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: P319845

Luminaire Tested: **GLEON-SA1C-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:	P319845
	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-SA1C-830-U-SL3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5885 lumens
Efficiency:	N/A
Efficacy:	99.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	59
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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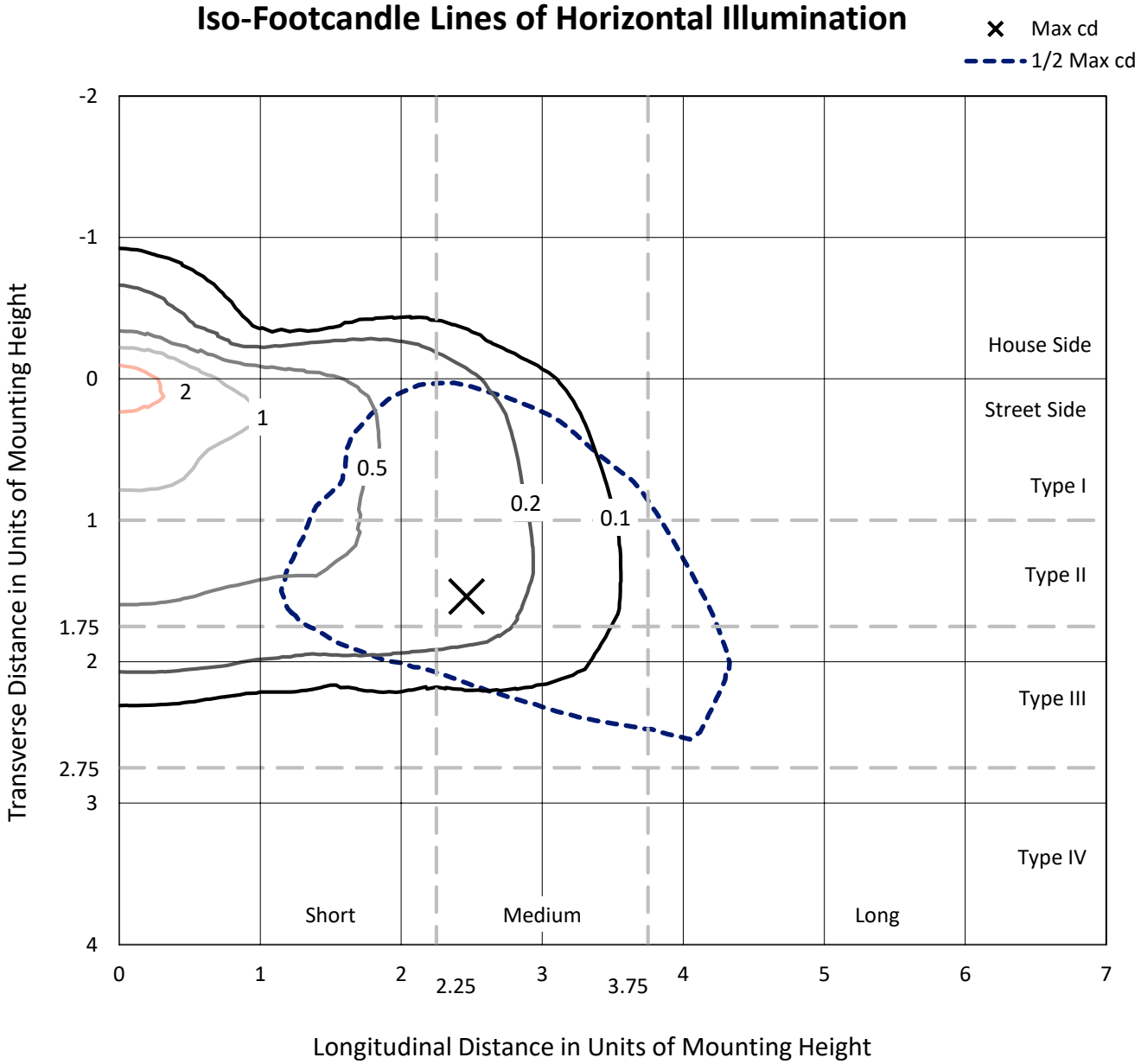
Scaled Data Report

REPORT NUMBER: P319845
CATALOG NUMBER: GLEON-SA1C-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Medium - N/A

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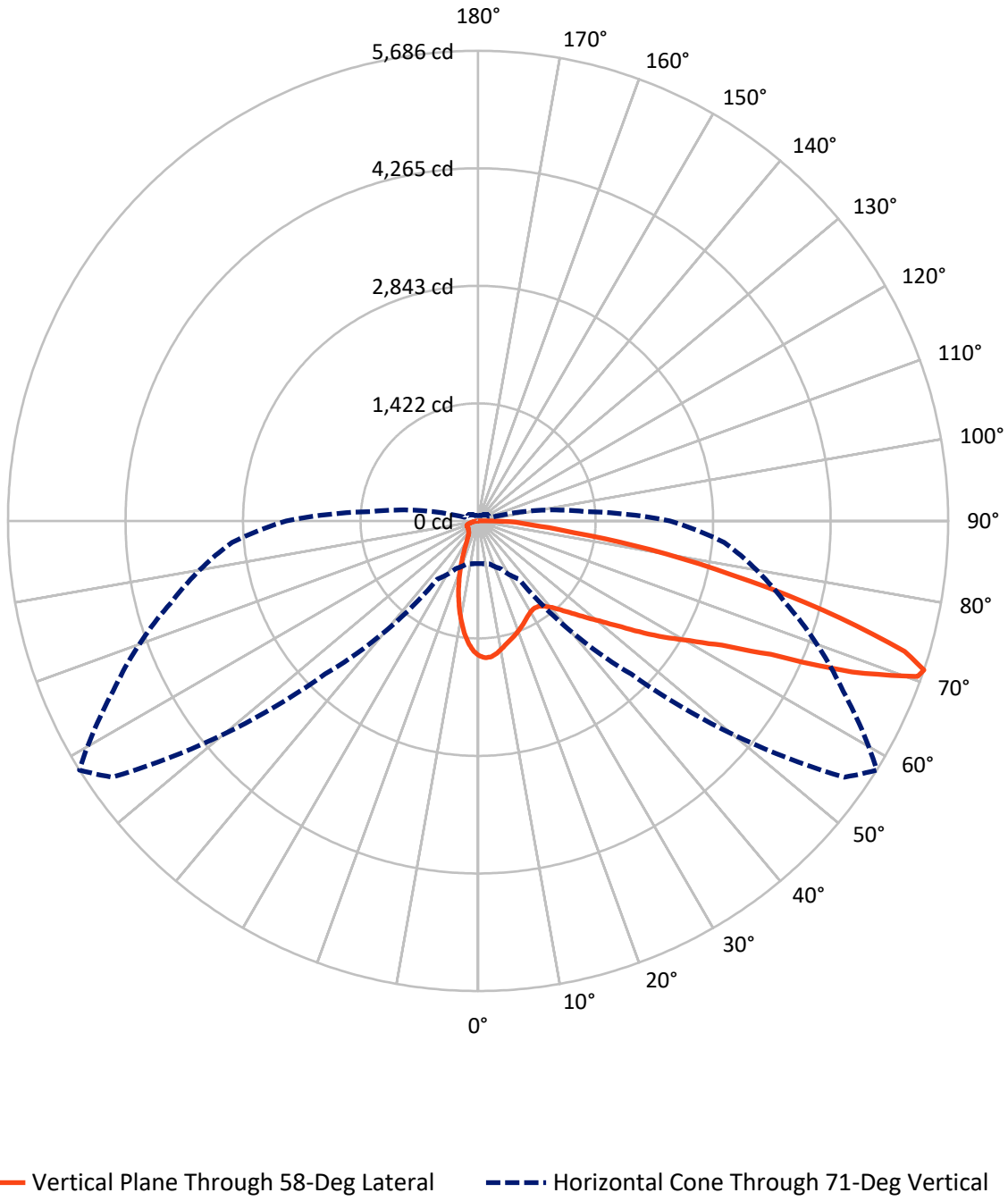
Luminous Intensity Polar Plot



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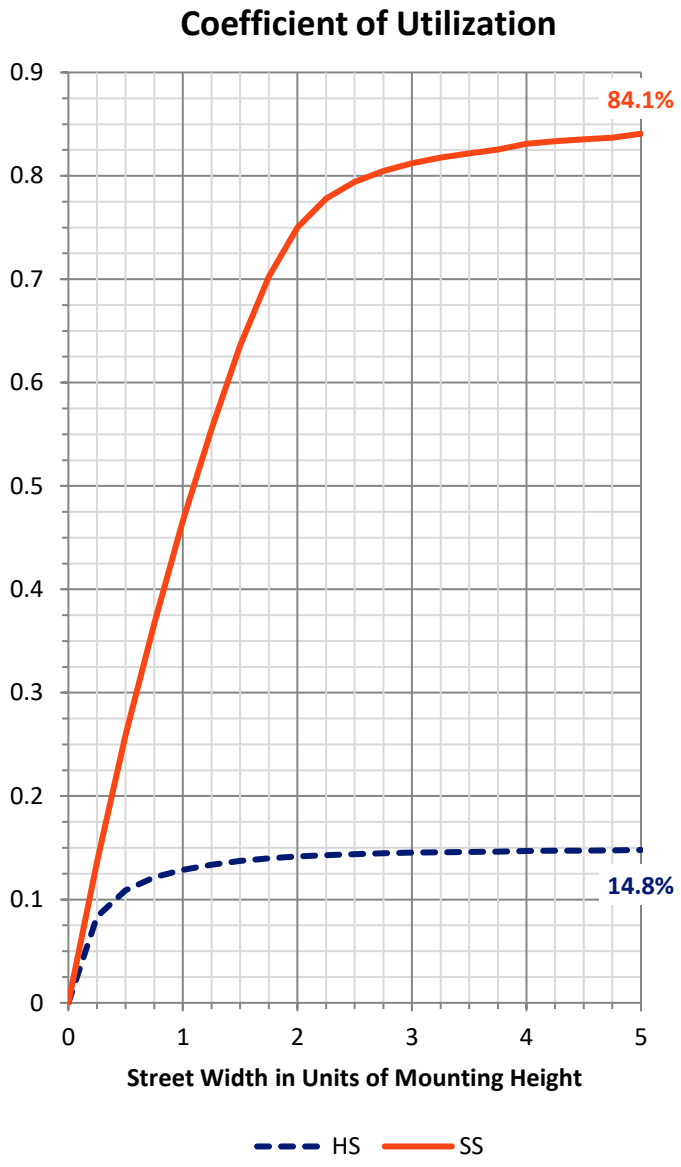
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	879.8	0.0	879.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	5005.2	0.0	5005.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	5885.0	0.0	5885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	2.4
10°-20°	312.8	5.3
20°-30°	397.5	6.8
30°-40°	506.4	8.6
40°-50°	718.1	12.2
50°-60°	1111.2	18.9
60°-70°	1512.8	25.7
70°-80°	1009.2	17.1
80°-90°	176.4	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°	5885.0	100.0
0°-180°	5885.0	100.0



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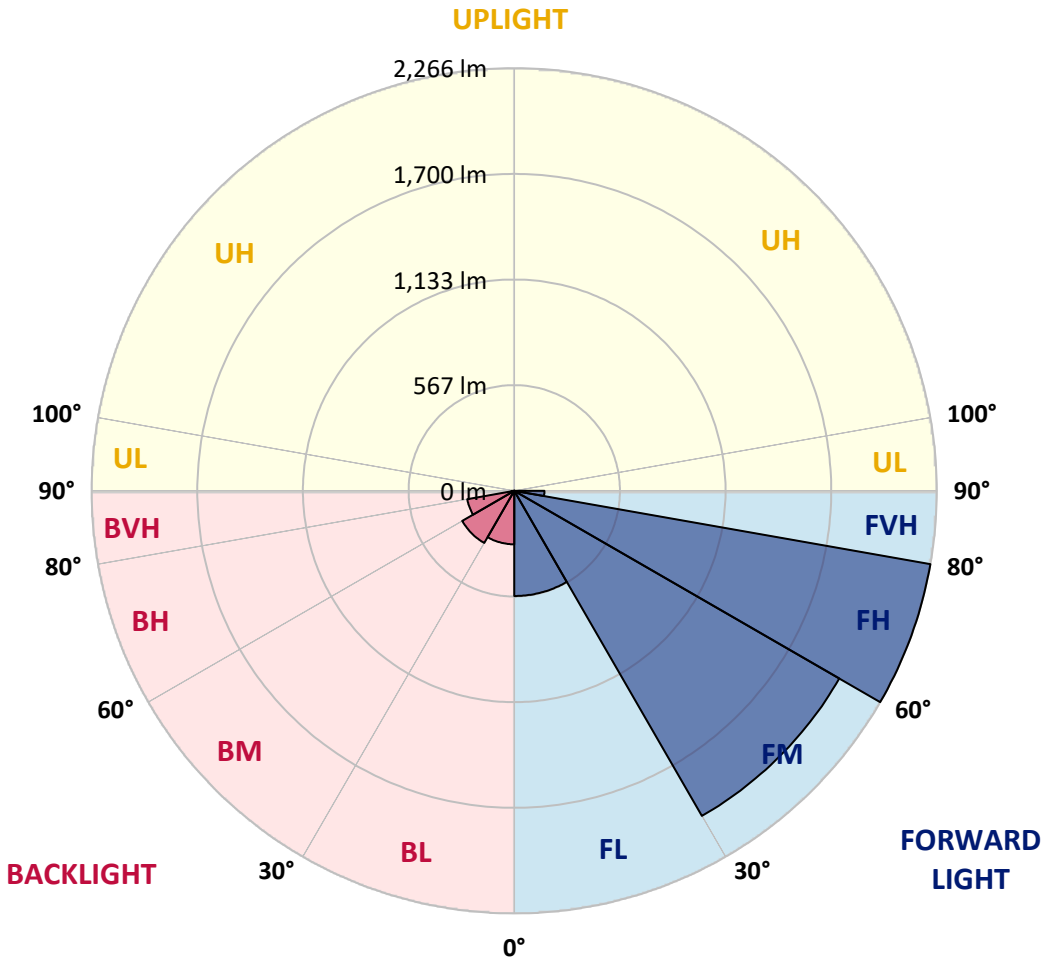
REPORT NUMBER: P319845
CATALOG NUMBER: GLEON-SA1C-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	564.2	9.6			
FM	(30°-60°)	2013.0	34.2			
FH	(60°-80°)	2266.2	38.5			G2/5000
FVH	(80°-90°)	161.8	2.7			G2/225
BL	(0°-30°)	286.8	4.9	B1/500		
BM	(30°-60°)	322.7	5.5	B1/1000		
BH	(60°-80°)	255.7	4.3	B1/500		G1/500
BVH	(80°-90°)	14.7	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: P319845
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	*1630.5*	1630.5	1630.5	1630.5
2.5°	1673.8	1671.5	1672.4	1670.7	1666.8	1662.9	1657.2	*1658.2*	1650.2	1638.3	1623.6
5°	1642.2	1641.4	1647.6	1651.0	1653.9	1651.7	1650.0	*1652.1*	1640.4	1624.0	1598.4
7.5°	1576.0	1567.0	1574.8	1586.5	1597.5	1605.9	1617.0	*1618.4*	1611.1	1593.8	1560.2
10°	1481.9	1473.3	1484.8	1503.0	1525.2	1545.3	1567.6	*1571.7*	1573.1	1557.6	1516.8
12.5°	1384.3	1377.8	1389.3	1414.9	1451.6	1482.5	1518.2	*1524.4*	1537.1	1526.6	1476.6
15°	1297.0	1294.5	1308.5	1333.7	1375.9	1423.3	1474.7	*1486.0*	1507.5	1504.1	1445.2
17.5°	1221.6	1221.0	1231.6	1258.1	1304.8	1364.7	1431.5	*1450.6*	1482.5	1486.6	1419.4
20°	1165.4	1164.2	1171.6	1191.0	1239.2	1307.1	1384.7	*1411.0*	1457.1	1471.5	1392.7
22.5°	1135.3	1135.1	1135.3	1144.5	1183.9	1247.0	1339.2	*1371.2*	1432.3	1459.4	1363.2
25°	1130.1	1129.5	1125.0	1124.0	1146.3	1196.8	1294.1	*1329.4*	1408.7	1451.0	1335.1
27.5°	1143.5	1144.3	1138.3	1128.7	1133.2	1163.8	1255.0	*1292.7*	1389.9	1449.3	1315.7
30°	1171.1	1170.7	1165.6	1155.6	1146.7	1151.5	1227.1	*1264.8*	1377.2	1456.5	1302.3
32.5°	1201.7	1203.9	1202.9	1197.4	1184.3	1165.4	1218.7	*1255.6*	1373.5	1473.7	1296.6
35°	1238.4	1240.8	1248.2	1252.5	1237.2	1206.8	1236.7	*1268.7*	1384.1	1506.1	1305.8
37.5°	1273.2	1279.6	1300.3	1318.5	1305.4	1271.6	1284.7	*1307.5*	1417.1	1557.1	1330.6
40°	1313.4	1318.9	1352.8	1391.5	1389.5	1354.4	1362.0	*1377.2*	1475.4	1630.3	1375.5
42.5°	1353.0	1364.0	1413.0	1468.0	1483.8	1452.8	1464.9	*1472.9*	1557.4	1727.3	1453.8
45°	1405.7	1417.5	1485.6	1551.8	1588.7	1571.3	1590.6	*1593.6*	1660.5	1859.3	1567.6
47.5°	1485.4	1498.9	1578.3	1647.8	1704.1	1706.0	1737.8	*1736.5*	1789.2	2010.4	1710.9
50°	1609.6	1629.1	1694.1	1759.1	1827.5	1865.7	1908.1	*1902.2*	1943.6	2171.3	1875.9
52.5°	1772.4	1781.4	1829.6	1877.6	1962.6	2048.1	2109.0	*2103.7*	2118.6	2336.7	2063.3
55°	1941.1	1947.9	1967.8	1994.0	2108.4	2247.8	2376.5	*2368.1*	2330.2	2508.5	2248.4
57.5°	2092.8	2106.5	2120.3	2131.1	2255.2	2456.5	2650.2	*2650.8*	2559.8	2693.9	2439.7
60°	2116.4	2128.5	2219.3	2305.0	2506.3	2734.9	2943.1	*2937.0*	2797.4	2895.0	2652.9
62.5°	1870.8	1898.1	2049.8	2277.7	2748.2	3244.1	3316.8	*3309.3*	3081.5	3142.8	2901.1
65°	1340.7	1371.6	1554.7	1897.2	2630.9	3805.1	3991.3	*3889.2*	3468.9	3447.6	3191.8
67.5°	773.5	780.8	860.2	1135.3	2003.2	3834.5	5020.1	*4877.3*	4070.6	3793.5	3334.1
70°	571.9	571.7	590.6	698.6	1084.0	3129.5	5509.5	*5637.6*	4704.0	3907.2	3133.0
71°	*517.2*	*517.8*	*538.9*	*635.9*	*858.5*	*2619.4*	*5405.5*	*5686.0*	*4870.9*	*3851.1*	*2987.4*
72.5°	442.4	444.4	473.7	570.3	722.2	1806.4	4957.8	*5395.7*	4950.0	3712.5	2759.7
75°	335.6	340.3	380.9	480.7	660.1	916.1	3638.7	*4308.6*	4397.4	3275.8	2050.6
77.5°	239.4	244.8	290.7	404.3	627.5	690.4	2436.8	*3142.8*	3236.1	2099.4	924.9
80°	151.3	157.6	192.3	321.6	589.6	655.6	1531.3	*2112.5*	1764.6	671.8	235.3
82.5°	88.8	93.7	119.3	210.1	481.5	631.4	901.0	*1170.9*	686.7	202.9	107.0
85°	51.5	53.7	74.4	133.9	349.7	595.9	661.9	*654.6*	298.1	99.2	50.6
87.5°	24.0	26.6	44.1	69.9	194.1	431.9	523.1	*452.0*	185.3	46.5	23.8
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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REPORT NUMBER: P319845
CATALOG NUMBER: GLEON-SA1C-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5	1630.5
2.5°	1616.4	1612.9	1598.4	1585.4	1571.9	1554.3	1534.8	1532.3	1520.5	1522.7	1518.6
5°	1584.4	1575.6	1540.5	1508.8	1471.3	1437.6	1401.1	1384.3	1360.1	1358.5	1352.4
7.5°	1538.7	1522.3	1468.0	1407.7	1347.4	1290.0	1233.3	1195.9	1157.8	1141.6	1140.2
10°	1487.2	1459.4	1379.4	1290.2	1203.3	1119.5	1038.3	978.2	924.1	898.5	897.5
12.5°	1438.5	1397.3	1287.6	1166.2	1047.3	938.7	827.4	748.4	680.6	657.8	648.2
15°	1397.0	1339.0	1198.2	1043.0	898.7	747.8	621.1	538.1	475.4	453.7	449.6
17.5°	1356.9	1282.3	1106.6	918.6	744.1	578.3	451.4	389.7	356.3	347.5	347.3
20°	1316.9	1223.8	1010.8	791.3	594.7	432.5	347.1	319.4	308.1	307.1	305.4
22.5°	1271.6	1161.9	910.2	663.6	464.1	340.1	295.0	283.9	282.5	286.2	286.2
25°	1229.2	1100.4	808.1	538.5	361.0	283.7	263.4	261.2	265.1	271.6	272.2
27.5°	1189.6	1041.2	708.5	427.4	289.2	249.9	241.5	244.2	251.1	258.7	258.9
30°	1157.0	985.2	611.7	336.8	244.4	224.7	223.2	228.6	236.2	242.1	243.5
32.5°	1131.8	937.4	518.2	270.8	215.0	205.8	207.0	211.6	216.3	219.6	221.8
35°	1120.1	896.4	431.9	228.4	196.4	191.3	192.9	195.4	197.4	199.9	201.7
37.5°	1122.1	864.7	354.8	201.9	183.9	181.2	181.2	181.2	181.2	182.4	182.7
40°	1141.2	846.4	292.1	185.1	175.5	172.6	170.4	168.3	166.7	167.5	167.1
42.5°	1190.0	844.8	246.2	174.5	168.7	164.0	159.5	156.6	154.6	155.4	155.8
45°	1272.8	865.3	215.2	166.9	162.4	155.2	149.4	146.4	144.9	147.6	148.0
47.5°	1380.0	910.0	196.4	161.3	156.4	147.0	140.8	138.0	138.4	142.3	143.3
50°	1518.2	982.5	187.4	157.8	152.3	140.0	133.7	131.2	132.4	138.0	139.2
52.5°	1669.9	1087.1	188.4	156.8	149.6	134.9	128.1	125.3	127.3	132.4	133.5
55°	1845.0	1212.8	205.4	158.3	145.8	131.6	123.6	118.7	120.3	125.0	125.9
57.5°	2039.5	1356.7	239.6	157.8	140.8	128.5	118.9	111.5	112.7	115.6	116.4
60°	2242.0	1530.5	292.7	159.1	138.6	124.8	112.5	103.3	102.9	105.4	105.8
62.5°	2485.2	1731.6	353.4	159.9	140.0	120.1	104.1	95.1	93.9	94.5	94.9
65°	2735.7	1877.1	330.7	156.6	144.5	116.2	96.8	87.1	84.9	84.5	84.7
67.5°	2743.5	1721.1	231.9	150.1	146.4	114.2	91.2	80.4	76.7	75.2	75.0
70°	2460.4	1398.3	180.6	143.1	139.0	110.9	86.1	74.8	69.3	67.0	66.8
71°	*2322.2*	*1287.2*	*171.2*	*139.6*	*133.5*	*107.6*	*83.8*	*72.4*	*66.6*	*64.2*	*63.8*
72.5°	2105.5	1153.9	159.7	134.1	122.8	99.2	79.5	68.9	62.9	60.1	59.4
75°	1511.0	754.6	137.1	119.5	101.7	79.1	69.7	61.9	56.8	53.3	52.9
77.5°	582.2	300.3	103.7	99.4	77.9	61.9	57.4	53.5	49.8	46.3	46.1
80°	180.0	134.3	75.6	74.8	56.4	46.1	44.7	43.7	42.2	38.5	37.7
82.5°	96.1	77.1	52.1	48.4	36.9	30.7	32.4	32.8	33.0	29.1	28.7
85°	45.9	40.8	29.3	27.5	21.5	17.2	19.9	21.5	21.7	17.8	16.6
87.5°	21.9	21.3	13.7	10.5	8.0	5.7	7.0	8.6	9.4	6.8	5.9
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

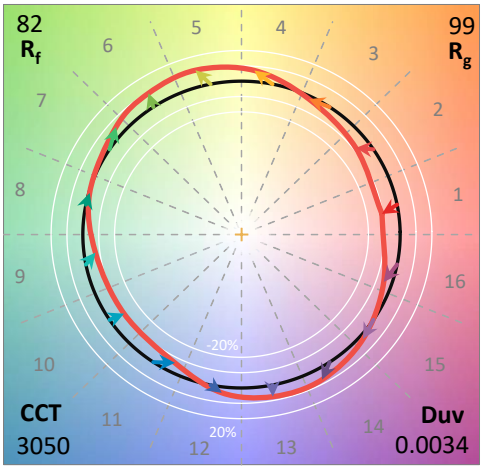
Test Information

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

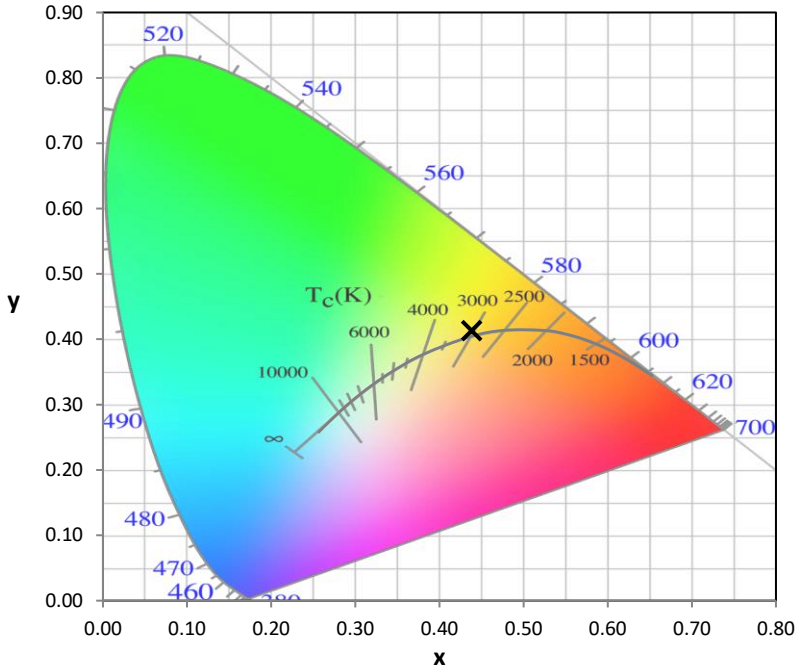
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

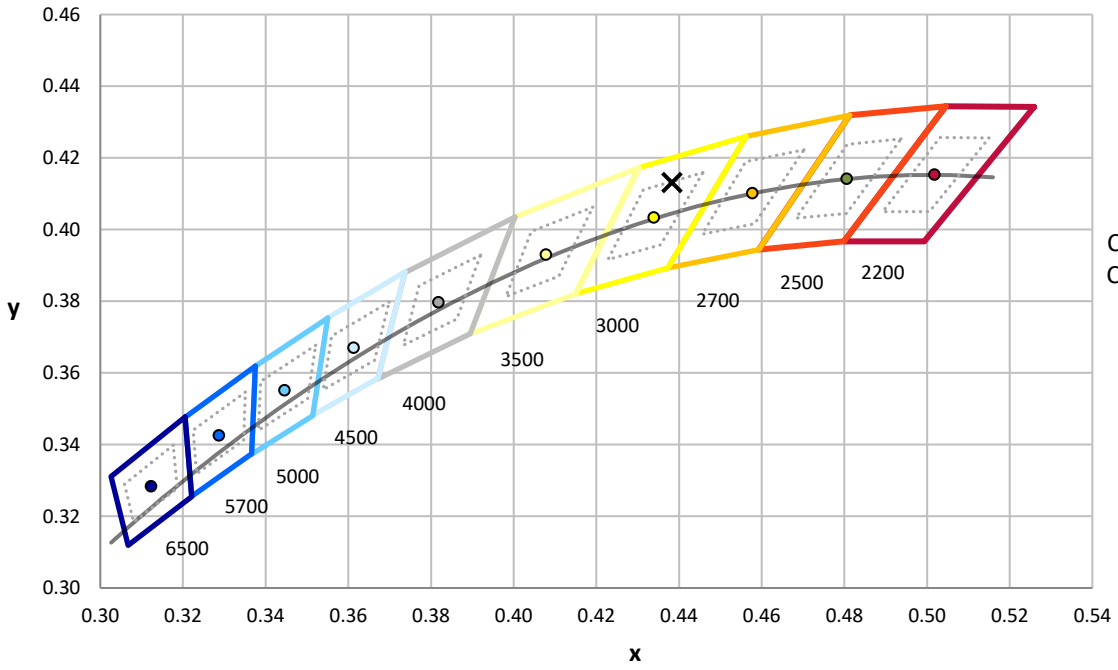
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

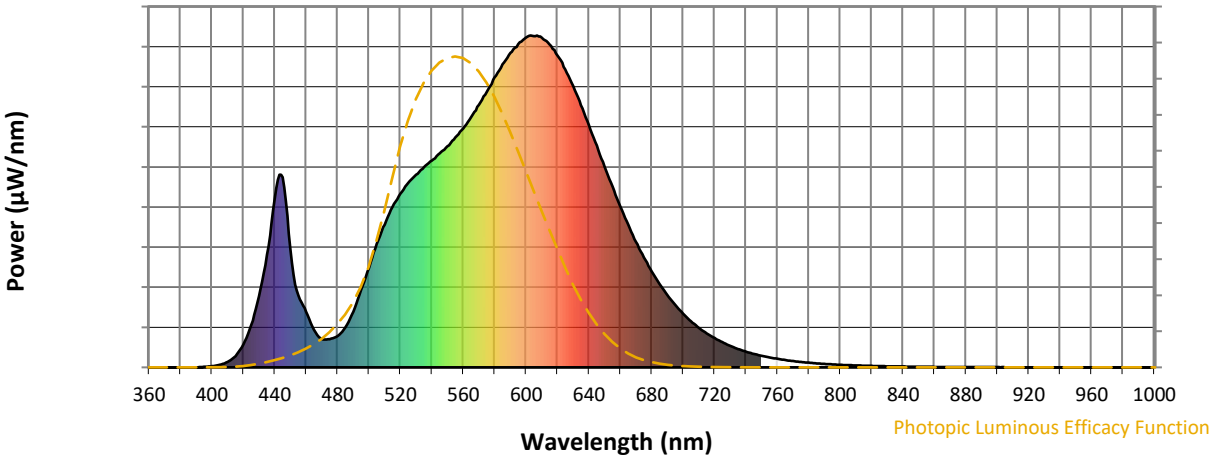


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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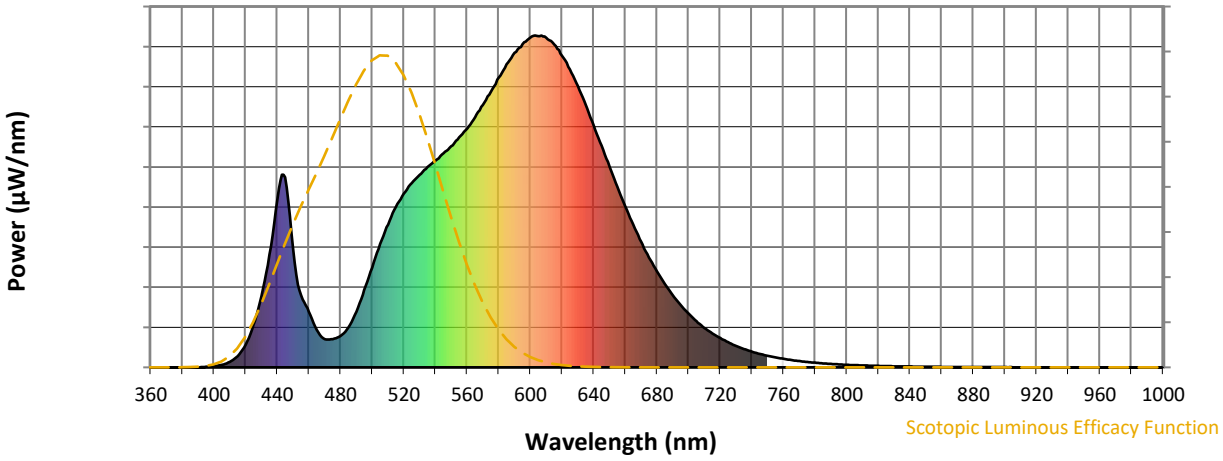
Scotopic Flux vs. Wavelength



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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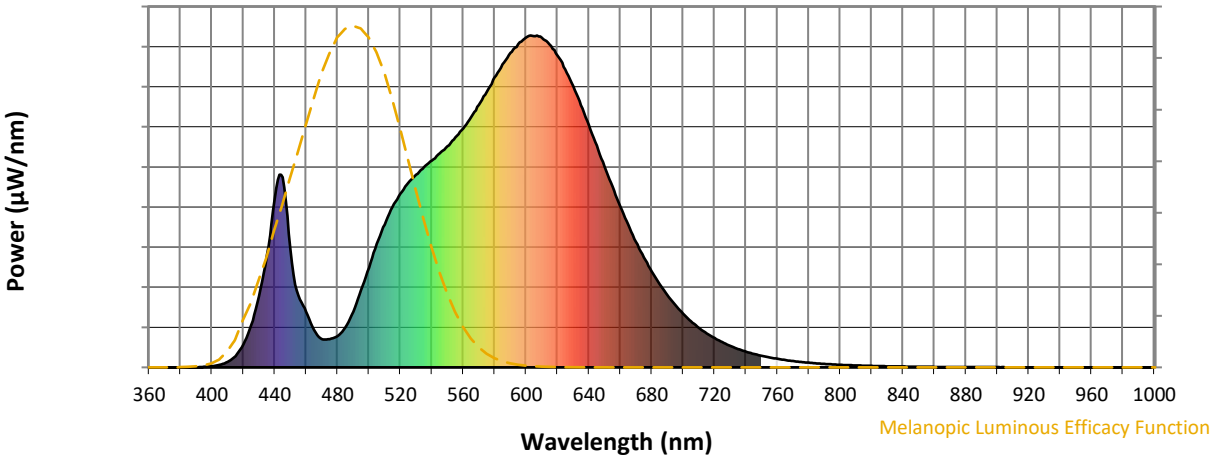
Melanopic Flux vs. Wavelength



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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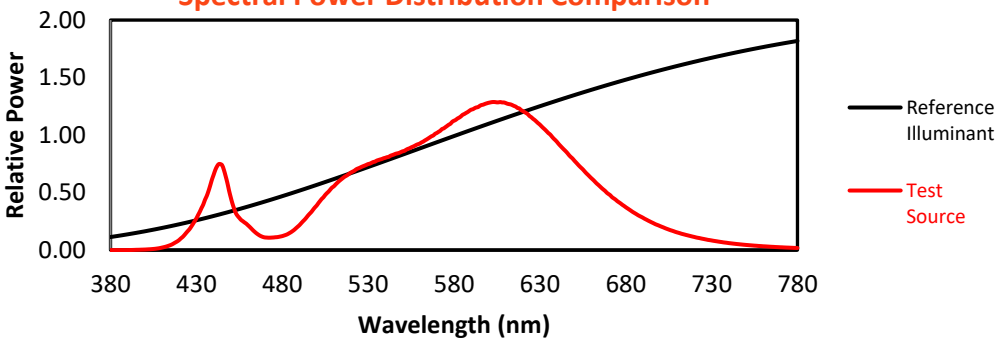
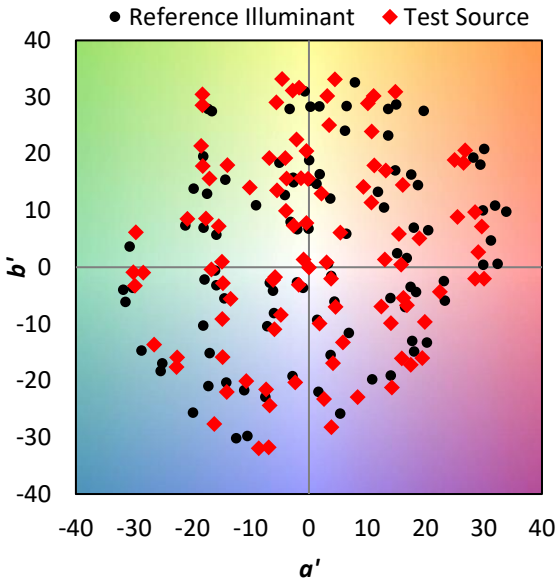
Summary

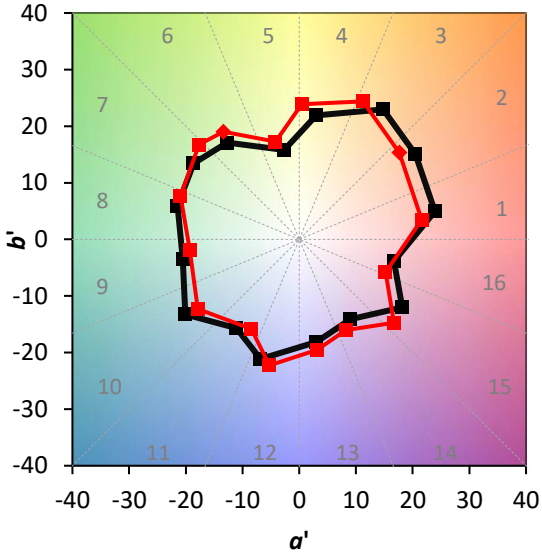
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

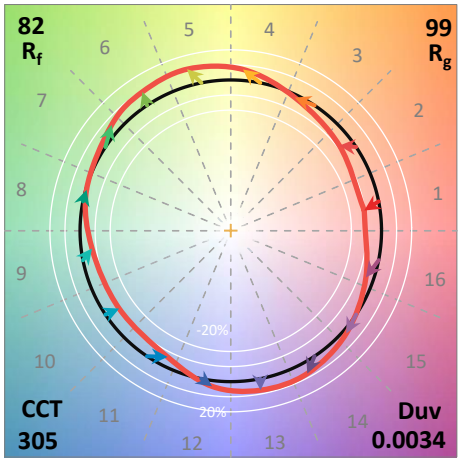
Spectral Power Distribution Comparison

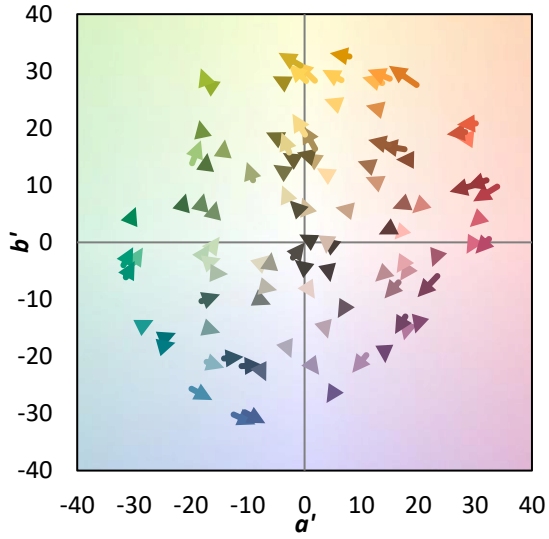


Color Vector Graphics









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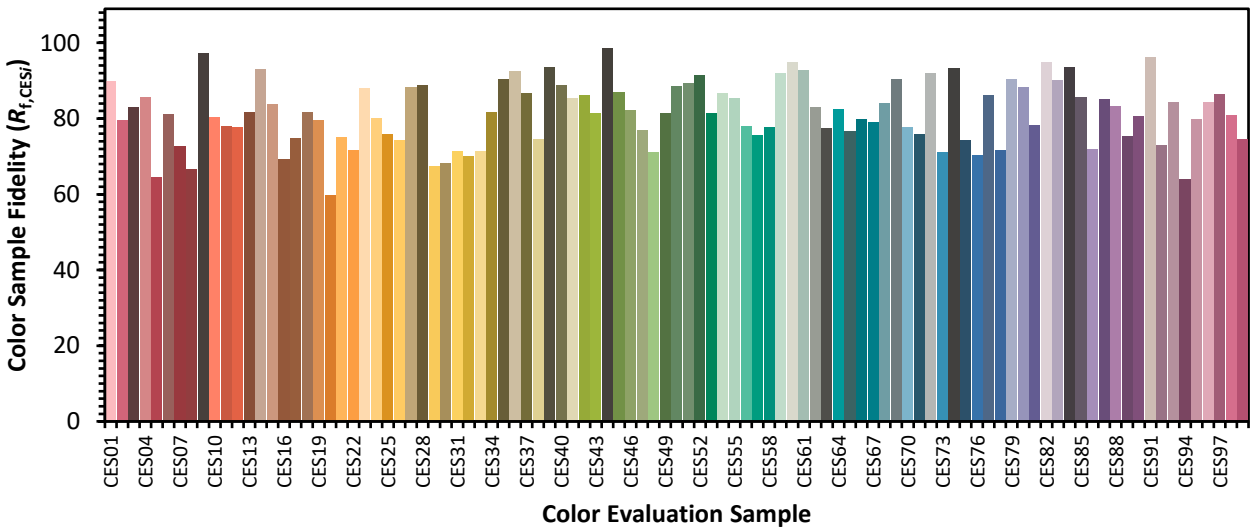
Individual Sample Fidelity Index ($R_{f,i}$)

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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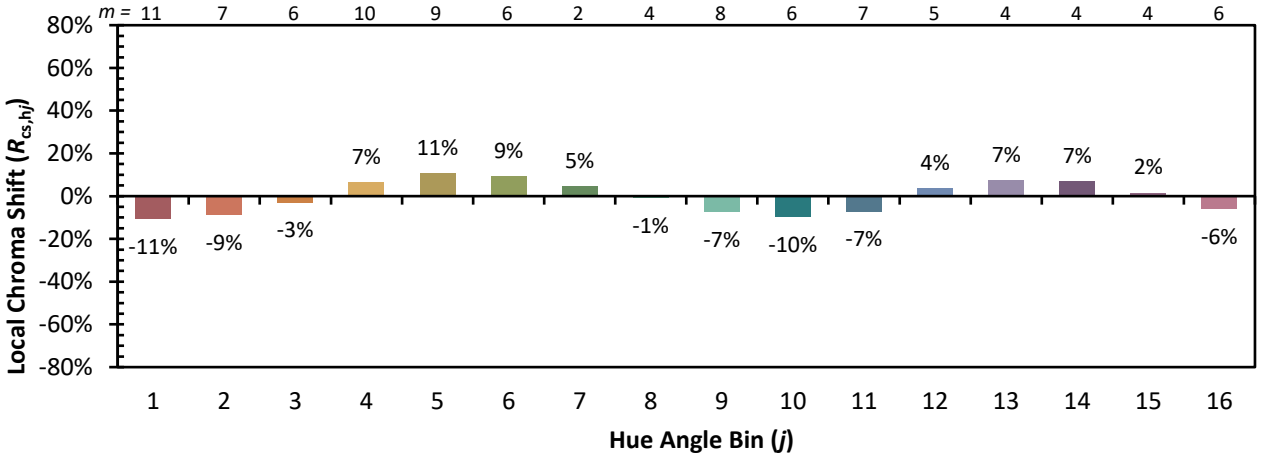
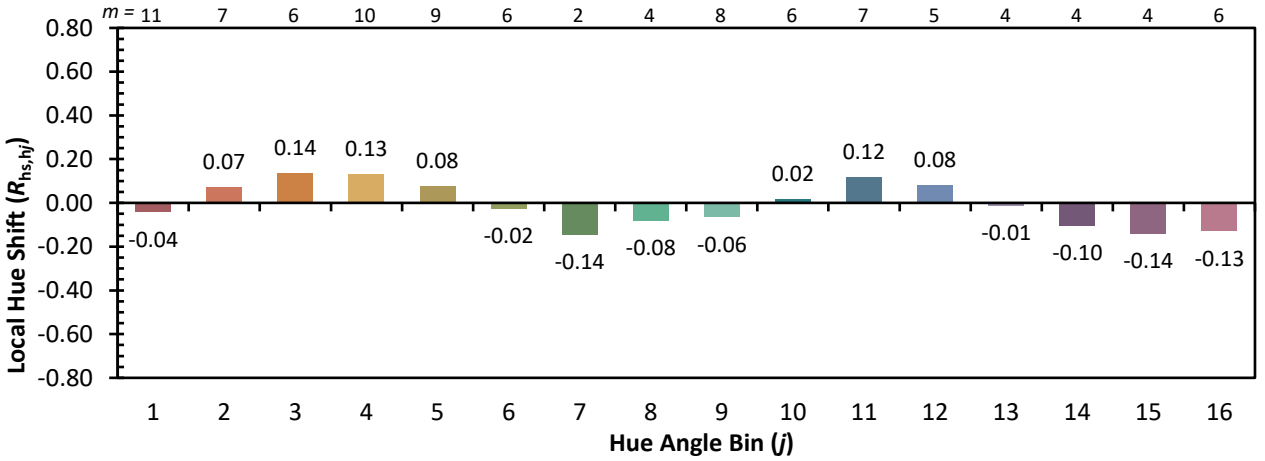
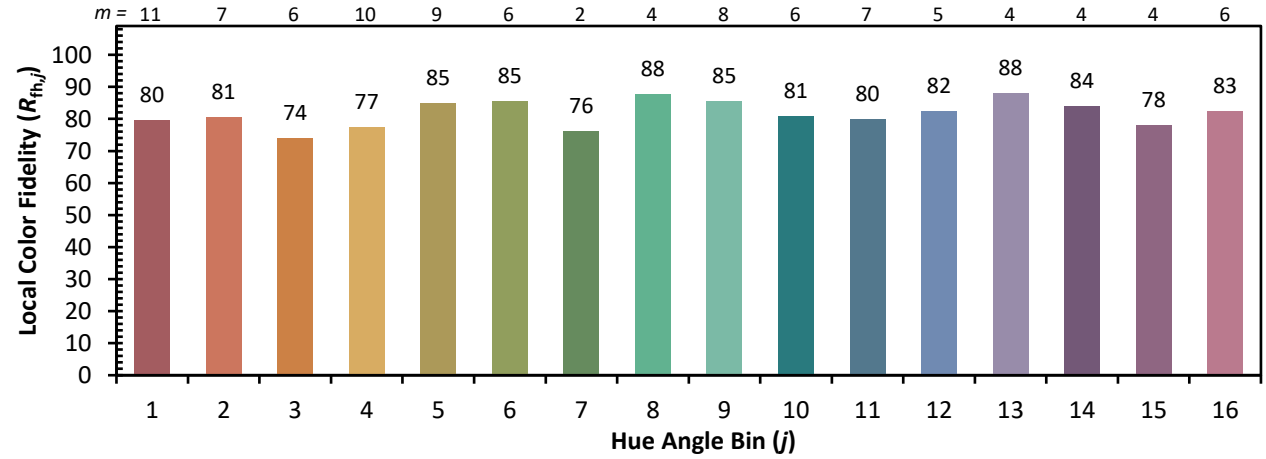
Color Rendition by Hue-Angle Bin







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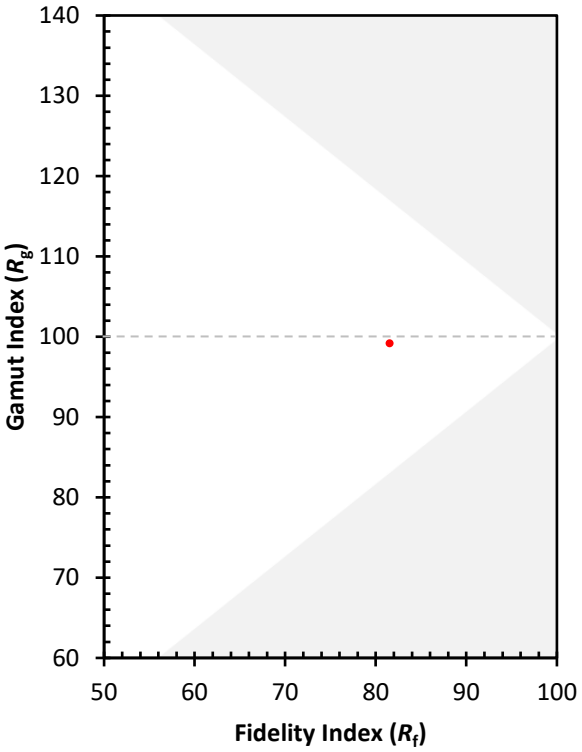
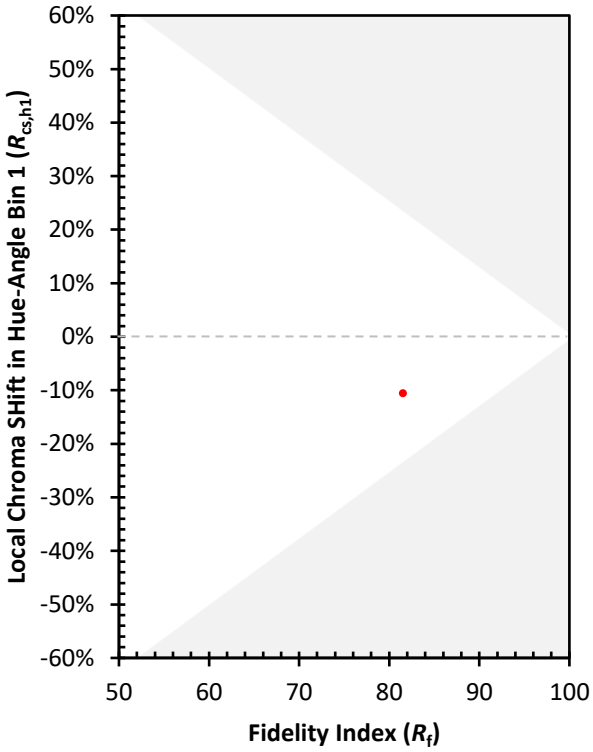
Measure Comparisons





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