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: P386725

Luminaire Tested: **GPC-SA2B-830-U-SL4**

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:	P386725
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2B-830-U-SL4
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9006 lumens
Efficiency:	N/A
Efficacy:	106.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

Input Watts (W):	85
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: P386725
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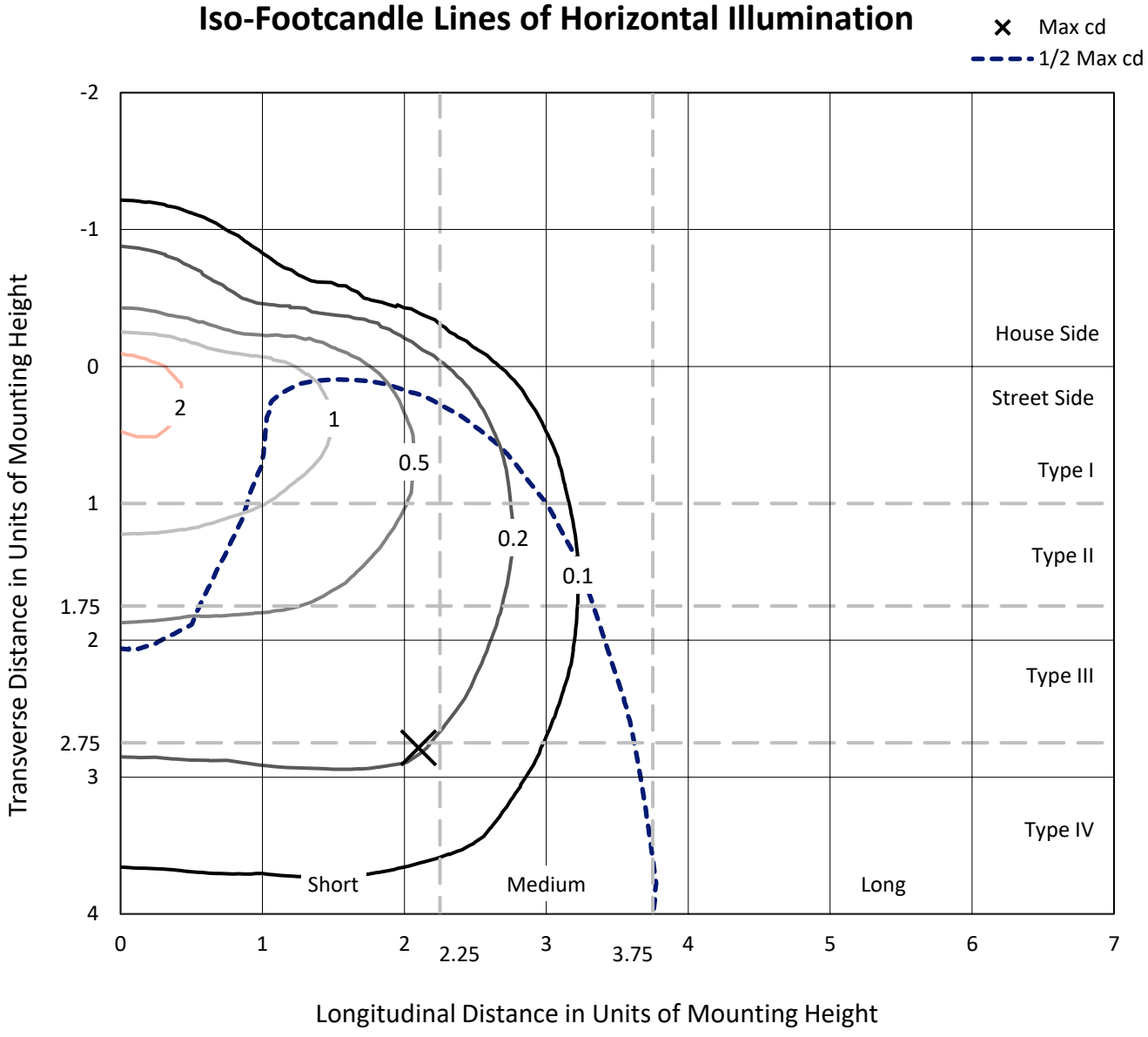
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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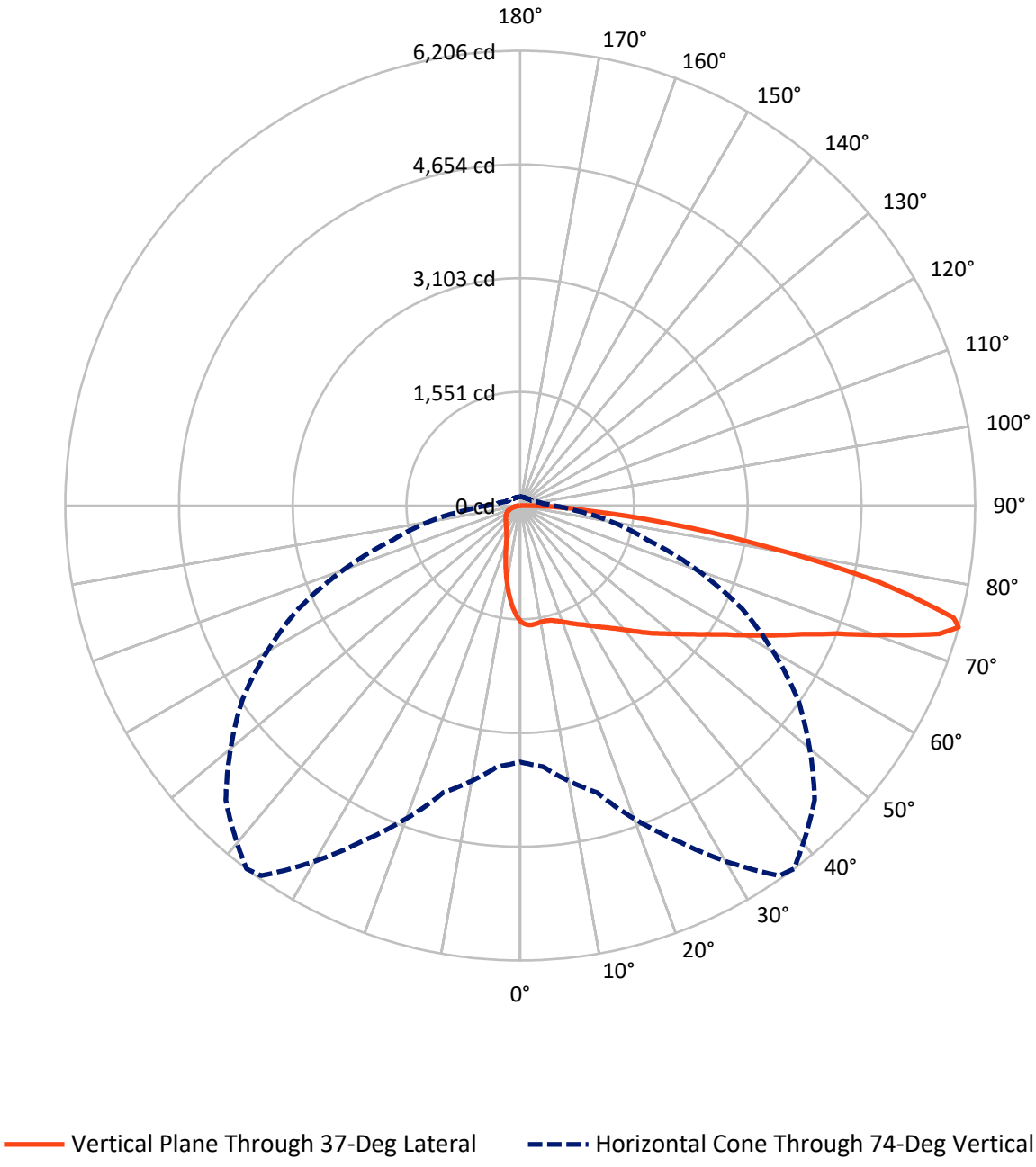
Luminous Intensity Polar Plot



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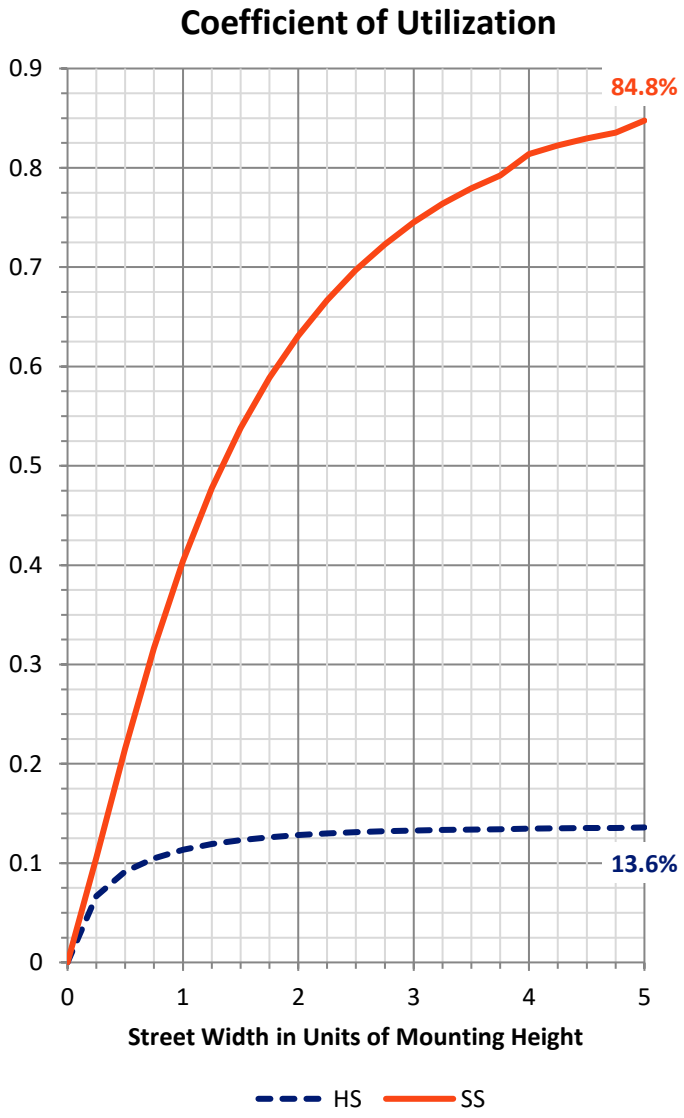
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1239.2	0.0	1239.2
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	7766.8	0.0	7766.8
	% Fixture	86.2	0.0	86.2
Total	Lumens	9006.0	0.0	9006.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.7	1.6
10°-20°	358.2	4.0
20°-30°	551.9	6.1
30°-40°	802.5	8.9
40°-50°	1181.2	13.1
50°-60°	1658.8	18.4
60°-70°	2099.5	23.3
70°-80°	1848.7	20.5
80°-90°	365.5	4.1
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°	9006.0	100.0
0°-180°	9006.0	100.0



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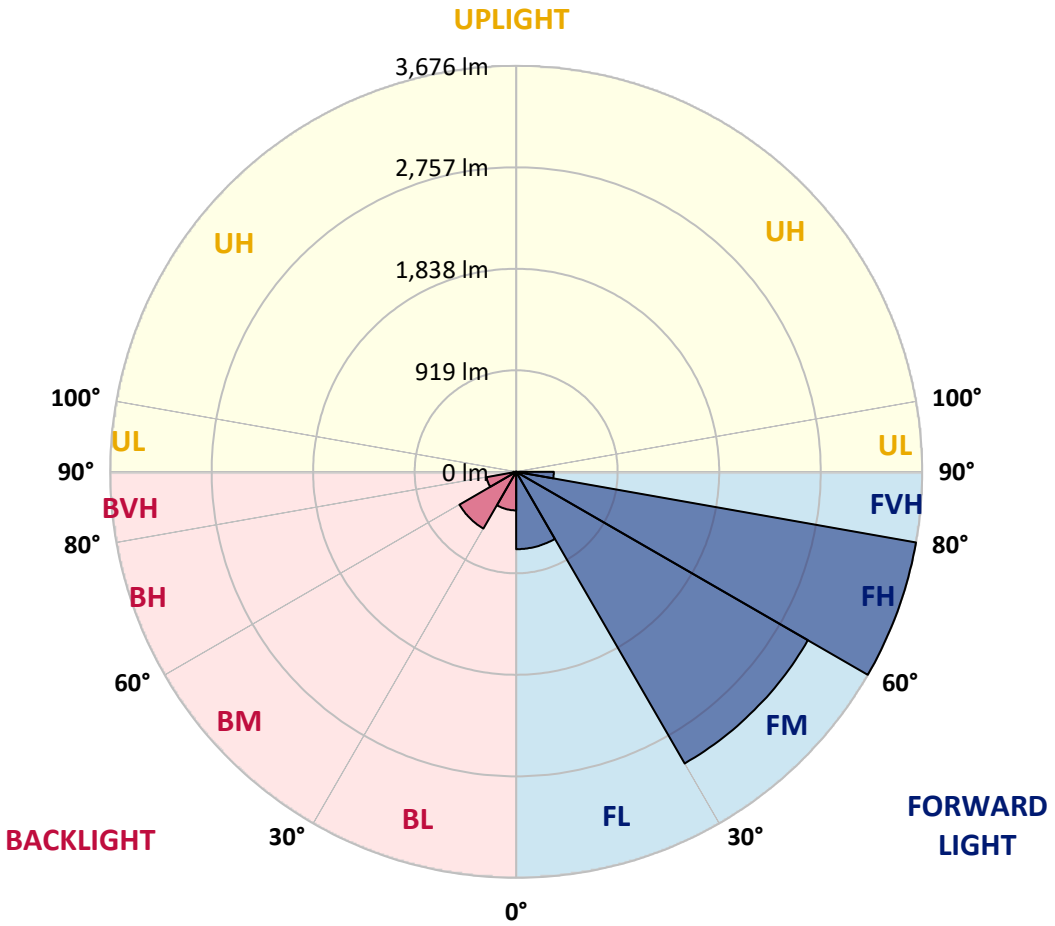
CATALOG NUMBER: GPC-SA2B-830-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	700.8	7.8			
FM	(30°-60°)	3049.5	33.9			
FH	(60°-80°)	3675.8	40.8			G2/5000
FVH	(80°-90°)	340.8	3.8			G3/500
BL	(0°-30°)	349.0	3.9	B1/500		
BM	(30°-60°)	593.0	6.6	B1/1000		
BH	(60°-80°)	272.4	3.0	B1/500		G1/500
BVH	(80°-90°)	24.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P386725
CATALOG NUMBER: GPC-SA2B-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8
2.5°	1641.1	1641.4	1641.1	1638.5	1632.5	1627.4	1623.3	1617.3	1604.0	1593.8	1578.6
5°	1656.6	1654.7	1653.4	1648.7	1639.2	1633.5	1625.5	1614.1	1592.2	1571.9	1547.2
7.5°	1649.3	1647.1	1644.2	1638.5	1627.7	1623.0	1611.9	1597.0	1570.6	1544.0	1508.5
10°	1626.8	1626.2	1624.9	1623.6	1614.4	1610.6	1600.5	1584.6	1558.6	1526.2	1484.7
12.5°	1601.7	1603.3	1608.4	1615.1	1610.9	1609.0	1602.7	1591.9	1565.3	1530.4	1480.2
15°	1585.9	1590.3	1604.0	1621.4	1624.9	1624.3	1622.7	1615.7	1587.5	1548.8	1490.4
17.5°	1580.5	1587.8	1613.8	1642.7	1652.8	1655.0	1655.7	1643.6	1612.2	1571.3	1500.9
20°	1590.3	1599.5	1637.6	1677.2	1693.4	1694.7	1691.8	1670.9	1635.7	1590.6	1506.6
22.5°	1620.1	1628.4	1676.0	1720.7	1739.1	1741.0	1732.4	1700.7	1660.4	1613.5	1514.5
25°	1677.6	1687.7	1735.3	1780.0	1789.5	1789.9	1777.5	1738.1	1692.8	1645.5	1531.6
27.5°	1752.4	1762.6	1805.4	1849.2	1844.1	1841.2	1824.4	1785.1	1735.0	1689.6	1562.1
30°	1835.9	1847.0	1887.6	1918.7	1906.6	1900.9	1887.2	1836.5	1793.7	1749.9	1608.7
32.5°	1922.1	1932.3	1967.8	1989.1	1973.9	1971.3	1950.7	1904.4	1870.1	1841.9	1684.2
35°	2010.7	2017.9	2052.8	2064.9	2044.6	2044.0	2038.3	1995.7	1974.2	1987.5	1794.0
37.5°	2101.1	2103.0	2132.8	2133.4	2127.4	2129.9	2136.0	2109.3	2115.3	2156.9	1936.7
40°	2181.6	2186.7	2208.3	2215.0	2225.4	2234.3	2264.4	2247.0	2293.6	2367.2	2114.4
42.5°	2241.3	2251.1	2285.7	2302.8	2336.8	2350.7	2393.2	2409.4	2503.3	2613.7	2325.7
45°	2291.7	2307.0	2362.5	2397.7	2455.1	2479.5	2540.4	2594.7	2740.3	2881.2	2548.1
47.5°	2346.3	2365.6	2435.1	2502.4	2580.4	2608.0	2718.7	2799.9	2993.1	3150.2	2757.7
50°	2426.6	2441.5	2509.3	2615.0	2712.4	2747.9	2901.1	3017.6	3250.1	3406.5	2939.5
52.5°	2538.5	2532.8	2590.2	2738.4	2869.1	2912.9	3095.9	3249.1	3510.6	3638.4	3093.1
55°	2651.2	2641.6	2681.9	2867.5	3051.8	3097.8	3310.4	3481.7	3758.3	3847.1	3210.8
57.5°	2776.5	2758.4	2792.3	3013.1	3259.9	3314.8	3550.5	3728.8	4002.0	4015.9	3285.6
60°	2905.6	2881.2	2919.2	3193.6	3524.2	3588.9	3831.6	3969.9	4231.6	4151.1	3309.7
62.5°	3018.5	3001.4	3060.1	3395.1	3822.1	3893.1	4107.6	4226.2	4458.1	4207.2	3222.8
65°	3117.2	3120.0	3221.5	3621.6	4154.2	4230.0	4424.2	4542.2	4636.4	4173.9	3019.5
67.5°	3234.9	3251.1	3424.3	3919.8	4572.3	4655.5	4884.8	4886.7	4736.0	3978.5	2619.1
70°	3406.5	3439.8	3703.1	4333.5	5166.8	5281.1	5458.1	5089.1	4596.1	3448.7	2060.8
72.5°	3558.8	3620.9	3999.7	4806.8	5891.4	5978.0	5793.4	4972.4	4011.5	2584.5	1283.9
74°	3496.9	3574.0	4053.7	5040.0	6164.2	6205.8	5680.1	4631.7	3344.6	1789.9	746.1
75°	3363.7	3447.4	3975.0	5037.7	6129.7	6106.5	5406.7	4242.4	2754.6	1220.7	496.5
77.5°	2714.6	2803.1	3349.4	4317.6	5026.0	5004.1	4153.3	2845.9	1206.5	400.4	252.2
80°	1578.3	1645.8	2079.2	2741.9	3389.0	3428.7	2731.4	1408.2	474.6	224.9	171.0
82.5°	701.1	747.7	1004.4	1399.7	2045.2	2096.3	1430.4	737.9	293.1	136.7	102.8
85°	460.0	494.6	609.7	666.5	973.9	1008.8	700.1	574.5	193.5	75.2	75.5
87.5°	330.9	364.2	453.0	395.6	447.0	423.2	381.0	531.7	77.7	42.8	25.4
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: P386725
CATALOG NUMBER: GPC-SA2B-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8	1586.8
2.5°	1571.9	1566.8	1555.4	1533.8	1521.8	1511.6	1494.8	1485.0	1480.5	1480.2	1482.1
5°	1532.9	1521.2	1491.7	1455.5	1426.6	1400.3	1367.6	1347.9	1334.0	1325.7	1328.0
7.5°	1487.5	1469.1	1422.8	1365.1	1318.8	1267.7	1217.2	1187.1	1163.6	1146.2	1149.4
10°	1456.4	1431.1	1363.5	1280.4	1203.3	1129.0	1059.6	1018.0	985.0	959.6	961.5
12.5°	1446.0	1411.7	1318.1	1207.1	1098.9	997.4	906.7	842.9	809.0	780.1	782.3
15°	1447.6	1401.6	1280.1	1141.1	1005.0	877.2	767.1	692.5	646.5	626.5	626.9
17.5°	1448.8	1389.8	1240.1	1070.4	912.1	764.9	645.3	569.8	526.3	507.9	508.2
20°	1444.7	1370.8	1190.6	989.1	815.0	661.8	546.0	481.9	448.9	434.6	434.6
22.5°	1439.3	1348.3	1134.8	907.6	719.2	572.3	474.9	426.1	407.0	397.5	397.2
25°	1441.8	1331.4	1077.7	823.9	631.0	500.9	427.6	395.3	382.6	376.6	376.2
27.5°	1455.5	1323.5	1025.0	740.4	553.9	447.3	395.9	373.1	364.8	361.0	361.0
30°	1480.2	1323.5	970.1	669.4	489.8	407.7	371.5	355.9	350.2	347.7	347.7
32.5°	1523.4	1330.8	917.1	598.9	438.7	376.6	351.2	340.7	336.3	335.0	335.0
35°	1597.6	1355.6	865.4	532.3	397.5	351.2	331.8	325.8	322.6	322.3	323.3
37.5°	1702.0	1406.0	816.9	483.2	368.3	330.6	315.7	310.9	309.0	310.6	311.8
40°	1833.3	1474.5	772.8	438.7	346.1	314.1	300.7	297.6	296.6	298.8	300.7
42.5°	1991.9	1567.2	736.6	406.7	329.0	300.1	288.1	284.2	283.3	285.8	288.4
45°	2163.6	1666.8	711.2	382.9	315.7	289.6	276.9	272.8	270.9	272.2	275.0
47.5°	2319.6	1761.0	701.1	366.1	303.0	280.8	267.1	262.0	258.9	258.2	260.5
50°	2451.3	1831.1	705.9	355.9	292.8	270.9	257.6	251.9	247.1	244.3	245.9
52.5°	2547.1	1875.2	710.3	351.5	284.9	260.1	247.1	241.7	235.4	230.6	230.6
55°	2616.6	1885.3	700.5	348.0	278.9	248.4	235.4	230.3	224.0	218.6	217.9
57.5°	2643.9	1856.8	664.0	342.9	274.7	237.3	223.0	219.2	213.8	207.5	207.2
60°	2607.1	1768.6	593.6	332.1	269.3	228.1	210.6	208.1	205.6	199.5	199.2
62.5°	2459.2	1575.1	502.5	310.3	258.5	218.3	199.2	200.5	200.8	196.7	196.1
65°	2191.2	1309.2	413.7	281.7	242.4	206.5	187.5	193.5	197.0	196.4	195.4
67.5°	1801.6	1019.0	350.5	251.6	221.1	190.3	174.8	181.8	184.6	186.9	186.2
70°	1337.2	718.5	290.0	219.8	195.4	171.3	158.3	161.8	159.9	162.4	163.4
72.5°	745.5	431.1	236.3	188.1	168.8	149.1	139.9	139.3	135.1	135.1	135.1
74°	*447.3*	*316.3*	*207.8*	*168.5*	*152.6*	*134.5*	*126.6*	*123.7*	*119.9*	*120.2*	*119.9*
75°	359.7	271.9	190.7	155.4	141.2	125.9	118.0	114.2	111.4	111.4	111.0
77.5°	227.1	206.5	153.5	123.7	112.9	103.7	98.3	93.3	93.3	93.0	92.6
80°	171.6	164.3	119.6	93.6	86.6	79.6	76.1	73.9	73.9	74.9	74.6
82.5°	117.7	123.7	84.1	65.4	61.9	56.8	56.2	56.5	55.5	54.2	53.9
85°	86.0	93.0	56.8	41.2	37.8	34.6	37.1	38.4	36.8	33.9	32.7
87.5°	33.0	60.9	30.5	17.1	15.9	13.6	15.9	16.5	17.8	14.0	14.3
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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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

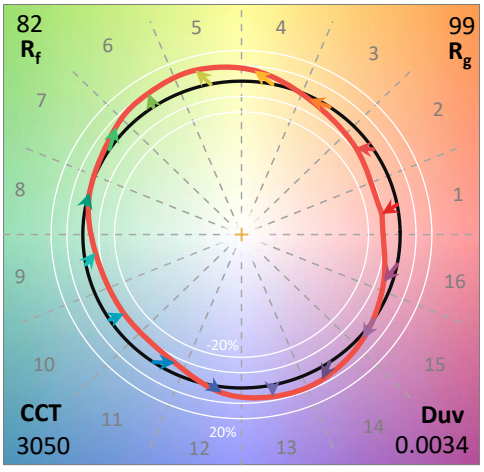
Test Information

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

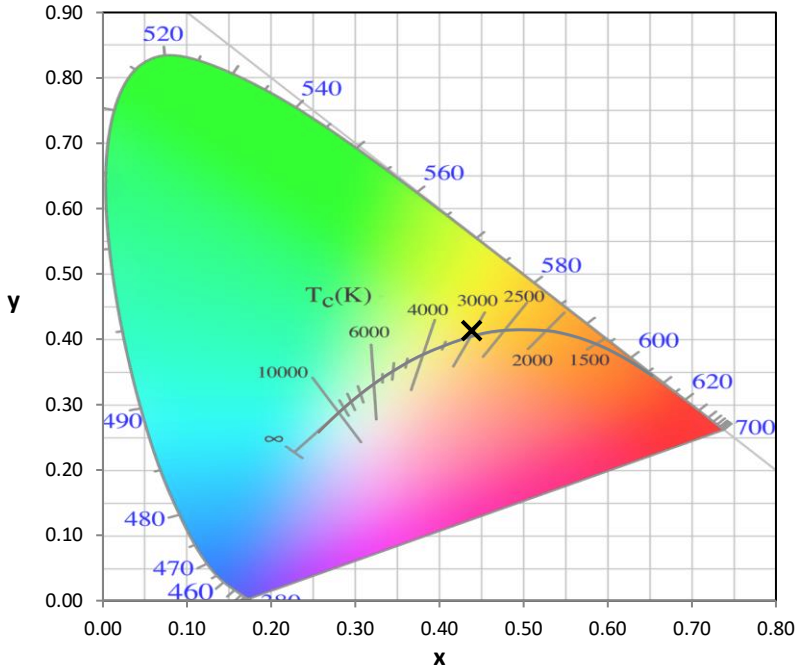
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

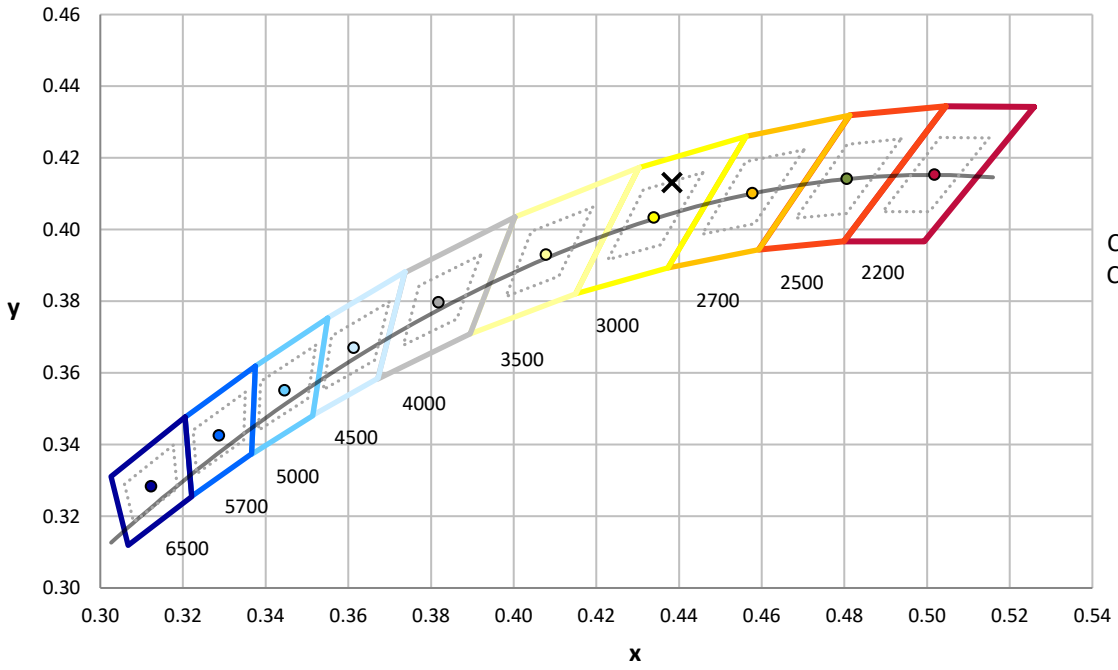
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

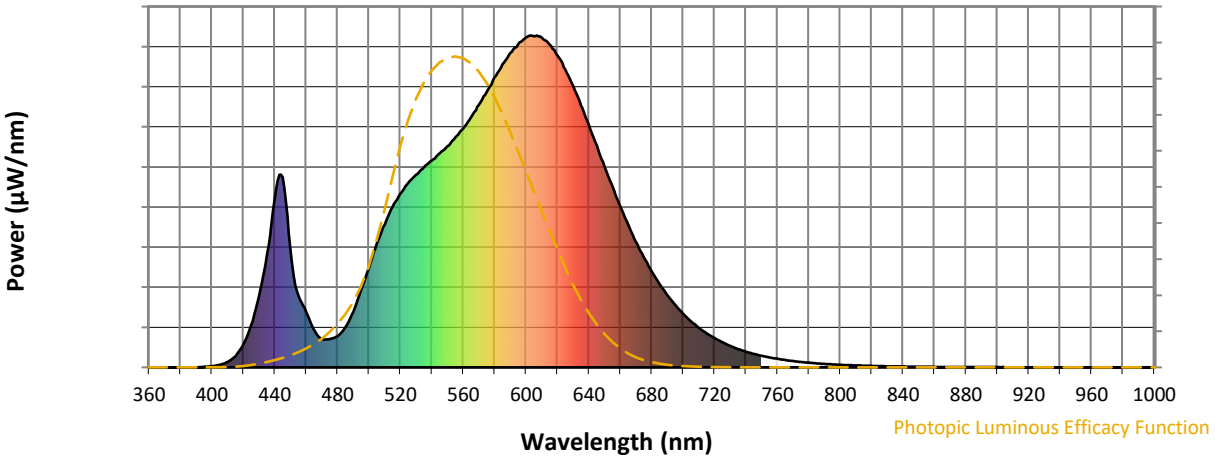


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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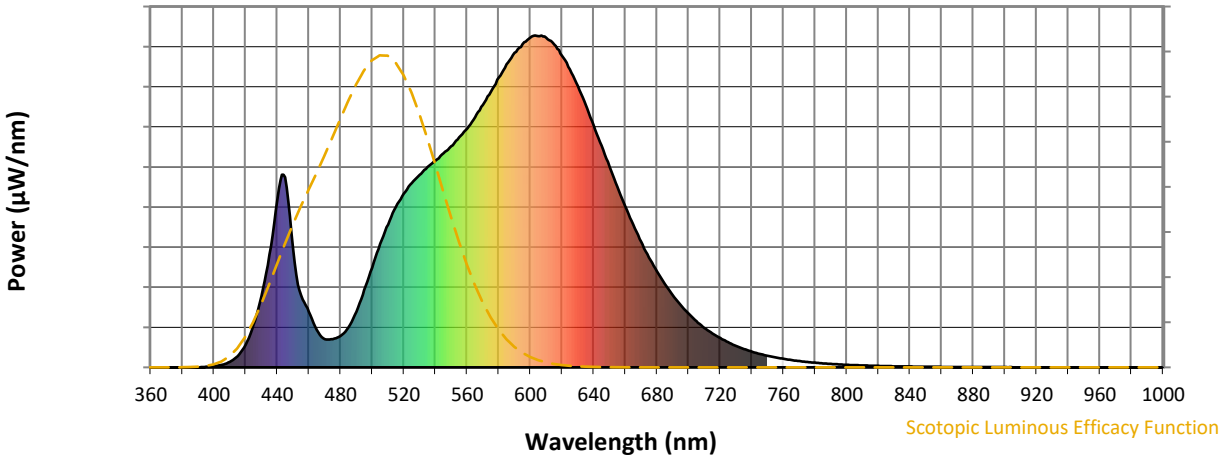
Scotopic Flux vs. Wavelength



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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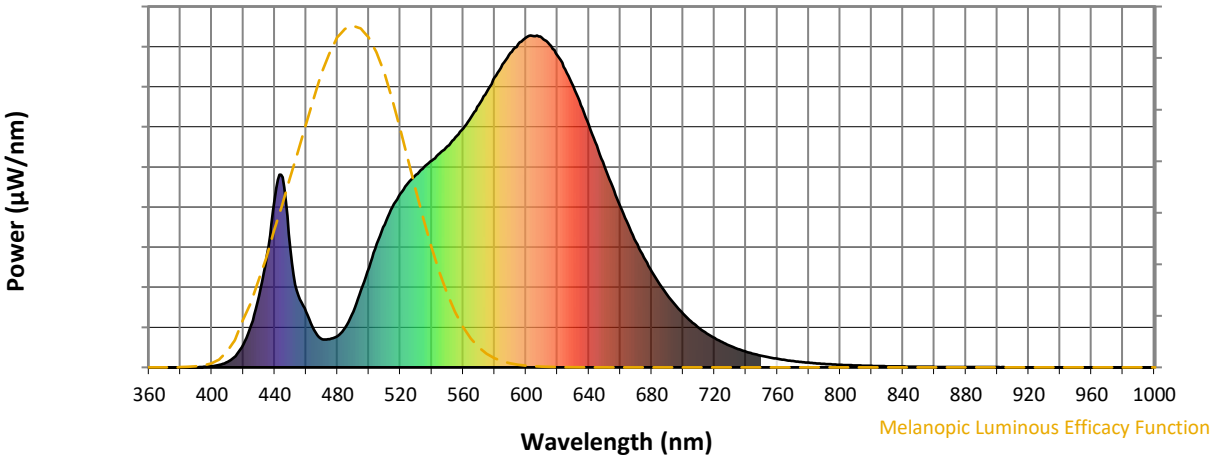
Melanopic Flux vs. Wavelength



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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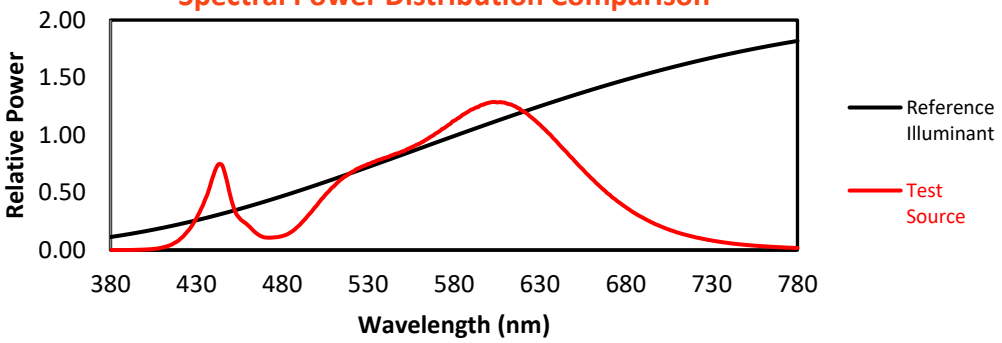
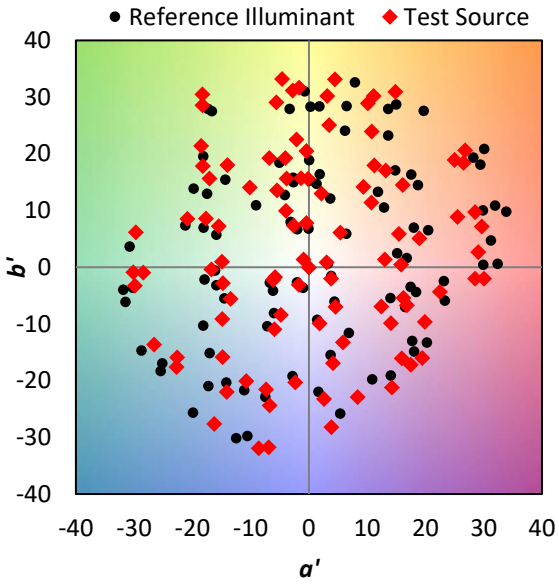
Summary

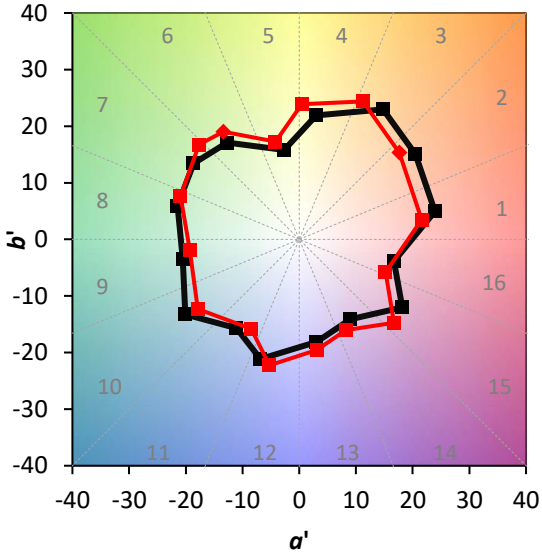
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

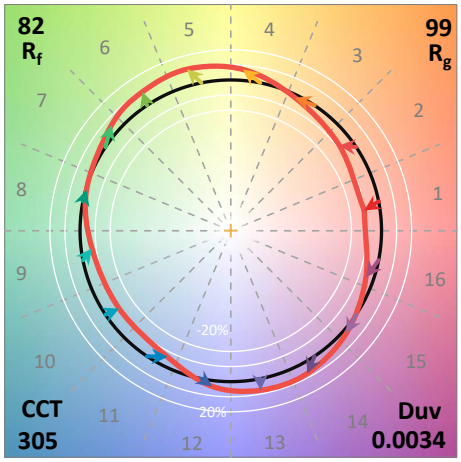
Spectral Power Distribution Comparison

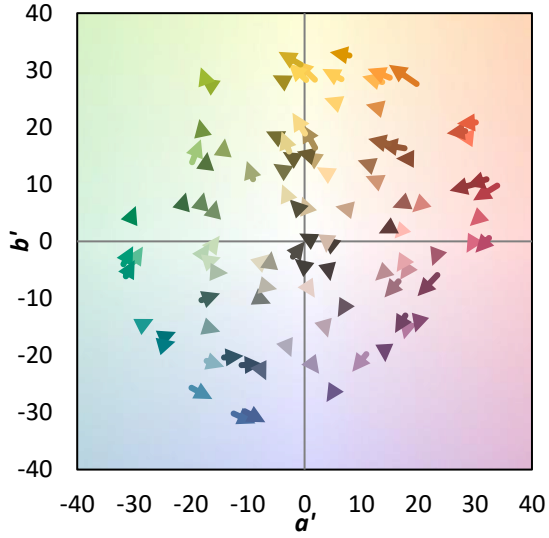


Color Vector Graphics









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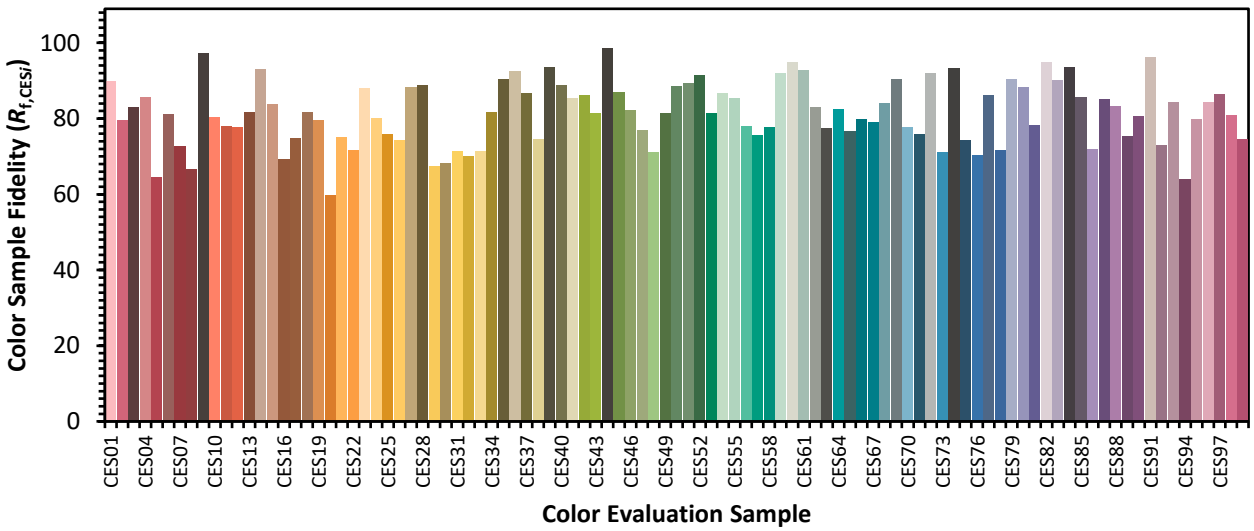
Individual Sample Fidelity Index ($R_{f,i}$)

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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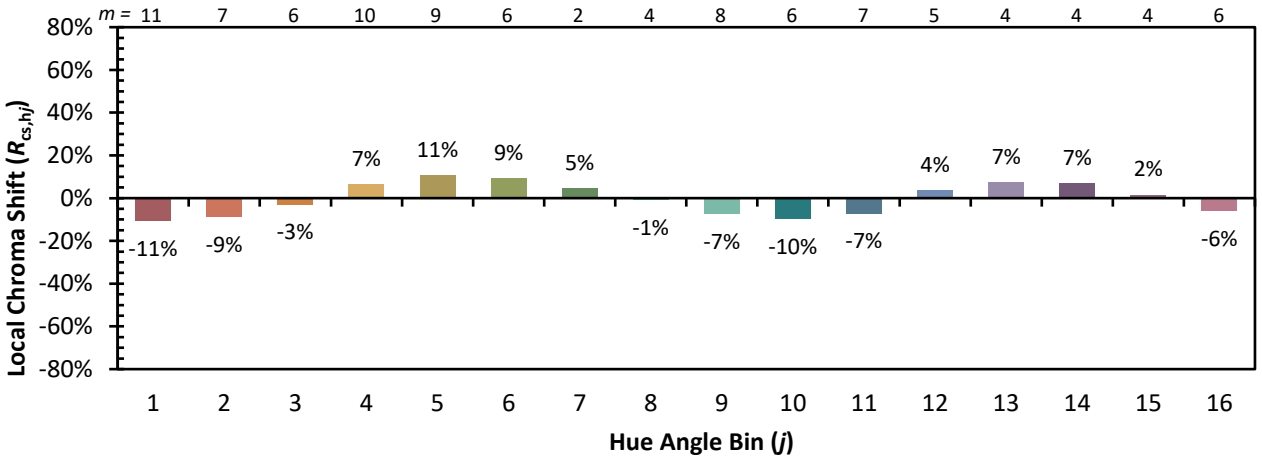
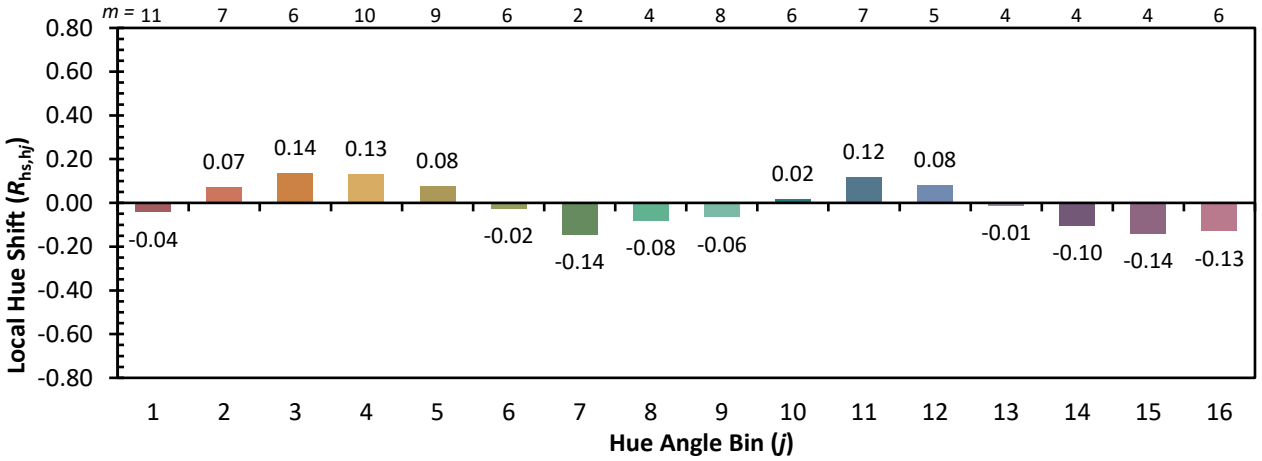
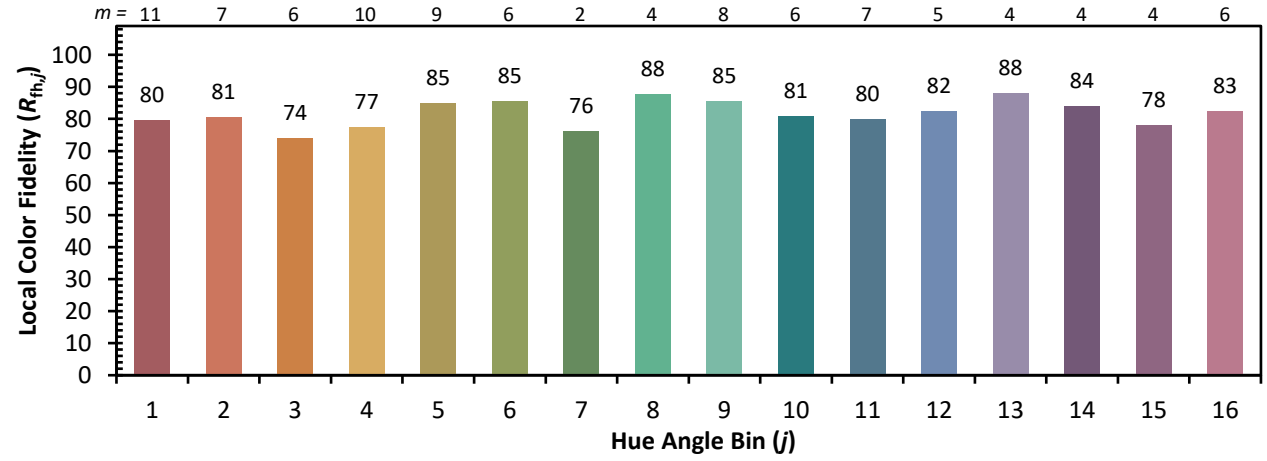
Color Rendition by Hue-Angle Bin







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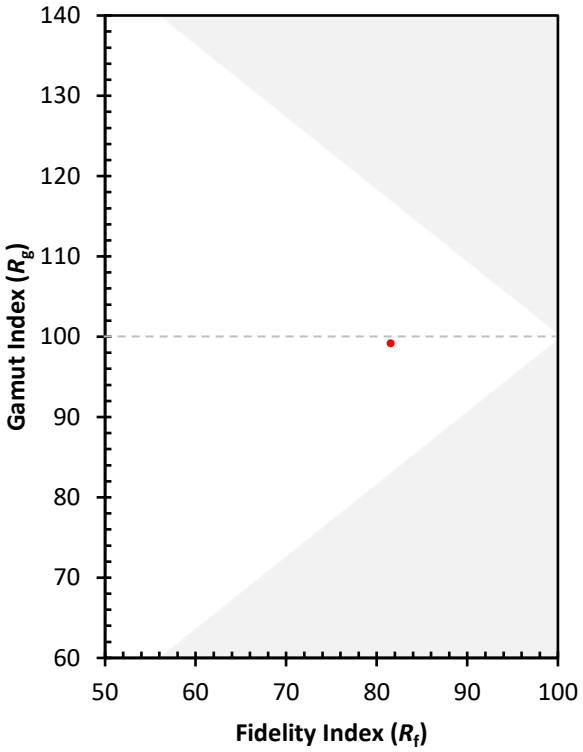
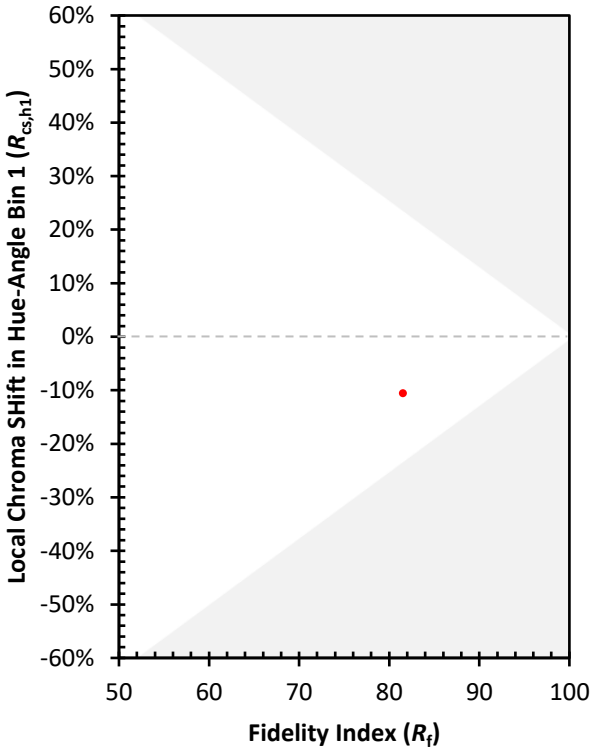
Measure Comparisons





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