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: P319206

Luminaire Tested: **GLEON-SA2C-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:	P319206
	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-SA2C-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11420 lumens
Efficiency:	N/A
Efficacy:	101.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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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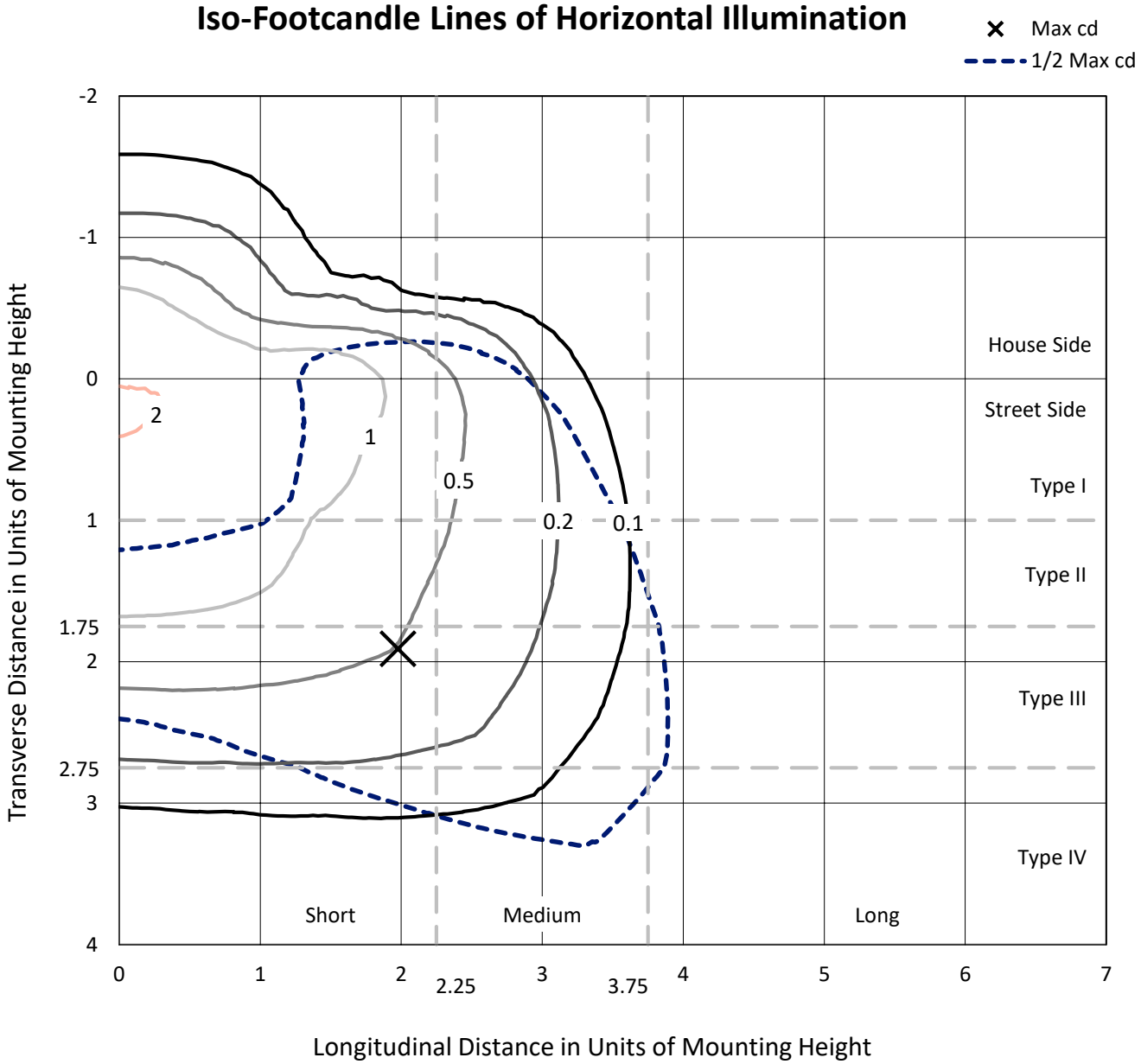
Scaled Data Report

REPORT NUMBER: P319206
CATALOG NUMBER: GLEON-SA2C-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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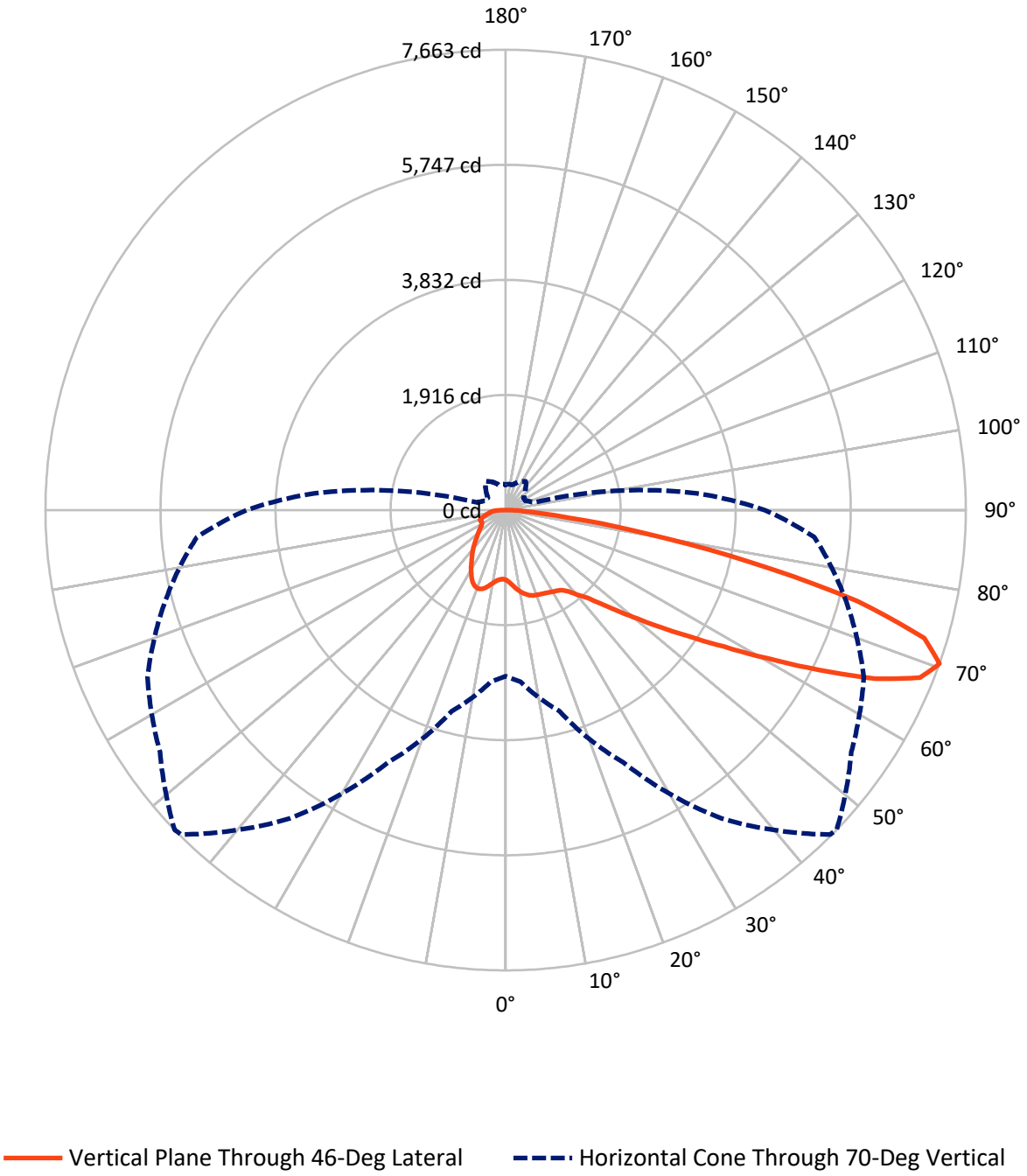
Luminous Intensity Polar Plot



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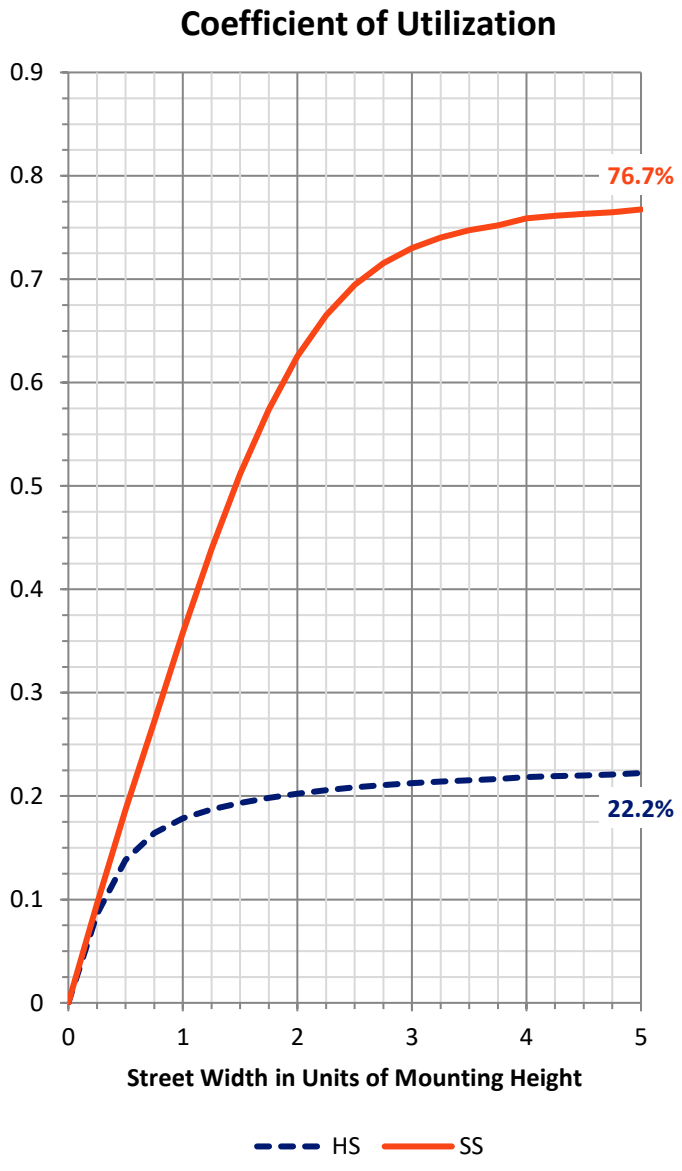
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2617.4	0.0	2617.4
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	8802.6	0.0	8802.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	11420.0	0.0	11420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.0
10°-20°	395.2	3.5
20°-30°	658.9	5.8
30°-40°	935.0	8.2
40°-50°	1375.3	12.0
50°-60°	2329.1	20.4
60°-70°	3306.2	29.0
70°-80°	2008.5	17.6
80°-90°	293.1	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°	11420.0	100.0
0°-180°	11420.0	100.0



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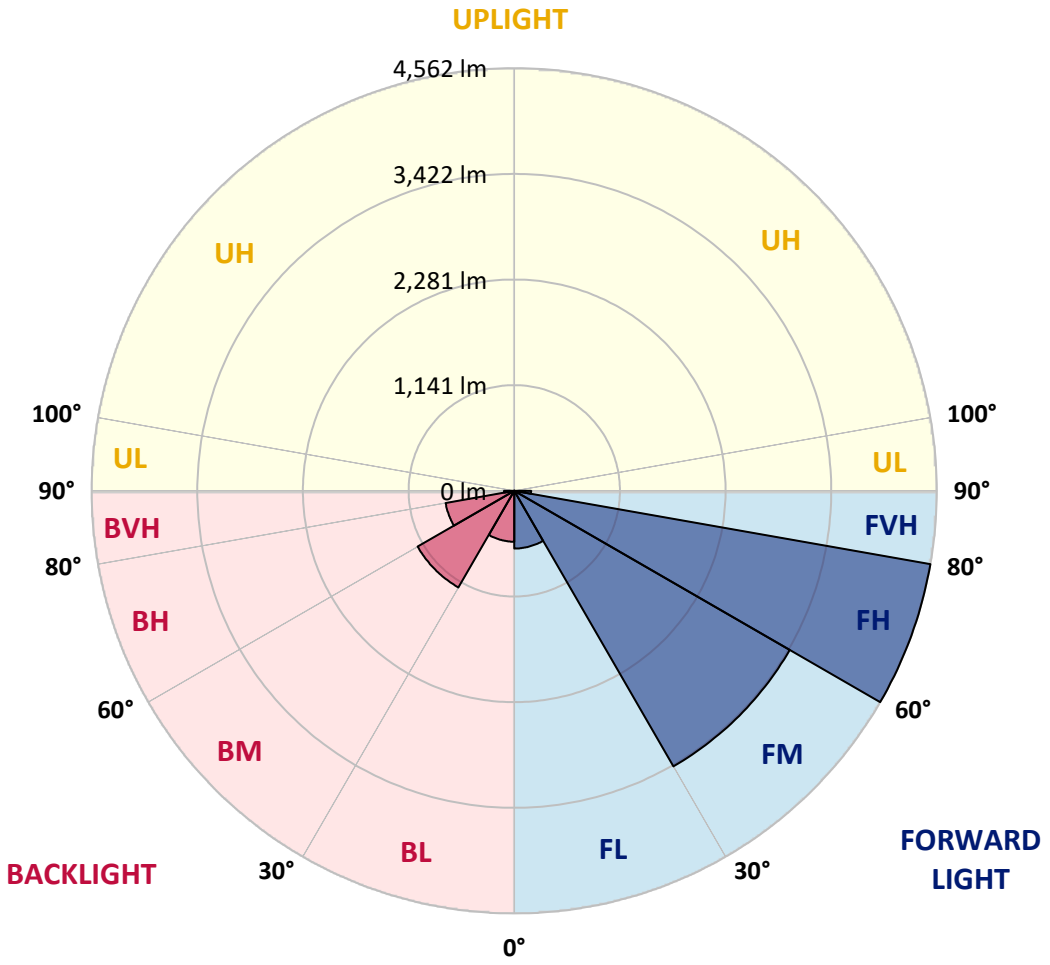
CATALOG NUMBER: GLEON-SA2C-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	623.1	5.5			
FM	(30°-60°)	3434.6	30.1			
FH	(60°-80°)	4562.2	39.9			G2/5000
FVH	(80°-90°)	182.6	1.6			G2/225
BL	(0°-30°)	549.5	4.8	B2/1000		
BM	(30°-60°)	1204.9	10.6	B2/2500		
BH	(60°-80°)	752.5	6.6	B2/1000		G2/1000
BVH	(80°-90°)	110.5	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: P319206
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1163.5	1163.5	1163.5	1163.5	1163.5	1163.5	*1163.5*	1163.5	1163.5	1163.5	1163.5
2.5°	1221.7	1222.5	1224.1	1220.1	1209.2	1206.1	*1204.9*	1193.6	1186.1	1175.2	1165.8
5°	1319.4	1320.2	1317.8	1306.9	1282.7	1264.7	*1263.1*	1237.3	1213.9	1188.9	1170.1
7.5°	1421.4	1422.6	1415.2	1394.4	1360.4	1329.2	*1327.2*	1292.1	1256.5	1218.6	1190.4
10°	1511.7	1507.0	1494.9	1466.0	1425.7	1387.4	*1385.9*	1349.1	1308.1	1262.4	1224.8
12.5°	1571.9	1568.0	1552.3	1517.2	1473.0	1437.8	*1434.7*	1400.7	1360.8	1310.8	1265.9
15°	1605.1	1607.8	1586.7	1546.9	1503.9	1474.2	*1471.4*	1447.2	1411.6	1361.2	1309.6
17.5°	1609.4	1611.7	1591.4	1552.0	1516.8	1496.5	*1495.3*	1479.3	1453.5	1405.0	1351.1
20°	1584.4	1586.0	1569.1	1536.7	1513.7	1507.4	*1507.0*	1500.0	1480.8	1437.8	1385.5
22.5°	1548.0	1549.2	1537.1	1513.7	1505.8	1515.6	*1518.3*	1515.6	1501.9	1461.7	1412.4
25°	1539.1	1538.3	1525.8	1501.9	1508.6	1529.3	*1532.8*	1534.0	1524.6	1489.4	1446.8
27.5°	1582.4	1579.7	1555.9	1517.6	1521.9	1546.9	*1551.6*	1562.9	1557.0	1526.2	1485.9
30°	1707.9	1703.2	1654.3	1577.0	1555.9	1568.8	*1574.6*	1592.6	1593.8	1568.0	1537.9
32.5°	1919.7	1913.9	1826.3	1688.0	1613.3	1591.0	*1596.5*	1623.5	1637.9	1618.0	1585.6
35°	2187.4	2180.8	2065.9	1876.7	1709.5	1633.6	*1637.5*	1659.0	1688.0	1659.8	1616.8
37.5°	2466.5	2450.4	2339.8	2098.7	1862.3	1724.7	*1724.7*	1727.4	1741.1	1682.5	1653.6
40°	2744.0	2727.9	2627.9	2359.8	2060.0	1868.1	*1859.1*	1798.6	1787.6	1737.2	1727.4
42.5°	3001.9	2997.2	2938.2	2654.8	2292.2	2009.2	*1996.7*	1893.9	1896.3	1865.0	1865.4
45°	3276.3	3276.3	3228.2	2952.7	2562.6	2235.9	*2223.4*	2072.1	2095.6	2081.1	2115.9
47.5°	3500.2	3507.2	3500.6	3263.0	2877.2	2523.9	*2501.3*	2319.1	2384.8	2434.4	2535.6
50°	3728.8	3739.8	3740.9	3603.4	3257.5	2866.3	*2840.5*	2647.0	2793.6	2935.8	3134.8
52.5°	4060.6	4085.3	3987.2	3943.0	3723.4	3272.7	*3247.3*	3068.7	3313.4	3513.1	3855.8
55°	4368.2	4346.7	4276.8	4304.1	4222.0	3735.5	*3716.3*	3559.6	3892.6	4152.1	4597.2
57.5°	4534.7	4533.1	4603.5	4720.7	4759.8	4306.1	*4290.0*	4137.6	4545.6	4740.7	5293.3
60°	4730.1	4732.8	4907.1	5173.3	5334.3	5016.6	*5009.5*	4893.9	5179.9	5290.2	5839.3
62.5°	4757.5	4806.7	5106.9	5564.9	5872.1	5846.7	*5862.3*	5575.1	5747.4	5728.7	6246.9
65°	4442.9	4507.7	5051.0	5683.3	6406.7	6754.6	*6769.0*	6260.2	6194.9	6103.5	6392.7
67.5°	3798.0	3894.1	4484.3	5425.8	6583.0	7425.6	*7445.9*	6791.3	6566.2	6230.5	6041.7
70°	*2763.9*	*2870.6*	*3464.6*	*4634.0*	*6268.8*	*7640.2*	*7663.2*	*7026.2*	*6580.3*	*5869.0*	*5157.7*
72.5°	1669.6	1753.2	2242.9	3411.5	5290.9	7249.3	*7290.4*	6728.4	6007.7	4971.2	3808.6
75°	733.2	787.9	1084.5	1965.8	3787.8	5997.9	*6049.1*	5759.1	4881.4	3612.8	2251.1
77.5°	312.3	327.9	444.8	853.9	2141.3	4098.5	*4168.9*	4208.0	3311.8	1965.8	951.3
80°	194.6	200.9	251.7	386.5	1002.1	2301.9	*2377.8*	2475.9	1644.6	722.6	332.2
82.5°	118.4	125.5	167.3	233.7	521.7	1043.5	*1079.8*	1149.0	638.2	312.3	172.0
85°	71.1	76.2	102.4	147.7	297.0	410.4	*410.0*	453.4	300.5	200.9	90.7
87.5°	34.0	37.9	54.7	76.6	149.7	154.0	*144.2*	163.4	182.5	131.7	45.7
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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Scaled Data Report

REPORT NUMBER: P319206
CATALOG NUMBER: GLEON-SA2C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1163.5	1163.5	1163.5	1163.5	1163.5	1163.5	1163.5	1163.5	1163.5	1163.5	1163.5
2.5°	1162.7	1161.1	1156.0	1152.1	1151.4	1149.0	1147.1	1148.2	1149.8	1150.2	1150.2
5°	1162.3	1158.0	1151.4	1148.6	1152.1	1156.8	1162.7	1170.5	1175.2	1178.7	1181.1
7.5°	1181.1	1172.9	1165.4	1163.9	1170.9	1183.4	1196.7	1213.1	1224.4	1232.3	1233.8
10°	1212.3	1202.2	1194.7	1196.3	1208.8	1226.8	1245.5	1266.7	1283.8	1294.4	1295.2
12.5°	1248.3	1238.5	1231.5	1238.1	1258.8	1280.7	1300.3	1318.6	1334.3	1344.8	1344.8
15°	1289.7	1282.7	1274.5	1289.7	1317.8	1337.4	1345.6	1354.6	1363.2	1371.0	1369.4
17.5°	1329.6	1322.9	1318.6	1336.6	1365.9	1374.9	1369.4	1362.8	1362.8	1367.1	1367.9
20°	1364.0	1358.1	1360.8	1378.4	1393.7	1384.3	1364.0	1342.9	1334.3	1336.6	1339.0
22.5°	1394.1	1391.3	1399.5	1407.7	1396.8	1364.0	1326.4	1297.9	1287.4	1286.6	1287.4
25°	1429.2	1428.8	1439.0	1424.2	1375.7	1315.1	1264.7	1236.9	1231.1	1235.8	1243.6
27.5°	1473.0	1477.3	1482.4	1428.1	1332.7	1241.2	1190.1	1170.9	1176.8	1188.1	1195.5
30°	1528.9	1540.6	1529.7	1418.3	1271.0	1156.8	1108.0	1102.5	1118.5	1134.6	1142.4
32.5°	1583.2	1601.6	1575.0	1392.9	1191.2	1067.3	1029.4	1027.9	1047.4	1063.0	1074.0
35°	1627.0	1663.3	1609.0	1342.5	1099.0	984.9	957.1	946.6	953.6	972.0	984.5
37.5°	1684.0	1744.6	1632.5	1265.5	998.9	916.9	884.4	860.2	853.9	861.4	867.6
40°	1788.4	1868.5	1643.4	1158.0	901.2	848.9	816.0	780.5	755.8	737.9	738.3
42.5°	1958.8	2029.9	1636.4	1027.5	811.0	782.4	745.3	704.3	664.4	623.8	620.6
45°	2235.5	2269.9	1615.3	889.1	731.6	712.9	678.1	637.0	583.9	537.8	533.5
47.5°	2678.3	2602.1	1582.4	768.4	661.7	653.8	621.8	574.5	518.2	481.1	478.0
50°	3282.1	3081.6	1566.4	672.2	599.9	602.3	576.1	526.0	472.9	445.5	442.4
52.5°	4004.4	3640.1	1597.3	598.0	550.3	558.5	538.9	492.0	447.5	426.0	422.9
55°	4753.6	4218.5	1630.5	544.0	503.4	519.4	512.8	474.1	433.8	413.9	411.1
57.5°	5394.9	4650.4	1564.1	500.3	461.6	486.6	492.4	462.7	426.8	408.8	405.7
60°	5798.6	4824.3	1389.8	459.2	428.3	460.4	480.7	459.6	429.5	427.9	425.6
62.5°	5990.1	4809.1	1128.3	426.8	407.6	449.1	489.3	477.2	460.8	474.8	476.0
65°	5904.1	4579.3	840.3	405.3	392.8	453.4	515.1	510.4	469.8	483.8	485.8
67.5°	5338.2	4030.9	622.2	386.5	376.4	465.5	562.0	521.4	452.2	462.3	456.1
70°	*4314.7*	*3195.7*	*479.9*	*365.4*	*359.6*	*463.9*	*583.1*	*514.7*	*433.0*	*435.4*	*418.6*
72.5°	2975.3	2179.2	390.4	345.9	335.3	422.9	568.3	498.3	417.0	399.0	376.8
75°	1618.0	1169.7	331.8	325.6	292.7	371.3	540.9	486.6	402.5	378.7	366.2
77.5°	636.6	485.4	288.0	297.8	256.0	327.9	510.4	464.3	382.6	351.3	345.1
80°	259.9	247.8	238.8	257.6	220.0	286.9	473.7	438.1	358.8	325.9	313.4
82.5°	147.3	154.0	185.6	203.2	178.6	264.2	456.1	417.0	330.2	291.9	277.1
85°	75.4	90.3	129.4	145.8	131.3	224.7	420.1	365.0	265.0	223.5	224.7
87.5°	36.3	50.4	81.7	91.5	85.2	162.6	313.8	264.6	206.4	163.4	158.3
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

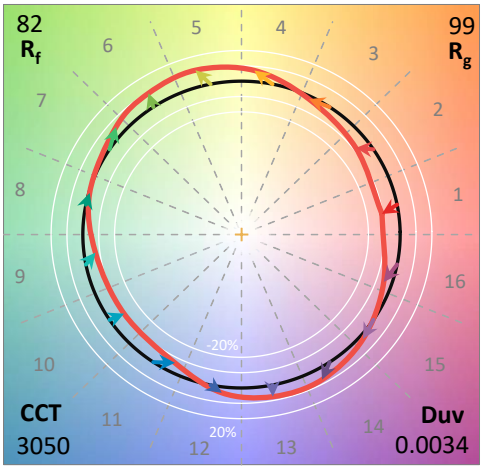
Test Information

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

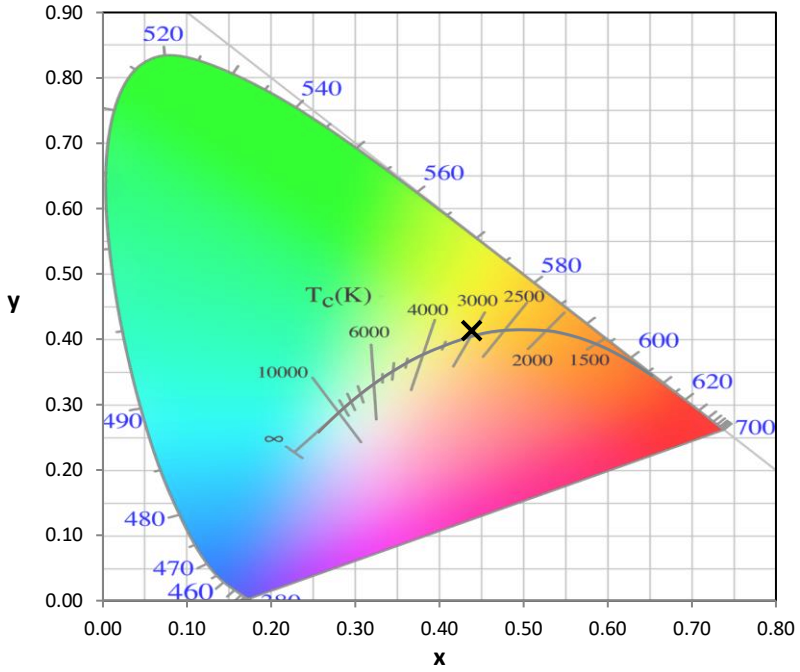
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

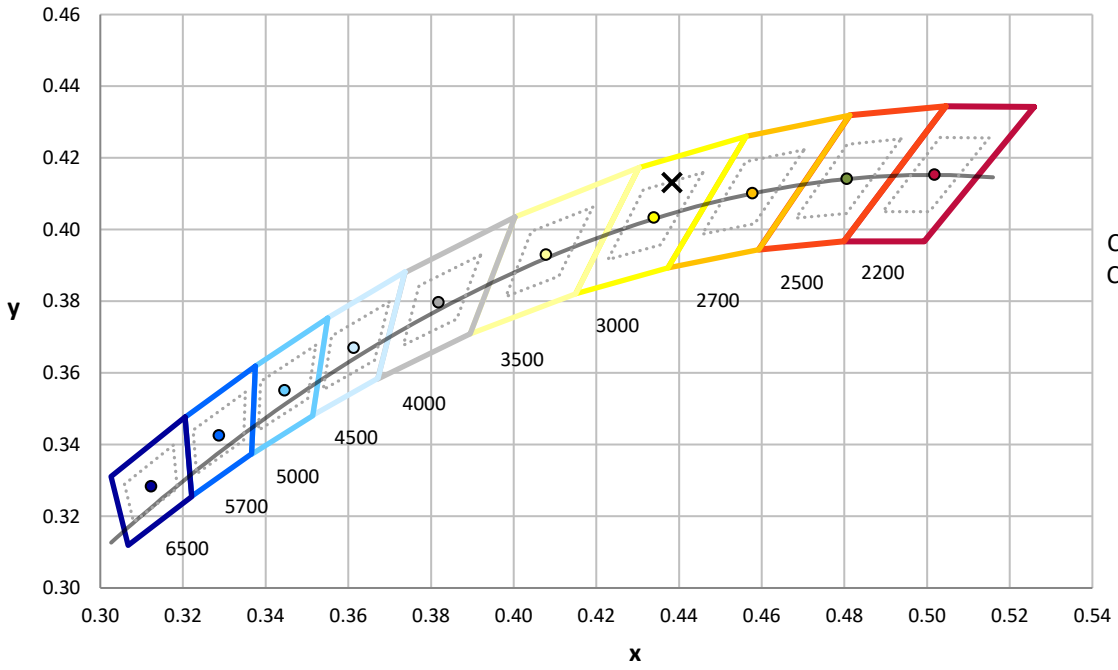
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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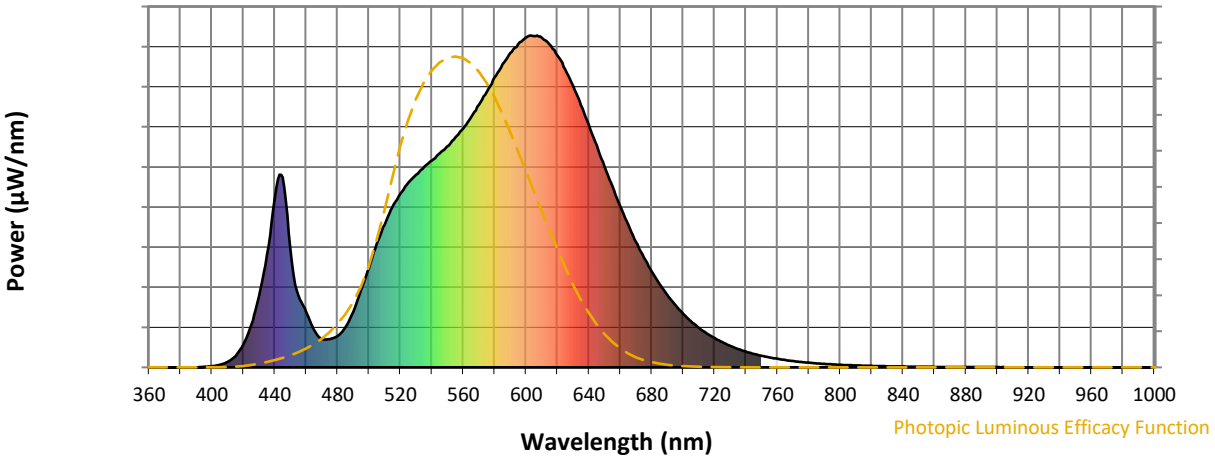
Photopic Flux vs. Wavelength



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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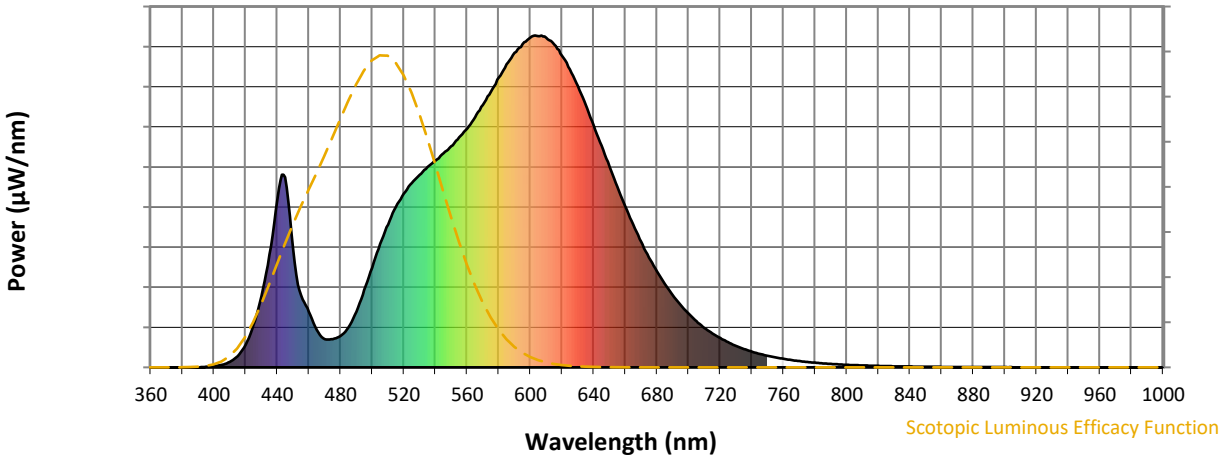
Scotopic Flux vs. Wavelength



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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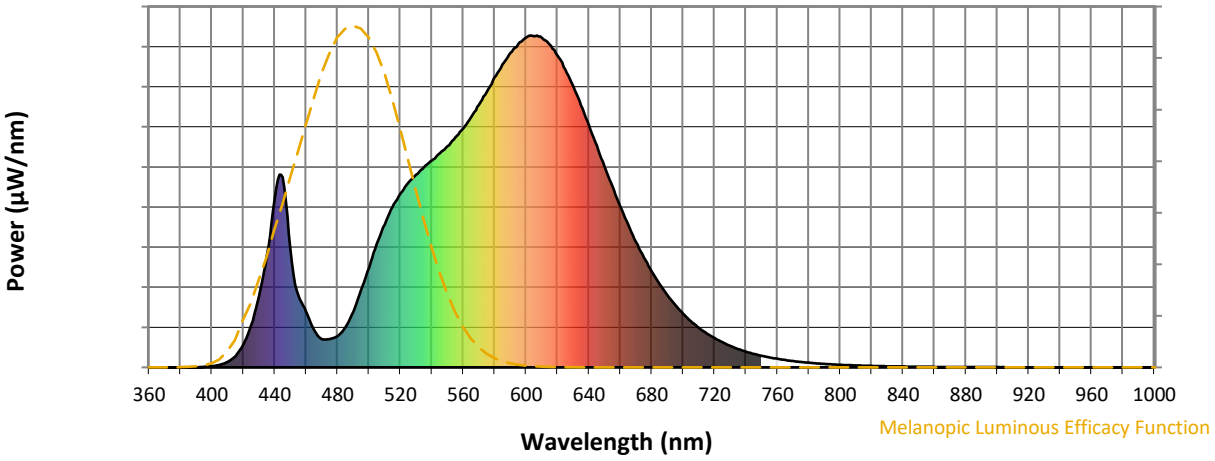
Melanopic Flux vs. Wavelength



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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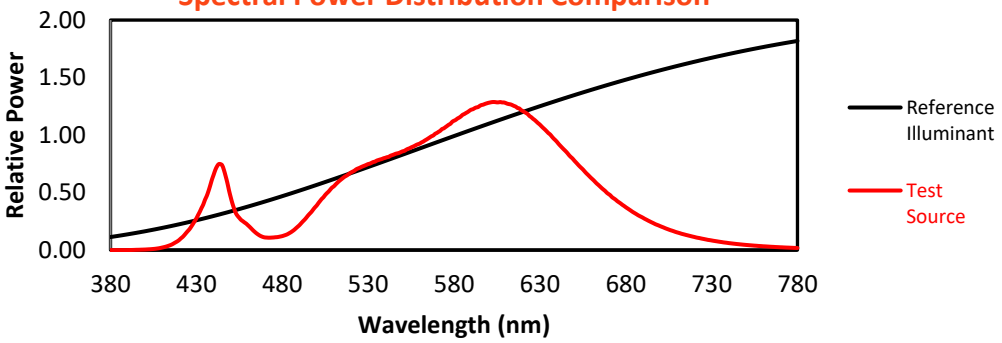
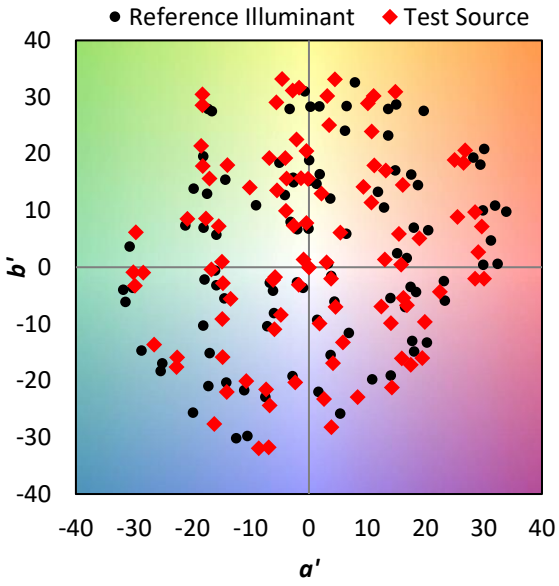
Summary

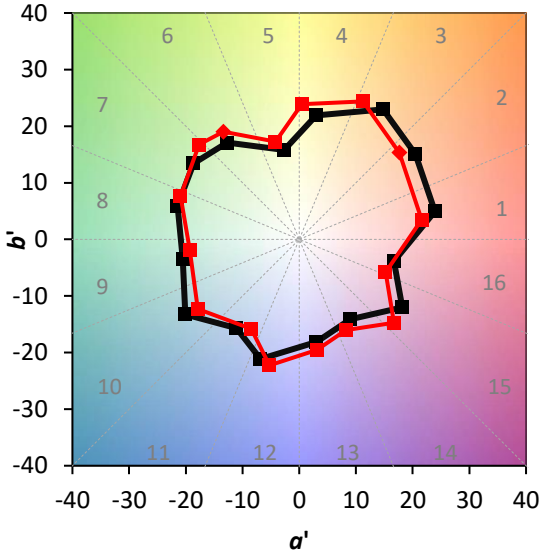
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

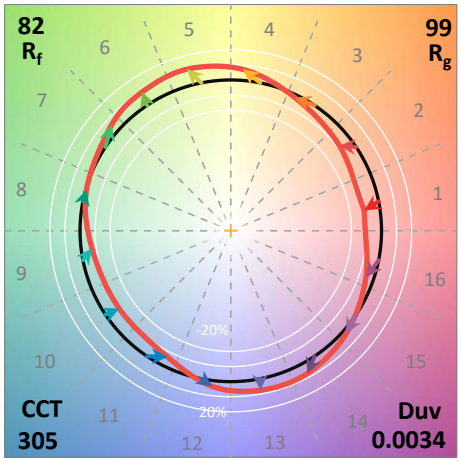
Spectral Power Distribution Comparison

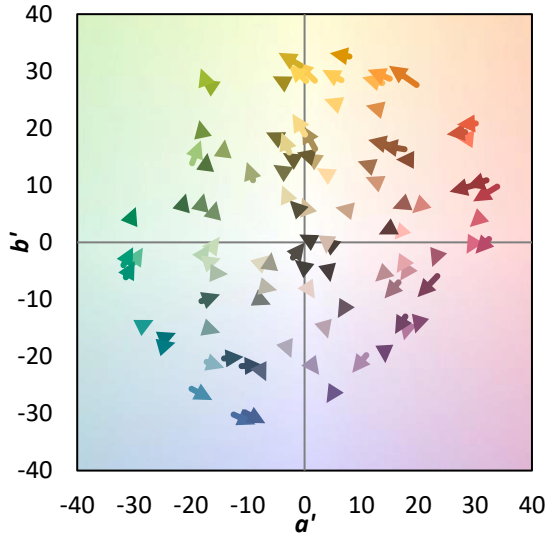


Color Vector Graphics









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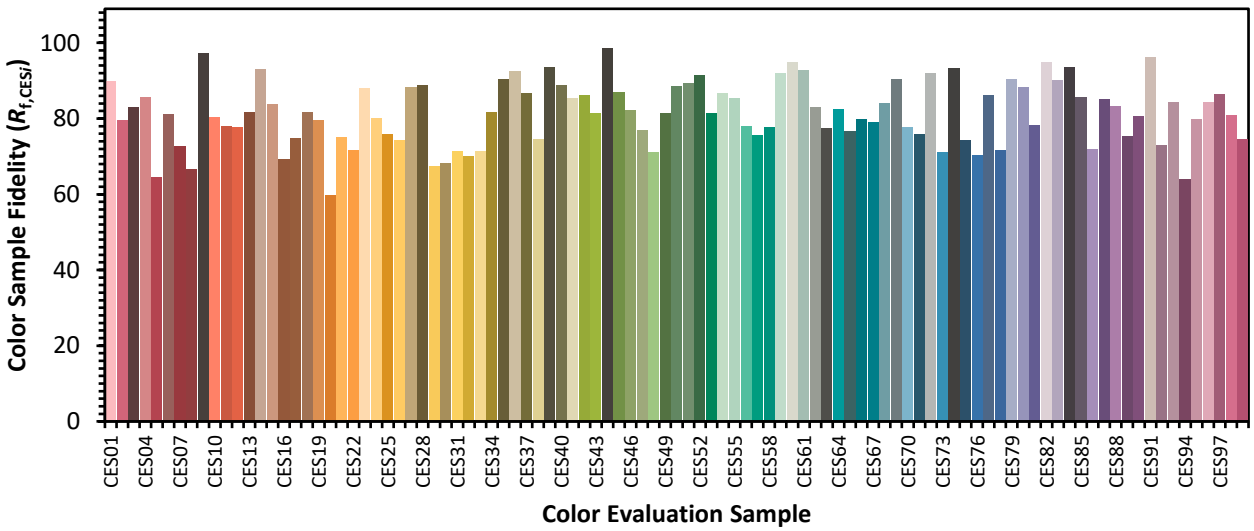
Individual Sample Fidelity Index ($R_{f,i}$)

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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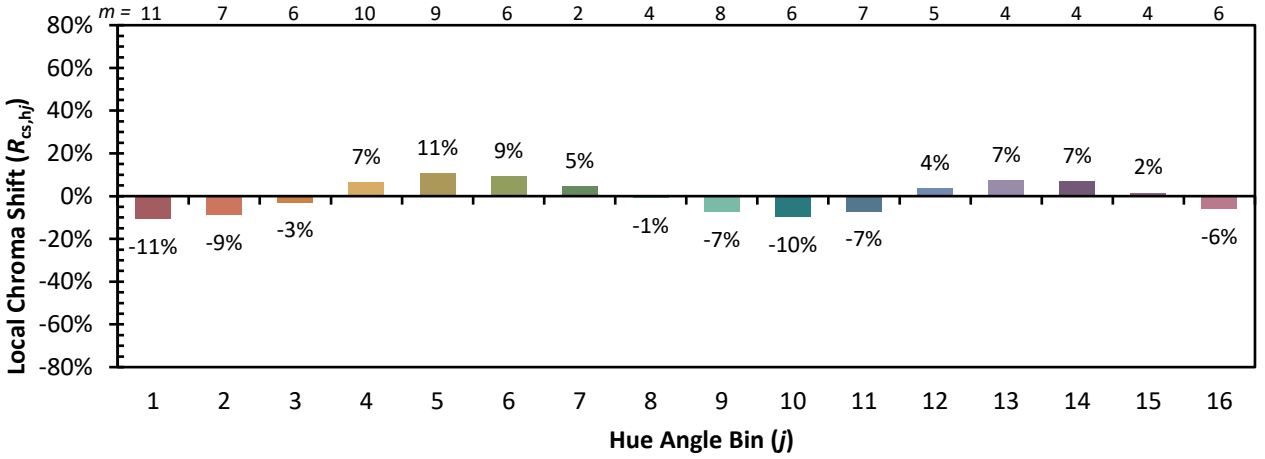
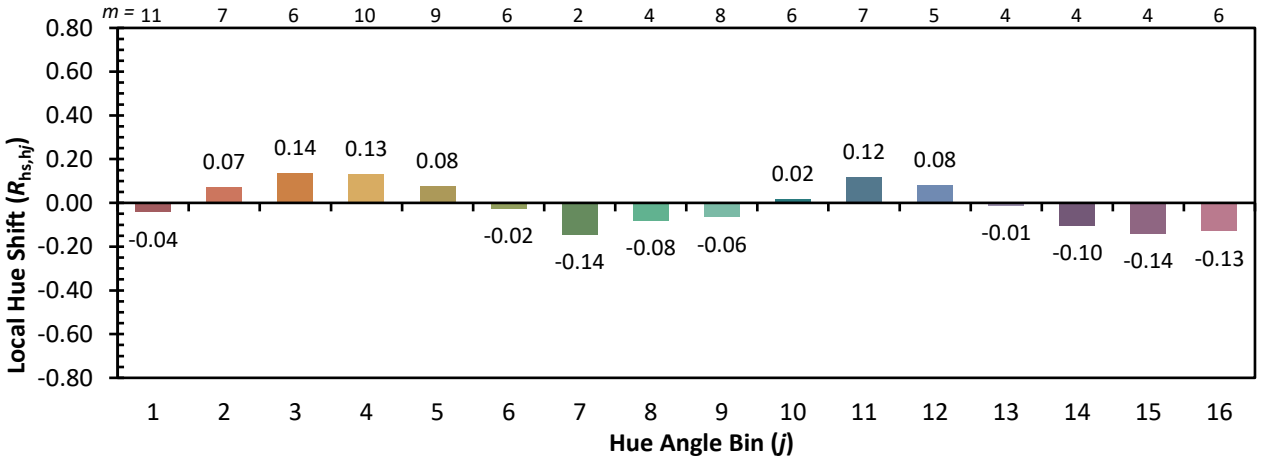
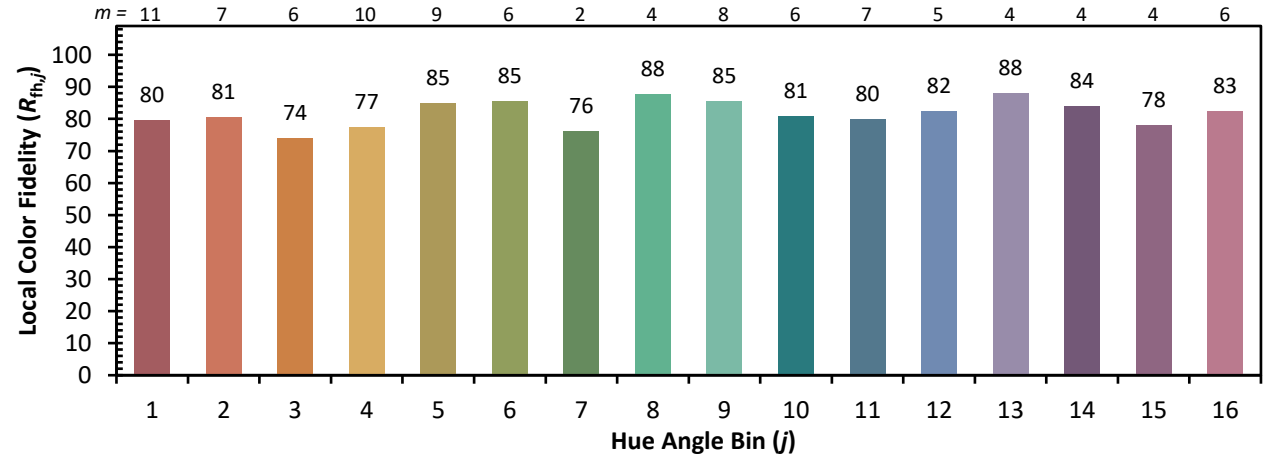
Color Rendition by Hue-Angle Bin







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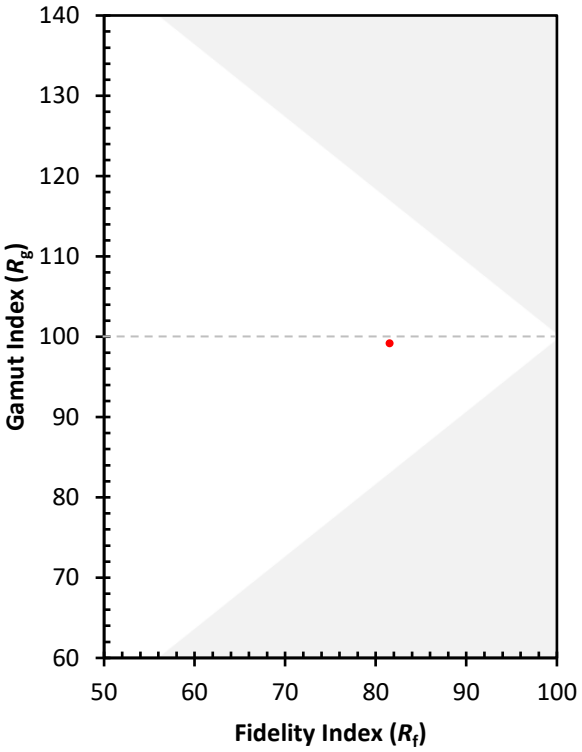
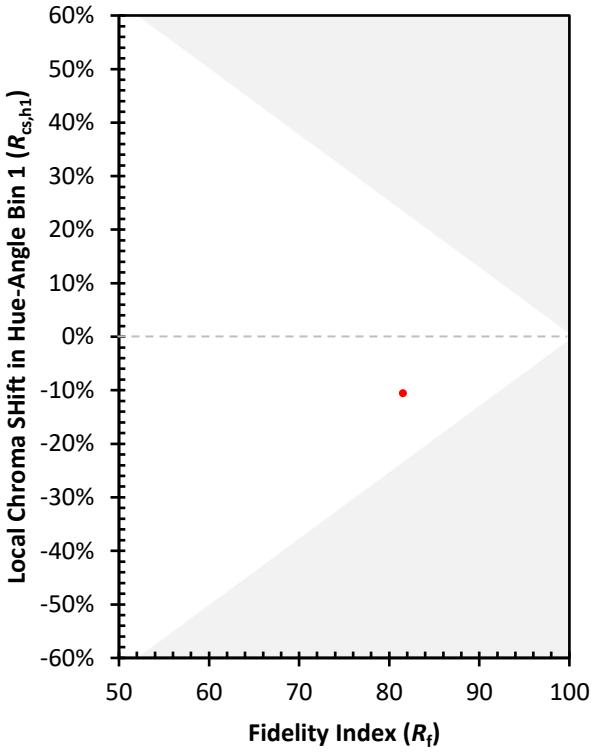
Measure Comparisons





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