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: P387187

Luminaire Tested: **GPC-SA2D-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:	P387187
	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-SA2D-830-U-T4FT
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA 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:	12945 lumens
Efficiency:	N/A
Efficacy:	101.1 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):	128
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: P387187
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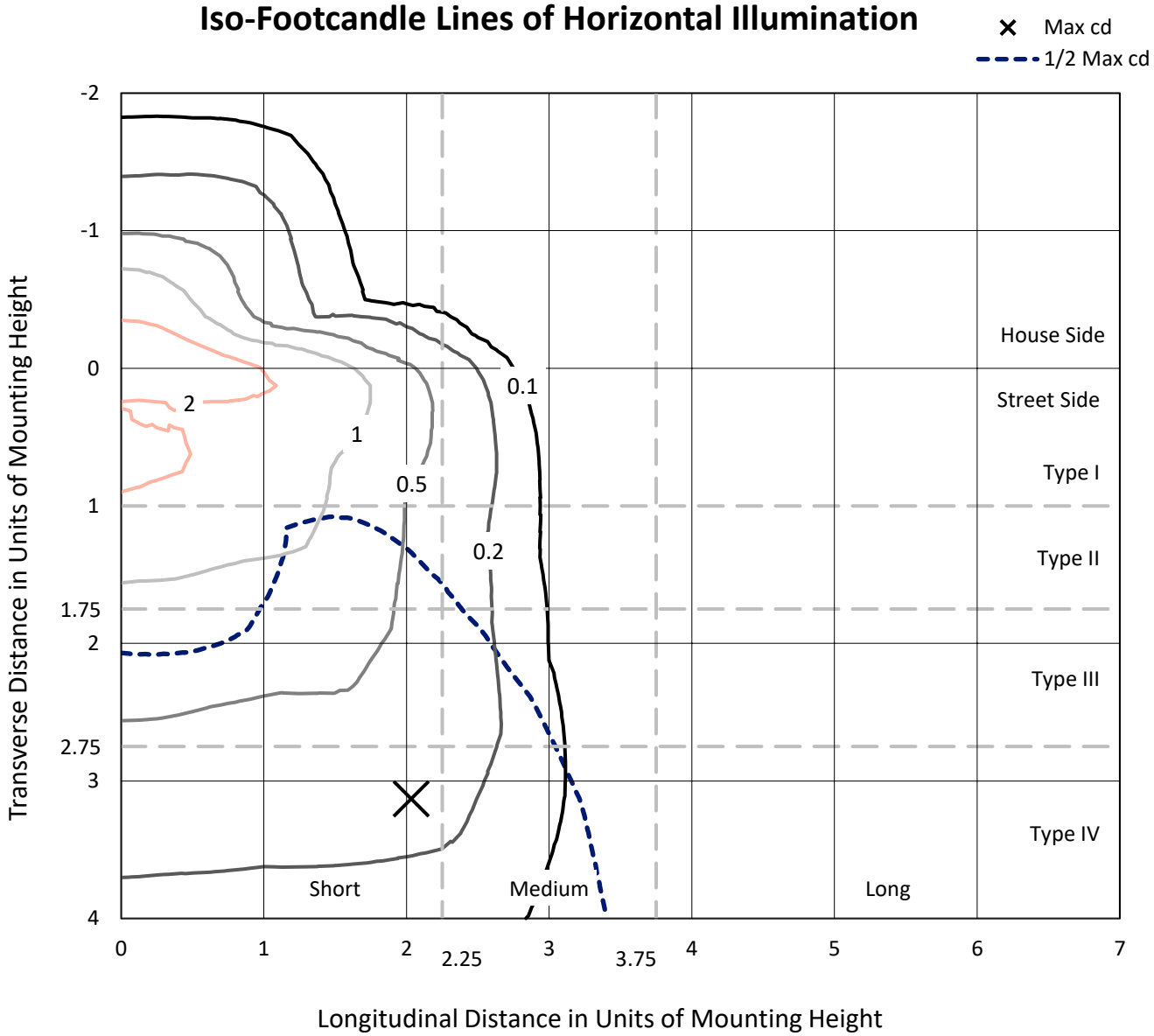
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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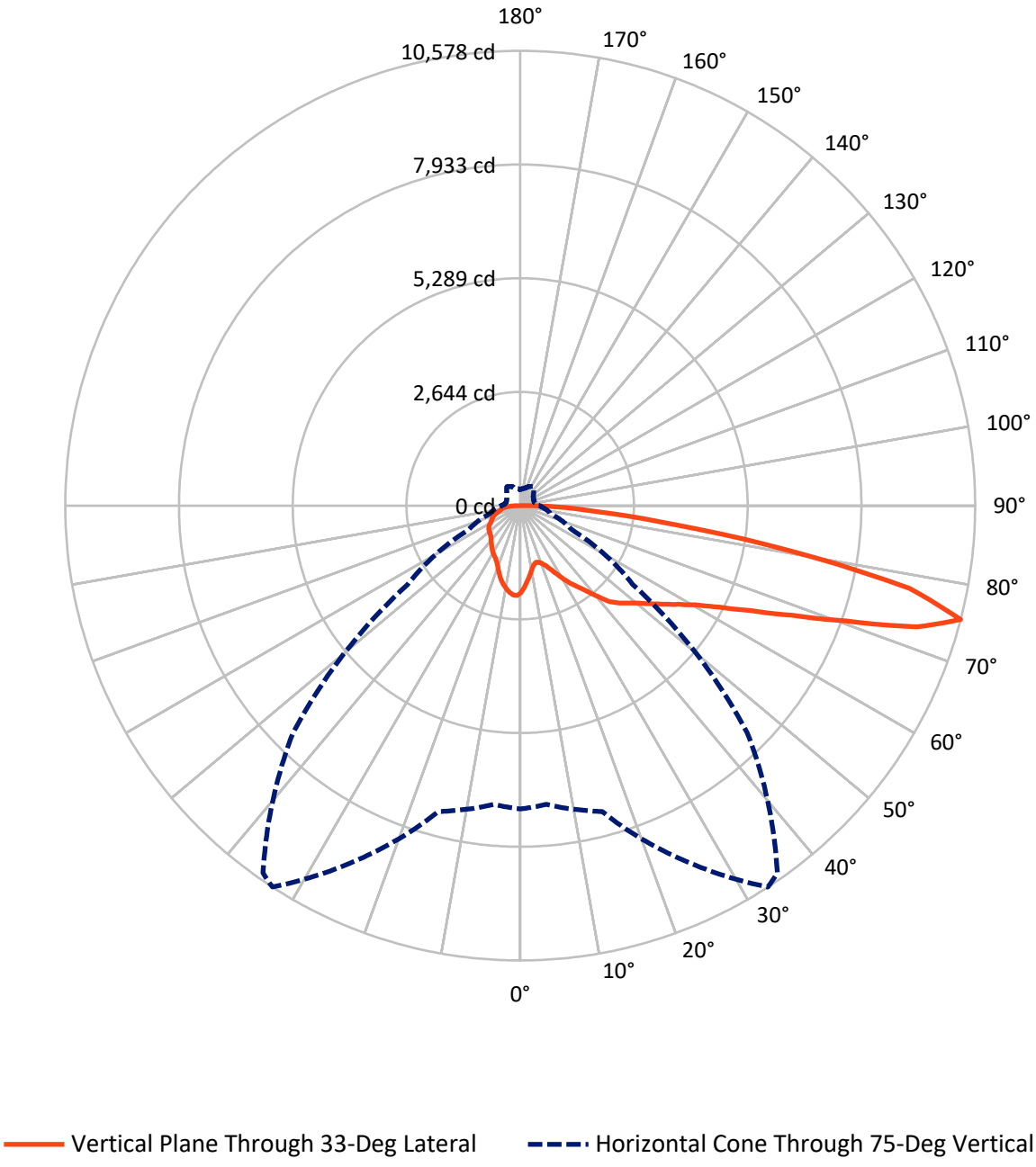
Luminous Intensity Polar Plot



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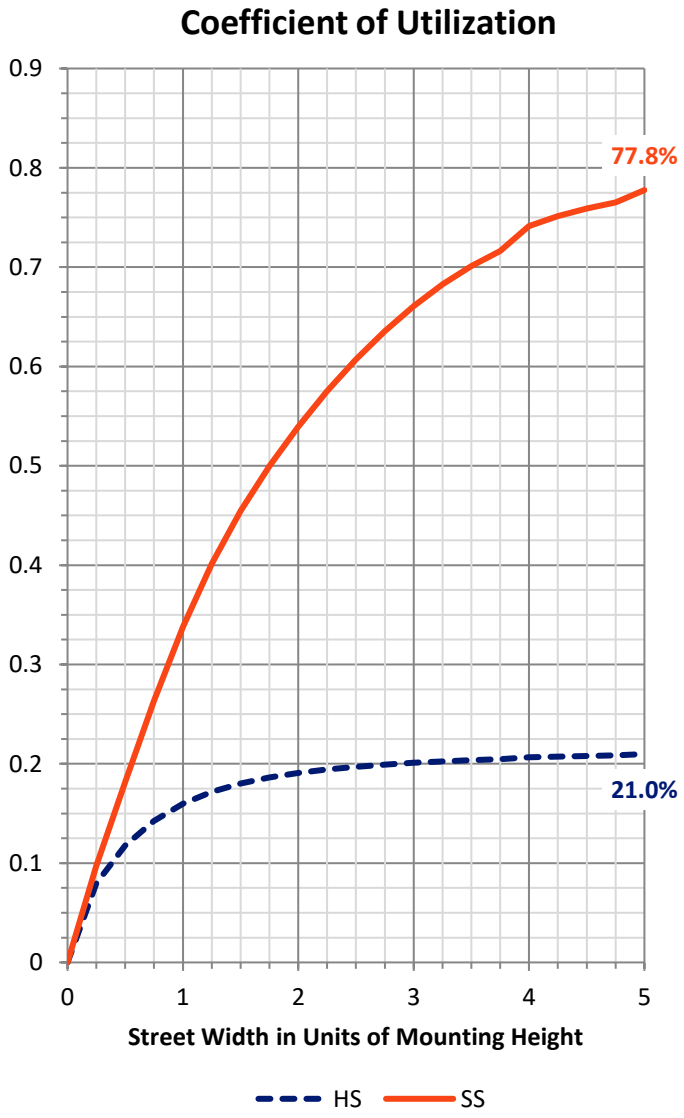
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2779.6	0.0	2779.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	10165.4	0.0	10165.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	12945.0	0.0	12945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	1.4
10°-20°	495.6	3.8
20°-30°	809.4	6.3
30°-40°	1205.4	9.3
40°-50°	1728.9	13.4
50°-60°	2373.5	18.3
60°-70°	2971.5	23.0
70°-80°	2688.2	20.8
80°-90°	489.7	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°	12945.0	100.0
0°-180°	12945.0	100.0



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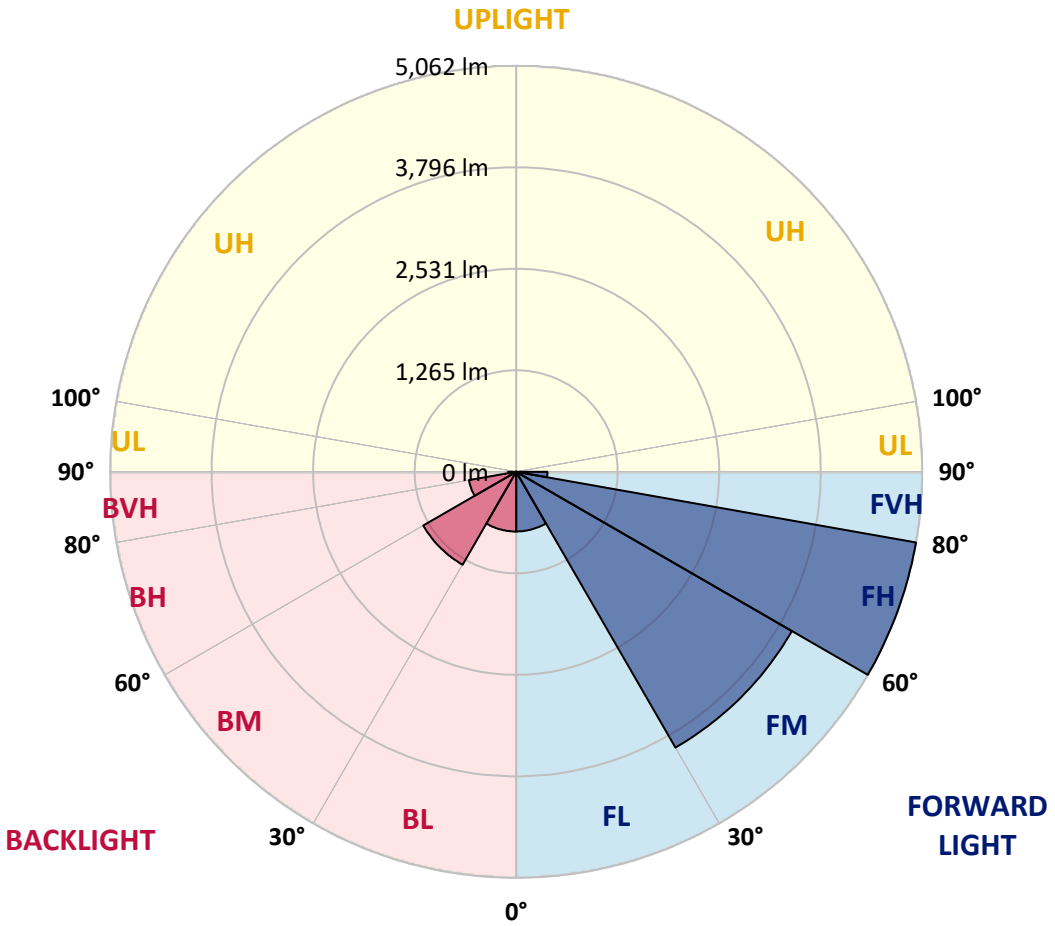
REPORT NUMBER: P387187
CATALOG NUMBER: GPC-SA2D-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	743.5	5.7			
FM	(30°-60°)	3970.0	30.7			
FH	(60°-80°)	5061.9	39.1			G3/7500
FVH	(80°-90°)	390.0	3.0			G3/500
BL	(0°-30°)	744.5	5.8	B2/1000		
BM	(30°-60°)	1337.8	10.3	B2/2500		
BH	(60°-80°)	597.7	4.6	B2/1000		G2/1000
BVH	(80°-90°)	99.7	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	2023.4	2023.4	2023.4	2023.4	*2023.4*	2023.4	2023.4	2023.4	2023.4	2023.4	2023.4
2.5°	1878.9	1871.8	1885.2	1887.0	*1898.6*	1903.1	1919.2	1944.2	1964.8	1988.5	2010.0
5°	1708.6	1703.7	1722.4	1735.9	*1761.3*	1772.1	1810.1	1863.3	1910.7	1964.4	2013.1
7.5°	1546.7	1544.0	1565.0	1595.4	*1625.0*	1639.7	1705.4	1782.8	1862.0	1948.7	2023.4
10°	1410.3	1409.4	1429.6	1459.5	*1502.9*	1519.4	1604.4	1706.3	1817.2	1936.6	2040.8
12.5°	1333.9	1337.0	1346.4	1371.4	*1411.7*	1428.2	1522.6	1642.4	1779.7	1932.6	2066.3
15°	1352.6	1357.6	1341.5	1340.6	*1369.2*	1382.2	1470.7	1596.8	1752.8	1939.3	2103.4
17.5°	1432.7	1433.6	1391.1	1364.3	*1381.7*	1388.4	1454.6	1570.9	1737.2	1954.5	2149.9
20°	1545.4	1543.1	1468.0	1423.3	*1432.7*	1434.5	1477.4	1571.3	1735.9	1980.9	2210.3
22.5°	1694.7	1678.2	1577.1	1516.3	*1514.1*	1511.4	1536.0	1604.4	1755.5	2023.8	2282.3
25°	1889.7	1874.0	1735.0	1651.8	*1633.9*	1627.2	1630.8	1675.0	1794.4	2069.9	2362.8
27.5°	2106.5	2079.3	1945.1	1827.5	*1790.4*	1781.0	1759.6	1774.8	1836.9	2114.1	2458.5
30°	2288.1	2273.3	2156.2	2016.7	*1972.8*	1959.4	1903.1	1886.5	1898.2	2174.5	2579.2
32.5°	2389.6	2379.8	2308.7	2196.0	*2155.3*	2136.5	2056.9	2023.8	1996.5	2269.8	2742.8
35°	2512.6	2506.3	2463.4	2381.5	*2321.2*	2301.5	2239.8	2205.4	2135.2	2400.8	2954.4
37.5°	2669.1	2662.4	2663.3	2597.1	*2525.1*	2506.8	2466.1	2429.8	2314.9	2572.9	3184.2
40°	2846.1	2833.2	2828.3	2825.1	*2779.5*	2769.2	2747.8	2698.6	2540.3	2778.6	3410.9
42.5°	3112.6	3066.6	2968.2	3005.3	*3050.5*	3045.1	3062.6	2991.9	2790.7	3021.9	3632.2
45°	3369.8	3294.2	3124.3	3132.3	*3231.1*	3261.1	3391.7	3341.6	3062.1	3288.4	3861.2
47.5°	3486.9	3429.7	3285.2	3285.7	*3383.6*	3445.8	3732.0	3696.2	3347.4	3591.1	4140.7
50°	3617.9	3560.7	3431.0	3479.8	*3565.2*	3631.3	4060.6	4042.3	3618.8	3922.4	4475.6
52.5°	3761.0	3664.0	3581.7	3668.9	*3788.7*	3865.7	4389.7	4339.6	3867.9	4256.0	4860.6
55°	3762.8	3736.4	3799.0	3863.0	*4042.3*	4136.6	4734.5	4602.1	4070.9	4583.8	5174.0
57.5°	3977.0	3934.1	4066.9	4096.4	*4330.7*	4437.1	5077.4	4830.6	4277.5	4835.1	5343.1
60°	4260.5	4223.8	4332.5	4410.3	*4687.5*	4829.7	5443.7	5065.4	4439.8	5024.7	5335.0
62.5°	4750.1	4708.5	4707.2	4816.3	*5189.7*	5355.1	5854.6	5295.7	4504.2	5062.2	5107.4
65°	5466.9	5400.7	5276.0	5327.9	*5883.2*	6048.2	6313.8	5462.4	4419.2	4861.0	4521.2
67.5°	6164.5	6162.2	6008.9	6115.3	*6799.0*	6931.3	6837.0	5479.0	4154.1	4160.3	3481.1
70°	6859.8	6868.7	6842.8	7213.1	*8036.3*	8174.0	7394.2	5256.8	3558.0	3004.4	2085.5
72.5°	7410.7	7408.5	7539.0	8493.7	*9642.0*	9611.1	7863.7	4583.3	2554.6	1621.8	996.7
75°	*7053.9*	*6976.1*	*7365.1*	*9127.8*	*10577.9*	*10427.2*	*7464.4*	*3197.2*	*1325.8*	*738.3*	*536.6*
77.5°	4600.8	4674.6	5245.6	7540.4	*9252.5*	9069.2	5476.3	1491.7	624.7	484.3	389.0
80°	1666.1	1743.9	2456.2	4271.2	*6374.6*	6344.7	2696.8	613.0	422.6	365.8	283.5
82.5°	573.3	601.9	969.0	1896.8	*3599.2*	3733.3	1014.6	348.3	307.2	259.3	194.1
85°	224.9	257.6	443.1	912.6	*1815.4*	1828.9	410.9	208.4	213.7	169.9	106.4
87.5°	85.4	103.7	212.0	423.9	*829.0*	761.5	147.1	99.3	121.6	101.1	50.5
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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CATALOG NUMBER: GPC-SA2D-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2023.4	2023.4	2023.4	2023.4	2023.4	2023.4	2023.4	2023.4	2023.4	2023.4	2023.4
2.5°	2026.5	2035.9	2055.6	2069.0	2083.3	2087.3	2089.1	2092.7	2096.3	2094.9	2095.4
5°	2039.0	2057.4	2089.1	2102.5	2108.8	2101.6	2087.8	2076.6	2068.5	2064.1	2062.7
7.5°	2059.6	2085.5	2119.5	2117.3	2103.0	2071.2	2035.4	2008.6	1986.3	1978.2	1973.7
10°	2086.9	2117.3	2141.0	2115.5	2073.9	2018.9	1965.2	1923.7	1890.1	1877.2	1874.9
12.5°	2121.8	2152.6	2157.1	2103.0	2034.1	1959.0	1886.1	1831.1	1781.0	1764.9	1761.3
15°	2166.9	2196.0	2168.3	2081.1	1984.9	1883.9	1789.5	1714.8	1662.1	1642.4	1635.2
17.5°	2214.3	2242.0	2170.5	2044.8	1920.5	1794.9	1676.4	1599.9	1539.6	1516.7	1514.1
20°	2271.1	2283.6	2161.1	1993.0	1832.0	1679.5	1554.8	1482.8	1450.6	1434.5	1432.7
22.5°	2341.3	2327.9	2139.6	1922.8	1719.8	1546.3	1444.8	1411.2	1403.2	1399.6	1400.9
25°	2415.5	2374.4	2107.9	1831.1	1578.0	1413.0	1364.3	1373.7	1384.4	1383.1	1383.1
27.5°	2497.4	2421.8	2059.1	1709.5	1421.1	1303.9	1309.7	1344.1	1360.2	1359.8	1359.4
30°	2602.4	2475.4	1997.0	1563.3	1274.4	1227.0	1262.3	1304.4	1326.3	1325.4	1325.8
32.5°	2731.7	2534.5	1912.5	1400.0	1168.4	1170.2	1210.9	1252.5	1278.0	1275.7	1276.2
35°	2882.8	2600.7	1798.0	1239.1	1098.2	1125.0	1157.2	1186.3	1210.4	1207.3	1204.2
37.5°	3047.4	2665.5	1646.0	1095.1	1041.0	1083.0	1109.8	1114.8	1125.9	1117.9	1112.1
40°	3203.9	2715.1	1450.1	977.0	983.3	1047.2	1064.7	1045.0	1024.9	1022.2	1014.1
42.5°	3340.2	2731.7	1252.0	882.7	922.5	1009.7	1020.4	979.3	943.0	926.1	918.9
45°	3484.2	2737.5	1067.4	803.5	863.9	976.1	987.8	932.8	881.8	845.1	833.0
47.5°	3672.5	2779.5	923.8	745.0	819.2	953.8	970.3	895.7	829.5	777.2	766.0
50°	3918.9	2862.7	807.1	700.2	790.1	939.0	957.8	859.4	786.5	723.5	712.3
52.5°	4192.5	2939.1	712.8	664.0	762.0	913.1	941.7	833.5	746.3	673.9	661.8
55°	4383.9	2880.6	636.7	626.5	725.3	876.0	919.4	811.6	688.6	625.6	614.8
57.5°	4420.6	2680.2	579.1	587.6	681.0	829.5	884.9	762.8	657.3	604.6	593.4
60°	4320.4	2401.2	536.1	551.8	633.6	770.9	820.5	728.4	627.4	582.2	572.8
62.5°	4068.7	2115.5	504.4	519.6	589.4	711.4	780.3	692.2	597.0	556.7	547.3
65°	3560.2	1776.1	474.0	491.0	548.2	660.0	744.1	658.7	567.0	536.1	527.2
67.5°	2687.4	1330.3	445.4	460.6	511.5	615.3	704.7	625.6	537.9	518.3	507.5
70°	1582.5	833.0	412.7	428.8	473.1	568.8	662.7	589.4	501.7	492.8	478.9
72.5°	736.5	501.3	375.6	391.3	424.8	506.6	608.6	542.0	458.8	439.1	420.3
75°	*439.6*	*366.7*	*331.8*	*345.7*	*369.3*	*440.4*	*540.6*	*493.7*	*418.1*	*392.2*	*372.5*
77.5°	328.7	280.4	283.5	298.3	317.5	385.4	478.9	455.7	386.8	366.7	353.3
80°	236.5	212.8	231.2	247.3	267.4	350.6	458.8	421.2	349.7	322.8	310.3
82.5°	157.8	152.9	173.9	190.5	210.2	306.7	431.1	368.9	298.7	264.7	237.0
85°	87.2	92.1	117.2	124.3	141.3	216.0	353.3	296.5	224.9	181.1	173.0
87.5°	36.2	42.5	63.0	60.8	75.1	128.8	232.5	178.9	143.1	106.9	83.2
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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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

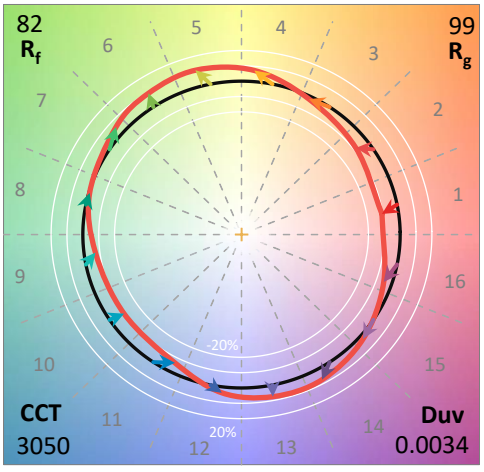
Test Information

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

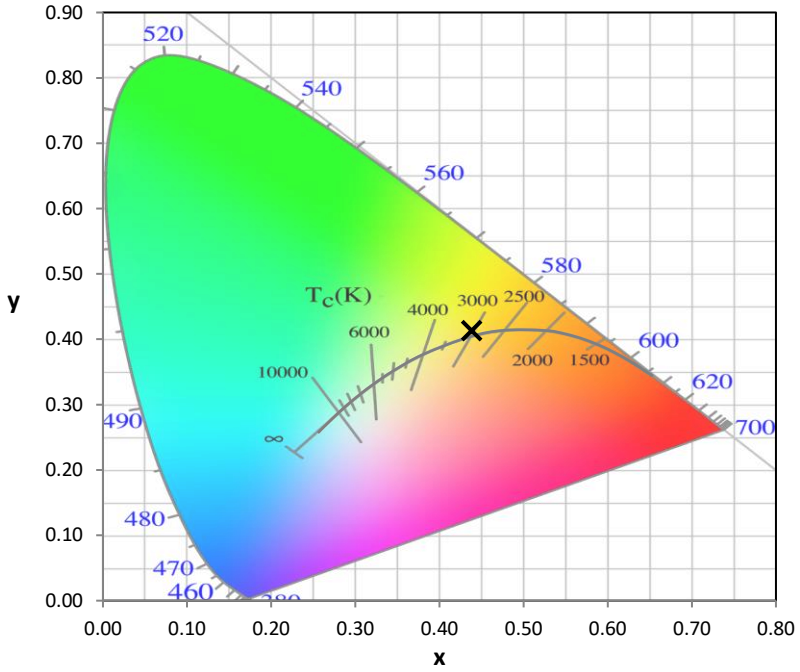
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

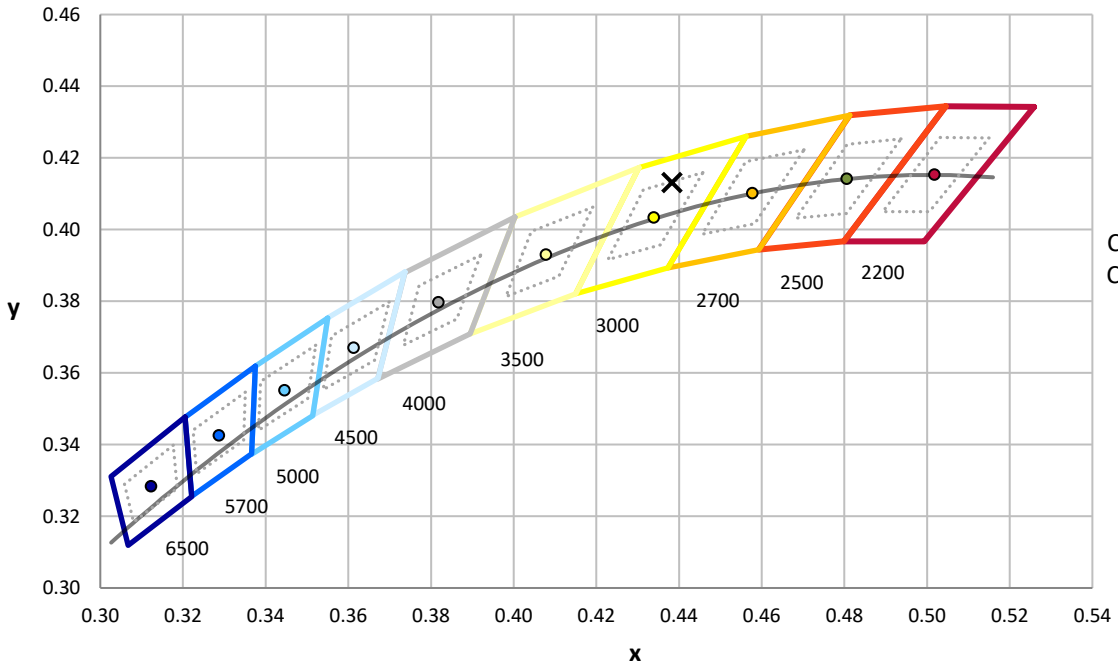
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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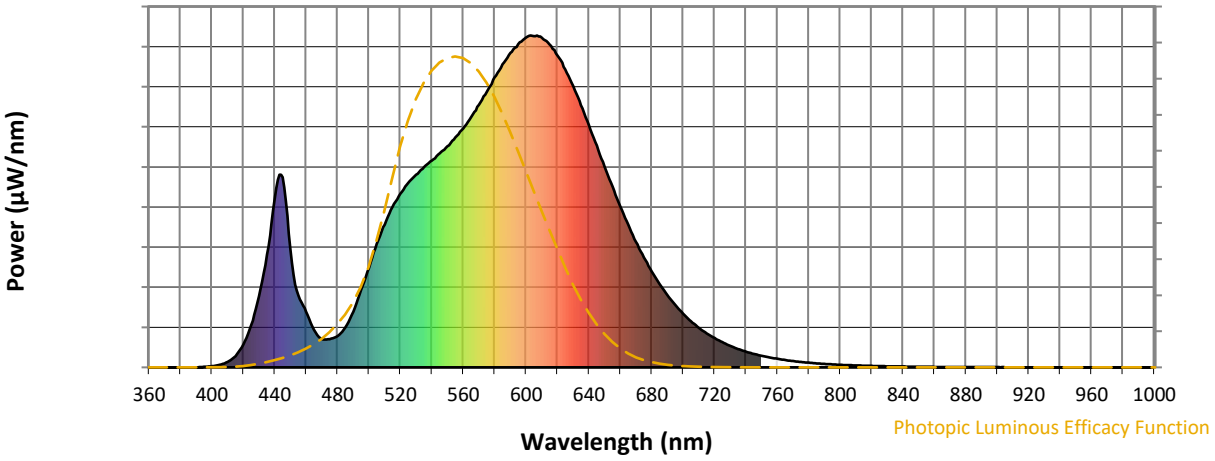
Photopic Flux vs. Wavelength



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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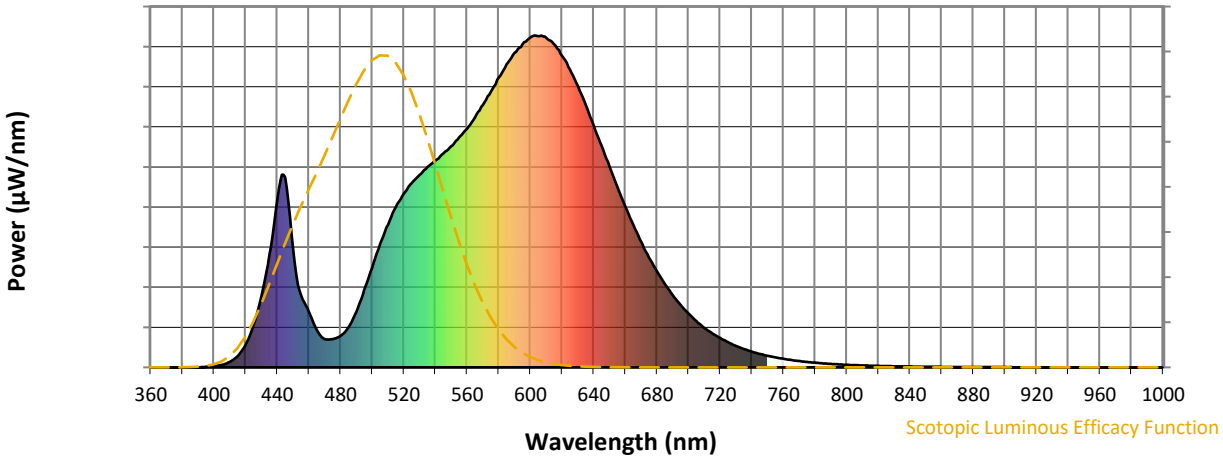
Scotopic Flux vs. Wavelength



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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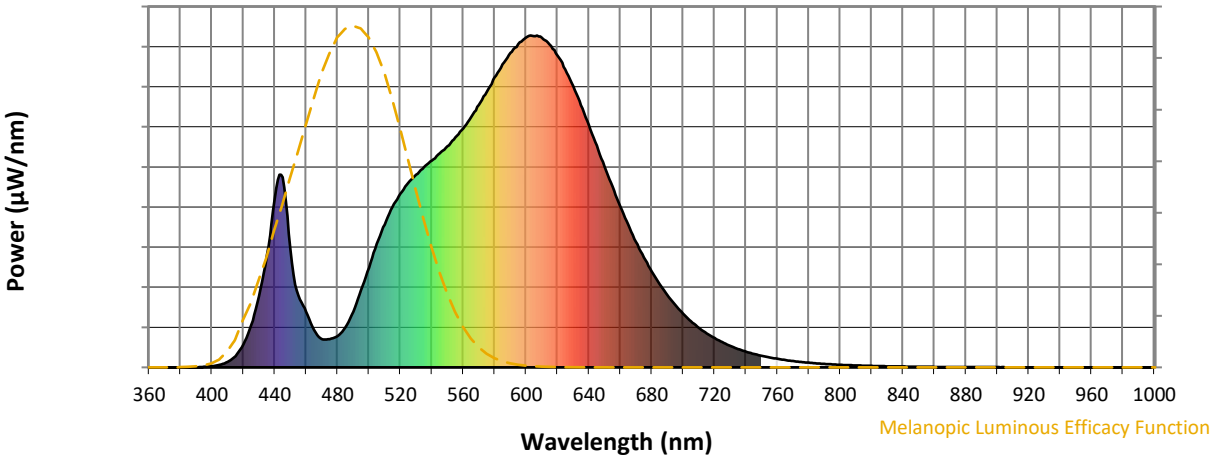
Melanopic Flux vs. Wavelength



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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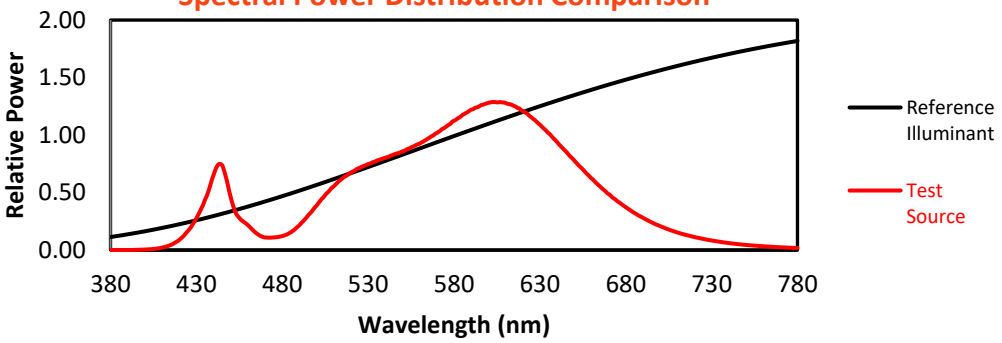
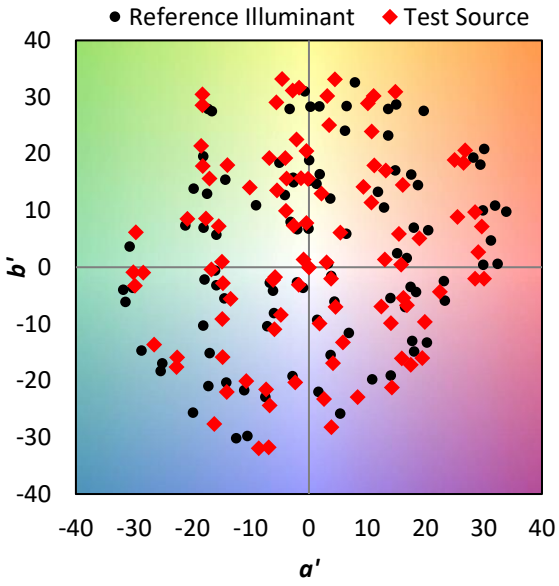
Summary

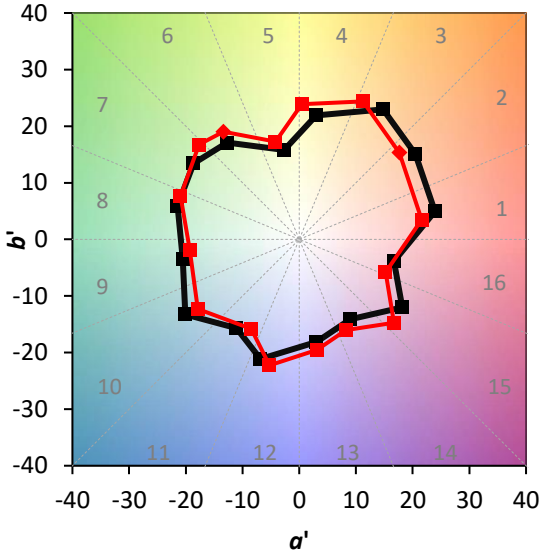
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

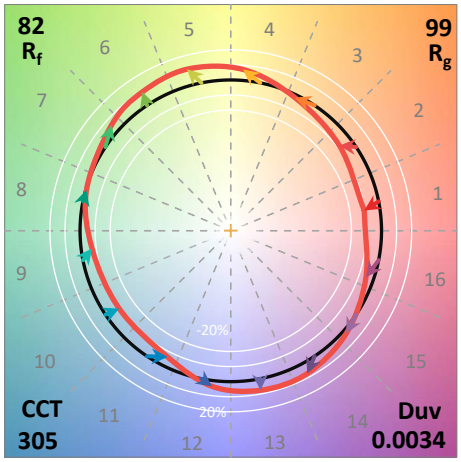
Spectral Power Distribution Comparison

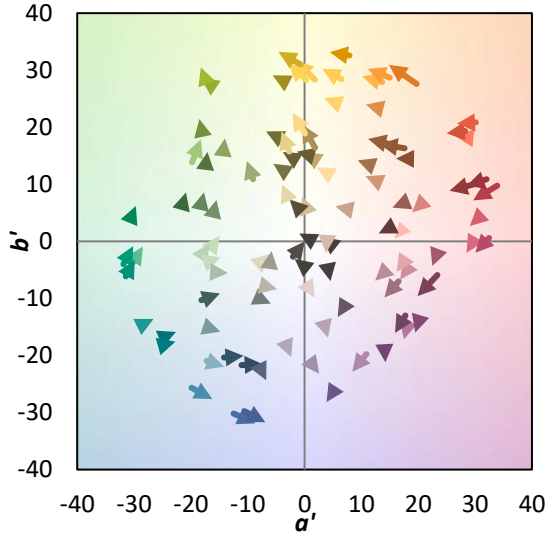


Color Vector Graphics









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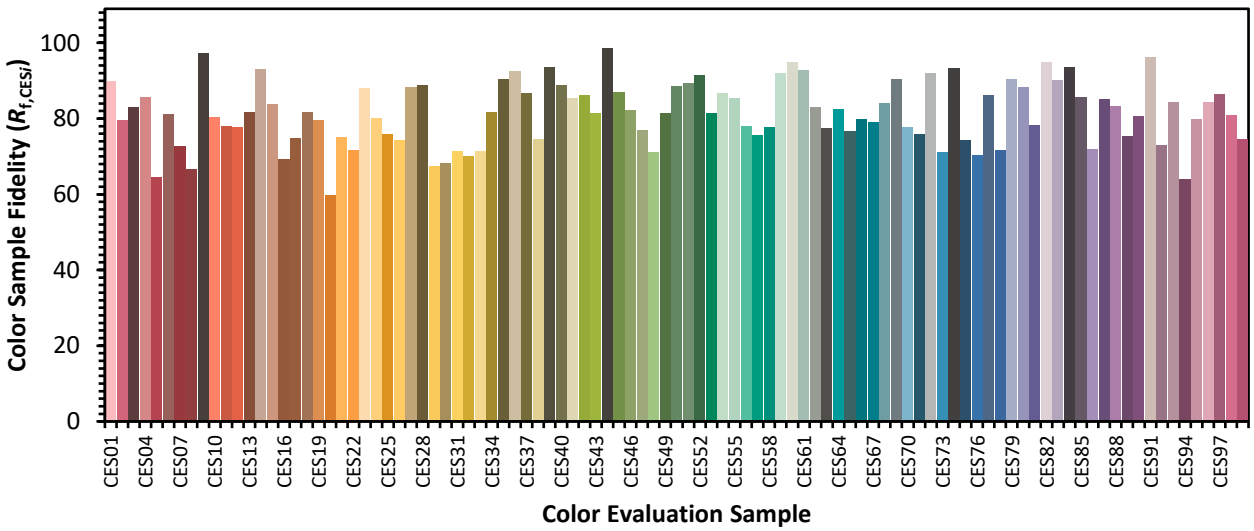
Individual Sample Fidelity Index ($R_{f,i}$)

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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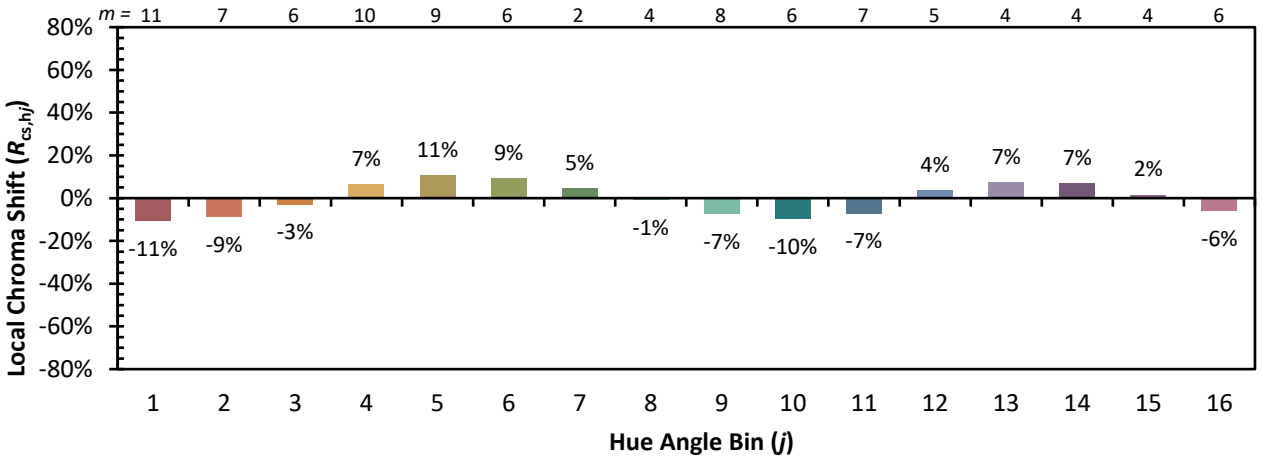
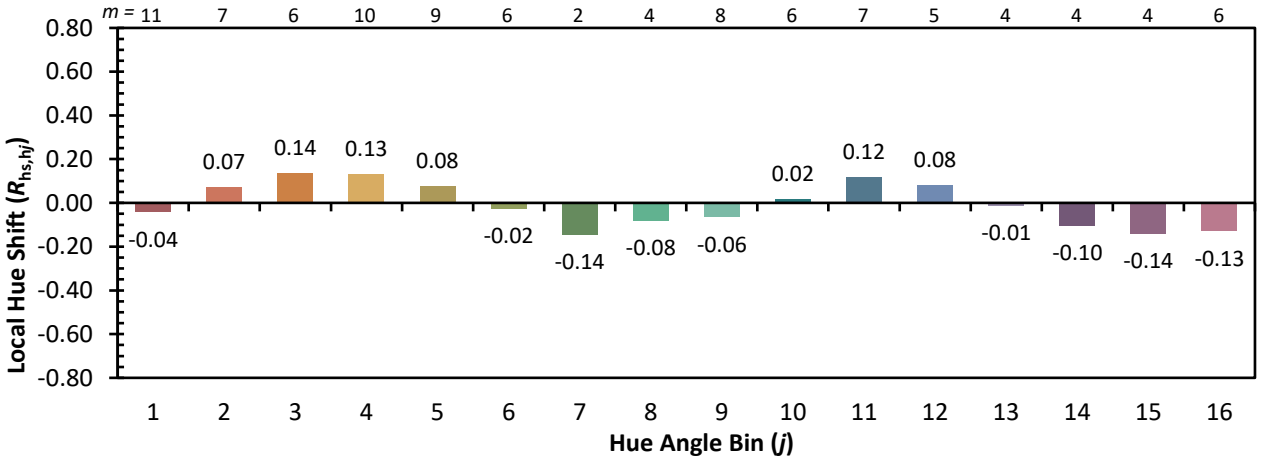
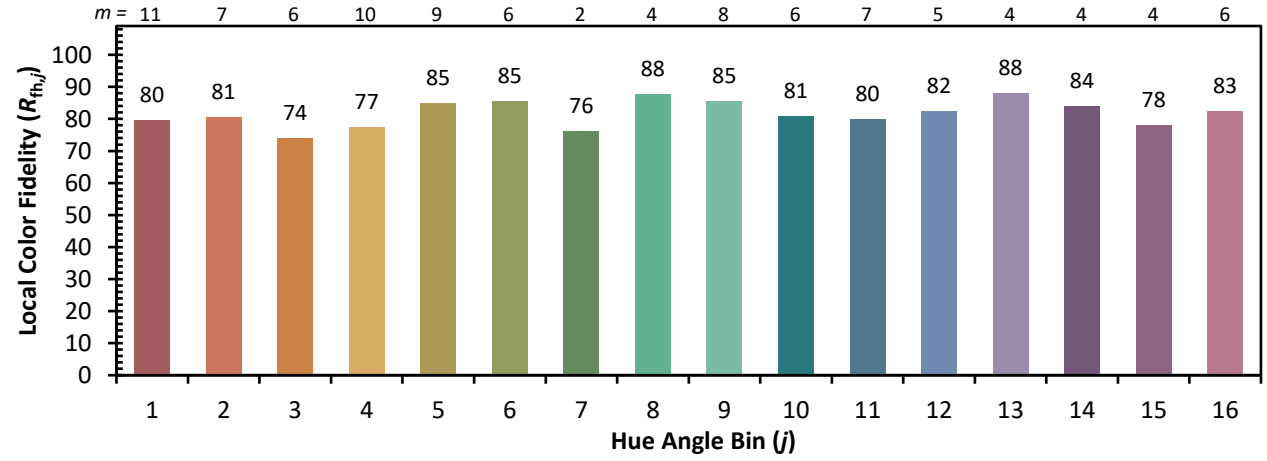
Color Rendition by Hue-Angle Bin







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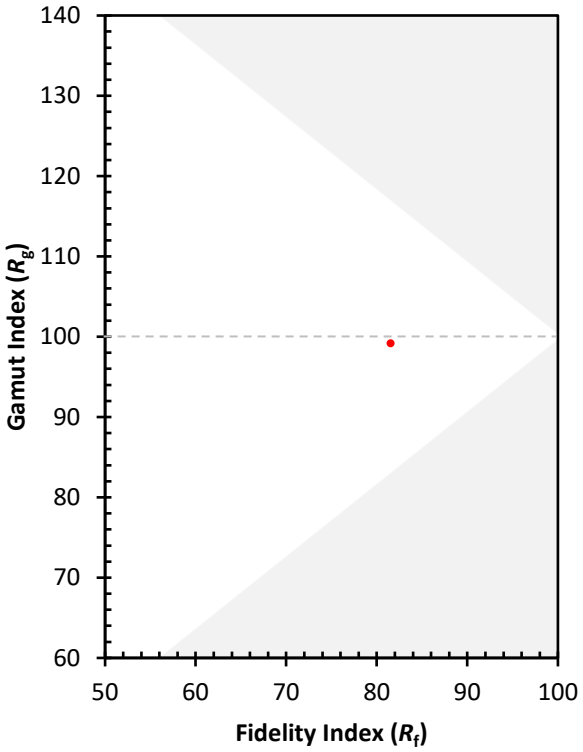
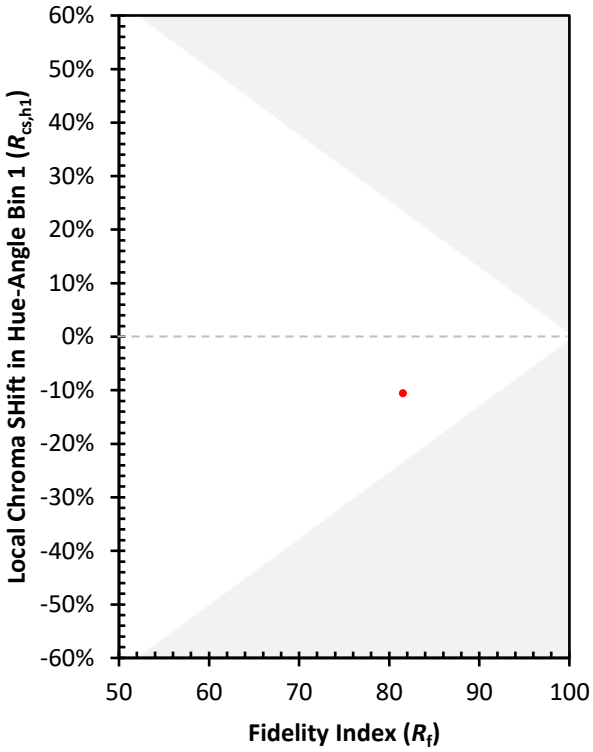
Measure Comparisons





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