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: P386739

Luminaire Tested: **GPC-SA2B-830-U-T4FT**

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:	P386739
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
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-T4FT
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9534 lumens
Efficiency:	N/A
Efficacy:	112.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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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REPORT NUMBER: P386739
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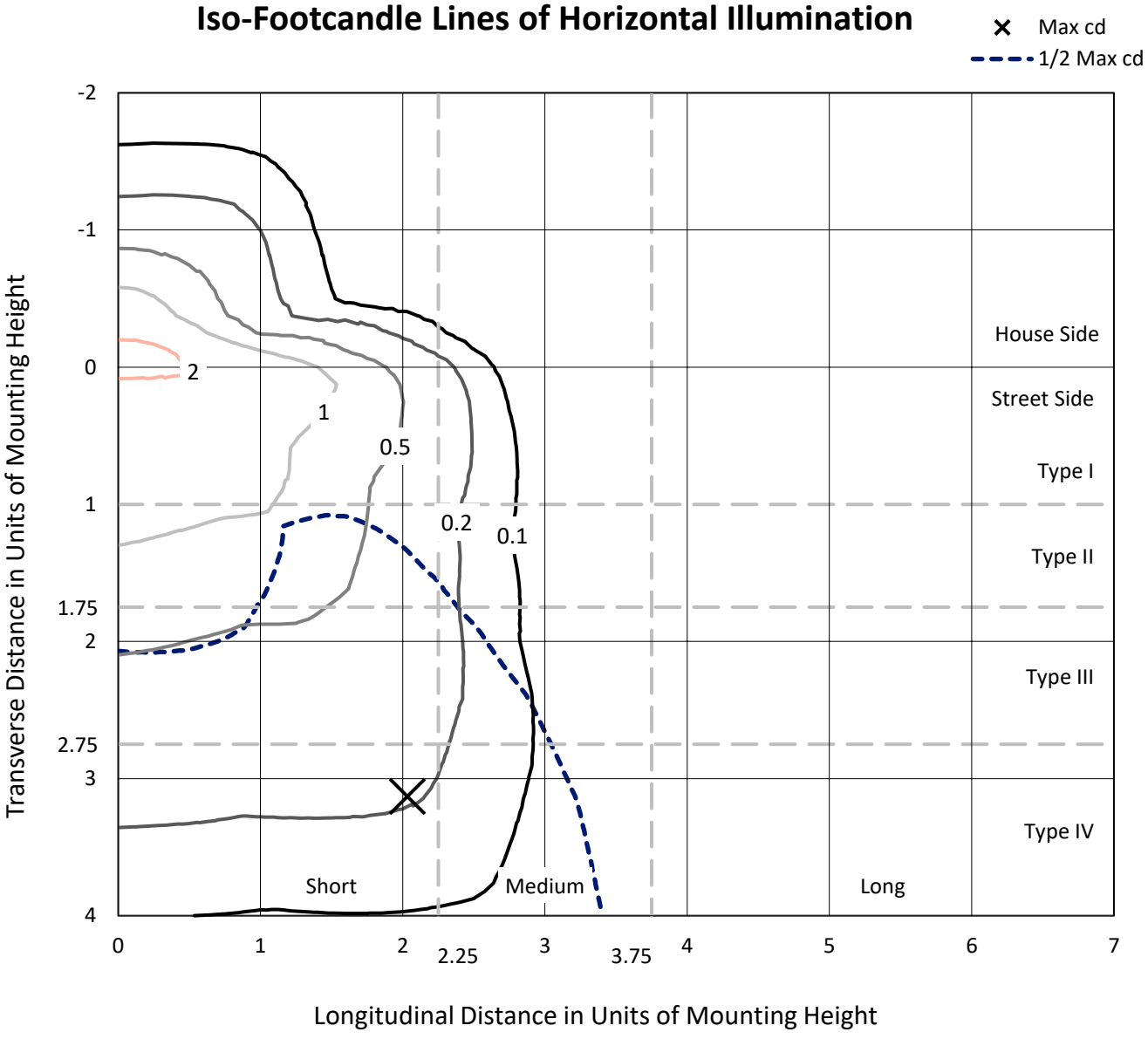
Iso-Footcandle Lines of Horizontal Illumination



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

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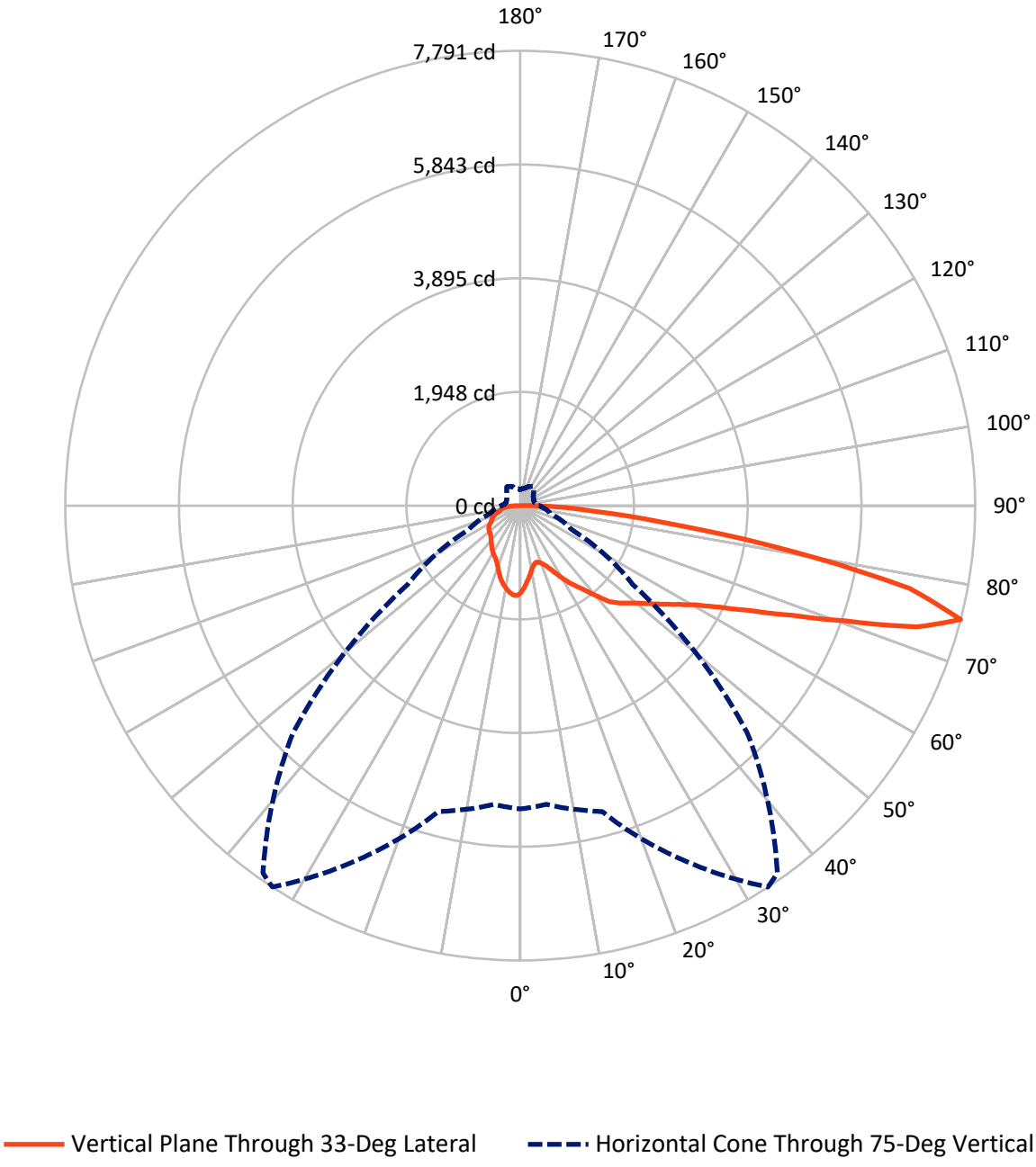
Luminous Intensity Polar Plot



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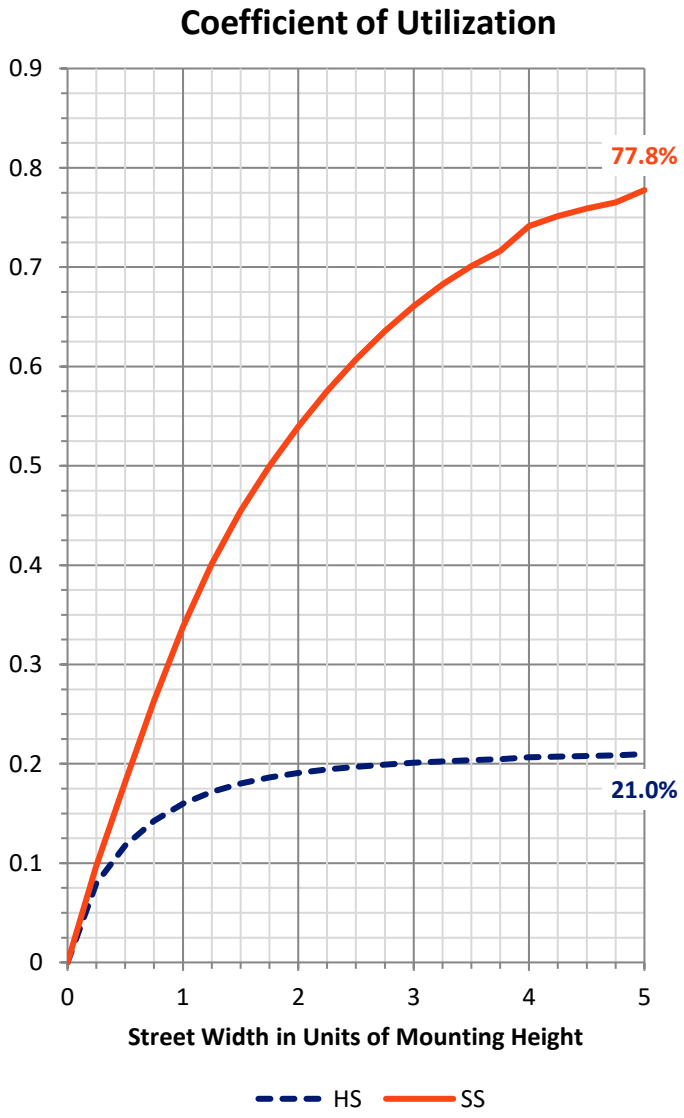
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2047.2	0.0	2047.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7486.8	0.0	7486.8
	% Fixture	78.5	0.0	78.5
Total	Lumens	9534.0	0.0	9534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.8	1.4
10°-20°	365.0	3.8
20°-30°	596.1	6.3
30°-40°	887.8	9.3
40°-50°	1273.3	13.4
50°-60°	1748.1	18.3
60°-70°	2188.5	23.0
70°-80°	1979.8	20.8
80°-90°	360.6	3.8
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°	9534.0	100.0
0°-180°	9534.0	100.0



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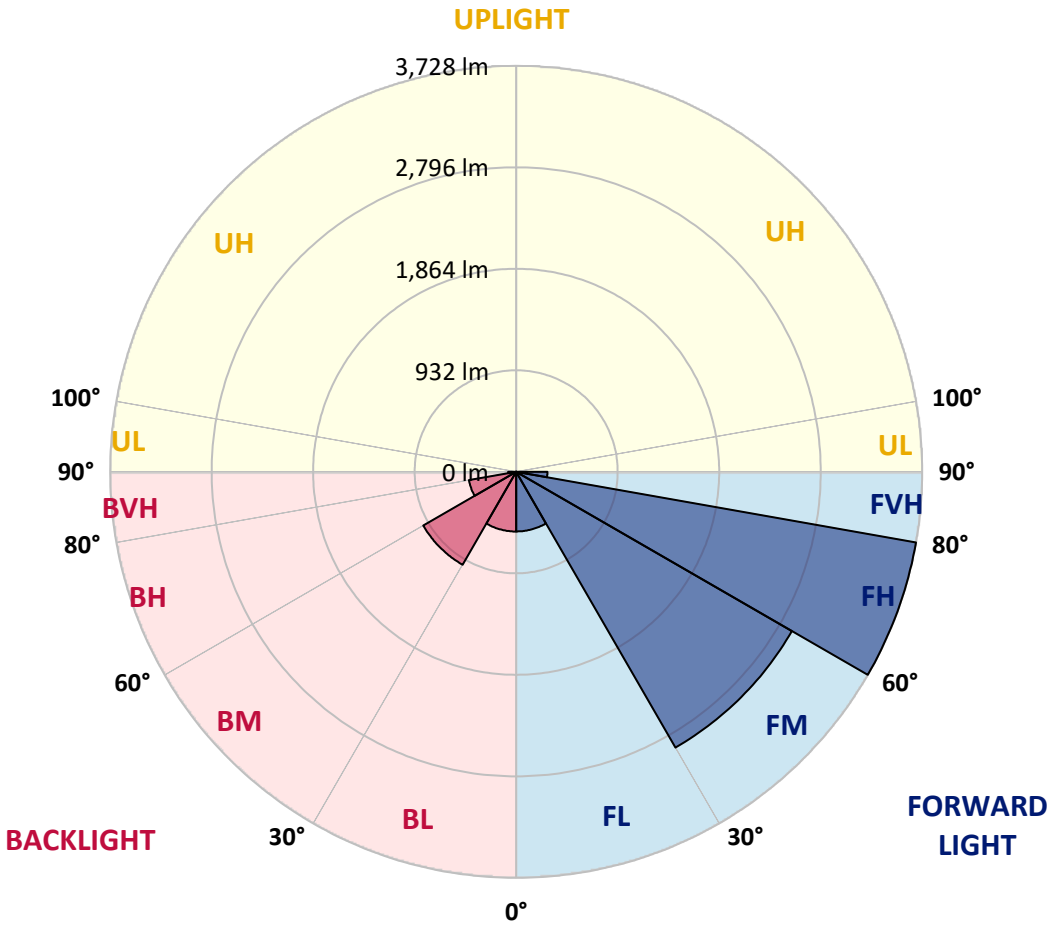
REPORT NUMBER: P386739
CATALOG NUMBER: GPC-SA2B-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	547.6	5.7			
FM	(30°-60°)	2923.9	30.7			
FH	(60°-80°)	3728.1	39.1			G2/5000
FVH	(80°-90°)	287.2	3.0			G3/500
BL	(0°-30°)	548.3	5.8	B2/1000		
BM	(30°-60°)	985.3	10.3	B1/1000		
BH	(60°-80°)	440.2	4.6	B1/500		G1/500
BVH	(80°-90°)	73.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P386739
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	1490.2	1490.2	1490.2	1490.2	*1490.2*	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2
2.5°	1383.8	1378.6	1388.5	1389.8	*1398.3*	1401.6	1413.5	1431.9	1447.1	1464.5	1480.3
5°	1258.4	1254.7	1268.6	1278.5	*1297.2*	1305.1	1333.1	1372.3	1407.2	1446.7	1482.6
7.5°	1139.2	1137.2	1152.7	1175.0	*1196.8*	1207.7	1256.1	1313.0	1371.3	1435.2	1490.2
10°	1038.7	1038.0	1052.9	1074.9	*1106.9*	1119.1	1181.6	1256.7	1338.4	1426.3	1503.1
12.5°	982.4	984.7	991.6	1010.1	*1039.7*	1051.9	1121.4	1209.6	1310.7	1423.4	1521.8
15°	996.2	999.8	988.0	987.3	*1008.4*	1018.0	1083.2	1176.0	1291.0	1428.3	1549.2
17.5°	1055.2	1055.8	1024.5	1004.8	*1017.6*	1022.6	1071.3	1156.9	1279.4	1439.5	1583.4
20°	1138.2	1136.5	1081.2	1048.3	*1055.2*	1056.5	1088.1	1157.3	1278.5	1458.9	1627.9
22.5°	1248.2	1236.0	1161.5	1116.8	*1115.1*	1113.1	1131.2	1181.6	1292.9	1490.5	1680.9
25°	1391.7	1380.2	1277.8	1216.5	*1203.4*	1198.4	1201.1	1233.7	1321.6	1524.5	1740.2
27.5°	1551.5	1531.4	1432.6	1346.0	*1318.6*	1311.7	1295.9	1307.1	1352.9	1557.1	1810.7
30°	1685.2	1674.3	1588.0	1485.3	*1453.0*	1443.1	1401.6	1389.4	1398.0	1601.5	1899.6
32.5°	1759.9	1752.7	1700.3	1617.3	*1587.4*	1573.5	1514.9	1490.5	1470.5	1671.7	2020.1
35°	1850.5	1845.9	1814.3	1754.0	*1709.6*	1695.1	1649.6	1624.3	1572.6	1768.2	2175.9
37.5°	1965.8	1960.8	1961.5	1912.7	*1859.7*	1846.2	1816.3	1789.6	1704.9	1895.0	2345.2
40°	2096.2	2086.6	2083.0	2080.7	*2047.1*	2039.5	2023.7	1987.5	1870.9	2046.5	2512.1
42.5°	2292.5	2258.5	2186.1	2213.4	*2246.7*	2242.7	2255.6	2203.5	2055.3	2225.6	2675.1
45°	2481.8	2426.2	2301.0	2307.0	*2379.7*	2401.8	2498.0	2461.1	2255.3	2421.9	2843.8
47.5°	2568.1	2526.0	2419.6	2419.9	*2492.0*	2537.8	2748.6	2722.2	2465.4	2644.8	3049.6
50°	2664.6	2622.5	2526.9	2562.8	*2625.7*	2674.5	2990.6	2977.1	2665.3	2888.9	3296.3
52.5°	2770.0	2698.5	2637.9	2702.2	*2790.4*	2847.1	3233.0	3196.1	2848.7	3134.6	3579.8
55°	2771.3	2751.9	2798.0	2845.1	*2977.1*	3046.6	3486.9	3389.5	2998.2	3376.0	3810.7
57.5°	2929.1	2897.4	2995.3	3017.0	*3189.6*	3267.9	3739.5	3557.8	3150.4	3561.0	3935.2
60°	3137.9	3110.8	3190.9	3248.2	*3452.4*	3557.1	4009.3	3730.6	3269.9	3700.7	3929.2
62.5°	3498.5	3467.8	3466.9	3547.2	*3822.2*	3944.1	4311.9	3900.3	3317.3	3728.3	3761.6
65°	4026.4	3977.6	3885.8	3924.0	*4333.0*	4454.5	4650.1	4023.1	3254.8	3580.1	3329.9
67.5°	4540.1	4538.5	4425.5	4503.9	*5007.5*	5104.9	5035.5	4035.3	3059.5	3064.1	2563.8
70°	5052.2	5058.8	5039.7	5312.4	*5918.7*	6020.1	5445.8	3871.6	2620.5	2212.8	1536.0
72.5°	5458.0	5456.3	5552.5	6255.6	*7101.3*	7078.6	5791.6	3375.6	1881.5	1194.5	734.1
75°	*5195.2*	*5137.9*	*5424.4*	*6722.6*	*7790.6*	*7679.6*	*5497.5*	*2354.7*	*976.5*	*543.7*	*395.2*
77.5°	3388.5	3442.8	3863.4	5553.5	*6814.5*	6679.5	4033.3	1098.6	460.1	356.7	286.5
80°	1227.1	1284.4	1809.0	3145.8	*4694.9*	4672.9	1986.2	451.5	311.2	269.4	208.8
82.5°	422.2	443.3	713.7	1397.0	*2650.8*	2749.6	747.2	256.5	226.2	191.0	142.9
85°	165.7	189.7	326.4	672.2	*1337.1*	1347.0	302.7	153.5	157.4	125.1	78.4
87.5°	62.9	76.4	156.1	312.2	*610.6*	560.8	108.3	73.1	89.6	74.4	37.2
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: P386739
CATALOG NUMBER: GPC-SA2B-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2	1490.2
2.5°	1492.5	1499.4	1513.9	1523.8	1534.3	1537.3	1538.6	1541.3	1543.9	1542.9	1543.2
5°	1501.7	1515.2	1538.6	1548.5	1553.1	1547.9	1537.6	1529.4	1523.5	1520.2	1519.2
7.5°	1516.9	1536.0	1561.0	1559.4	1548.8	1525.5	1499.1	1479.3	1462.9	1457.0	1453.7
10°	1537.0	1559.4	1576.8	1558.1	1527.4	1486.9	1447.4	1416.8	1392.1	1382.5	1380.9
12.5°	1562.7	1585.4	1588.7	1548.8	1498.1	1442.8	1389.1	1348.6	1311.7	1299.9	1297.2
15°	1595.9	1617.3	1596.9	1532.7	1461.9	1387.5	1318.0	1263.0	1224.1	1209.6	1204.4
17.5°	1630.8	1651.3	1598.6	1506.0	1414.5	1321.9	1234.7	1178.3	1133.9	1117.1	1115.1
20°	1672.7	1681.9	1591.7	1467.8	1349.3	1237.0	1145.1	1092.1	1068.3	1056.5	1055.2
22.5°	1724.4	1714.5	1575.8	1416.1	1266.6	1138.8	1064.1	1039.4	1033.4	1030.8	1031.8
25°	1779.0	1748.7	1552.5	1348.6	1162.2	1040.7	1004.8	1011.7	1019.6	1018.6	1018.6
27.5°	1839.3	1783.7	1516.6	1259.0	1046.6	960.3	964.6	990.0	1001.8	1001.5	1001.2
30°	1916.7	1823.2	1470.8	1151.3	938.6	903.7	929.7	960.7	976.8	976.1	976.5
32.5°	2011.9	1866.6	1408.5	1031.1	860.5	861.9	891.8	922.5	941.2	939.6	939.9
35°	2123.2	1915.4	1324.2	912.6	808.8	828.6	852.3	873.7	891.5	889.2	886.9
37.5°	2244.4	1963.1	1212.3	806.5	766.7	797.6	817.4	821.0	829.3	823.3	819.0
40°	2359.6	1999.7	1068.0	719.6	724.2	771.3	784.1	769.6	754.8	752.8	746.9
42.5°	2460.1	2011.9	922.1	650.1	679.4	743.6	751.5	721.2	694.6	682.0	676.8
45°	2566.1	2016.2	786.1	591.8	636.3	718.9	727.5	687.0	649.4	622.4	613.5
47.5°	2704.8	2047.1	680.4	548.7	603.3	702.5	714.6	659.6	610.9	572.4	564.1
50°	2886.2	2108.4	594.4	515.7	581.9	691.6	705.4	633.0	579.3	532.9	524.6
52.5°	3087.8	2164.7	525.0	489.1	561.2	672.5	693.6	613.9	549.7	496.3	487.4
55°	3228.8	2121.5	469.0	461.4	534.2	645.2	677.1	597.7	507.2	460.7	452.8
57.5°	3255.8	1974.0	426.5	432.7	501.6	610.9	651.7	561.8	484.1	445.3	437.0
60°	3182.0	1768.5	394.9	406.4	466.7	567.8	604.3	536.5	462.0	428.8	421.9
62.5°	2996.6	1558.1	371.5	382.7	434.1	524.0	574.7	509.8	439.7	410.0	403.1
65°	2622.1	1308.1	349.1	361.6	403.8	486.1	548.0	485.1	417.6	394.9	388.3
67.5°	1979.3	979.8	328.0	339.2	376.8	453.2	519.0	460.7	396.2	381.7	373.8
70°	1165.5	613.5	304.0	315.8	348.4	418.9	488.1	434.1	369.5	362.9	352.7
72.5°	542.4	369.2	276.6	288.2	312.9	373.1	448.2	399.1	337.9	323.4	309.6
75°	*323.7*	*270.1*	*244.4*	*254.6*	*272.0*	*324.4*	*398.2*	*363.6*	*307.9*	*288.8*	*274.3*
77.5°	242.1	206.5	208.8	219.7	233.8	283.9	352.7	335.6	284.9	270.1	260.2
80°	174.2	156.8	170.3	182.1	196.9	258.2	337.9	310.2	257.5	237.8	228.6
82.5°	116.3	112.6	128.1	140.3	154.8	225.9	317.5	271.7	220.0	195.0	174.5
85°	64.2	67.8	86.3	91.6	104.1	159.1	260.2	218.3	165.7	133.4	127.5
87.5°	26.7	31.3	46.4	44.8	55.3	94.8	171.3	131.7	105.4	78.7	61.3
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

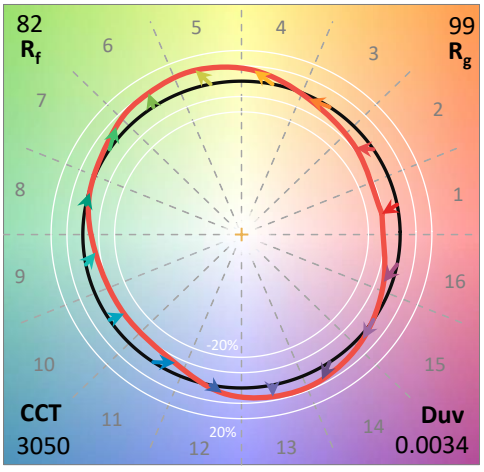
Test Information

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

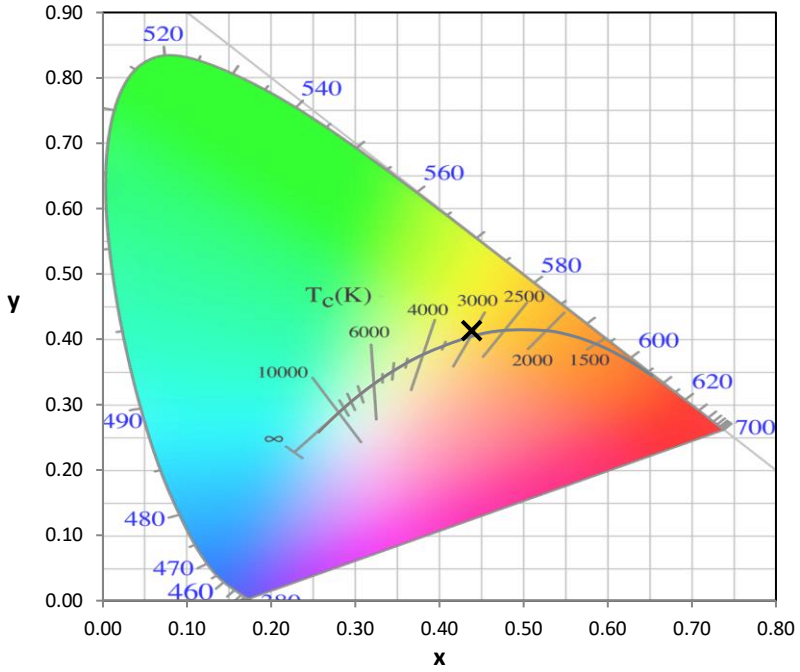
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

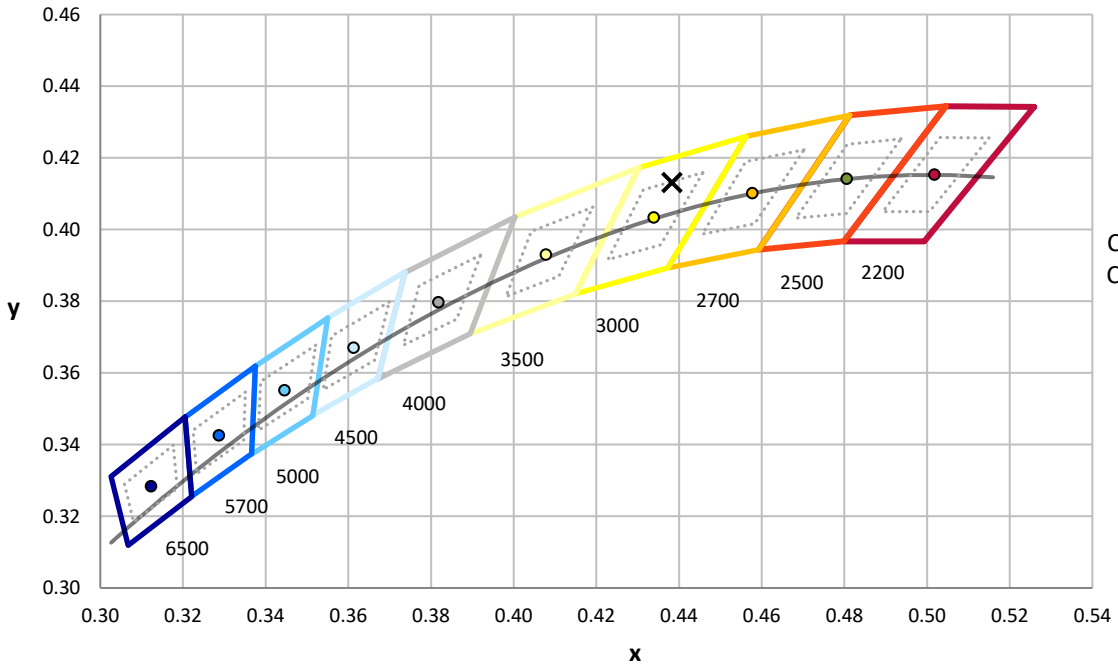
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

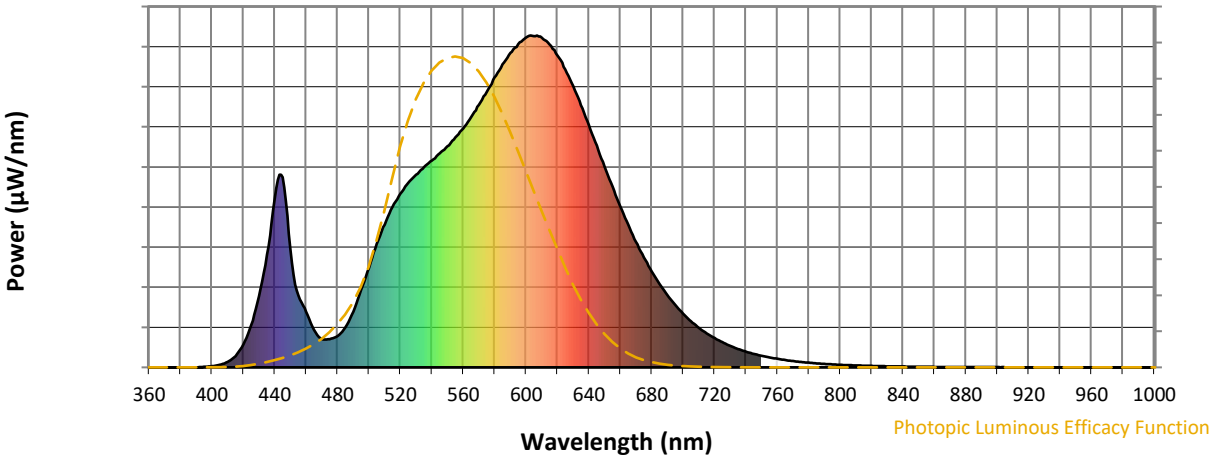


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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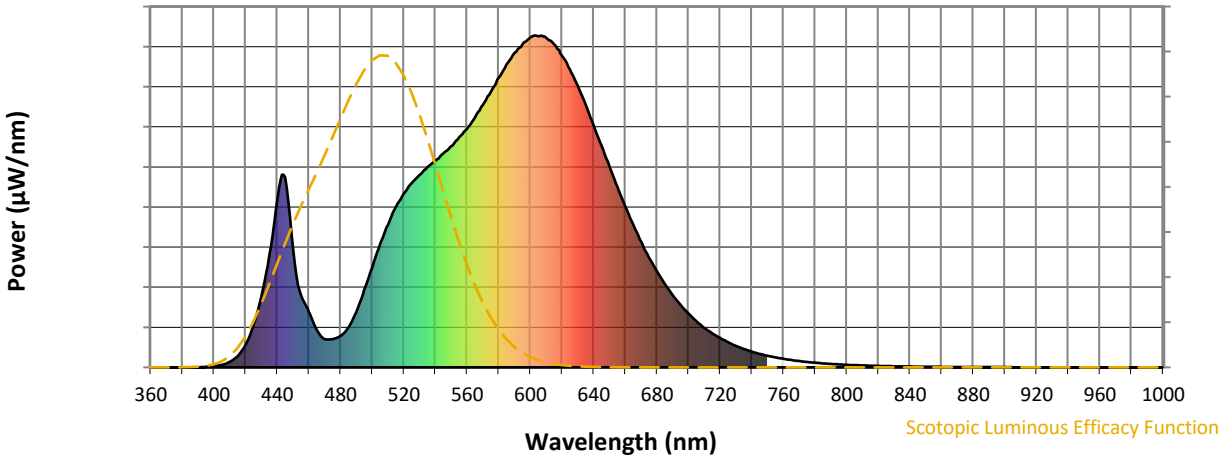
Scotopic Flux vs. Wavelength



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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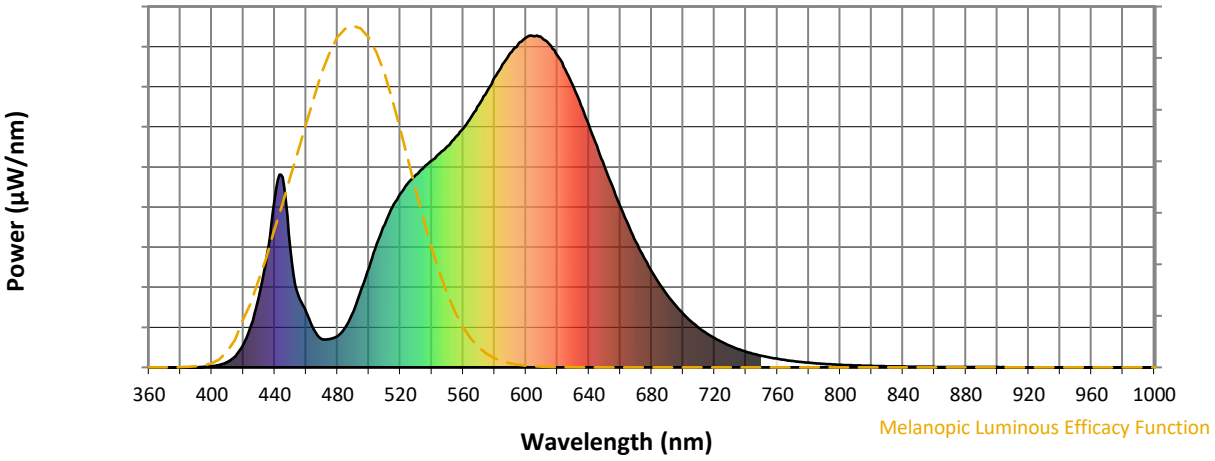
Melanopic Flux vs. Wavelength



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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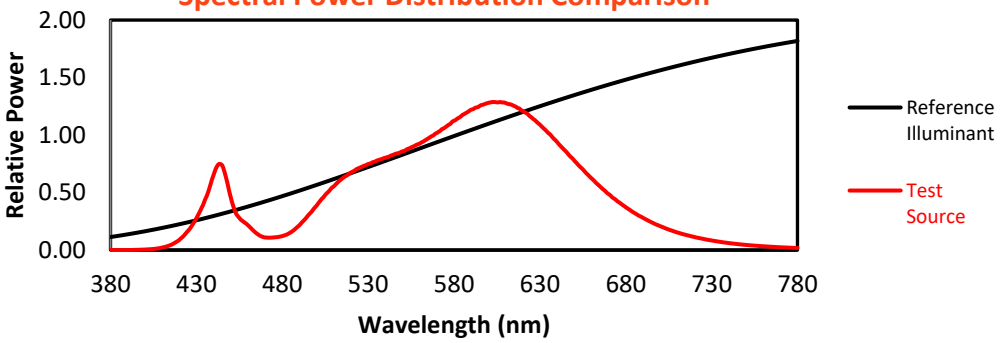
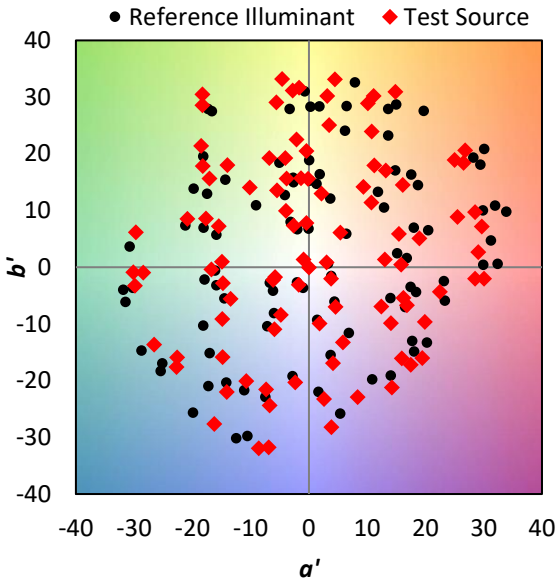
Summary

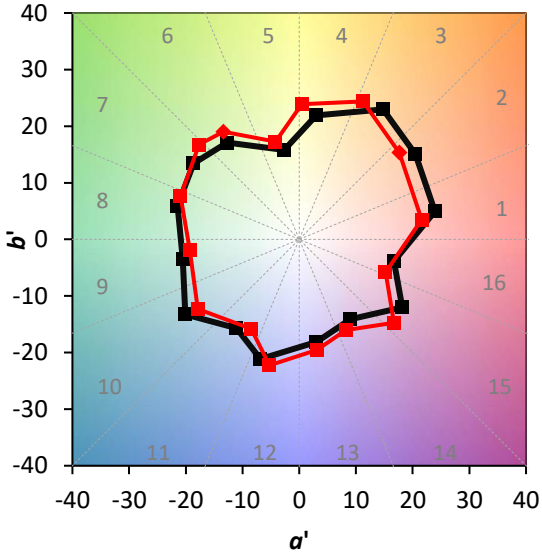
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

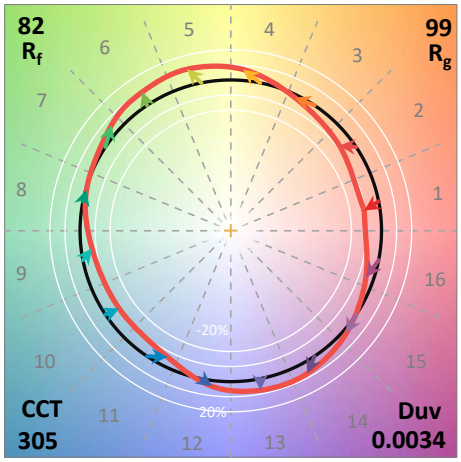
Spectral Power Distribution Comparison

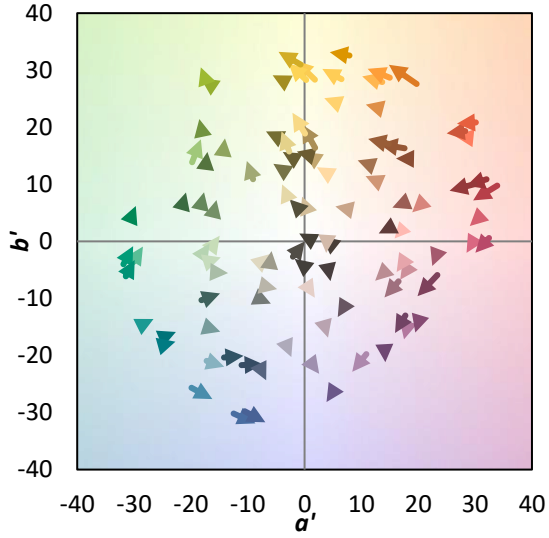


Color Vector Graphics









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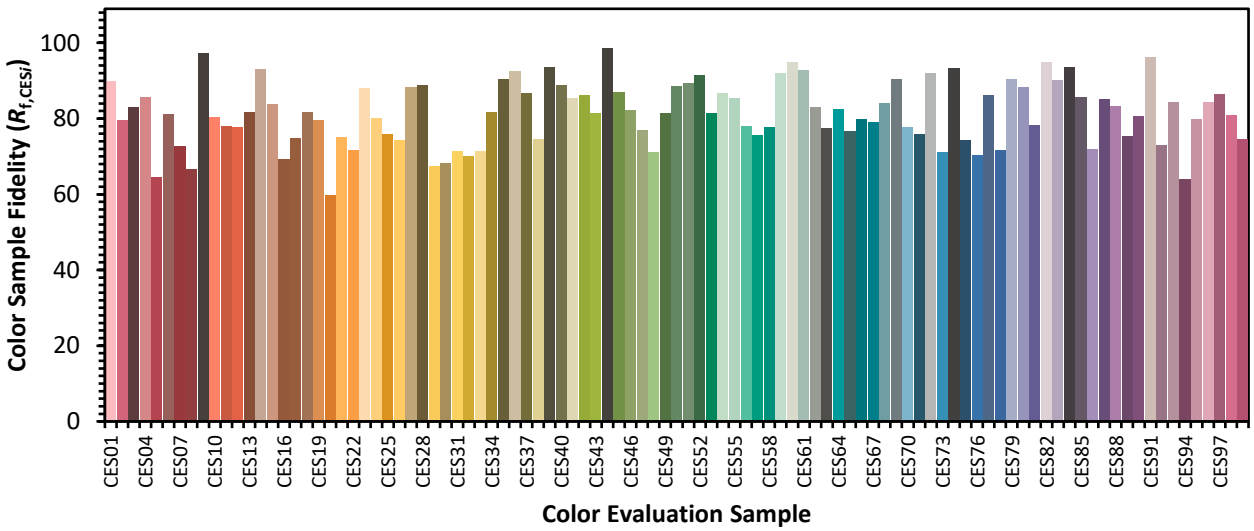
Individual Sample Fidelity Index ($R_{f,i}$)

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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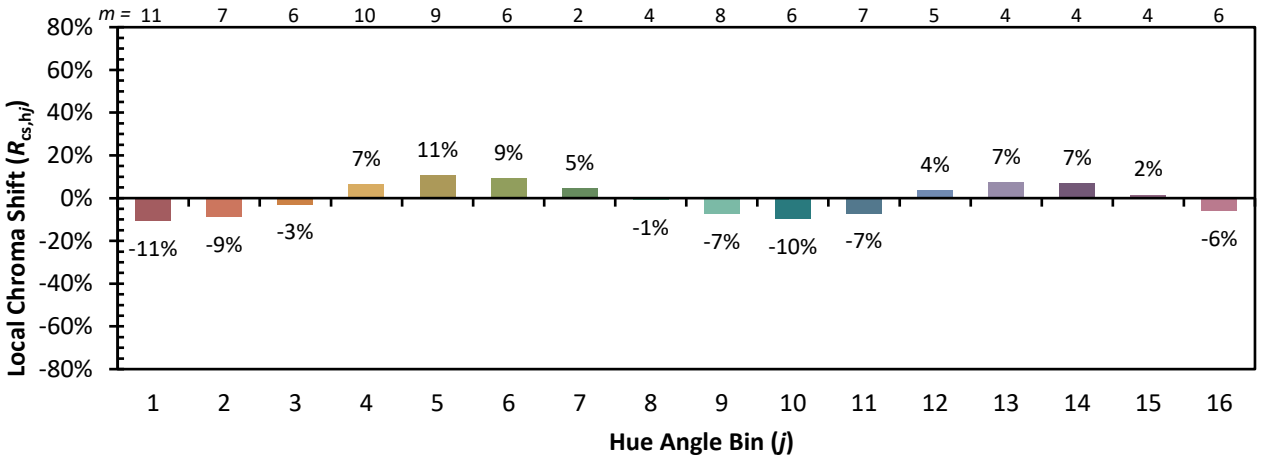
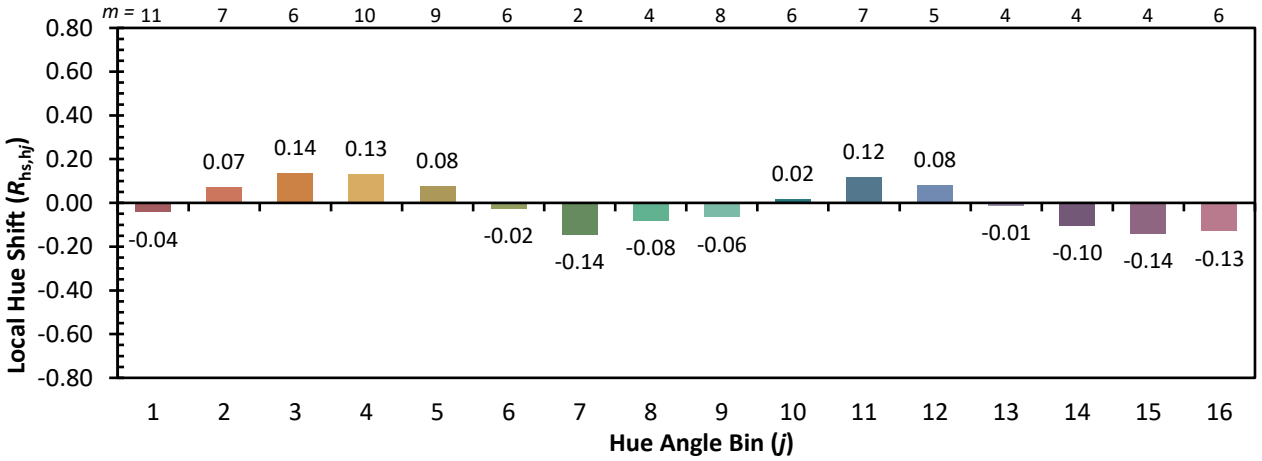
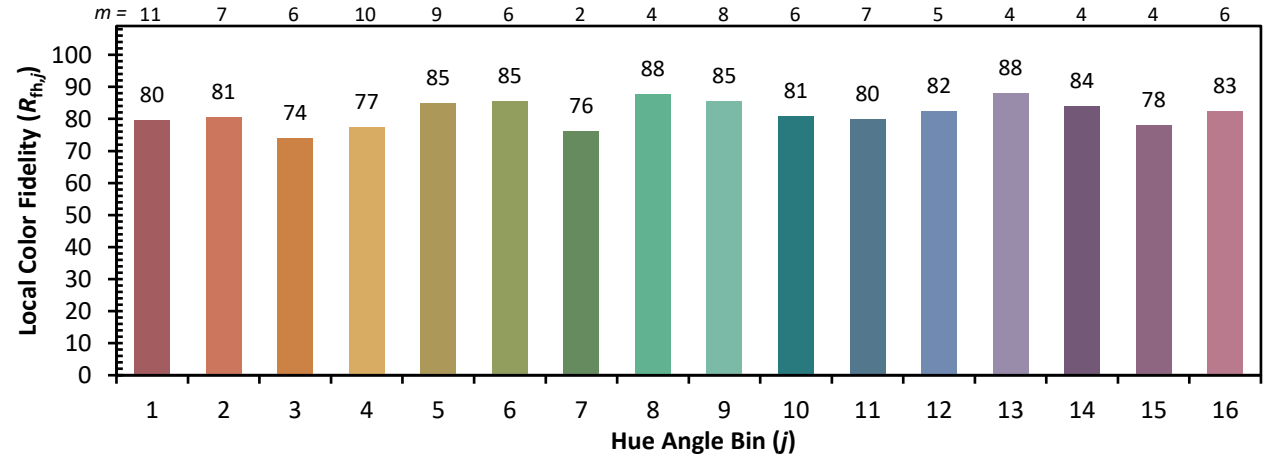
Color Rendition by Hue-Angle Bin







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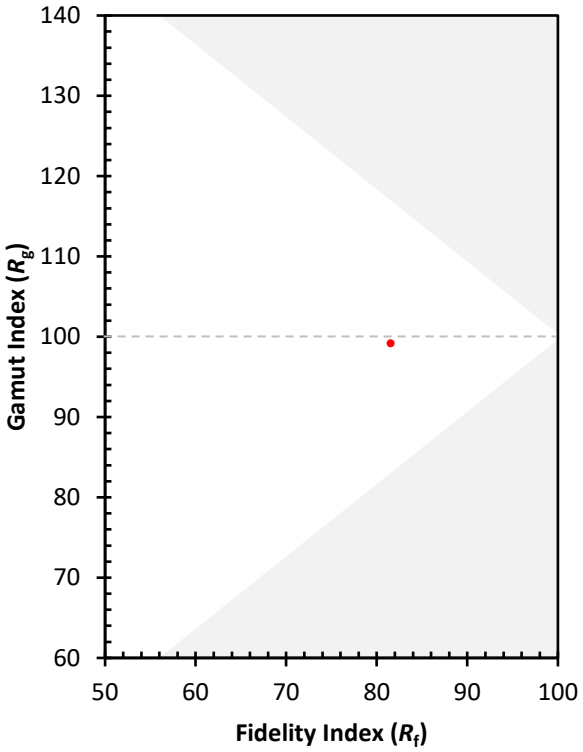
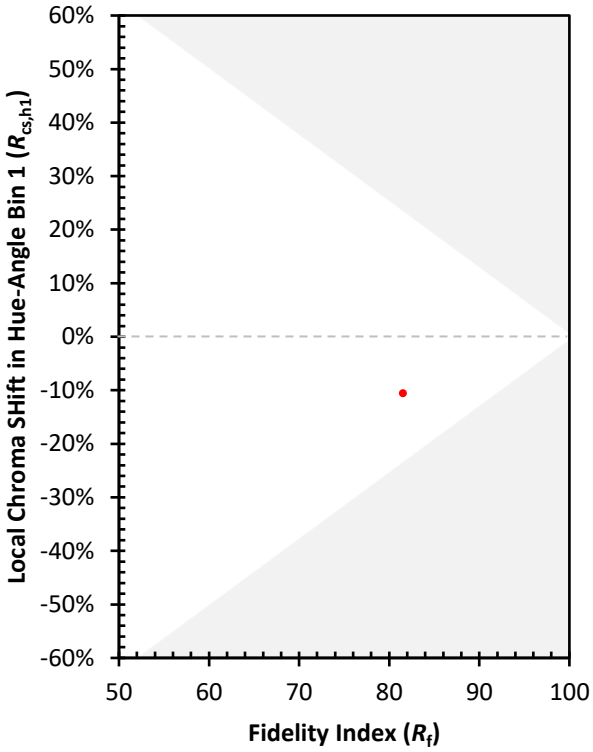
Measure Comparisons





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