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: P324006

Luminaire Tested: **GLEON-SA2C-830-U-SL4-HSS**

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:	P324006
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2C-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9333 lumens
Efficiency:	N/A
Efficacy:	82.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	113
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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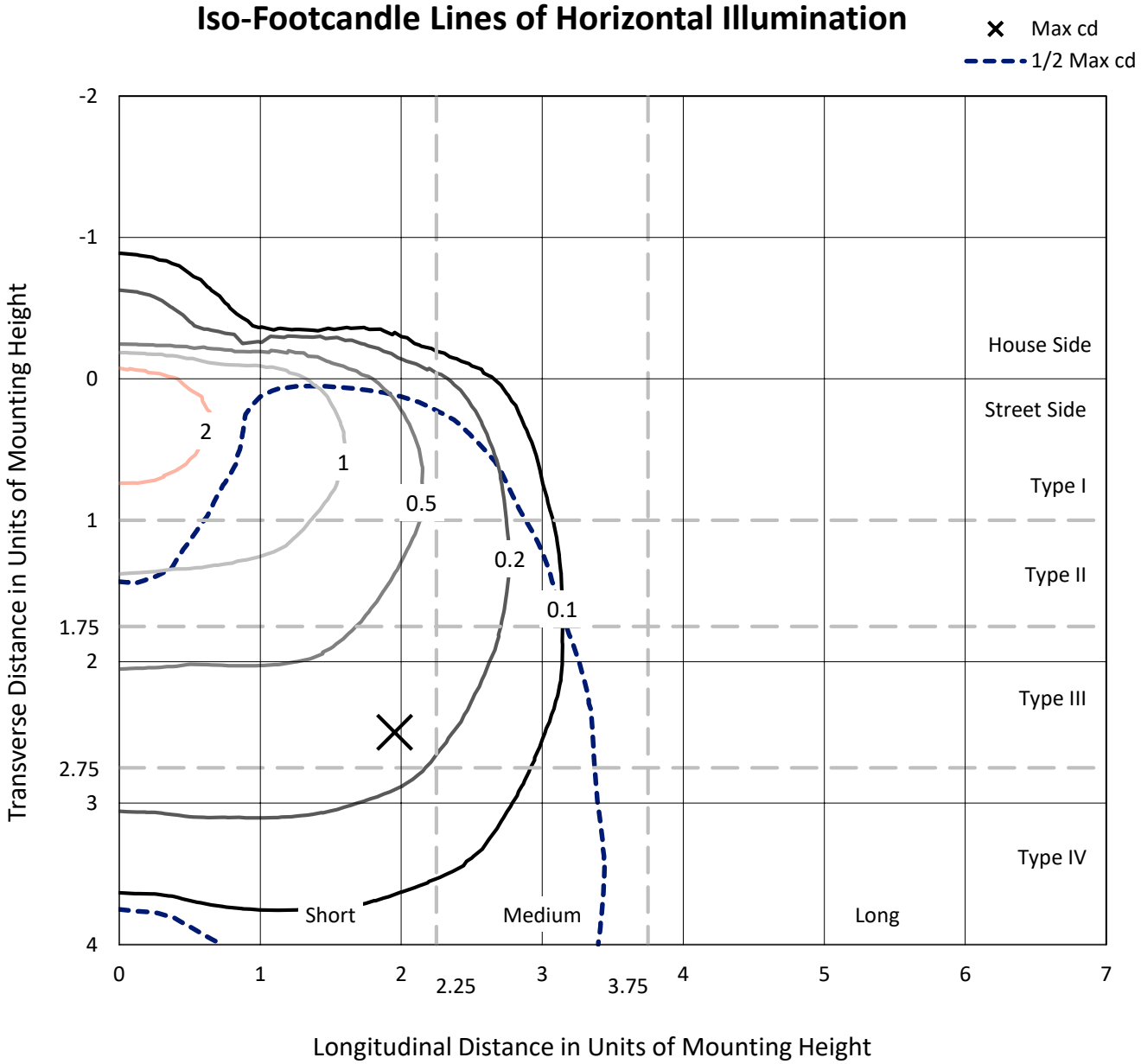
Scaled Data Report

REPORT NUMBER: P324006
CATALOG NUMBER: GLEON-SA2C-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - N/A

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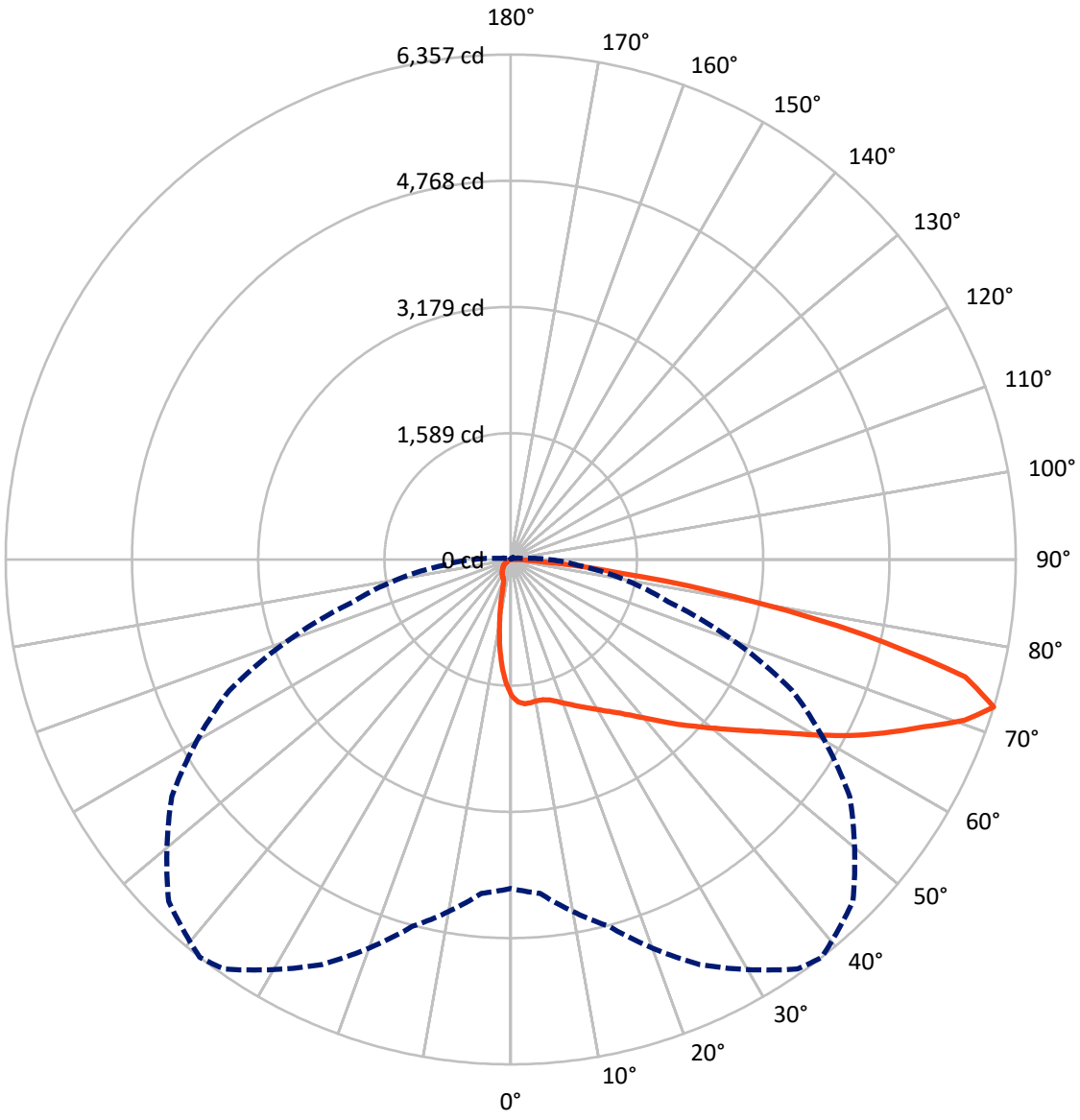
Luminous Intensity Polar Plot



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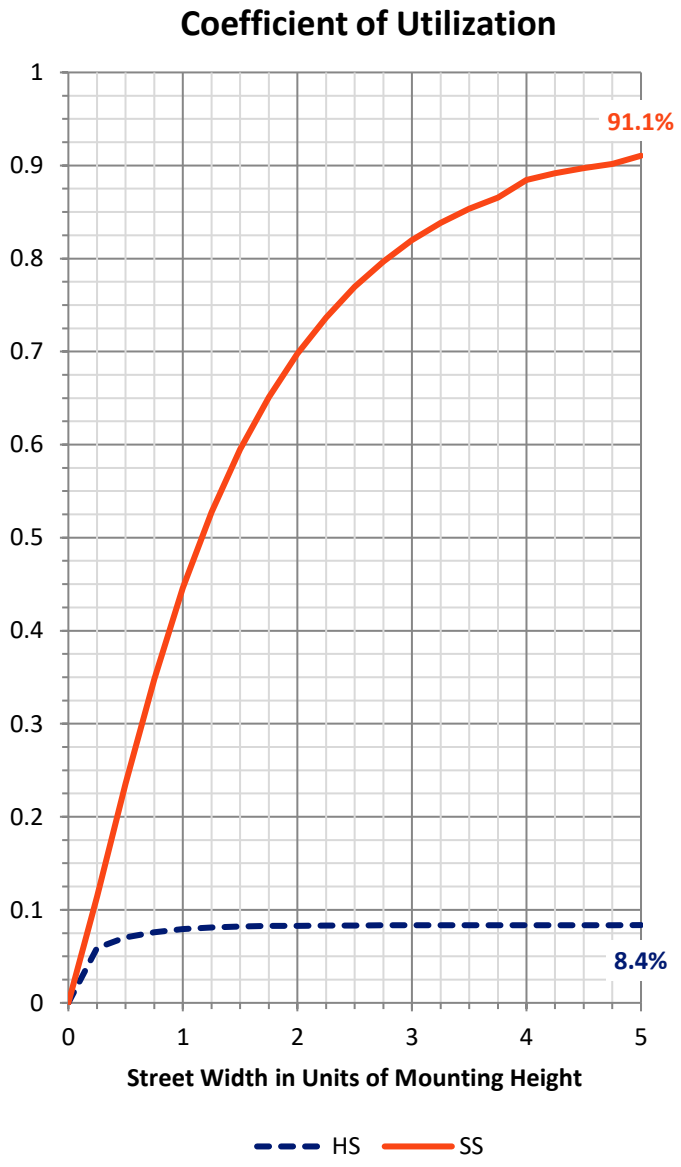
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	785.4	0.0	785.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	8547.6	0.0	8547.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	9333.0	0.0	9333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	1.6
10°-20°	357.6	3.8
20°-30°	568.8	6.1
30°-40°	855.2	9.2
40°-50°	1304.6	14.0
50°-60°	1843.9	19.8
60°-70°	2312.8	24.8
70°-80°	1729.3	18.5
80°-90°	214.4	2.3
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°	9333.0	100.0
0°-180°	9333.0	100.0



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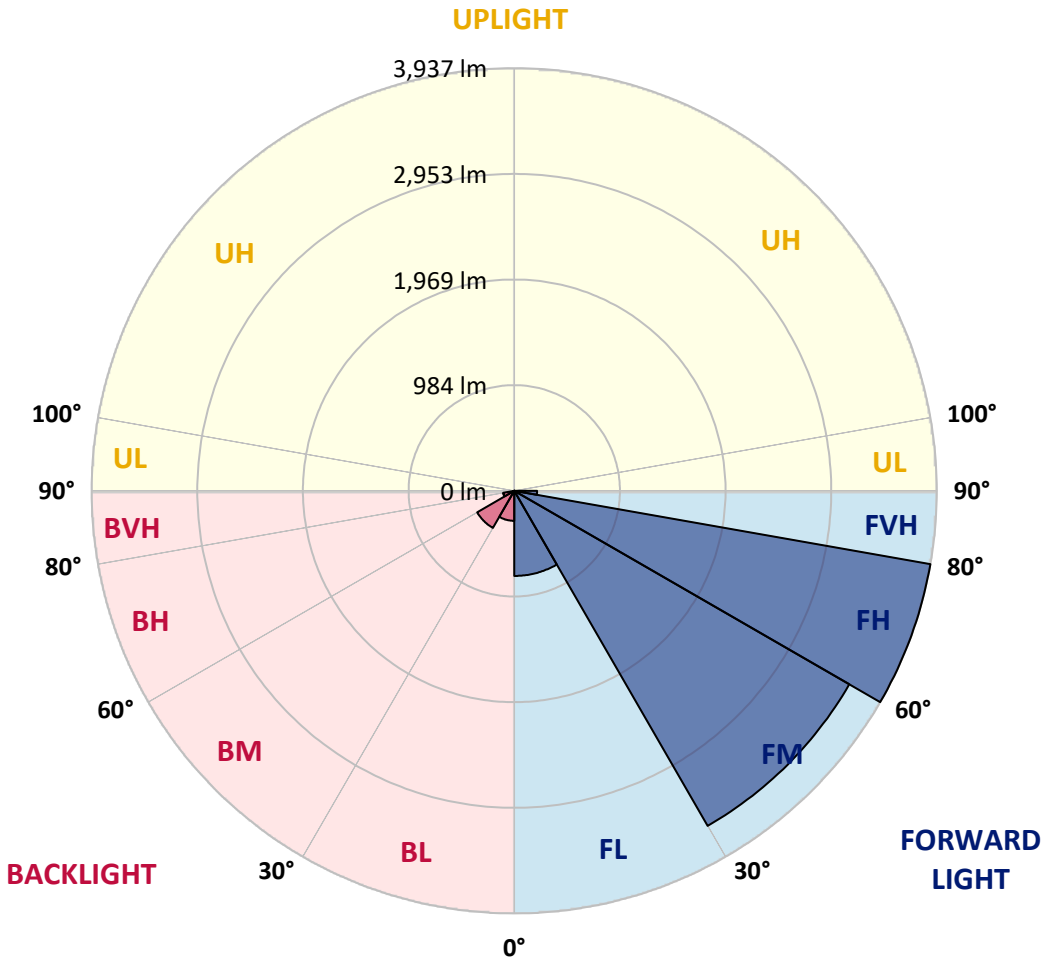
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	793.1	8.5			
FM	(30°-60°)	3604.8	38.6			
FH	(60°-80°)	3937.3	42.2			G2/5000
FVH	(80°-90°)	212.4	2.3			G2/225
BL	(0°-30°)	279.7	3.0	B1/500		
BM	(30°-60°)	398.8	4.3	B1/1000		
BH	(60°-80°)	104.9	1.1	B0/110		G0/110
BVH	(80°-90°)	2.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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REPORT NUMBER: P324006
CATALOG NUMBER: GLEON-SA2C-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1716.3	1716.3	1716.3	1716.3	1716.3	*1716.3*	1716.3	1716.3	1716.3	1716.3	1716.3
2.5°	1821.7	1822.1	1817.9	1810.9	1802.0	*1797.3*	1789.6	1777.2	1764.0	1740.3	1714.8
5°	1858.9	1858.9	1853.5	1844.2	1829.9	*1825.6*	1810.9	1791.1	1764.0	1725.6	1682.6
7.5°	1855.1	1855.8	1848.5	1838.8	1824.4	*1820.6*	1802.7	1780.7	1746.9	1700.4	1645.4
10°	1834.9	1836.9	1831.0	1826.4	1813.2	*1808.9*	1792.3	1770.2	1736.5	1686.9	1623.7
12.5°	1814.4	1816.3	1818.2	1822.5	1814.4	*1812.8*	1799.6	1781.0	1748.9	1697.3	1626.0
15°	1801.2	1805.1	1819.0	1835.7	1837.6	*1836.1*	1827.6	1810.1	1777.5	1724.1	1642.7
17.5°	1801.2	1807.4	1836.5	1868.2	1879.5	*1880.7*	1873.3	1848.9	1810.1	1752.7	1658.2
20°	1816.3	1824.8	1870.2	1915.1	1933.8	*1933.8*	1919.4	1885.3	1840.0	1778.7	1668.6
22.5°	1855.1	1866.3	1923.3	1975.2	1995.0	*1990.7*	1971.4	1921.7	1871.0	1808.2	1681.8
25°	1931.4	1940.0	1999.3	2051.6	2063.6	*2053.9*	2029.5	1965.9	1910.5	1848.1	1705.8
27.5°	2029.9	2031.0	2092.3	2136.5	2129.1	*2122.5*	2091.9	2021.4	1967.5	1905.1	1747.3
30°	2138.0	2138.0	2191.9	2225.6	2203.1	*2197.7*	2167.1	2088.4	2040.3	1982.6	1806.2
32.5°	2242.7	2247.3	2291.1	2312.4	2287.2	*2281.8*	2252.0	2173.3	2137.2	2100.8	1898.1
35°	2343.8	2347.3	2388.8	2400.4	2376.4	*2377.9*	2356.6	2290.0	2276.4	2271.7	2036.5
37.5°	2441.9	2442.7	2484.9	2492.3	2480.3	*2493.5*	2495.4	2436.5	2461.7	2499.3	2231.4
40°	2531.4	2532.2	2574.1	2593.1	2613.6	*2630.7*	2645.8	2614.4	2697.7	2784.9	2463.6
42.5°	2603.1	2611.3	2664.4	2700.4	2754.7	*2787.3*	2828.3	2826.8	2978.7	3109.7	2744.2
45°	2666.3	2680.3	2754.3	2817.5	2910.5	*2962.5*	3026.8	3077.2	3295.0	3471.4	3028.3
47.5°	2749.7	2762.8	2847.3	2950.8	3074.9	*3143.1*	3249.7	3358.6	3642.7	3826.4	3305.9
50°	2867.1	2861.3	2944.6	3093.1	3252.4	*3341.9*	3493.9	3657.0	3987.7	4135.7	3469.1
52.5°	2992.3	2990.0	3051.6	3247.7	3461.7	*3566.3*	3767.1	3965.6	4317.5	4348.9	3543.9
55°	3147.3	3130.7	3182.6	3424.1	3710.1	*3822.5*	4059.0	4271.0	4580.3	4469.1	3581.5
57.5°	3309.7	3282.2	3331.8	3620.6	3990.4	*4123.3*	4382.2	4568.7	4755.1	4551.2	3581.1
60°	3477.6	3445.0	3503.9	3866.3	4338.4	*4492.3*	4732.6	4769.8	4918.3	4592.7	3554.7
62.5°	3617.9	3598.5	3686.1	4129.1	4727.2	*4878.4*	4997.4	4952.8	5055.9	4624.9	3493.1
65°	3766.3	3767.5	3909.0	4435.7	5140.4	*5242.3*	5252.4	5190.0	5171.0	4618.3	3284.6
67.5°	3967.1	3985.7	4221.8	4852.0	5542.3	*5621.0*	5620.2	5447.0	5255.1	4356.3	2822.1
70°	4179.5	4223.3	4582.2	5328.4	5981.1	*6061.0*	6019.9	5610.6	4948.1	3522.5	1997.3
72.5°	*4143.9*	*4219.8*	*4782.6*	*5628.8*	*6296.2*	*6357.1*	*6090.0*	*5208.6*	*3910.9*	*2047.3*	*850.4*
75°	3197.0	3284.9	4385.3	5331.1	5965.6	*5911.0*	5232.6	4053.2	2137.2	571.3	191.5
77.5°	1688.8	1735.7	2896.9	4061.3	4651.6	*4537.3*	3686.1	2248.5	651.6	141.5	86.0
80°	884.5	895.4	1262.4	2304.3	2871.0	*2871.8*	2184.5	987.6	268.6	72.5	57.8
82.5°	473.7	483.0	667.1	1064.7	1504.3	*1363.6*	836.4	543.4	156.2	41.1	55.4
85°	114.0	115.9	378.3	486.4	591.5	*422.5*	248.5	456.2	42.2	24.0	45.0
87.5°	43.8	44.6	140.3	210.5	150.8	*97.7*	116.3	170.2	5.4	9.3	7.0
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: P324006
CATALOG NUMBER: GLEON-SA2C-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1716.3	1716.3	1716.3	1716.3	1716.3	1716.3	1716.3	1716.3	1716.3	1716.3	1716.3
2.5°	1699.3	1689.2	1664.4	1633.0	1605.1	1584.9	1554.7	1534.9	1521.7	1521.3	1516.3
5°	1656.2	1635.7	1582.2	1518.6	1460.9	1408.9	1347.7	1299.2	1263.2	1257.4	1245.0
7.5°	1610.1	1576.4	1494.2	1395.0	1298.1	1199.6	1085.3	1014.4	953.5	924.4	921.3
10°	1581.8	1534.5	1417.9	1274.4	1122.5	962.4	812.8	709.3	634.5	613.2	597.3
12.5°	1576.0	1513.6	1358.9	1161.3	944.2	732.6	567.1	457.0	397.3	378.3	373.3
15°	1581.8	1503.9	1309.3	1049.2	763.6	519.8	380.6	316.7	294.2	288.8	288.4
17.5°	1585.3	1492.3	1253.1	924.8	588.4	371.3	291.5	272.9	269.4	269.0	269.8
20°	1584.9	1474.4	1186.1	786.1	437.6	291.9	263.6	259.7	258.9	259.3	258.9
22.5°	1582.2	1453.5	1112.4	643.0	330.6	260.9	251.6	249.2	248.8	248.8	248.8
25°	1587.2	1436.8	1031.4	506.2	272.5	246.5	240.7	238.8	238.4	238.4	237.6
27.5°	1605.5	1427.5	942.7	389.5	246.1	233.7	229.1	228.7	227.5	227.1	227.9
30°	1634.9	1427.5	845.4	303.1	230.2	220.5	217.1	216.3	215.9	215.5	215.9
32.5°	1686.9	1438.4	739.2	251.9	215.1	205.8	203.5	204.7	203.5	203.5	203.5
35°	1780.7	1471.0	627.9	219.8	199.2	191.5	189.2	190.7	189.9	189.9	189.5
37.5°	1917.5	1531.4	515.9	200.4	185.3	177.1	174.0	176.4	175.6	175.6	175.2
40°	2084.1	1619.4	409.3	185.7	171.7	163.2	160.5	161.6	159.7	159.7	160.5
42.5°	2290.0	1731.0	316.3	171.3	158.1	150.0	148.5	147.3	143.8	141.9	142.3
45°	2518.6	1847.3	246.5	157.4	145.4	138.8	136.4	133.3	127.5	123.6	124.0
47.5°	2722.9	1936.9	200.4	143.8	133.7	128.7	125.2	119.4	110.9	106.2	106.6
50°	2830.3	1950.4	170.5	130.2	122.9	117.8	112.8	103.9	93.8	88.8	88.4
52.5°	2857.8	1886.9	148.5	117.8	112.0	106.2	99.6	87.6	76.4	70.9	70.2
55°	2867.9	1790.0	128.7	106.2	100.4	93.8	85.3	71.7	61.2	55.8	55.4
57.5°	2834.5	1645.4	113.2	95.7	88.8	80.6	70.2	57.4	47.3	43.0	43.0
60°	2760.5	1449.6	101.2	84.5	76.7	67.4	56.6	44.6	35.3	31.8	31.8
62.5°	2612.8	1196.1	89.9	72.9	65.5	55.8	45.7	33.7	24.8	22.9	23.3
65°	2334.1	907.4	78.7	62.4	55.8	46.1	35.7	24.0	16.7	16.7	17.4
67.5°	1903.5	630.2	67.1	53.1	48.1	37.6	27.1	16.7	11.6	13.2	14.7
70°	1260.1	353.5	57.4	43.8	41.1	29.8	20.2	11.2	9.3	12.4	15.1
72.5°	*475.6*	*137.6*	*48.1*	*35.3*	*35.7*	*22.9*	*14.3*	*8.5*	*8.5*	*13.6*	*17.8*
75°	132.6	67.4	34.5	26.0	27.9	16.7	10.5	7.4	8.1	15.5	20.9
77.5°	77.9	49.6	22.5	15.1	19.0	11.6	7.0	5.8	7.0	13.2	20.2
80°	62.8	26.4	13.2	7.8	10.5	6.6	4.7	3.5	1.9	5.0	10.5
82.5°	62.8	15.9	6.2	5.4	5.4	3.5	2.3	1.6	0.4	0.0	2.7
85°	42.2	6.6	3.9	3.5	2.7	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	7.0	2.7	1.6	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
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

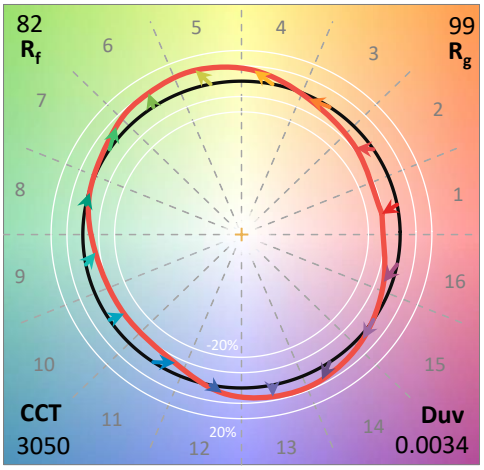
Test Information

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

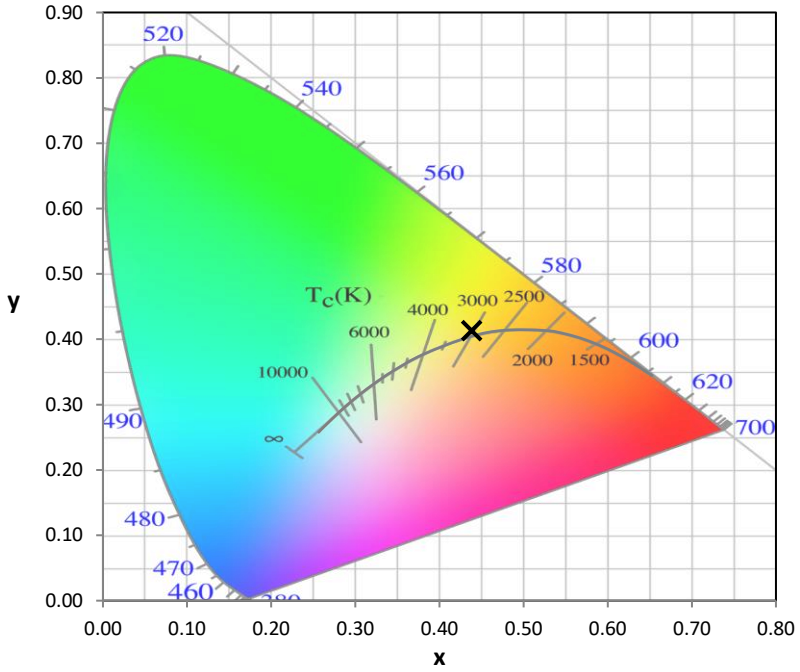
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

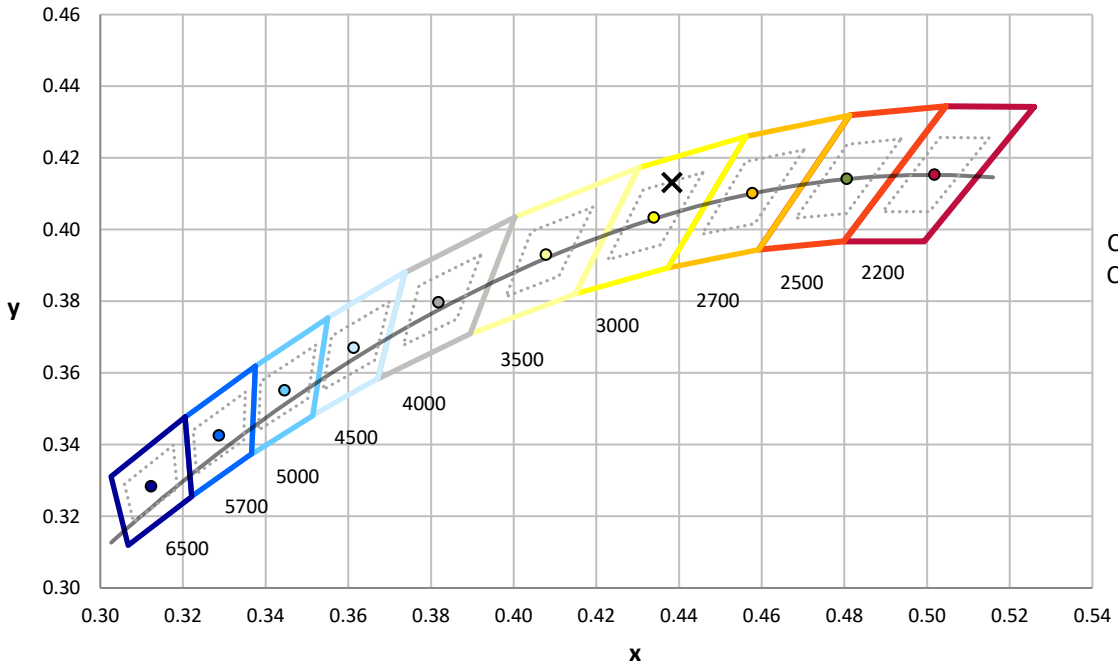
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

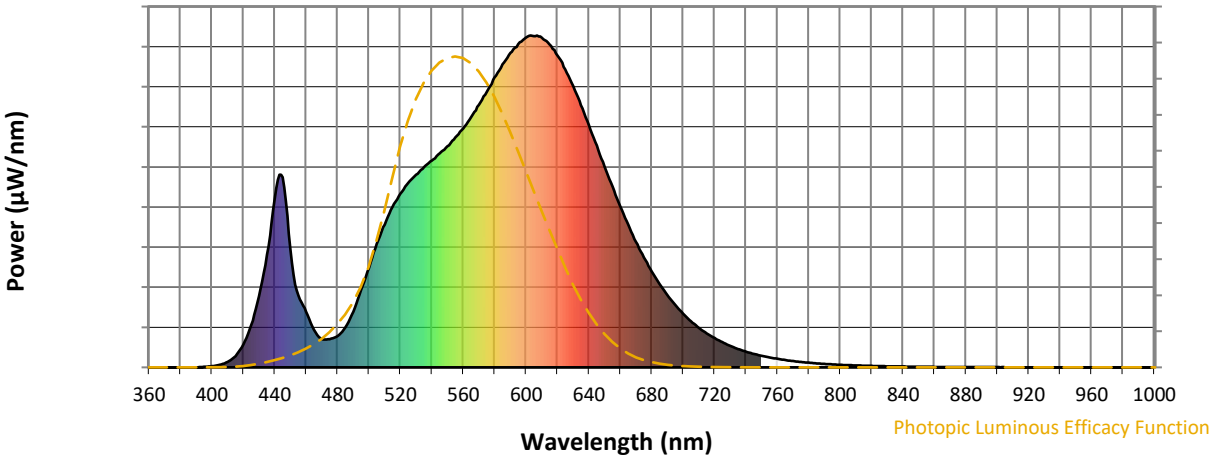


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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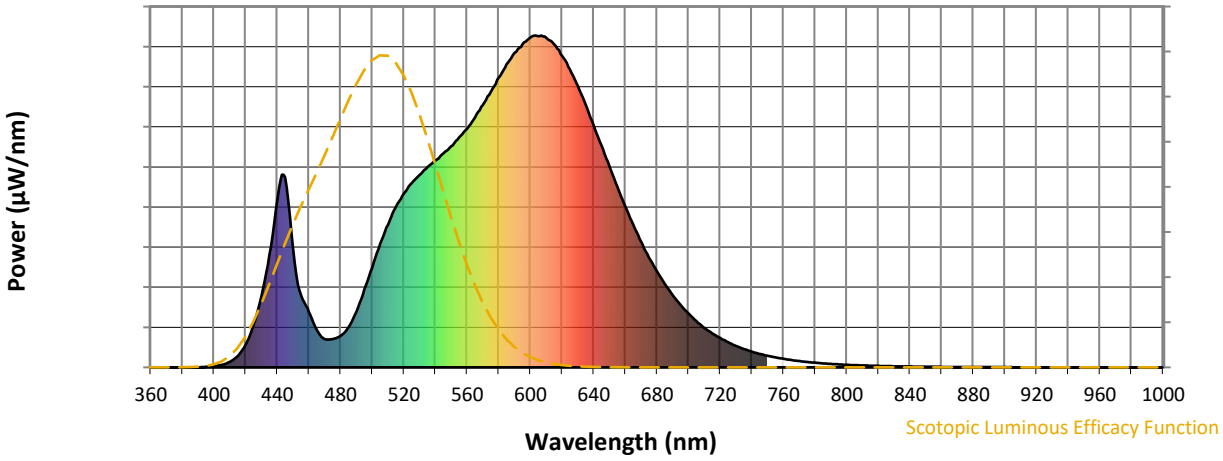
Scotopic Flux vs. Wavelength



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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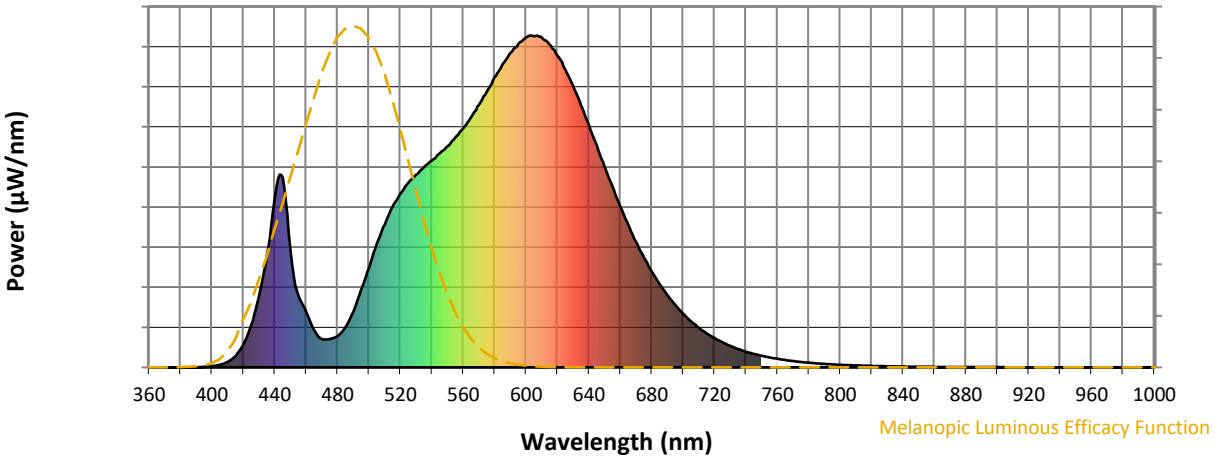
Melanopic Flux vs. Wavelength



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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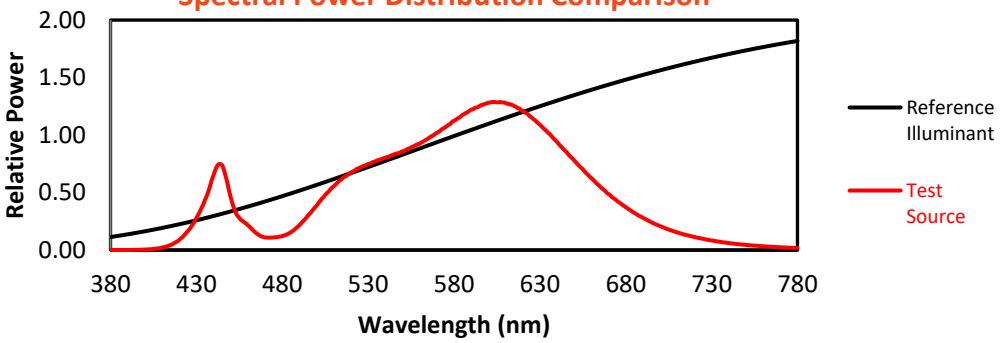
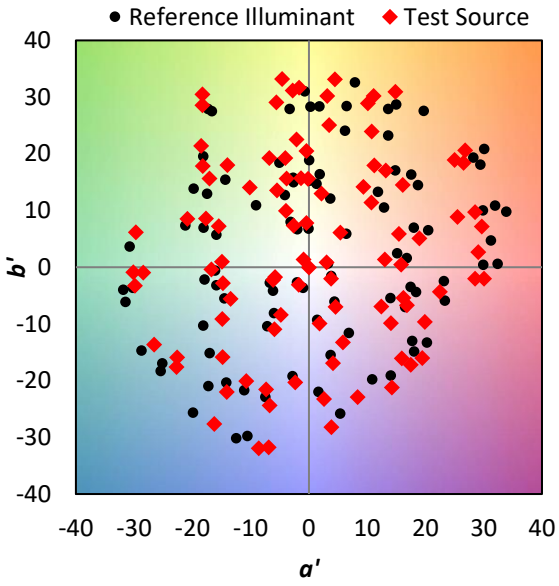
Summary

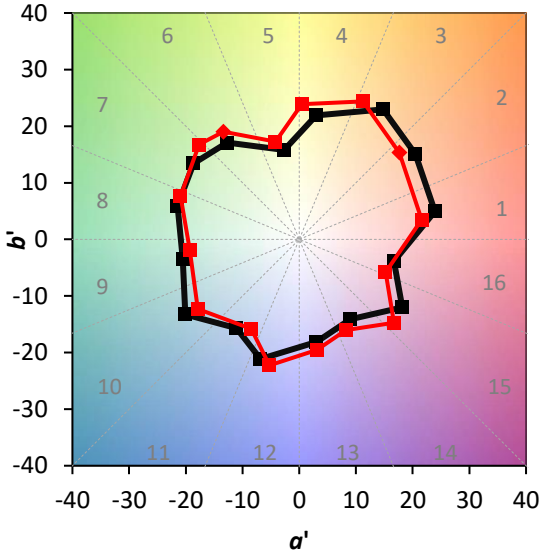
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

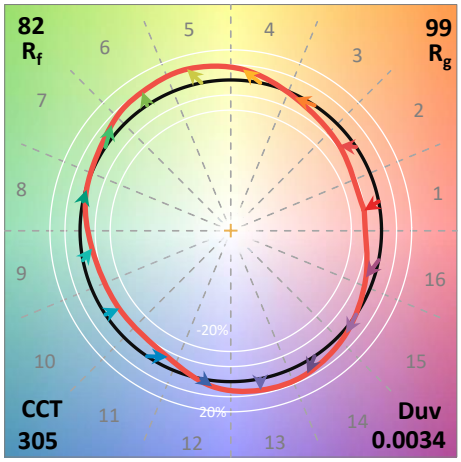
Spectral Power Distribution Comparison

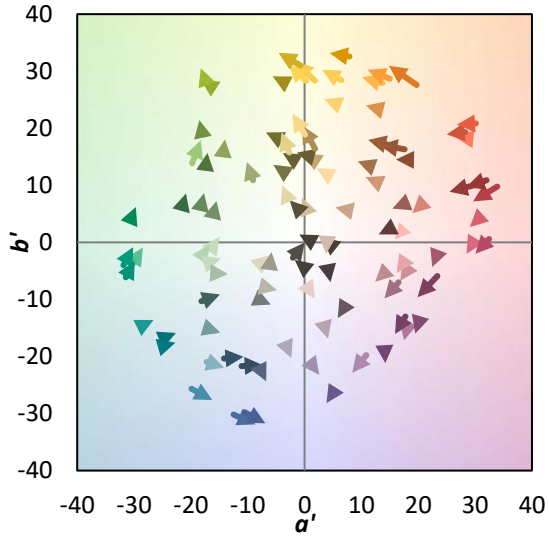


Color Vector Graphics









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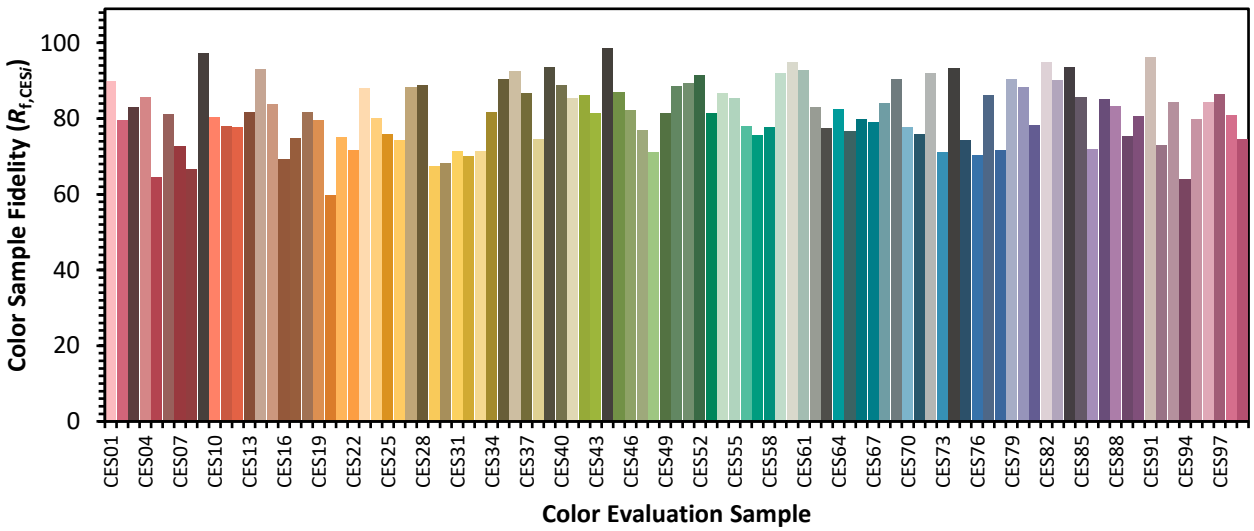
Individual Sample Fidelity Index ($R_{f,i}$)

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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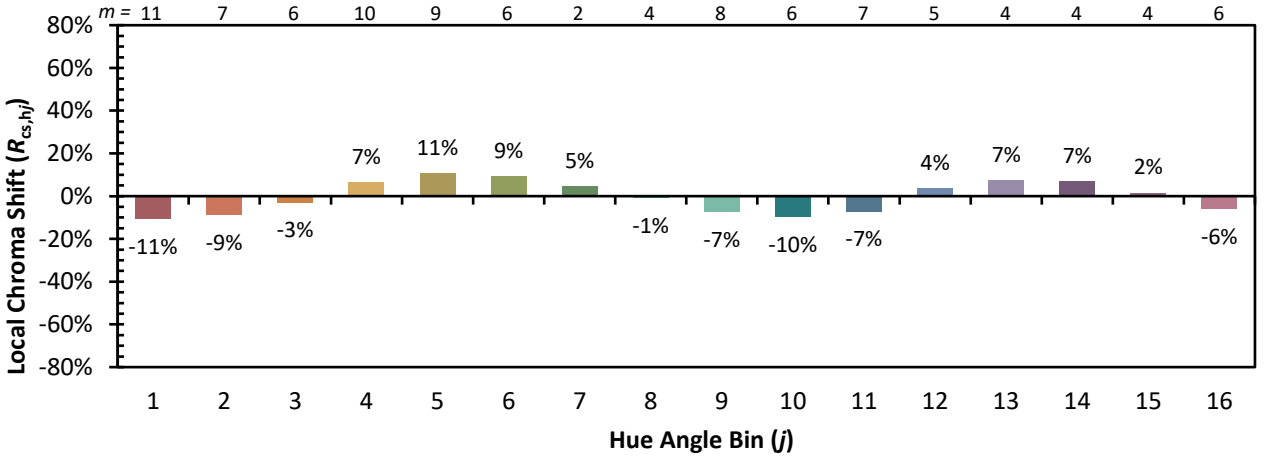
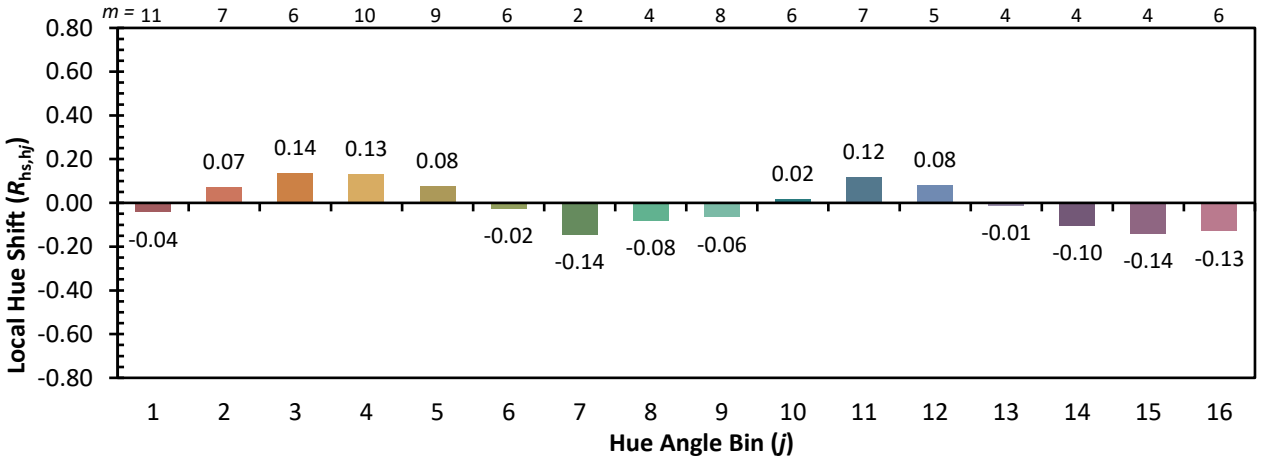
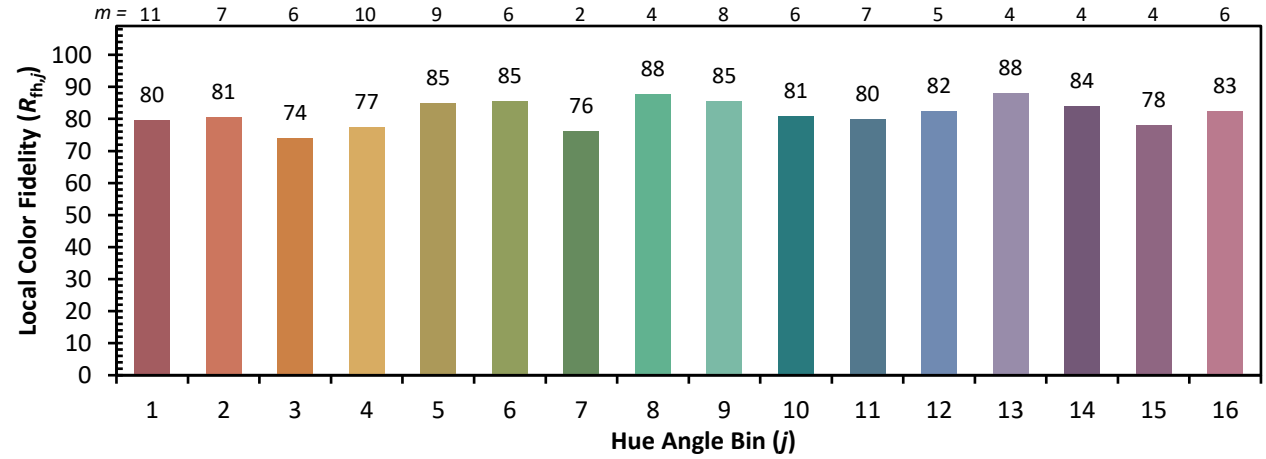
Color Rendition by Hue-Angle Bin







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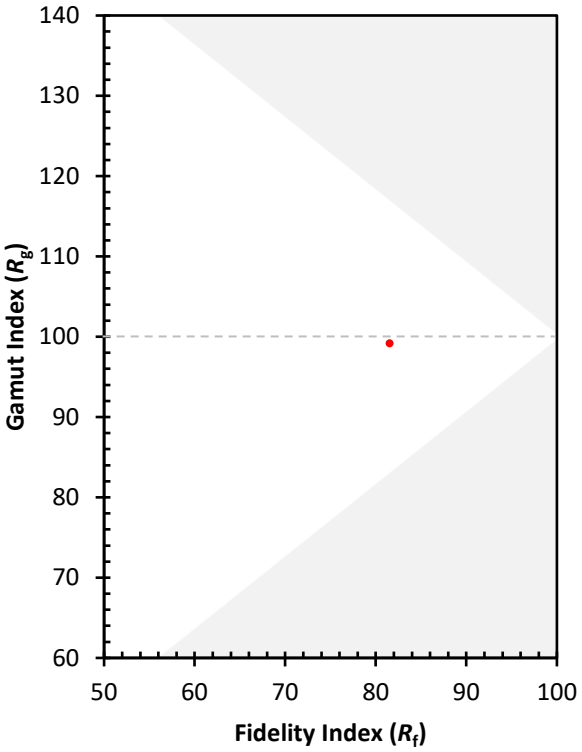
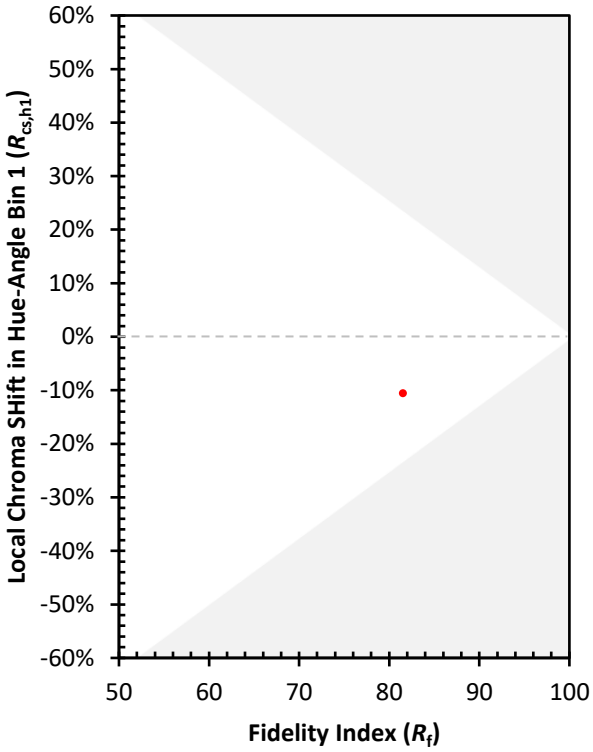
Measure Comparisons





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