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: P319187

Luminaire Tested: **GLEON-SA3A-830-U-T4W**

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:	P319187
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3A-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11227 lumens
Efficiency:	N/A
Efficacy:	116.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	96
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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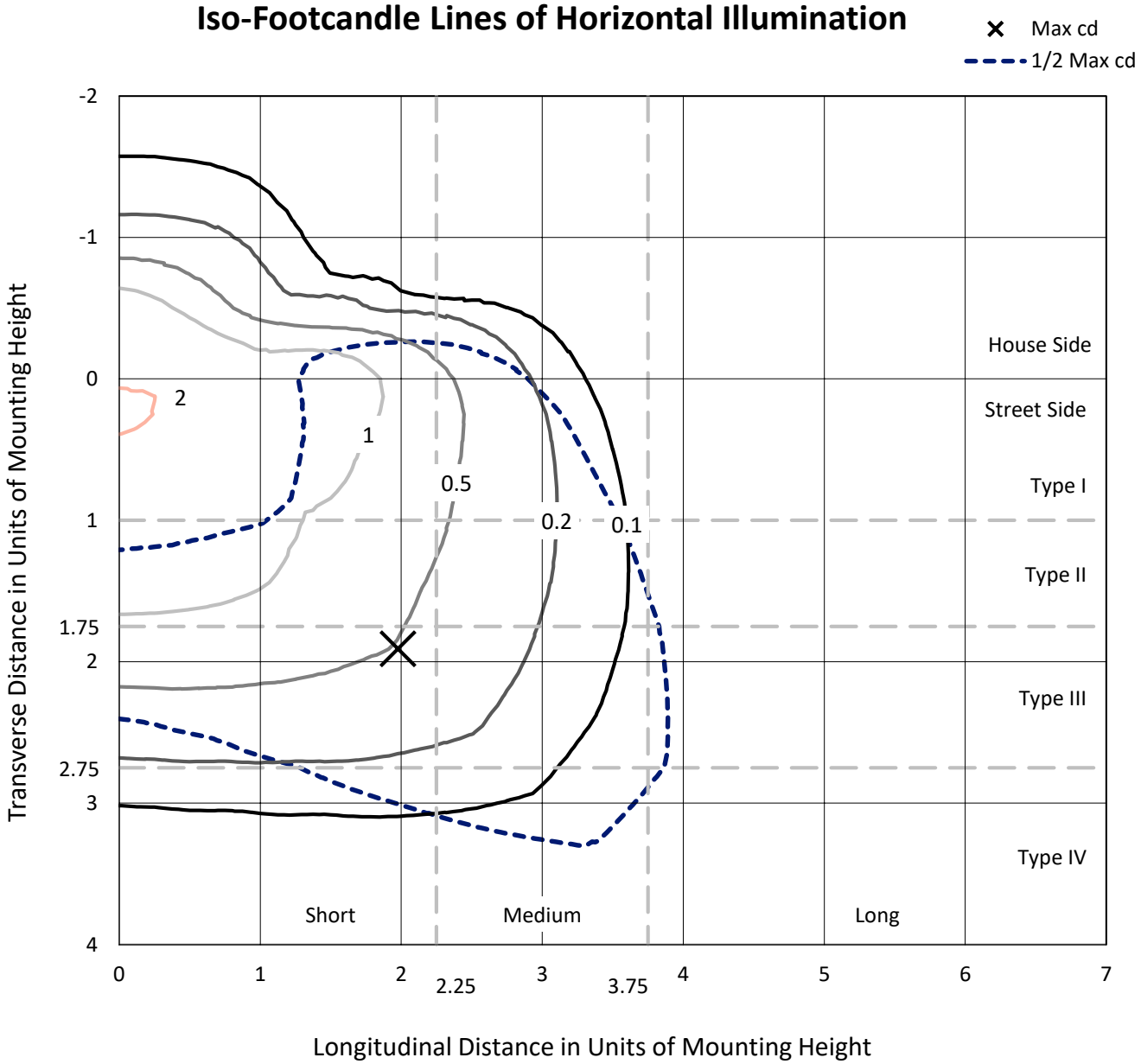
Scaled Data Report

REPORT NUMBER: P319187
CATALOG NUMBER: GLEON-SA3A-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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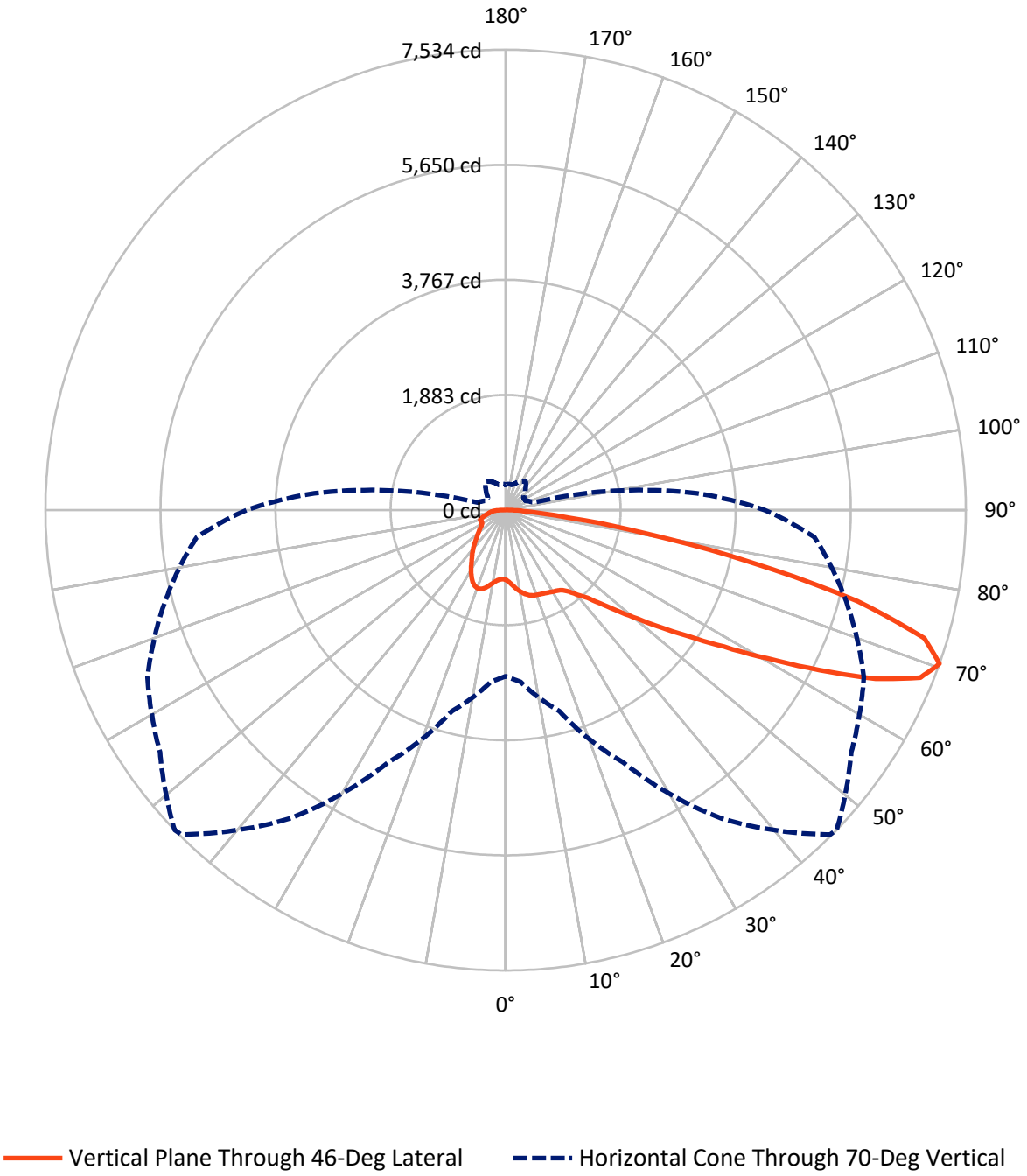
Luminous Intensity Polar Plot



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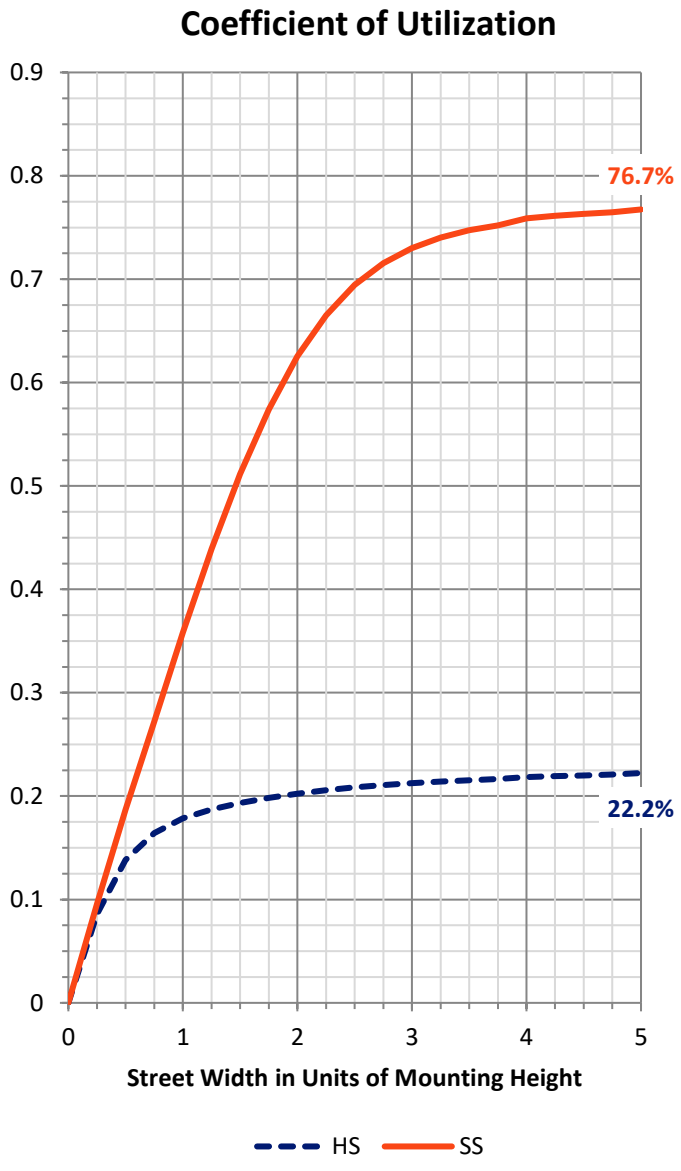
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2573.2	0.0	2573.2
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	8653.8	0.0	8653.8
	% Fixture	77.1	0.0	77.1
Total	Lumens	11227.0	0.0	11227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	1.0
10°-20°	388.5	3.5
20°-30°	647.8	5.8
30°-40°	919.2	8.2
40°-50°	1352.1	12.0
50°-60°	2289.8	20.4
60°-70°	3250.3	29.0
70°-80°	1974.6	17.6
80°-90°	288.2	2.6
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°	11227.0	100.0
0°-180°	11227.0	100.0



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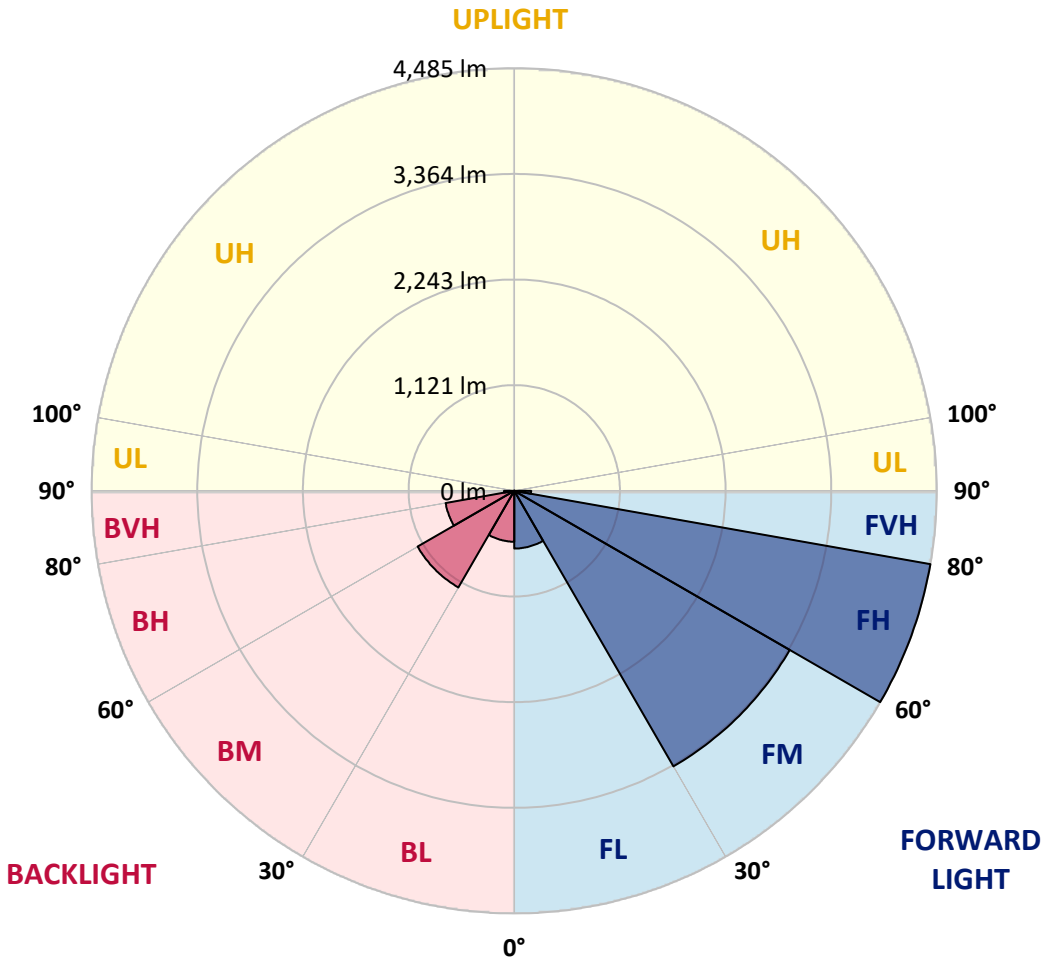
CATALOG NUMBER: GLEON-SA3A-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	612.6	5.5			
FM	(30°-60°)	3376.6	30.1			
FH	(60°-80°)	4485.1	39.9			G2/5000
FVH	(80°-90°)	179.5	1.6			G2/225
BL	(0°-30°)	540.2	4.8	B2/1000		
BM	(30°-60°)	1184.5	10.6	B2/2500		
BH	(60°-80°)	739.8	6.6	B2/1000		G2/1000
BVH	(80°-90°)	108.7	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Short



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REPORT NUMBER: P319187
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	*1143.8*	1143.8	1143.8	1143.8	1143.8
2.5°	1201.1	1201.8	1203.4	1199.5	1188.8	1185.7	*1184.5*	1173.4	1166.1	1155.3	1146.1
5°	1297.1	1297.9	1295.6	1284.8	1261.0	1243.3	*1241.8*	1216.4	1193.4	1168.8	1150.3
7.5°	1397.4	1398.5	1391.2	1370.9	1337.5	1306.7	*1304.8*	1270.2	1235.3	1198.0	1170.3
10°	1486.1	1481.5	1469.6	1441.2	1401.6	1364.0	*1362.4*	1326.3	1286.0	1241.0	1204.1
12.5°	1545.3	1541.5	1526.1	1491.5	1448.1	1413.5	*1410.5*	1377.0	1337.8	1288.7	1244.5
15°	1578.0	1580.7	1559.9	1520.7	1478.5	1449.3	*1446.6*	1422.8	1387.8	1338.2	1287.5
17.5°	1582.2	1584.5	1564.5	1525.7	1491.1	1471.2	*1470.0*	1454.3	1428.9	1381.3	1328.2
20°	1557.6	1559.1	1542.6	1510.7	1488.1	1481.9	*1481.5*	1474.6	1455.8	1413.5	1362.0
22.5°	1521.9	1523.0	1511.1	1488.1	1480.4	1490.0	*1492.7*	1490.0	1476.5	1437.0	1388.6
25°	1513.0	1512.3	1500.0	1476.5	1483.1	1503.4	*1506.9*	1508.0	1498.8	1464.2	1422.4
27.5°	1555.7	1553.0	1529.6	1491.9	1496.1	1520.7	*1525.3*	1536.5	1530.7	1500.4	1460.8
30°	1679.0	1674.4	1626.4	1550.3	1529.6	1542.2	*1548.0*	1565.7	1566.8	1541.5	1511.9
32.5°	1887.3	1881.5	1795.4	1659.4	1586.0	1564.1	*1569.5*	1596.0	1610.2	1590.7	1558.8
35°	2150.5	2143.9	2031.0	1845.0	1680.6	1606.0	*1609.9*	1631.0	1659.4	1631.8	1589.5
37.5°	2424.8	2409.0	2300.3	2063.2	1830.8	1695.5	*1695.5*	1698.2	1711.7	1654.1	1625.6
40°	2697.6	2681.8	2583.5	2319.9	2025.2	1836.6	*1827.7*	1768.2	1757.4	1707.8	1698.2
42.5°	2951.2	2946.6	2888.5	2610.0	2253.4	1975.3	*1963.0*	1861.9	1864.2	1833.5	1833.9
45°	3220.9	3220.9	3173.6	2902.8	2519.3	2198.1	*2185.8*	2037.1	2060.2	2046.0	2080.1
47.5°	3441.0	3448.0	3441.4	3207.8	2828.6	2481.3	*2459.0*	2279.9	2344.5	2393.3	2492.8
50°	3665.8	3676.6	3677.7	3542.5	3202.4	2817.8	*2792.5*	2602.3	2746.4	2886.2	3081.8
52.5°	3992.0	4016.2	3919.8	3876.4	3660.4	3217.4	*3192.5*	3016.9	3257.4	3453.7	3790.7
55°	4294.4	4273.3	4204.5	4231.4	4150.7	3672.3	*3653.5*	3499.4	3826.8	4081.9	4519.5
57.5°	4458.1	4456.5	4525.7	4640.9	4679.4	4233.3	*4217.5*	4067.7	4468.8	4660.5	5203.8
60°	4650.2	4652.9	4824.2	5085.9	5244.2	4931.8	*4924.9*	4811.2	5092.4	5200.8	5740.6
62.5°	4677.1	4725.5	5020.6	5470.9	5772.8	5747.9	*5763.2*	5480.8	5650.3	5631.8	6141.3
65°	4367.8	4431.5	4965.6	5587.3	6298.5	6640.4	*6654.6*	6154.4	6090.2	6000.3	6284.6
67.5°	3733.8	3828.3	4408.5	5334.1	6471.7	7300.1	*7320.1*	6676.5	6455.2	6125.2	5939.6
70°	*2717.2*	*2822.1*	*3406.1*	*4555.7*	*6162.8*	*7511.0*	*7533.7*	*6907.4*	*6469.0*	*5769.8*	*5070.5*
72.5°	1641.4	1723.6	2205.0	3353.8	5201.5	7126.8	*7167.2*	6614.7	5906.2	4887.2	3744.2
75°	720.8	774.6	1066.2	1932.6	3723.8	5896.6	*5946.9*	5661.8	4798.9	3551.7	2213.1
77.5°	307.0	322.4	437.2	839.5	2105.1	4029.3	*4098.4*	4136.9	3255.8	1932.6	935.2
80°	191.3	197.5	247.4	380.0	985.1	2263.0	*2337.6*	2434.0	1616.8	710.4	326.6
82.5°	116.4	123.3	164.4	229.8	512.9	1025.9	*1061.6*	1129.6	627.4	307.0	169.1
85°	69.9	74.9	100.7	145.2	292.0	403.4	*403.0*	445.7	295.5	197.5	89.1
87.5°	33.4	37.3	53.8	75.3	147.2	151.4	*141.8*	160.6	179.4	129.5	45.0
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: P319187
CATALOG NUMBER: GLEON-SA3A-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8	1143.8
2.5°	1143.0	1141.5	1136.5	1132.7	1131.9	1129.6	1127.7	1128.8	1130.4	1130.7	1130.7
5°	1142.7	1138.4	1131.9	1129.2	1132.7	1137.3	1143.0	1150.7	1155.3	1158.8	1161.1
7.5°	1161.1	1153.0	1145.7	1144.2	1151.1	1163.4	1176.5	1192.6	1203.7	1211.4	1213.0
10°	1191.8	1181.8	1174.5	1176.1	1188.4	1206.1	1224.5	1245.2	1262.2	1272.5	1273.3
12.5°	1227.2	1217.6	1210.7	1217.2	1237.6	1259.1	1278.3	1296.3	1311.7	1322.1	1322.1
15°	1267.9	1261.0	1252.9	1267.9	1295.6	1314.8	1322.9	1331.7	1340.1	1347.8	1346.3
17.5°	1307.1	1300.6	1296.3	1314.0	1342.8	1351.7	1346.3	1339.8	1339.8	1344.0	1344.8
20°	1340.9	1335.2	1337.8	1355.1	1370.1	1360.9	1340.9	1320.2	1311.7	1314.0	1316.3
22.5°	1370.5	1367.8	1375.9	1383.9	1373.2	1340.9	1304.0	1276.0	1265.6	1264.8	1265.6
25°	1405.1	1404.7	1414.7	1400.1	1352.4	1292.9	1243.3	1216.0	1210.3	1214.9	1222.6
27.5°	1448.1	1452.3	1457.3	1403.9	1310.2	1220.3	1169.9	1151.1	1156.9	1168.0	1175.3
30°	1503.1	1514.6	1503.8	1394.3	1249.5	1137.3	1089.3	1083.9	1099.6	1115.4	1123.1
32.5°	1556.5	1574.5	1548.4	1369.3	1171.1	1049.3	1012.0	1010.5	1029.7	1045.1	1055.8
35°	1599.5	1635.2	1581.8	1319.8	1080.4	968.2	940.9	930.6	937.5	955.5	967.8
37.5°	1655.6	1715.1	1604.9	1244.1	982.1	901.4	869.5	845.7	839.5	846.8	853.0
40°	1758.2	1836.9	1615.6	1138.4	886.0	834.5	802.2	767.3	743.1	725.4	725.8
42.5°	1925.7	1995.6	1608.7	1010.1	797.2	769.2	732.7	692.4	653.2	613.2	610.1
45°	2197.7	2231.5	1588.0	874.1	719.3	700.8	666.6	626.3	574.0	528.7	524.5
47.5°	2633.0	2558.1	1555.7	755.4	650.5	642.8	611.3	564.8	509.5	473.0	469.9
50°	3226.6	3029.5	1539.9	660.9	589.8	592.1	566.3	517.2	464.9	438.0	434.9
52.5°	3936.7	3578.6	1570.3	587.9	541.0	549.0	529.8	483.7	439.9	418.8	415.7
55°	4673.2	4147.2	1602.9	534.8	494.9	510.6	504.1	466.1	426.5	406.9	404.2
57.5°	5303.7	4571.8	1537.6	491.8	453.8	478.3	484.1	454.9	419.6	401.9	398.8
60°	5700.6	4742.8	1366.3	451.5	421.1	452.6	472.6	451.8	422.3	420.7	418.4
62.5°	5888.9	4727.8	1109.2	419.6	400.7	441.5	481.0	469.1	453.0	466.8	468.0
65°	5804.4	4501.9	826.1	398.4	386.1	445.7	506.4	501.8	461.8	475.7	477.6
67.5°	5248.0	3962.8	611.7	380.0	370.0	457.6	552.5	512.5	444.5	454.5	448.4
70°	*4241.7*	*3141.7*	*471.8*	*359.2*	*353.5*	*456.1*	*573.3*	*506.0*	*425.7*	*428.0*	*411.5*
72.5°	2925.0	2142.4	383.8	340.0	329.7	415.7	558.7	489.9	410.0	392.3	370.4
75°	1590.7	1150.0	326.2	320.1	287.8	365.0	531.8	478.3	395.7	372.3	360.0
77.5°	625.9	477.2	283.2	292.8	251.7	322.4	501.8	456.4	376.1	345.4	339.3
80°	255.5	243.6	234.8	253.2	216.3	282.0	465.7	430.7	352.7	320.4	308.1
82.5°	144.8	151.4	182.5	199.8	175.6	259.7	448.4	410.0	324.7	287.0	272.4
85°	74.2	88.8	127.2	143.3	129.1	220.9	413.0	358.9	260.5	219.8	220.9
87.5°	35.7	49.6	80.3	89.9	83.8	159.8	308.5	260.1	202.9	160.6	155.6
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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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

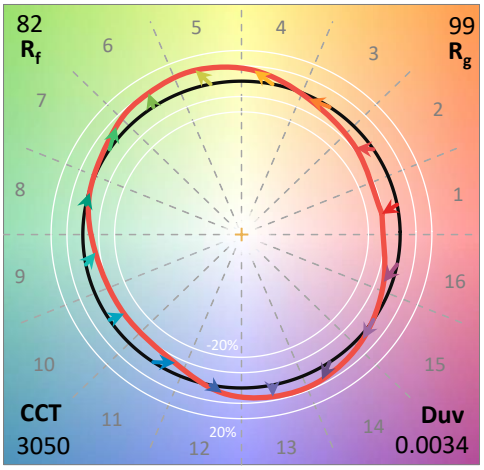
Test Information

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

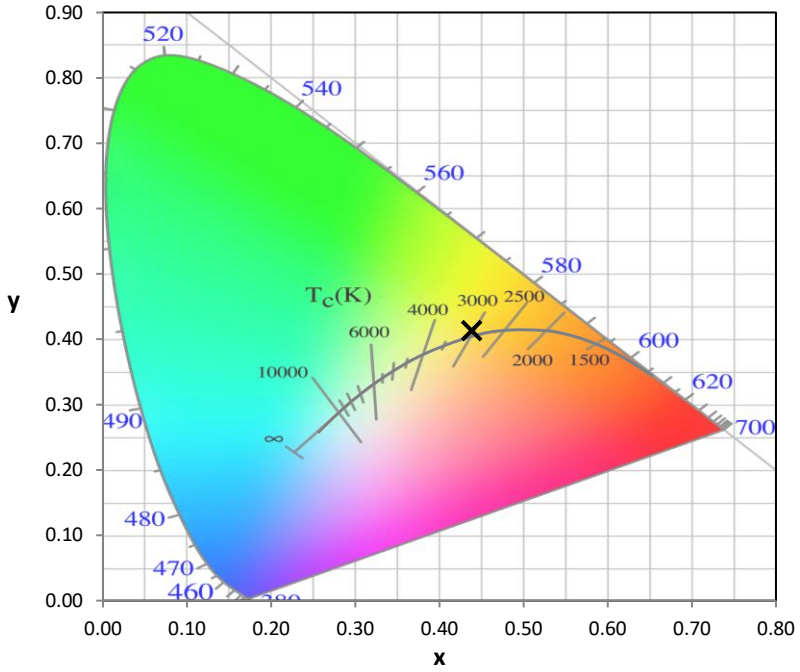
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

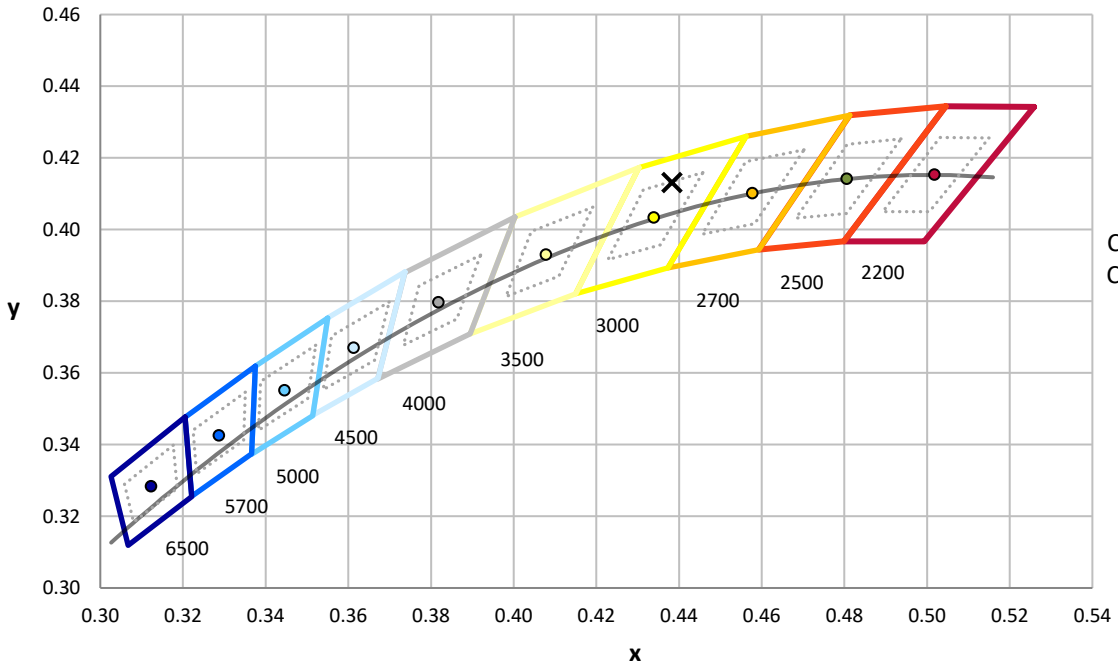
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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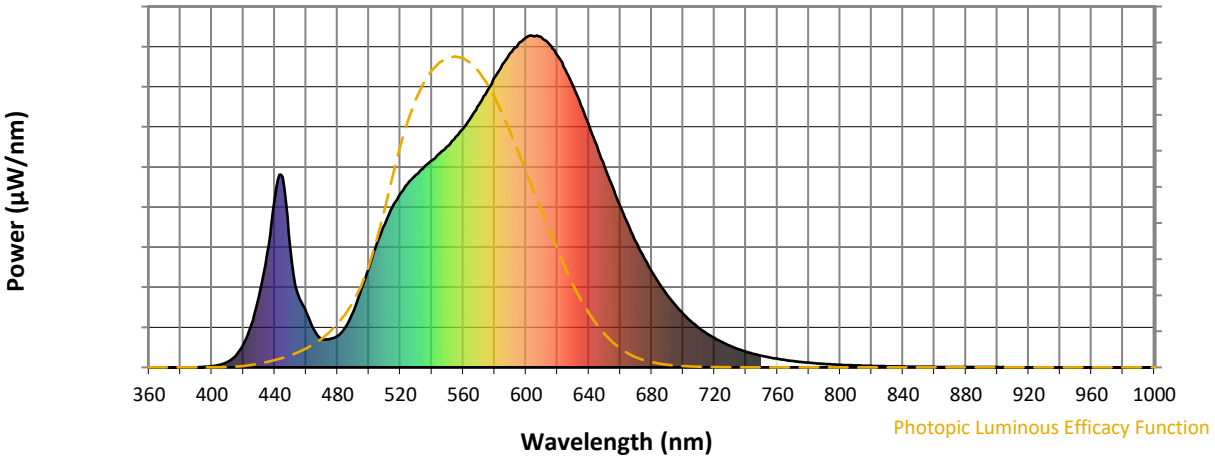
Photopic Flux vs. Wavelength



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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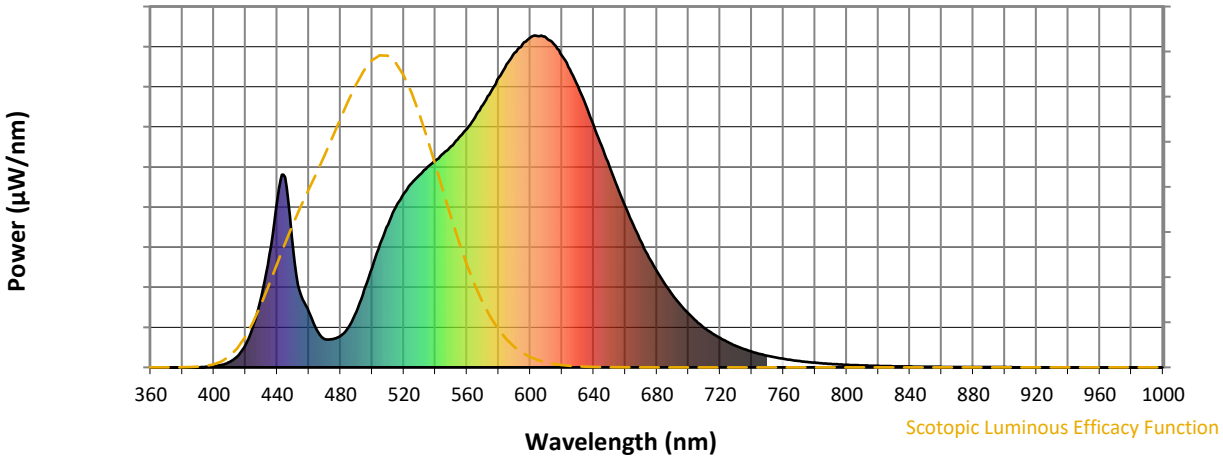
Scotopic Flux vs. Wavelength



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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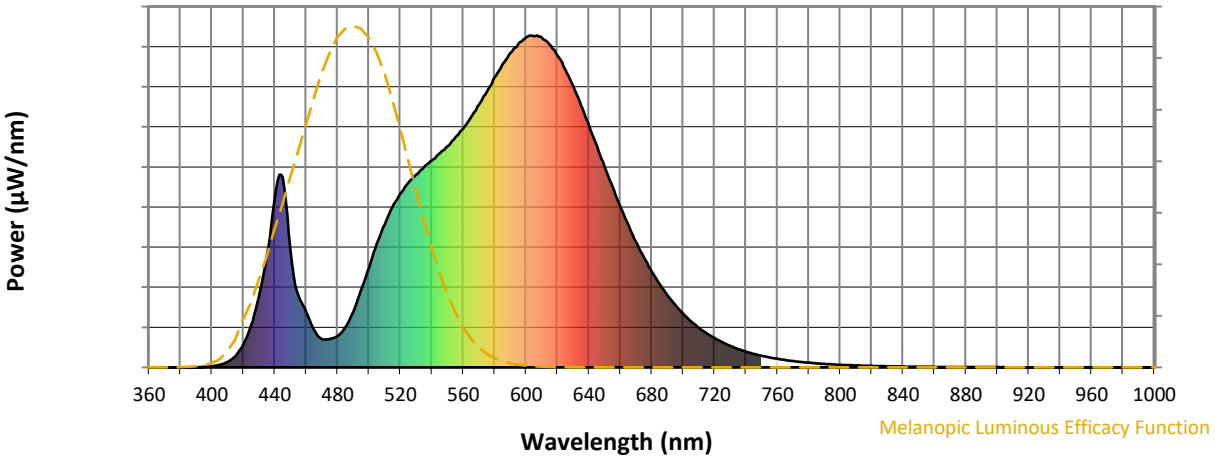
Melanopic Flux vs. Wavelength



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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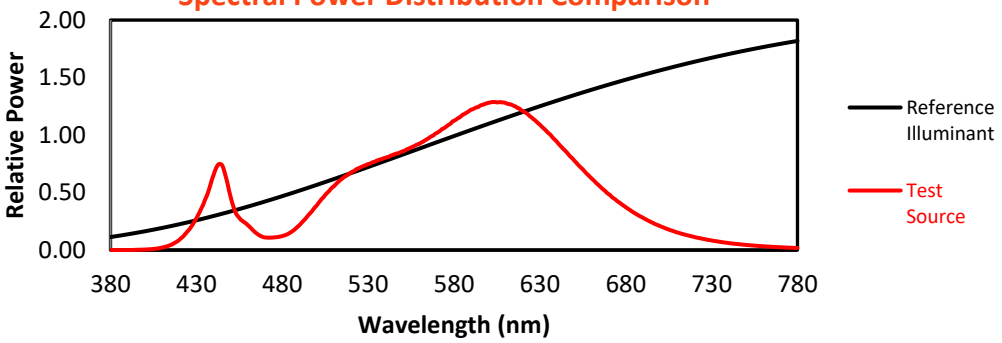
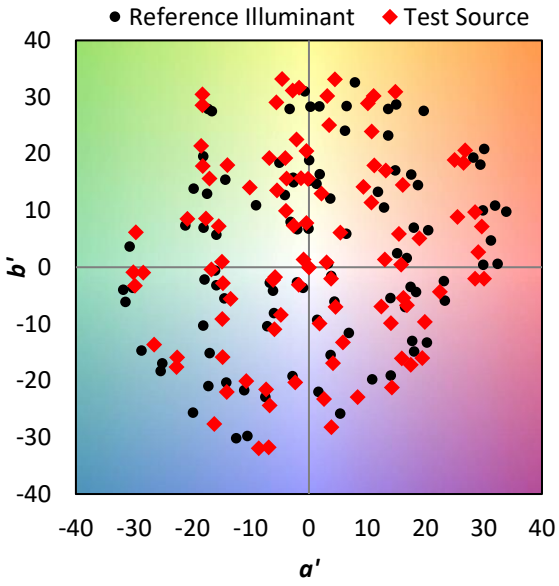
Summary

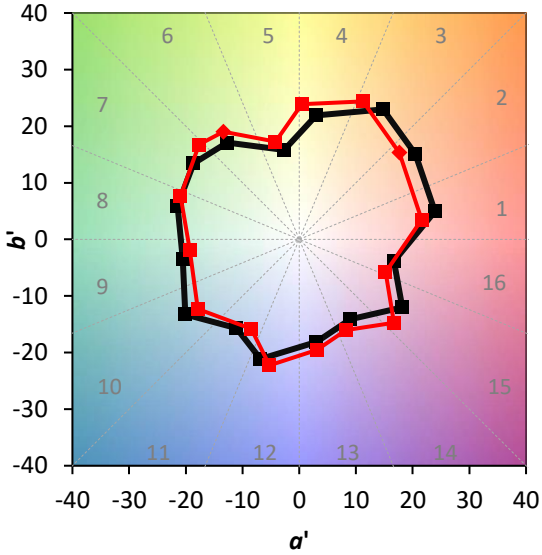
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

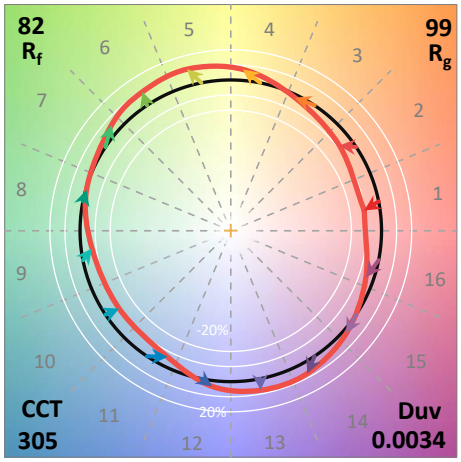
Spectral Power Distribution Comparison

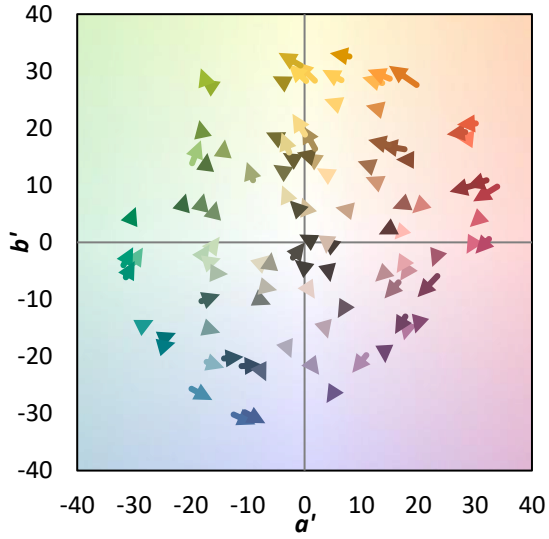


Color Vector Graphics









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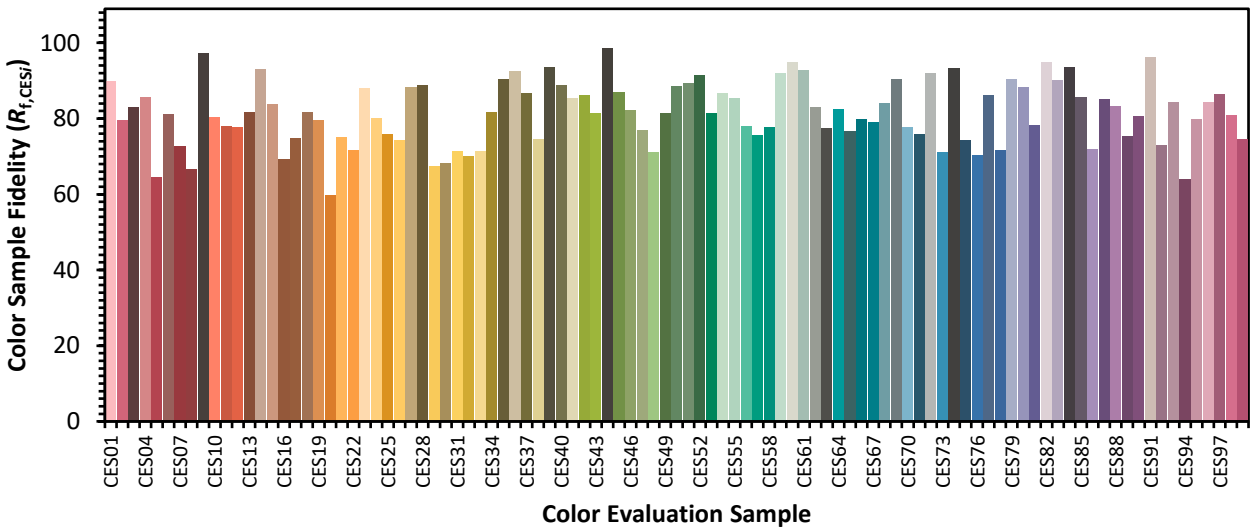
Individual Sample Fidelity Index ($R_{f,i}$)

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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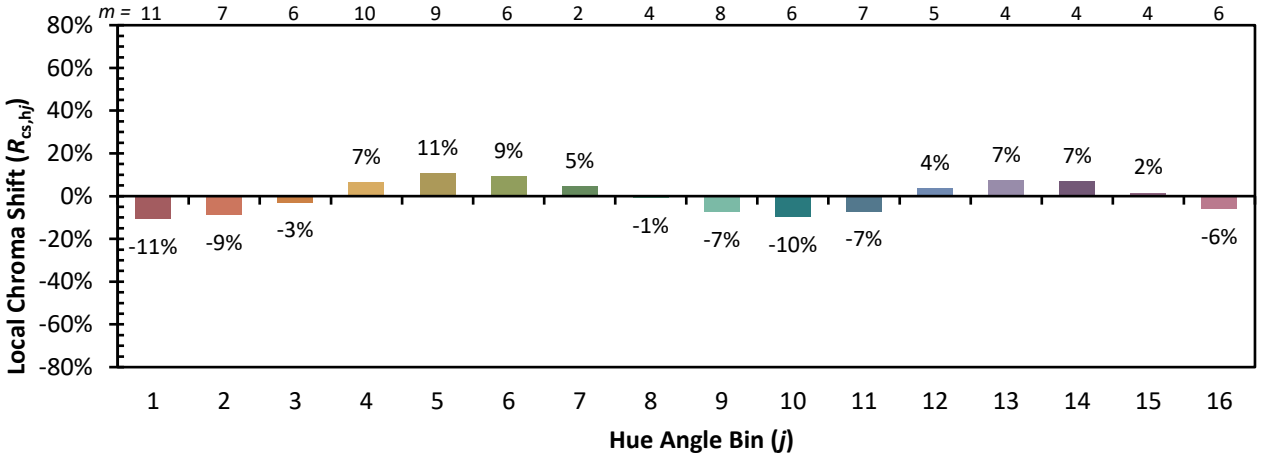
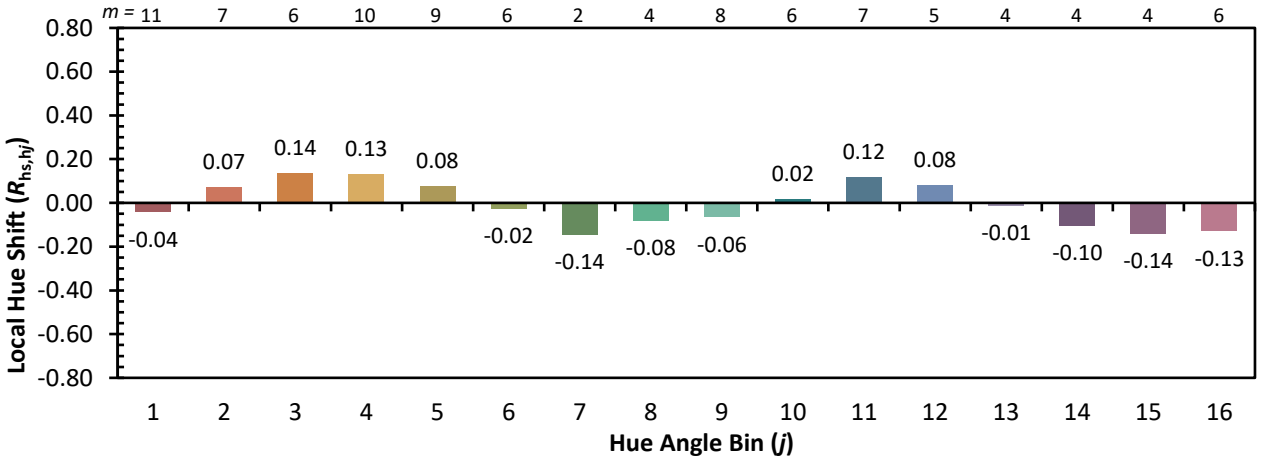
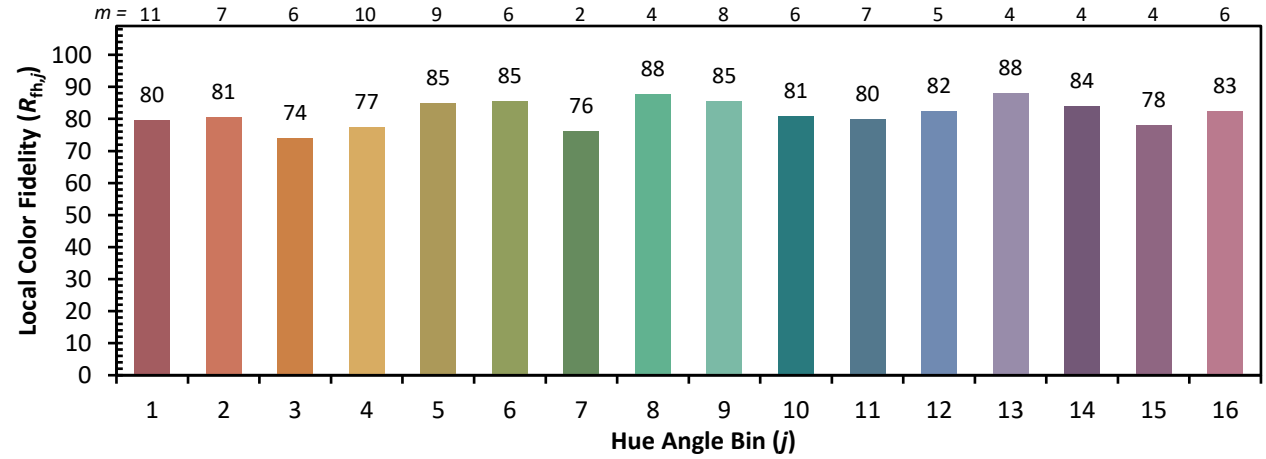
Color Rendition by Hue-Angle Bin







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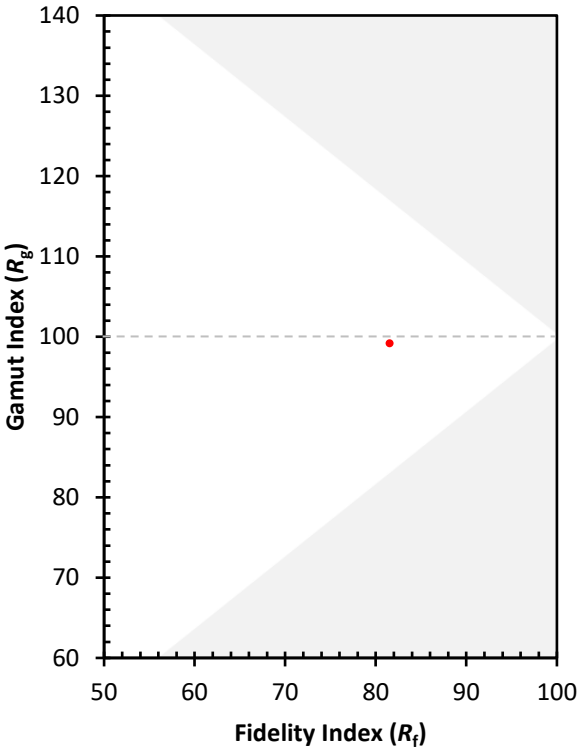
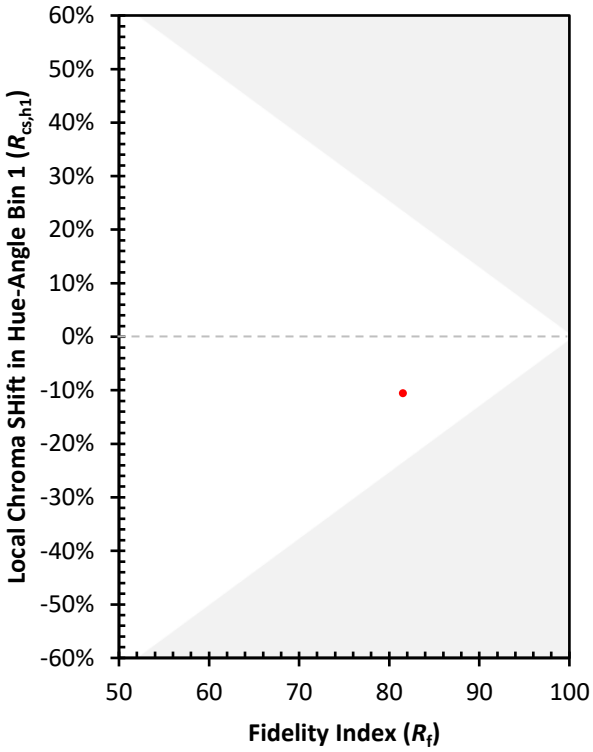
Measure Comparisons





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