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: P321135

Luminaire Tested: **GLEON-SA1D-830-U-AFL**

Issue Date: 3/3/2020

Report Generated By E0585644

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:	P321135
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-29)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1D-830-U-AFL
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6623 lumens
Efficiency:	N/A
Efficacy:	98.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	67
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:	24 FT

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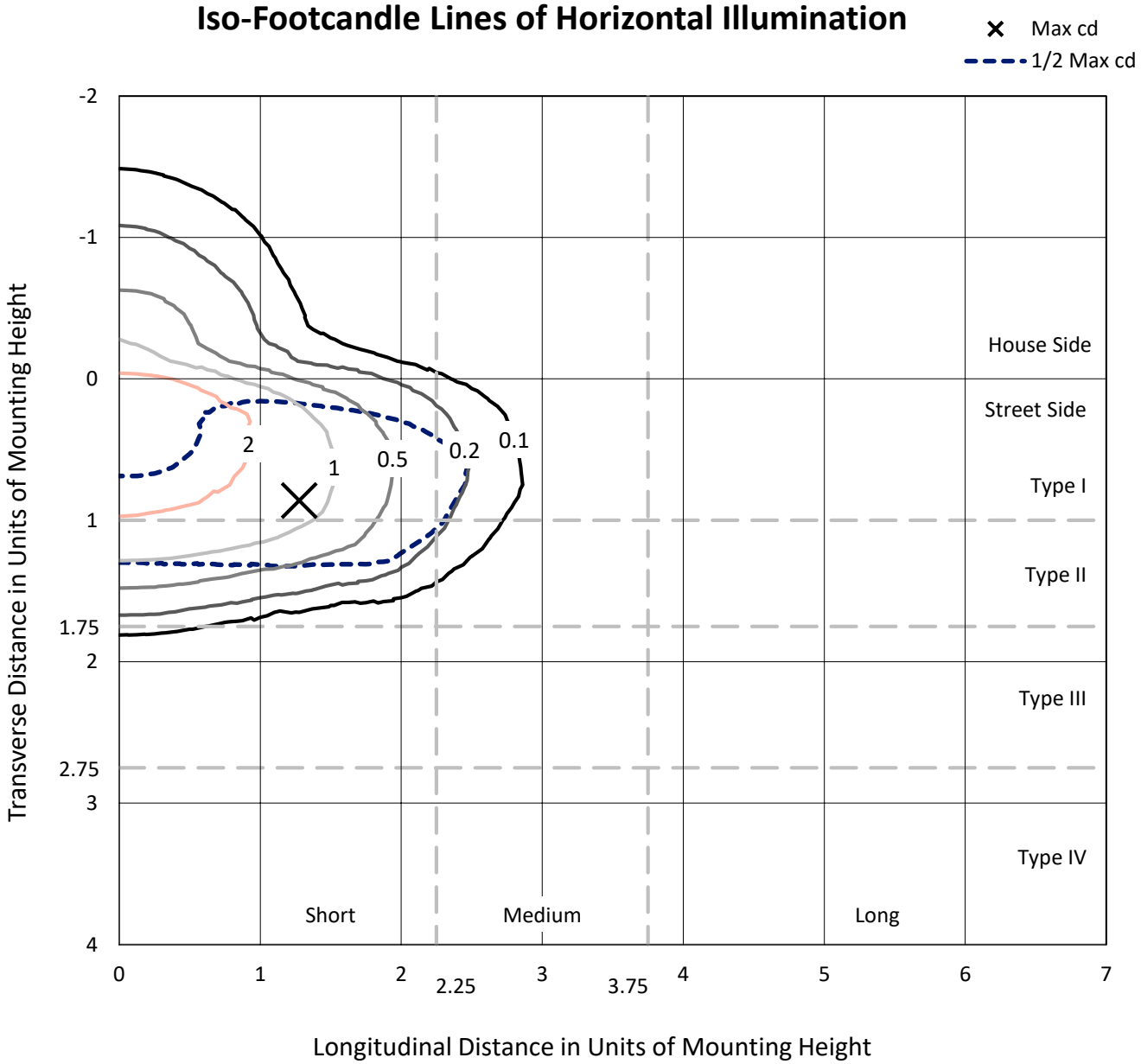
Scaled Data Report

REPORT NUMBER: P321135
CATALOG NUMBER: GLEON-SA1D-830-U-AFL

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type II - Short - N/A

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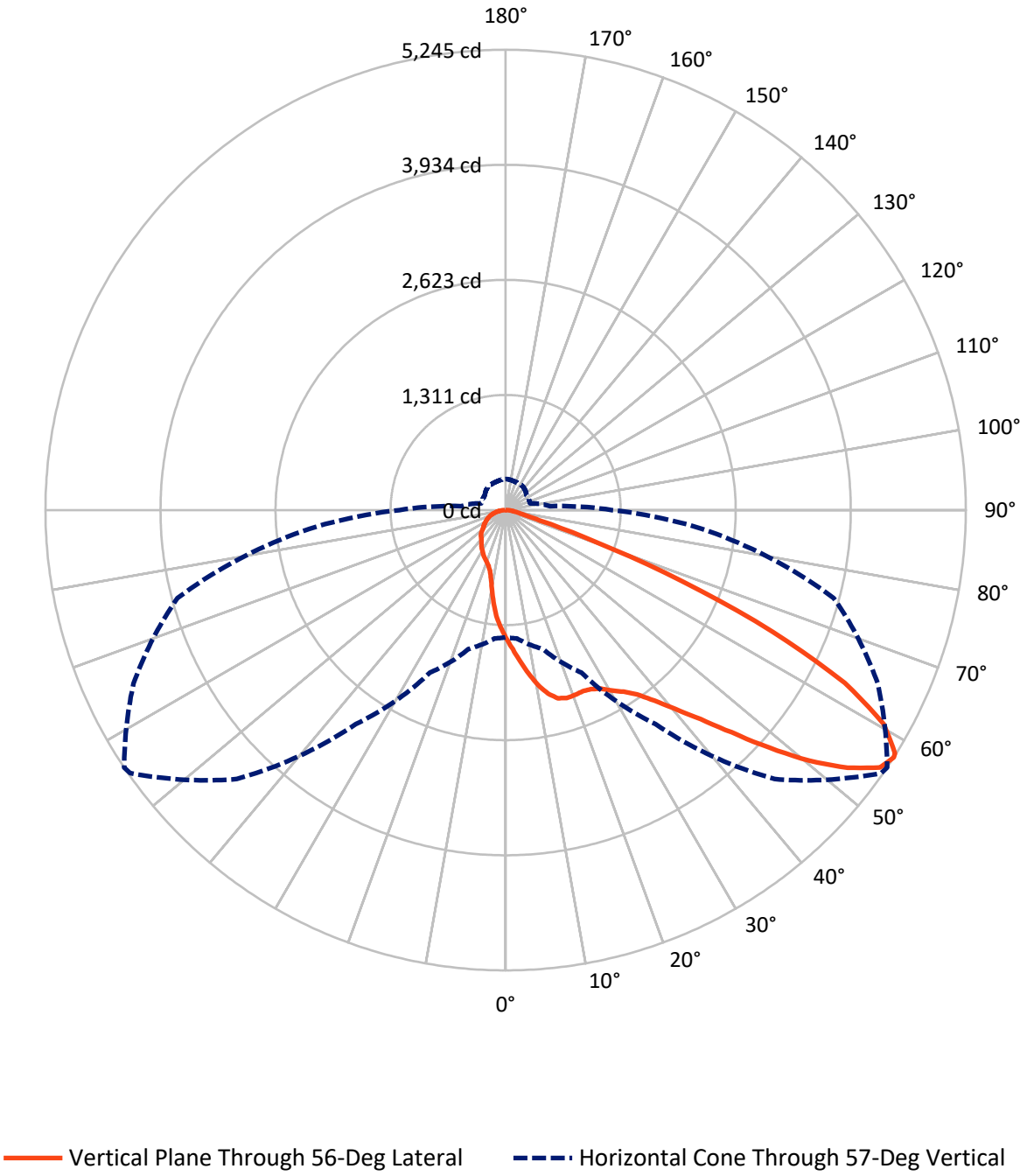
Luminous Intensity Polar Plot



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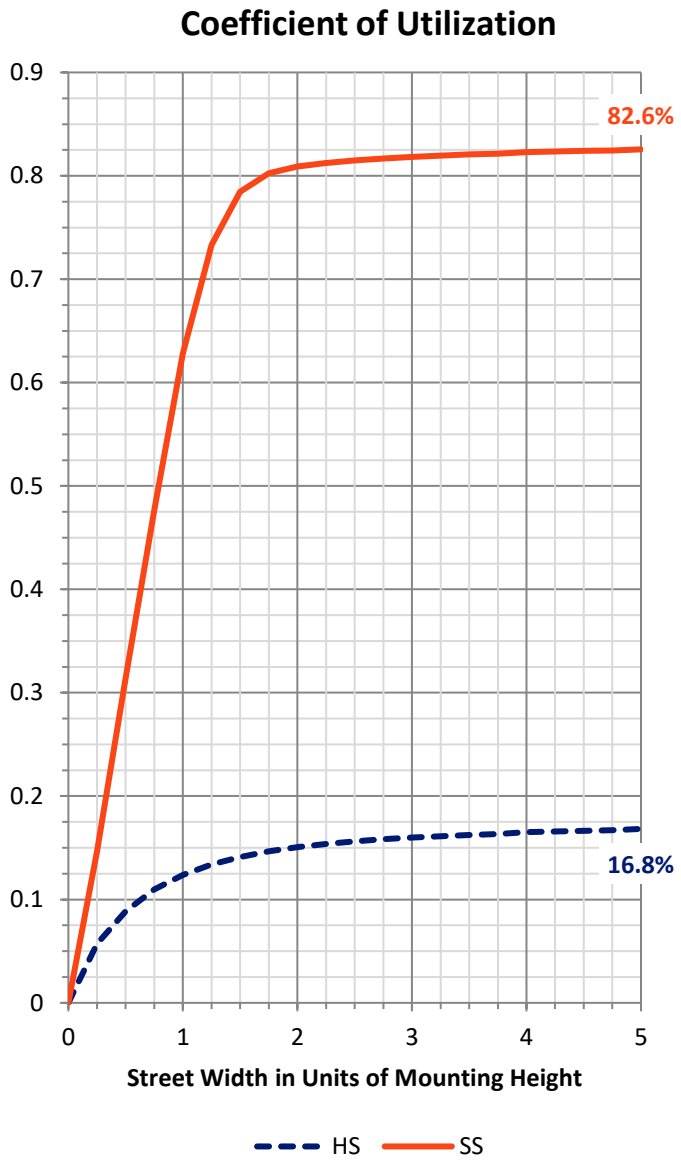
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1141.7	0.0	1141.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	5481.3	0.0	5481.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	6623.0	0.0	6623.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	2.1
10°-20°	396.7	6.0
20°-30°	646.2	9.8
30°-40°	966.0	14.6
40°-50°	1465.2	22.1
50°-60°	1642.2	24.8
60°-70°	970.0	14.6
70°-80°	317.8	4.8
80°-90°	78.5	1.2
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°	6623.0	100.0
0°-180°	6623.0	100.0



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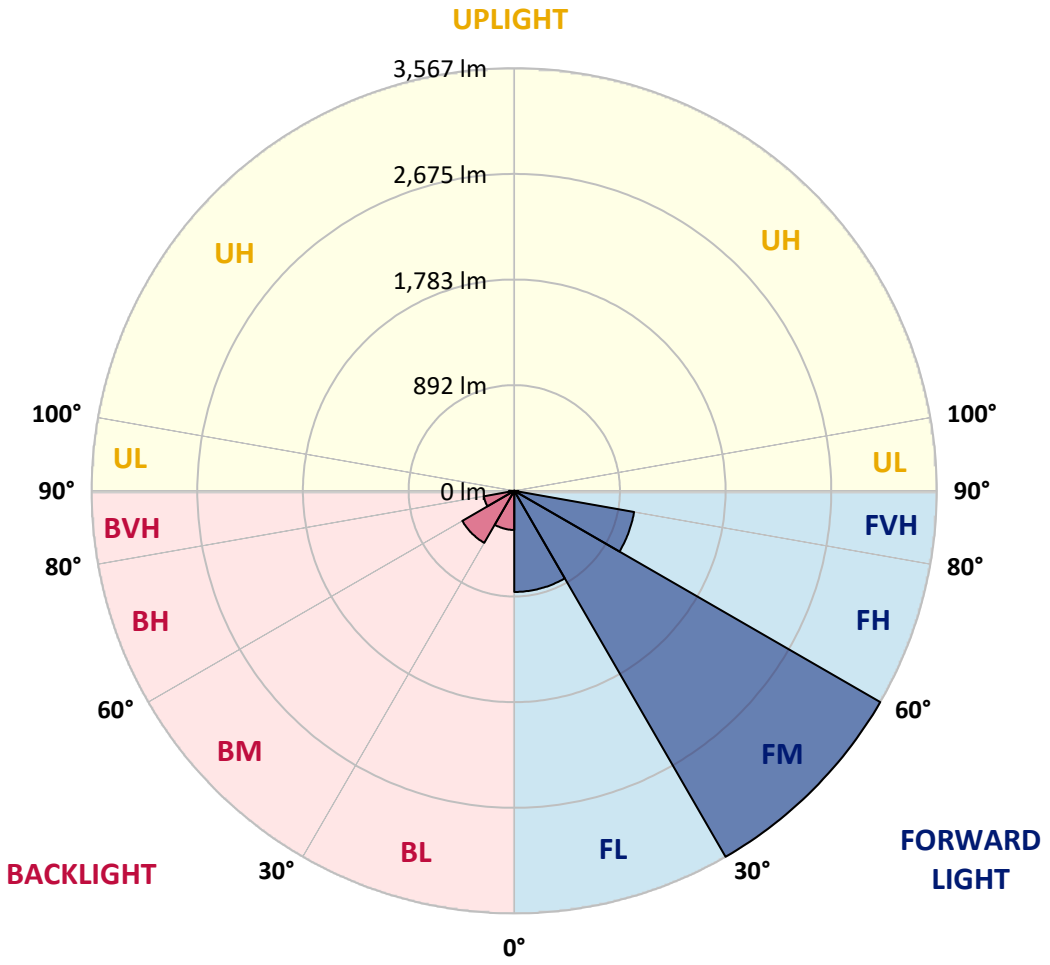
REPORT NUMBER: P321135
CATALOG NUMBER: GLEON-SA1D-830-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	853.1	12.9			
FM	(30°-60°)	3566.7	53.9			
FH	(60°-80°)	1026.9	15.5			G1/1800
FVH	(80°-90°)	34.6	0.5			G1/100
BL	(0°-30°)	330.1	5.0	B1/500		
BM	(30°-60°)	506.7	7.7	B1/1000		
BH	(60°-80°)	260.9	3.9	B1/500		G1/500
BVH	(80°-90°)	43.9	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P321135
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	*1469.0*	1469.0	1469.0	1469.0
2.5°	1686.8	1702.3	1695.5	1671.8	1653.6	1627.9	1599.2	*1590.5*	1560.3	1526.3	1485.6
5°	1953.8	1946.1	1934.9	1898.0	1859.1	1813.8	1741.9	*1730.5*	1663.1	1586.4	1505.4
7.5°	2105.8	2105.2	2098.6	2076.9	2041.4	1982.2	1895.5	*1882.1*	1780.4	1657.0	1531.4
10°	2083.8	2082.2	2093.1	2115.6	2126.3	2114.0	2041.0	*2027.5*	1902.6	1735.1	1561.4
12.5°	1958.3	1959.3	1976.8	2024.1	2088.5	2165.9	2154.1	*2147.5*	2029.4	1823.4	1597.8
15°	1860.7	1862.8	1876.6	1917.8	1993.9	2134.3	2222.8	*2225.1*	2152.0	1920.8	1640.4
17.5°	1817.9	1822.2	1828.6	1857.5	1927.2	2071.2	2239.2	*2251.5*	2259.5	2021.8	1681.3
20°	1831.6	1835.7	1837.5	1855.9	1913.1	2033.0	2227.8	*2249.9*	2341.9	2117.0	1722.3
22.5°	1892.8	1895.3	1896.4	1901.2	1945.6	2043.9	2220.3	*2243.5*	2401.5	2202.3	1753.3
25°	1994.3	1992.5	1985.2	1979.1	2008.9	2087.2	2237.6	*2259.7*	2450.0	2279.7	1773.5
27.5°	2115.9	2113.6	2099.5	2082.6	2099.7	2154.5	2287.5	*2305.0*	2493.5	2352.1	1783.8
30°	2261.7	2255.8	2229.2	2209.2	2215.8	2255.6	2369.6	*2385.6*	2560.6	2434.3	1793.8
32.5°	2430.4	2424.0	2385.6	2352.3	2352.3	2385.6	2454.3	*2467.5*	2617.5	2527.1	1809.9
35°	2641.6	2633.7	2583.6	2527.8	2512.1	2529.0	2569.7	*2579.0*	2719.9	2644.1	1839.3
37.5°	2890.6	2879.9	2815.1	2740.4	2706.0	2705.1	2734.5	*2753.6*	2883.6	2797.8	1889.2
40°	3140.3	3132.8	3076.1	3017.4	2950.0	2928.4	2973.7	*2979.6*	3097.5	2988.5	1952.9
42.5°	3333.3	3332.0	3321.5	3329.2	3260.3	3216.6	3252.1	*3256.9*	3358.8	3194.9	2020.7
45°	3435.3	3437.6	3488.3	3600.8	3626.3	3594.4	3611.9	*3613.3*	3657.4	3403.2	2082.8
47.5°	3353.6	3365.4	3493.8	3745.3	3954.0	4059.9	4030.7	*4047.6*	3947.0	3582.1	2131.6
50°	3035.2	3049.7	3268.2	3680.9	4107.0	4510.3	4495.0	*4491.2*	4180.5	3713.2	2158.0
52.5°	2640.7	2652.1	2832.4	3346.1	3994.8	4759.3	4899.3	*4879.3*	4388.1	3811.3	2163.0
55°	2040.1	2057.8	2230.6	2677.8	3540.9	4664.2	5196.5	*5178.6*	4577.2	3862.7	2157.0
57°	*1450.3*	*1469.0*	*1640.6*	*2043.7*	*2978.7*	*4334.8*	*5226.1*	*5245.2*	*4679.4*	*3871.4*	*2163.6*
57.5°	1294.2	1313.3	1483.3	1874.8	2803.5	4215.8	5200.6	*5232.5*	4697.8	3870.0	2167.3
60°	651.6	658.9	767.3	1046.5	1772.2	3408.2	4868.1	*4950.3*	4714.5	3803.1	2183.0
62.5°	405.1	399.9	396.5	482.1	862.2	2260.2	4181.9	*4340.0*	4396.5	3641.1	2145.0
65°	356.2	346.4	308.9	302.0	380.8	1097.8	3149.2	*3346.1*	3717.1	3385.7	2054.4
67.5°	334.6	325.0	282.7	257.2	257.4	435.2	1955.2	*2176.9*	2895.6	2953.9	1840.7
70°	312.3	303.6	264.0	234.0	219.2	241.0	899.5	*1067.7*	1887.6	2321.8	1538.4
72.5°	283.6	277.7	240.1	209.2	193.5	180.5	344.4	*406.7*	1092.8	1559.3	1068.4
75°	253.6	248.1	216.0	186.4	167.3	142.0	193.9	*208.9*	555.1	797.8	526.0
77.5°	220.6	217.4	192.1	164.8	149.5	117.7	137.2	*144.5*	238.1	342.1	263.8
80°	175.5	181.6	168.0	146.8	132.7	94.2	97.2	*102.0*	138.6	167.1	149.8
82.5°	114.3	125.0	131.6	119.3	109.3	74.2	69.9	*71.9*	90.4	102.0	65.1
85°	47.6	53.5	86.5	78.1	72.6	54.2	46.9	*47.8*	56.0	58.0	26.6
87.5°	21.2	22.5	38.0	35.7	30.7	18.7	20.0	*21.9*	29.8	28.2	10.2
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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Scaled Data Report

REPORT NUMBER: P321135
CATALOG NUMBER: GLEON-SA1D-830-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0	1469.0
2.5°	1470.4	1451.2	1418.5	1382.3	1352.7	1329.0	1305.1	1288.7	1269.6	1259.4	1254.1
5°	1471.5	1433.9	1365.0	1294.2	1230.9	1173.1	1118.0	1075.7	1036.1	1014.7	1008.8
7.5°	1476.3	1419.8	1308.3	1191.8	1079.3	976.7	897.5	847.8	812.1	796.2	791.6
10°	1480.1	1403.2	1238.2	1065.7	912.7	808.7	747.2	719.5	707.2	705.1	703.1
12.5°	1489.2	1386.1	1164.4	934.1	783.2	711.3	689.9	688.1	691.5	696.5	696.5
15°	1503.6	1369.3	1080.2	821.2	700.8	675.5	679.9	689.9	699.2	707.0	708.1
17.5°	1514.1	1348.6	989.6	730.9	656.9	663.7	679.2	693.3	702.9	710.4	711.1
20°	1521.6	1316.5	892.9	661.9	631.6	652.8	672.1	684.6	691.2	698.8	699.9
22.5°	1517.7	1273.5	807.1	612.5	611.1	636.8	655.3	670.3	665.3	658.0	662.8
25°	1499.0	1214.3	718.8	575.6	589.5	615.5	638.2	628.2	611.4	608.2	610.0
27.5°	1465.8	1138.7	637.1	541.5	564.5	595.7	594.3	584.3	578.4	574.3	576.8
30°	1430.1	1056.8	565.6	511.7	536.7	562.4	557.2	557.0	551.0	544.4	547.6
32.5°	1394.8	974.4	508.9	487.1	515.8	519.2	530.6	534.0	522.4	508.5	507.6
35°	1364.1	896.6	465.9	464.8	490.5	491.0	507.6	502.8	473.9	459.5	459.5
37.5°	1341.1	818.9	433.1	444.7	457.3	469.1	477.5	457.7	452.9	445.0	444.7
40°	1331.1	750.7	412.7	429.5	433.8	448.8	427.2	435.0	437.2	433.1	433.1
42.5°	1320.6	691.2	394.9	417.9	417.2	415.2	404.2	414.2	423.4	423.6	422.9
45°	1310.1	640.0	379.2	393.1	402.6	380.6	382.6	393.3	406.1	410.6	410.6
47.5°	1298.5	599.5	364.9	366.9	381.7	366.9	365.3	373.5	388.5	395.8	397.4
50°	1273.0	563.1	348.5	343.9	348.0	353.0	354.4	358.3	374.9	386.5	389.2
52.5°	1237.7	530.6	327.5	322.7	322.7	341.6	348.0	349.2	363.3	377.1	379.9
55°	1208.4	509.8	305.9	305.0	304.1	329.6	340.5	342.3	352.1	363.0	364.4
57°	*1210.4*	*508.3*	*289.3*	*290.2*	*290.0*	*317.3*	*333.4*	*337.3*	*342.3*	*351.7*	*353.2*
57.5°	1211.6	509.4	285.6	286.1	285.9	313.9	331.4	335.7	339.6	349.4	351.0
60°	1228.6	512.3	270.9	265.8	267.0	295.7	319.8	325.3	327.8	340.7	342.8
62.5°	1203.4	499.1	259.0	247.0	247.0	276.5	303.6	312.3	316.1	333.7	337.1
65°	1130.1	462.0	245.1	225.6	227.8	257.4	284.3	298.4	304.3	326.2	329.8
67.5°	1017.0	419.0	230.3	206.4	208.7	237.4	264.3	279.5	288.8	318.0	320.9
70°	869.7	366.5	210.3	186.2	188.9	215.5	240.6	257.9	271.8	310.2	311.1
72.5°	641.2	300.4	182.3	163.9	166.8	190.1	216.7	236.7	255.4	290.9	290.4
75°	381.2	234.9	151.4	141.3	143.4	165.0	195.1	219.4	247.4	283.4	287.7
77.5°	231.3	176.9	123.4	118.4	120.9	142.9	179.6	205.5	244.0	267.2	265.8
80°	139.8	126.3	98.6	95.4	97.9	122.2	166.2	195.1	213.3	228.3	228.3
82.5°	73.1	77.2	72.4	69.9	73.3	99.2	151.1	170.3	188.5	161.8	151.1
85°	29.8	40.3	43.9	43.7	45.7	68.7	130.4	145.7	121.5	115.4	118.1
87.5°	10.0	17.1	21.4	18.4	19.3	43.2	90.4	70.3	83.5	58.3	55.3
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

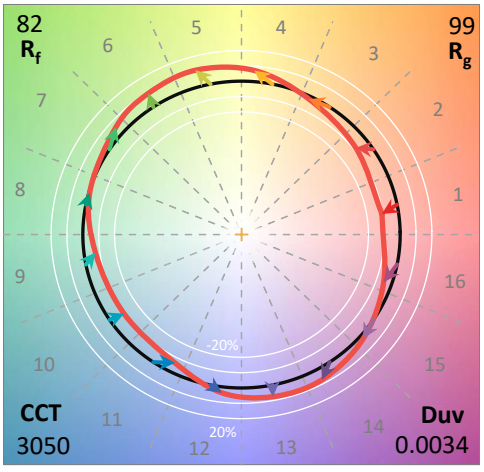
Test Information

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

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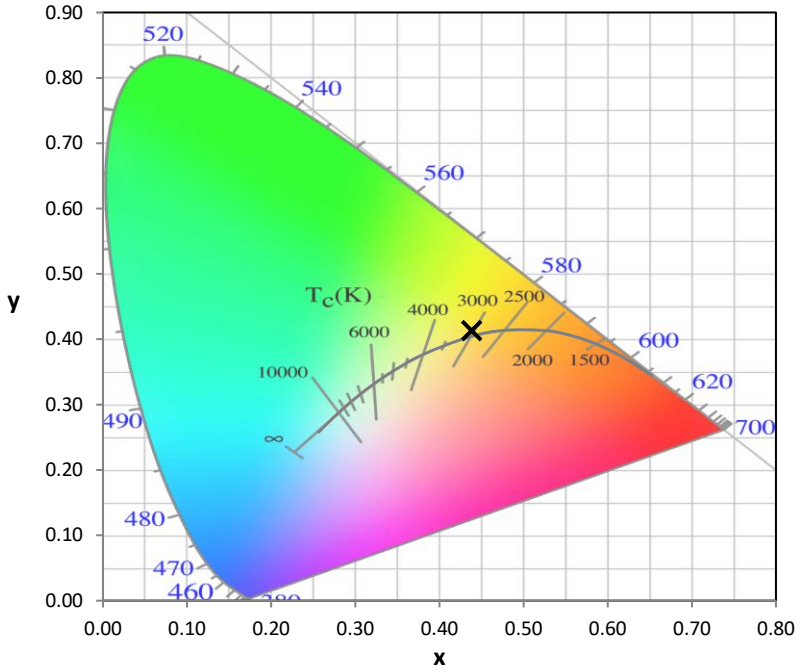
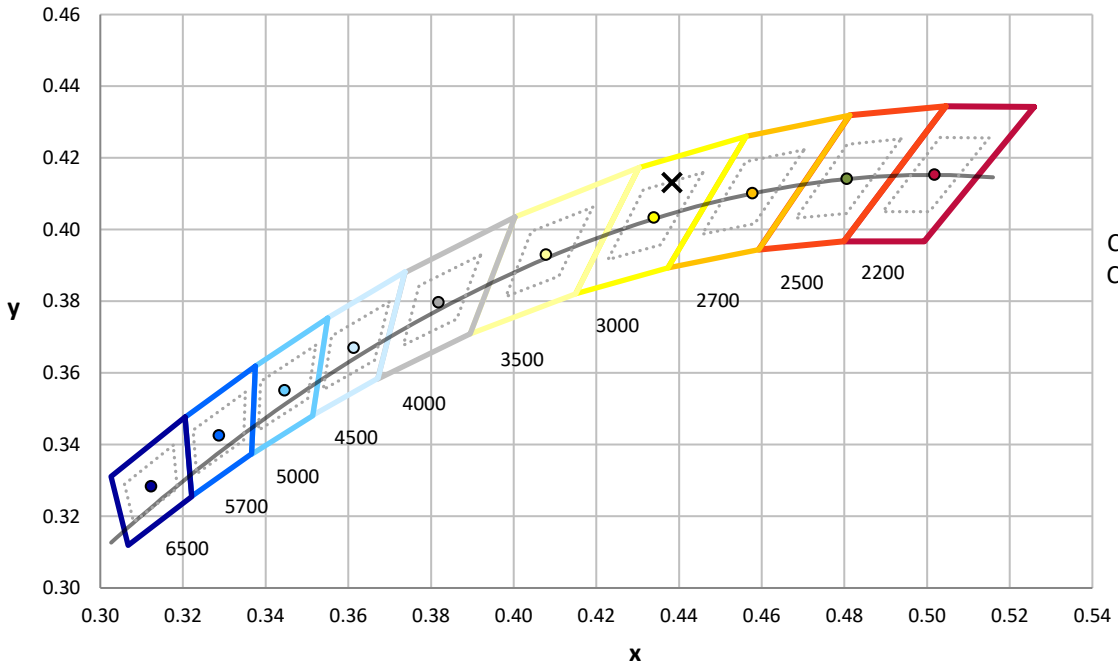
CIE 1931 Chromaticity Diagram



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

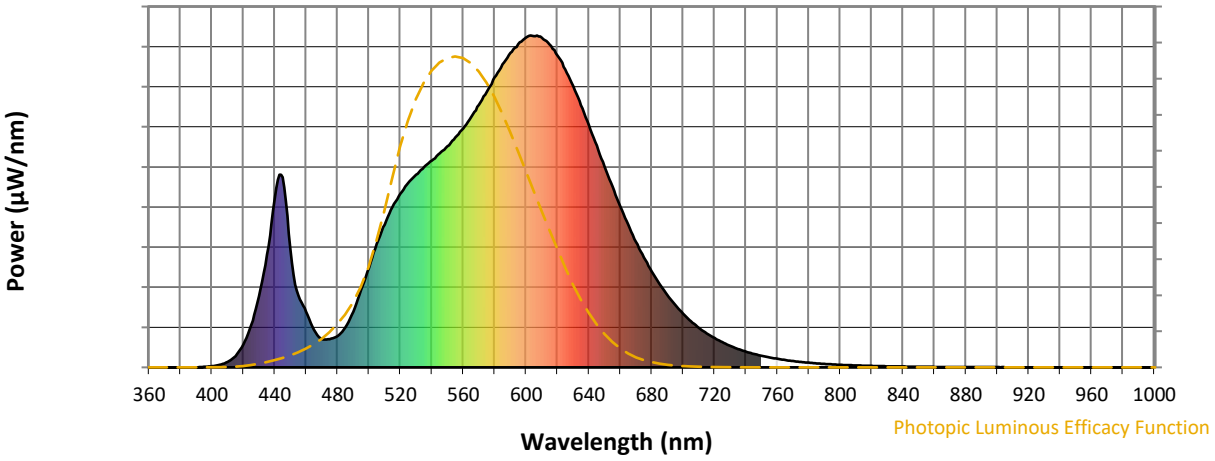


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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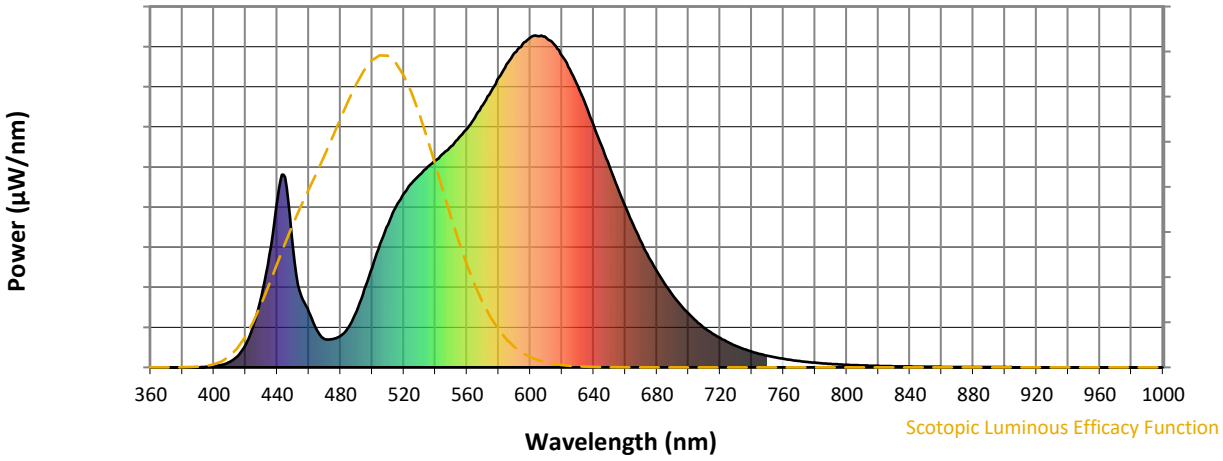
Scotopic Flux vs. Wavelength



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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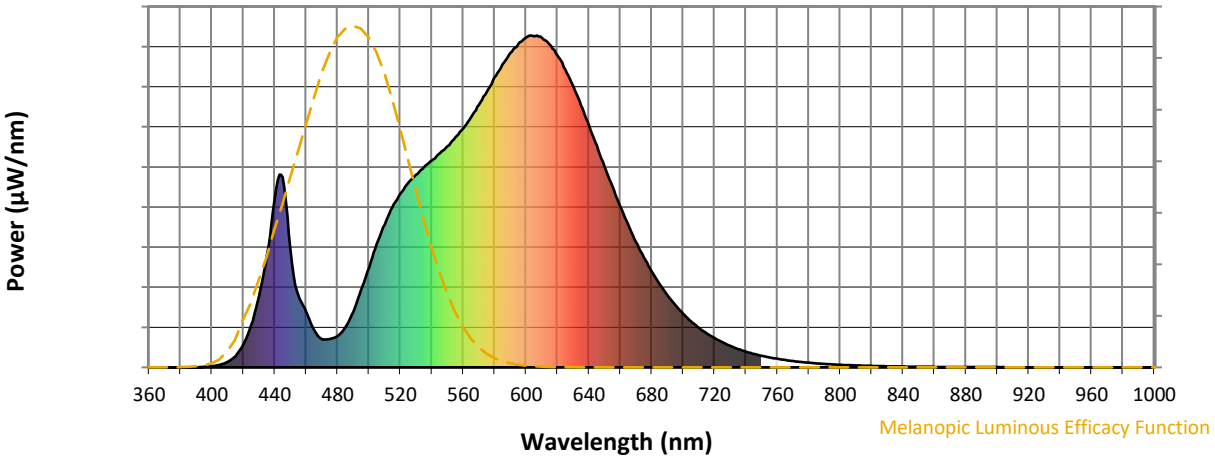
Melanopic Flux vs. Wavelength



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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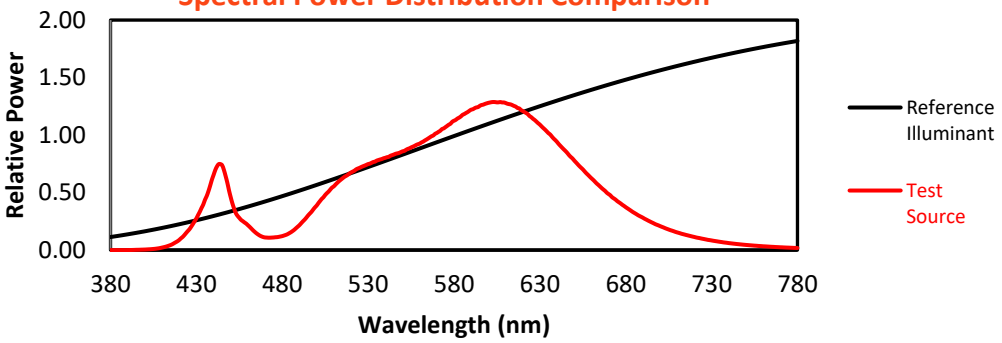
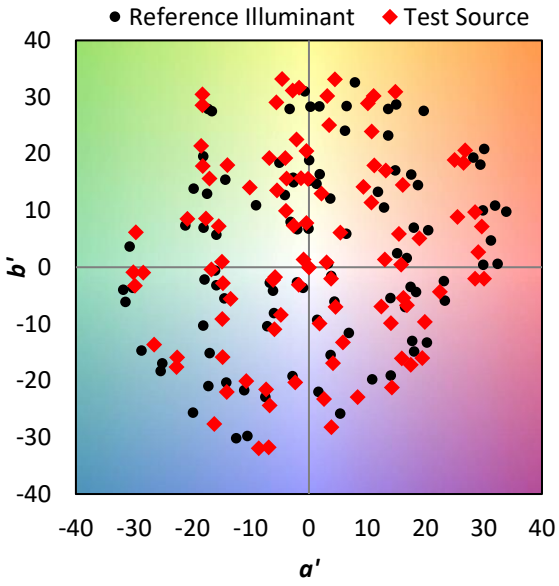
Summary

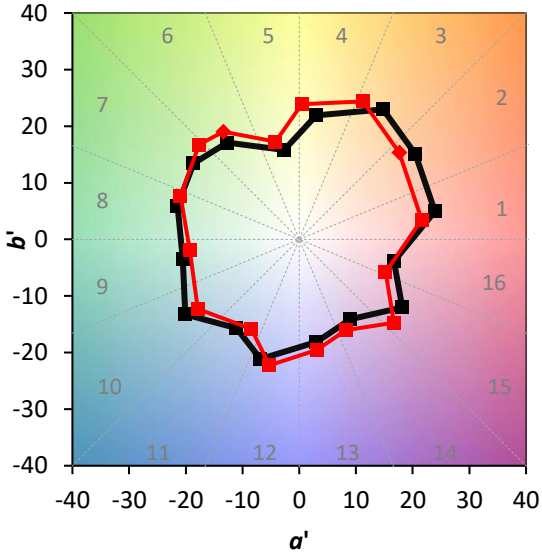
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

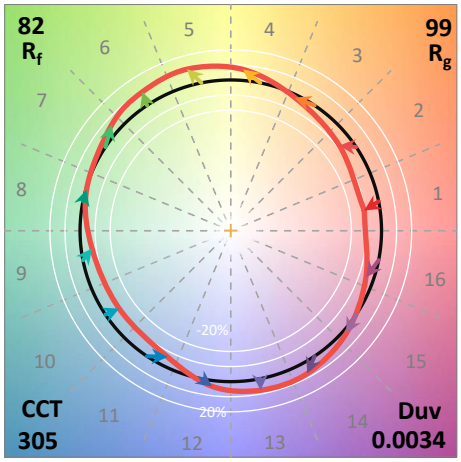
Spectral Power Distribution Comparison

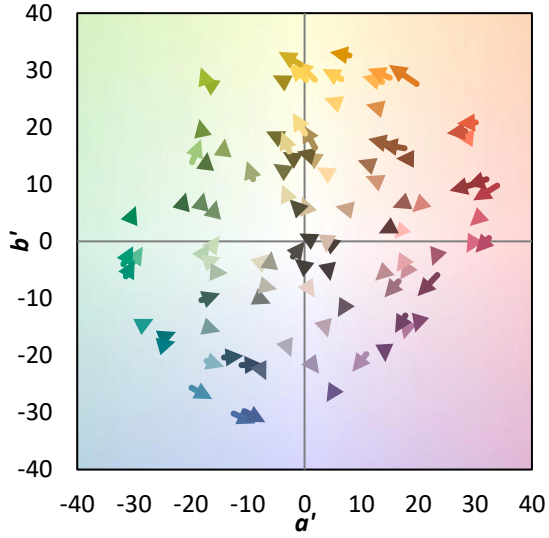


Color Vector Graphics









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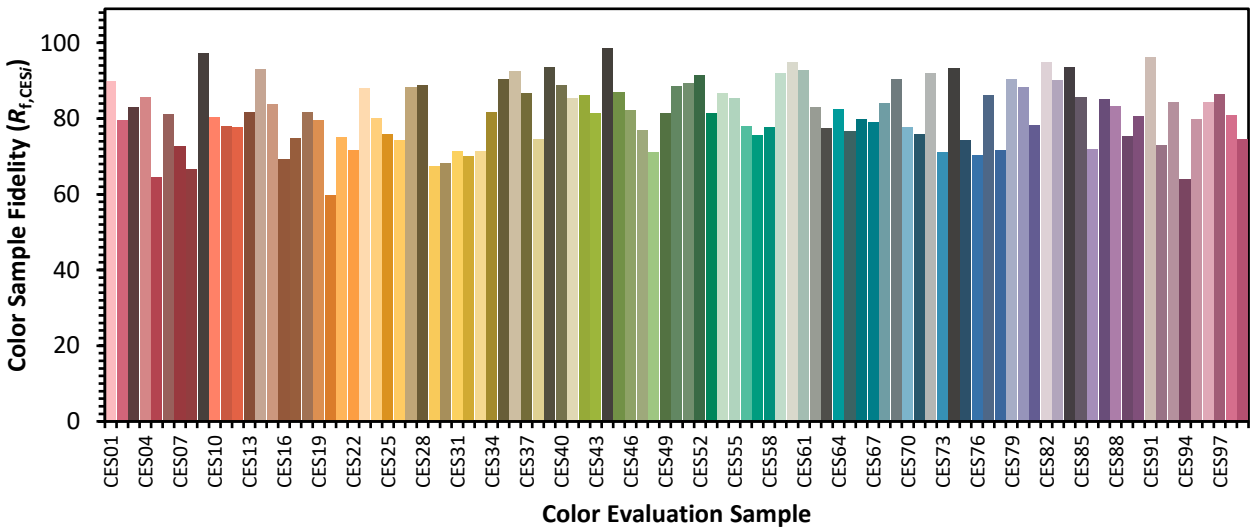
Individual Sample Fidelity Index ($R_{f,i}$)

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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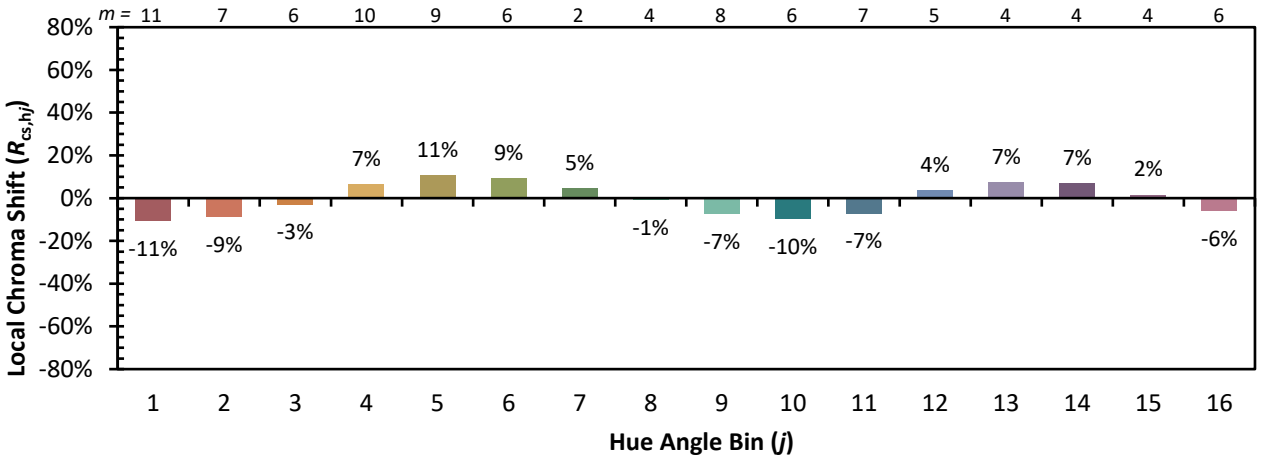
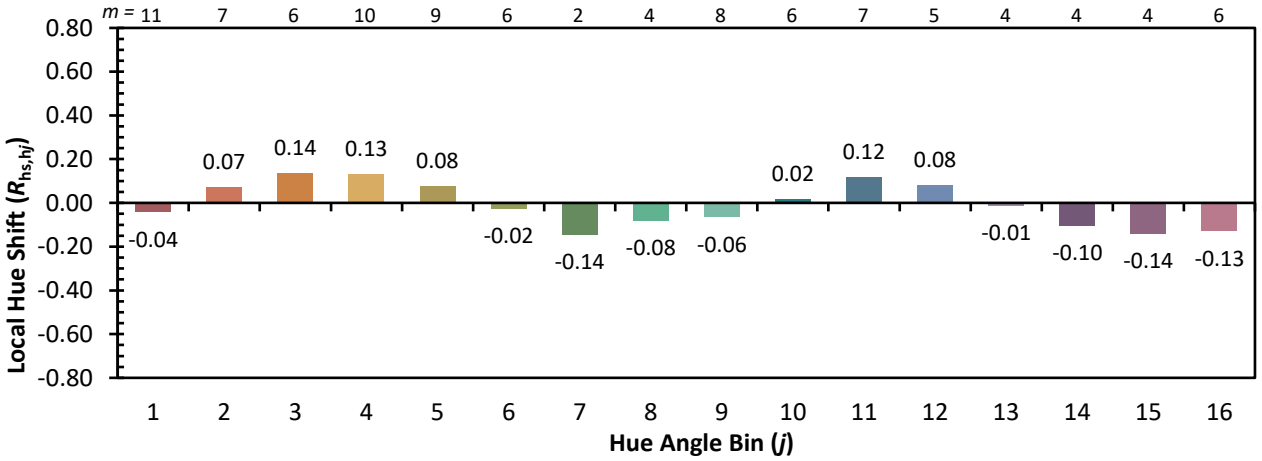
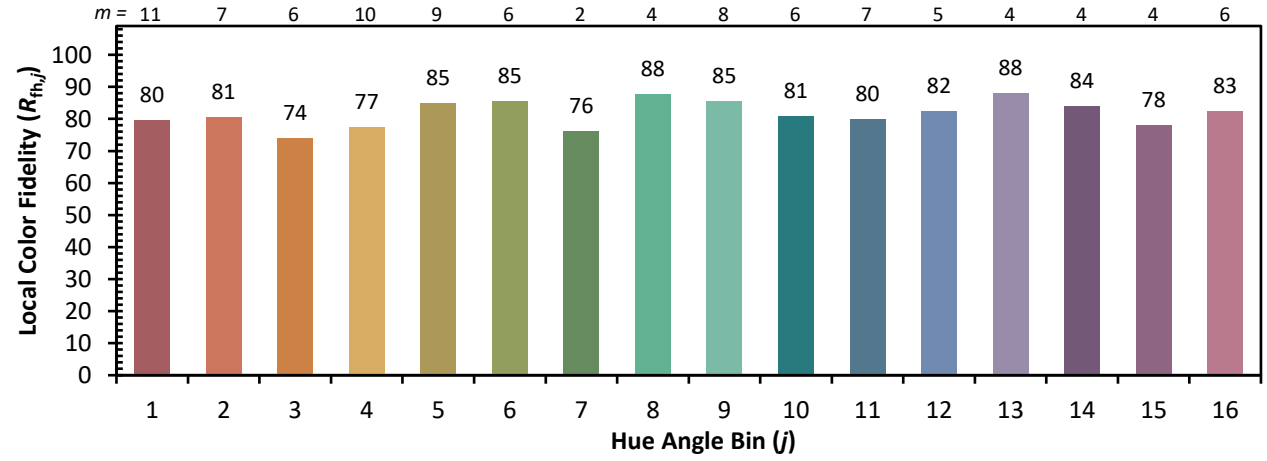
Color Rendition by Hue-Angle Bin







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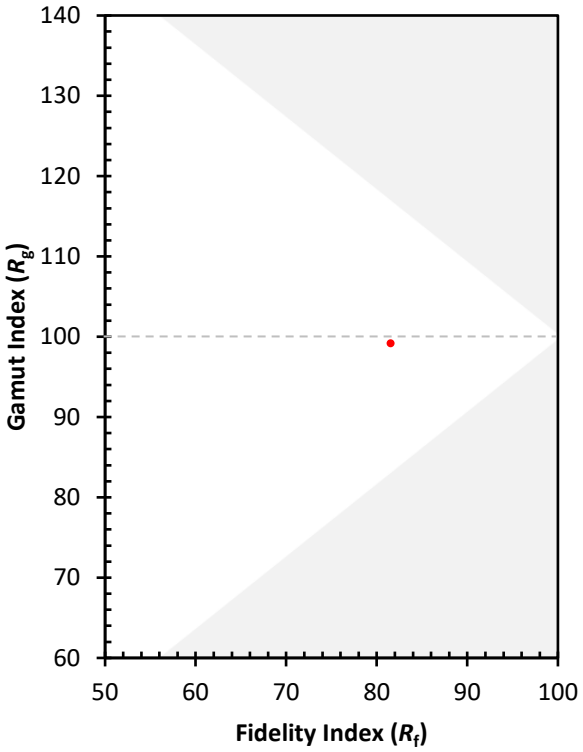
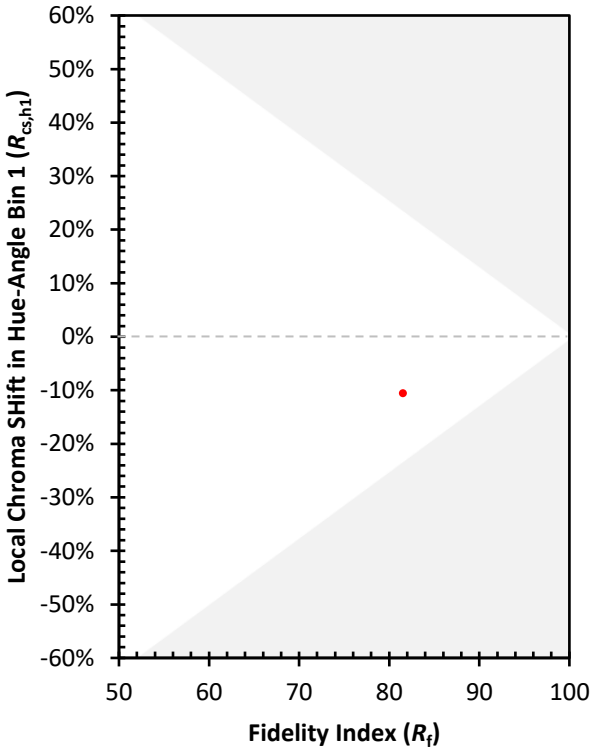
Measure Comparisons





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