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: P386949

Luminaire Tested: **GPC-SA2C-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:	P386949
	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-SA2C-830-U-SL4
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA 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:	11145 lumens
Efficiency:	N/A
Efficacy:	100.4 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):	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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REPORT NUMBER: P386949
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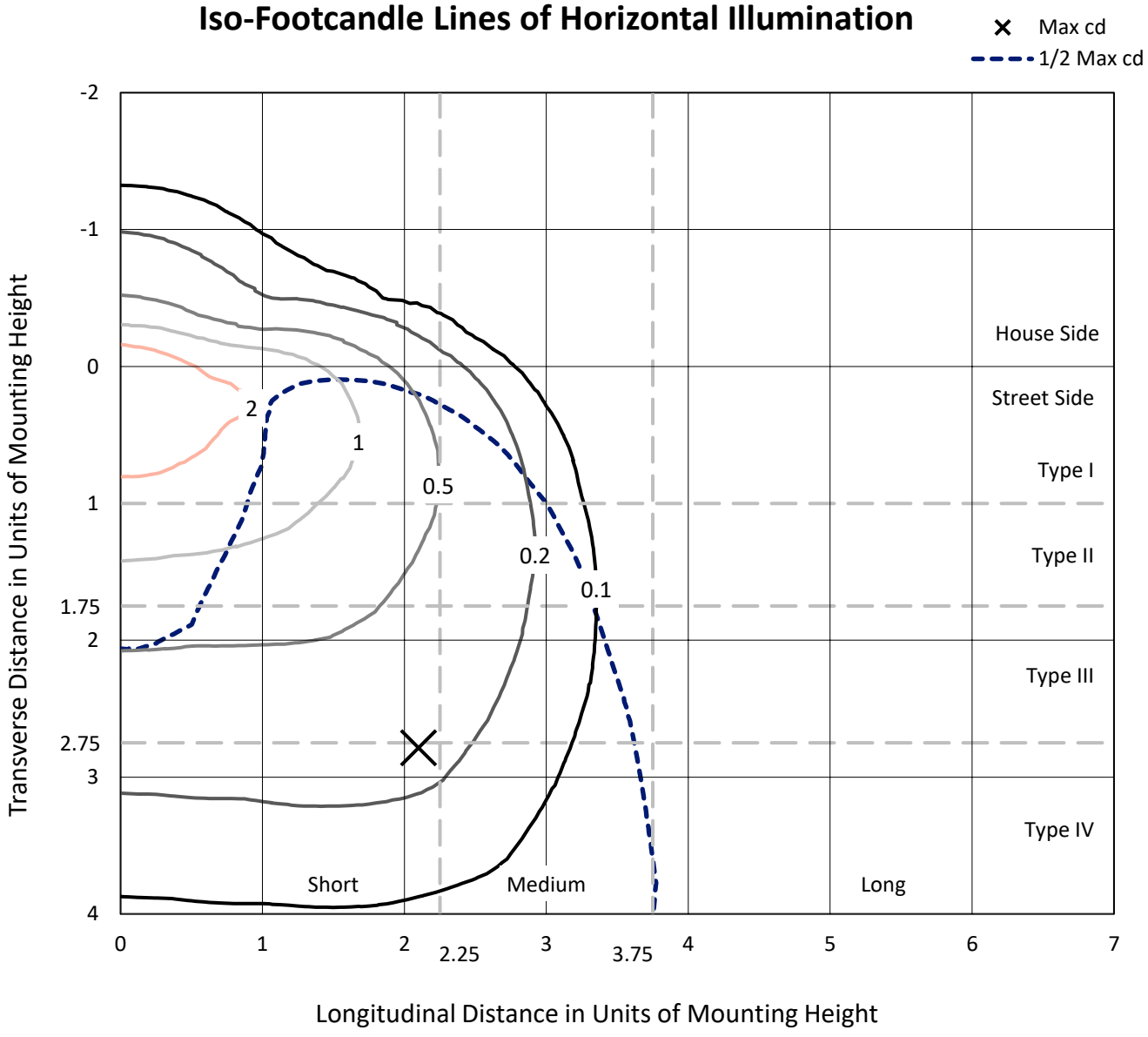
Iso-Footcandle Lines of Horizontal Illumination



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

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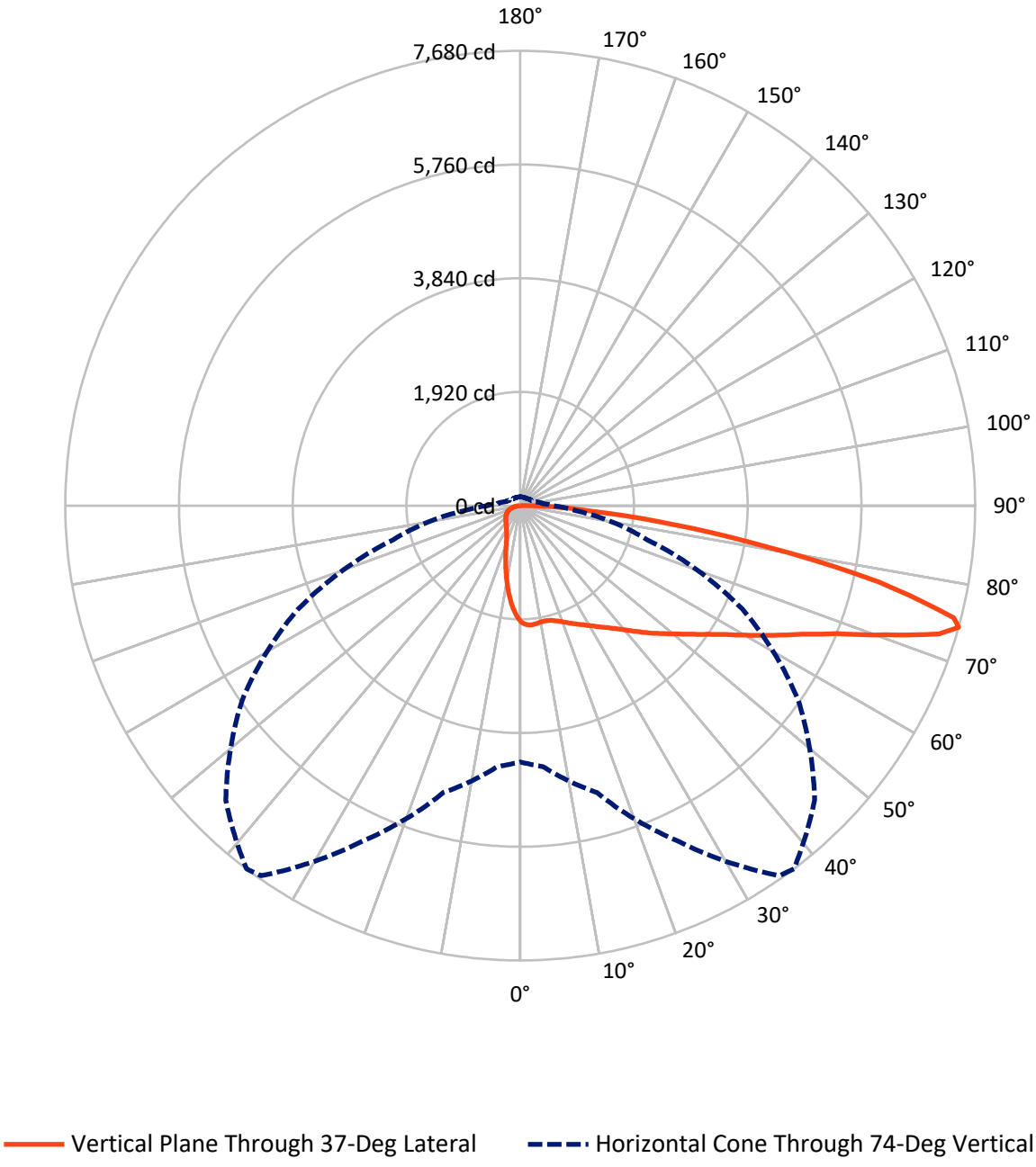
Luminous Intensity Polar Plot



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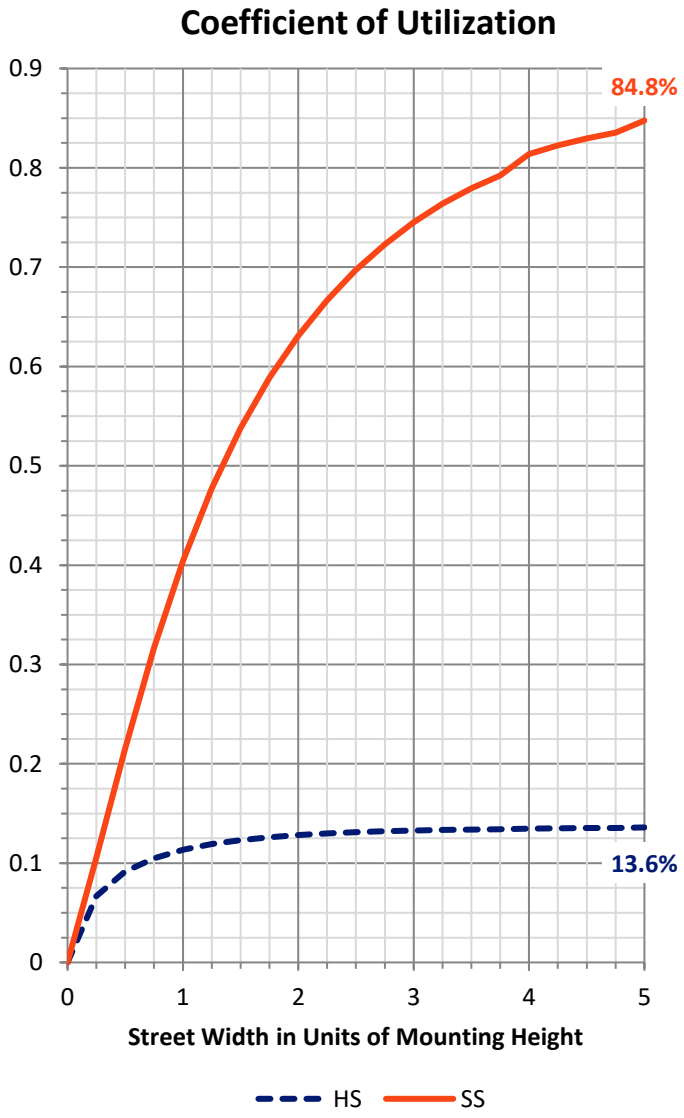
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1533.5	0.0	1533.5
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	9611.5	0.0	9611.5
	% Fixture	86.2	0.0	86.2
Total	Lumens	11145.0	0.0	11145.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	1.6
10°-20°	443.3	4.0
20°-30°	683.0	6.1
30°-40°	993.1	8.9
40°-50°	1461.7	13.1
50°-60°	2052.7	18.4
60°-70°	2598.1	23.3
70°-80°	2287.8	20.5
80°-90°	452.3	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°	11145.0	100.0
0°-180°	11145.0	100.0



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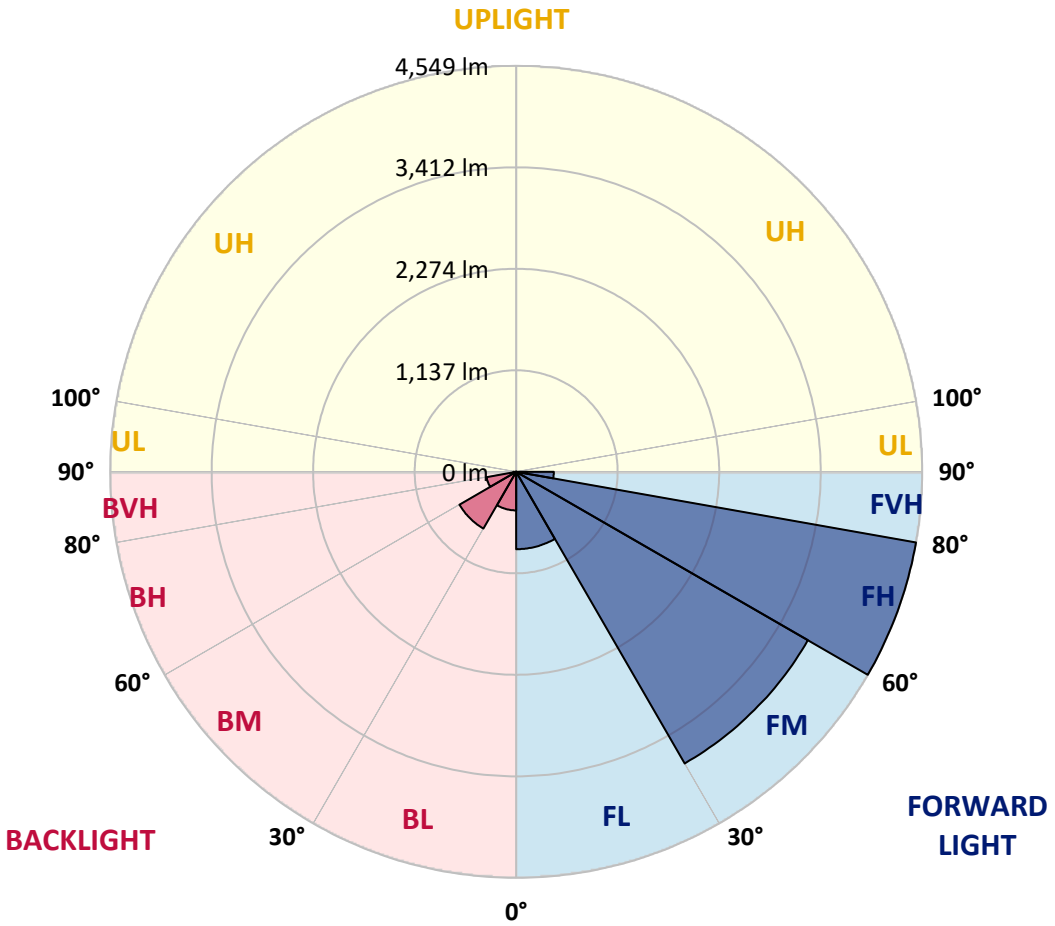
REPORT NUMBER: P386949
CATALOG NUMBER: GPC-SA2C-830-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	867.2	7.8			
FM	(30°-60°)	3773.8	33.9			
FH	(60°-80°)	4548.8	40.8			G2/5000
FVH	(80°-90°)	421.7	3.8			G3/500
BL	(0°-30°)	431.9	3.9	B1/500		
BM	(30°-60°)	733.8	6.6	B1/1000		
BH	(60°-80°)	337.1	3.0	B1/500		G1/500
BVH	(80°-90°)	30.6	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: P386949
CATALOG NUMBER: GPC-SA2C-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7
2.5°	2030.8	2031.2	2030.8	2027.7	2020.2	2014.0	2008.9	2001.4	1984.9	1972.3	1953.5
5°	2050.1	2047.7	2046.1	2040.3	2028.5	2021.4	2011.6	1997.5	1970.4	1945.3	1914.6
7.5°	2041.0	2038.3	2034.8	2027.7	2014.3	2008.5	1994.7	1976.3	1943.7	1910.7	1866.7
10°	2013.2	2012.4	2010.8	2009.2	1997.9	1993.1	1980.6	1961.0	1928.8	1888.7	1837.3
12.5°	1982.2	1984.1	1990.4	1998.6	1993.5	1991.2	1983.3	1970.0	1937.0	1893.8	1831.8
15°	1962.5	1968.0	1984.9	2006.5	2010.8	2010.0	2008.1	1999.4	1964.5	1916.6	1844.4
17.5°	1955.9	1964.9	1997.1	2032.8	2045.4	2048.1	2048.9	2034.0	1995.1	1944.5	1857.3
20°	1968.0	1979.4	2026.5	2075.6	2095.6	2097.2	2093.7	2067.7	2024.2	1968.4	1864.4
22.5°	2004.9	2015.1	2074.0	2129.4	2152.1	2154.5	2143.9	2104.6	2054.8	1996.7	1874.2
25°	2076.0	2088.5	2147.4	2202.8	2214.6	2215.0	2199.6	2151.0	2094.8	2036.3	1895.4
27.5°	2168.6	2181.2	2234.2	2288.4	2282.1	2278.6	2257.8	2209.1	2147.0	2090.9	1933.1
30°	2271.9	2285.6	2335.9	2374.3	2359.4	2352.4	2335.5	2272.7	2219.7	2165.5	1990.8
32.5°	2378.7	2391.2	2435.2	2461.5	2442.7	2439.5	2414.0	2356.7	2314.3	2279.3	2084.2
35°	2488.2	2497.2	2540.4	2555.3	2530.2	2529.4	2522.4	2469.7	2443.1	2459.5	2220.1
37.5°	2600.1	2602.4	2639.3	2640.1	2632.7	2635.8	2643.3	2610.3	2617.8	2669.2	2396.7
40°	2699.8	2706.1	2732.8	2741.0	2754.0	2765.0	2802.3	2780.7	2838.4	2929.5	2616.6
42.5°	2773.6	2785.8	2828.6	2849.8	2891.8	2909.0	2961.7	2981.7	3097.9	3234.5	2878.0
45°	2836.0	2854.9	2923.6	2967.2	3038.2	3068.4	3143.8	3210.9	3391.1	3565.4	3153.2
47.5°	2903.6	2927.5	3013.5	3096.7	3193.3	3227.4	3364.4	3464.9	3704.0	3898.4	3412.7
50°	3002.9	3021.3	3105.3	3236.1	3356.6	3400.6	3590.2	3734.3	4022.0	4215.6	3637.7
52.5°	3141.5	3134.4	3205.4	3388.8	3550.5	3604.7	3831.2	4020.8	4344.3	4502.5	3827.7
55°	3280.8	3269.0	3318.9	3548.6	3776.7	3833.6	4096.6	4308.6	4650.9	4760.9	3973.3
57.5°	3435.9	3413.5	3455.5	3728.8	4034.2	4102.1	4393.8	4614.4	4952.4	4969.7	4066.0
60°	3595.7	3565.4	3612.6	3952.1	4361.2	4441.3	4741.6	4912.8	5236.7	5137.0	4095.8
62.5°	3735.4	3714.2	3786.9	4201.4	4729.9	4817.8	5083.2	5230.0	5517.0	5206.5	3988.3
65°	3857.5	3861.1	3986.7	4481.7	5140.9	5234.7	5475.0	5621.0	5737.6	5165.2	3736.6
67.5°	4003.2	4023.2	4237.6	4850.8	5658.3	5761.2	6045.0	6047.4	5860.9	4923.4	3241.2
70°	4215.6	4256.8	4582.6	5362.7	6394.0	6535.3	6754.4	6297.8	5687.8	4267.8	2550.2
72.5°	4404.0	4481.0	4949.7	5948.4	7290.7	7397.9	7169.4	6153.4	4964.2	3198.4	1588.8
74°	4327.5	4422.9	5016.4	6237.0	7628.3	7679.7	7029.2	5731.7	4139.0	2215.0	923.4
75°	4162.6	4266.2	4919.1	6234.2	7585.5	7556.9	6690.8	5250.0	3408.8	1510.7	614.4
77.5°	3359.3	3468.9	4144.9	5343.1	6219.7	6192.6	5139.7	3521.9	1493.0	495.4	312.1
80°	1953.1	2036.7	2573.0	3393.1	4194.0	4243.0	3380.1	1742.7	587.3	278.3	211.6
82.5°	867.6	925.3	1242.9	1732.1	2531.0	2594.2	1770.2	913.2	362.7	169.2	127.2
85°	569.2	612.0	754.5	824.8	1205.2	1248.4	866.4	711.0	239.5	93.0	93.4
87.5°	409.5	450.7	560.6	489.6	553.2	523.7	471.5	658.0	96.2	53.0	31.4
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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REPORT NUMBER: P386949
CATALOG NUMBER: GPC-SA2C-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7	1963.7
2.5°	1945.3	1939.0	1924.8	1898.1	1883.2	1870.7	1849.9	1837.7	1832.2	1831.8	1834.2
5°	1897.0	1882.4	1845.9	1801.2	1765.5	1732.9	1692.4	1668.1	1650.8	1640.6	1643.4
7.5°	1840.8	1818.1	1760.7	1689.3	1632.0	1568.8	1506.3	1469.0	1440.0	1418.4	1422.3
10°	1802.4	1770.9	1687.3	1584.5	1489.1	1397.2	1311.2	1259.8	1219.0	1187.6	1189.9
12.5°	1789.4	1747.0	1631.2	1493.8	1359.9	1234.3	1122.0	1043.1	1001.1	965.4	968.1
15°	1791.4	1734.4	1584.1	1412.1	1243.7	1085.5	949.3	857.0	800.1	775.4	775.7
17.5°	1792.9	1719.9	1534.6	1324.6	1128.7	946.5	798.5	705.1	651.3	628.5	628.9
20°	1787.8	1696.4	1473.4	1224.1	1008.5	818.9	675.6	596.3	555.5	537.8	537.8
22.5°	1781.2	1668.5	1404.3	1123.2	890.0	708.2	587.7	527.2	503.7	491.9	491.5
25°	1784.3	1647.7	1333.6	1019.5	780.8	619.9	529.2	489.2	473.5	466.0	465.6
27.5°	1801.2	1637.9	1268.4	916.3	685.5	553.5	489.9	461.7	451.5	446.8	446.8
30°	1831.8	1637.9	1200.5	828.4	606.1	504.5	459.7	440.5	433.4	430.3	430.3
32.5°	1885.2	1646.9	1135.0	741.2	542.9	466.0	434.6	421.6	416.1	414.6	414.6
35°	1977.1	1677.5	1071.0	658.8	491.9	434.6	410.6	403.2	399.3	398.9	400.0
37.5°	2106.2	1739.9	1010.9	597.9	455.8	409.1	390.6	384.7	382.4	384.3	385.9
40°	2268.7	1824.7	956.3	542.9	428.3	388.7	372.2	368.2	367.1	369.8	372.2
42.5°	2465.0	1939.4	911.6	503.3	407.1	371.4	356.5	351.8	350.6	353.7	356.9
45°	2677.4	2062.6	880.2	473.8	390.6	358.4	342.7	337.6	335.3	336.8	340.4
47.5°	2870.6	2179.2	867.6	453.0	374.9	347.4	330.6	324.3	320.3	319.6	322.3
50°	3033.5	2266.0	873.5	440.5	362.4	335.3	318.8	311.7	305.8	302.3	304.3
52.5°	3152.1	2320.6	879.0	435.0	352.5	321.9	305.8	299.1	291.3	285.4	285.4
55°	3238.0	2333.1	866.8	430.7	345.1	307.4	291.3	285.0	277.2	270.5	269.7
57.5°	3271.8	2297.8	821.7	424.4	340.0	293.7	276.0	271.3	264.6	256.8	256.4
60°	3226.3	2188.7	734.5	411.0	333.3	282.3	260.7	257.5	254.4	246.9	246.5
62.5°	3043.3	1949.2	621.9	383.9	320.0	270.1	246.5	248.1	248.5	243.4	242.6
65°	2711.6	1620.2	511.9	348.6	299.9	255.6	232.0	239.5	243.8	243.0	241.8
67.5°	2229.5	1261.0	433.8	311.3	273.6	235.6	216.3	225.0	228.5	231.2	230.4
70°	1654.7	889.2	358.8	272.1	241.8	212.0	195.9	200.2	197.9	201.0	202.2
72.5°	922.6	533.5	292.5	232.8	208.9	184.5	173.1	172.3	167.2	167.2	167.2
74°	*553.5*	*391.4*	*257.1*	*208.5*	*188.8*	*166.5*	*156.6*	*153.1*	*148.4*	*148.8*	*148.4*
75°	445.2	336.4	235.9	192.4	174.7	155.9	146.0	141.3	137.8	137.8	137.4
77.5°	281.1	255.6	190.0	153.1	139.8	128.4	121.7	115.4	115.4	115.0	114.6
80°	212.4	203.4	148.0	115.8	107.2	98.5	94.2	91.5	91.5	92.6	92.3
82.5°	145.6	153.1	104.0	80.9	76.6	70.3	69.5	69.9	68.7	67.1	66.7
85°	106.4	115.0	70.3	51.0	46.7	42.8	45.9	47.5	45.5	42.0	40.4
87.5°	40.8	75.4	37.7	21.2	19.6	16.9	19.6	20.4	22.0	17.3	17.7
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

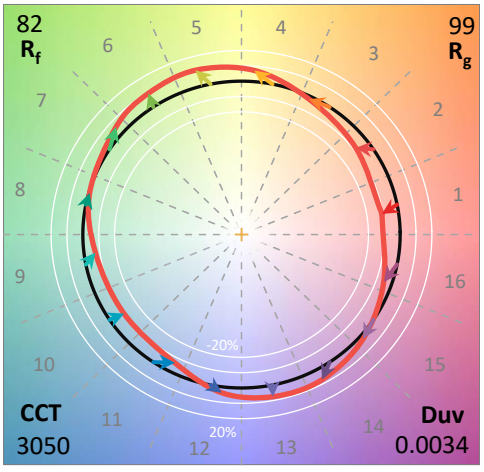
Test Information

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

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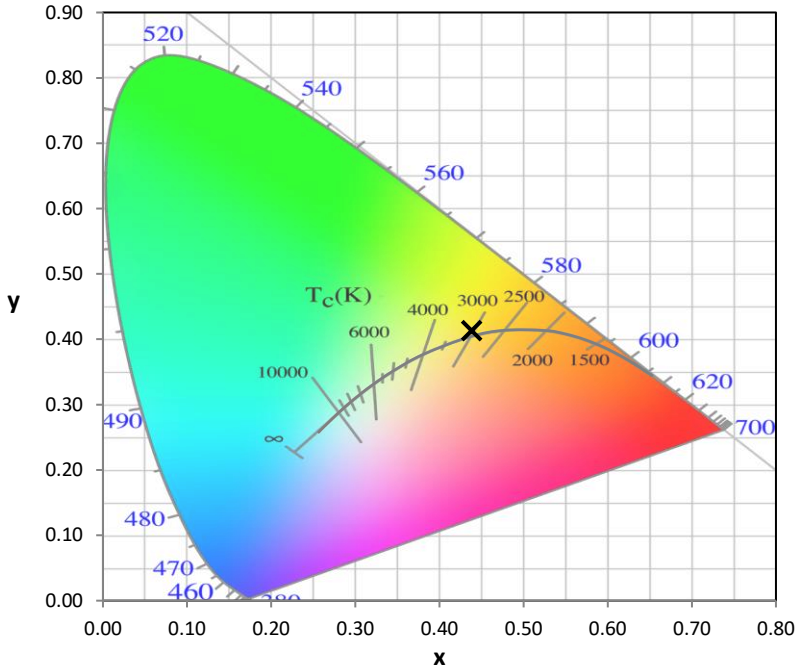
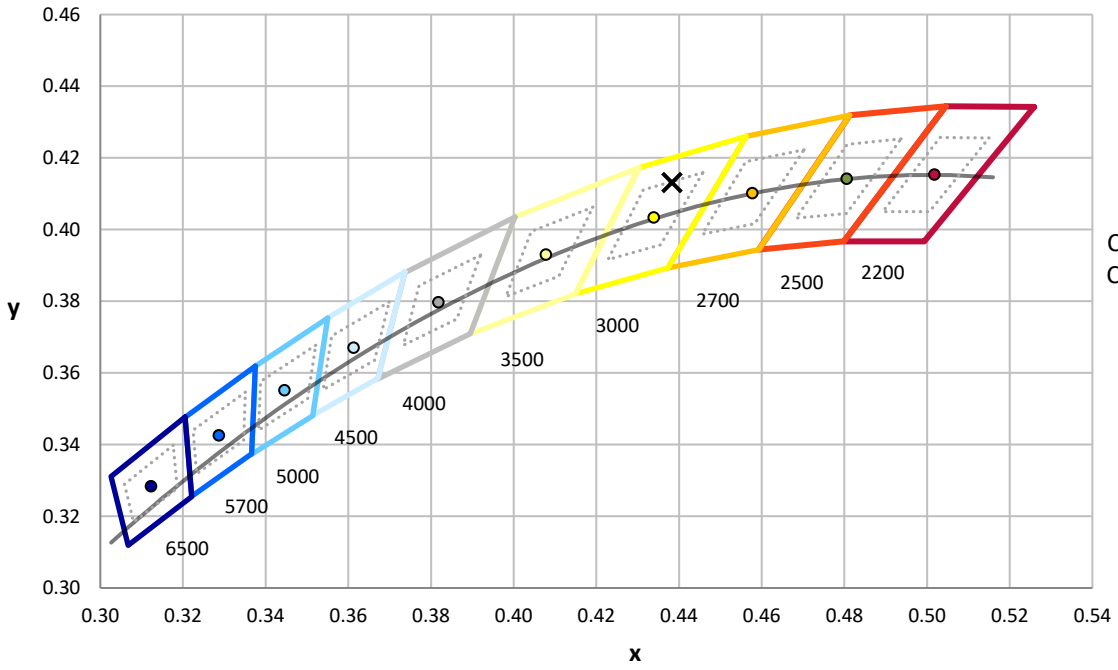
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

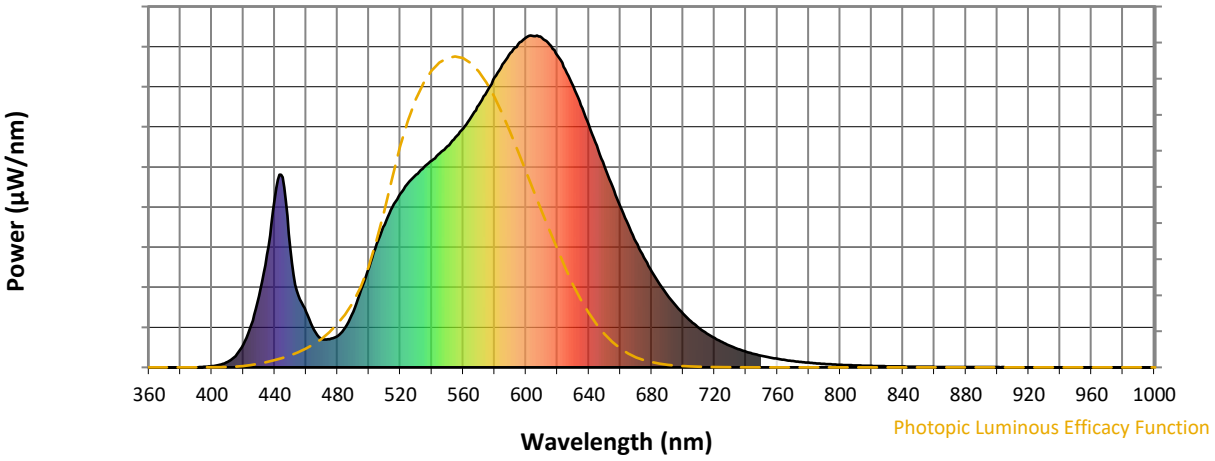


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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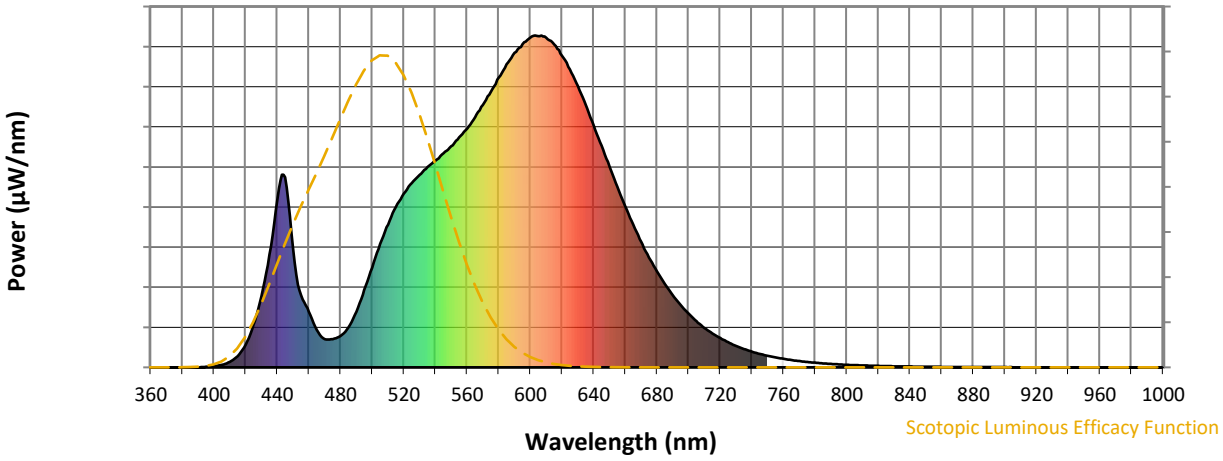
Scotopic Flux vs. Wavelength



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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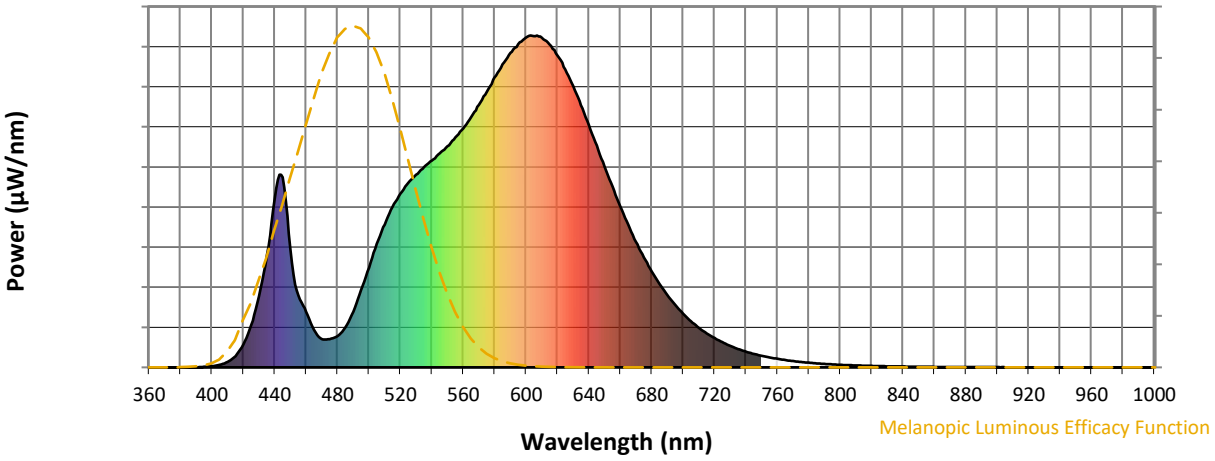
Melanopic Flux vs. Wavelength



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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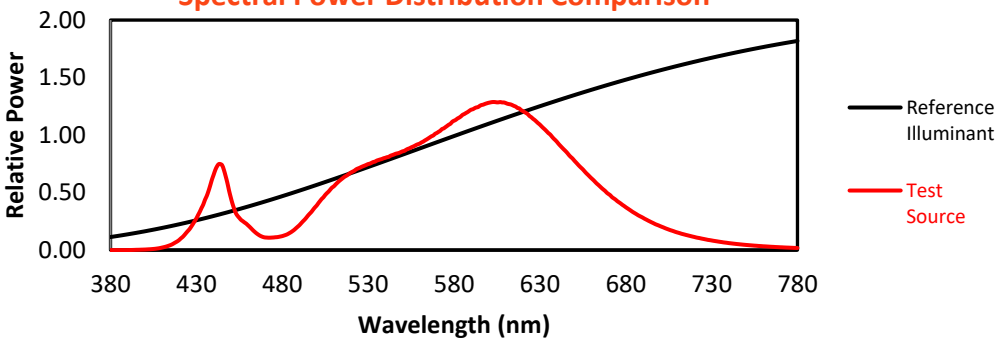
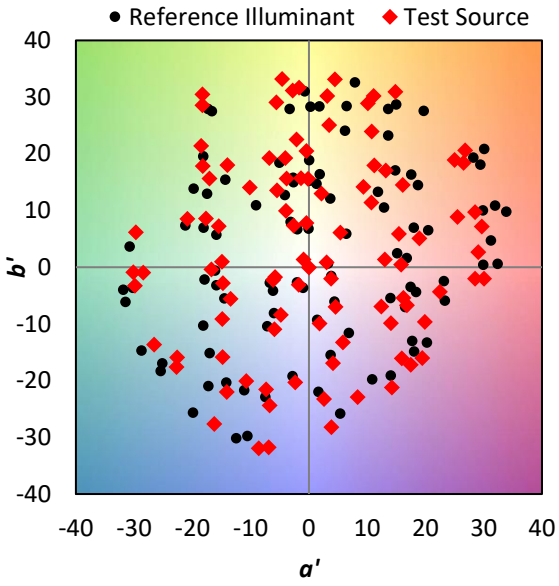
Summary

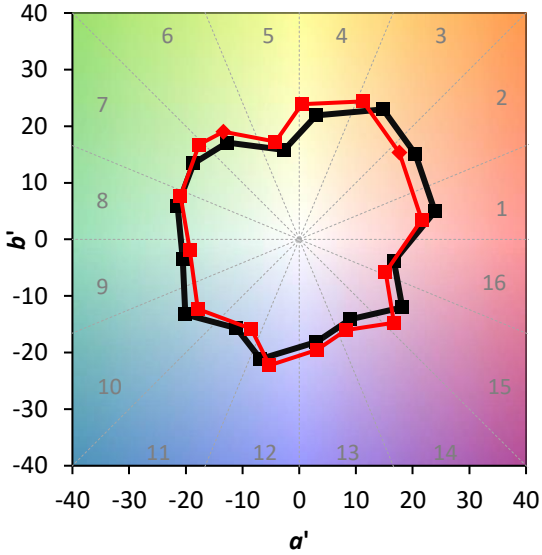
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

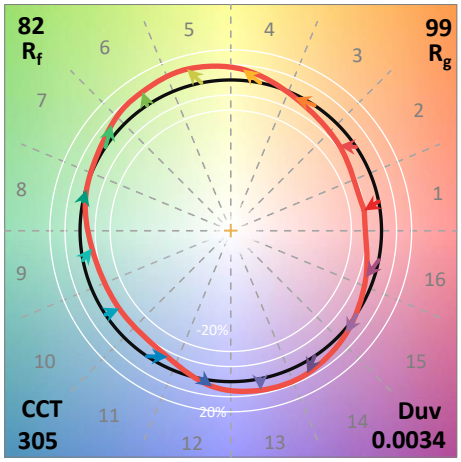
Spectral Power Distribution Comparison

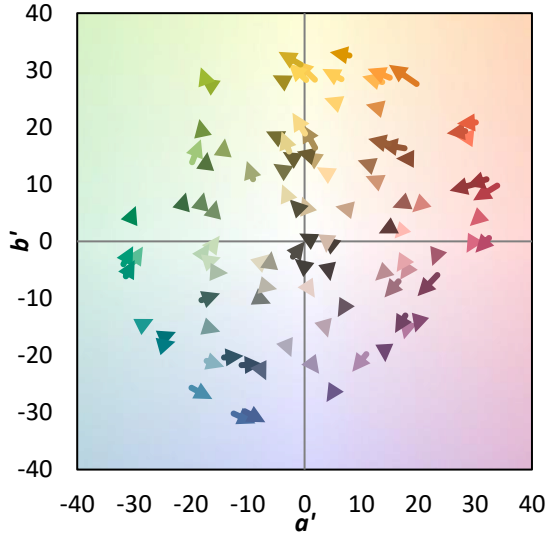


Color Vector Graphics









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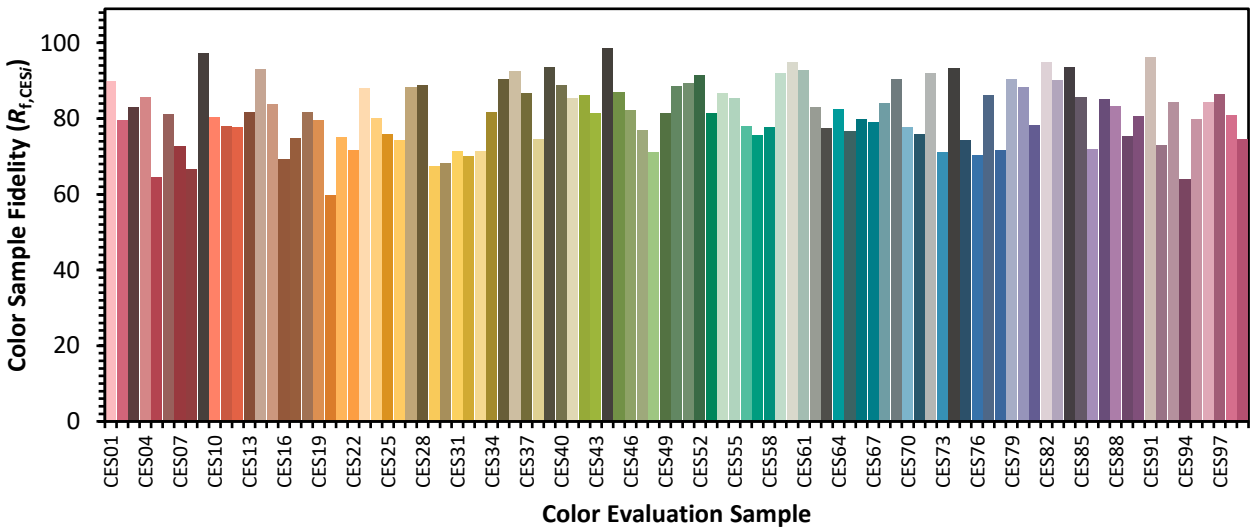
Individual Sample Fidelity Index ($R_{f,i}$)

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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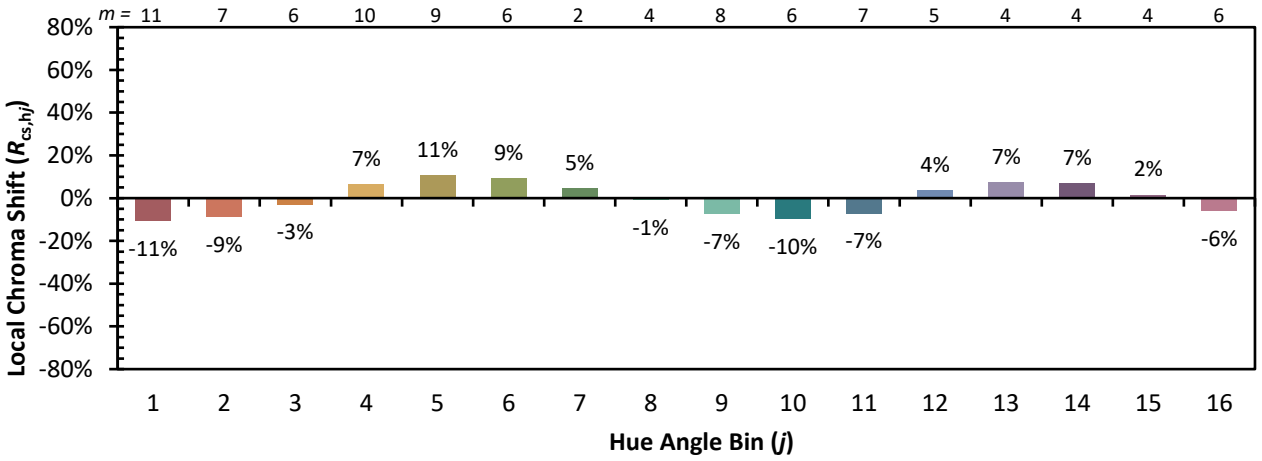
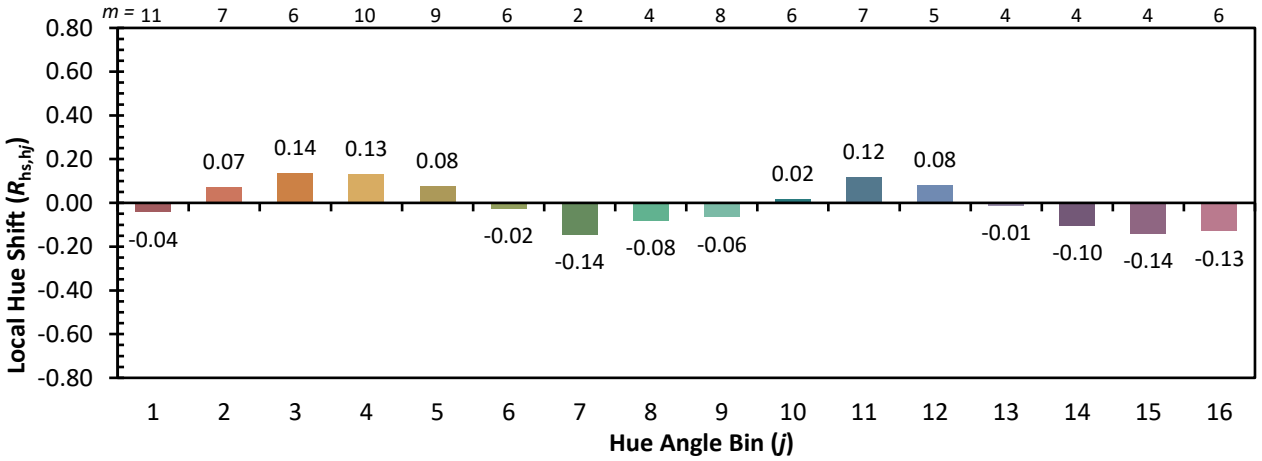
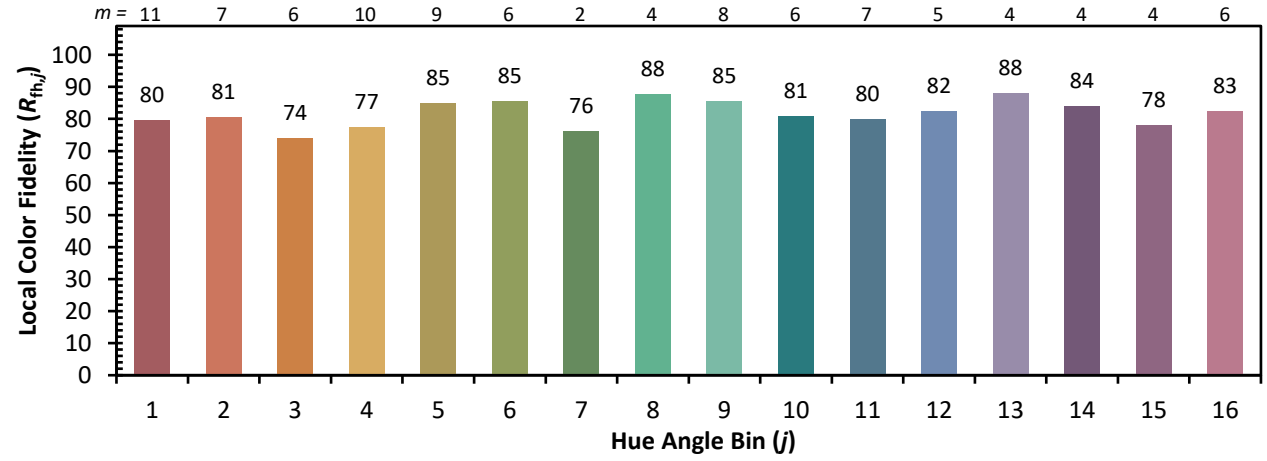
Color Rendition by Hue-Angle Bin







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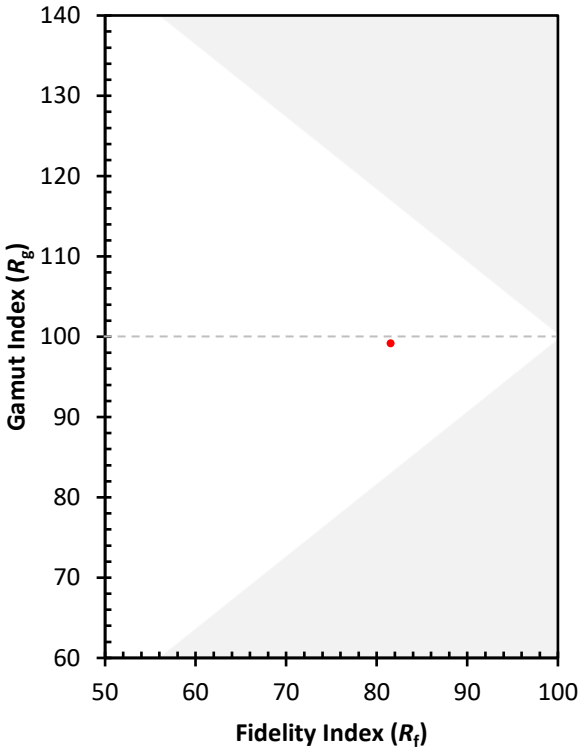
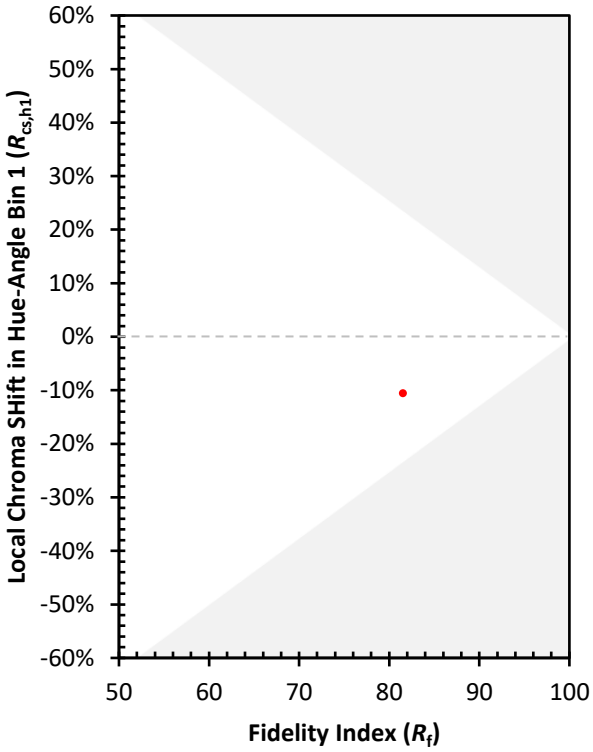
Measure Comparisons





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