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: P386959

Luminaire Tested: **GPC-SA2C-830-U-T3**

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:	P386959
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
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-T3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11732 lumens
Efficiency:	N/A
Efficacy:	105.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - 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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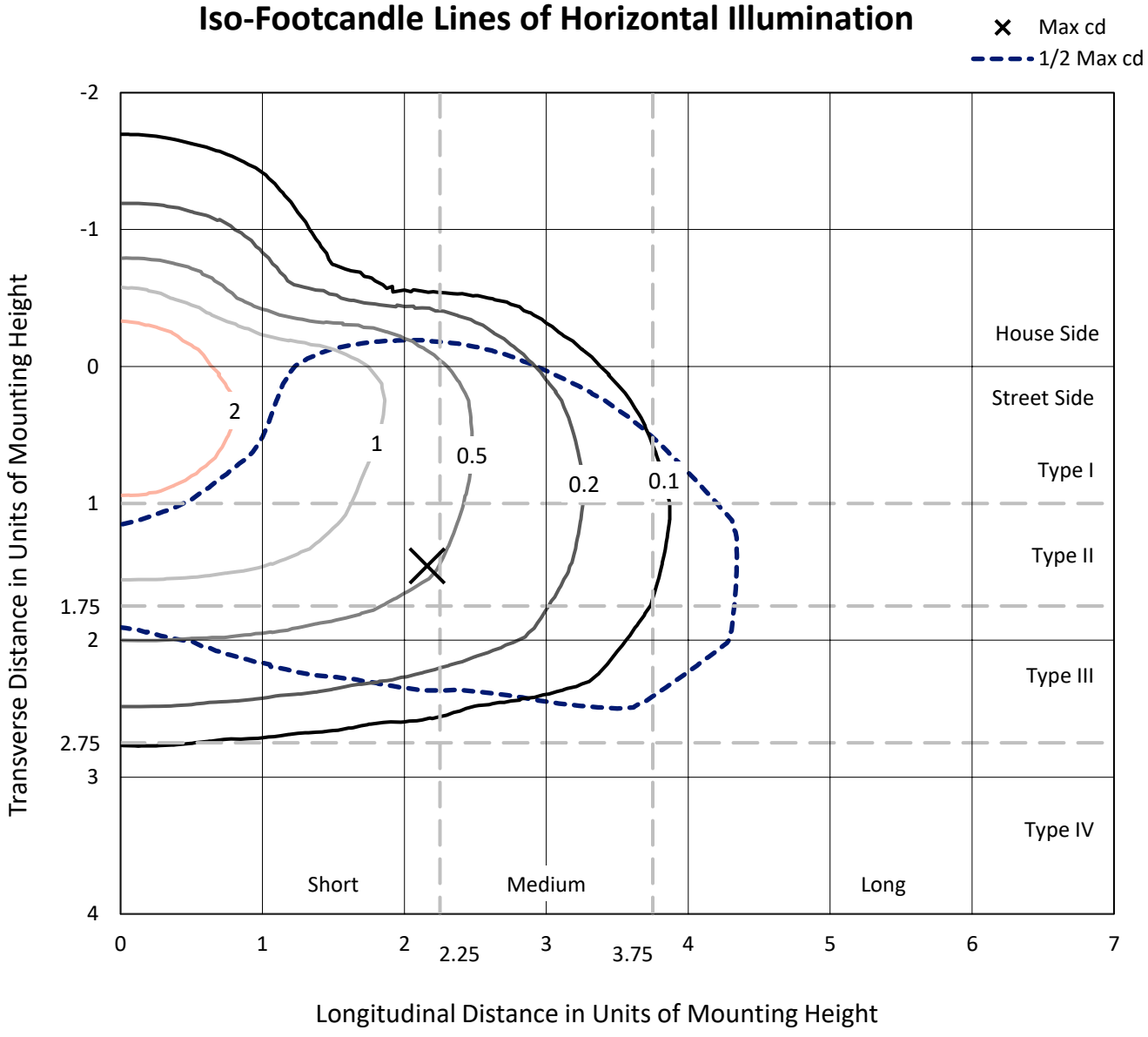
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Short - N/A

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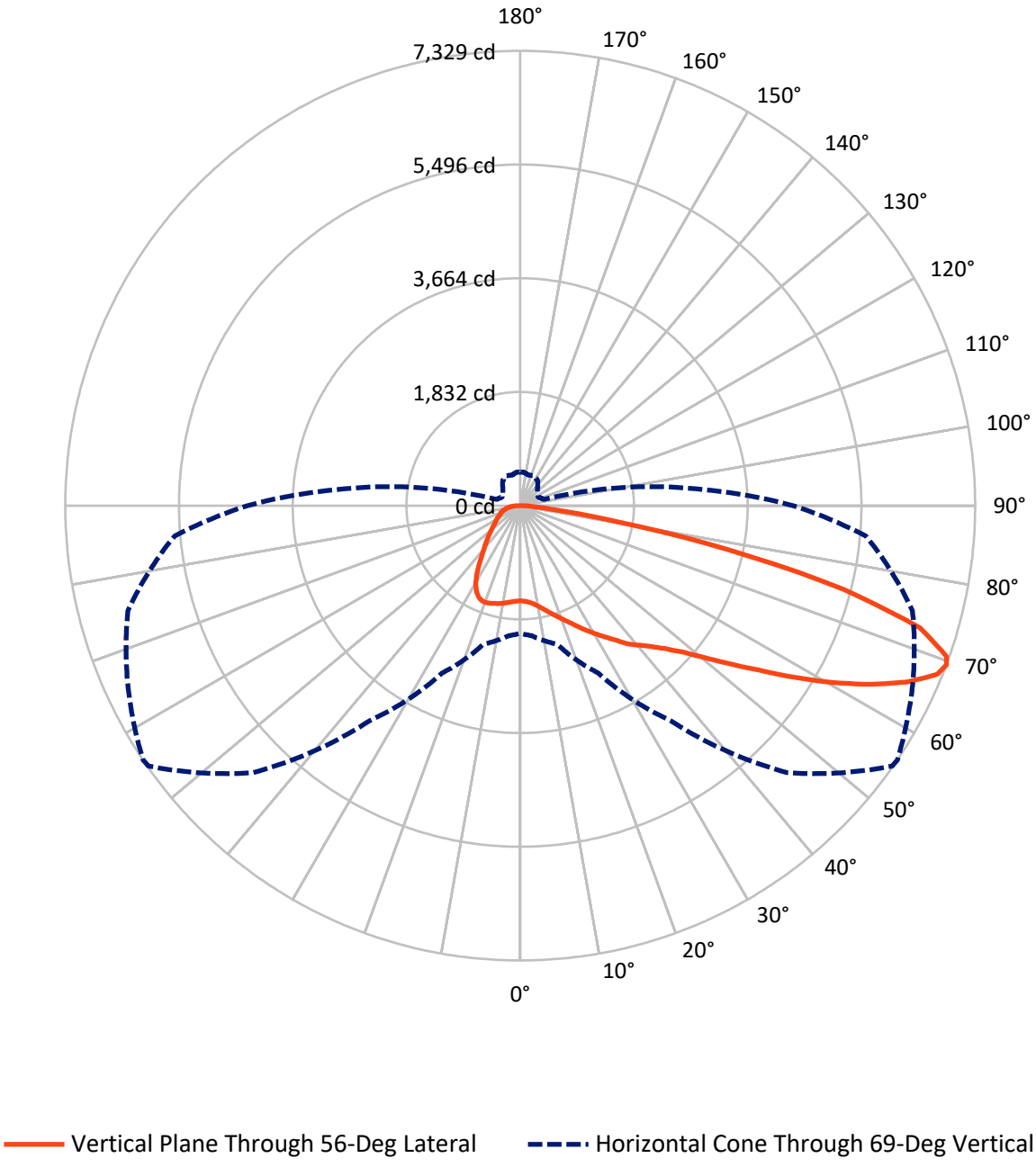
Luminous Intensity Polar Plot



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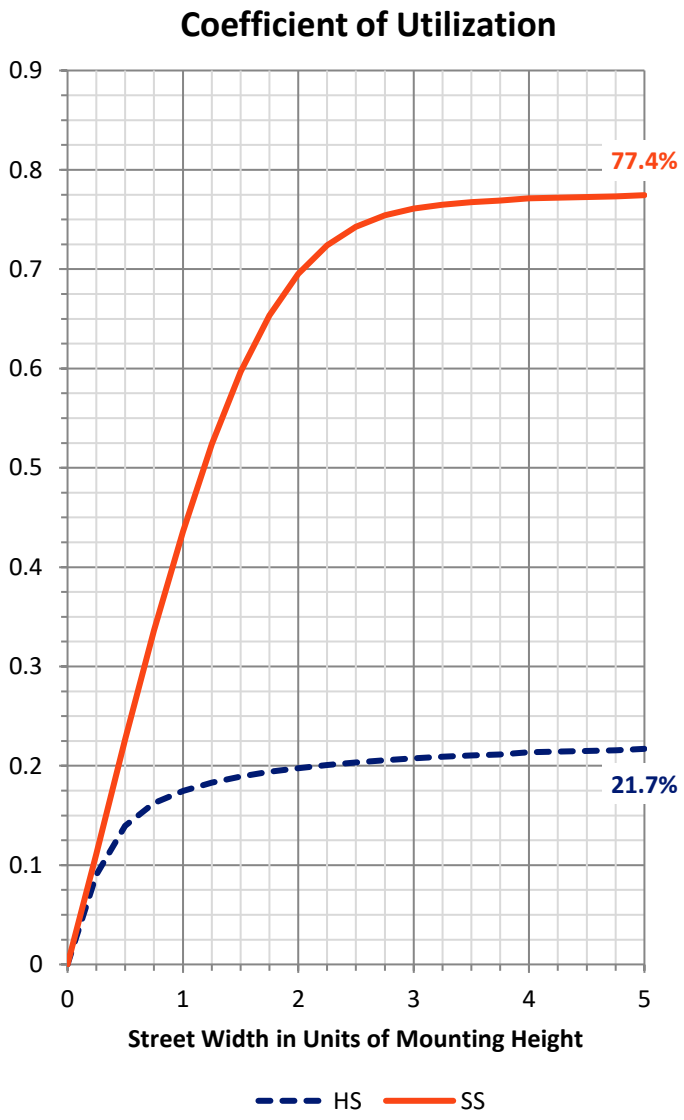
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2612.7	0.0	2612.7
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	9119.3	0.0	9119.3
	% Fixture	77.7	0.0	77.7
Total	Lumens	11732.0	0.0	11732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	1.3
10°-20°	484.4	4.1
20°-30°	845.6	7.2
30°-40°	1214.7	10.4
40°-50°	1681.0	14.3
50°-60°	2462.9	21.0
60°-70°	3002.8	25.6
70°-80°	1660.1	14.2
80°-90°	229.9	2.0
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°	11732.0	100.0
0°-180°	11732.0	100.0



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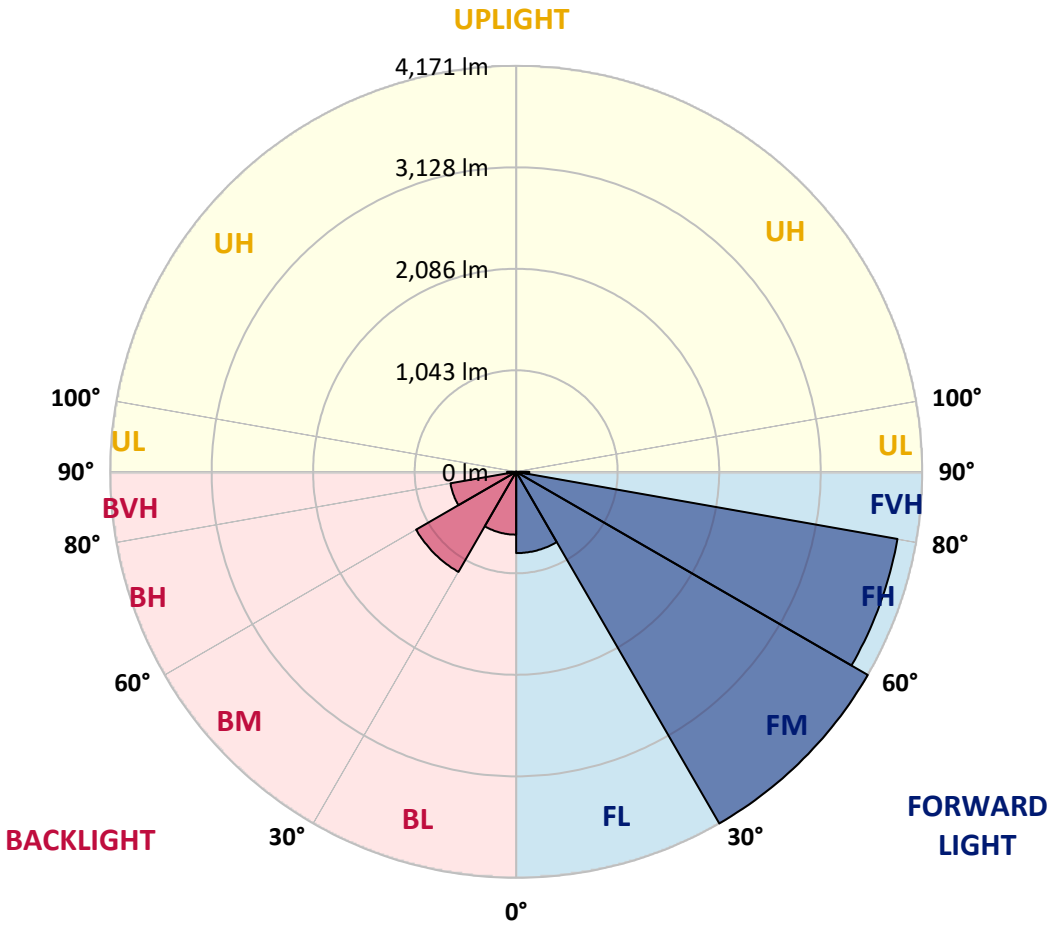
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	835.0	7.1			
FM	(30°-60°)	4171.2	35.6			
FH	(60°-80°)	3977.7	33.9			G2/5000
FVH	(80°-90°)	135.4	1.2			G2/225
BL	(0°-30°)	645.7	5.5	B2/1000		
BM	(30°-60°)	1187.4	10.1	B2/2500		
BH	(60°-80°)	685.1	5.8	B2/1000		G2/1000
BVH	(80°-90°)	94.5	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-G2
Type III Short



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REPORT NUMBER: P386959
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1533.8	1533.8	1533.8	1533.8	1533.8	1533.8	1533.8	*1533.8*	1533.8	1533.8	1533.8
2.5°	1543.5	1545.1	1543.9	1547.1	1543.5	1545.9	1543.9	*1543.9*	1542.7	1539.0	1535.0
5°	1567.7	1571.0	1568.9	1572.2	1567.7	1568.5	1564.9	*1564.9*	1561.3	1553.6	1545.5
7.5°	1605.7	1609.4	1607.7	1611.0	1604.9	1604.9	1600.1	*1599.7*	1592.4	1579.9	1570.6
10°	1651.0	1655.8	1654.2	1659.1	1654.2	1655.8	1651.0	*1651.0*	1641.3	1623.5	1611.8
12.5°	1716.9	1722.9	1718.5	1718.1	1716.1	1719.3	1715.2	*1714.4*	1705.5	1681.3	1665.1
15°	1805.0	1811.4	1802.1	1801.3	1790.0	1788.8	1788.8	*1787.6*	1781.9	1752.8	1726.2
17.5°	1906.4	1908.4	1900.4	1887.4	1872.9	1863.6	1862.4	*1865.6*	1865.6	1831.6	1789.2
20°	2005.8	2009.5	2003.0	1988.5	1969.9	1956.1	1946.4	*1952.9*	1952.5	1912.1	1851.9
22.5°	2114.2	2122.6	2112.9	2094.4	2072.5	2057.2	2040.2	*2045.9*	2046.3	1996.5	1913.3
25°	2254.4	2246.7	2240.7	2214.4	2183.3	2167.5	2151.7	*2157.4*	2155.8	2087.5	1976.7
27.5°	2378.5	2380.1	2372.0	2344.1	2308.2	2273.4	2272.6	*2276.2*	2270.2	2182.1	2036.6
30°	2522.8	2523.6	2512.3	2487.2	2448.0	2403.1	2392.6	*2398.7*	2385.7	2271.8	2099.6
32.5°	2666.2	2670.3	2657.7	2627.4	2595.9	2541.4	2520.3	*2524.4*	2492.0	2363.5	2164.7
35°	2791.9	2797.6	2793.5	2773.3	2739.0	2692.1	2667.0	*2664.6*	2624.6	2475.9	2250.8
37.5°	2920.0	2925.3	2920.9	2903.9	2890.1	2840.4	2827.1	*2827.1*	2757.6	2590.7	2360.3
40°	3051.8	3059.9	3054.6	3031.2	3019.5	2996.8	2964.9	*2957.2*	2882.1	2728.5	2538.9
42.5°	3174.3	3184.8	3205.8	3192.0	3168.2	3171.4	3107.2	*3103.1*	3048.2	2932.2	2763.2
45°	3348.1	3363.4	3399.0	3388.5	3383.6	3365.8	3289.4	*3285.8*	3264.8	3206.2	3041.7
47.5°	3537.6	3558.6	3622.9	3624.9	3677.0	3643.5	3539.6	*3527.1*	3531.9	3534.4	3381.6
50°	3712.2	3735.2	3840.7	3890.4	4013.3	4020.6	3854.5	*3843.1*	3862.1	3917.9	3777.7
52.5°	3851.6	3880.7	4012.5	4166.1	4376.6	4436.5	4242.1	*4233.6*	4247.7	4343.9	4225.5
55°	3953.9	3985.4	4128.9	4408.6	4744.8	4850.3	4688.2	*4680.2*	4689.0	4811.5	4712.5
57.5°	3977.7	3985.4	4193.6	4571.8	5055.6	5309.0	5234.3	*5218.1*	5174.4	5281.1	5250.0
60°	3865.8	3896.5	4140.2	4629.2	5296.1	5761.3	5804.9	*5784.7*	5662.3	5749.6	5724.5
62.5°	3638.6	3693.6	3941.0	4541.9	5390.3	6130.7	6364.7	*6340.4*	6129.5	6186.1	6065.6
65°	3267.6	3291.1	3550.9	4240.8	5270.6	6367.1	6863.8	*6851.7*	6586.2	6497.7	6128.7
67.5°	2604.0	2648.0	2868.7	3611.6	4781.2	6339.2	7249.8	*7248.6*	6884.4	6613.2	5905.2
69°	*2057.2*	*2102.8*	*2313.0*	*2975.0*	*4230.7*	*6084.2*	*7314.5*	*7328.6*	*6968.5*	*6542.9*	*5585.9*
70°	1640.1	1693.0	1837.3	2505.8	3742.1	5747.9	7260.7	*7286.2*	6952.3	6426.9	5291.2
72.5°	698.0	740.8	843.5	1291.7	2280.7	4292.2	6638.7	*6734.9*	6577.7	5882.1	4373.0
75°	304.7	318.1	364.6	526.6	1012.4	2336.0	5200.7	*5378.5*	5624.3	4972.0	3257.5
77.5°	223.1	228.8	254.2	309.2	454.3	882.3	3344.4	*3447.9*	4056.1	3618.0	1998.2
80°	172.6	176.6	196.4	227.1	296.7	356.9	1525.3	*1614.2*	2280.7	1858.3	832.2
82.5°	137.4	140.2	154.0	167.3	204.9	216.2	506.4	*561.8*	841.9	513.3	220.3
85°	127.7	130.9	135.8	122.1	131.4	126.9	219.1	*229.2*	254.2	201.7	92.1
87.5°	57.8	68.3	134.6	95.0	69.9	55.8	89.7	*93.8*	105.5	105.9	40.8
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-SA2C-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1533.8	1533.8	1533.8	1533.8	1533.8	1533.8	1533.8	1533.8	1533.8	1533.8	1533.8
2.5°	1537.4	1536.2	1538.2	1533.4	1539.4	1539.0	1537.0	1537.8	1541.9	1541.5	1541.9
5°	1546.7	1545.9	1548.3	1544.7	1552.0	1554.4	1554.8	1558.4	1562.9	1564.1	1564.1
7.5°	1570.2	1570.2	1571.4	1566.5	1571.4	1571.0	1568.9	1572.6	1577.0	1577.4	1577.0
10°	1610.6	1611.0	1609.0	1596.4	1592.4	1581.5	1571.4	1571.8	1577.4	1581.9	1583.1
12.5°	1661.5	1659.9	1651.0	1628.0	1611.0	1588.7	1578.2	1577.8	1583.5	1587.1	1588.3
15°	1719.7	1715.2	1692.2	1654.6	1624.7	1602.9	1585.9	1581.9	1578.6	1574.6	1575.0
17.5°	1774.7	1764.6	1726.2	1674.0	1642.5	1613.4	1580.7	1554.4	1536.2	1525.7	1522.5
20°	1830.4	1810.6	1755.3	1692.2	1652.2	1599.3	1536.2	1482.9	1449.7	1434.4	1431.5
22.5°	1881.4	1849.4	1782.3	1711.2	1644.5	1551.6	1452.5	1374.9	1328.9	1308.3	1309.9
25°	1931.1	1886.6	1810.6	1724.5	1605.7	1467.5	1336.1	1240.8	1187.4	1164.4	1163.6
27.5°	1974.7	1924.2	1841.3	1713.6	1533.4	1347.9	1198.3	1105.4	1060.9	1041.1	1037.9
30°	2024.8	1971.5	1882.2	1672.0	1427.5	1209.6	1063.7	998.3	966.7	946.9	943.3
32.5°	2085.9	2035.7	1915.7	1596.4	1292.1	1065.4	958.7	913.0	884.3	862.1	858.0
35°	2174.8	2120.6	1924.2	1488.1	1143.4	951.4	881.5	834.6	795.8	767.1	764.3
37.5°	2286.3	2226.9	1904.8	1347.9	999.1	877.4	817.2	759.4	708.9	668.5	662.0
40°	2447.2	2357.5	1851.0	1186.2	892.8	820.4	754.6	688.7	626.0	578.8	569.5
42.5°	2640.4	2510.6	1768.6	1025.4	814.8	762.6	692.3	610.7	550.9	517.3	512.5
45°	2886.1	2669.9	1654.2	884.7	738.0	704.9	625.2	550.1	512.9	488.2	484.2
47.5°	3166.6	2848.5	1534.2	770.3	672.9	650.7	571.5	523.0	493.5	474.1	470.4
50°	3511.3	3050.2	1406.9	676.6	607.5	585.6	546.0	508.0	484.6	469.6	466.0
52.5°	3900.1	3277.7	1315.1	602.6	553.3	537.5	532.7	499.9	480.9	469.6	466.0
55°	4318.8	3509.3	1216.1	540.4	506.4	510.9	523.8	500.8	487.8	474.1	468.8
57.5°	4738.0	3748.6	1105.8	487.8	469.2	491.1	517.7	502.4	491.5	478.1	473.3
60°	5069.4	3900.1	934.8	443.8	439.7	469.2	503.2	490.2	476.1	476.5	475.7
62.5°	5224.2	3892.0	746.1	404.6	410.2	439.7	479.7	471.2	459.5	475.3	476.5
65°	5137.3	3698.1	580.8	369.0	378.7	409.0	455.5	462.0	466.0	496.3	500.3
67.5°	4772.7	3320.6	449.8	337.9	350.0	388.0	457.9	503.2	508.4	540.4	540.0
69°	*4395.6*	*2966.5*	*390.8*	*321.7*	*335.9*	*393.2*	*489.4*	*529.4*	*509.6*	*543.6*	*538.7*
70°	4079.6	2686.4	359.3	310.8	329.4	402.5	510.5	529.0	503.6	532.7	524.6
72.5°	3141.9	1932.7	304.7	290.6	307.6	385.2	516.5	517.3	489.4	495.1	481.4
75°	2155.0	1221.4	265.9	263.1	274.4	347.2	497.1	494.3	452.7	444.6	433.3
77.5°	1188.2	620.4	225.9	236.8	244.5	307.6	451.8	447.8	413.5	396.5	392.4
80°	458.3	271.6	190.8	210.6	215.4	266.3	396.1	392.4	363.7	341.9	335.9
82.5°	173.0	142.3	157.6	182.3	180.7	219.9	335.5	333.4	305.5	273.6	263.9
85°	80.0	85.3	124.9	150.3	138.6	162.9	268.4	272.0	238.0	200.1	200.1
87.5°	33.9	47.7	88.5	113.6	93.4	109.9	196.8	187.9	172.6	119.6	112.4
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

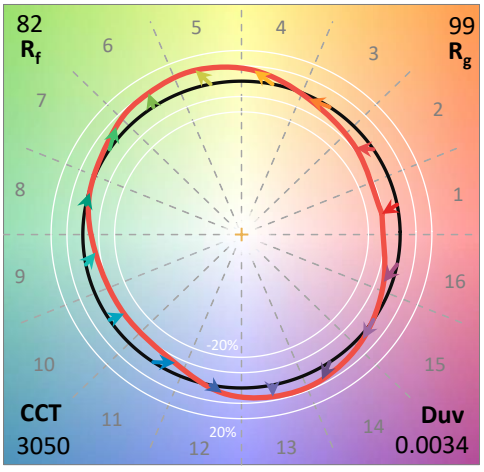
Test Information

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

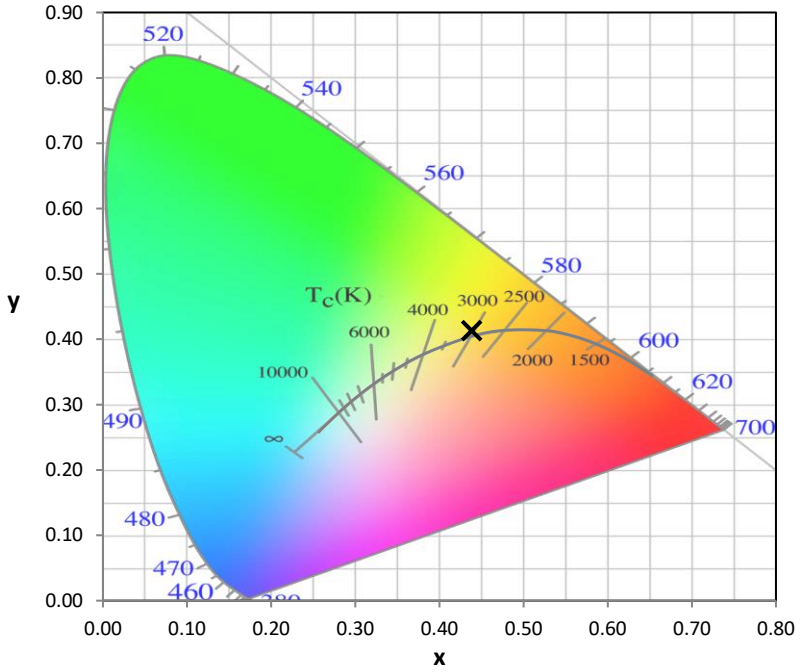
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

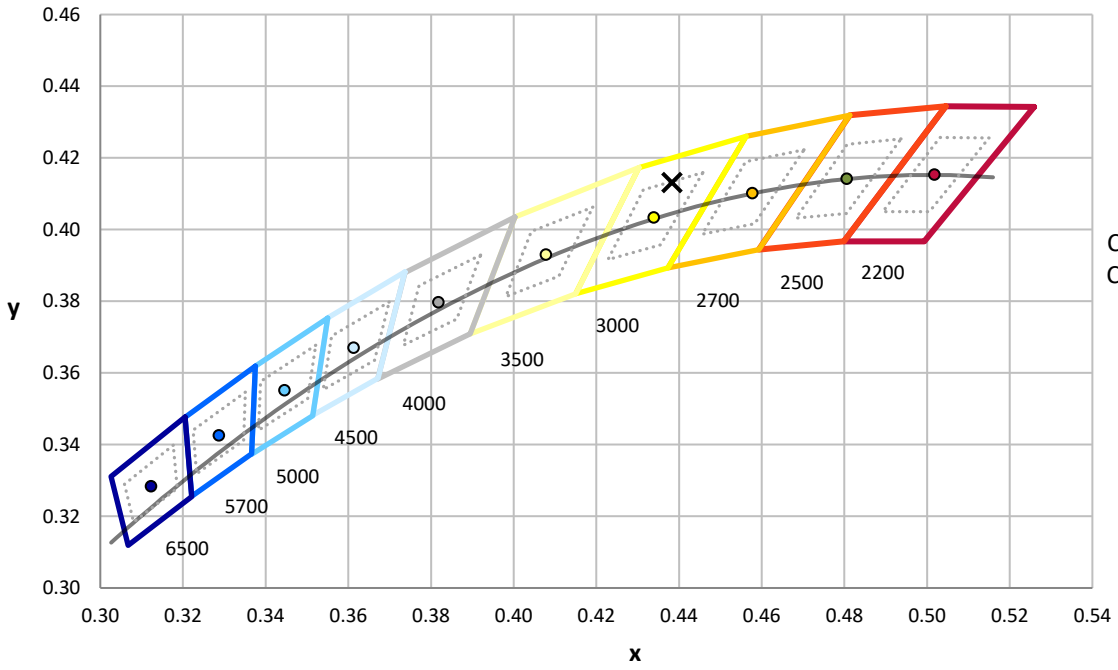
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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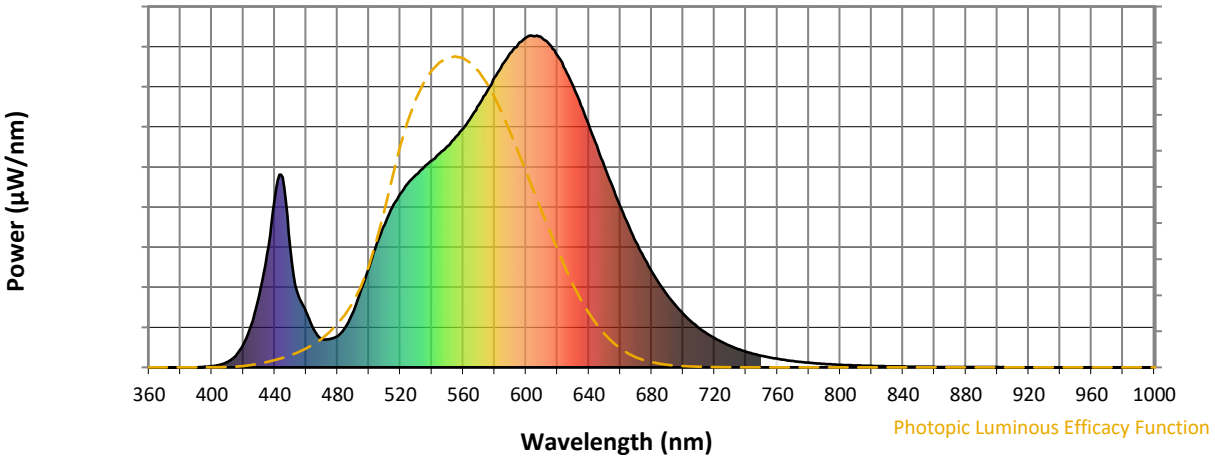
Photopic Flux vs. Wavelength



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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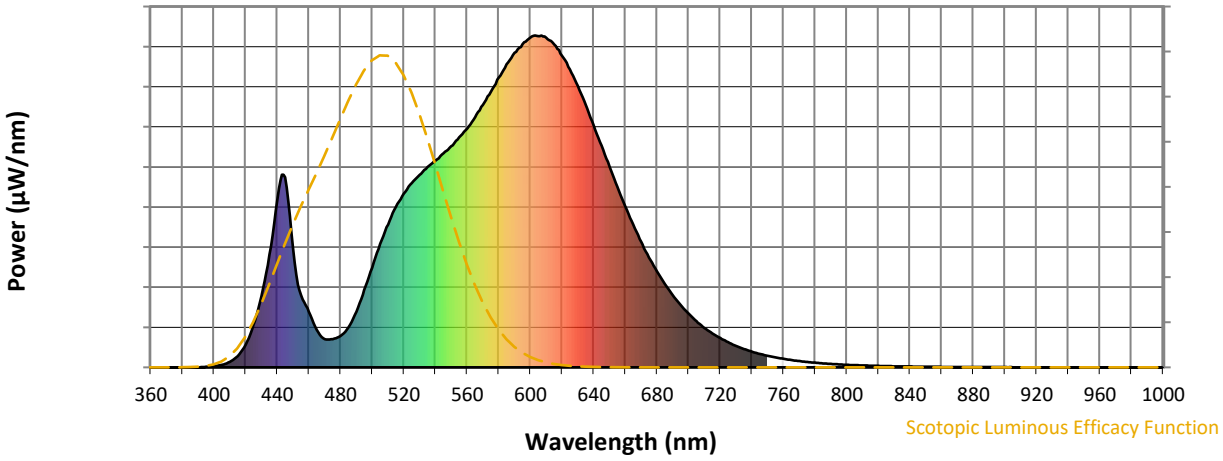
Scotopic Flux vs. Wavelength



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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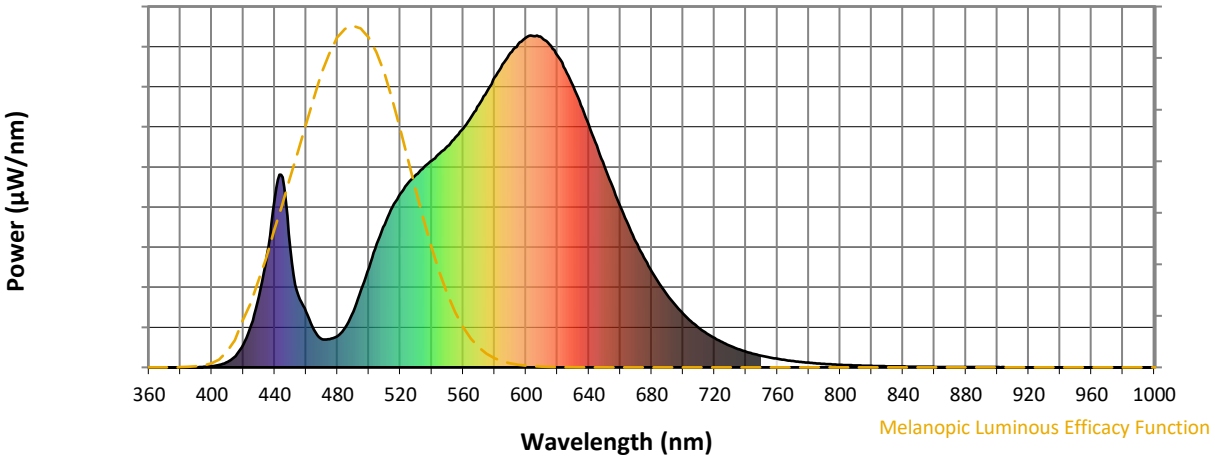
Melanopic Flux vs. Wavelength



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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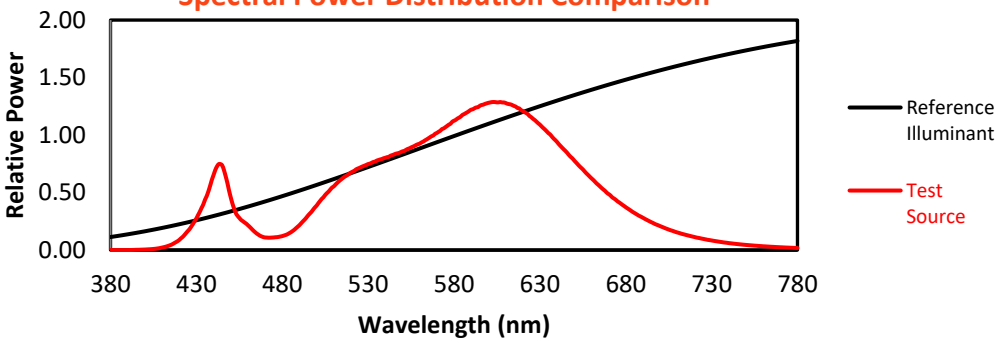
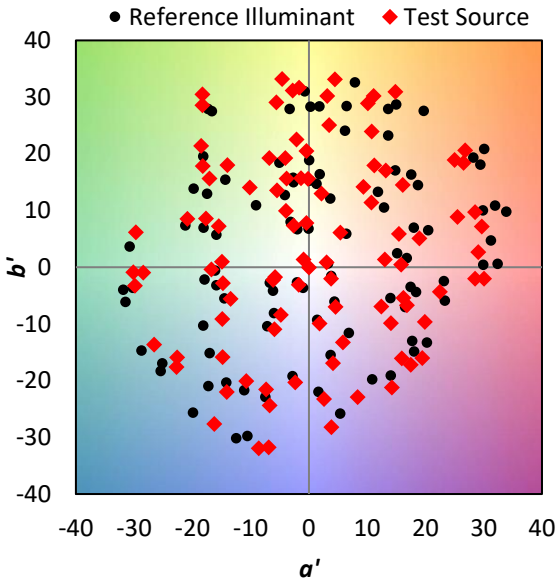
Summary

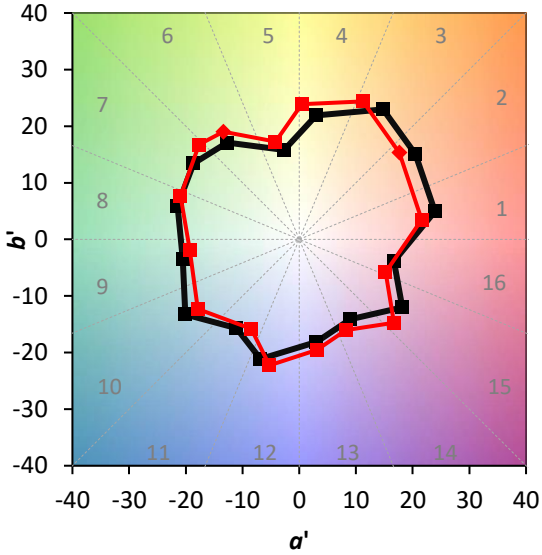
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

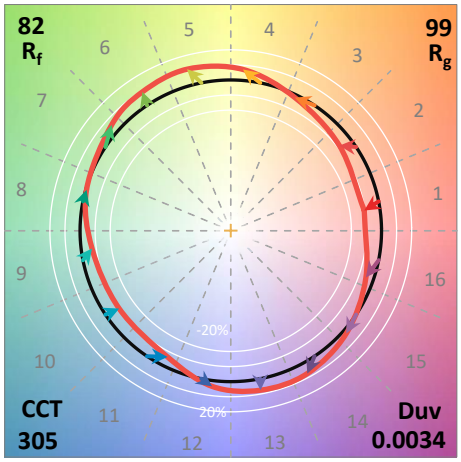
Spectral Power Distribution Comparison

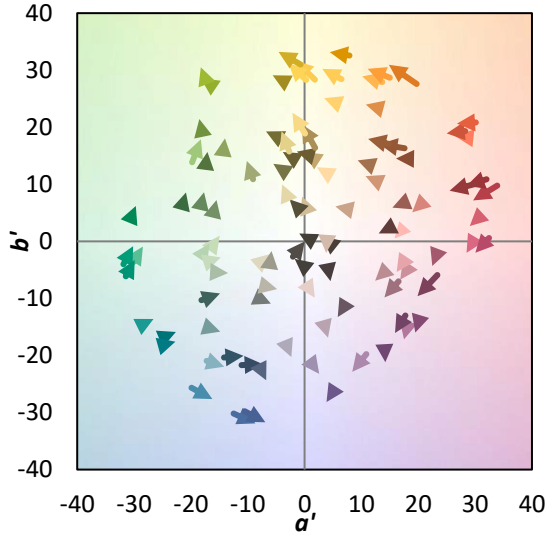


Color Vector Graphics









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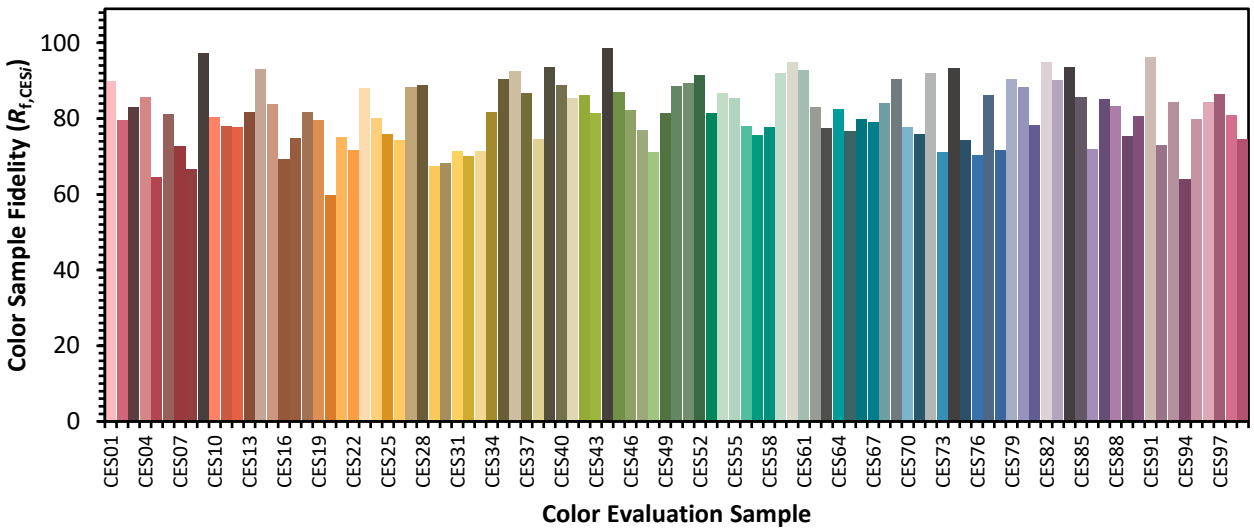
Individual Sample Fidelity Index ($R_{f,i}$)

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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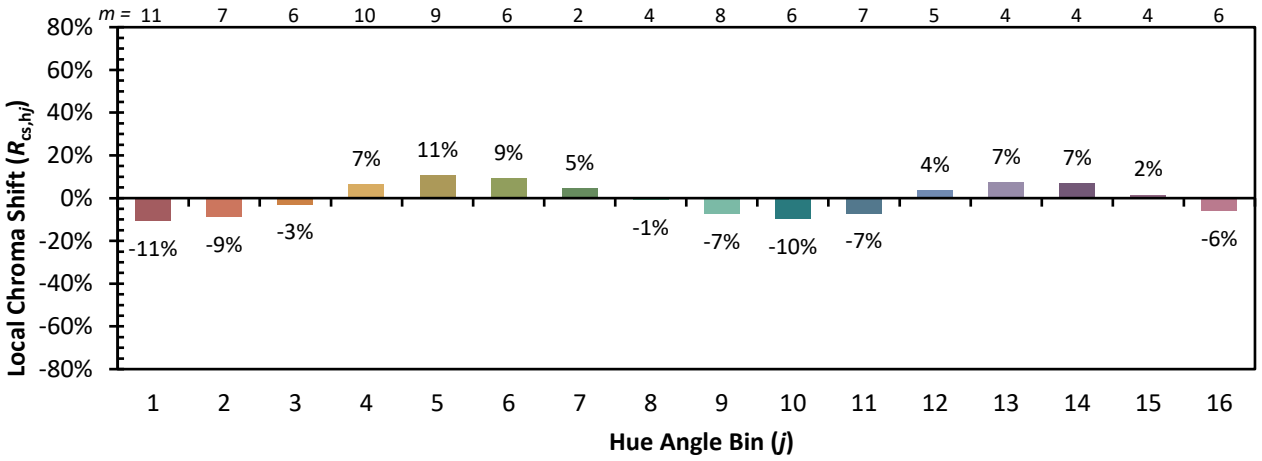
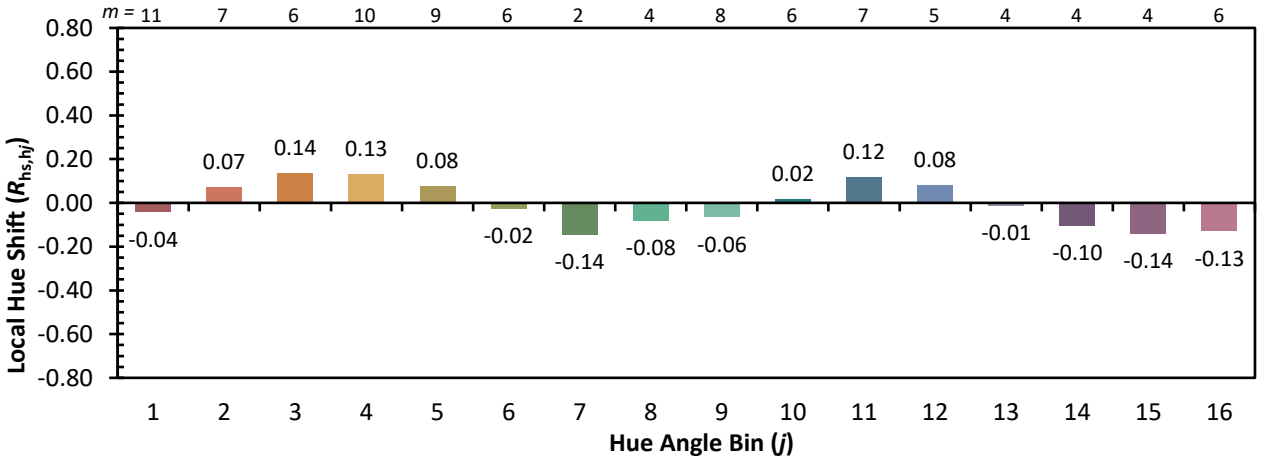
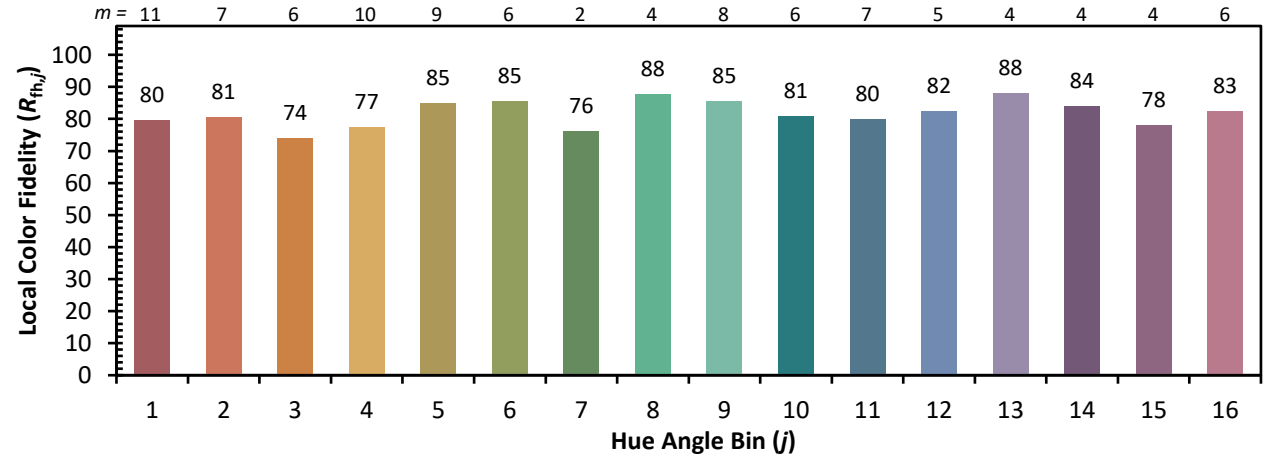
Color Rendition by Hue-Angle Bin







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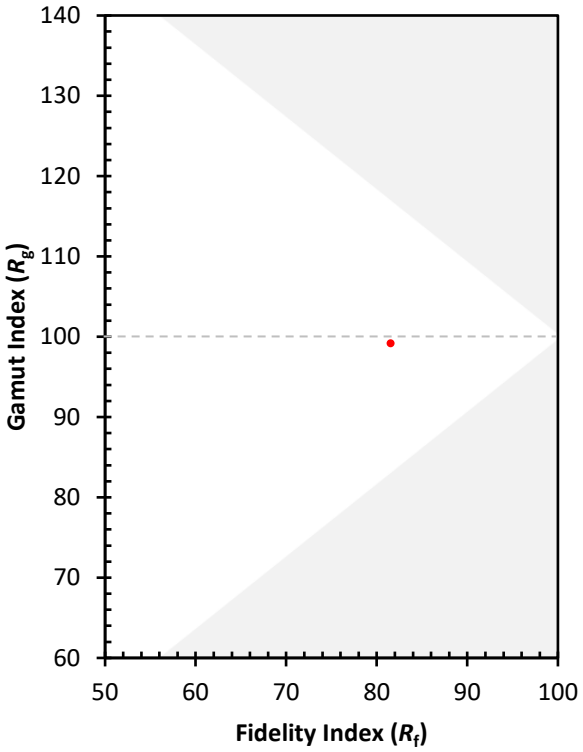
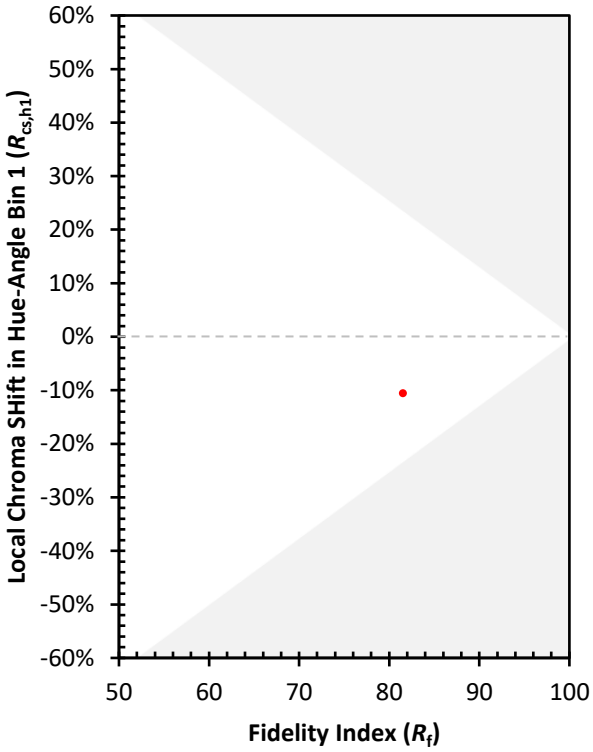
Measure Comparisons





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