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: P319835

Luminaire Tested: **GLEON-SA1B-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:	P319835
	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-SA1B-830-U-SL3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 800mA 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:	4756 lumens
Efficiency:	N/A
Efficacy:	108.1 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):	44
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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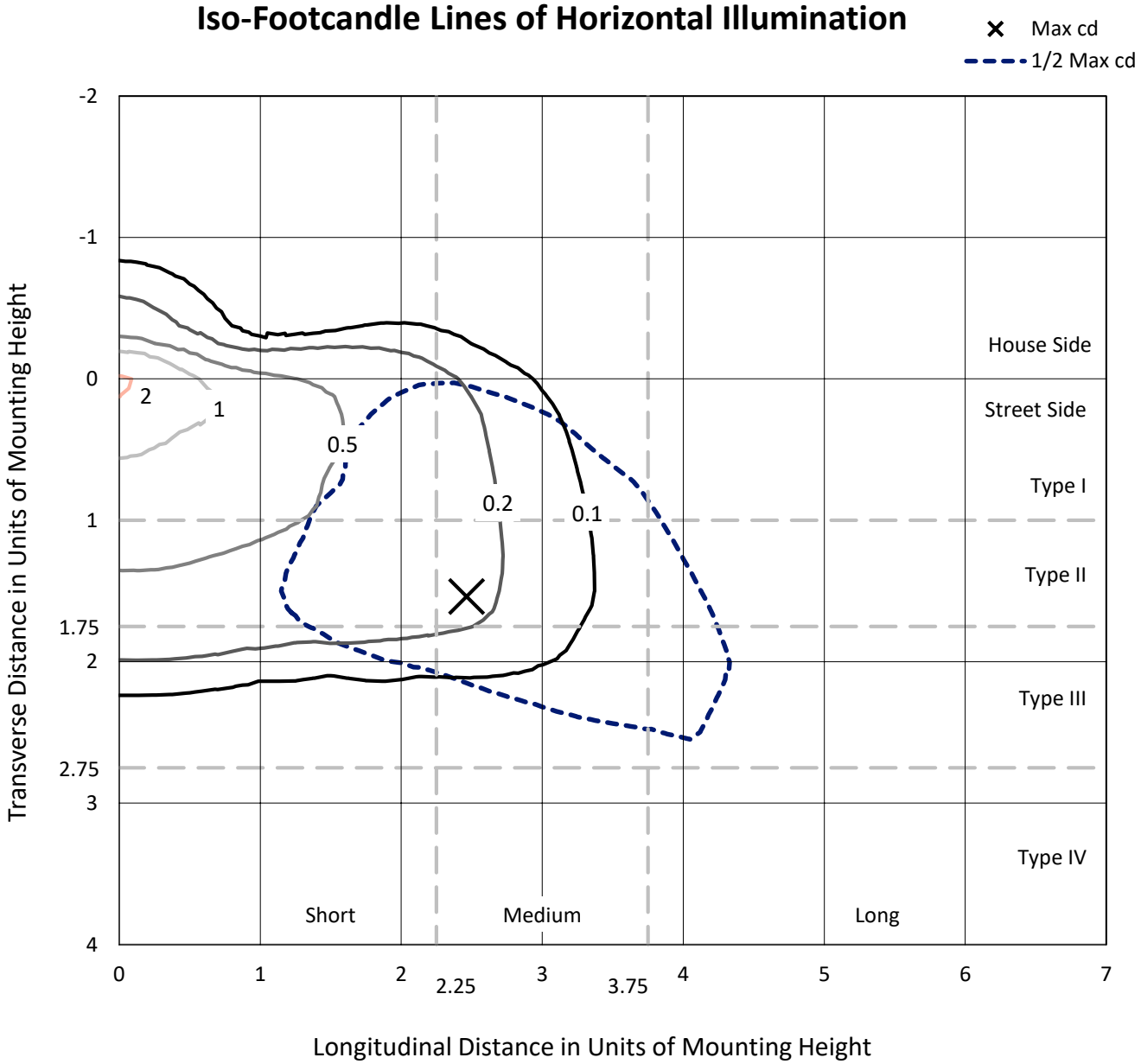
Scaled Data Report

REPORT NUMBER: P319835
CATALOG NUMBER: GLEON-SA1B-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Medium - N/A

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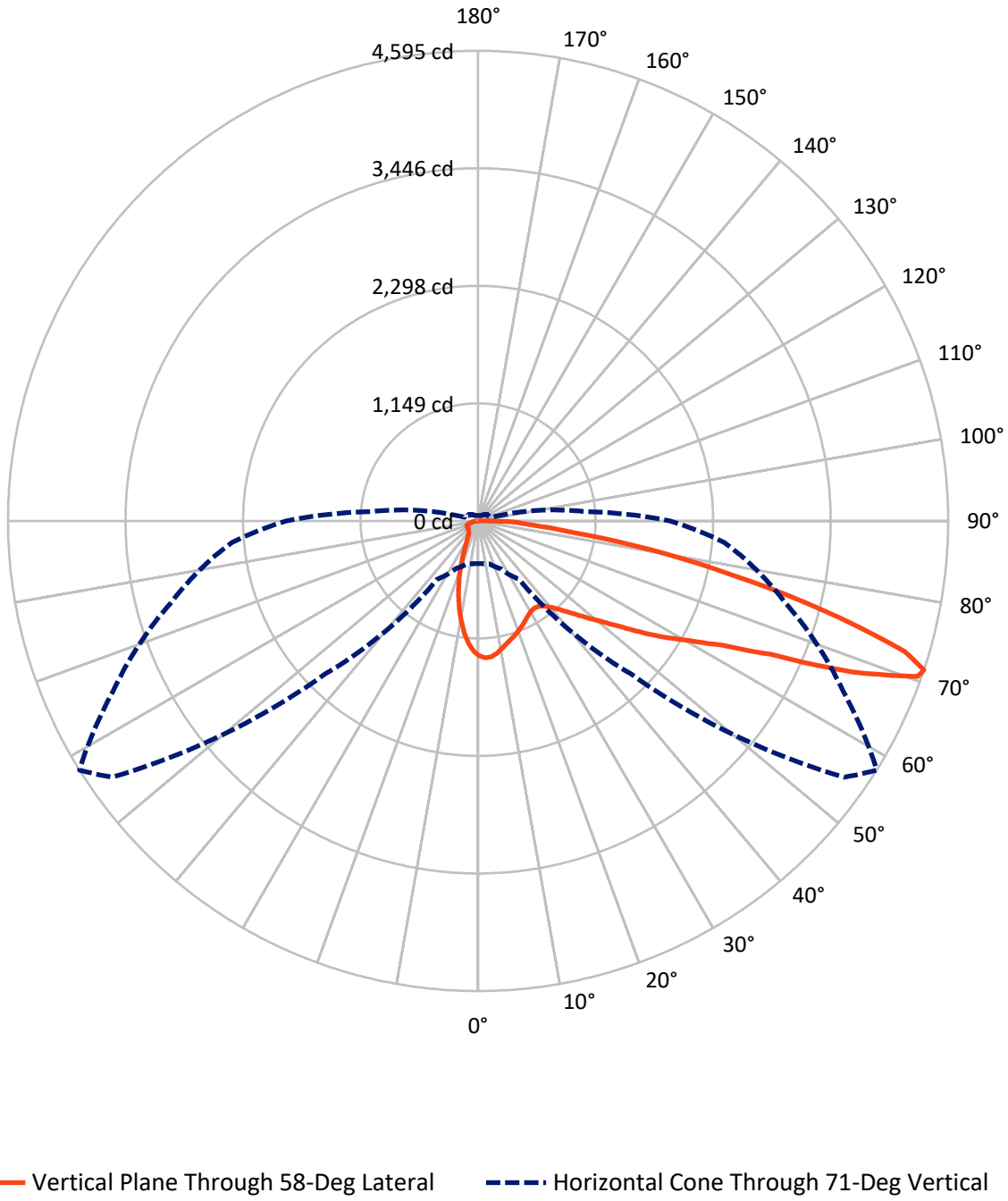
Luminous Intensity Polar Plot



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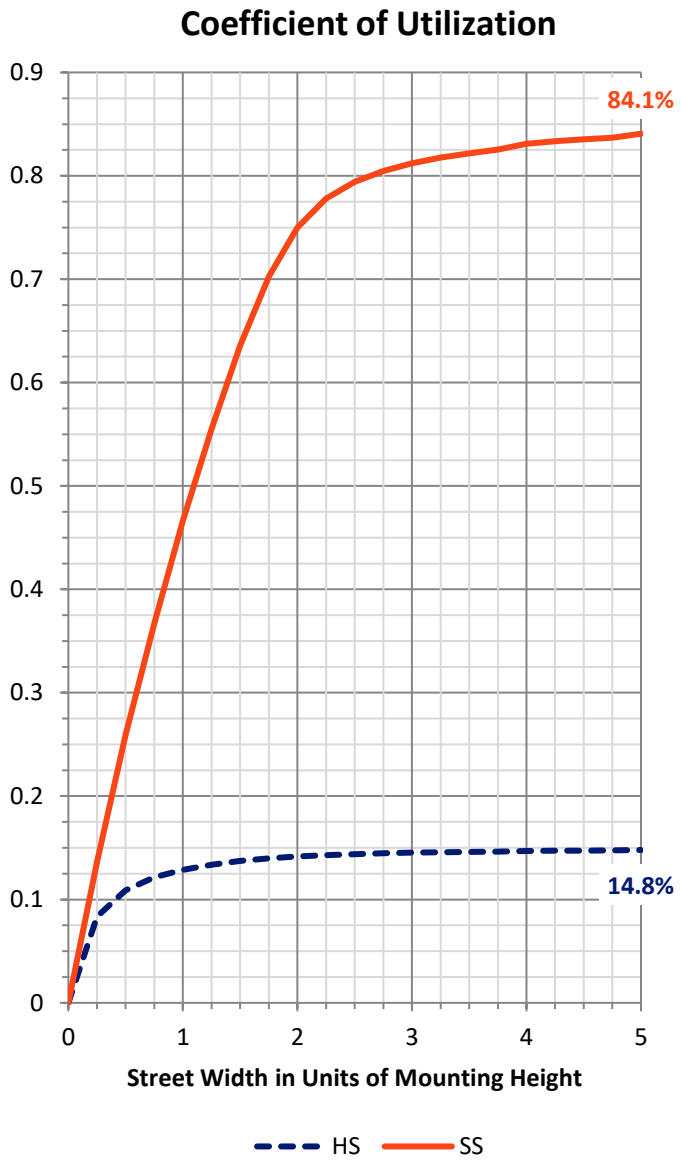
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	711.1	0.0	711.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	4045.0	0.0	4045.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	4756.0	0.0	4756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	2.4
10°-20°	252.8	5.3
20°-30°	321.3	6.8
30°-40°	409.2	8.6
40°-50°	580.3	12.2
50°-60°	898.0	18.9
60°-70°	1222.6	25.7
70°-80°	815.6	17.1
80°-90°	142.6	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°	4756.0	100.0
0°-180°	4756.0	100.0



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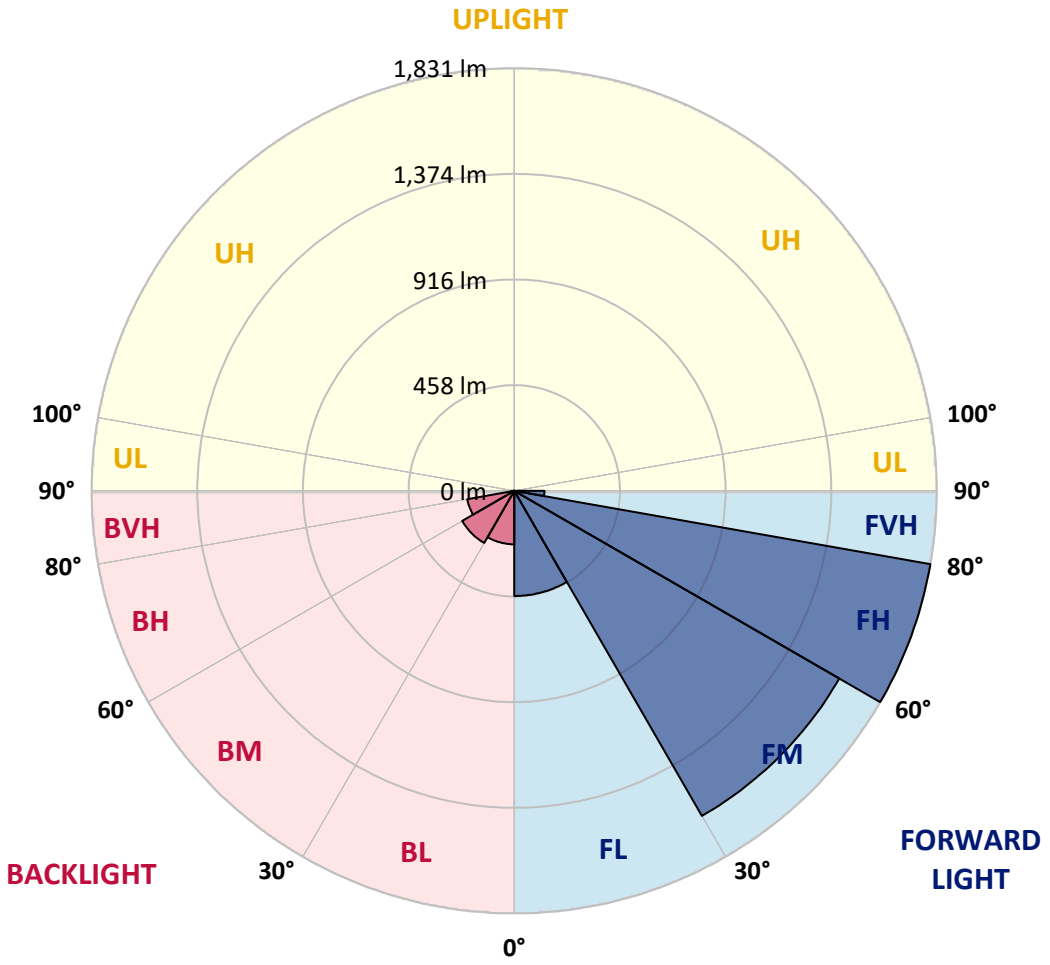
CATALOG NUMBER: GLEON-SA1B-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	455.9	9.6			
FM	(30°-60°)	1626.8	34.2			
FH	(60°-80°)	1831.5	38.5			G2/5000
FVH	(80°-90°)	130.7	2.7			G2/225
BL	(0°-30°)	231.8	4.9	B1/500		
BM	(30°-60°)	260.8	5.5	B1/1000		
BH	(60°-80°)	206.7	4.3	B1/500		G1/500
BVH	(80°-90°)	11.8	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: P319835
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	*1317.7*	1317.7	1317.7	1317.7
2.5°	1352.7	1350.9	1351.5	1350.2	1347.1	1343.9	1339.3	*1340.1*	1333.6	1324.0	1312.1
5°	1327.2	1326.5	1331.5	1334.3	1336.6	1334.8	1333.5	*1335.1*	1325.7	1312.4	1291.7
7.5°	1273.7	1266.4	1272.7	1282.1	1291.1	1297.8	1306.8	*1308.0*	1302.0	1288.1	1260.9
10°	1197.6	1190.7	1199.9	1214.7	1232.6	1248.8	1266.9	*1270.2*	1271.3	1258.8	1225.8
12.5°	1118.8	1113.5	1122.7	1143.4	1173.1	1198.1	1226.9	*1231.9*	1242.2	1233.7	1193.3
15°	1048.2	1046.2	1057.5	1077.8	1112.0	1150.2	1191.8	*1200.9*	1218.3	1215.5	1168.0
17.5°	987.2	986.7	995.3	1016.7	1054.5	1102.9	1156.9	*1172.3*	1198.1	1201.4	1147.1
20°	941.8	940.8	946.8	962.5	1001.5	1056.3	1119.1	*1140.3*	1177.6	1189.2	1125.6
22.5°	917.5	917.3	917.5	924.9	956.7	1007.8	1082.3	*1108.2*	1157.5	1179.4	1101.7
25°	913.3	912.8	909.2	908.4	926.4	967.2	1045.9	*1074.4*	1138.5	1172.6	1079.0
27.5°	924.1	924.8	920.0	912.2	915.8	940.5	1014.2	*1044.7*	1123.2	1171.3	1063.3
30°	946.5	946.1	942.0	933.9	926.8	930.6	991.7	*1022.2*	1113.0	1177.1	1052.5
32.5°	971.2	973.0	972.1	967.7	957.1	941.8	984.9	*1014.7*	1110.0	1191.0	1047.9
35°	1000.8	1002.8	1008.8	1012.2	999.8	975.3	999.5	*1025.3*	1118.6	1217.2	1055.3
37.5°	1029.0	1034.1	1050.8	1065.6	1055.0	1027.6	1038.2	*1056.6*	1145.3	1258.4	1075.4
40°	1061.4	1065.9	1093.2	1124.6	1122.9	1094.6	1100.7	*1113.0*	1192.3	1317.6	1111.6
42.5°	1093.4	1102.4	1142.0	1186.4	1199.1	1174.1	1183.9	*1190.3*	1258.6	1395.9	1174.9
45°	1136.0	1145.6	1200.6	1254.1	1283.9	1269.9	1285.4	*1287.9*	1341.9	1502.6	1266.9
47.5°	1200.4	1211.4	1275.5	1331.6	1377.2	1378.7	1404.4	*1403.4*	1446.0	1624.7	1382.7
50°	1300.8	1316.6	1369.1	1421.6	1476.9	1507.8	1542.0	*1537.2*	1570.7	1754.8	1516.0
52.5°	1432.4	1439.7	1478.6	1517.4	1586.1	1655.2	1704.4	*1700.1*	1712.2	1888.5	1667.5
55°	1568.7	1574.2	1590.3	1611.5	1703.9	1816.6	1920.6	*1913.8*	1883.2	2027.3	1817.1
57.5°	1691.3	1702.4	1713.5	1722.3	1822.5	1985.2	2141.8	*2142.3*	2068.7	2177.1	1971.6
60°	1710.4	1720.1	1793.5	1862.8	2025.5	2210.2	2378.5	*2373.5*	2260.7	2339.6	2143.9
62.5°	1511.9	1533.9	1656.5	1840.7	2221.0	2621.7	2680.5	*2674.4*	2490.3	2539.9	2344.5
65°	1083.5	1108.5	1256.4	1533.3	2126.2	3075.1	3225.6	*3143.1*	2803.4	2786.2	2579.5
67.5°	625.1	631.0	695.1	917.5	1618.9	3098.8	4057.1	*3941.6*	3289.7	3065.7	2694.4
70°	462.2	462.1	477.3	564.6	876.1	2529.1	4452.5	*4556.1*	3801.6	3157.6	2531.9
71°	*418.0*	*418.5*	*435.5*	*513.9*	*693.8*	*2116.9*	*4368.5*	*4595.2*	*3936.5*	*3112.3*	*2414.3*
72.5°	357.5	359.2	382.9	460.9	583.7	1459.9	4006.7	*4360.6*	4000.4	3000.3	2230.2
75°	271.2	275.0	307.8	388.5	533.5	740.4	2940.6	*3482.0*	3553.8	2647.4	1657.2
77.5°	193.5	197.8	234.9	326.7	507.1	558.0	1969.3	*2539.9*	2615.2	1696.6	747.5
80°	122.3	127.4	155.4	259.9	476.5	529.8	1237.5	*1707.2*	1426.1	542.9	190.2
82.5°	71.7	75.7	96.4	169.8	389.2	510.3	728.1	*946.3*	555.0	164.0	86.5
85°	41.6	43.4	60.1	108.2	282.6	481.6	534.9	*529.0*	240.9	80.2	40.9
87.5°	19.4	21.5	35.6	56.5	156.9	349.1	422.8	*365.3*	149.8	37.6	19.2
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: P319835
CATALOG NUMBER: GLEON-SA1B-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7	1317.7
2.5°	1306.3	1303.5	1291.7	1281.3	1270.3	1256.1	1240.4	1238.4	1228.8	1230.6	1227.3
5°	1280.5	1273.3	1245.0	1219.3	1189.0	1161.8	1132.3	1118.8	1099.2	1097.9	1092.9
7.5°	1243.5	1230.3	1186.4	1137.6	1088.9	1042.6	996.7	966.5	935.7	922.6	921.5
10°	1201.9	1179.4	1114.8	1042.7	972.5	904.7	839.1	790.6	746.8	726.1	725.3
12.5°	1162.5	1129.2	1040.6	942.5	846.4	758.6	668.6	604.9	550.0	531.6	523.8
15°	1129.0	1082.1	968.3	842.9	726.3	604.4	502.0	434.9	384.2	366.6	363.3
17.5°	1096.6	1036.3	894.3	742.4	601.4	467.4	364.8	314.9	287.9	280.8	280.6
20°	1064.3	989.0	816.9	639.5	480.6	349.6	280.5	258.1	249.0	248.2	246.8
22.5°	1027.6	939.0	735.6	536.3	375.1	274.8	238.4	229.5	228.3	231.3	231.3
25°	993.4	889.3	653.1	435.2	291.7	229.3	212.9	211.1	214.2	219.5	220.0
27.5°	961.4	841.4	572.6	345.4	233.8	202.0	195.2	197.3	202.9	209.1	209.2
30°	935.0	796.2	494.4	272.2	197.5	181.6	180.4	184.7	190.9	195.7	196.8
32.5°	914.7	757.6	418.8	218.8	173.8	166.3	167.3	171.0	174.8	177.4	179.3
35°	905.2	724.5	349.1	184.6	158.7	154.6	155.9	157.9	159.5	161.5	163.0
37.5°	906.9	698.8	286.8	163.2	148.6	146.5	146.5	146.5	146.5	147.4	147.6
40°	922.3	684.0	236.1	149.6	141.8	139.5	137.7	136.0	134.7	135.4	135.0
42.5°	961.7	682.7	199.0	141.0	136.3	132.5	128.9	126.6	124.9	125.6	125.9
45°	1028.6	699.3	174.0	134.9	131.2	125.4	120.8	118.3	117.1	119.3	119.6
47.5°	1115.3	735.4	158.7	130.4	126.4	118.8	113.8	111.5	111.8	115.0	115.8
50°	1226.9	794.1	151.4	127.6	123.1	113.2	108.0	106.0	107.0	111.5	112.5
52.5°	1349.5	878.5	152.2	126.7	120.9	109.0	103.5	101.2	102.9	107.0	107.9
55°	1491.0	980.1	166.0	127.9	117.8	106.4	99.9	95.9	97.2	101.1	101.7
57.5°	1648.2	1096.4	193.7	127.6	113.8	103.9	96.1	90.1	91.1	93.4	94.1
60°	1811.9	1236.9	236.6	128.6	112.0	100.9	91.0	83.5	83.2	85.2	85.5
62.5°	2008.4	1399.4	285.6	129.2	113.2	97.1	84.2	76.9	75.9	76.4	76.7
65°	2210.9	1517.0	267.2	126.6	116.8	93.9	78.2	70.4	68.6	68.3	68.4
67.5°	2217.1	1391.0	187.4	121.3	118.3	92.3	73.7	64.9	62.0	60.8	60.6
70°	1988.4	1130.0	146.0	115.6	112.3	89.6	69.6	60.5	56.0	54.2	54.0
71°	*1876.7*	*1040.2*	*138.3*	*112.8*	*107.9*	*87.0*	*67.8*	*58.5*	*53.8*	*51.9*	*51.5*
72.5°	1701.6	932.5	129.1	108.3	99.2	80.2	64.3	55.7	50.9	48.5	48.0
75°	1221.1	609.8	110.8	96.6	82.2	63.9	56.3	50.0	45.9	43.1	42.7
77.5°	470.5	242.7	83.8	80.3	63.0	50.0	46.4	43.2	40.3	37.4	37.3
80°	145.5	108.5	61.1	60.5	45.6	37.3	36.1	35.3	34.1	31.1	30.5
82.5°	77.7	62.3	42.1	39.1	29.8	24.9	26.2	26.5	26.7	23.5	23.2
85°	37.1	33.0	23.7	22.2	17.4	13.9	16.1	17.4	17.6	14.4	13.4
87.5°	17.7	17.2	11.1	8.4	6.5	4.6	5.6	7.0	7.6	5.5	4.8
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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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

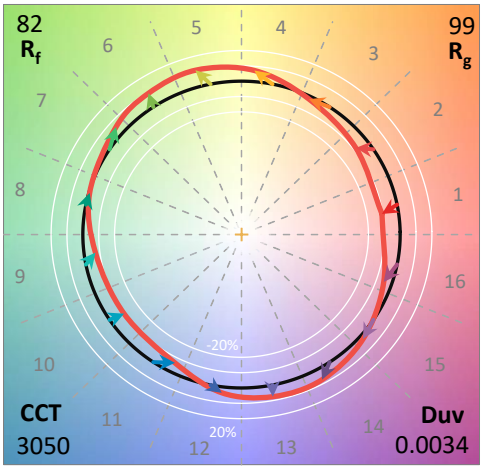
Test Information

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

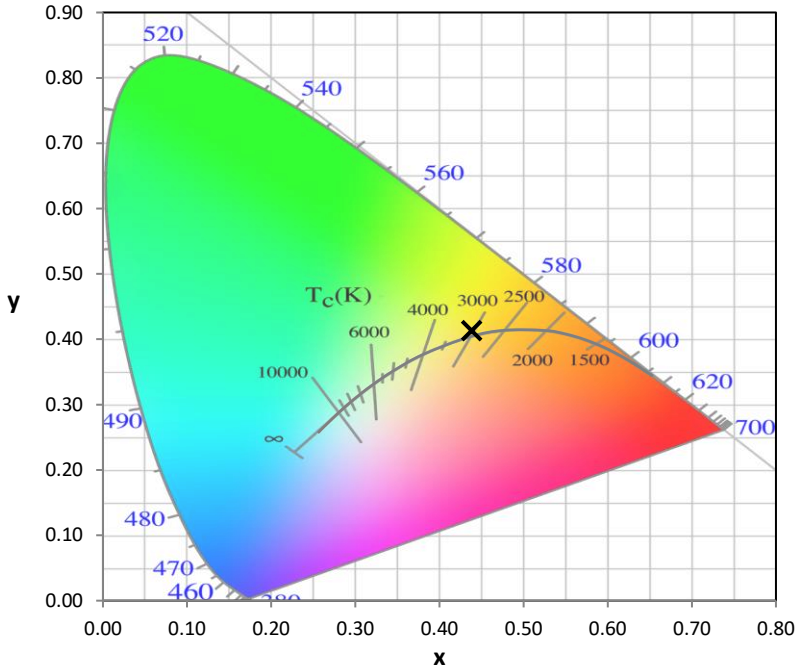
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

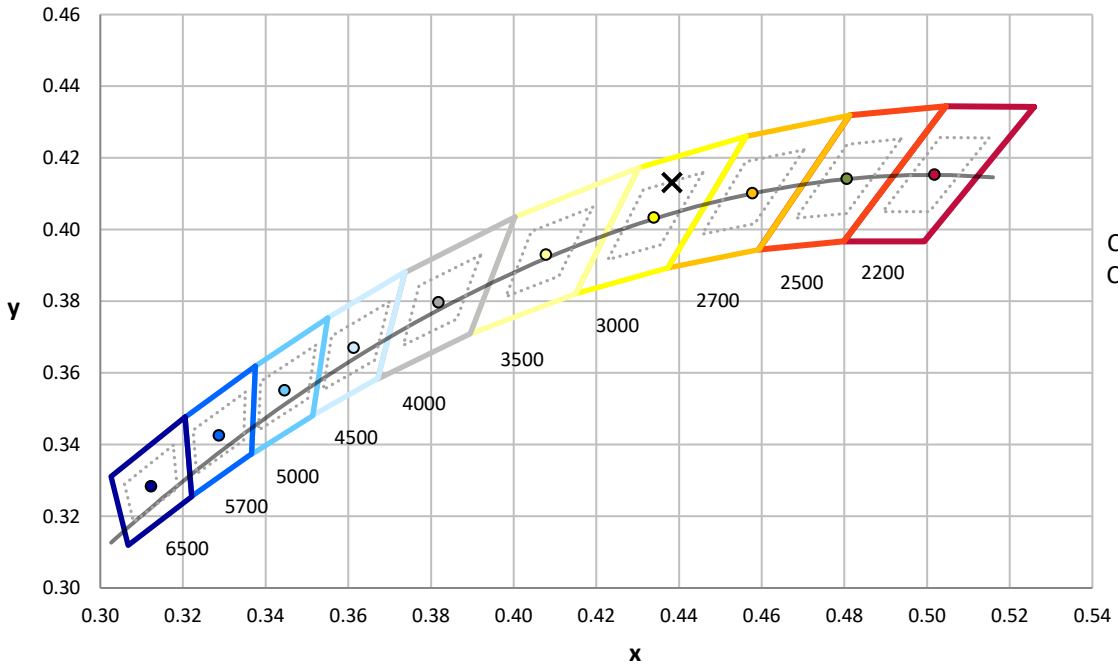
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

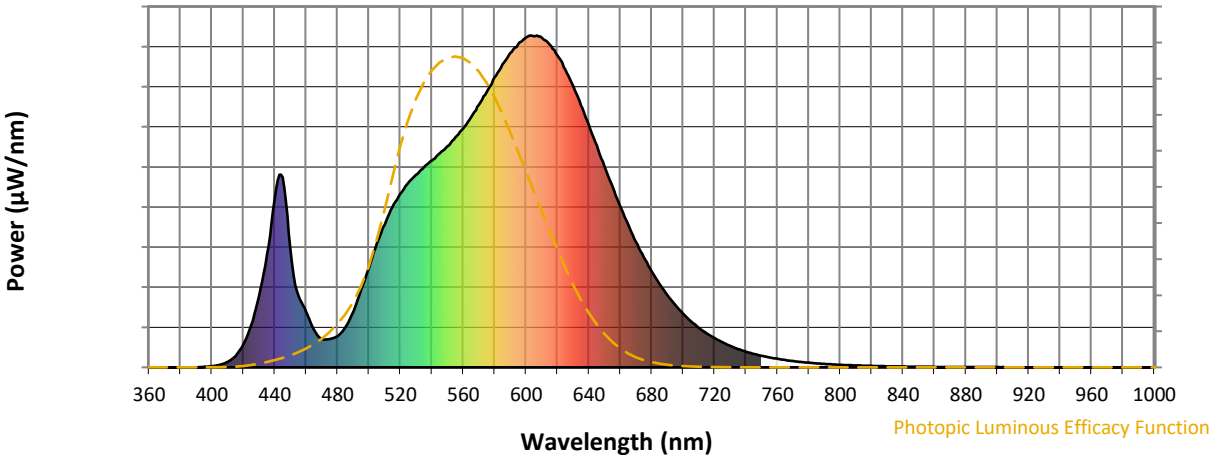


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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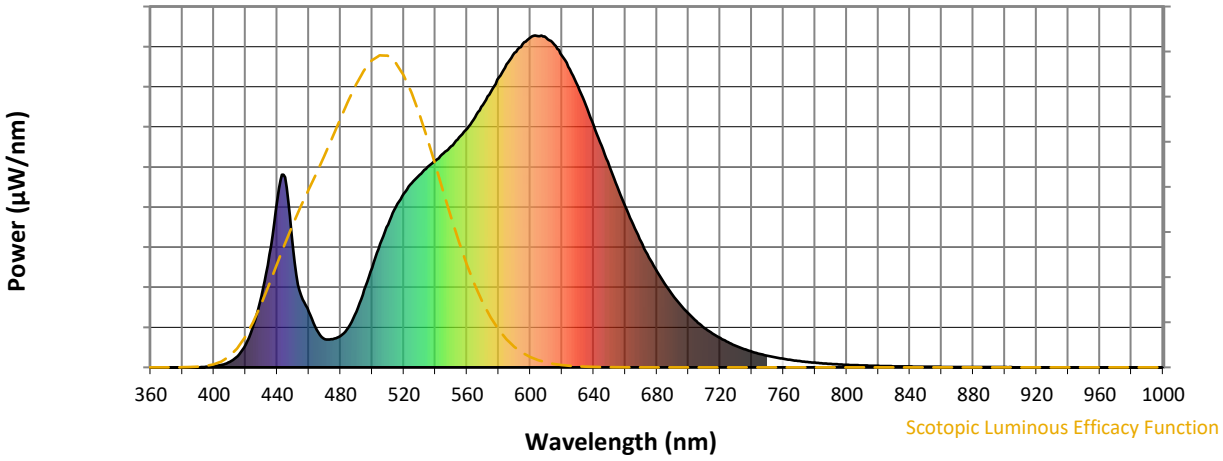
Scotopic Flux vs. Wavelength



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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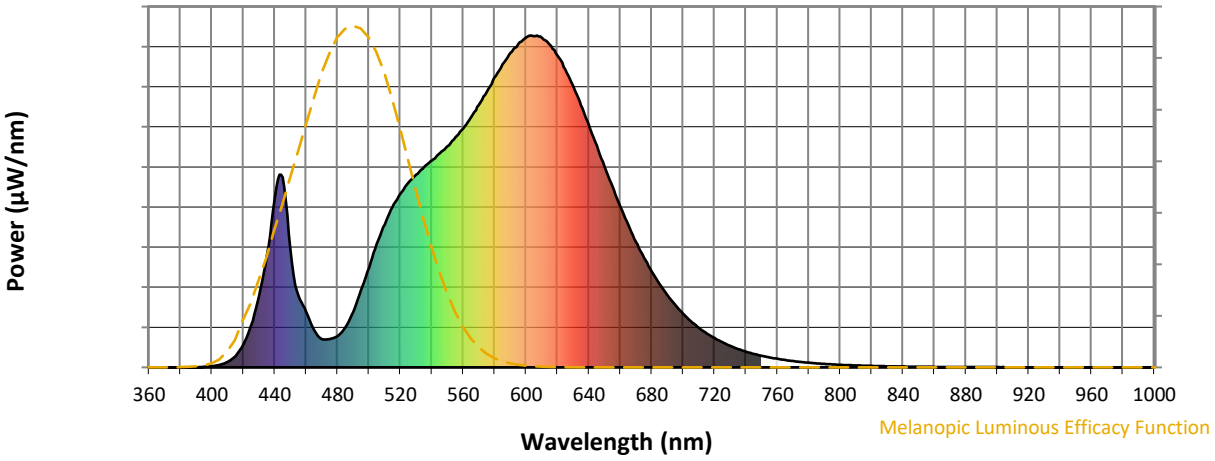
Melanopic Flux vs. Wavelength



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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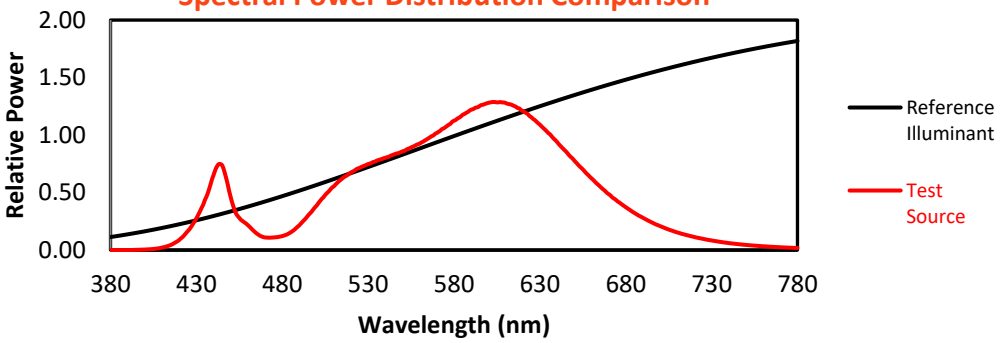
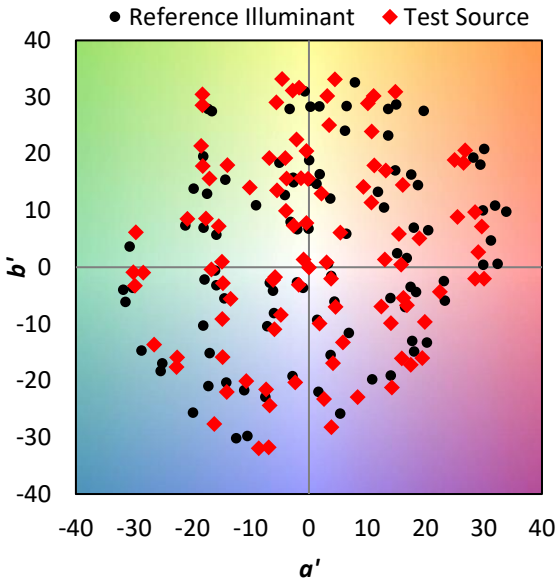
Summary

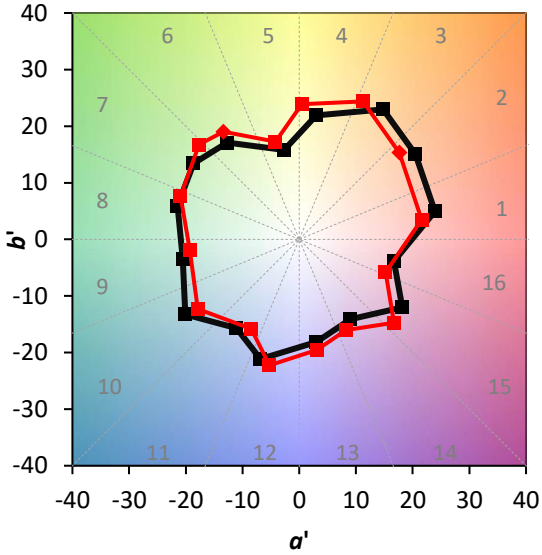
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

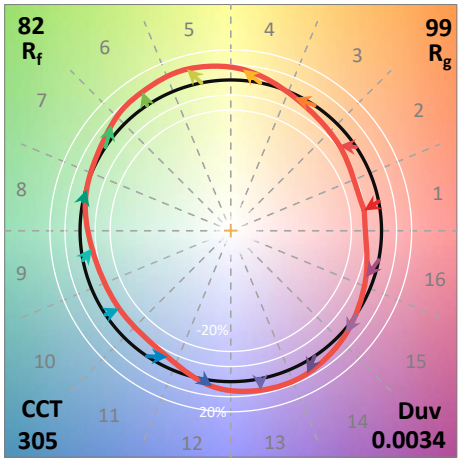
Spectral Power Distribution Comparison

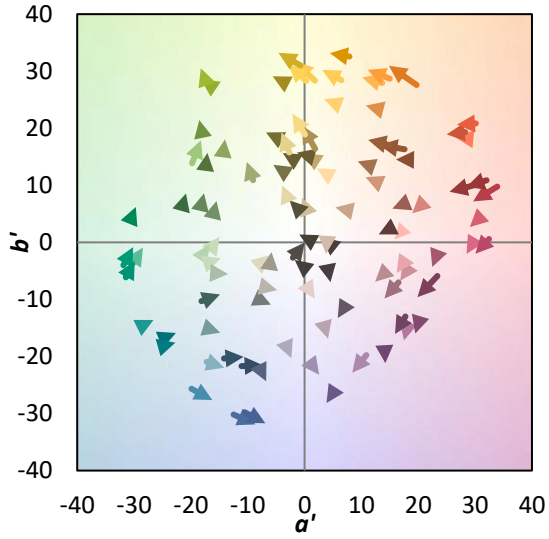


Color Vector Graphics









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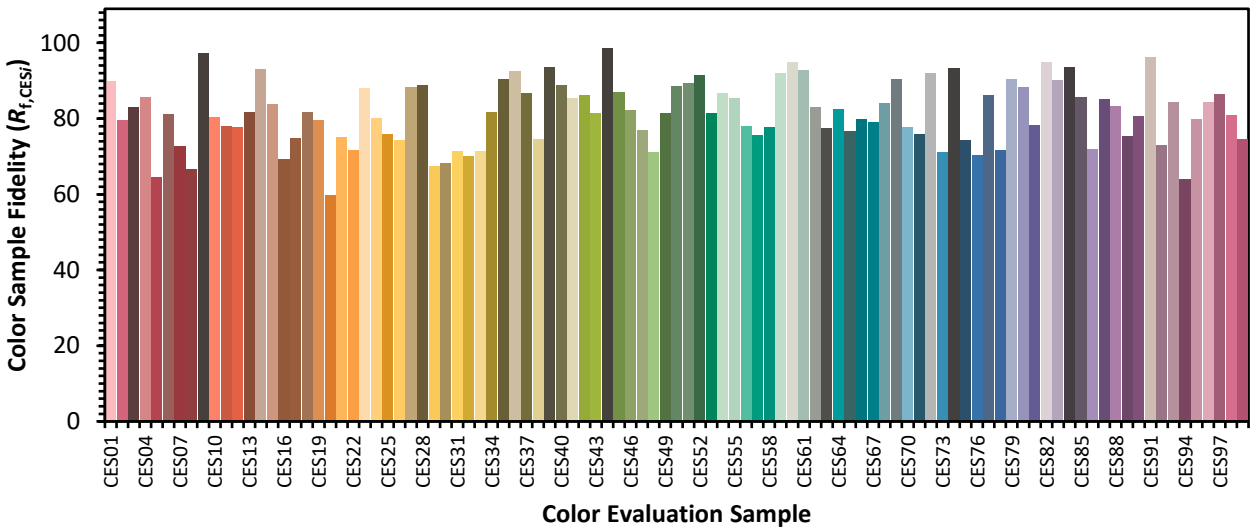
Individual Sample Fidelity Index ($R_{f,i}$)

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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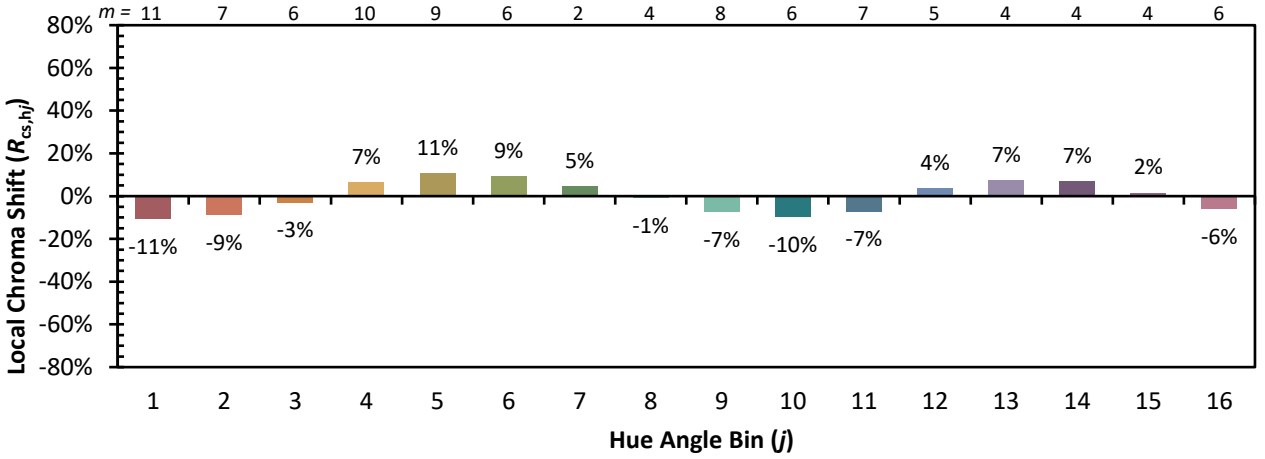
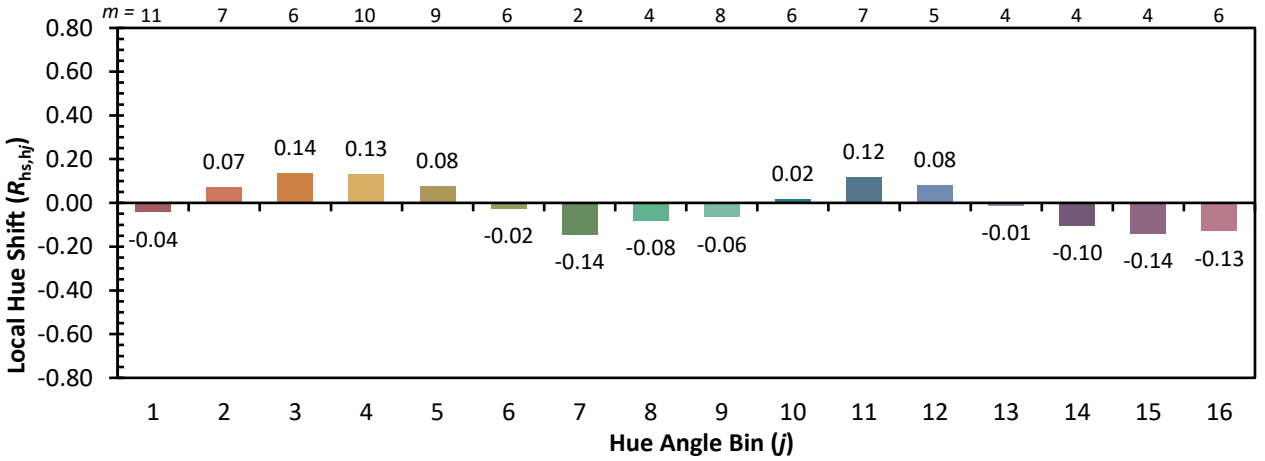
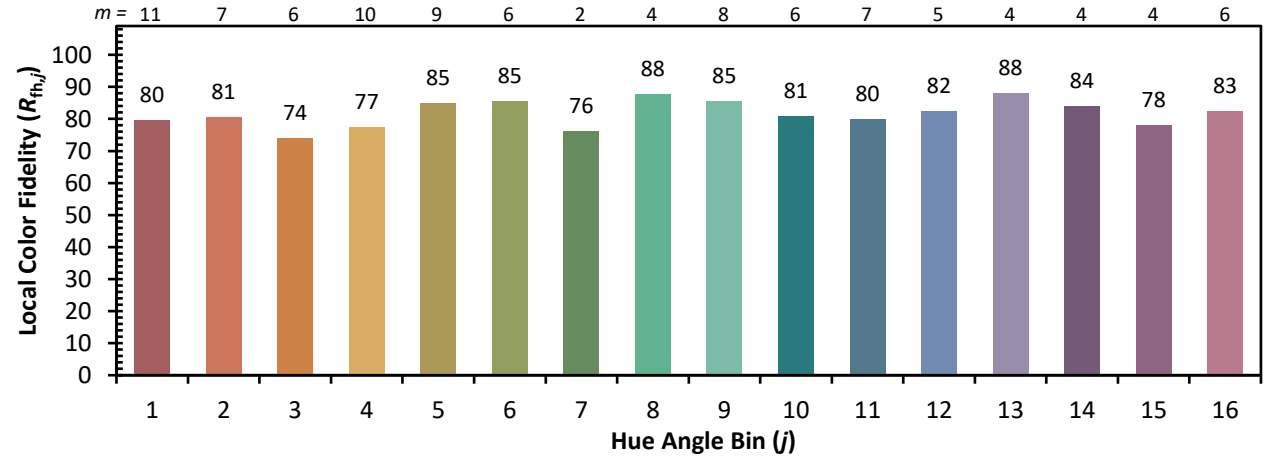
Color Rendition by Hue-Angle Bin







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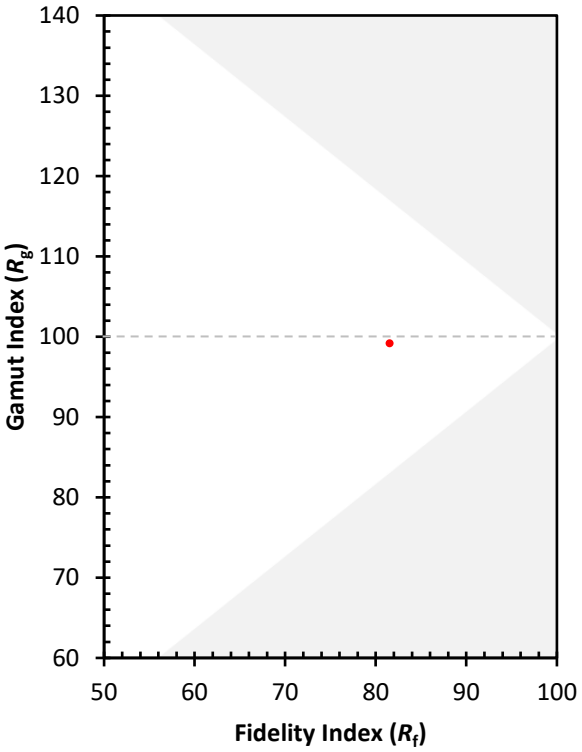
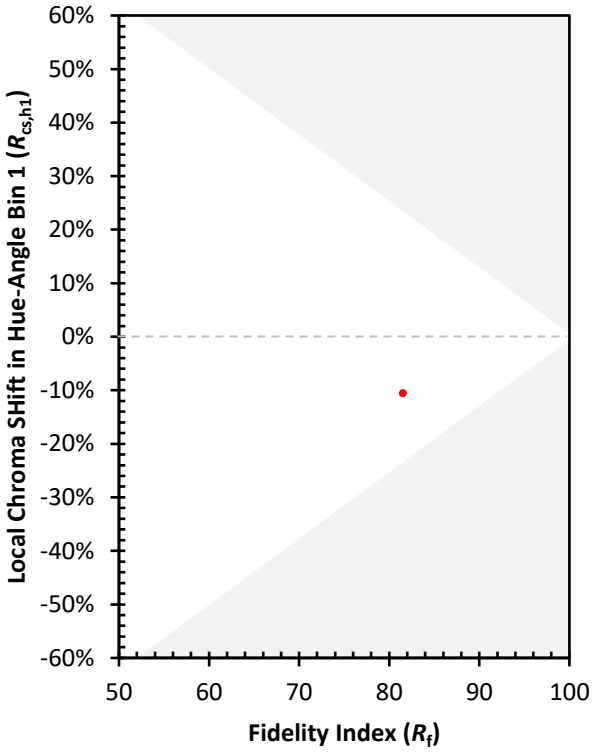
Measure Comparisons





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