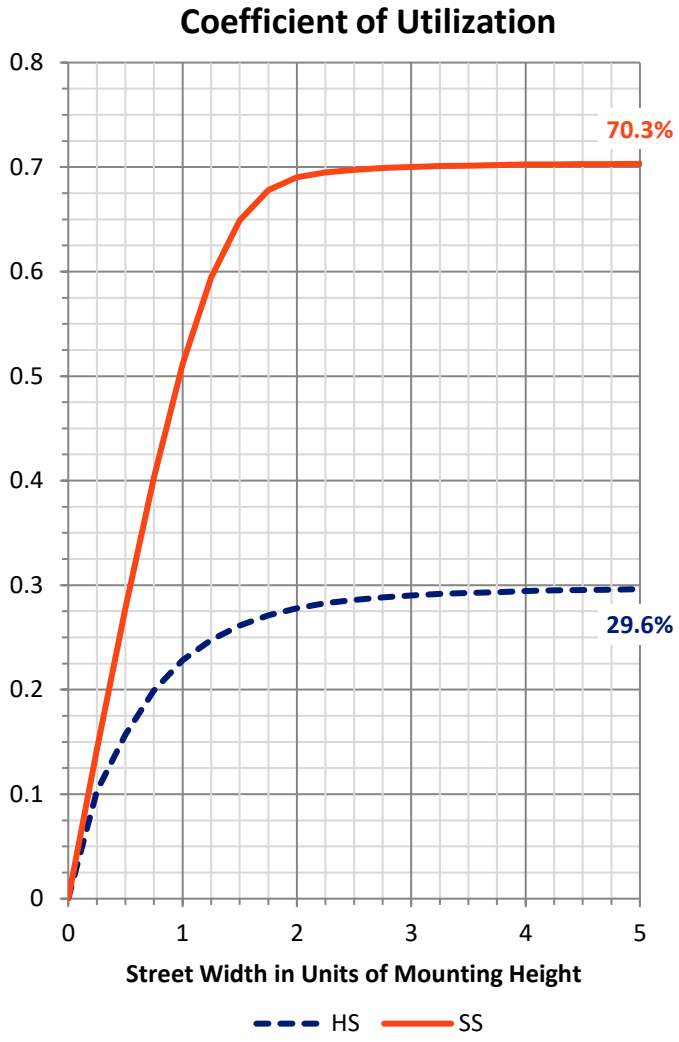
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	995.1	0.0	995.1
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	2352.5	0.0	2352.5
	% Fixture	70.3	0.0	70.3
Total	Lumens	3347.6	0.0	3347.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	2.3
10°-20°	213.5	6.4
20°-30°	361.9	10.8
30°-40°	553.9	16.5
40°-50°	738.6	22.1
50°-60°	853.1	25.5
60°-70°	443.3	13.2
70°-80°	94.2	2.8
80°-90°	12.2	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°	3347.6	100.0
0°-180°	3347.6	100.0



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REPORT NUMBER: P630086
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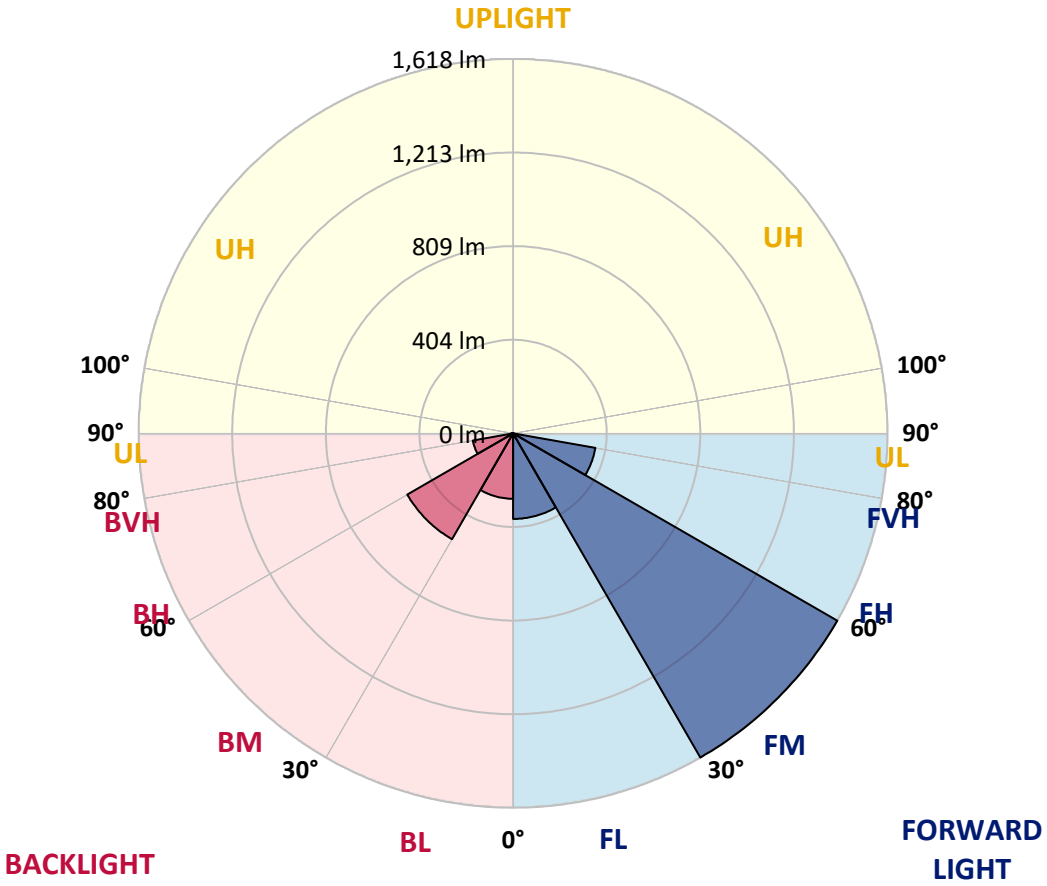
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	369.7	11.0			
FM	(30°-60°)	1617.7	48.3			
FH	(60°-80°)	361.0	10.8			G0/660
FVH	(80°-90°)	4.3	0.1			G0/10
BL	(0°-30°)	282.6	8.4	B1/500		
BM	(30°-60°)	528.0	15.8	B1/1000		
BH	(60°-80°)	176.6	5.3	B1/500		G1/500
BVH	(80°-90°)	7.9	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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REPORT NUMBER: P630086
CATALOG NUMBER: GWS-SA1C-830-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	829.6	829.6	829.6	829.6	829.6	829.6	829.6	829.6	829.6	*829.6*	829.6
2.5°	791.8	790.2	790.7	792.9	801.1	807.2	813.5	819.2	824.7	*826.3*	827.7
5°	763.6	760.6	761.5	765.0	774.6	784.7	795.9	809.6	822.8	*827.1*	832.9
7.5°	743.7	743.1	744.5	750.0	760.1	769.7	784.2	803.6	826.3	*833.7*	843.8
10°	717.1	716.0	721.5	732.7	749.4	764.7	782.0	805.0	836.7	*847.7*	863.3
12.5°	696.0	695.5	701.2	716.8	738.2	762.6	786.4	812.1	850.7	*865.7*	884.9
15°	708.4	705.9	706.2	717.1	736.3	765.0	797.3	825.0	864.6	*883.8*	908.4
17.5°	744.2	739.8	736.6	738.5	749.4	779.3	814.0	842.2	880.8	*903.2*	933.3
20°	793.8	791.3	782.3	776.2	778.7	805.0	840.3	866.6	901.9	*927.1*	959.4
22.5°	860.3	854.2	841.9	832.3	825.0	845.5	878.1	900.8	931.2	*957.4*	991.1
25°	942.7	933.9	914.5	899.4	883.5	904.6	933.6	950.9	971.4	*995.8*	1027.8
27.5°	1026.7	1019.3	997.7	977.4	957.7	970.8	1005.3	1015.2	1013.0	*1030.8*	1058.2
30°	1116.2	1106.9	1086.4	1064.5	1039.0	1047.5	1078.4	1083.3	1060.1	*1074.9*	1093.5
32.5°	1210.6	1201.6	1183.8	1158.3	1129.6	1132.9	1141.4	1146.0	1123.9	*1132.3*	1146.6
35°	1306.7	1298.2	1280.1	1255.0	1233.9	1213.9	1192.6	1211.2	1198.3	*1214.7*	1213.6
37.5°	1394.5	1386.1	1374.8	1355.4	1319.3	1279.9	1230.6	1253.6	1273.6	*1294.4*	1290.8
40°	1453.9	1448.2	1450.9	1447.9	1401.4	1323.4	1249.2	1274.4	1328.9	*1364.4*	1362.5
42.5°	1505.1	1499.4	1515.3	1526.8	1472.0	1363.6	1258.2	1282.3	1364.2	*1419.7*	1417.0
45°	1527.8	1526.2	1552.5	1588.9	1536.6	1406.3	1281.5	1298.8	1391.0	*1462.2*	1451.8
47.5°	1500.7	1506.5	1558.2	1619.8	1590.3	1457.0	1329.1	1333.5	1426.0	*1508.1*	1478.9
50°	1446.8	1459.4	1529.2	1620.6	1629.4	1514.2	1395.1	1384.1	1473.1	*1557.1*	1493.1
52.5°	1368.3	1381.4	1495.3	1614.3	1651.8	1580.4	1483.0	1467.4	1532.5	*1606.1*	1495.5
55°	1187.9	1205.7	1417.5	1600.1	1673.7	1640.6	1582.0	1550.3	1609.1	*1673.5*	1519.9
57.5°	*1030.5*	*1039.8*	*1228.1*	*1536.9*	*1678.1*	*1685.0*	*1652.7*	*1614.9*	*1685.2*	*1746.3*	*1547.3*
60°	756.3	758.4	927.9	1271.7	1543.7	1659.2	1646.9	1590.8	1649.1	*1688.0*	1421.9
62.5°	427.3	427.5	562.7	848.8	1153.1	1352.4	1360.1	1310.5	1261.5	*1273.0*	989.7
65°	160.4	175.4	257.0	417.1	664.8	798.4	830.2	841.7	760.1	*709.5*	530.7
67.5°	107.3	110.9	150.0	214.6	295.9	341.6	382.1	383.2	280.3	*249.9*	209.1
70°	81.8	85.4	118.0	153.6	150.0	138.5	149.7	145.6	150.5	*154.6*	159.0
72.5°	61.0	64.6	91.4	108.4	90.1	88.7	100.5	111.7	122.1	*126.5*	133.3
75°	40.5	43.2	61.6	58.0	49.8	58.8	73.4	84.6	90.6	*95.8*	101.0
77.5°	25.7	27.6	32.8	26.5	27.6	34.5	42.7	52.8	58.6	*63.8*	66.5
80°	11.8	11.5	11.2	12.6	15.6	20.3	25.7	31.8	36.1	*38.3*	40.0
82.5°	4.7	5.2	5.7	6.8	8.5	10.9	14.5	18.6	22.2	*22.7*	24.1
85°	1.9	2.2	2.5	3.0	3.8	4.9	6.0	8.5	10.7	*11.5*	12.3
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.4	2.5	*2.7*	3.0
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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Scaled Data Report

REPORT NUMBER: P630086
CATALOG NUMBER: GWS-SA1C-830-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	829.6	829.6	829.6	829.6	829.6	829.6	829.6	829.6	829.6	829.6	829.6
2.5°	835.1	831.5	837.6	841.7	845.5	841.4	840.0	836.5	835.9	835.9	837.8
5°	842.8	840.3	846.6	849.0	848.8	839.7	834.3	827.1	823.6	823.6	824.1
7.5°	856.4	855.1	858.6	854.8	846.0	827.7	809.6	794.6	784.5	779.3	780.9
10°	879.2	877.5	874.5	860.3	835.1	797.0	760.1	732.7	716.3	707.0	707.5
12.5°	901.3	898.6	887.9	856.4	804.7	744.2	695.8	665.1	647.0	636.1	633.6
15°	925.7	918.6	895.6	836.7	755.2	679.6	629.0	595.9	576.4	569.9	569.6
17.5°	948.9	936.4	894.8	801.7	695.8	612.0	561.1	540.6	537.3	540.3	541.1
20°	972.5	952.2	885.7	753.2	625.2	544.7	518.4	526.9	539.2	547.4	549.3
22.5°	996.8	965.4	865.2	690.8	550.7	499.2	510.2	528.8	544.1	555.1	556.2
25°	1024.2	977.7	834.5	614.5	491.0	486.7	508.3	528.0	544.4	557.0	559.2
27.5°	1039.8	978.0	791.6	535.9	463.7	481.7	503.6	522.2	538.7	552.3	554.8
30°	1055.1	970.6	723.4	472.1	455.7	476.0	495.7	512.9	528.5	541.9	545.0
32.5°	1076.8	963.7	644.9	435.5	451.1	470.5	486.7	502.0	514.0	520.0	521.7
35°	1103.6	955.0	561.4	419.6	448.1	466.1	480.4	488.6	473.0	469.7	473.2
37.5°	1141.1	946.8	478.2	412.8	446.1	464.5	477.1	456.0	436.8	429.2	431.9
40°	1181.6	942.1	421.8	407.3	447.0	466.1	463.4	432.2	404.5	388.4	387.8
42.5°	1216.1	935.0	385.7	403.7	449.2	472.4	444.8	411.1	370.1	360.5	360.7
45°	1239.4	916.9	366.5	399.9	451.1	473.8	436.0	382.1	352.8	346.8	346.5
47.5°	1248.9	884.1	354.2	393.9	450.8	462.6	418.2	370.1	340.8	339.1	340.2
50°	1242.6	830.2	341.6	382.1	444.2	450.8	397.7	359.4	332.6	341.6	348.2
52.5°	1219.4	760.4	326.5	365.9	432.5	437.4	387.3	352.8	326.5	338.6	343.8
55°	1213.4	703.7	307.4	344.9	414.9	413.6	376.4	349.5	322.4	317.8	318.6
57.5°	*1205.4*	*648.4*	*275.6*	*307.1*	*370.6*	*372.8*	*365.9*	*345.7*	*311.8*	*310.4*	*311.8*
60°	1047.2	497.1	245.8	265.0	304.4	316.1	354.2	338.6	294.5	288.8	288.5
62.5°	684.0	301.1	218.7	231.0	248.0	261.7	323.0	318.1	275.6	272.1	274.5
65°	367.9	214.6	199.0	206.4	215.7	226.1	267.7	283.3	249.1	236.5	236.8
67.5°	188.0	182.6	184.2	189.4	196.5	201.7	216.0	229.6	212.4	201.7	201.4
70°	160.9	165.3	167.8	170.8	175.4	174.6	176.0	178.5	177.1	171.9	171.6
72.5°	137.1	144.0	144.5	145.1	146.7	142.9	140.4	136.3	136.6	137.4	137.7
75°	104.3	110.9	112.5	111.7	113.3	108.4	105.1	101.0	96.1	95.3	95.8
77.5°	67.9	73.1	75.5	75.0	75.8	72.0	70.3	66.0	60.2	58.0	58.0
80°	41.1	44.1	46.0	46.5	47.4	44.6	41.9	38.0	35.6	33.1	33.1
82.5°	24.9	26.8	28.2	28.2	29.0	26.0	23.8	21.1	20.0	17.8	17.8
85°	12.6	14.0	14.5	14.2	13.7	11.2	10.4	9.0	8.5	7.4	7.4
87.5°	3.0	3.8	3.8	2.7	2.7	1.4	0.8	0.3	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

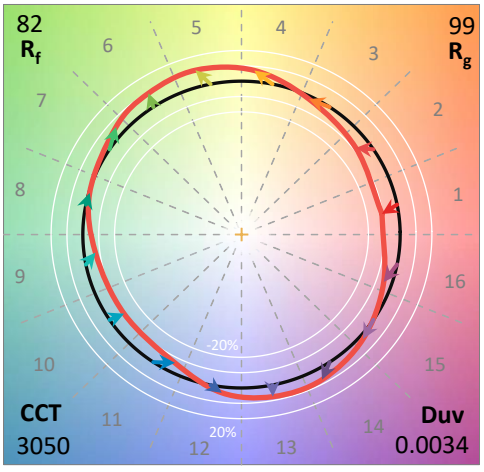
Test Information

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

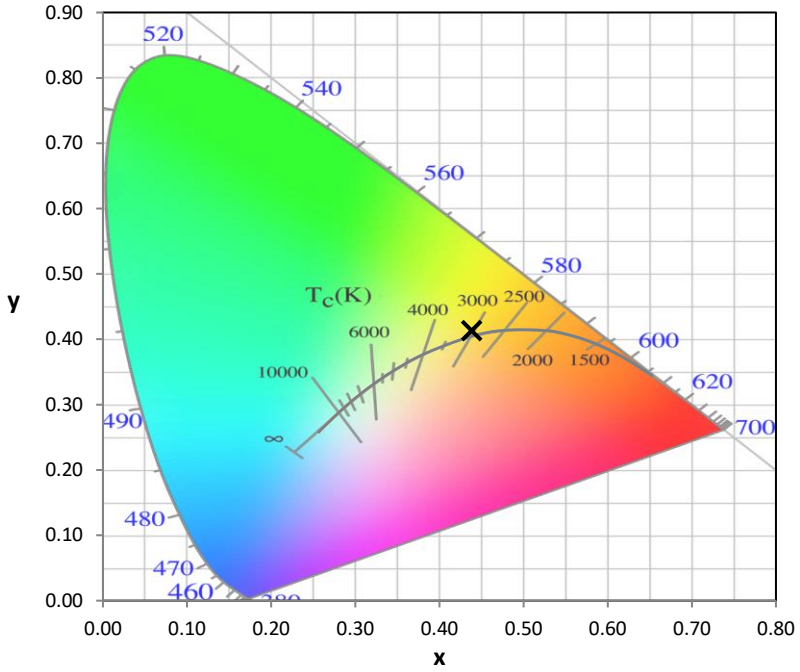
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

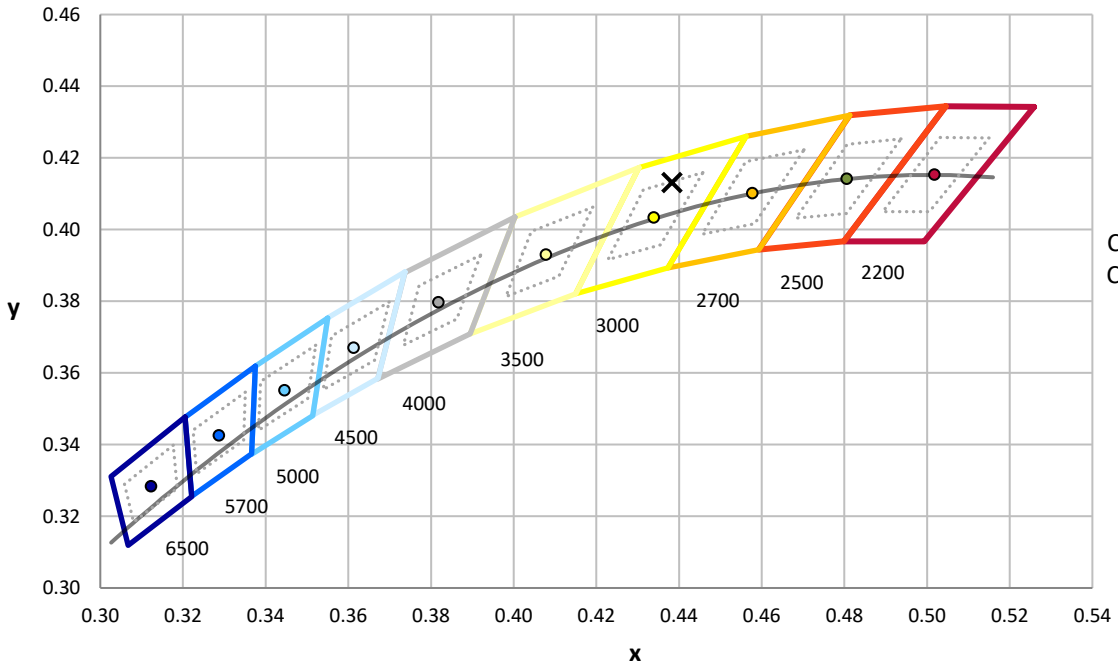
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

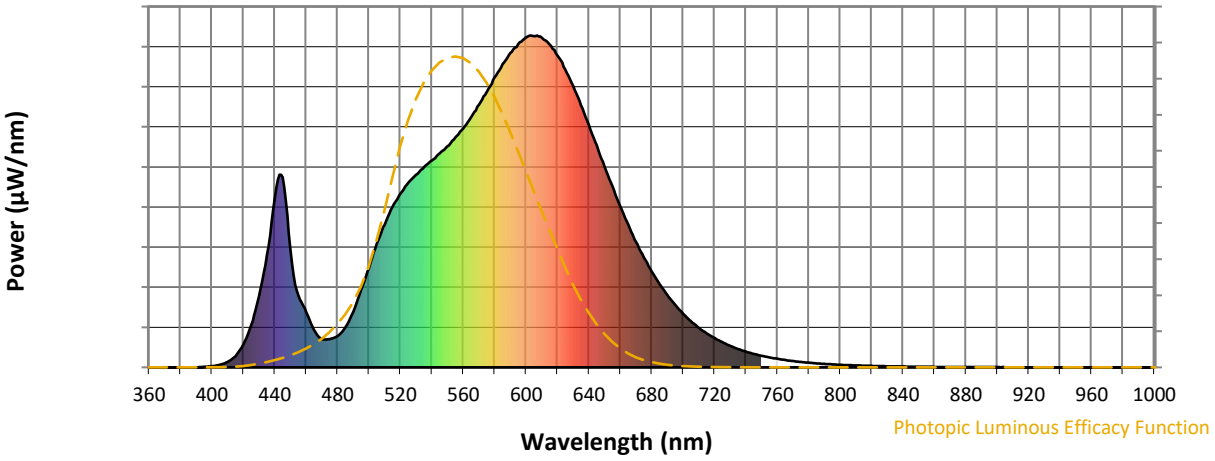


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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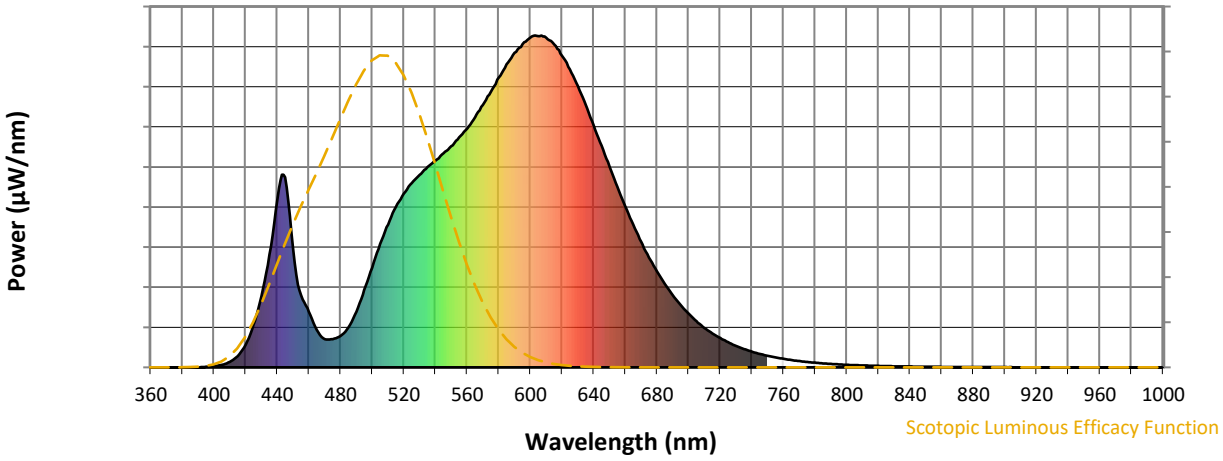
Scotopic Flux vs. Wavelength



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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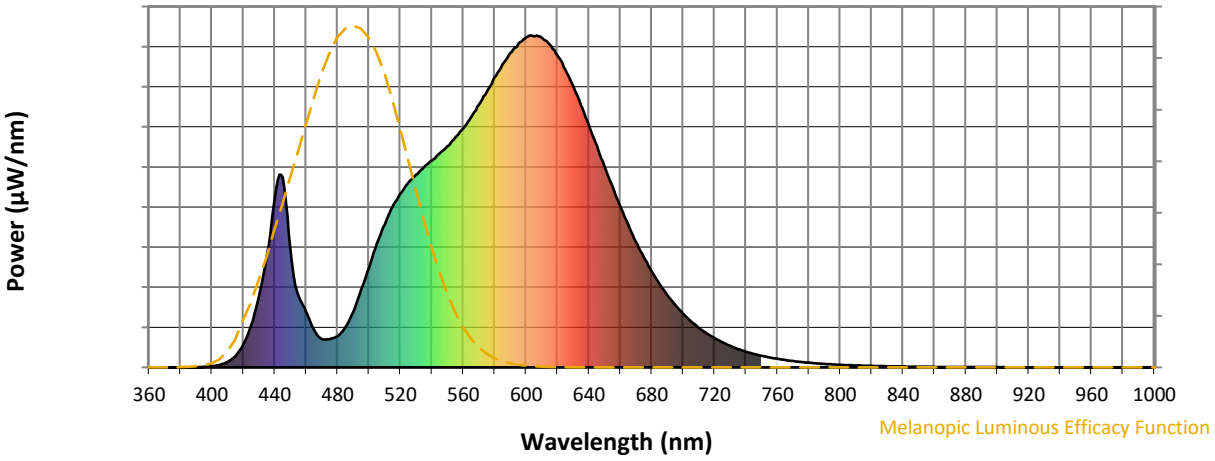
Melanopic Flux vs. Wavelength



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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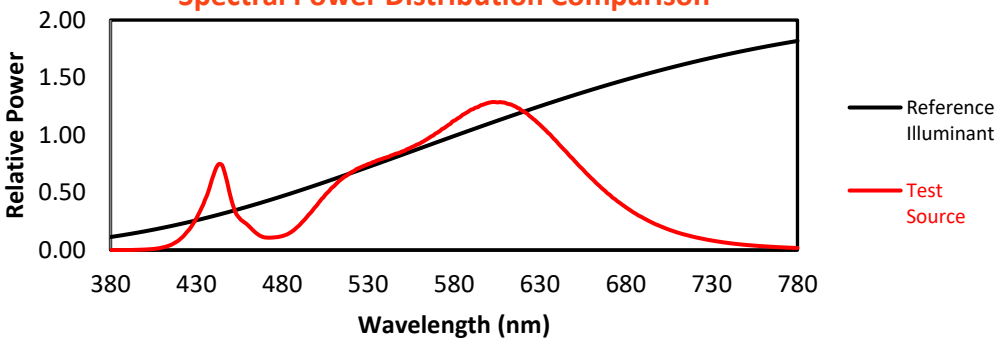
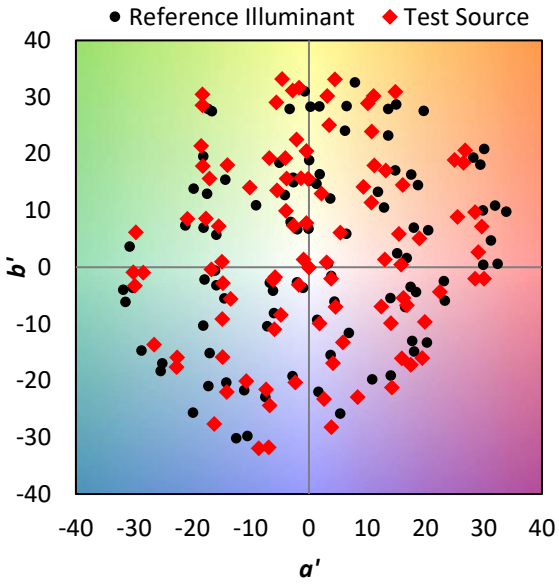
Summary

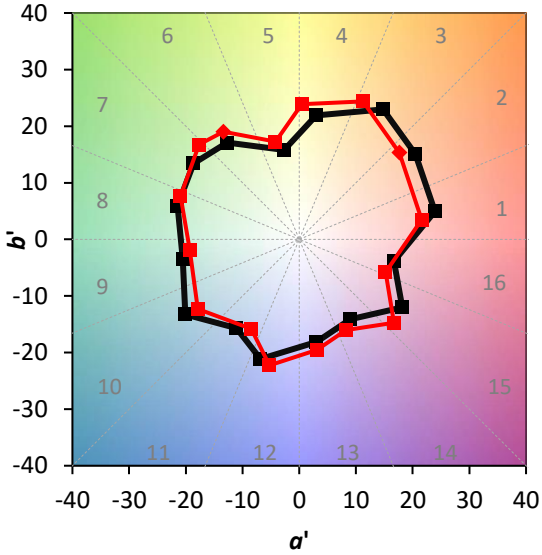
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

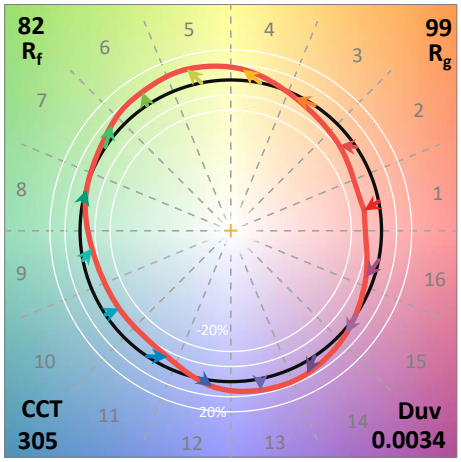
Spectral Power Distribution Comparison

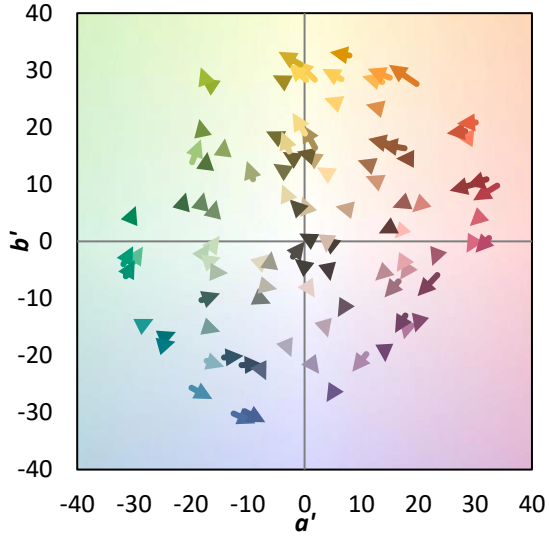


Color Vector Graphics









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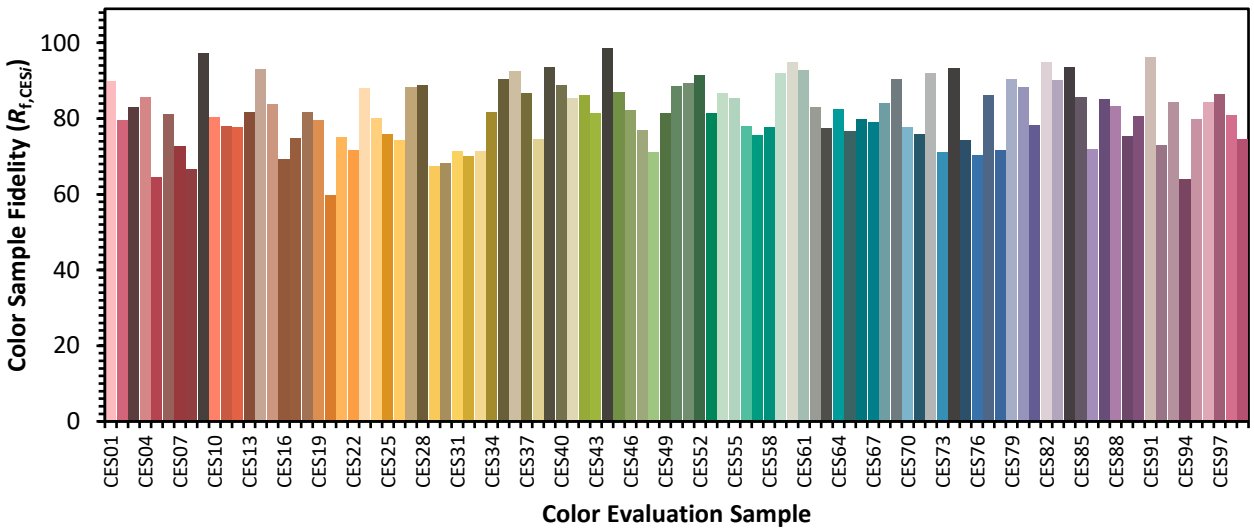
Individual Sample Fidelity Index ($R_{f,i}$)

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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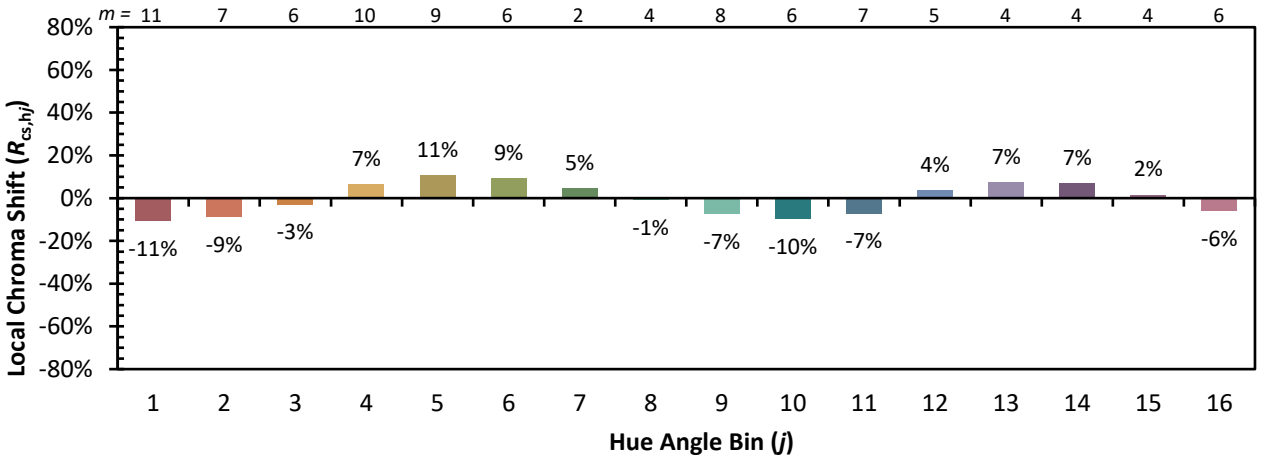
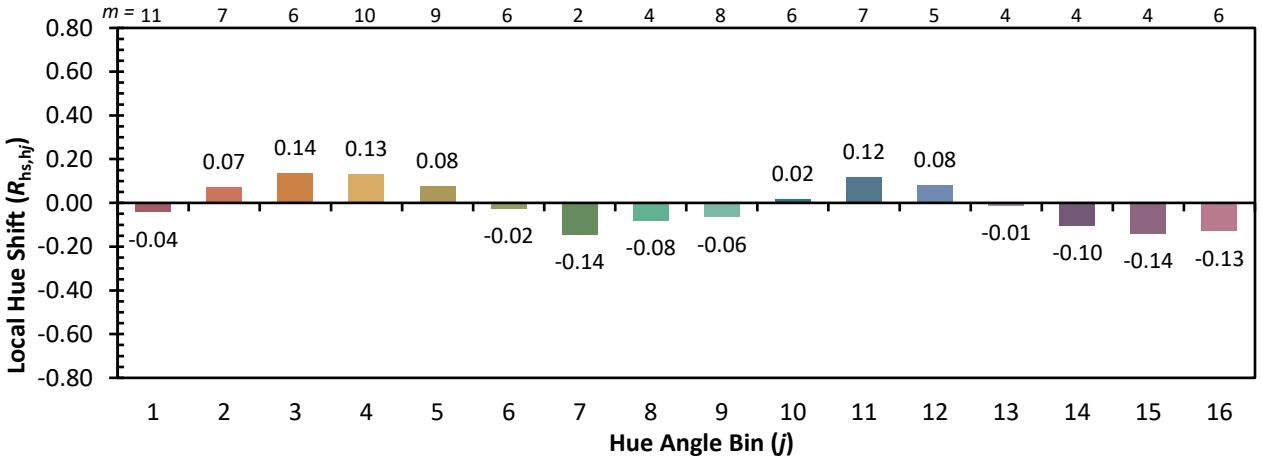
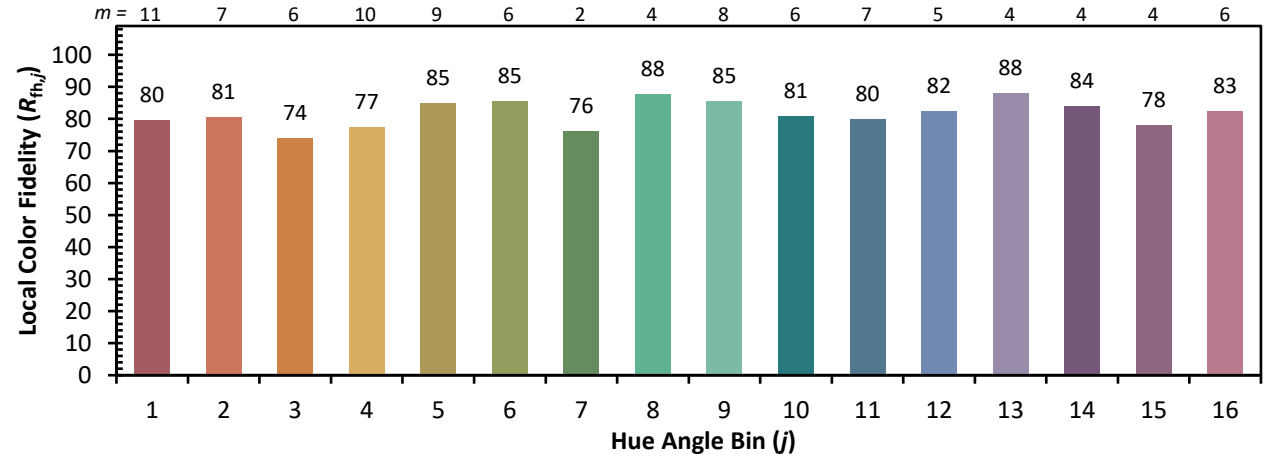
Color Rendition by Hue-Angle Bin







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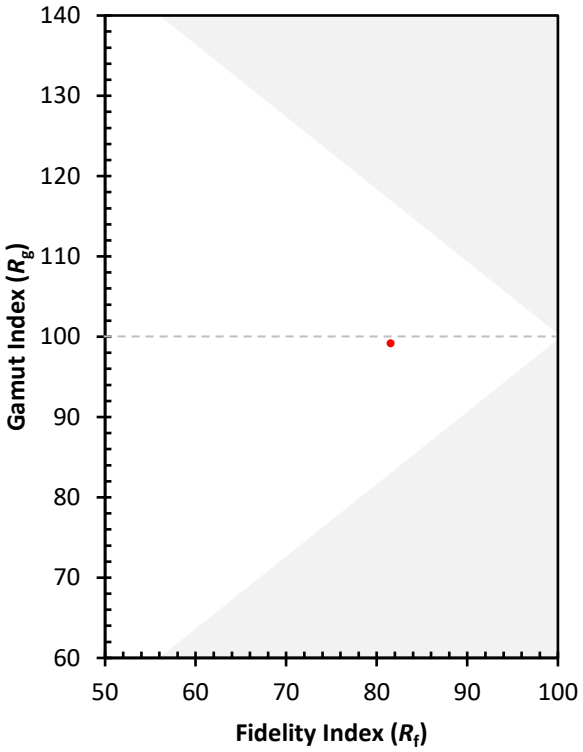
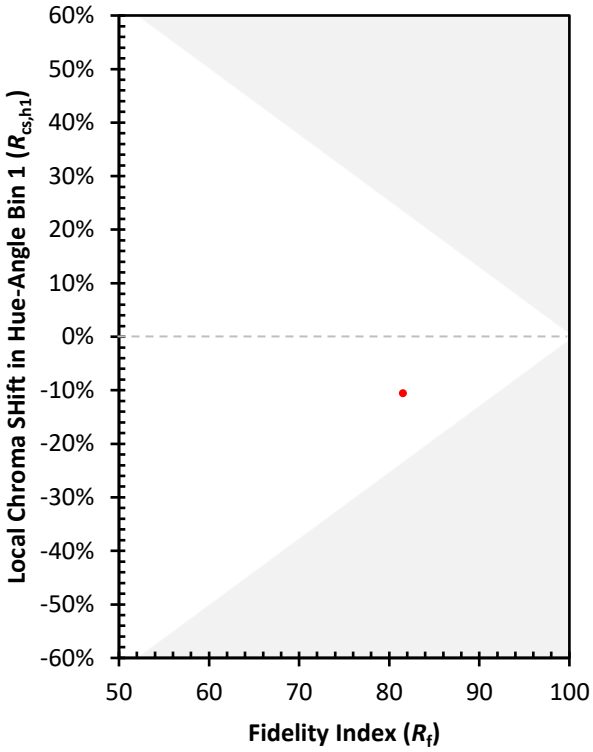
Measure Comparisons





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