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: P386965

Luminaire Tested: **GPC-SA2C-830-U-T4W**

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:	P386965
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2C-830-U-T4W
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11648 lumens
Efficiency:	N/A
Efficacy:	104.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	111
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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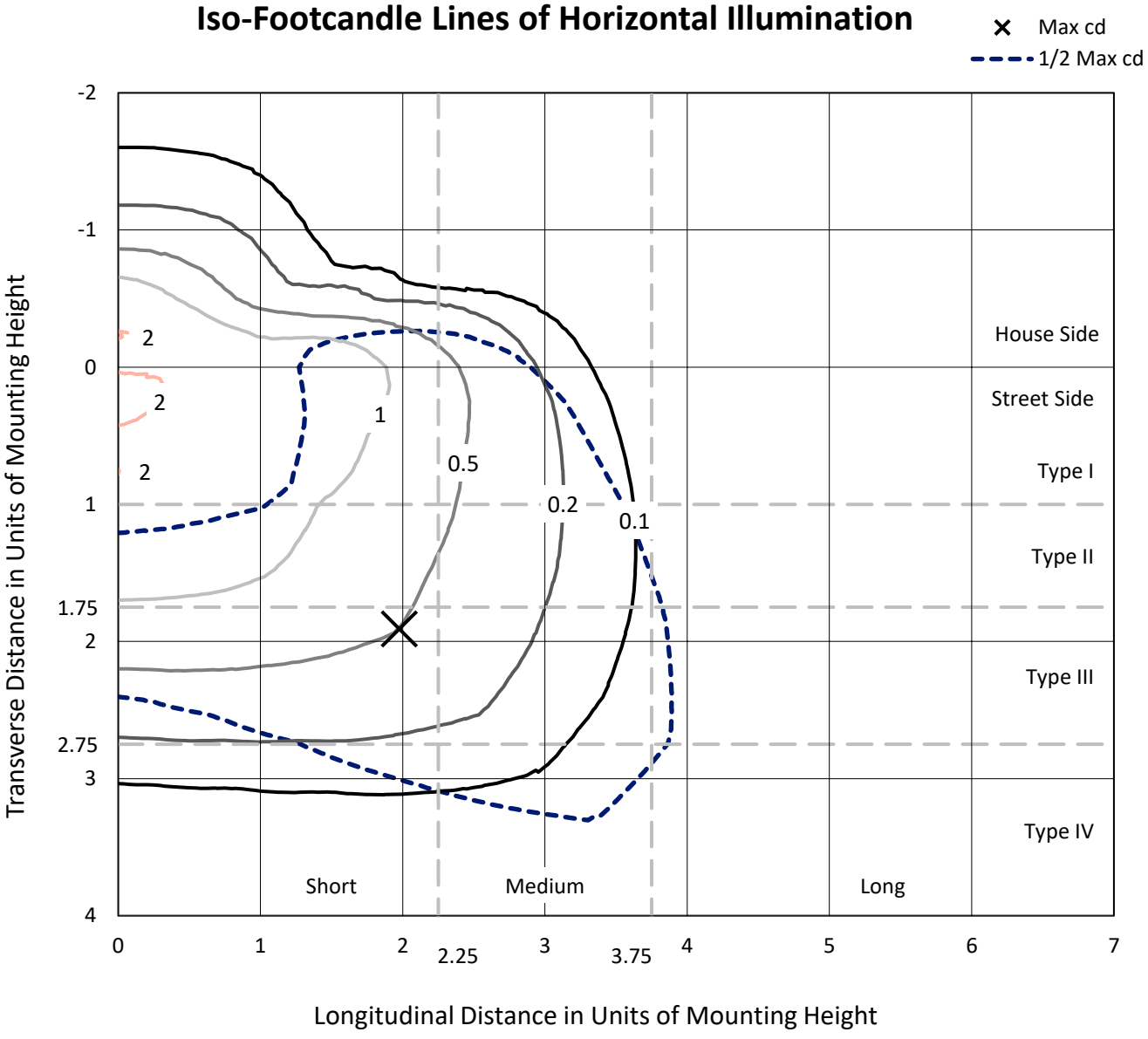
Scaled Data Report

REPORT NUMBER: P386965
CATALOG NUMBER: GPC-SA2C-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type IV - Short - N/A

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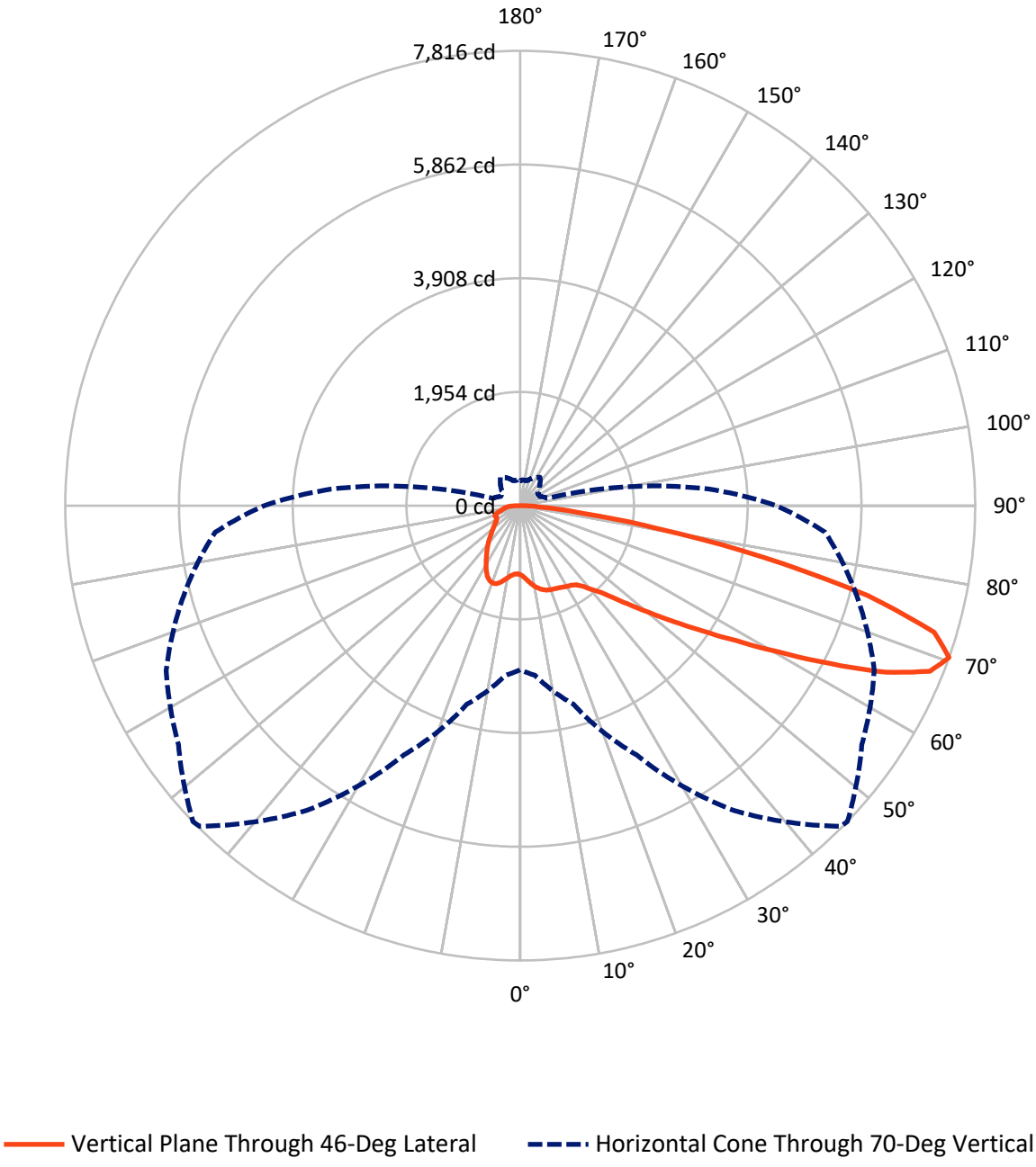
Luminous Intensity Polar Plot



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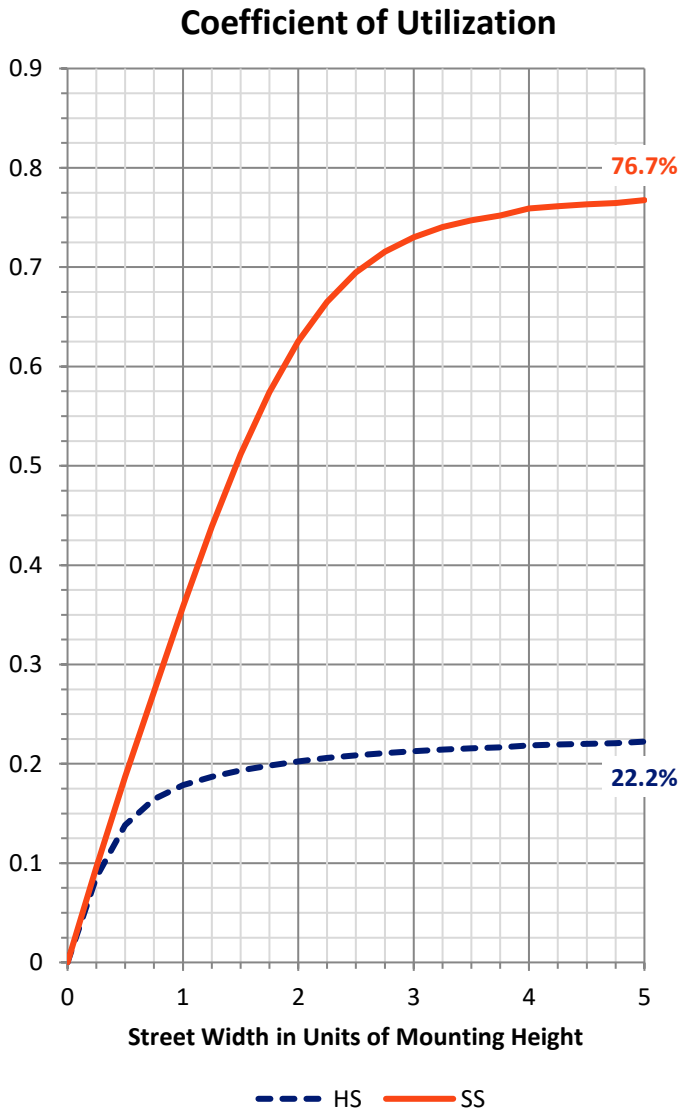
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2669.7	0.0	2669.7
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	8978.3	0.0	8978.3
	% Fixture	77.1	0.0	77.1
Total	Lumens	11648.0	0.0	11648.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	1.0
10°-20°	403.1	3.5
20°-30°	672.0	5.8
30°-40°	953.7	8.2
40°-50°	1402.8	12.0
50°-60°	2375.6	20.4
60°-70°	3372.2	29.0
70°-80°	2048.6	17.6
80°-90°	299.0	2.6
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°	11648.0	100.0
0°-180°	11648.0	100.0



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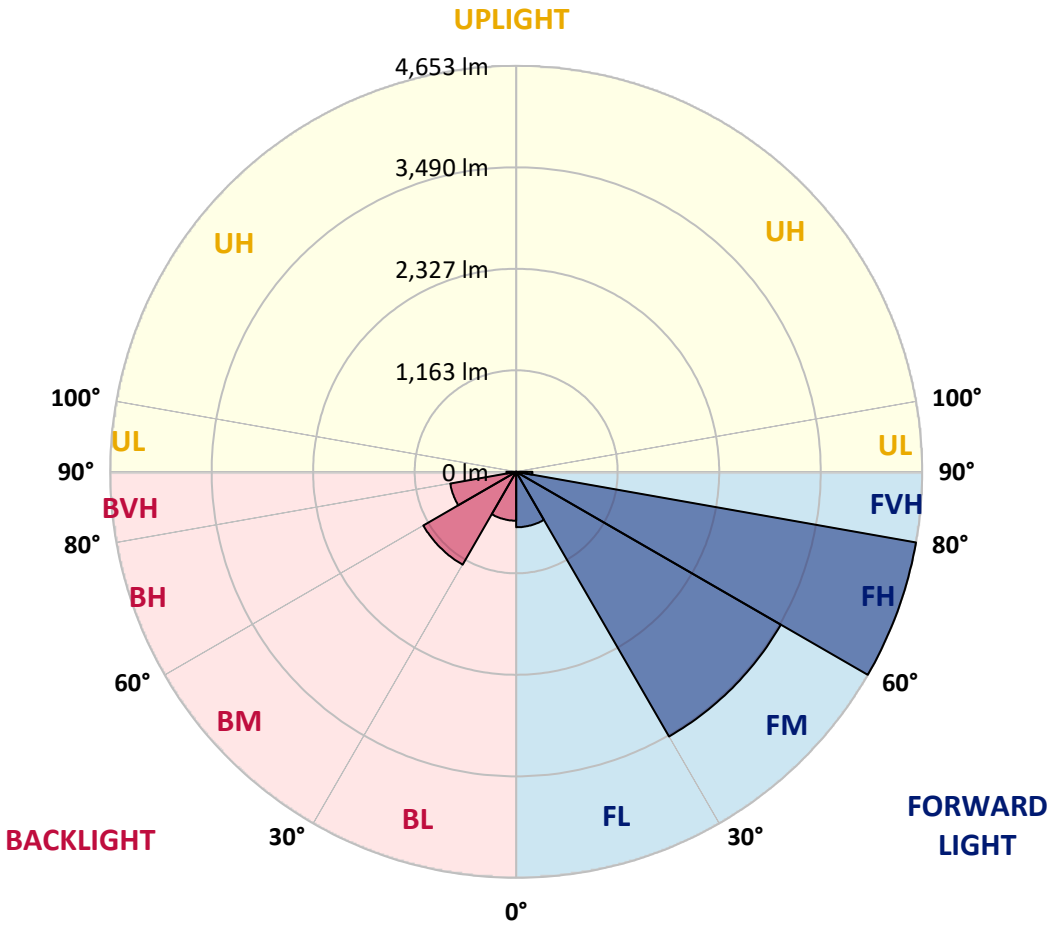
REPORT NUMBER: P386965
CATALOG NUMBER: GPC-SA2C-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	635.6	5.5			
FM	(30°-60°)	3503.2	30.1			
FH	(60°-80°)	4653.3	39.9			G2/5000
FVH	(80°-90°)	186.2	1.6			G2/225
BL	(0°-30°)	560.5	4.8	B2/1000		
BM	(30°-60°)	1228.9	10.6	B2/2500		
BH	(60°-80°)	767.5	6.6	B2/1000		G2/1000
BVH	(80°-90°)	112.7	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Short



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Scaled Data Report

REPORT NUMBER: P386965
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1186.7	1186.7	1186.7	1186.7	1186.7	1186.7	*1186.7*	1186.7	1186.7	1186.7	1186.7
2.5°	1246.1	1246.9	1248.5	1244.5	1233.3	1230.2	*1229.0*	1217.4	1209.8	1198.7	1189.1
5°	1345.8	1346.6	1344.2	1333.0	1308.3	1289.9	*1288.4*	1262.0	1238.1	1212.6	1193.5
7.5°	1449.8	1451.0	1443.4	1422.3	1387.6	1355.7	*1353.7*	1317.9	1281.6	1242.9	1214.2
10°	1541.9	1537.1	1524.7	1495.2	1454.2	1415.1	*1413.5*	1376.0	1334.2	1287.6	1249.3
12.5°	1603.3	1599.3	1583.3	1547.5	1502.4	1466.5	*1463.3*	1428.7	1388.0	1337.0	1291.1
15°	1637.1	1639.9	1618.4	1577.8	1533.9	1503.6	*1500.8*	1476.1	1439.8	1388.4	1335.8
17.5°	1641.5	1643.9	1623.2	1582.9	1547.1	1526.3	*1525.1*	1508.8	1482.5	1433.1	1378.0
20°	1616.0	1617.6	1600.5	1567.4	1543.9	1537.5	*1537.1*	1529.9	1510.4	1466.5	1413.1
22.5°	1578.9	1580.1	1567.8	1543.9	1535.9	1545.9	*1548.7*	1545.9	1531.9	1490.9	1440.6
25°	1569.8	1569.0	1556.2	1531.9	1538.7	1559.8	*1563.4*	1564.6	1555.0	1519.2	1475.7
27.5°	1614.0	1611.2	1586.9	1547.9	1552.2	1577.8	*1582.5*	1594.1	1588.1	1556.6	1515.6
30°	1742.0	1737.2	1687.4	1608.4	1586.9	1600.1	*1606.1*	1624.4	1625.6	1599.3	1568.6
32.5°	1958.0	1952.1	1862.8	1721.7	1645.5	1622.8	*1628.4*	1655.9	1670.6	1650.3	1617.2
35°	2231.1	2224.3	2107.1	1914.2	1743.6	1666.2	*1670.2*	1692.2	1721.7	1693.0	1649.1
37.5°	2515.7	2499.4	2386.6	2140.6	1899.4	1759.1	*1759.1*	1761.9	1775.9	1716.1	1686.6
40°	2798.7	2782.4	2680.3	2406.9	2101.1	1905.4	*1896.3*	1834.5	1823.3	1771.9	1761.9
42.5°	3061.8	3057.0	2996.9	2707.9	2337.9	2049.3	*2036.6*	1931.7	1934.1	1902.2	1902.6
45°	3341.7	3341.7	3292.6	3011.6	2613.8	2280.5	*2267.8*	2113.5	2137.4	2122.7	2158.1
47.5°	3570.1	3577.3	3570.5	3328.1	2934.7	2574.3	*2551.2*	2365.4	2432.4	2483.0	2586.3
50°	3803.3	3814.4	3815.6	3675.3	3322.5	2923.5	*2897.2*	2699.9	2849.4	2994.5	3197.4
52.5°	4141.7	4166.8	4066.8	4021.7	3797.7	3338.1	*3312.2*	3130.0	3379.5	3583.2	3932.8
55°	4455.4	4433.5	4362.1	4390.0	4306.3	3810.0	*3790.5*	3630.7	3970.3	4235.0	4689.0
57.5°	4625.2	4623.6	4695.4	4815.0	4854.8	4392.0	*4375.7*	4220.2	4636.4	4835.3	5399.0
60°	4824.5	4827.3	5005.1	5276.6	5440.8	5116.7	*5109.6*	4991.6	5283.4	5395.8	5955.8
62.5°	4852.4	4902.7	5208.8	5676.0	5989.3	5963.4	*5979.4*	5686.4	5862.2	5843.0	6371.6
65°	4531.6	4597.7	5151.8	5796.8	6534.6	6889.4	*6904.2*	6385.2	6318.6	6225.3	6520.3
67.5°	3873.8	3971.9	4573.8	5534.1	6714.4	7573.9	*7594.6*	6926.9	6697.3	6354.9	6162.3
70°	*2819.1*	*2927.9*	*3533.8*	*4726.5*	*6393.9*	*7792.7*	*7816.2*	*7166.5*	*6711.6*	*5986.1*	*5260.6*
72.5°	1702.9	1788.2	2287.7	3479.6	5396.6	7394.1	*7435.9*	6862.7	6127.6	5070.5	3884.6
75°	747.8	803.6	1106.2	2005.1	3863.5	6117.7	*6169.9*	5874.1	4978.8	3684.9	2296.1
77.5°	318.5	334.4	453.6	871.0	2184.1	4180.4	*4252.1*	4292.0	3377.9	2005.1	970.3
80°	198.5	204.9	256.7	394.2	1022.1	2347.9	*2425.2*	2525.3	1677.4	737.1	338.8
82.5°	120.8	128.0	170.6	238.4	532.2	1064.3	*1101.4*	1172.0	651.0	318.5	175.4
85°	72.5	77.7	104.4	150.7	303.0	418.6	*418.2*	462.4	306.5	204.9	92.5
87.5°	34.7	38.7	55.8	78.1	152.7	157.1	*147.1*	166.6	186.2	134.3	46.6
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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REPORT NUMBER: P386965
CATALOG NUMBER: GPC-SA2C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1186.7	1186.7	1186.7	1186.7	1186.7	1186.7	1186.7	1186.7	1186.7	1186.7	1186.7
2.5°	1185.9	1184.3	1179.1	1175.1	1174.3	1172.0	1170.0	1171.2	1172.8	1173.2	1173.2
5°	1185.5	1181.1	1174.3	1171.6	1175.1	1179.9	1185.9	1193.9	1198.7	1202.2	1204.6
7.5°	1204.6	1196.3	1188.7	1187.1	1194.3	1207.0	1220.6	1237.3	1248.9	1256.9	1258.5
10°	1236.5	1226.2	1218.6	1220.2	1232.9	1251.3	1270.4	1291.9	1309.5	1320.2	1321.0
12.5°	1273.2	1263.2	1256.1	1262.8	1284.0	1306.3	1326.2	1345.0	1360.9	1371.7	1371.7
15°	1315.5	1308.3	1299.9	1315.5	1344.2	1364.1	1372.5	1381.6	1390.4	1398.4	1396.8
17.5°	1356.1	1349.3	1345.0	1363.3	1393.2	1402.4	1396.8	1390.0	1390.0	1394.4	1395.2
20°	1391.2	1385.2	1388.0	1405.9	1421.5	1411.9	1391.2	1369.7	1360.9	1363.3	1365.7
22.5°	1421.9	1419.1	1427.5	1435.8	1424.7	1391.2	1352.9	1323.8	1313.1	1312.3	1313.1
25°	1457.8	1457.4	1467.7	1452.6	1403.2	1341.4	1289.9	1261.6	1255.7	1260.4	1268.4
27.5°	1502.4	1506.8	1512.0	1456.6	1359.3	1266.0	1213.8	1194.3	1200.3	1211.8	1219.4
30°	1559.4	1571.4	1560.2	1446.6	1296.3	1179.9	1130.1	1124.5	1140.9	1157.2	1165.2
32.5°	1614.8	1633.6	1606.5	1420.7	1215.0	1088.6	1050.0	1048.4	1068.3	1084.3	1095.4
35°	1659.5	1696.5	1641.1	1369.3	1120.9	1004.5	976.2	965.5	972.6	991.4	1004.1
37.5°	1717.7	1779.5	1665.1	1290.7	1018.9	935.2	902.1	877.4	871.0	878.6	884.9
40°	1824.1	1905.8	1676.2	1181.1	919.2	865.8	832.3	796.1	770.9	752.6	753.0
42.5°	1997.9	2070.5	1669.0	1048.0	827.1	798.0	760.2	718.3	677.7	636.2	633.0
45°	2280.1	2315.2	1647.5	906.9	746.2	727.1	691.6	649.8	595.5	548.5	544.1
47.5°	2731.8	2654.0	1614.0	783.7	674.9	666.9	634.2	586.0	528.6	490.7	487.5
50°	3347.6	3143.1	1597.7	685.6	611.9	614.3	587.6	536.5	482.3	454.4	451.2
52.5°	4084.3	3712.8	1629.2	609.9	561.3	569.6	549.7	501.9	456.4	434.5	431.3
55°	4848.5	4302.7	1663.1	554.9	513.4	529.8	523.0	483.5	442.5	422.1	419.4
57.5°	5502.6	4743.2	1595.3	510.2	470.8	496.3	502.3	472.0	435.3	417.0	413.8
60°	5914.4	4920.6	1417.5	468.4	436.9	469.6	490.3	468.8	438.1	436.5	434.1
62.5°	6109.7	4905.1	1150.8	435.3	415.8	458.0	499.1	486.7	470.0	484.3	485.5
65°	6022.0	4670.7	857.0	413.4	400.6	462.4	525.4	520.6	479.1	493.5	495.5
67.5°	5444.8	4111.4	634.6	394.2	383.9	474.8	573.2	531.8	461.2	471.6	465.2
70°	*4400.8*	*3259.5*	*489.5*	*372.7*	*366.7*	*473.2*	*594.7*	*525.0*	*441.7*	*444.1*	*426.9*
72.5°	3034.7	2222.7	398.2	352.8	342.0	431.3	579.6	508.2	425.3	407.0	384.3
75°	1650.3	1193.1	338.4	332.1	298.6	378.7	551.7	496.3	410.6	386.3	373.5
77.5°	649.4	495.1	293.8	303.8	261.1	334.4	520.6	473.6	390.3	358.4	352.0
80°	265.1	252.7	243.6	262.7	224.4	292.6	483.1	446.9	365.9	332.5	319.7
82.5°	150.3	157.1	189.3	207.3	182.2	269.5	465.2	425.3	336.8	297.8	282.6
85°	76.9	92.1	131.9	148.7	133.9	229.2	428.5	372.3	270.3	228.0	229.2
87.5°	37.1	51.4	83.3	93.3	86.9	165.8	320.1	269.9	210.5	166.6	161.4
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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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

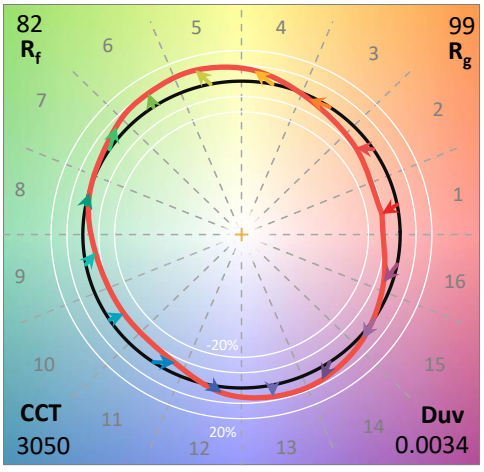
Test Information

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

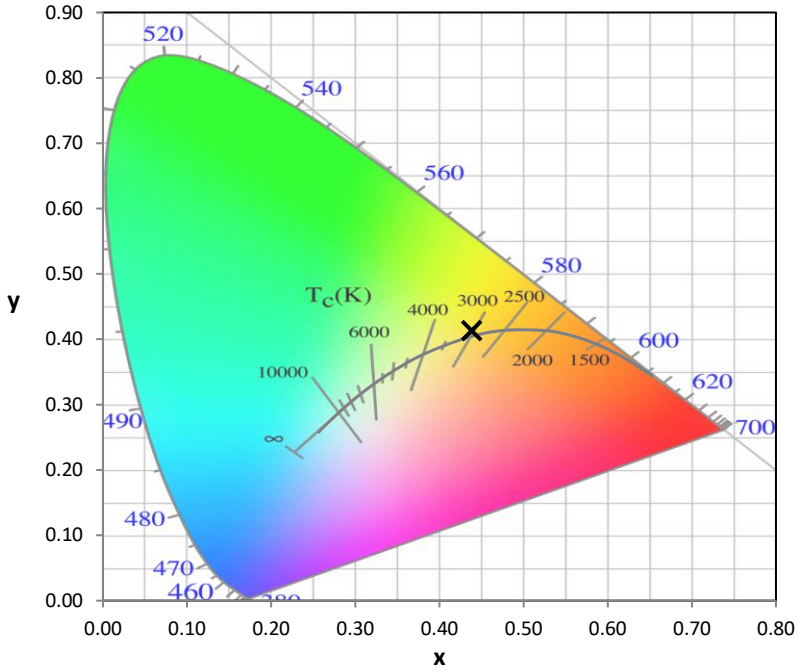
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

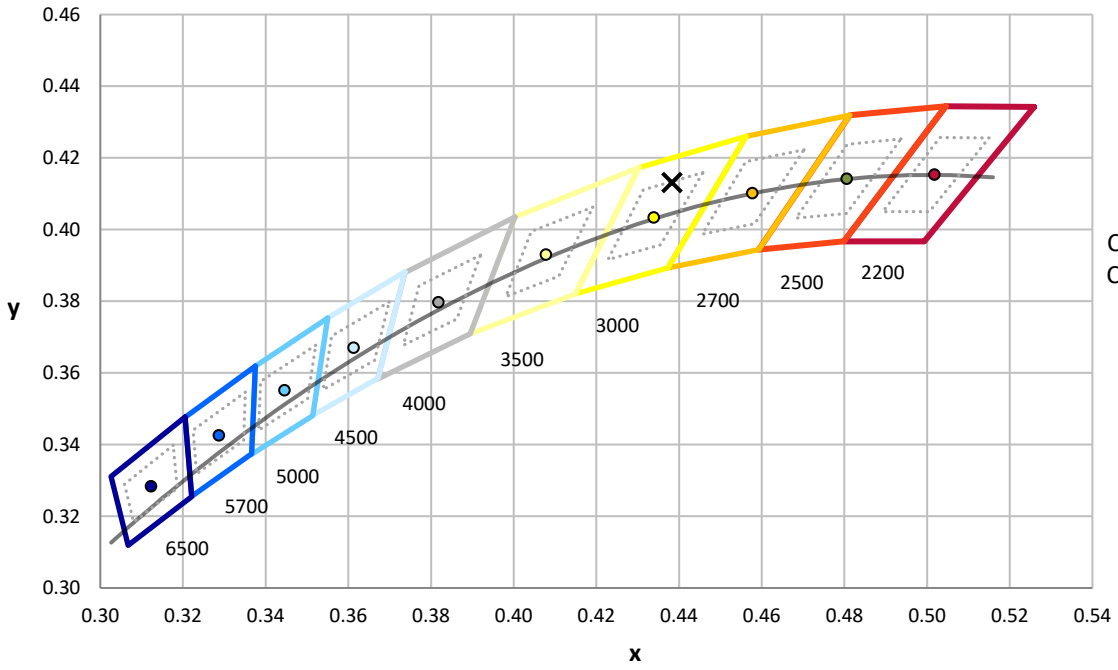
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

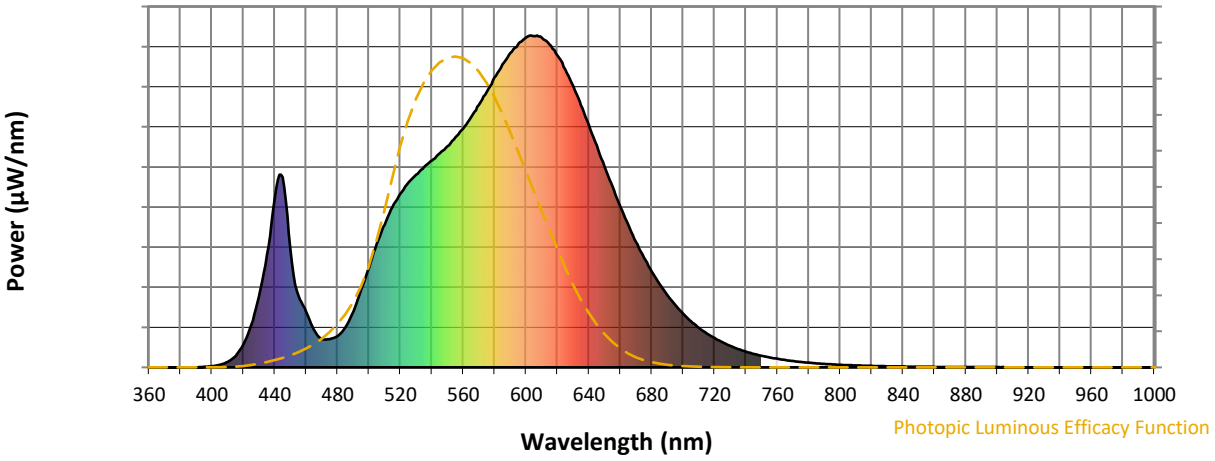


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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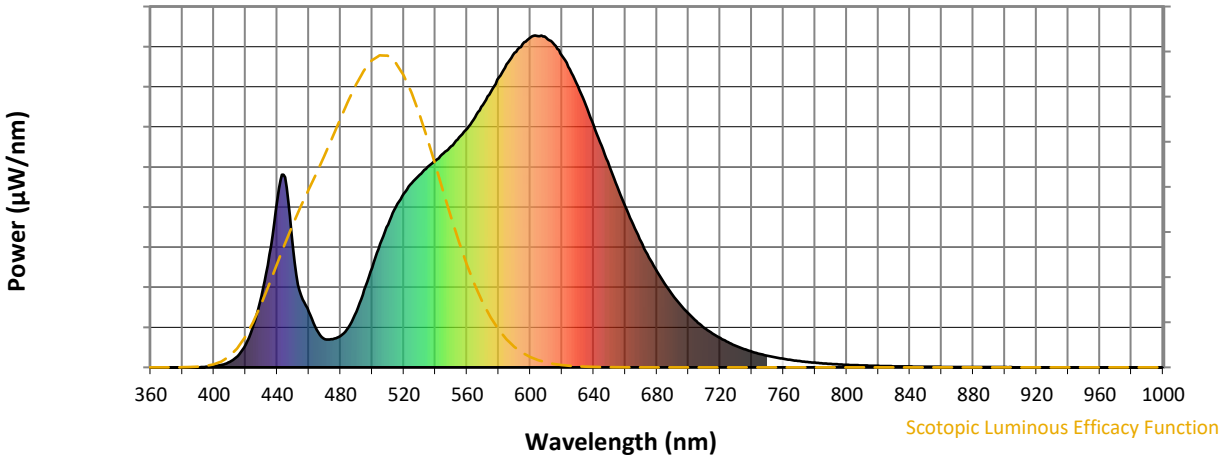
Scotopic Flux vs. Wavelength



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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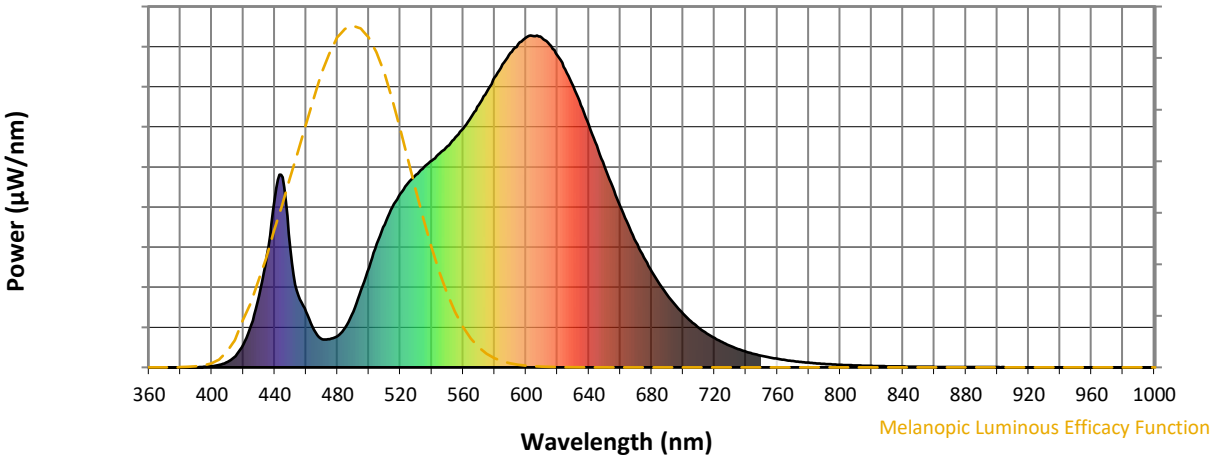
Melanopic Flux vs. Wavelength



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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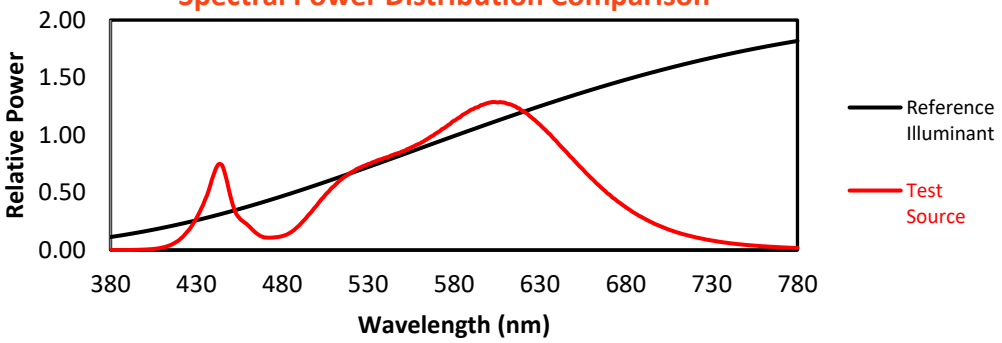
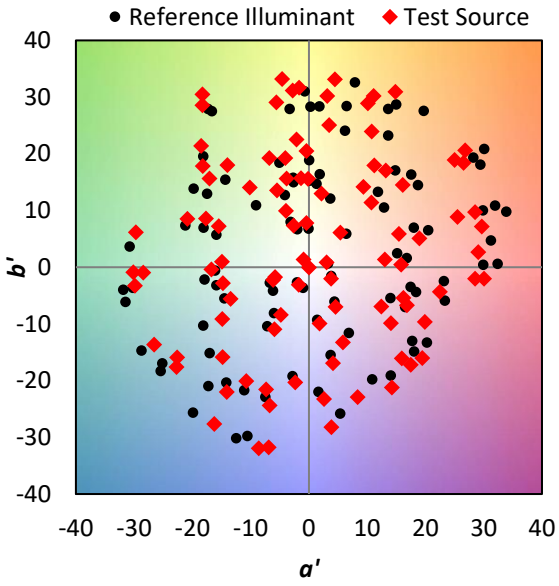
Summary

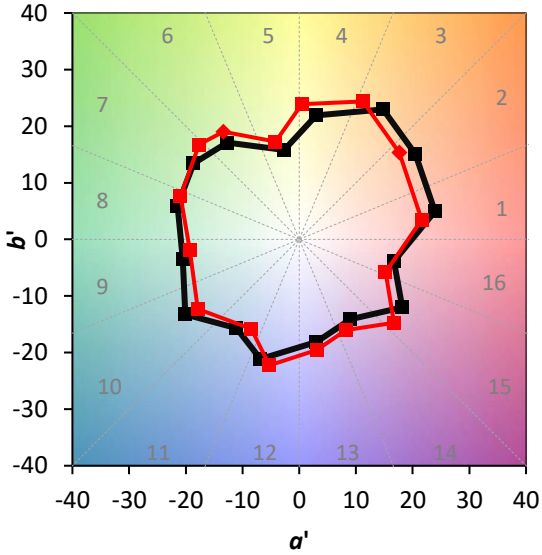
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

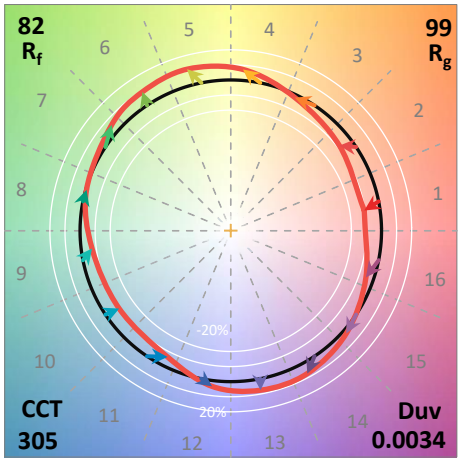
Spectral Power Distribution Comparison

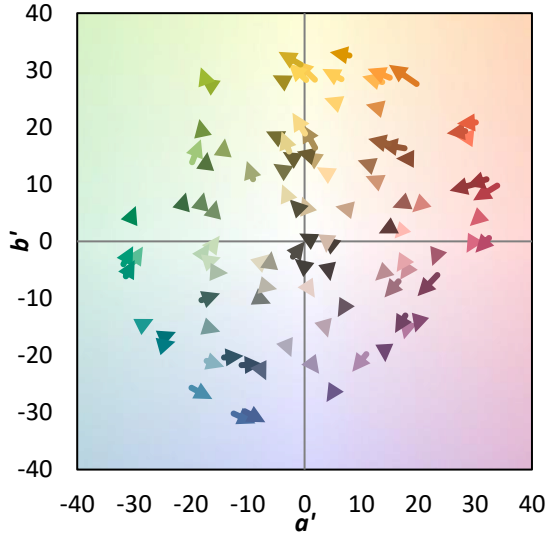


Color Vector Graphics









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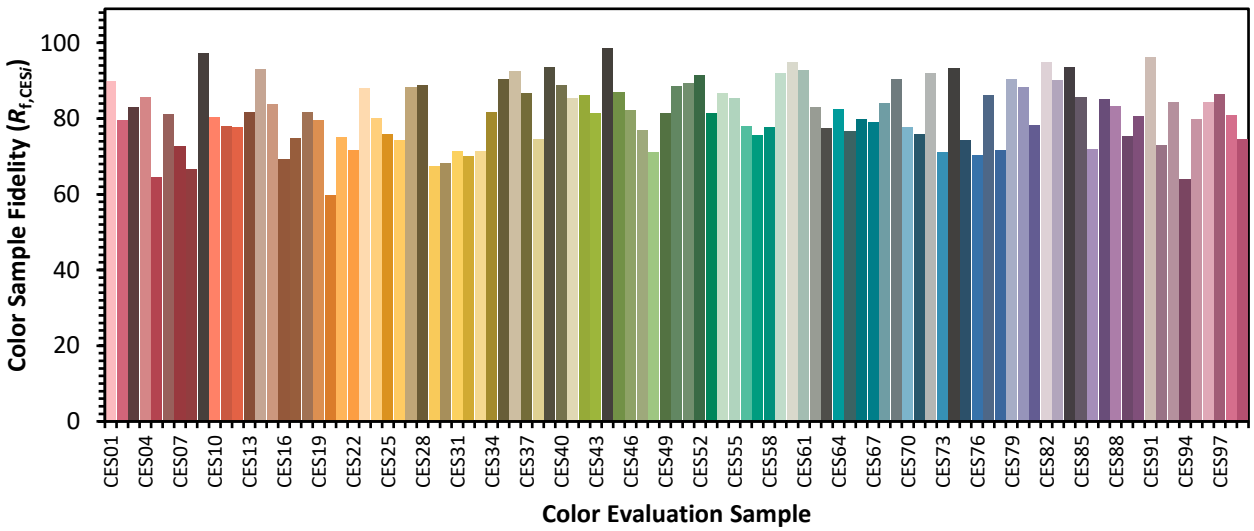
Individual Sample Fidelity Index ($R_{f,i}$)

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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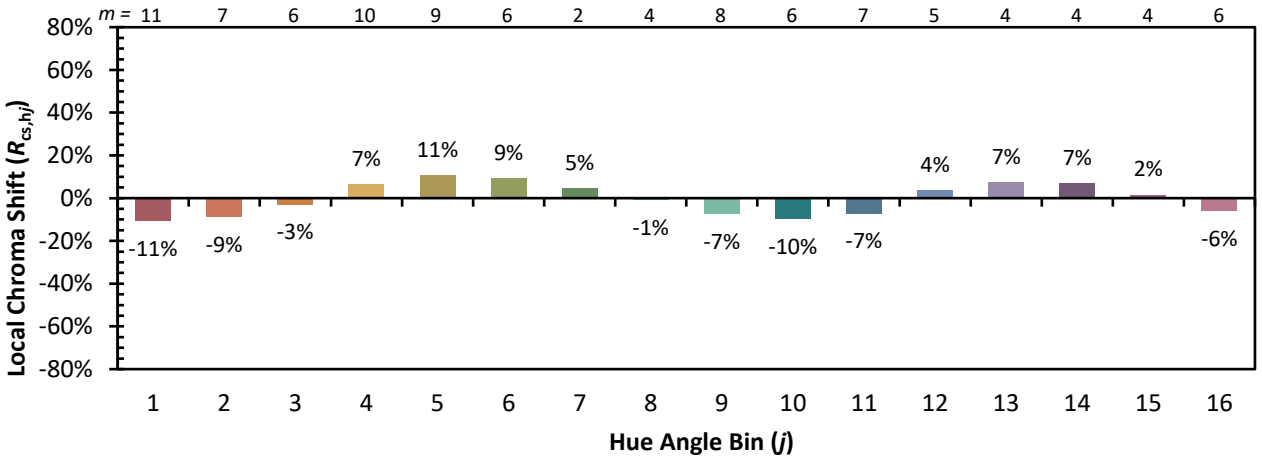
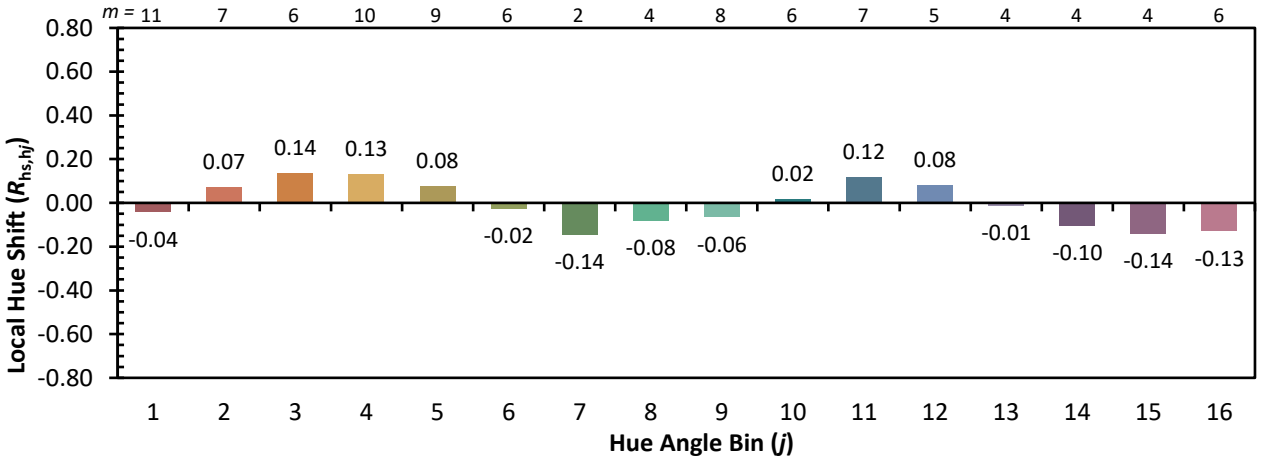
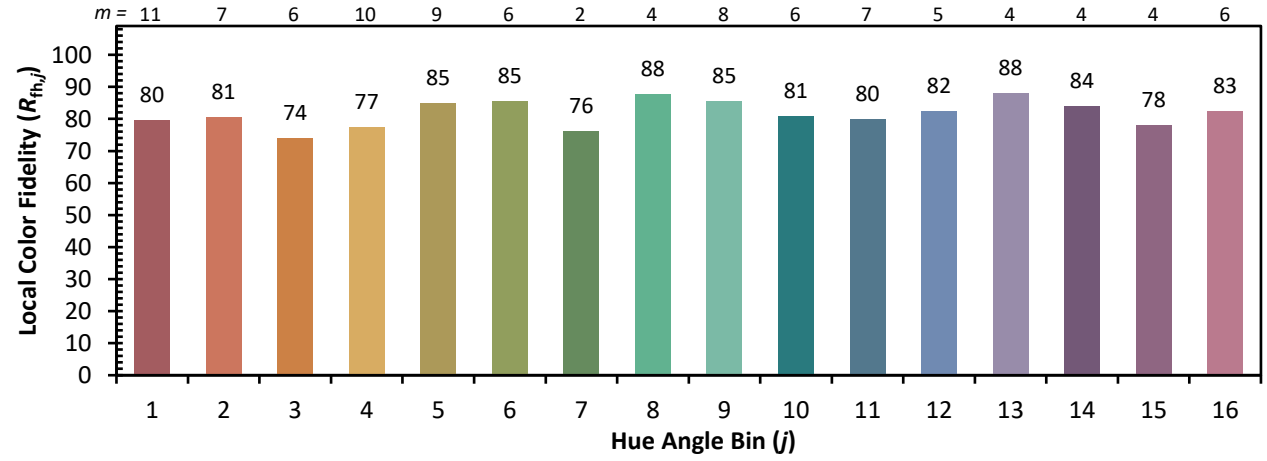
Color Rendition by Hue-Angle Bin







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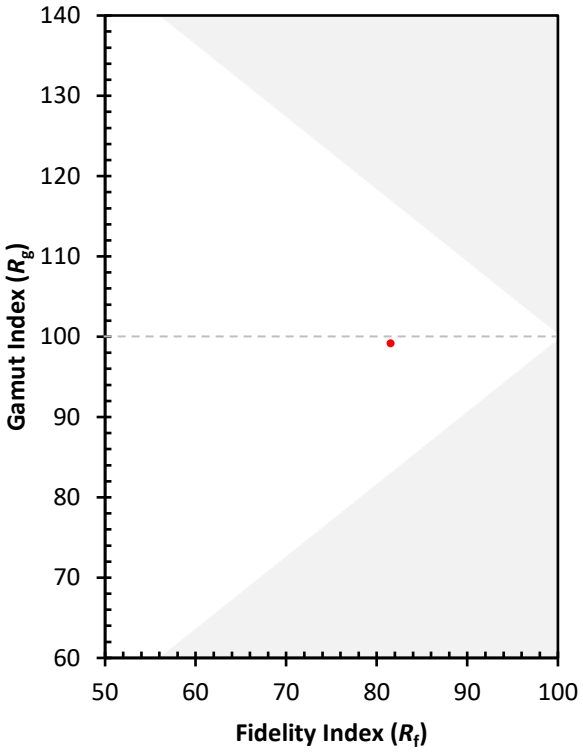
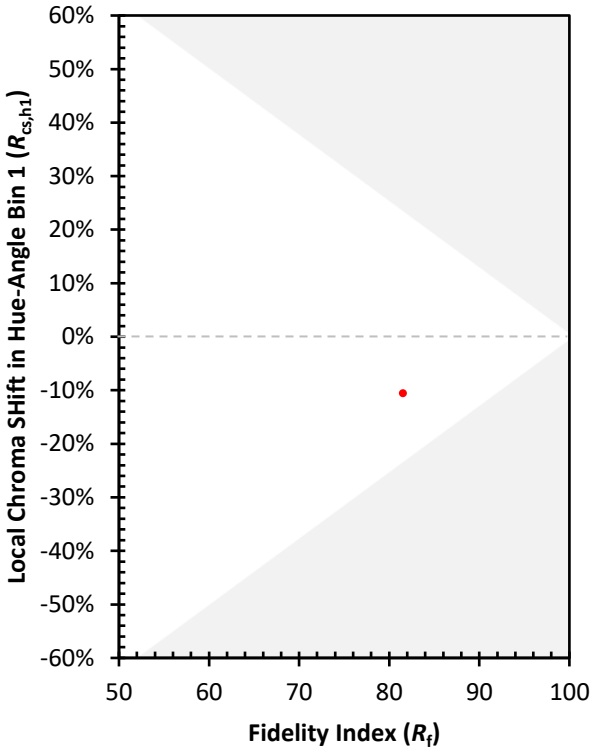
Measure Comparisons





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