Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P386275

Luminaire Tested: **GPC-SA1D-830-U-SL3**

Issue Date: 3/3/2020

Report Generated By 670245982

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P386275
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1D-830-U-SL3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6585 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 III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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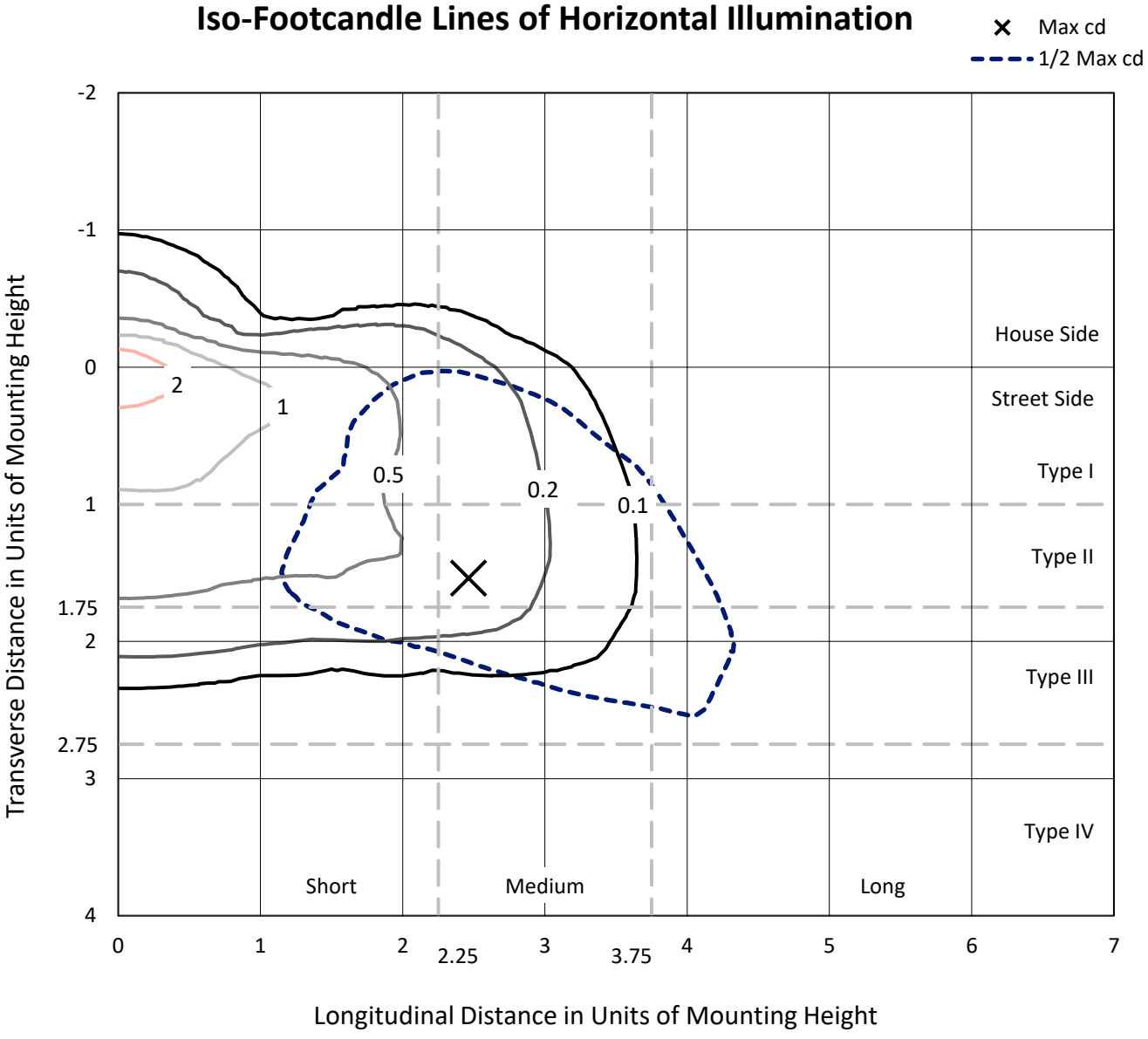
Scaled Data Report

REPORT NUMBER: P386275
CATALOG NUMBER: GPC-SA1D-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type III - Medium - N/A

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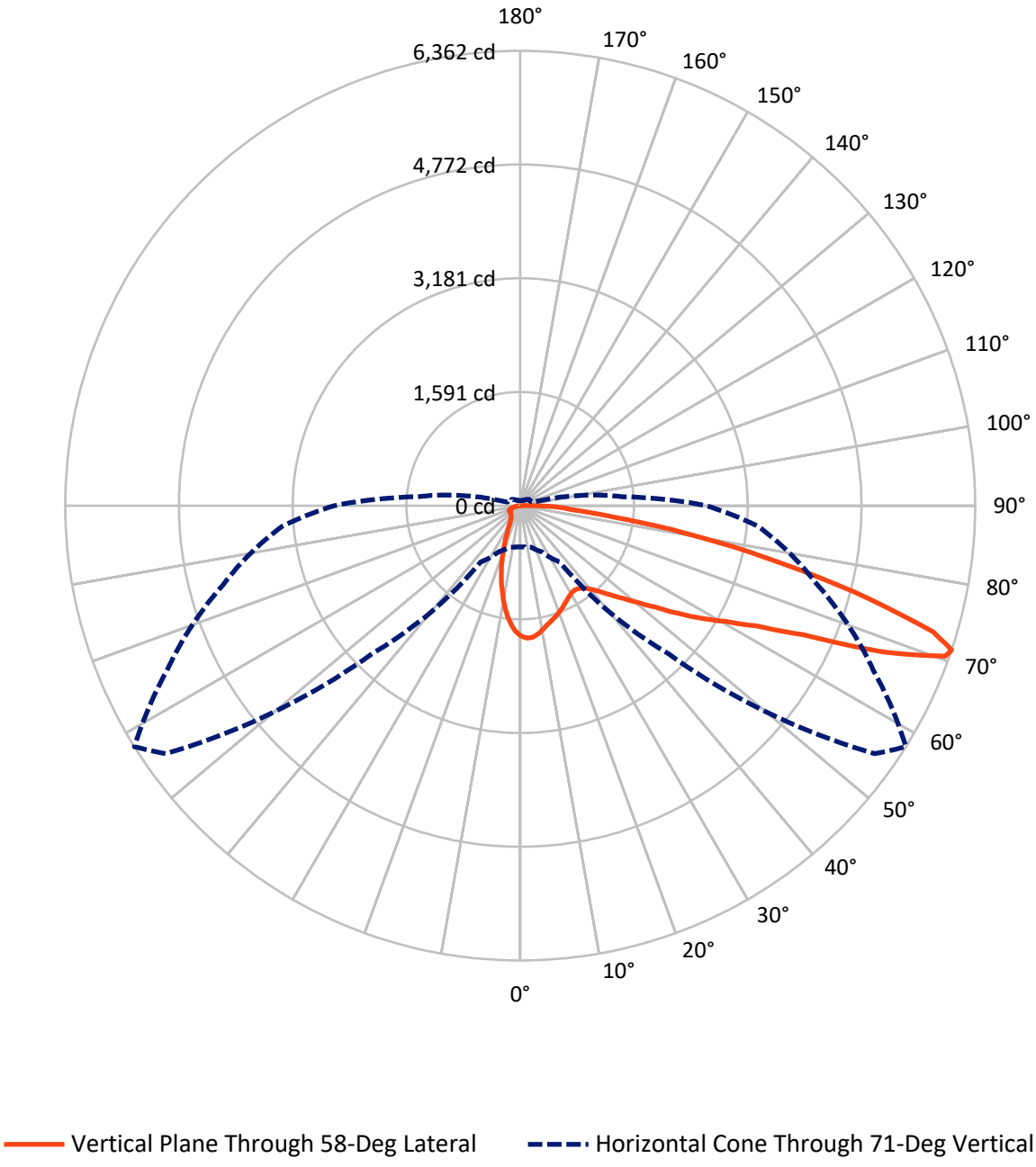
Luminous Intensity Polar Plot



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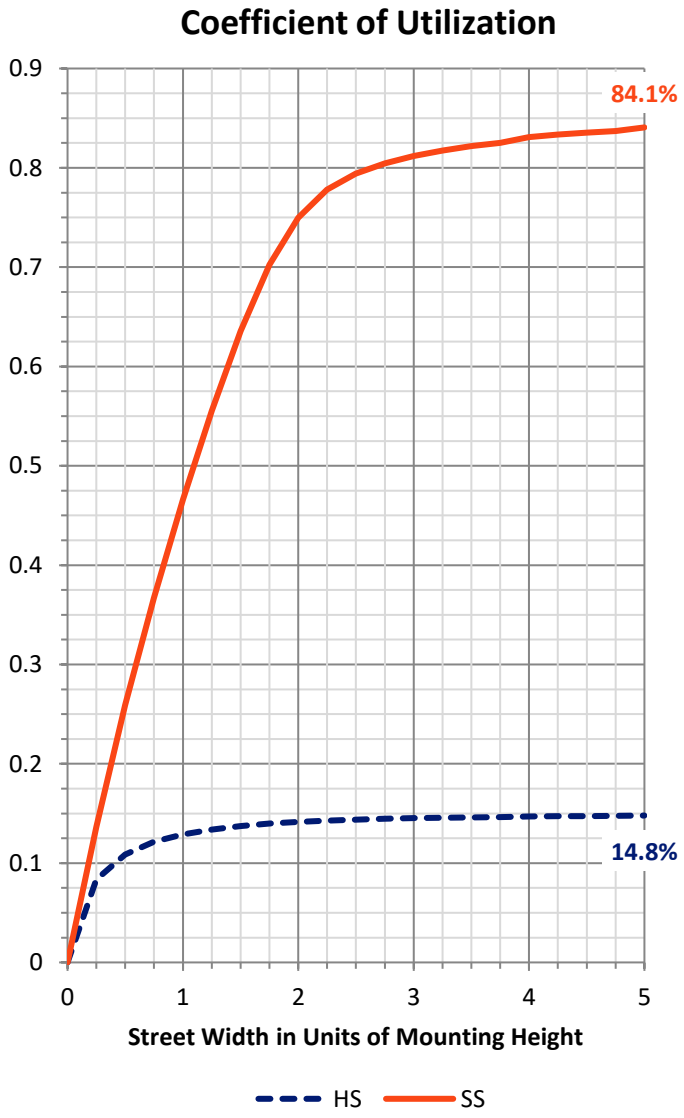
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	984.5	0.0	984.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	5600.5	0.0	5600.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	6585.0	0.0	6585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.4	2.4
10°-20°	350.0	5.3
20°-30°	444.8	6.8
30°-40°	566.6	8.6
40°-50°	803.5	12.2
50°-60°	1243.4	18.9
60°-70°	1692.7	25.7
70°-80°	1129.2	17.1
80°-90°	197.4	3.0
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°	6585.0	100.0
0°-180°	6585.0	100.0



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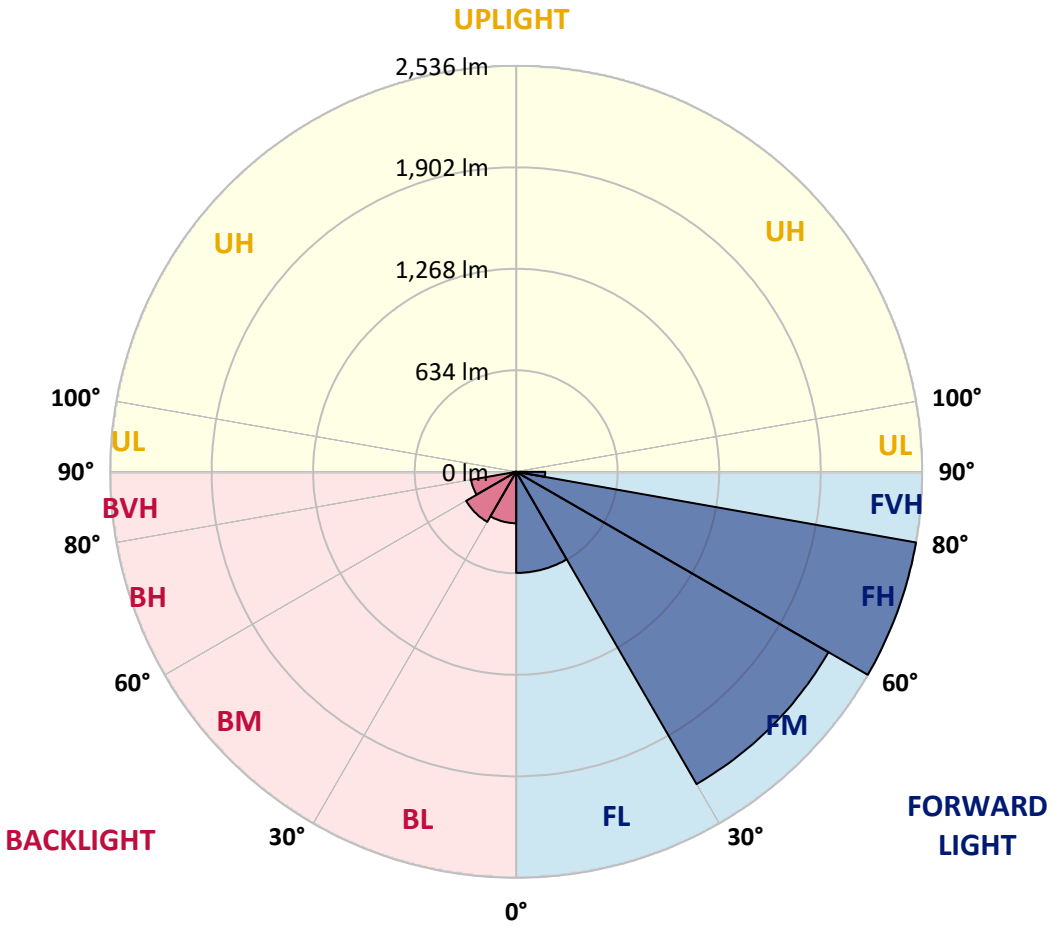
CATALOG NUMBER: GPC-SA1D-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	631.3	9.6			
FM	(30°-60°)	2252.4	34.2			
FH	(60°-80°)	2535.8	38.5			G2/5000
FVH	(80°-90°)	181.0	2.7			G2/225
BL	(0°-30°)	320.9	4.9	B1/500		
BM	(30°-60°)	361.0	5.5	B1/1000		
BH	(60°-80°)	286.1	4.3	B1/500		G1/500
BVH	(80°-90°)	16.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	*1824.5*	1824.5	1824.5	1824.5
2.5°	1872.9	1870.4	1871.3	1869.4	1865.1	1860.7	1854.3	*1855.5*	1846.5	1833.2	1816.7
5°	1837.6	1836.6	1843.5	1847.4	1850.6	1848.1	1846.3	*1848.6*	1835.5	1817.1	1788.5
7.5°	1763.5	1753.4	1762.1	1775.2	1787.6	1797.0	1809.3	*1811.0*	1802.7	1783.4	1745.8
10°	1658.2	1648.6	1661.4	1681.8	1706.6	1729.1	1754.1	*1758.7*	1760.3	1742.8	1697.2
12.5°	1549.0	1541.7	1554.5	1583.2	1624.2	1658.9	1698.8	*1705.7*	1719.9	1708.2	1652.2
15°	1451.3	1448.5	1464.1	1492.3	1539.6	1592.6	1650.2	*1662.8*	1686.9	1683.0	1617.1
17.5°	1366.9	1366.2	1378.1	1407.7	1460.0	1527.0	1601.8	*1623.1*	1658.9	1663.5	1588.2
20°	1304.0	1302.6	1310.9	1332.7	1386.6	1462.5	1549.5	*1578.8*	1630.4	1646.5	1558.4
22.5°	1270.3	1270.1	1270.3	1280.6	1324.7	1395.3	1498.5	*1534.3*	1602.7	1633.0	1525.4
25°	1264.6	1263.9	1258.8	1257.7	1282.7	1339.1	1448.1	*1487.5*	1576.3	1623.5	1493.9
27.5°	1279.5	1280.4	1273.7	1263.0	1268.0	1302.2	1404.3	*1446.5*	1555.2	1621.7	1472.2
30°	1310.4	1310.0	1304.3	1293.0	1283.1	1288.4	1373.1	*1415.3*	1541.0	1629.7	1457.2
32.5°	1344.6	1347.1	1346.0	1339.8	1325.1	1304.0	1363.7	*1404.9*	1536.8	1649.0	1450.8
35°	1385.7	1388.4	1396.7	1401.5	1384.3	1350.4	1383.8	*1419.6*	1548.8	1685.3	1461.1
37.5°	1424.7	1431.8	1455.0	1475.4	1460.7	1422.8	1437.5	*1463.0*	1585.7	1742.4	1488.9
40°	1469.6	1475.8	1513.7	1557.0	1554.7	1515.5	1524.0	*1541.0*	1650.8	1824.3	1539.1
42.5°	1513.9	1526.3	1581.1	1642.6	1660.2	1625.6	1639.1	*1648.1*	1742.6	1932.8	1626.8
45°	1572.9	1586.2	1662.3	1736.4	1777.7	1758.2	1779.8	*1783.2*	1858.0	2080.5	1754.1
47.5°	1662.1	1677.2	1766.0	1843.8	1906.8	1908.9	1944.5	*1943.1*	2002.0	2249.5	1914.4
50°	1801.1	1822.9	1895.6	1968.3	2044.9	2087.6	2135.1	*2128.4*	2174.7	2429.6	2099.1
52.5°	1983.2	1993.3	2047.2	2100.9	2196.1	2291.7	2359.9	*2353.9*	2370.6	2614.7	2308.7
55°	2172.0	2179.6	2201.8	2231.2	2359.2	2515.1	2659.2	*2649.8*	2607.4	2806.9	2515.8
57.5°	2341.7	2357.1	2372.5	2384.6	2523.4	2748.7	2965.4	*2966.1*	2864.3	3014.3	2729.8
60°	2368.1	2381.6	2483.3	2579.1	2804.4	3060.2	3293.2	*3286.3*	3130.1	3239.3	2968.4
62.5°	2093.3	2123.8	2293.6	2548.6	3075.1	3629.9	3711.4	*3702.9*	3448.0	3516.6	3246.2
65°	1500.1	1534.8	1739.6	2122.9	2943.9	4257.7	4466.0	*4351.8*	3881.6	3857.7	3571.4
67.5°	865.4	873.7	962.5	1270.3	2241.5	4290.5	5617.3	*5457.4*	4554.8	4244.7	3730.6
70°	640.0	639.7	660.8	781.7	1213.0	3501.7	6164.8	*6308.2*	5263.6	4372.0	3505.6
71°	*578.7*	*579.4*	*603.0*	*711.5*	*960.6*	*2931.0*	*6048.5*	*6362.3*	*5450.3*	*4309.1*	*3342.7*
72.5°	495.0	497.3	530.1	638.1	808.1	2021.3	5547.5	*6037.5*	5538.8	4154.1	3087.9
75°	375.5	380.8	426.2	537.9	738.6	1025.1	4071.5	*4821.1*	4920.4	3665.5	2294.5
77.5°	267.9	273.9	325.3	452.3	702.1	772.6	2726.6	*3516.6*	3621.0	2349.1	1035.0
80°	169.3	176.4	215.2	359.9	659.7	733.6	1713.5	*2363.8*	1974.5	751.7	263.3
82.5°	99.3	104.8	133.5	235.1	538.8	706.5	1008.1	*1310.2*	768.4	227.1	119.7
85°	57.6	60.1	83.3	149.8	391.3	666.8	740.7	*732.4*	333.5	111.0	56.7
87.5°	26.8	29.8	49.3	78.2	217.2	483.3	585.4	*505.8*	207.4	52.1	26.6
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: P386275
CATALOG NUMBER: GPC-SA1D-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5	1824.5
2.5°	1808.7	1804.8	1788.5	1774.0	1758.9	1739.2	1717.4	1714.6	1701.3	1703.8	1699.2
5°	1772.9	1763.0	1723.8	1688.2	1646.3	1608.6	1567.8	1549.0	1521.9	1520.1	1513.2
7.5°	1721.7	1703.4	1642.6	1575.1	1507.7	1443.5	1379.9	1338.2	1295.5	1277.4	1275.8
10°	1664.1	1633.0	1543.5	1443.7	1346.5	1252.6	1161.8	1094.6	1034.0	1005.4	1004.2
12.5°	1609.6	1563.5	1440.7	1304.9	1171.9	1050.3	925.8	837.5	761.5	736.1	725.3
15°	1563.2	1498.3	1340.7	1167.1	1005.6	836.8	695.0	602.1	531.9	507.6	503.0
17.5°	1518.3	1434.8	1238.2	1027.8	832.6	647.1	505.1	436.1	398.7	388.8	388.6
20°	1473.5	1369.4	1131.1	885.4	665.4	484.0	388.3	357.4	344.8	343.6	341.8
22.5°	1422.8	1300.1	1018.4	742.5	519.3	380.5	330.1	317.7	316.1	320.2	320.2
25°	1375.4	1231.3	904.2	602.6	403.9	317.5	294.8	292.2	296.6	303.9	304.6
27.5°	1331.1	1165.0	792.7	478.3	323.7	279.6	270.2	273.2	281.0	289.5	289.7
30°	1294.6	1102.4	684.5	376.9	273.4	251.4	249.8	255.8	264.2	270.9	272.5
32.5°	1266.4	1049.0	579.9	303.0	240.6	230.3	231.7	236.7	242.0	245.7	248.2
35°	1253.3	1003.1	483.3	255.5	219.7	214.0	215.8	218.6	220.9	223.6	225.7
37.5°	1255.6	967.5	397.1	225.9	205.8	202.8	202.8	202.8	202.8	204.1	204.4
40°	1277.0	947.1	326.9	207.1	196.3	193.1	190.6	188.3	186.5	187.4	186.9
42.5°	1331.5	945.3	275.5	195.2	188.8	183.5	178.5	175.2	173.0	173.9	174.3
45°	1424.2	968.2	240.8	186.7	181.7	173.6	167.2	163.8	162.2	165.2	165.6
47.5°	1544.2	1018.2	219.7	180.5	175.0	164.5	157.6	154.4	154.8	159.2	160.3
50°	1698.8	1099.4	209.7	176.6	170.4	156.7	149.6	146.8	148.2	154.4	155.7
52.5°	1868.5	1216.4	210.8	175.5	167.4	150.9	143.4	140.2	142.4	148.2	149.3
55°	2064.4	1357.0	229.8	177.1	163.1	147.3	138.3	132.8	134.6	139.9	140.8
57.5°	2282.1	1518.0	268.1	176.6	157.6	143.8	133.0	124.8	126.2	129.4	130.3
60°	2508.7	1712.5	327.6	178.0	155.1	139.7	125.9	115.6	115.1	117.9	118.4
62.5°	2780.8	1937.6	395.5	178.9	156.7	134.4	116.5	106.4	105.1	105.7	106.2
65°	3061.1	2100.4	370.0	175.2	161.7	130.1	108.3	97.5	95.0	94.5	94.7
67.5°	3069.8	1925.9	259.4	167.9	163.8	127.8	102.1	89.9	85.8	84.2	84.0
70°	2753.0	1564.6	202.1	160.1	155.5	124.1	96.3	83.7	77.5	75.0	74.8
71°	*2598.4*	*1440.3*	*191.5*	*156.2*	*149.3*	*120.4*	*93.8*	*81.0*	*74.5*	*71.8*	*71.3*
72.5°	2356.0	1291.2	178.7	150.0	137.4	111.0	89.0	77.1	70.4	67.2	66.5
75°	1690.8	844.3	153.5	133.7	113.8	88.5	78.0	69.3	63.5	59.6	59.2
77.5°	651.4	336.0	116.1	111.2	87.2	69.3	64.2	59.9	55.7	51.8	51.6
80°	201.4	150.2	84.6	83.7	63.1	51.6	50.0	48.9	47.3	43.1	42.2
82.5°	107.6	86.2	58.3	54.1	41.3	34.4	36.2	36.7	36.9	32.6	32.1
85°	51.4	45.6	32.8	30.7	24.1	19.3	22.2	24.1	24.3	20.0	18.6
87.5°	24.5	23.9	15.4	11.7	8.9	6.4	7.8	9.6	10.6	7.6	6.7
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

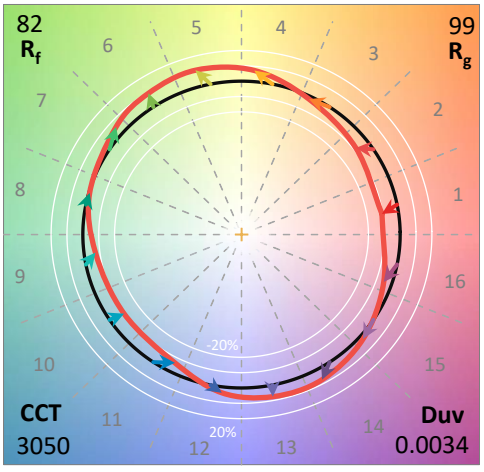
Test Information

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

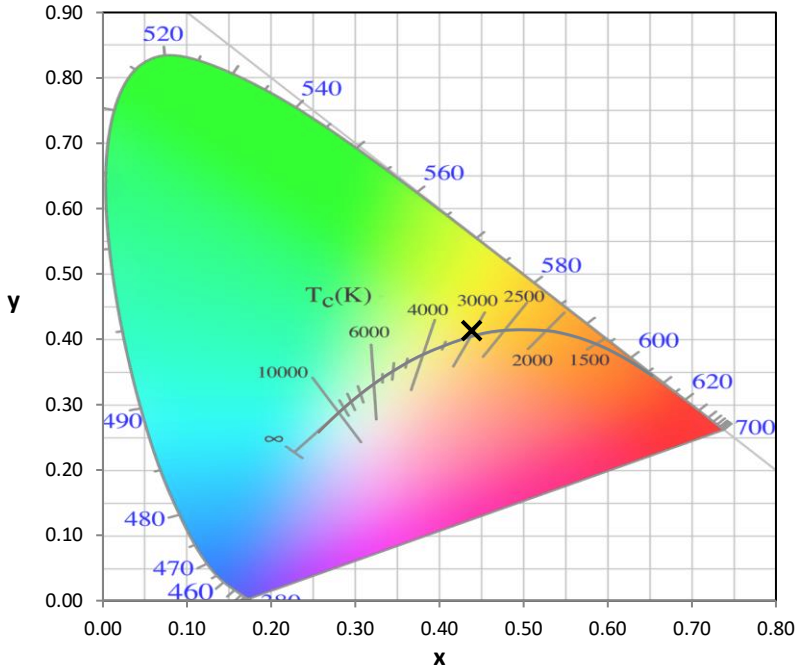
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

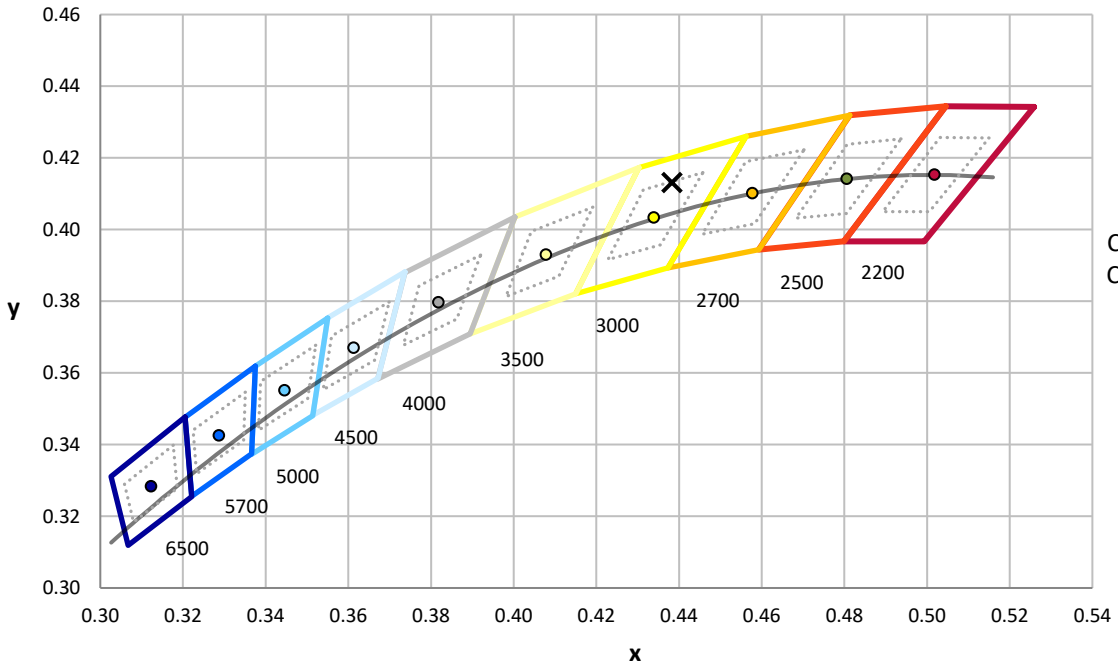
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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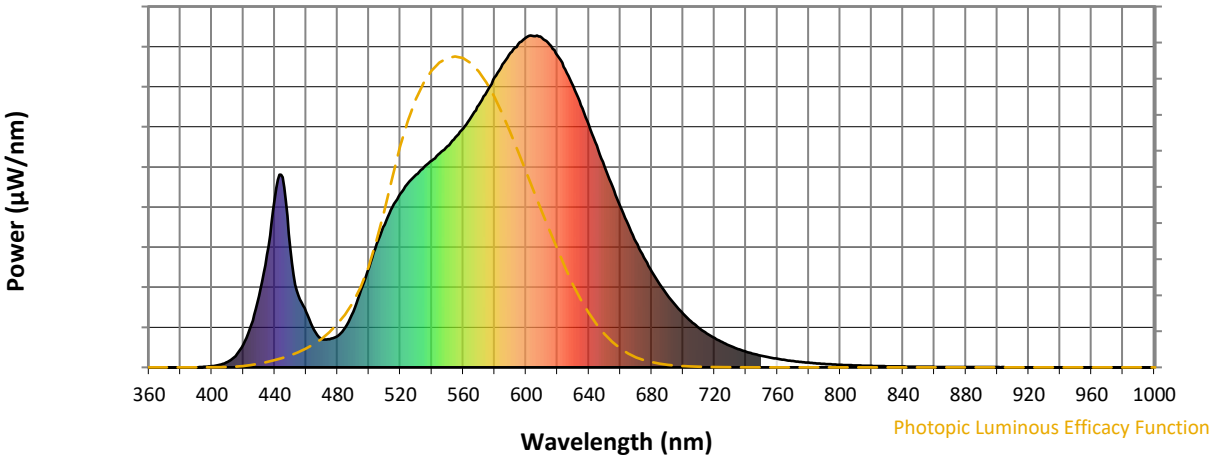
Photopic Flux vs. Wavelength



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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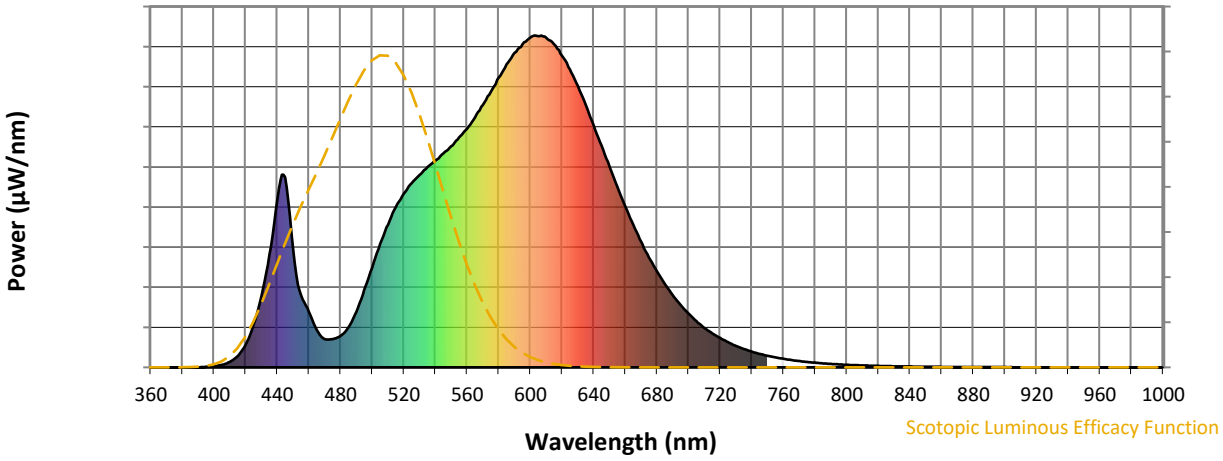
Scotopic Flux vs. Wavelength



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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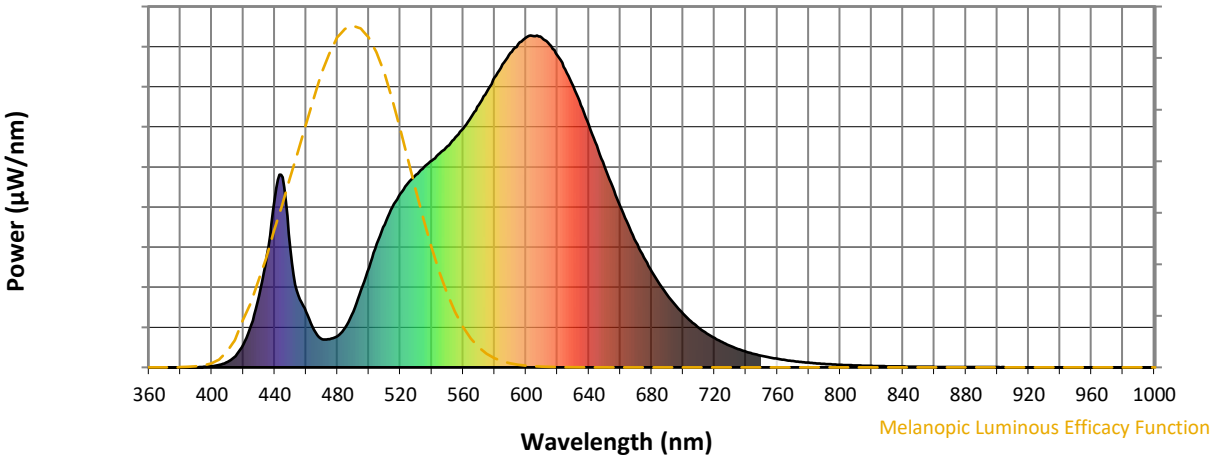
Melanopic Flux vs. Wavelength



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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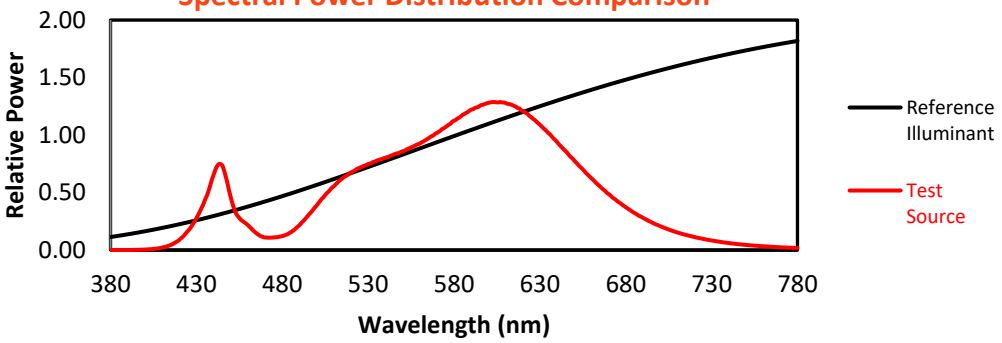
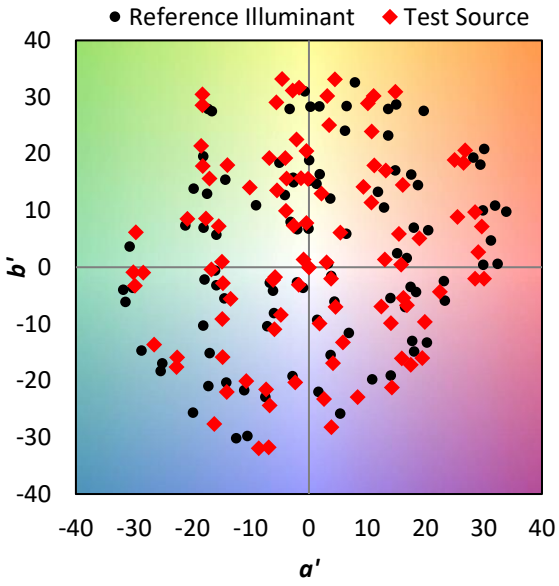
Summary

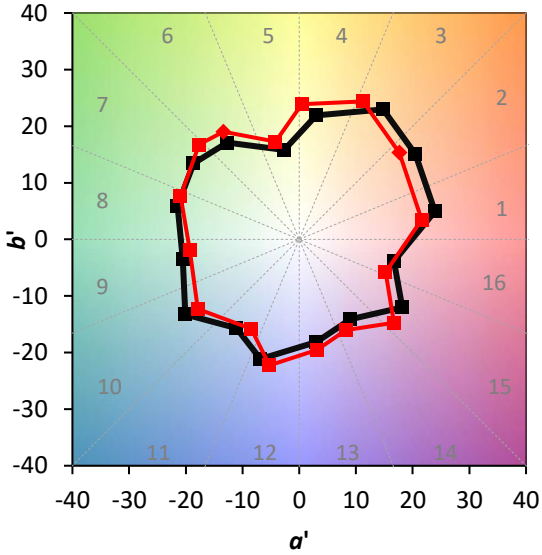
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

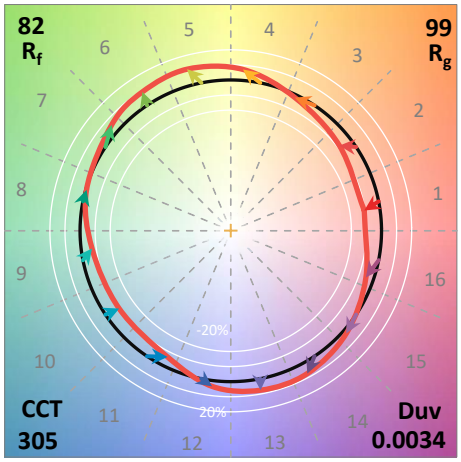
Spectral Power Distribution Comparison

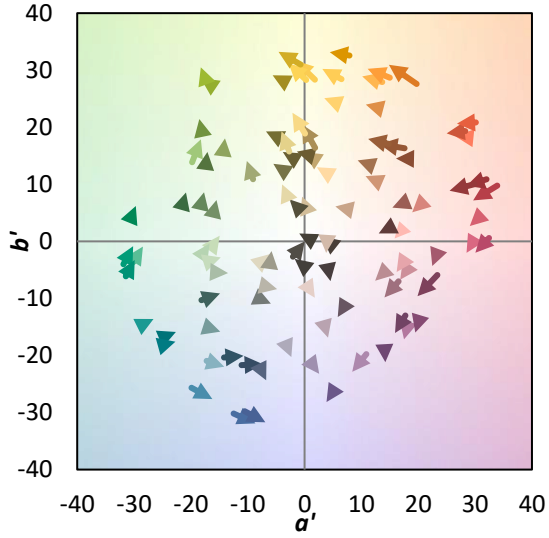


Color Vector Graphics









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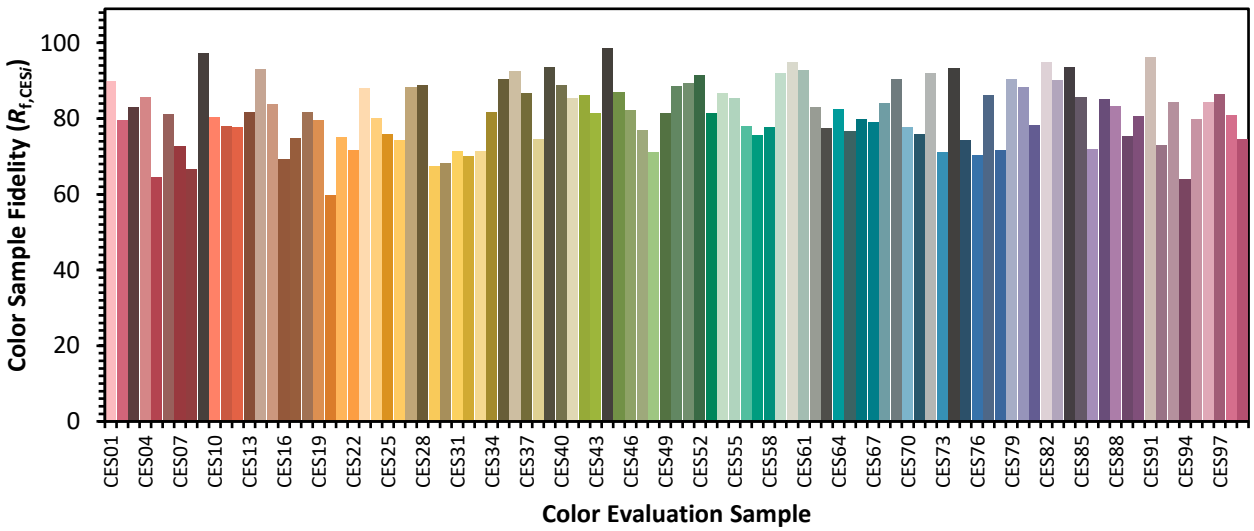
Individual Sample Fidelity Index ($R_{f,i}$)

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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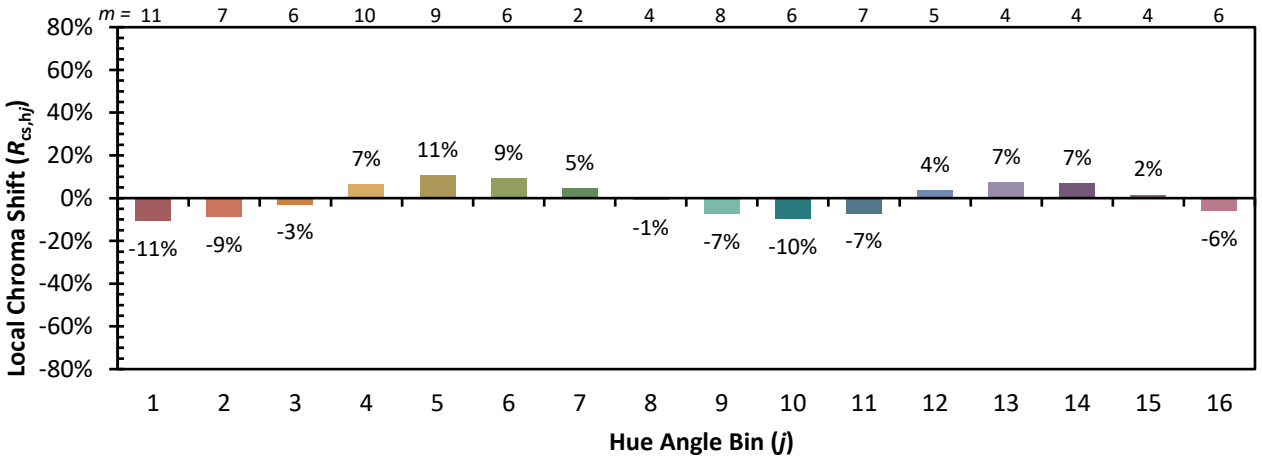
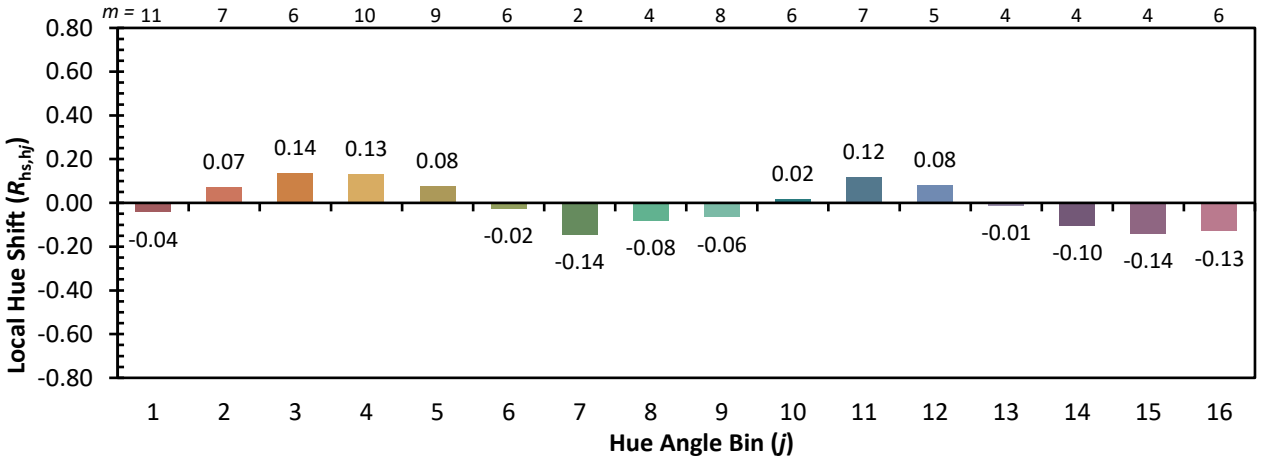
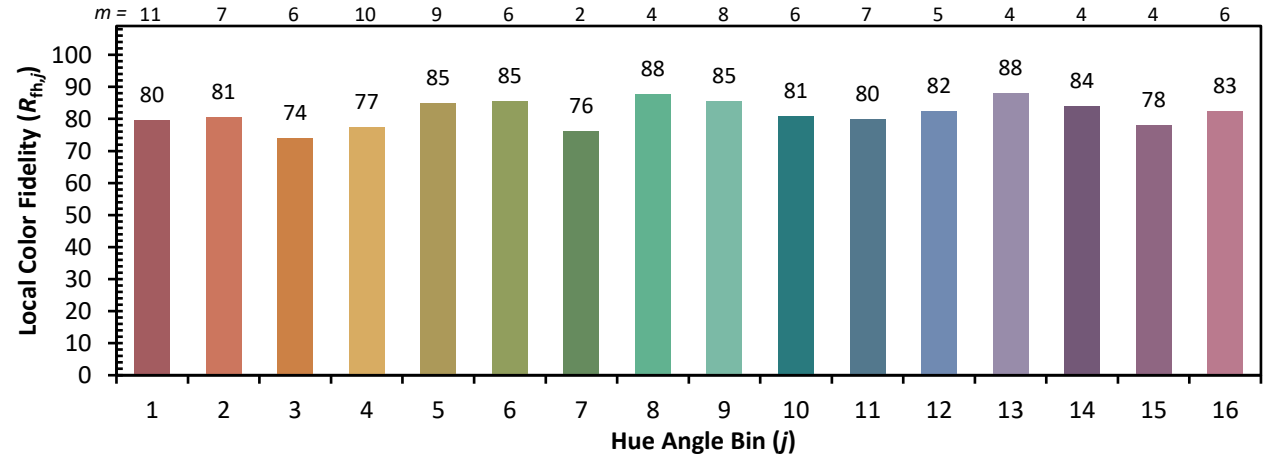
Color Rendition by Hue-Angle Bin







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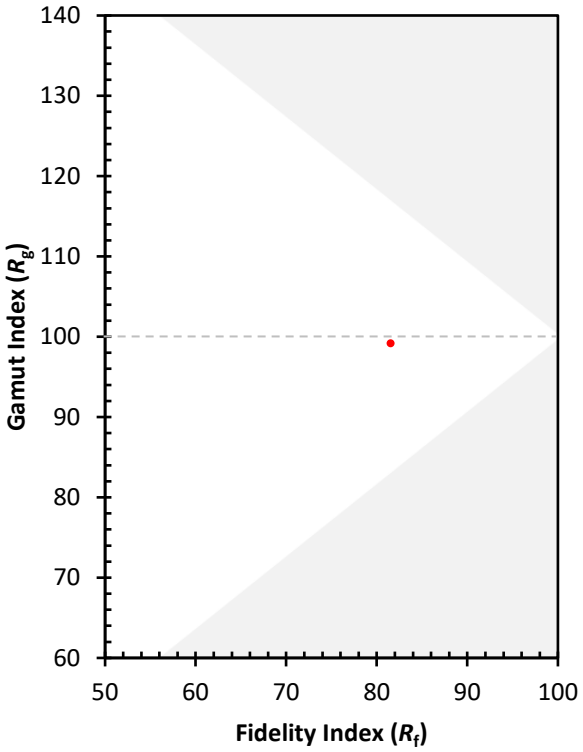
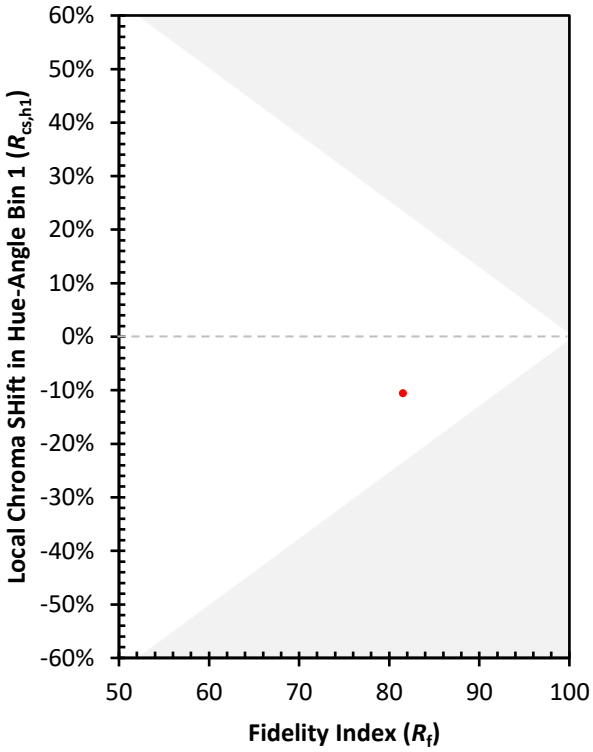
Measure Comparisons





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