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: P319506

Luminaire Tested: **GLEON-SA2A-830-U-SL2**

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:	P319506
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
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-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7423 lumens
Efficiency:	N/A
Efficacy:	112.5 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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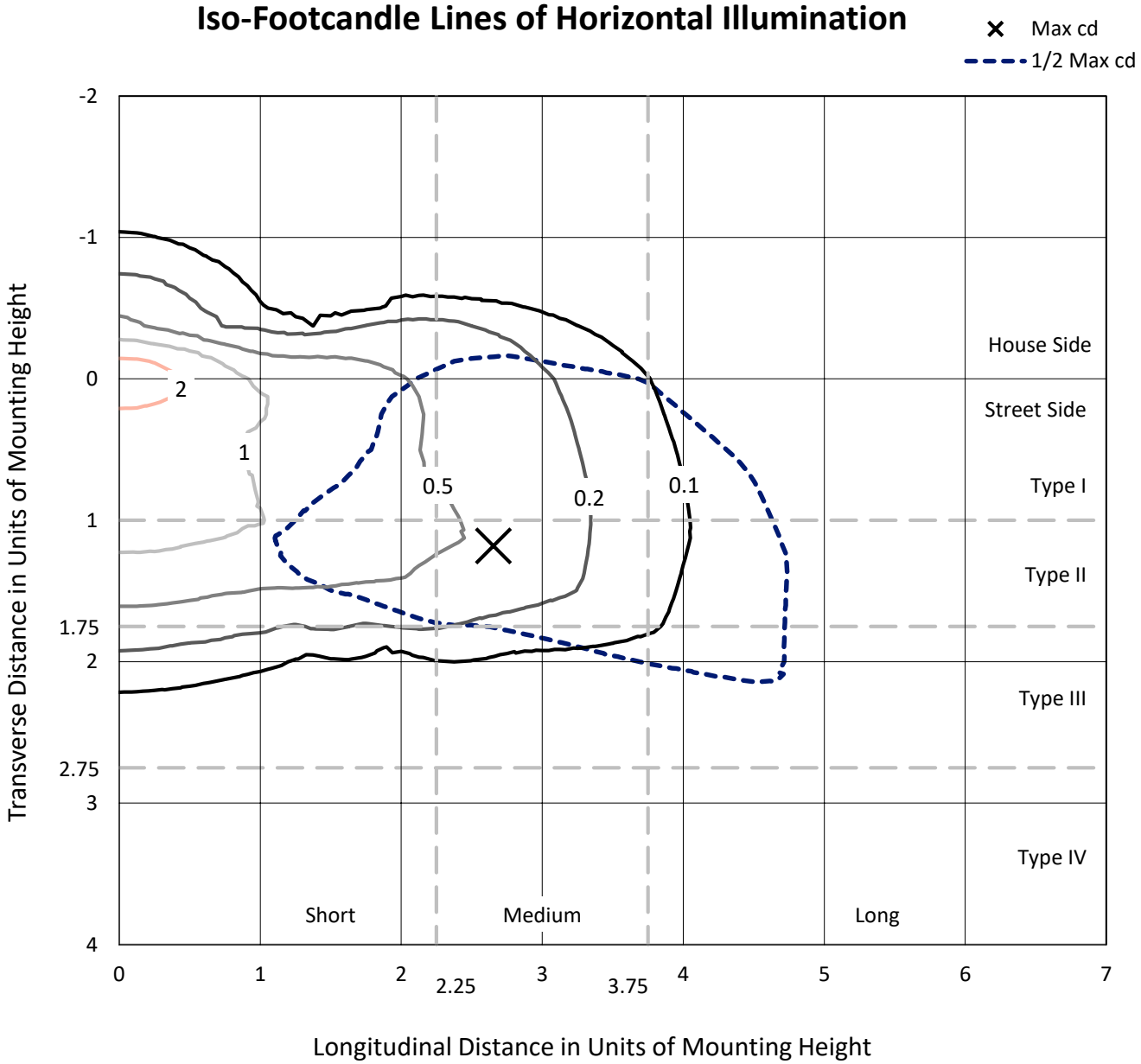
Scaled Data Report

REPORT NUMBER: P319506
CATALOG NUMBER: GLEON-SA2A-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type III - Medium - N/A

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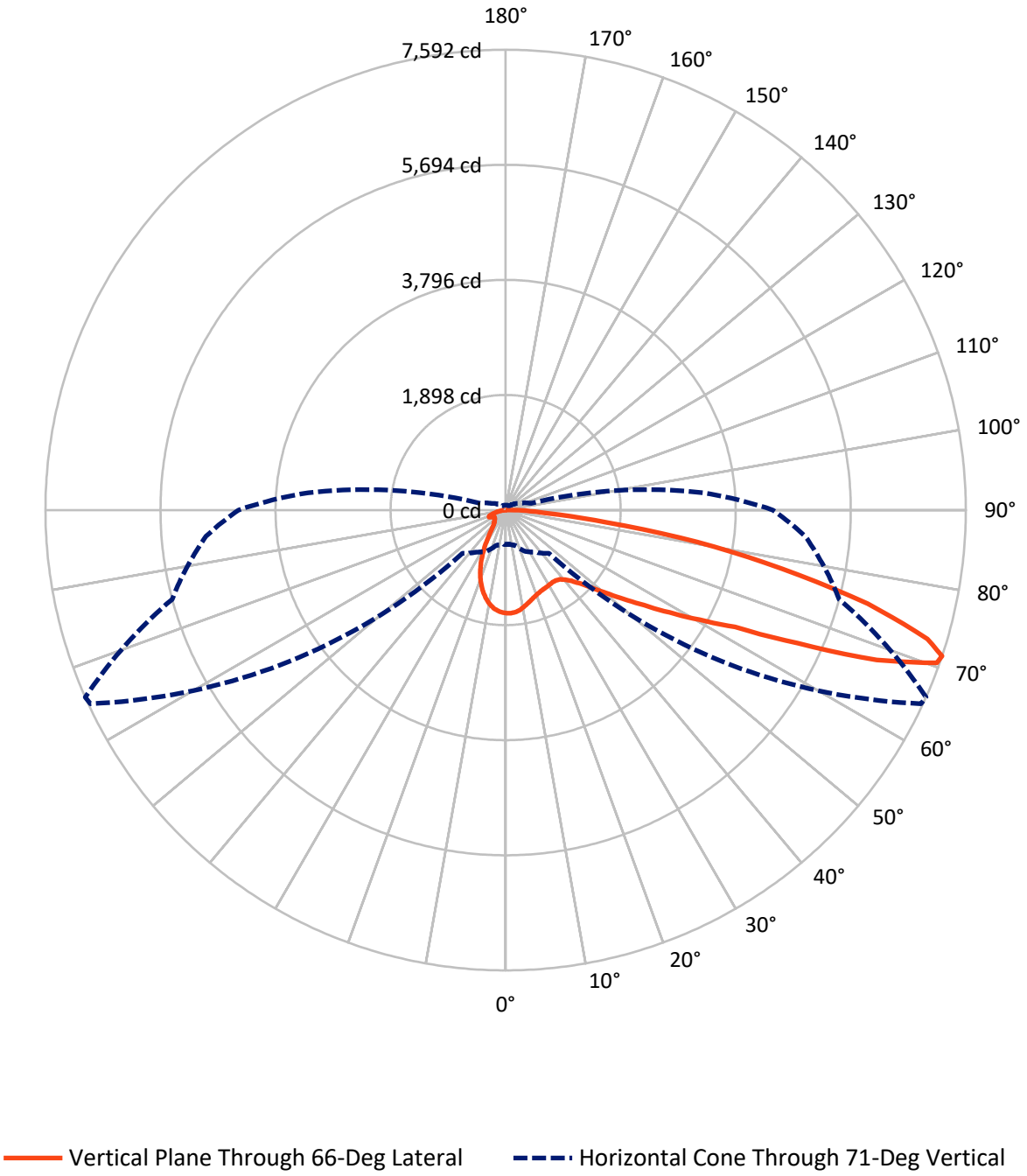
Luminous Intensity Polar Plot



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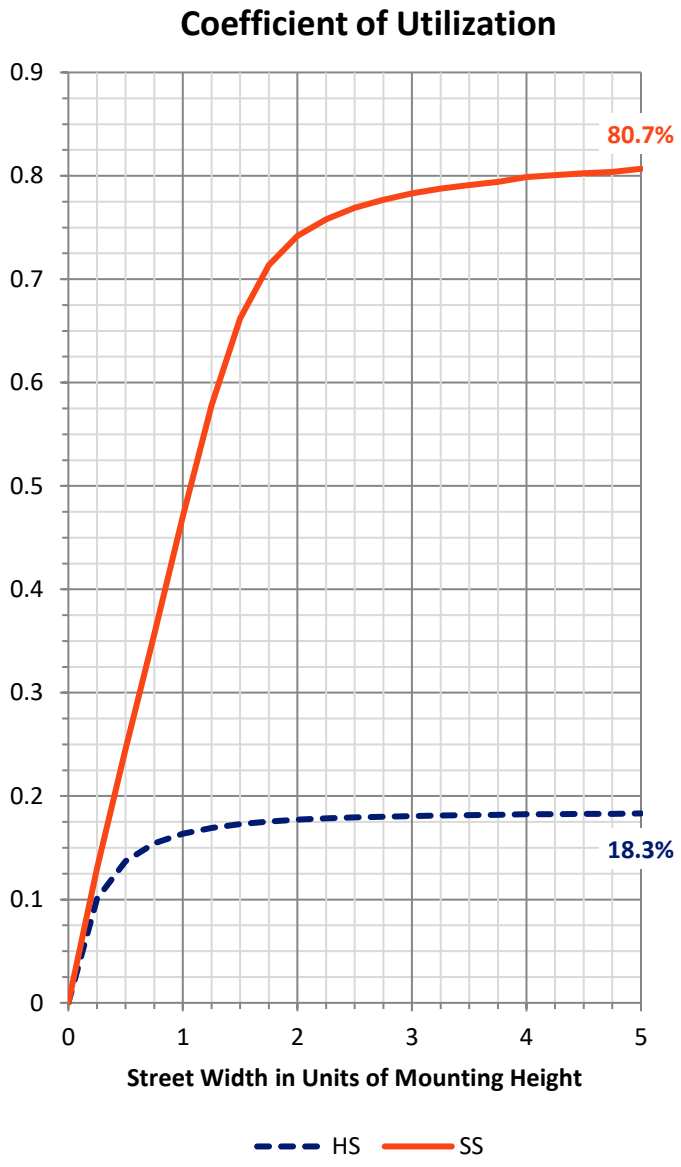
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1375.7	0.0	1375.7
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	6047.3	0.0	6047.3
	% Fixture	81.5	0.0	81.5
Total	Lumens	7423.0	0.0	7423.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	2.0
10°-20°	359.0	4.8
20°-30°	482.2	6.5
30°-40°	634.4	8.5
40°-50°	922.8	12.4
50°-60°	1441.6	19.4
60°-70°	1805.8	24.3
70°-80°	1377.4	18.6
80°-90°	250.1	3.4
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°	7423.0	100.0
0°-180°	7423.0	100.0



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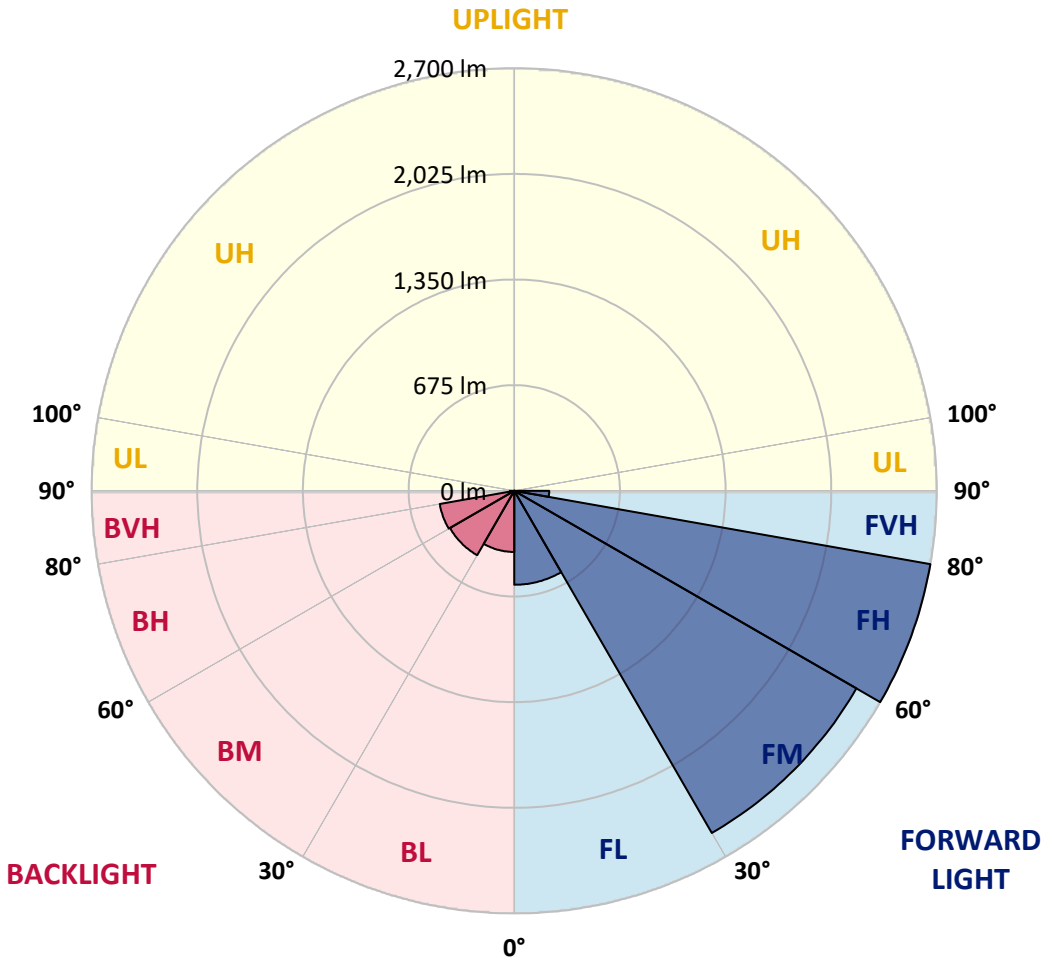
REPORT NUMBER: P319506
CATALOG NUMBER: GLEON-SA2A-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	600.3	8.1			
FM	(30°-60°)	2524.2	34.0			
FH	(60°-80°)	2699.8	36.4			G2/5000
FVH	(80°-90°)	223.0	3.0			G2/225
BL	(0°-30°)	390.7	5.3	B1/500		
BM	(30°-60°)	474.6	6.4	B1/1000		
BH	(60°-80°)	483.4	6.5	B1/500		G1/500
BVH	(80°-90°)	27.1	0.4			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: P319506
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5	*1700.5*	1700.5	1700.5
2.5°	1668.9	1666.4	1674.1	1682.0	1685.1	1690.2	1697.9	1702.3	*1702.0*	1702.8	1700.2
5°	1558.2	1554.9	1570.3	1582.8	1606.9	1634.1	1667.1	1690.7	*1691.2*	1704.6	1708.2
7.5°	1453.4	1451.1	1468.8	1489.0	1517.0	1558.5	1612.0	1662.8	*1665.9*	1702.0	1714.6
10°	1369.3	1368.8	1386.0	1408.0	1440.6	1487.0	1548.5	1622.8	*1627.4*	1689.7	1715.6
12.5°	1303.7	1304.8	1319.6	1344.7	1379.1	1427.5	1494.2	1578.0	*1585.4*	1670.2	1709.7
15°	1255.3	1259.4	1271.4	1296.8	1330.6	1379.9	1448.3	1536.4	*1547.7*	1648.4	1706.4
17.5°	1227.6	1232.2	1240.7	1261.7	1293.5	1340.9	1405.7	1502.4	*1512.6*	1631.8	1706.6
20°	1219.4	1223.3	1228.1	1240.9	1267.9	1310.9	1372.2	1471.6	*1482.6*	1618.5	1709.2
22.5°	1235.6	1238.4	1238.9	1237.9	1254.3	1289.4	1347.8	1449.0	*1460.8*	1609.7	1711.0
25°	1270.2	1274.0	1271.2	1261.7	1256.3	1277.8	1335.3	1434.2	*1446.0*	1603.3	1707.4
27.5°	1322.2	1322.7	1320.4	1308.1	1282.7	1279.1	1331.4	1425.5	*1436.7*	1595.9	1700.0
30°	1392.9	1396.3	1392.2	1375.5	1334.0	1299.6	1336.0	1417.0	*1427.3*	1586.4	1687.9
32.5°	1475.7	1483.9	1483.6	1466.2	1406.8	1345.5	1355.0	1411.9	*1419.8*	1576.4	1673.3
35°	1561.6	1572.8	1593.9	1586.4	1512.9	1418.0	1391.4	1420.1	*1425.5*	1575.1	1663.0
37.5°	1650.7	1662.0	1705.3	1725.3	1639.2	1521.8	1448.8	1449.0	*1451.6*	1590.8	1662.3
40°	1744.0	1756.1	1821.2	1873.2	1803.0	1653.3	1541.3	1509.5	*1506.7*	1629.2	1677.4
42.5°	1874.7	1885.5	1963.7	2030.1	1984.7	1821.7	1669.2	1602.8	*1596.9*	1704.6	1725.8
45°	2040.0	2049.3	2132.3	2203.3	2180.0	2013.9	1829.9	1731.2	*1730.2*	1830.1	1824.0
47.5°	2236.6	2243.8	2318.4	2387.1	2395.5	2235.1	2031.8	1929.3	*1912.7*	2002.4	1976.0
50°	2441.4	2449.3	2500.1	2573.9	2636.7	2531.1	2291.7	2172.0	*2149.7*	2229.7	2191.3
52.5°	2577.0	2587.5	2631.6	2725.1	2907.8	2855.6	2599.0	2466.3	*2432.4*	2505.2	2475.7
55°	2516.5	2540.1	2607.5	2757.4	3124.7	3351.2	2978.1	2809.4	*2771.2*	2831.7	2814.3
57.5°	2241.5	2273.8	2365.8	2597.2	3155.2	3787.9	3551.1	3213.6	*3186.7*	3169.2	3177.2
60°	1738.9	1769.9	1884.0	2185.6	2942.7	4106.7	4413.5	3711.8	*3672.9*	3508.1	3515.2
62.5°	1230.7	1215.1	1293.2	1513.9	2391.2	4144.2	5394.8	4378.2	*4250.0*	3865.8	3834.3
65°	938.5	934.9	970.0	1040.3	1448.3	3696.4	5979.4	5498.1	*5298.0*	4286.7	4212.3
67.5°	771.2	764.8	799.4	901.6	932.6	2384.8	5992.3	6797.5	*6600.9*	4810.5	4649.6
70°	634.1	626.9	659.2	791.2	861.9	1209.4	5043.2	7558.4	*7547.9*	5473.8	4979.7
71°	*568.4*	*563.3*	*602.0*	*748.6*	*846.8*	*1008.0*	*4354.3*	*7560.5*	*7592.0*	*5698.3*	*4960.2*
72.5°	462.9	464.6	505.7	666.3	835.5	890.1	3200.3	7208.1	*7274.7*	5912.3	4783.1
75°	307.5	309.1	362.9	512.6	810.1	870.9	1758.9	6048.4	*6170.9*	5784.1	4364.6
77.5°	206.6	206.1	242.7	351.6	705.8	870.9	1031.3	4523.7	*4658.3*	4602.4	3364.8
80°	142.2	141.2	167.1	242.7	534.4	881.4	797.3	3170.3	*3211.0*	2485.5	1367.5
82.5°	87.1	87.9	109.2	171.5	363.7	793.2	752.7	1728.7	*1684.3*	697.1	341.6
85°	50.0	49.7	69.7	116.1	233.5	669.4	734.0	744.0	*682.5*	209.9	123.5
87.5°	17.9	19.2	37.4	64.3	133.8	466.2	622.8	387.0	*348.8*	94.8	55.9
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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REPORT NUMBER: P319506
CATALOG NUMBER: GLEON-SA2A-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5	1700.5
2.5°	1698.4	1700.0	1698.2	1687.9	1679.2	1665.1	1657.2	1646.1	1642.8	1641.3	1645.4
5°	1704.8	1705.3	1690.2	1663.3	1633.1	1597.4	1571.8	1540.3	1525.4	1519.0	1523.1
7.5°	1710.7	1708.4	1675.3	1623.8	1568.0	1505.9	1450.8	1400.4	1370.9	1358.8	1359.9
10°	1711.5	1701.7	1648.7	1569.0	1482.4	1391.4	1306.8	1228.9	1179.7	1147.7	1157.4
12.5°	1703.5	1687.1	1609.5	1498.0	1377.8	1253.8	1139.5	1022.6	952.4	919.8	920.8
15°	1697.4	1667.7	1561.3	1414.4	1253.0	1088.7	932.6	795.3	720.4	687.1	671.5
17.5°	1692.3	1646.6	1505.4	1320.4	1105.6	897.3	709.7	587.2	546.1	536.4	532.3
20°	1685.1	1624.3	1443.2	1211.5	937.8	683.0	518.2	457.7	458.0	469.3	470.8
22.5°	1675.1	1599.0	1376.8	1089.2	757.6	497.5	406.2	388.8	406.5	428.0	431.8
25°	1660.2	1569.0	1303.0	954.2	577.7	382.4	347.0	346.2	367.8	390.3	393.7
27.5°	1639.2	1529.8	1221.0	809.1	425.7	325.0	310.9	316.3	332.1	348.6	349.8
30°	1611.0	1484.2	1130.5	656.1	333.7	289.3	287.8	292.7	302.4	314.0	315.0
32.5°	1580.0	1437.8	1033.9	508.0	285.8	270.1	271.7	274.0	278.6	283.2	284.2
35°	1551.8	1390.4	934.9	386.0	263.0	257.6	256.5	256.0	256.5	255.0	255.3
37.5°	1533.6	1351.1	831.9	307.3	249.9	246.5	243.5	239.6	235.3	232.7	233.2
40°	1527.0	1321.9	727.6	265.5	239.1	236.8	230.9	222.7	217.6	216.1	216.1
42.5°	1544.9	1306.8	626.9	244.5	230.1	226.3	216.6	207.1	203.2	203.0	202.7
45°	1599.7	1313.0	531.0	233.0	221.9	214.5	201.7	193.8	191.2	191.7	191.4
47.5°	1698.2	1351.7	449.0	225.3	213.7	204.0	189.7	183.2	180.2	180.2	180.4
50°	1865.5	1442.1	383.7	218.9	206.8	194.3	180.9	173.0	168.9	168.6	168.6
52.5°	2109.2	1604.1	342.9	213.5	199.1	185.6	172.2	162.2	157.4	156.3	155.8
55°	2414.7	1836.3	331.6	209.9	188.9	176.1	161.7	151.7	146.3	144.0	143.8
57.5°	2756.4	2118.7	353.9	205.5	178.4	164.8	150.2	140.7	135.1	132.2	132.0
60°	3102.1	2427.0	444.9	199.4	169.7	152.5	138.4	129.7	124.0	121.0	120.5
62.5°	3448.3	2752.0	630.7	198.9	163.5	140.7	126.3	118.9	113.5	110.2	109.4
65°	3838.9	3107.7	841.9	212.5	161.5	129.9	114.0	108.2	103.5	100.5	100.2
67.5°	4287.4	3509.3	821.7	240.4	168.4	120.2	102.5	97.9	94.6	92.0	91.8
70°	4497.8	3446.6	510.8	260.1	178.1	110.7	91.5	88.2	85.6	83.8	83.0
71°	*4409.7*	*3272.5*	*428.3*	*257.8*	*177.1*	*106.6*	*87.1*	*84.6*	*82.0*	*80.5*	*79.7*
72.5°	4169.3	2984.5	357.3	239.9	165.6	99.2	81.5	78.9	76.6	74.8	74.3
75°	3741.3	2665.4	286.0	191.7	132.0	83.8	71.5	68.7	66.9	65.9	64.8
77.5°	2750.2	1902.2	221.2	151.5	97.1	68.4	61.0	58.9	57.2	55.6	54.8
80°	1053.6	736.8	148.9	113.0	71.2	54.1	49.2	48.2	46.4	45.4	45.4
82.5°	283.7	220.2	79.4	68.4	47.7	39.5	37.7	37.2	35.6	33.6	33.8
85°	114.8	97.1	44.6	37.7	29.2	23.3	25.4	25.6	23.8	21.3	21.5
87.5°	50.5	41.3	24.9	16.7	12.8	9.0	11.5	11.5	10.5	8.7	7.9
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

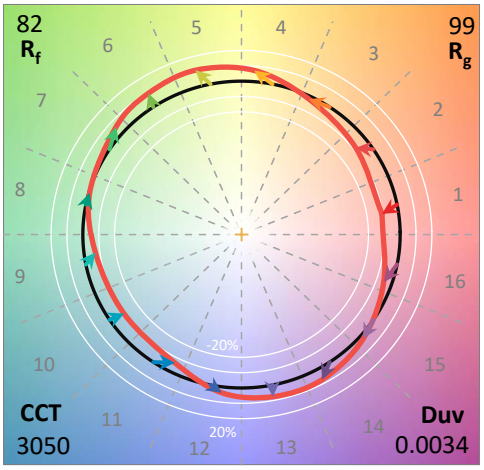
Test Information

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

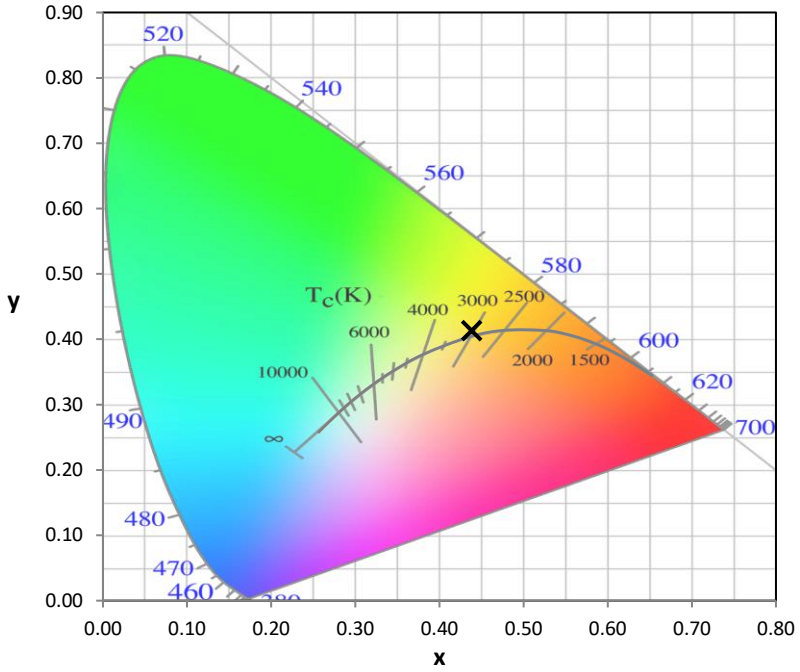
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

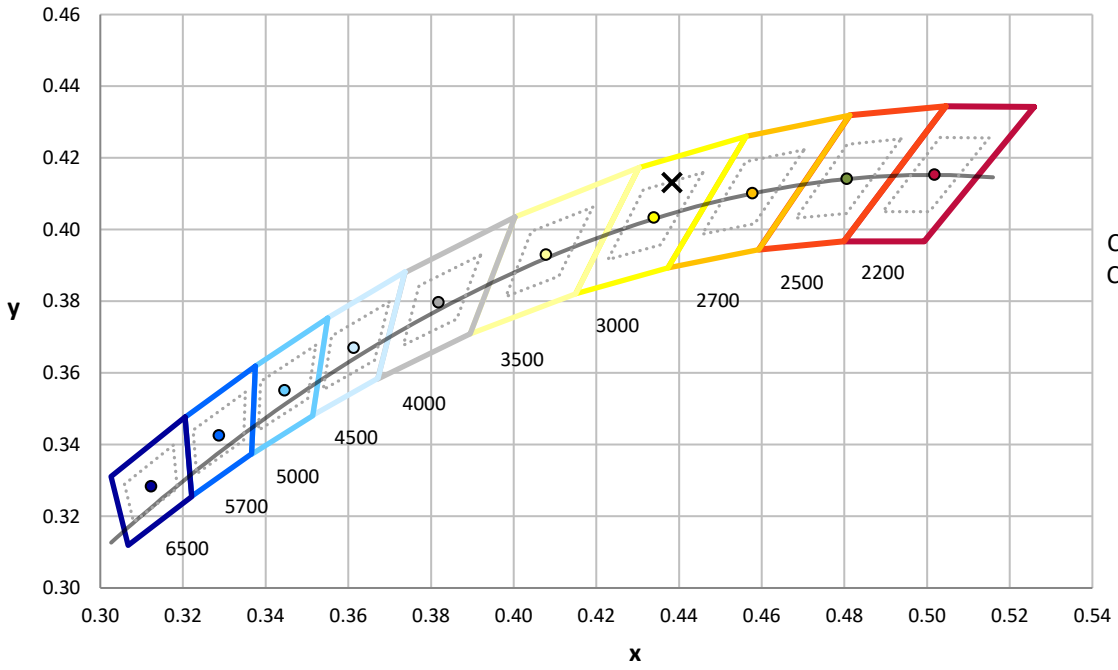
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

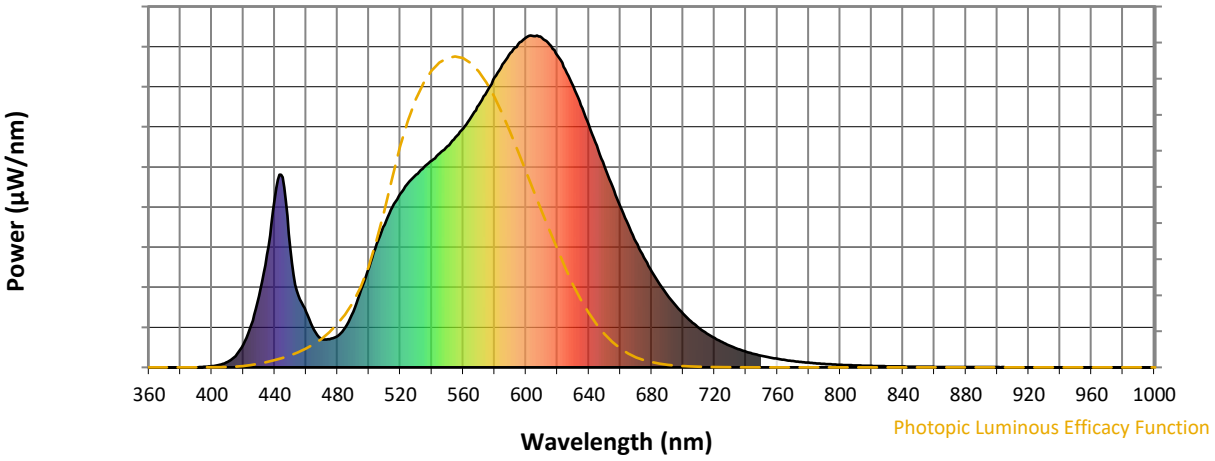


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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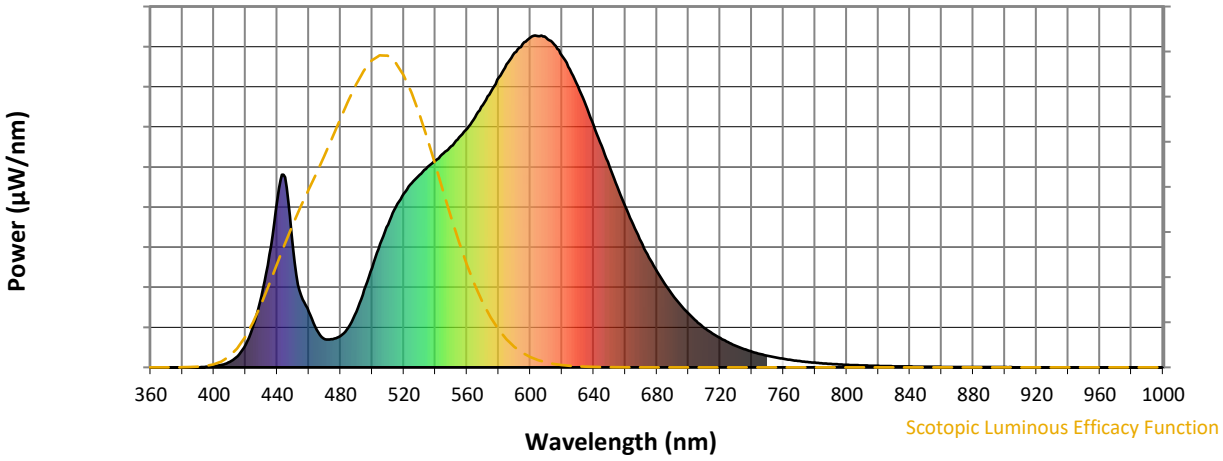
Scotopic Flux vs. Wavelength



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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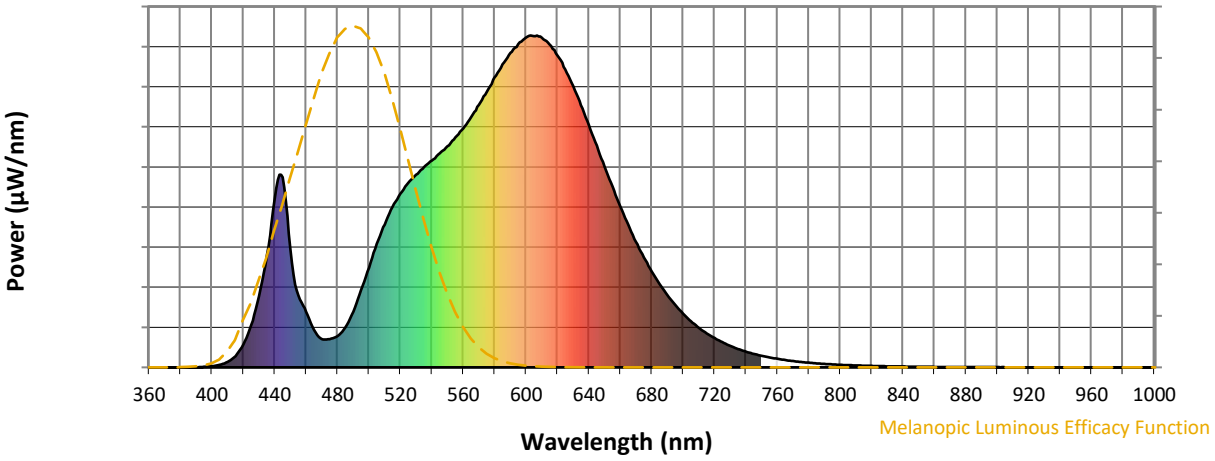
Melanopic Flux vs. Wavelength



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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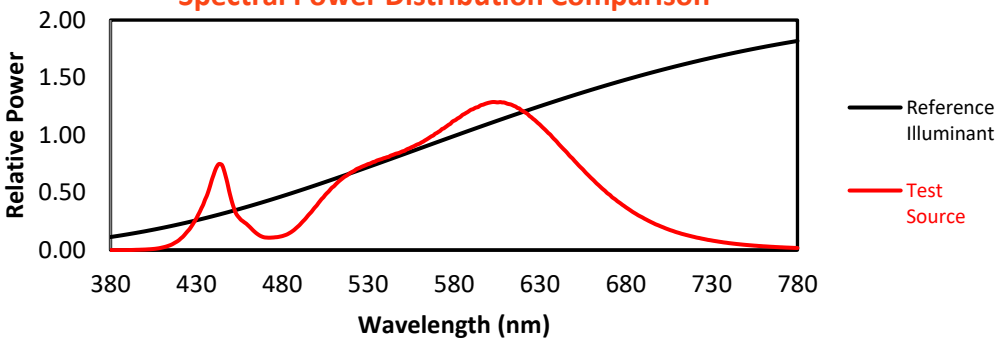
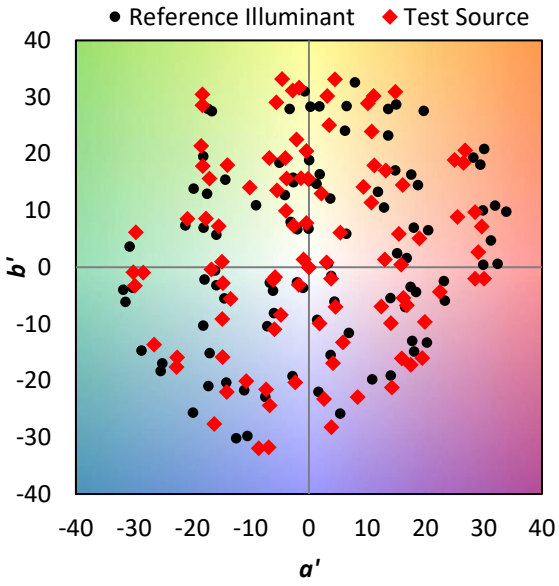
Summary

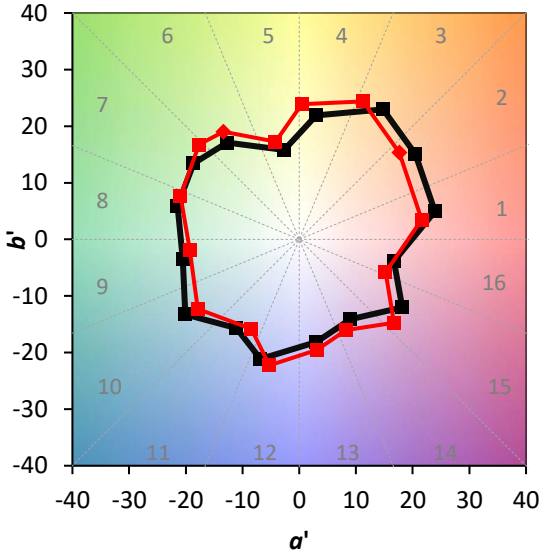
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

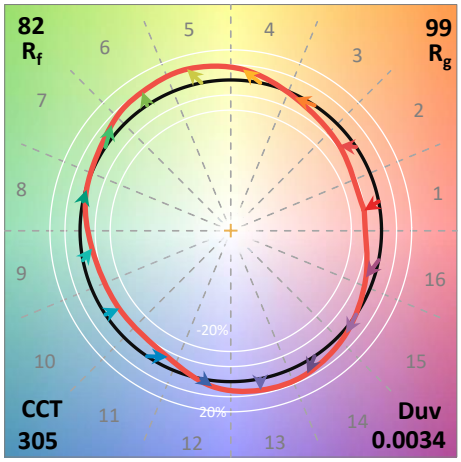
Spectral Power Distribution Comparison

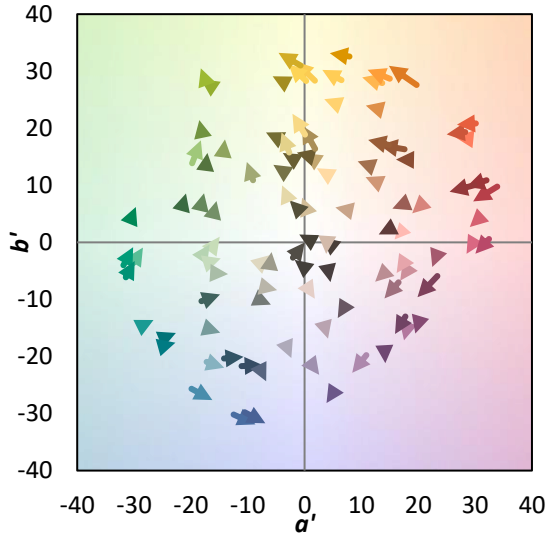


Color Vector Graphics









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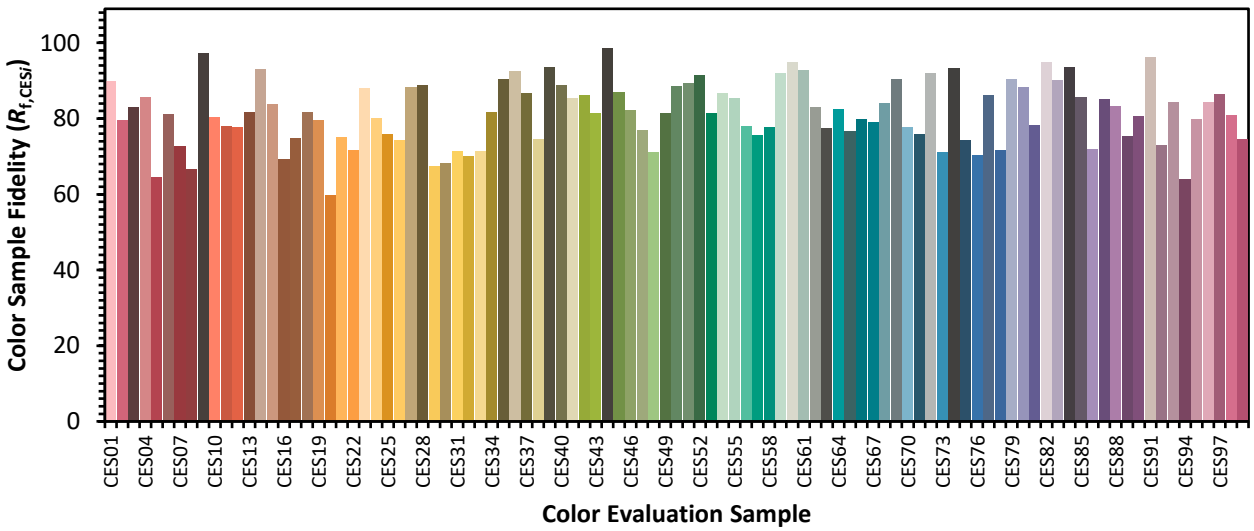
Individual Sample Fidelity Index ($R_{f,i}$)

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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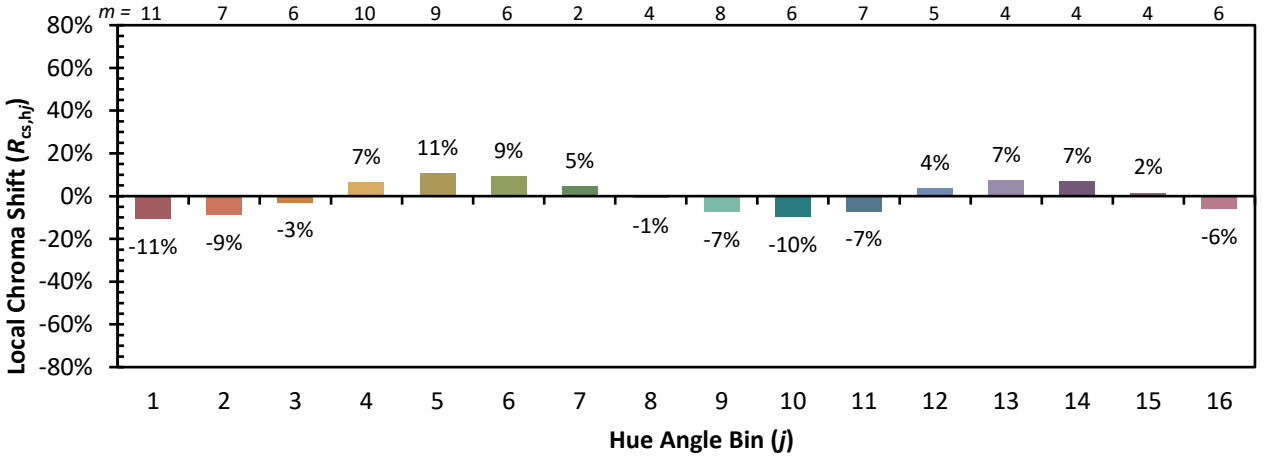
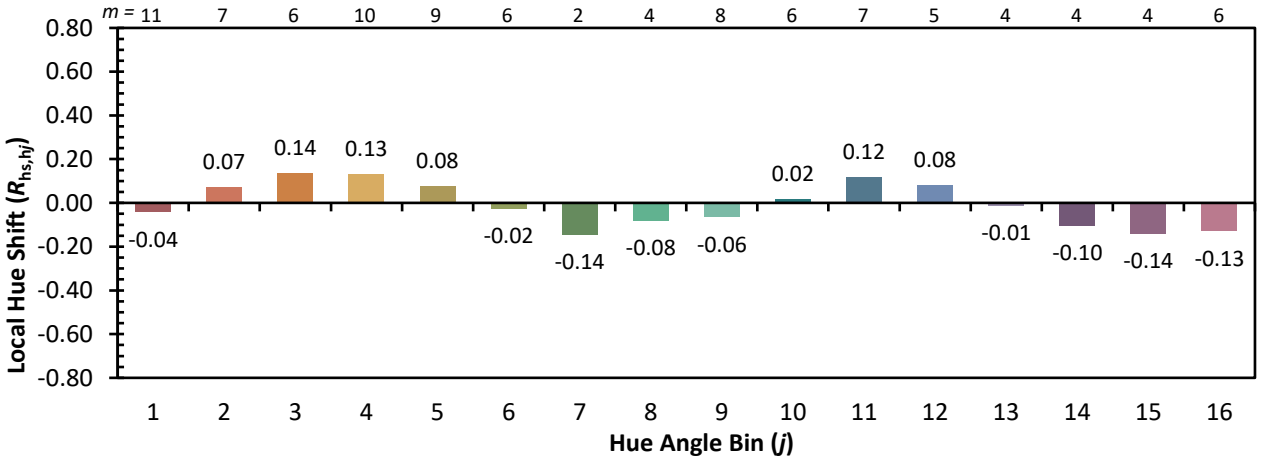
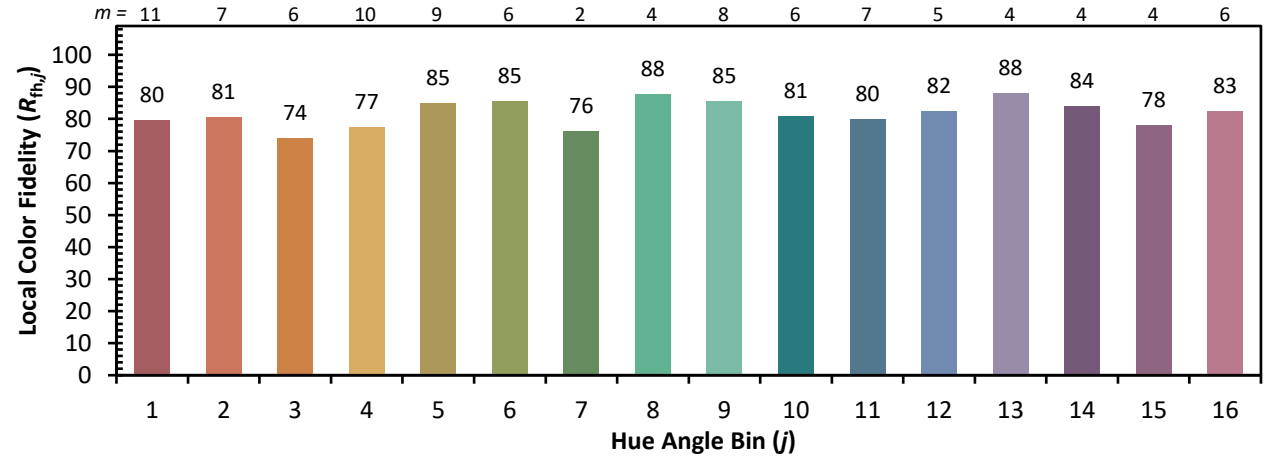
Color Rendition by Hue-Angle Bin







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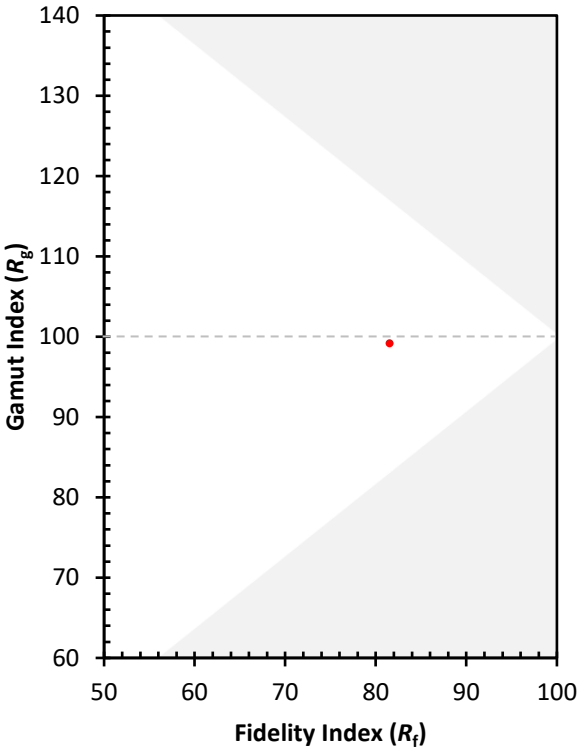
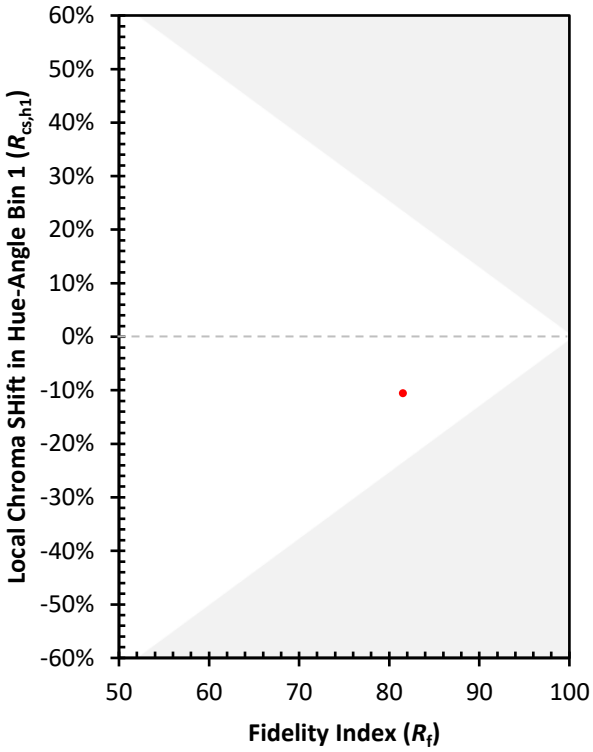
Measure Comparisons





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