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: P632532

Luminaire Tested: GWS-SA2C-830-U-SL2-W

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:	P632532
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2C-830-U-SL2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7225 lumens
Efficiency:	N/A
Efficacy:	114.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	63.2
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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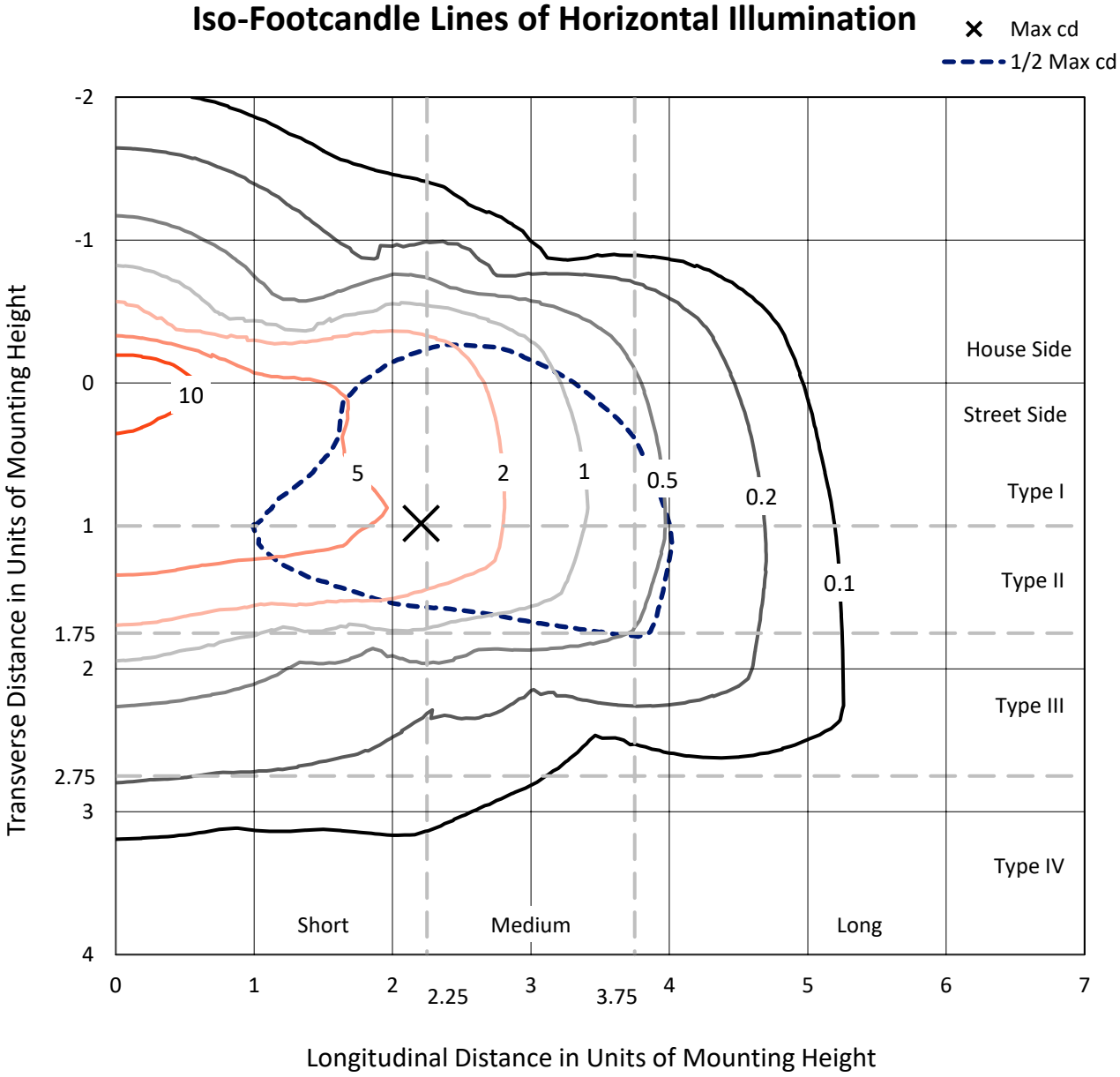
Scaled Data Report

REPORT NUMBER: P632532
CATALOG NUMBER: GWS-SA2C-830-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 16 fc
Type II - Short - N/A

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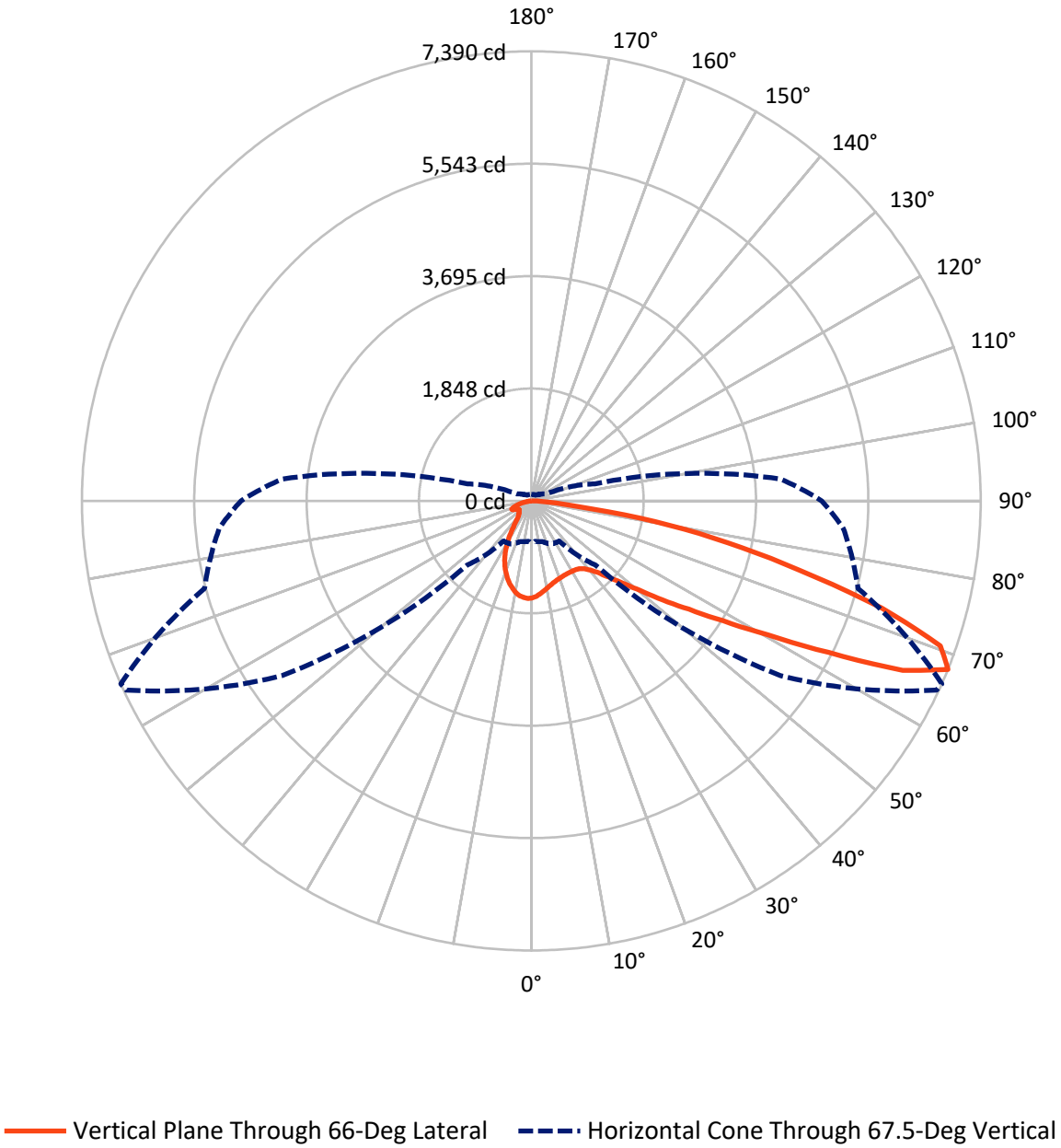
Luminous Intensity Polar Plot



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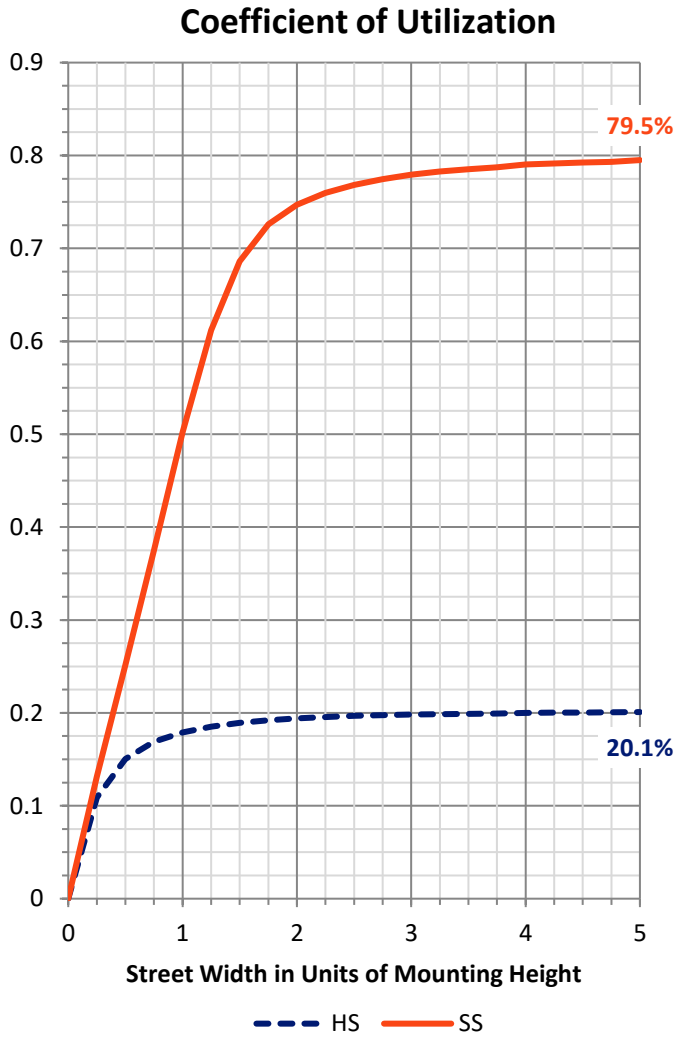
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1466.1	0.0	1466.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	5758.9	0.0	5758.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	7225.0	0.0	7225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	1.9
10°-20°	344.3	4.8
20°-30°	473.3	6.6
30°-40°	647.1	9.0
40°-50°	980.5	13.6
50°-60°	1524.3	21.1
60°-70°	1855.8	25.7
70°-80°	1130.4	15.6
80°-90°	129.1	1.8
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°	7225.0	100.0
0°-180°	7225.0	100.0



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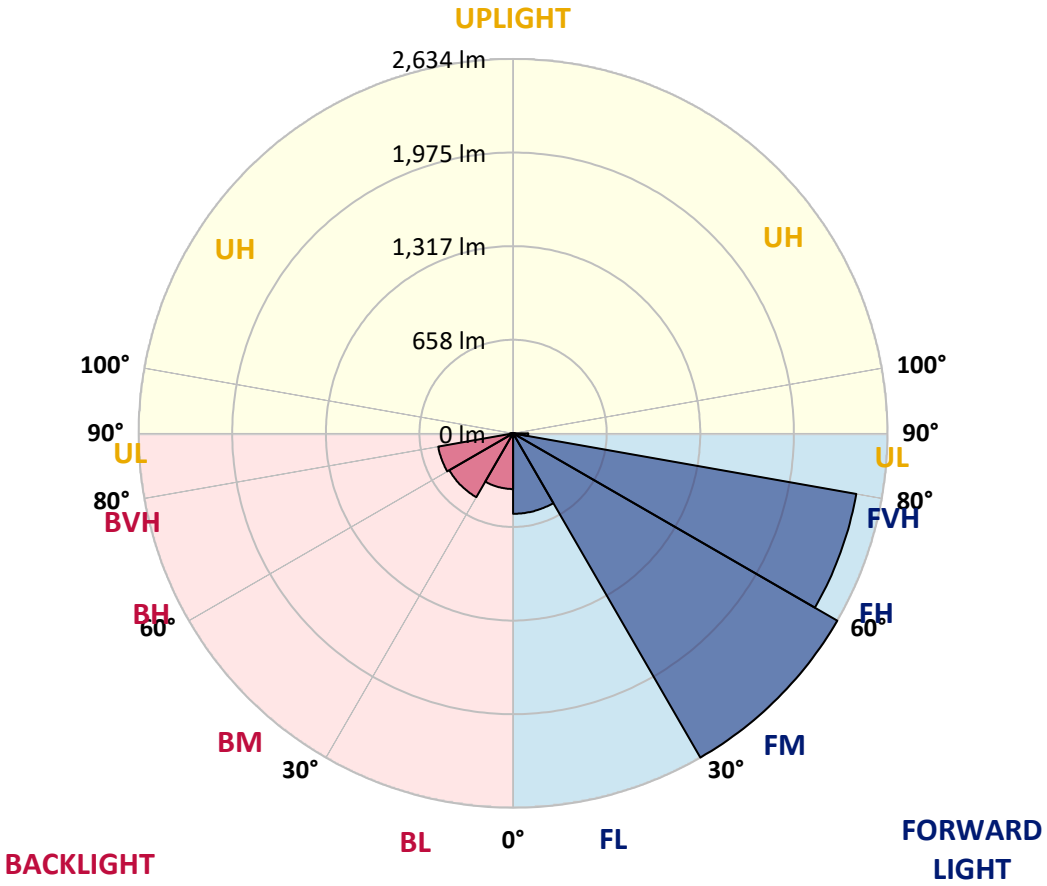
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	566.1	7.8			
FM	(30°-60°)	2633.8	36.5			
FH	(60°-80°)	2451.6	33.9			G2/5000
FVH	(80°-90°)	107.4	1.5			G2/225
BL	(0°-30°)	391.7	5.4	B1/500		
BM	(30°-60°)	518.1	7.2	B1/1000		
BH	(60°-80°)	534.6	7.4	B2/1000		G2/1000
BVH	(80°-90°)	21.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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REPORT NUMBER: P632532
CATALOG NUMBER: GWS-SA2C-830-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	*1596.5*	1596.5	1596.5
2.5°	1495.3	1500.6	1497.4	1517.5	1518.5	1543.8	1558.0	1570.2	*1571.2*	1587.0	1597.6
5°	1393.1	1396.2	1396.2	1415.2	1427.9	1461.6	1494.3	1529.1	*1531.7*	1569.6	1598.6
7.5°	1310.3	1313.5	1311.4	1336.7	1353.0	1390.4	1432.1	1485.3	*1490.6*	1551.7	1602.3
10°	1245.5	1244.4	1249.7	1272.9	1294.0	1338.8	1385.2	1445.8	*1453.7*	1531.2	1606.5
12.5°	1201.2	1202.3	1205.4	1229.7	1252.3	1296.6	1344.6	1410.5	*1418.9*	1507.4	1604.4
15°	1180.1	1178.0	1180.7	1202.8	1224.4	1263.4	1313.0	1380.9	*1389.4*	1486.4	1605.0
17.5°	1175.4	1173.8	1173.3	1189.1	1205.4	1241.8	1289.2	1358.3	*1367.2*	1472.7	1608.1
20°	1190.1	1188.0	1182.2	1189.1	1195.9	1226.5	1272.4	1341.9	*1352.0*	1463.7	1614.4
22.5°	1230.7	1227.0	1218.1	1209.6	1200.7	1219.1	1261.8	1329.8	*1339.8*	1457.9	1620.8
25°	1292.4	1289.2	1279.7	1260.8	1228.1	1224.9	1259.7	1324.5	*1334.6*	1453.7	1623.4
27.5°	1377.3	1372.5	1363.0	1335.6	1282.4	1246.5	1267.6	1324.0	*1333.5*	1448.9	1620.8
30°	1477.9	1474.8	1469.5	1436.3	1365.1	1292.4	1285.5	1328.2	*1335.6*	1446.3	1615.5
32.5°	1580.2	1577.0	1581.2	1565.4	1477.9	1368.3	1324.5	1339.8	*1345.1*	1445.8	1610.8
35°	1670.3	1674.0	1704.6	1707.2	1621.3	1471.1	1386.2	1366.7	*1367.8*	1456.3	1612.9
37.5°	1764.7	1778.9	1818.9	1853.2	1781.5	1607.1	1477.9	1417.3	*1416.3*	1483.2	1626.0
40°	1889.6	1895.9	1947.0	2011.3	1966.5	1793.6	1608.1	1500.1	*1492.7*	1538.0	1661.4
42.5°	2011.3	2026.6	2108.3	2182.1	2167.3	2004.0	1772.0	1623.9	*1610.8*	1635.0	1734.1
45°	2166.3	2181.0	2272.8	2367.6	2394.5	2241.7	1981.8	1800.0	*1786.8*	1781.0	1867.4
47.5°	2321.3	2336.5	2418.8	2555.8	2650.1	2538.9	2254.8	2032.4	*2010.8*	1988.1	2068.8
50°	2425.6	2443.5	2522.1	2686.5	2907.9	2910.0	2578.5	2337.1	*2309.7*	2273.8	2352.4
52.5°	2421.9	2433.5	2508.4	2698.1	3093.4	3336.4	3011.7	2725.0	*2702.9*	2624.8	2693.4
55°	2231.6	2249.0	2324.4	2561.6	3113.5	3740.7	3648.4	3182.5	*3143.0*	3003.3	3078.7
57.5°	1849.5	1864.3	1940.2	2232.7	2935.8	3947.8	4457.0	3765.4	*3711.2*	3415.5	3502.4
60°	1396.2	1378.3	1414.2	1670.3	2511.0	3953.1	5170.6	4556.1	*4465.4*	3856.1	3928.8
62.5°	1047.8	1029.9	1037.8	1110.0	1702.5	3633.7	5577.5	5637.6	*5487.9*	4353.7	4339.4
65°	828.0	818.0	840.7	890.2	992.5	2767.2	5580.7	6807.2	*6712.9*	4930.3	4760.6
67.5°	*674.7*	*668.3*	*691.5*	*783.2*	*804.8*	*1486.9*	*5004.1*	*7353.3*	*7390.2*	*5561.7*	*5151.1*
70°	543.4	533.9	570.3	691.0	748.5	899.7	3584.7	7075.0	*7134.5*	5938.1	5041.0
72.5°	375.3	375.8	394.3	559.8	722.6	776.9	2027.7	5891.2	*6020.3*	5597.0	4431.7
75°	253.0	255.1	260.4	369.5	665.7	753.7	1080.5	4460.1	*4551.3*	4626.2	3663.2
77.5°	152.9	153.9	166.0	223.5	459.1	703.6	732.1	3233.1	*3304.8*	3049.7	2270.7
80°	88.5	92.2	103.3	149.7	309.9	528.7	566.6	1982.3	*2063.5*	1355.6	721.6
82.5°	39.0	41.6	56.4	87.0	180.8	449.6	442.2	783.2	*771.6*	377.9	250.4
85°	6.9	8.4	12.1	27.4	66.4	237.2	343.1	345.8	*325.2*	143.4	103.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	51.7	92.8	*92.2*	40.6	35.8
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: P632532
CATALOG NUMBER: GWS-SA2C-830-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5	1596.5
2.5°	1604.4	1590.2	1602.8	1604.4	1601.8	1599.7	1583.9	1570.2	1568.6	1553.8	1553.8
5°	1610.2	1597.0	1603.4	1591.2	1572.3	1552.8	1519.0	1495.8	1485.3	1466.3	1466.3
7.5°	1618.1	1604.4	1597.0	1567.0	1522.7	1480.0	1425.7	1380.4	1362.0	1335.1	1334.0
10°	1625.5	1608.1	1582.8	1524.3	1453.7	1385.7	1306.6	1242.3	1198.6	1166.4	1166.4
12.5°	1625.0	1602.3	1552.2	1465.8	1368.3	1269.7	1164.3	1067.3	1009.4	959.3	956.1
15°	1623.9	1592.8	1513.2	1397.8	1268.7	1132.2	988.8	862.3	776.4	727.4	723.2
17.5°	1622.9	1580.7	1469.5	1320.3	1147.4	961.4	772.2	635.1	563.4	533.4	534.5
20°	1622.9	1567.0	1422.6	1231.3	1007.8	756.9	566.6	467.0	449.1	450.7	452.2
22.5°	1618.1	1550.1	1370.4	1134.3	852.3	556.6	418.0	384.2	393.7	408.5	410.6
25°	1607.1	1522.2	1309.8	1026.7	667.3	405.3	341.0	334.7	352.1	370.5	375.8
27.5°	1589.7	1490.1	1241.8	900.8	491.2	325.7	299.9	299.4	313.1	326.8	331.5
30°	1571.2	1454.2	1170.1	760.6	355.8	283.6	273.6	273.6	280.4	288.8	287.8
32.5°	1549.6	1417.8	1093.2	614.6	289.9	259.8	256.7	255.1	256.2	259.3	259.3
35°	1531.2	1385.7	1014.1	460.1	259.8	246.7	243.5	239.8	238.2	236.1	237.2
37.5°	1524.3	1360.4	932.4	346.8	245.1	237.2	231.9	226.6	223.0	221.9	221.4
40°	1535.4	1349.8	850.7	285.7	234.5	227.2	221.4	214.5	211.4	211.4	211.4
42.5°	1578.6	1357.8	767.4	258.3	227.2	218.7	210.3	204.0	202.9	204.0	204.5
45°	1657.7	1388.3	681.0	244.6	220.8	210.3	200.3	195.5	195.5	196.6	196.6
47.5°	1798.9	1468.4	595.6	236.1	214.5	203.5	192.9	188.2	187.6	188.7	188.7
50°	2043.5	1612.9	518.6	230.3	209.8	198.2	187.6	181.3	179.7	179.2	179.2
52.5°	2351.8	1863.2	469.6	226.1	204.0	192.4	181.8	173.4	170.2	168.7	168.7
55°	2724.5	2196.9	469.6	223.0	196.6	185.5	173.4	165.0	160.2	158.1	158.1
57.5°	3146.7	2585.3	550.8	220.3	190.8	177.6	164.4	156.0	150.7	147.6	147.6
60°	3576.2	2995.9	751.6	216.6	185.5	167.6	154.4	146.5	139.7	136.0	135.5
62.5°	4021.6	3448.1	1016.2	218.7	181.8	158.1	143.9	134.9	129.1	125.4	124.9
65°	4429.6	3878.8	1247.6	235.1	182.4	149.7	131.8	123.9	119.1	114.4	113.8
67.5°	*4775.9*	*4116.5*	*1085.3*	*268.3*	*193.4*	*139.7*	*119.6*	*111.7*	*107.5*	*104.4*	*103.8*
70°	4533.4	3753.9	615.6	288.8	208.7	129.1	105.9	100.7	96.5	94.3	93.8
72.5°	3876.7	3178.3	411.6	255.1	190.3	115.4	93.3	89.1	85.9	83.3	82.8
75°	3140.3	2520.5	314.7	209.3	148.1	93.8	80.1	77.0	73.8	71.2	70.6
77.5°	1858.0	1456.3	231.9	165.5	104.4	73.3	66.4	63.8	60.6	58.5	58.0
80°	593.0	506.0	147.1	113.8	69.0	56.4	51.1	49.0	45.9	43.2	42.7
82.5°	226.1	195.5	78.0	58.0	45.9	38.5	34.3	32.2	30.0	27.4	26.9
85°	100.1	93.8	43.2	31.1	24.8	19.0	16.9	15.8	13.2	11.1	10.5
87.5°	35.3	35.3	18.4	9.0	5.3	2.6	1.6	0.5	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

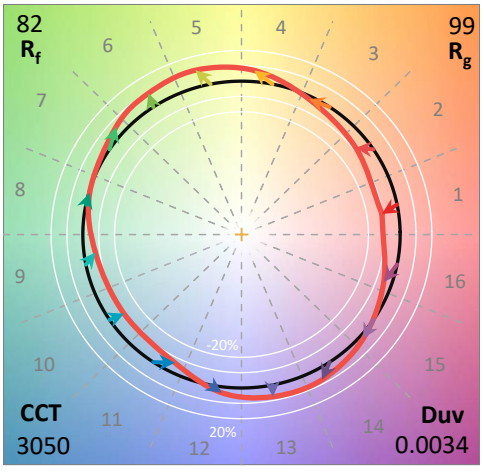
Test Information

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

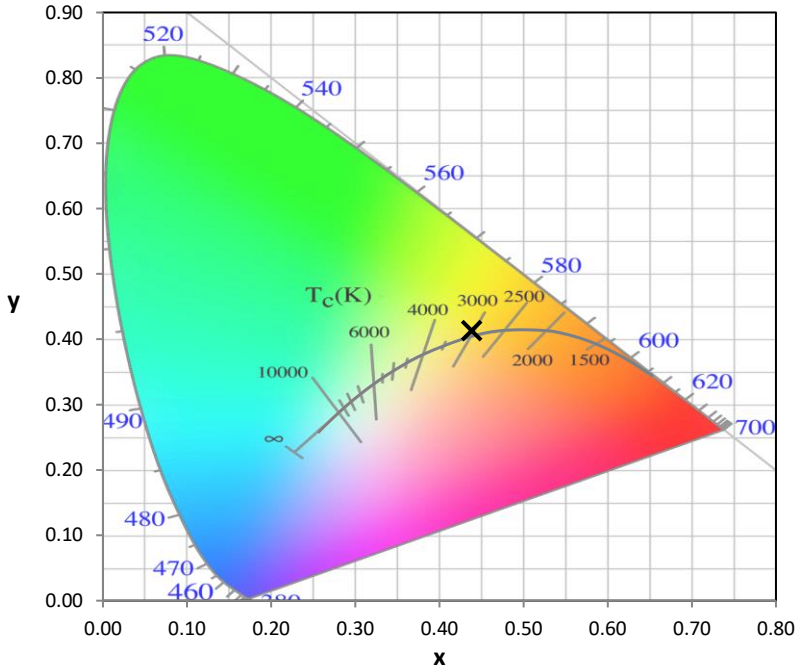
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

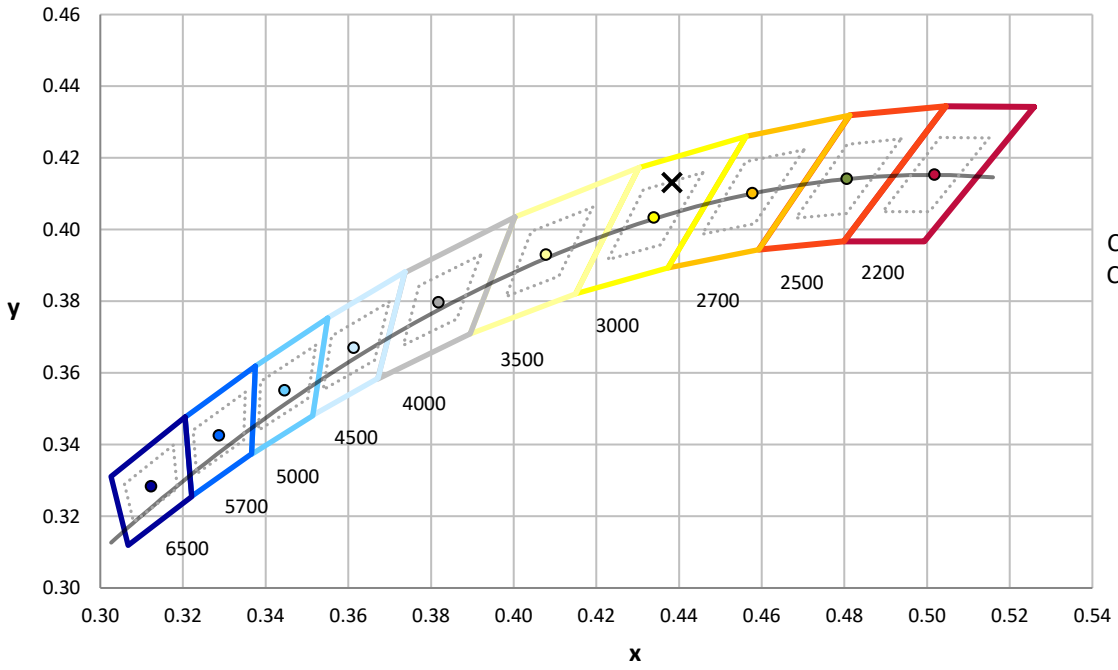
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

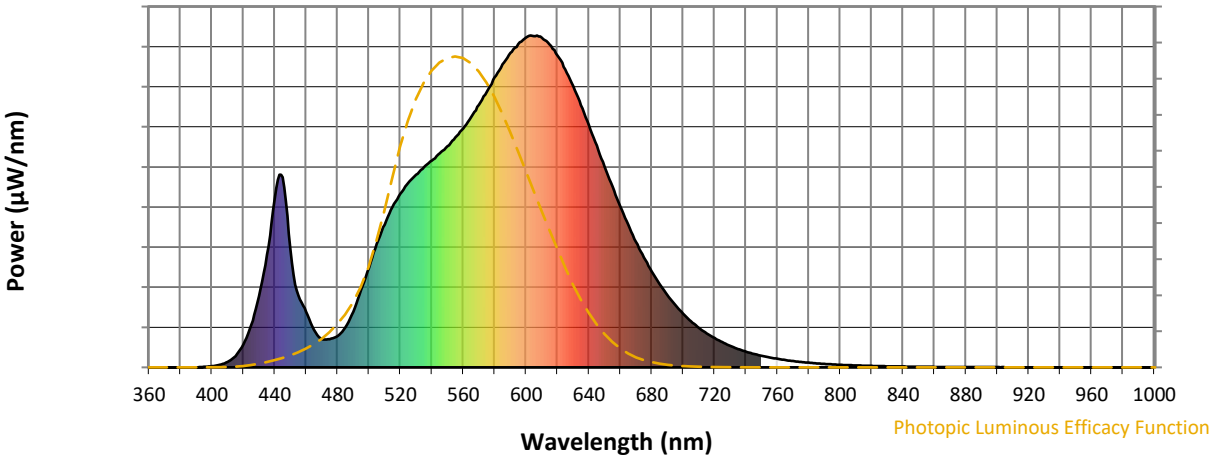


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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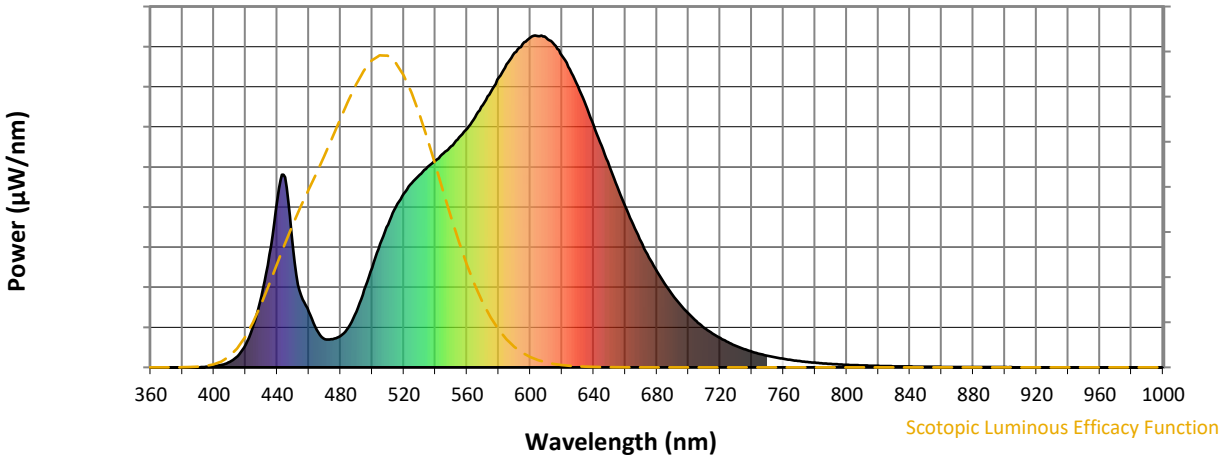
Scotopic Flux vs. Wavelength



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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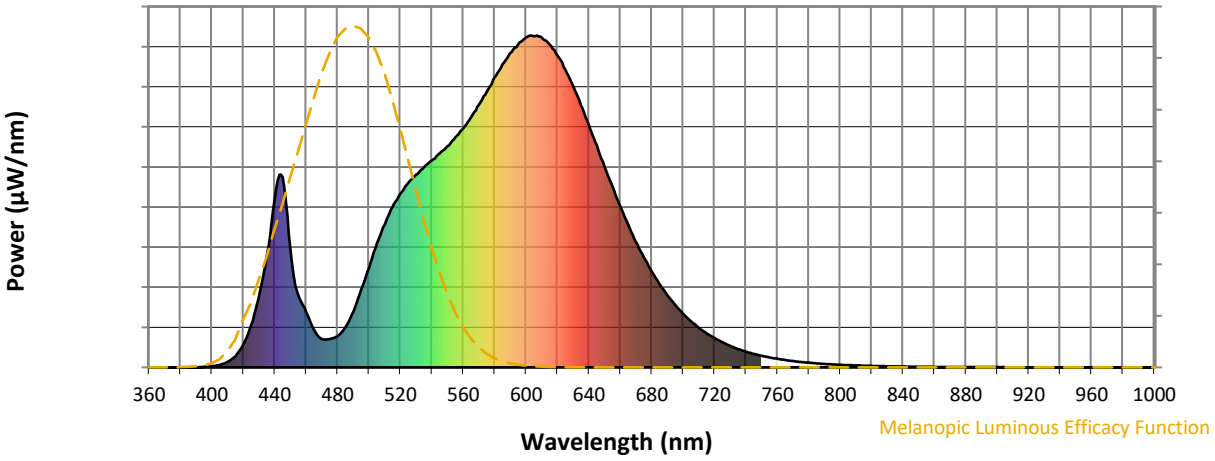
Melanopic Flux vs. Wavelength



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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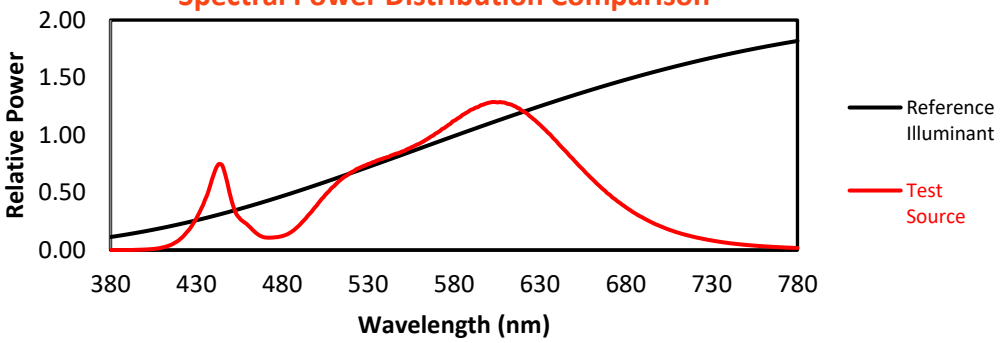
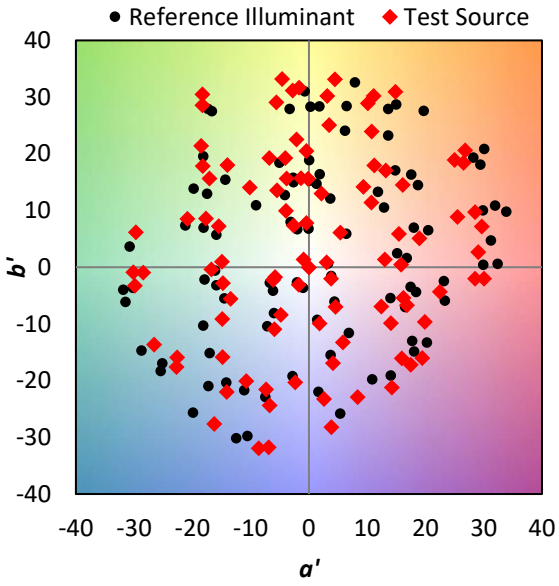
Summary

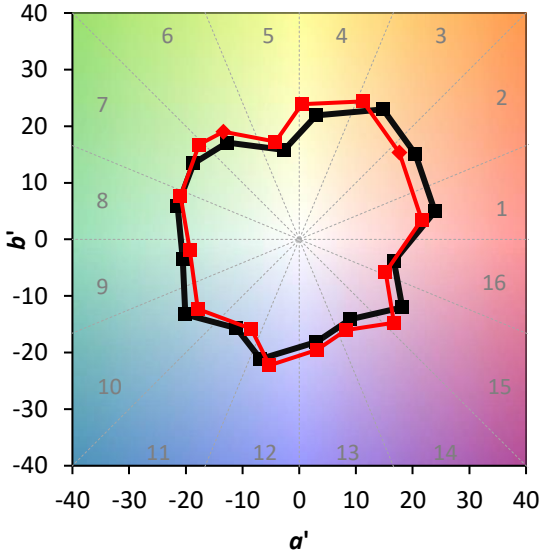
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

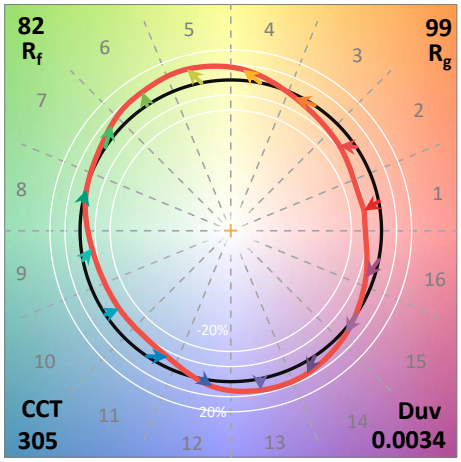
Spectral Power Distribution Comparison

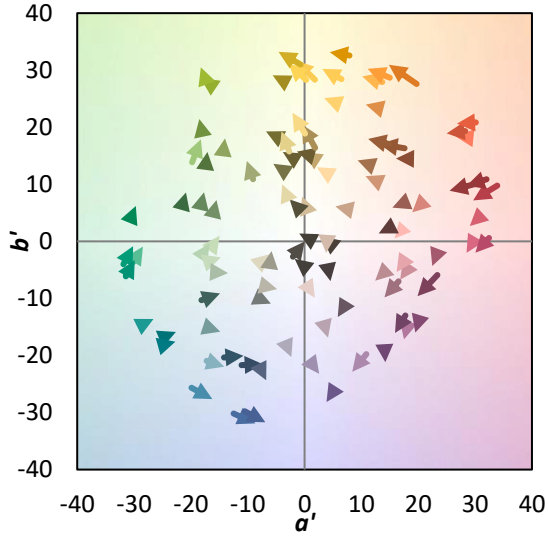


Color Vector Graphics









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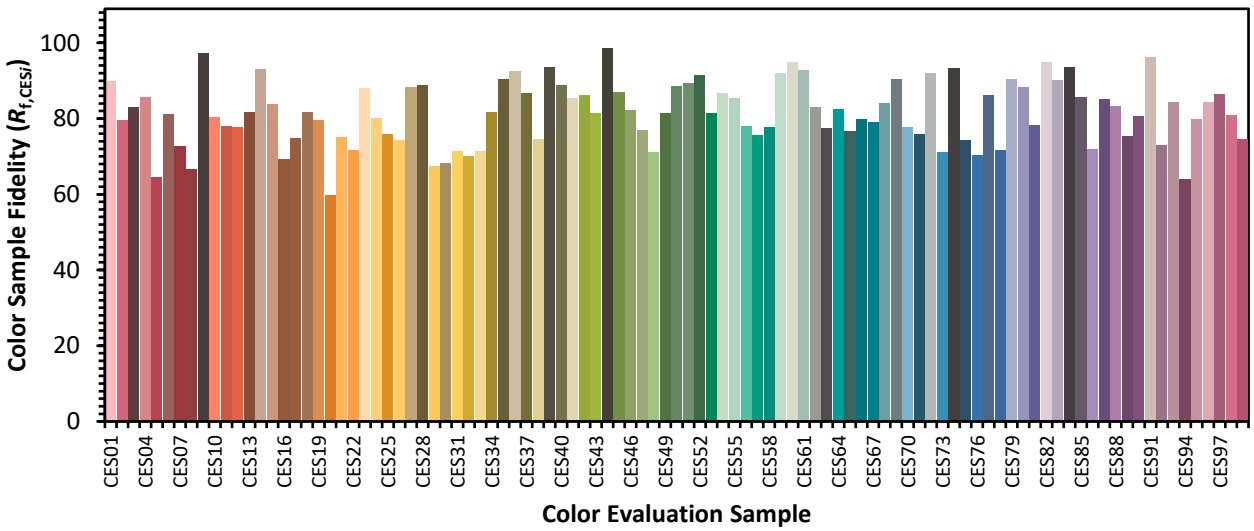
Individual Sample Fidelity Index ($R_{f,i}$)

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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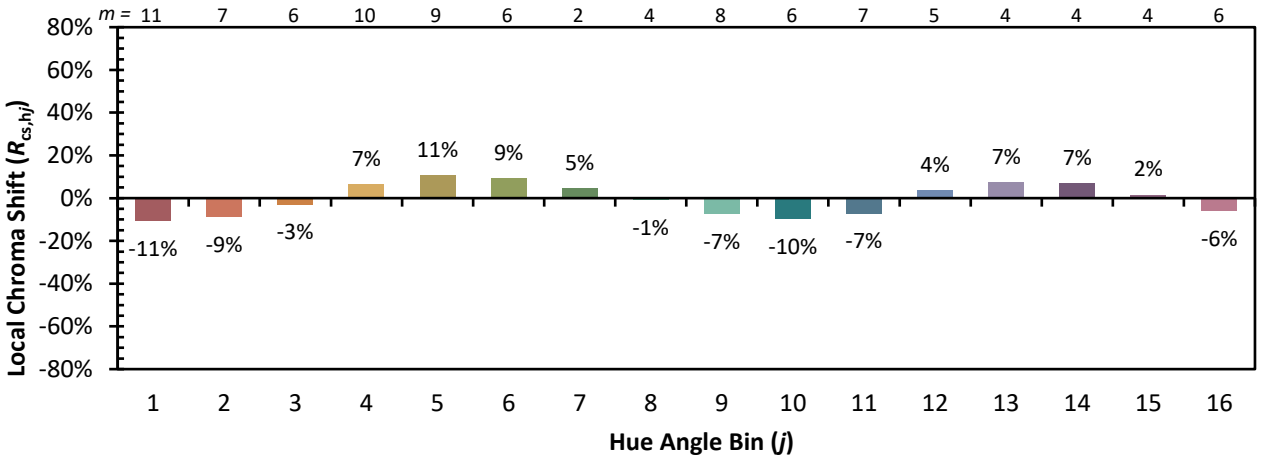
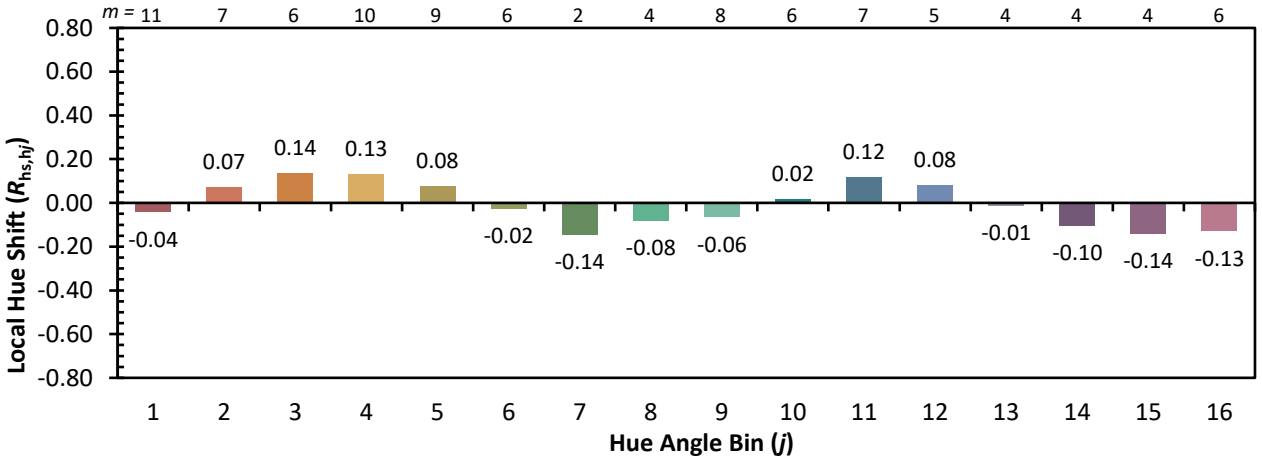
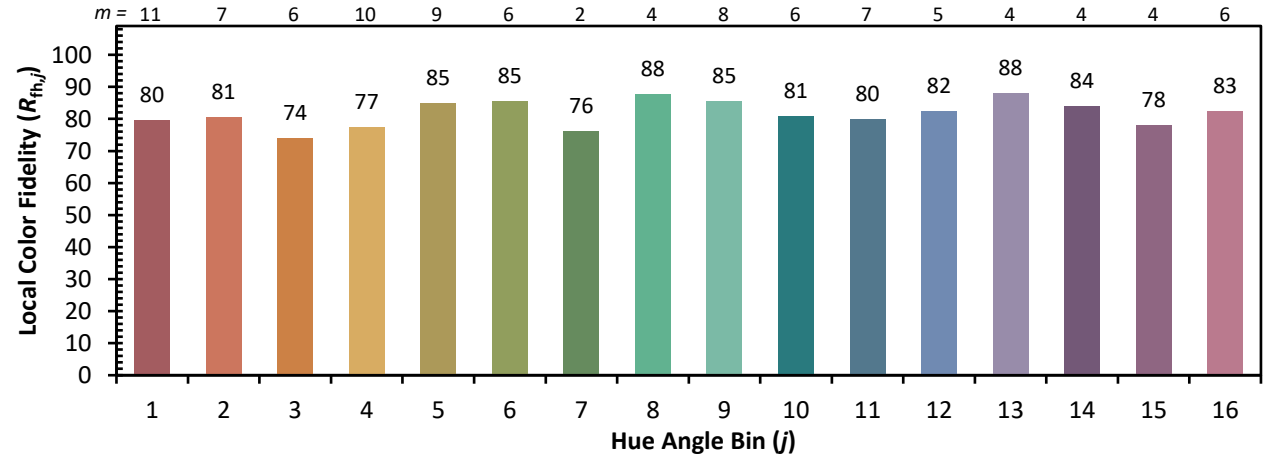
Color Rendition by Hue-Angle Bin







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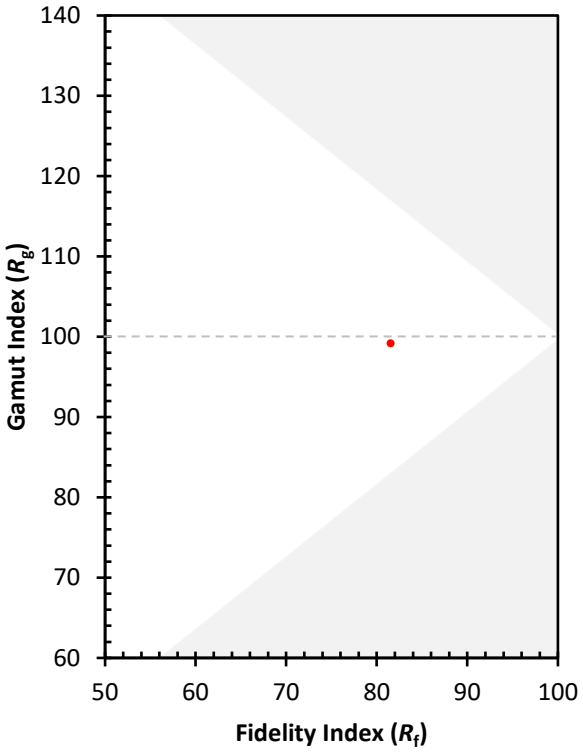
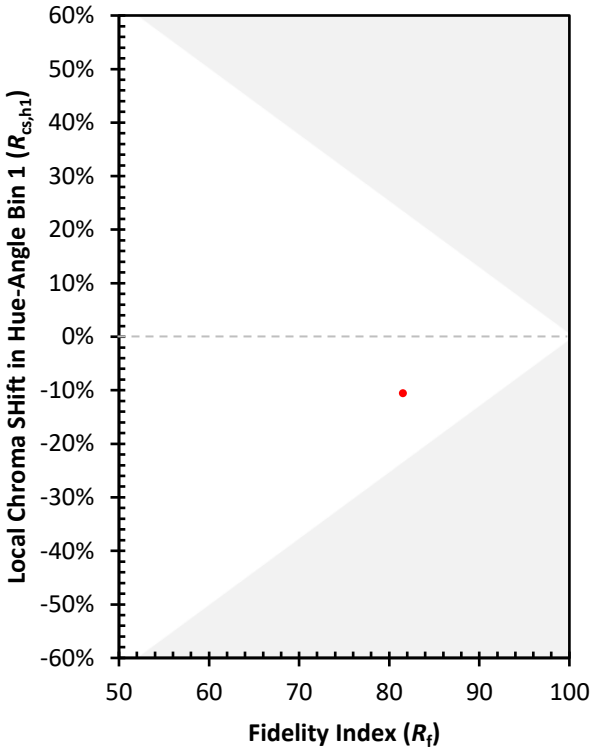
Measure Comparisons





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