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: P319826

Luminaire Tested: **GLEON-SA2A-830-U-SL3**

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:	P319826
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2A-830-U-SL3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7578 lumens
Efficiency:	N/A
Efficacy:	114.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
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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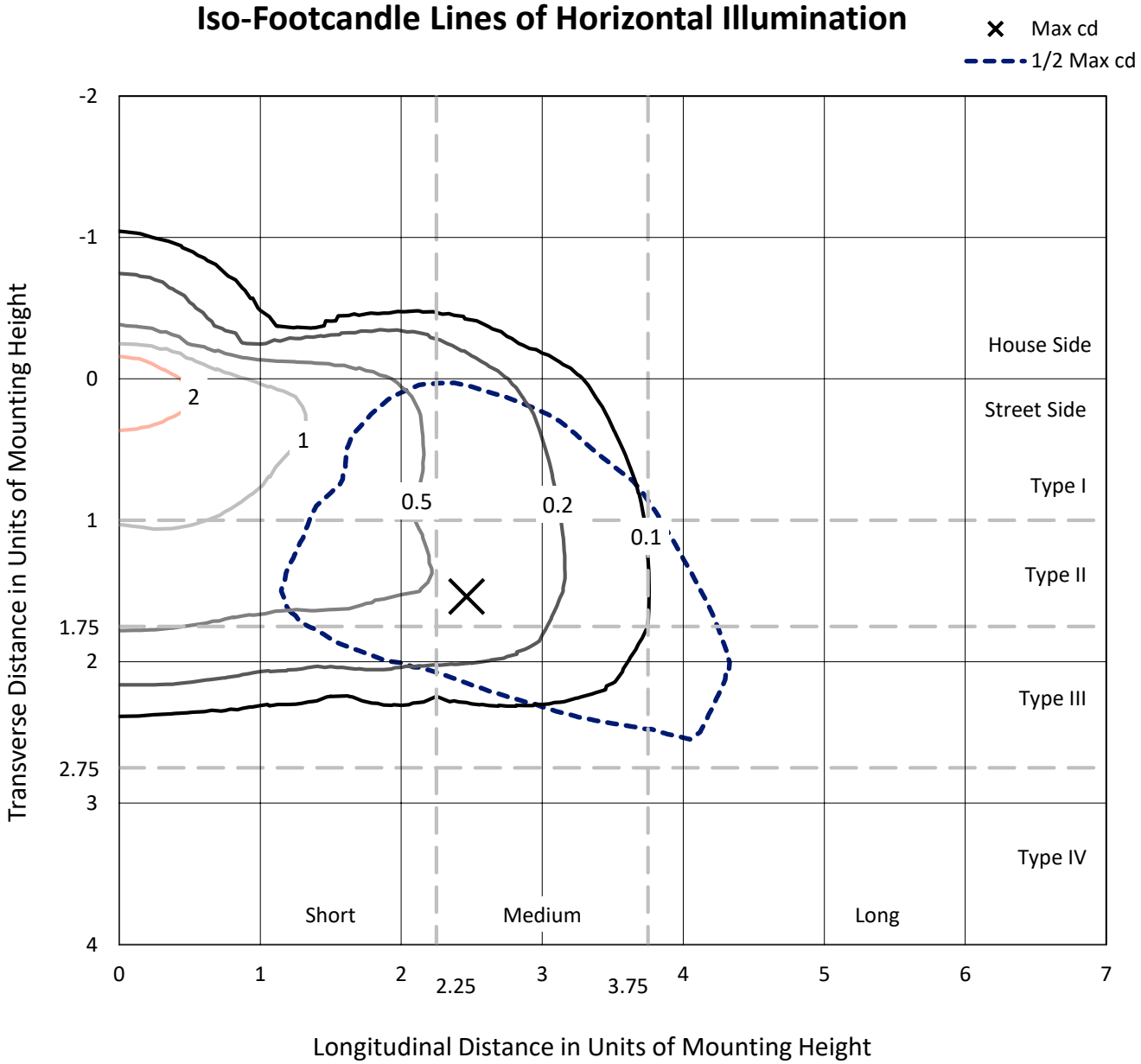
REPORT NUMBER: P319826
CATALOG NUMBER: GLEON-SA2A-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Medium - N/A

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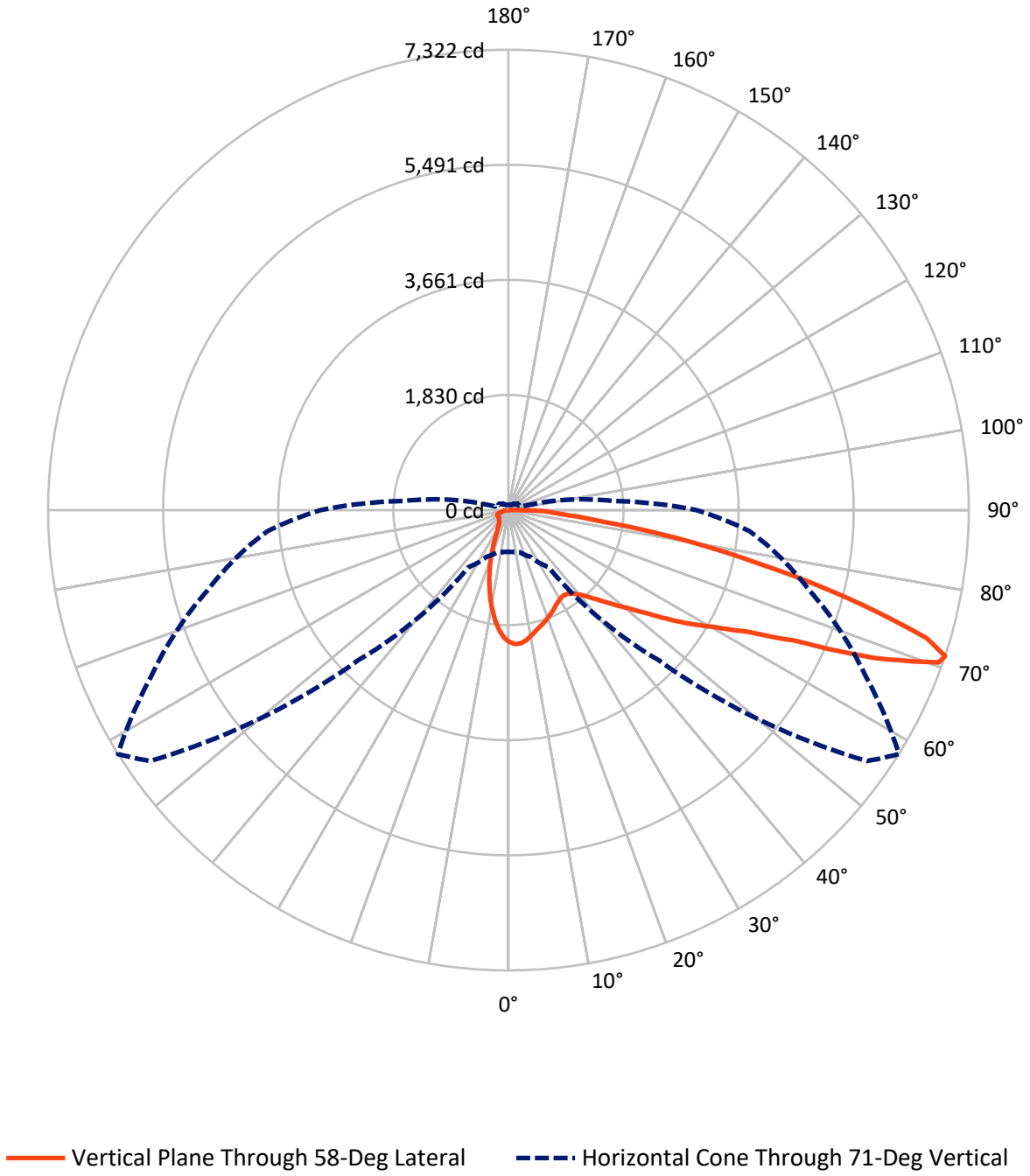
Luminous Intensity Polar Plot



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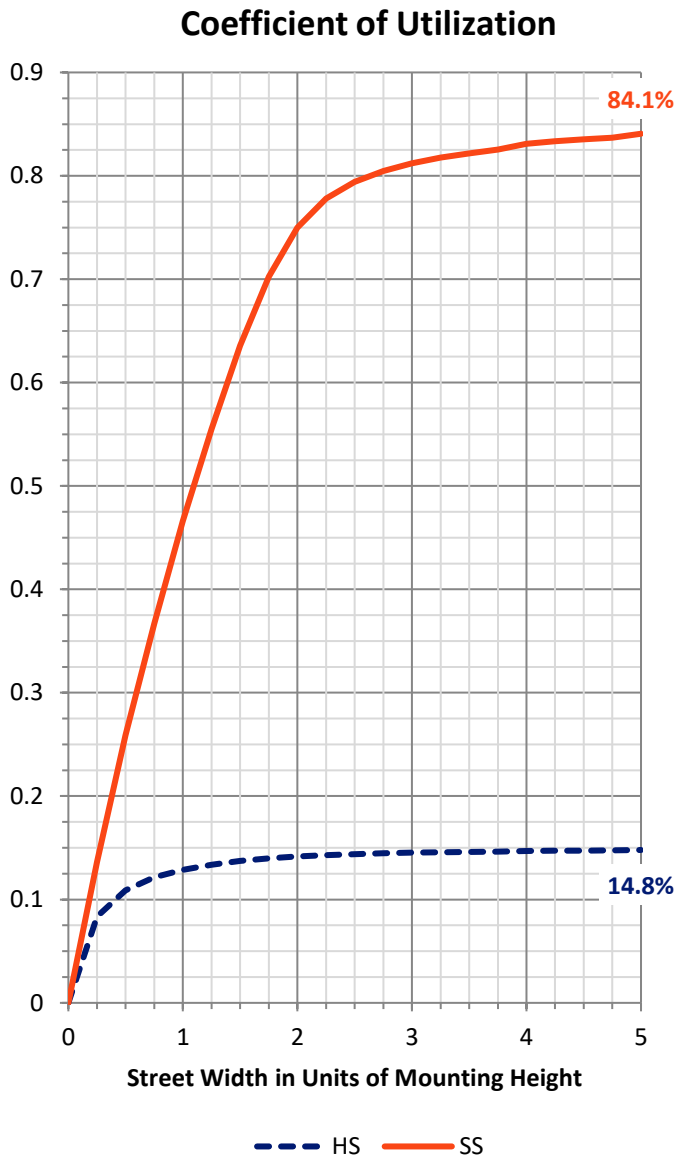
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1133.0	0.0	1133.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	6445.0	0.0	6445.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	7578.0	0.0	7578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	2.4
10°-20°	402.8	5.3
20°-30°	511.9	6.8
30°-40°	652.0	8.6
40°-50°	924.6	12.2
50°-60°	1430.9	18.9
60°-70°	1948.0	25.7
70°-80°	1299.5	17.1
80°-90°	227.2	3.0
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°	7578.0	100.0
0°-180°	7578.0	100.0



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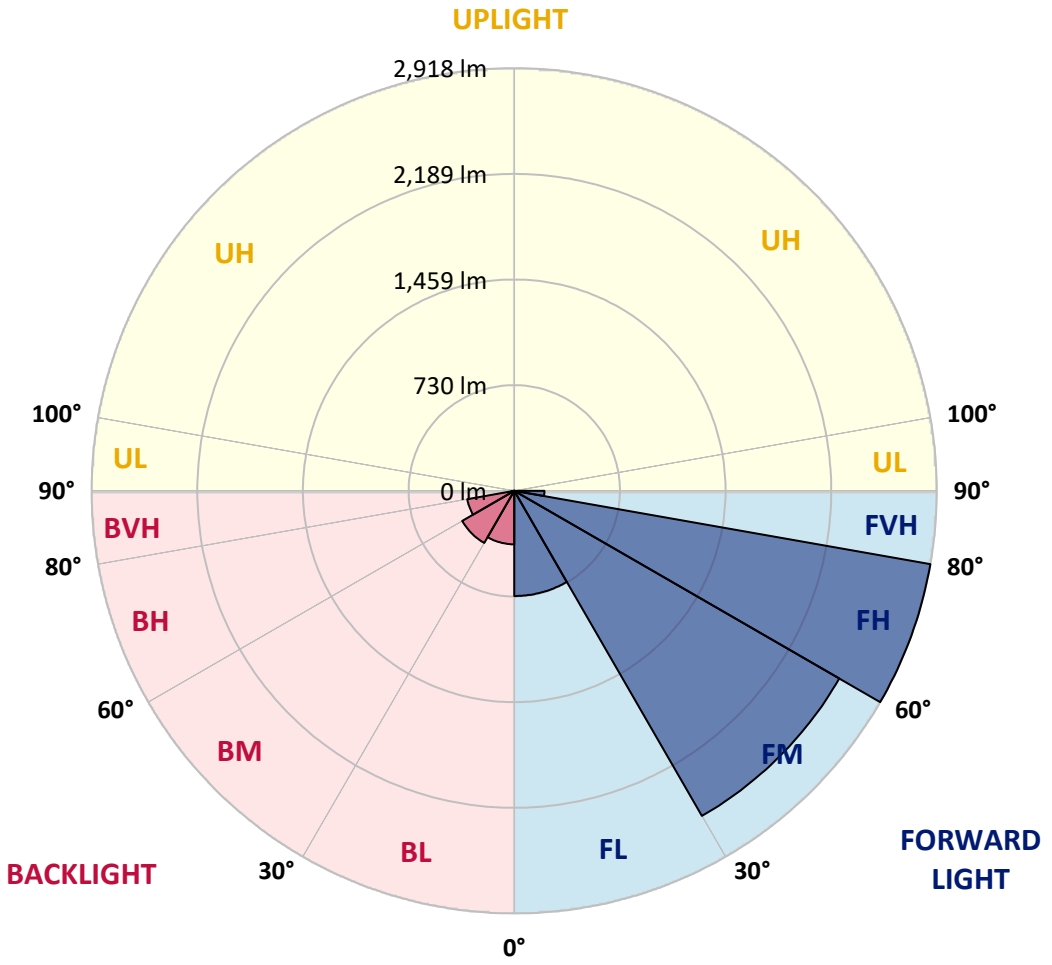
REPORT NUMBER: P319826
CATALOG NUMBER: GLEON-SA2A-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	726.5	9.6			
FM	(30°-60°)	2592.0	34.2			
FH	(60°-80°)	2918.2	38.5			G2/5000
FVH	(80°-90°)	208.3	2.7			G2/225
BL	(0°-30°)	369.3	4.9	B1/500		
BM	(30°-60°)	415.5	5.5	B1/1000		
BH	(60°-80°)	329.3	4.3	B1/500		G1/500
BVH	(80°-90°)	18.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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Scaled Data Report

REPORT NUMBER: P319826
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2099.6	2099.6	2099.6	2099.6	2099.6	2099.6	2099.6	*2099.6*	2099.6	2099.6	2099.6
2.5°	2155.3	2152.4	2153.5	2151.4	2146.3	2141.3	2133.9	*2135.2*	2125.0	2109.6	2090.6
5°	2114.7	2113.6	2121.5	2126.0	2129.7	2126.8	2124.7	*2127.3*	2112.3	2091.2	2058.2
7.5°	2029.4	2017.8	2027.8	2042.9	2057.1	2067.9	2082.2	*2084.0*	2074.5	2052.4	2009.1
10°	1908.2	1897.1	1911.9	1935.4	1963.9	1989.8	2018.6	*2023.9*	2025.7	2005.6	1953.1
12.5°	1782.6	1774.1	1788.9	1821.9	1869.2	1909.0	1955.0	*1962.9*	1979.2	1965.8	1901.4
15°	1670.1	1667.0	1684.9	1717.4	1771.8	1832.7	1899.0	*1913.5*	1941.2	1936.7	1861.0
17.5°	1573.0	1572.2	1585.9	1620.0	1680.2	1757.2	1843.3	*1867.8*	1909.0	1914.3	1827.7
20°	1500.7	1499.1	1508.6	1533.7	1595.7	1683.1	1783.1	*1816.9*	1876.3	1894.8	1793.4
22.5°	1461.9	1461.6	1461.9	1473.7	1524.4	1605.7	1724.5	*1765.7*	1844.4	1879.2	1755.4
25°	1455.3	1454.5	1448.7	1447.3	1476.1	1541.1	1666.4	*1711.8*	1814.0	1868.4	1719.2
27.5°	1472.4	1473.5	1465.8	1453.4	1459.2	1498.6	1616.0	*1664.6*	1789.7	1866.3	1694.2
30°	1508.1	1507.5	1500.9	1488.0	1476.6	1482.7	1580.1	*1628.7*	1773.3	1875.5	1677.0
32.5°	1547.4	1550.3	1549.0	1541.8	1525.0	1500.7	1569.3	*1616.8*	1768.6	1897.7	1669.6
35°	1594.6	1597.8	1607.3	1612.9	1593.1	1554.0	1592.5	*1633.7*	1782.3	1939.4	1681.5
37.5°	1639.5	1647.7	1674.4	1697.9	1681.0	1637.4	1654.3	*1683.6*	1824.8	2005.1	1713.4
40°	1691.3	1698.4	1741.9	1791.8	1789.2	1744.0	1753.8	*1773.3*	1899.8	2099.3	1771.2
42.5°	1742.2	1756.5	1819.5	1890.3	1910.6	1870.8	1886.3	*1896.6*	2005.4	2224.2	1872.1
45°	1810.0	1825.3	1913.0	1998.2	2045.8	2023.3	2048.1	*2052.1*	2138.2	2394.2	2018.6
47.5°	1912.7	1930.1	2032.3	2121.8	2194.4	2196.8	2237.7	*2236.1*	2303.9	2588.7	2203.1
50°	2072.7	2097.8	2181.4	2265.1	2353.3	2402.4	2457.0	*2449.4*	2502.7	2796.0	2415.6
52.5°	2282.3	2293.9	2355.9	2417.7	2527.2	2637.3	2715.7	*2708.9*	2728.1	3009.0	2656.9
55°	2499.5	2508.2	2533.8	2567.6	2714.9	2894.4	3060.2	*3049.4*	3000.5	3230.2	2895.2
57.5°	2694.9	2712.5	2730.2	2744.2	2903.9	3163.1	3412.6	*3413.4*	3296.2	3468.8	3141.5
60°	2725.2	2740.8	2857.7	2968.1	3227.3	3521.6	3789.8	*3781.9*	3602.1	3727.8	3416.0
62.5°	2409.0	2444.1	2639.4	2933.0	3538.8	4177.3	4271.0	*4261.3*	3968.0	4046.9	3735.7
65°	1726.4	1766.2	2001.9	2443.0	3387.8	4899.8	5139.5	*5008.0*	4466.9	4439.4	4110.0
67.5°	996.0	1005.5	1107.6	1461.9	2579.5	4937.5	6464.3	*6280.4*	5241.6	4884.8	4293.2
70°	736.5	736.2	760.5	899.6	1395.9	4029.8	7094.4	*7259.4*	6057.3	5031.3	4034.2
71°	*666.0*	*666.8*	*694.0*	*818.8*	*1105.5*	*3373.0*	*6960.6*	*7321.7*	*6272.2*	*4958.9*	*3846.8*
72.5°	569.6	572.3	610.0	734.4	930.0	2326.1	6384.1	*6947.9*	6374.1	4780.5	3553.6
75°	432.1	438.2	490.5	619.0	850.0	1179.7	4685.5	*5548.1*	5662.4	4218.2	2640.5
77.5°	308.3	315.2	374.3	520.5	808.0	889.0	3137.8	*4046.9*	4167.0	2703.3	1191.0
80°	194.8	203.0	247.6	414.2	759.2	844.2	1971.9	*2720.2*	2272.2	865.0	303.0
82.5°	114.3	120.6	153.6	270.6	620.1	813.0	1160.1	*1507.8*	884.3	261.3	137.8
85°	66.3	69.2	95.8	172.4	450.3	767.4	852.4	*842.9*	383.8	127.8	65.2
87.5°	30.9	34.3	56.8	90.0	250.0	556.2	673.6	*582.1*	238.6	59.9	30.6
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: P319826
CATALOG NUMBER: GLEON-SA2A-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2099.6	2099.6	2099.6	2099.6	2099.6	2099.6	2099.6	2099.6	2099.6	2099.6	2099.6
2.5°	2081.4	2076.9	2058.2	2041.5	2024.1	2001.4	1976.3	1973.2	1957.9	1960.8	1955.5
5°	2040.2	2028.9	1983.7	1942.8	1894.5	1851.2	1804.2	1782.6	1751.4	1749.3	1741.4
7.5°	1981.4	1960.2	1890.3	1812.7	1735.1	1661.2	1588.0	1540.0	1490.9	1470.0	1468.2
10°	1915.1	1879.2	1776.3	1661.4	1549.5	1441.5	1337.0	1259.7	1190.0	1157.0	1155.7
12.5°	1852.3	1799.2	1658.0	1501.7	1348.6	1208.7	1065.4	963.8	876.4	847.1	834.7
15°	1799.0	1724.2	1542.9	1343.1	1157.2	963.0	799.8	692.9	612.1	584.2	578.9
17.5°	1747.2	1651.1	1424.9	1182.8	958.2	744.7	581.3	501.8	458.8	447.4	447.2
20°	1695.7	1575.9	1301.6	1018.9	765.8	557.0	446.9	411.3	396.7	395.4	393.3
22.5°	1637.4	1496.2	1172.0	854.5	597.6	437.9	379.9	365.6	363.7	368.5	368.5
25°	1582.8	1417.0	1040.6	693.4	464.9	365.3	339.2	336.3	341.3	349.8	350.6
27.5°	1531.8	1340.7	912.3	550.4	372.5	321.8	311.0	314.4	323.4	333.1	333.4
30°	1489.8	1268.6	787.7	433.7	314.7	289.3	287.5	294.3	304.1	311.7	313.6
32.5°	1457.4	1207.1	667.3	348.7	276.9	265.0	266.6	272.4	278.5	282.7	285.6
35°	1442.3	1154.3	556.2	294.1	252.9	246.3	248.4	251.6	254.2	257.4	259.7
37.5°	1445.0	1113.4	456.9	260.0	236.8	233.3	233.3	233.3	233.3	234.9	235.2
40°	1469.5	1089.9	376.2	238.4	226.0	222.3	219.4	216.7	214.6	215.7	215.1
42.5°	1532.3	1087.8	317.0	224.6	217.2	211.2	205.4	201.7	199.0	200.1	200.6
45°	1639.0	1114.2	277.2	214.9	209.1	199.8	192.4	188.5	186.6	190.1	190.6
47.5°	1777.0	1171.8	252.9	207.7	201.4	189.3	181.3	177.7	178.2	183.2	184.5
50°	1955.0	1265.2	241.3	203.3	196.1	180.3	172.1	168.9	170.5	177.7	179.2
52.5°	2150.3	1399.8	242.6	201.9	192.7	173.7	165.0	161.3	163.9	170.5	171.8
55°	2375.7	1561.6	264.5	203.8	187.7	169.5	159.2	152.8	155.0	161.0	162.1
57.5°	2626.2	1746.9	308.6	203.3	181.3	165.5	153.1	143.6	145.2	148.9	149.9
60°	2887.0	1970.8	376.9	204.8	178.4	160.8	144.9	133.0	132.5	135.7	136.2
62.5°	3200.1	2229.7	455.1	205.9	180.3	154.7	134.1	122.5	120.9	121.7	122.2
65°	3522.7	2417.2	425.8	201.7	186.1	149.7	124.6	112.2	109.3	108.8	109.0
67.5°	3532.7	2216.3	298.5	193.2	188.5	147.0	117.5	103.5	98.7	96.9	96.6
70°	3168.2	1800.5	232.6	184.3	179.0	142.8	110.9	96.3	89.2	86.3	86.1
71°	*2990.2*	*1657.5*	*220.4*	*179.8*	*171.8*	*138.6*	*108.0*	*93.2*	*85.8*	*82.6*	*82.1*
72.5°	2711.2	1485.9	205.6	172.6	158.1	127.8	102.4	88.7	81.0	77.3	76.6
75°	1945.7	971.7	176.6	153.9	130.9	101.9	89.7	79.7	73.1	68.6	68.1
77.5°	749.7	386.7	133.6	128.0	100.3	79.7	73.9	68.9	64.1	59.7	59.4
80°	231.8	172.9	97.4	96.3	72.6	59.4	57.5	56.2	54.4	49.6	48.6
82.5°	123.8	99.3	67.0	62.3	47.5	39.6	41.7	42.2	42.5	37.5	37.0
85°	59.1	52.5	37.7	35.4	27.7	22.2	25.6	27.7	28.0	23.0	21.4
87.5°	28.2	27.5	17.7	13.5	10.3	7.4	9.0	11.1	12.1	8.7	7.7
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

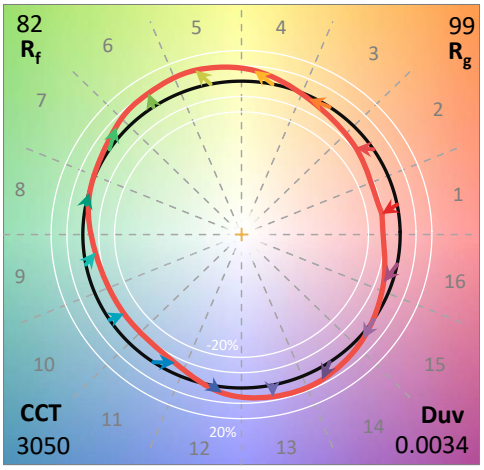
Test Information

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

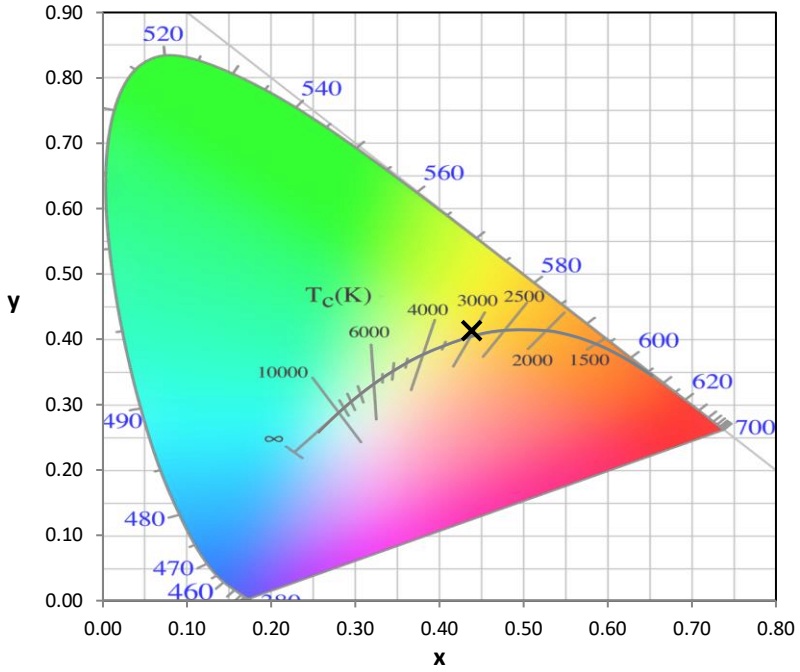
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

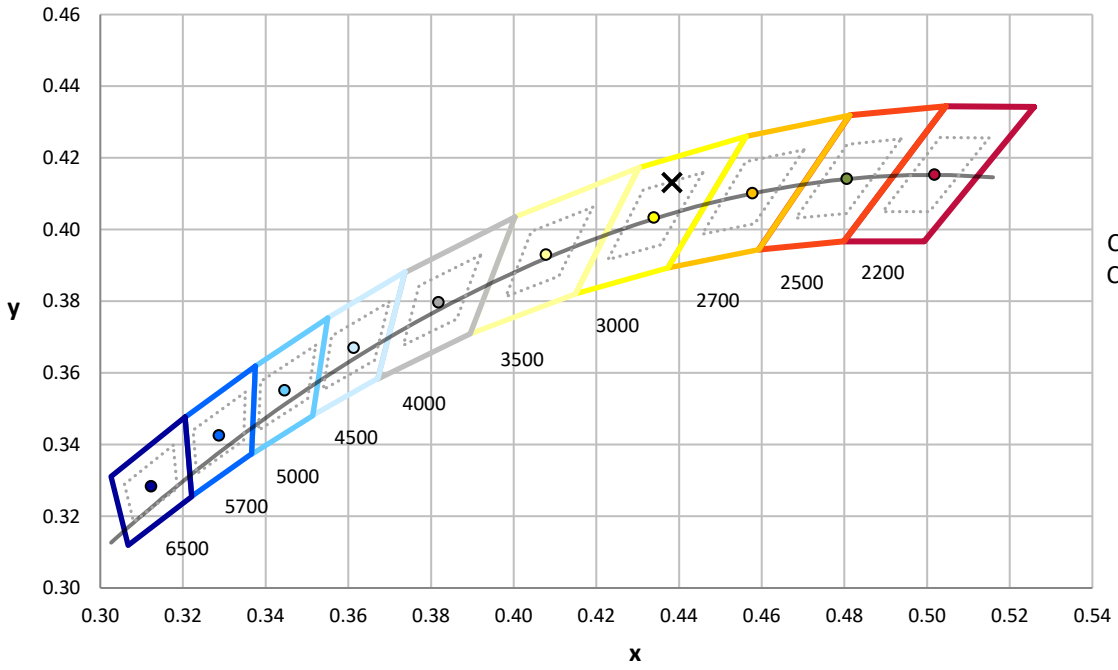
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

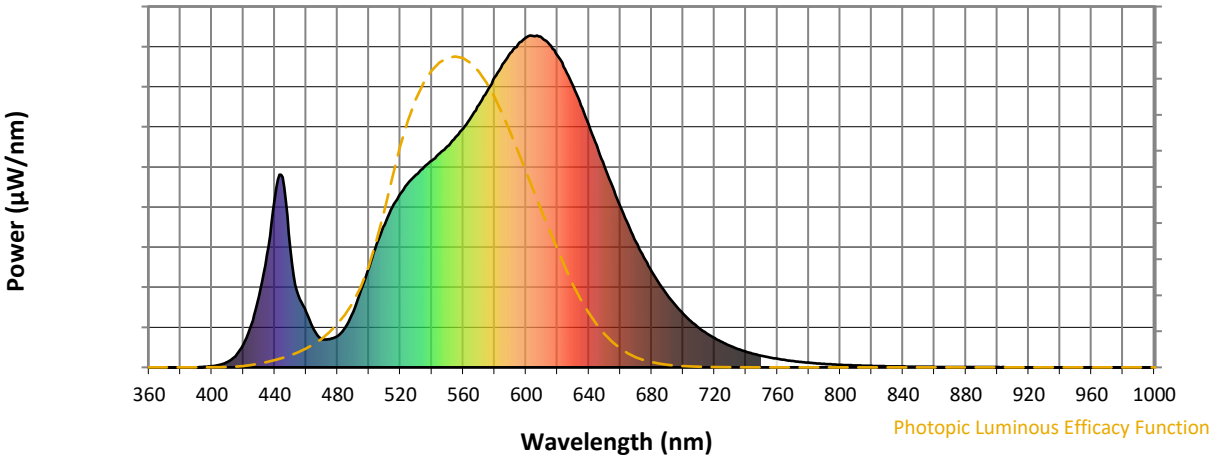


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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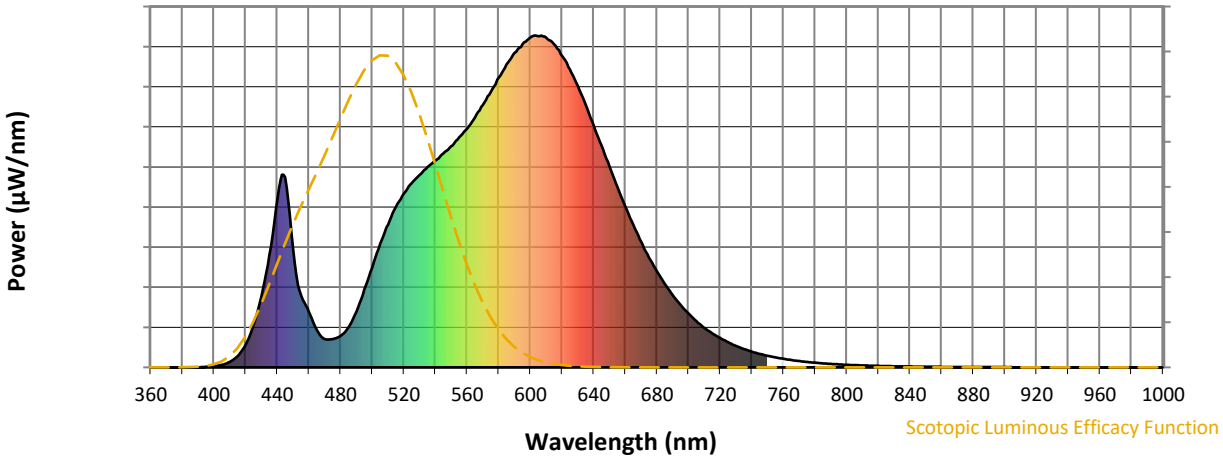
Scotopic Flux vs. Wavelength



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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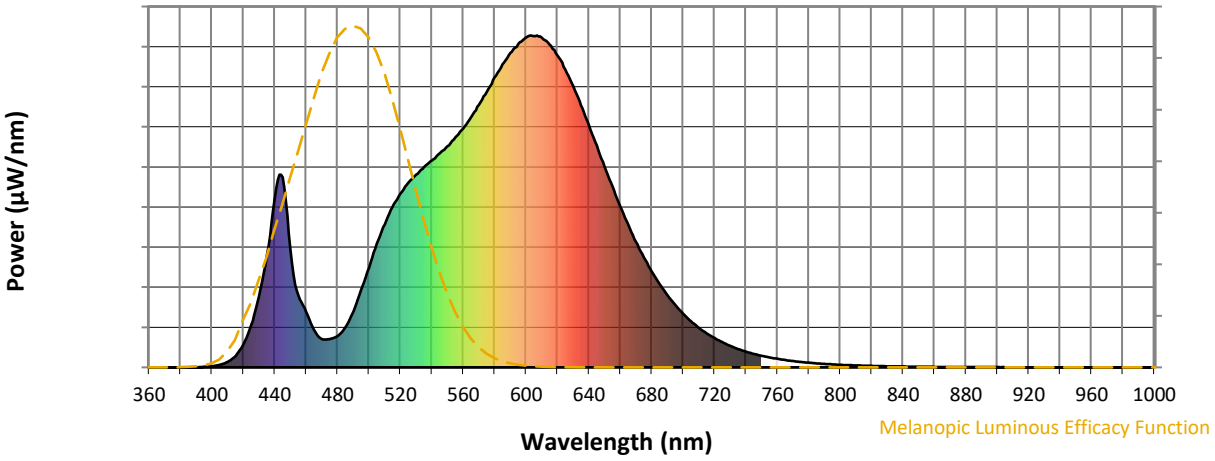
Melanopic Flux vs. Wavelength



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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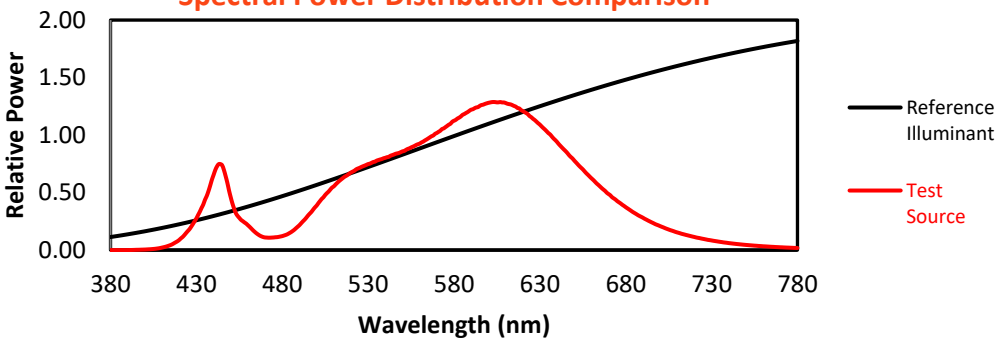
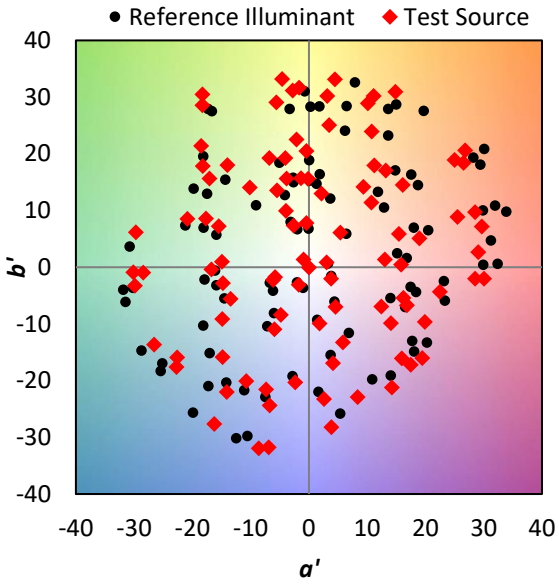
Summary

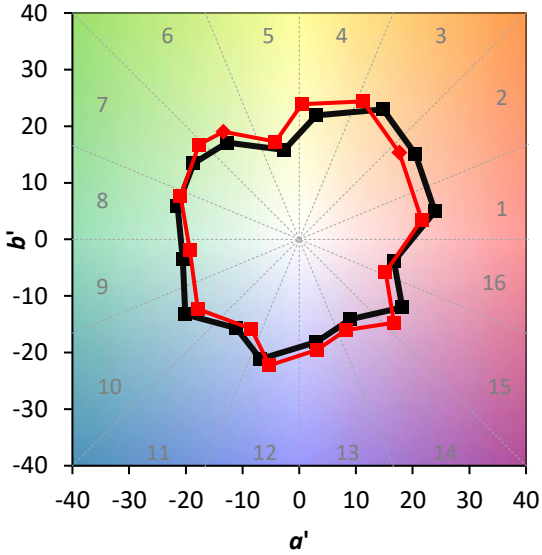
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

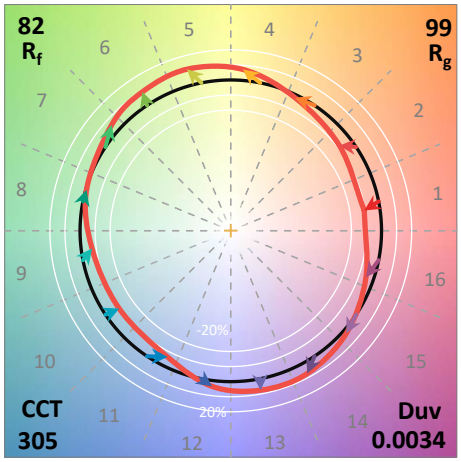
Spectral Power Distribution Comparison

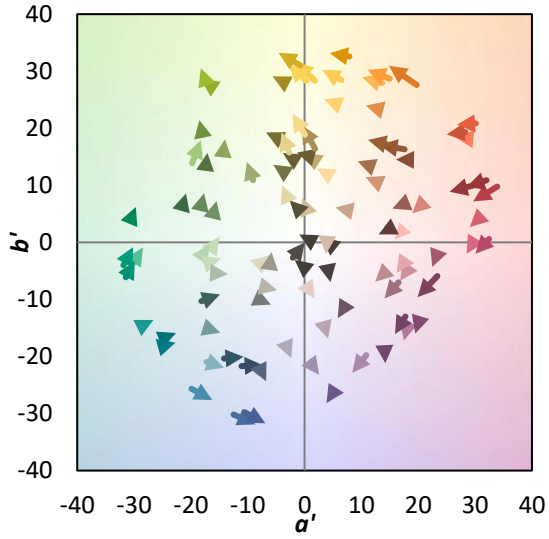


Color Vector Graphics









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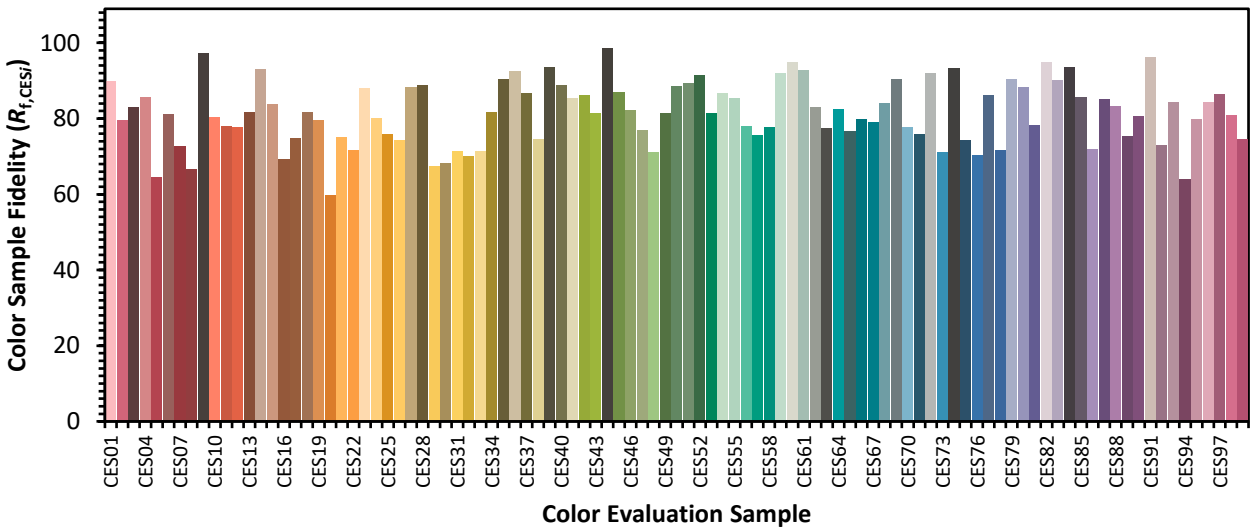
Individual Sample Fidelity Index ($R_{f,i}$)

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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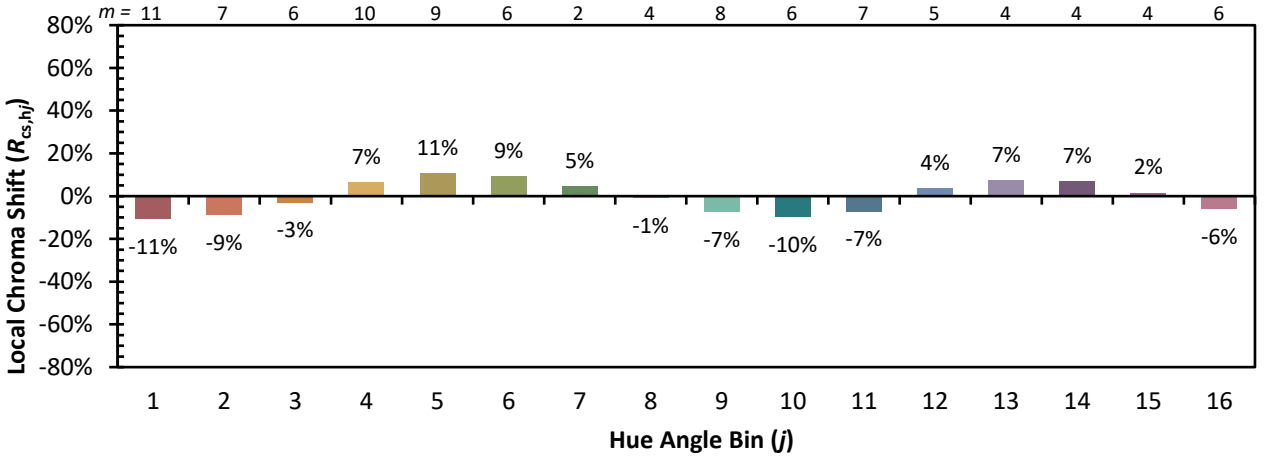
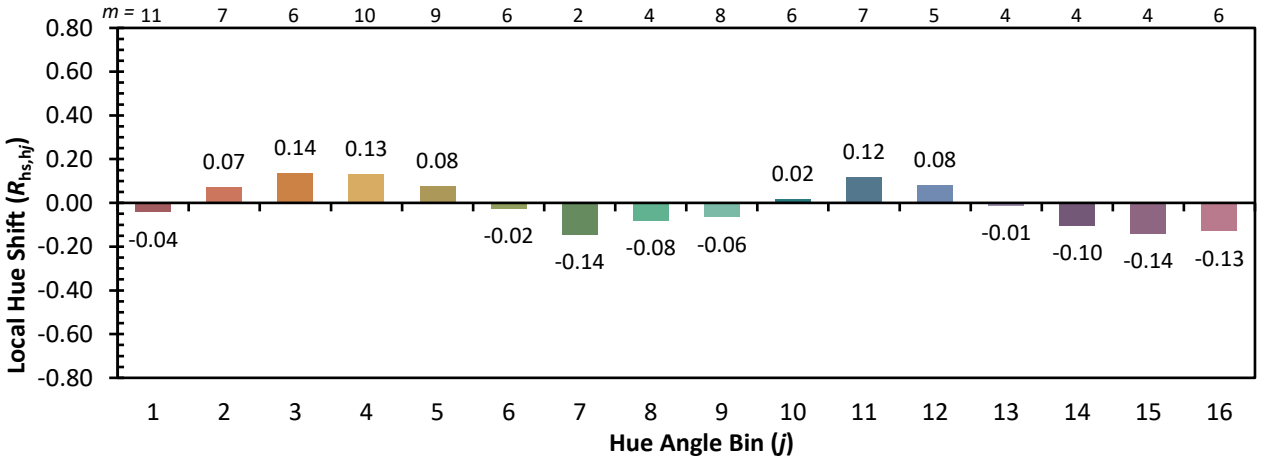
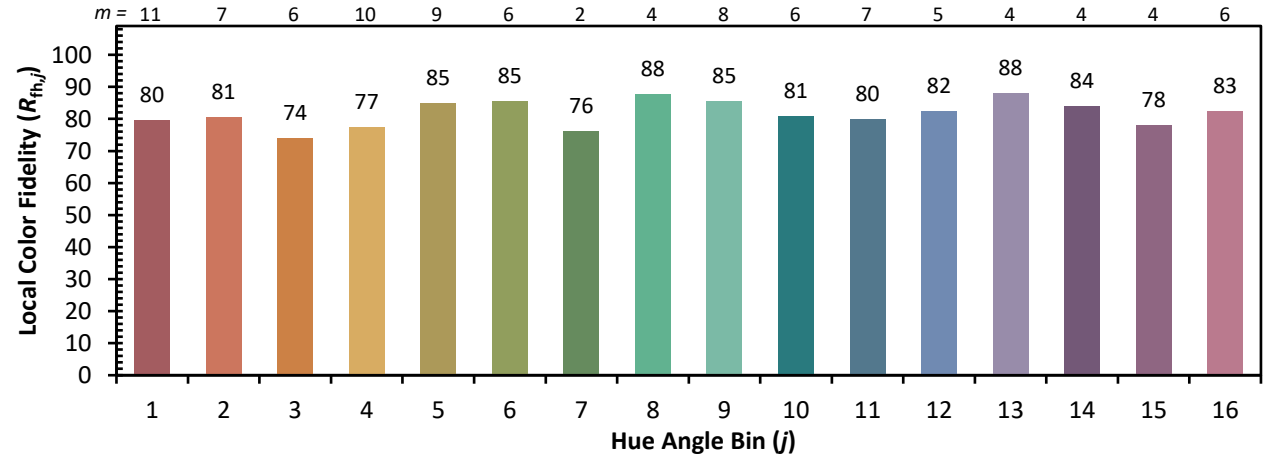
Color Rendition by Hue-Angle Bin







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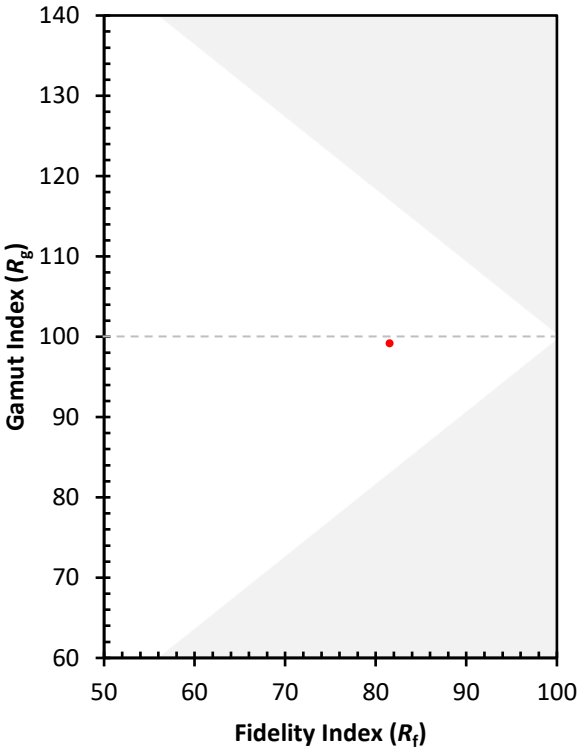
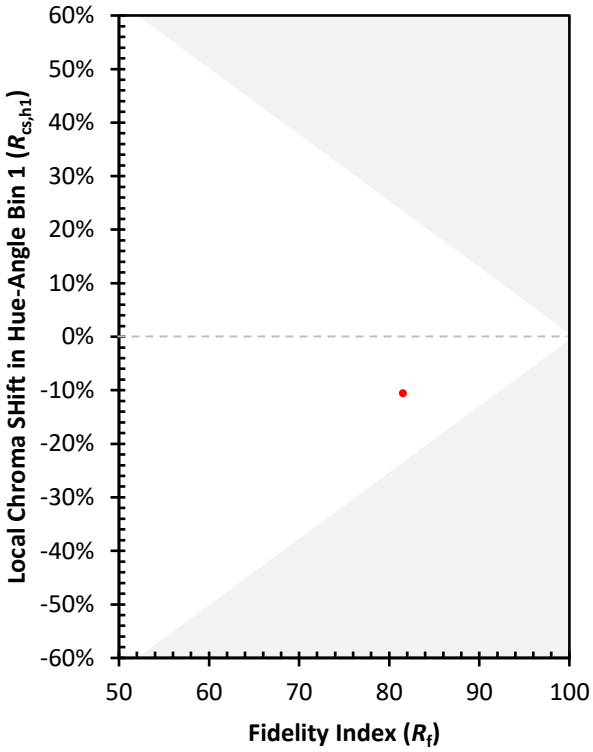
Measure Comparisons





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