

Signify Classified - Internal
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: P320814

Luminaire Tested: **GLEON-SA0C-830-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA0C-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48890 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

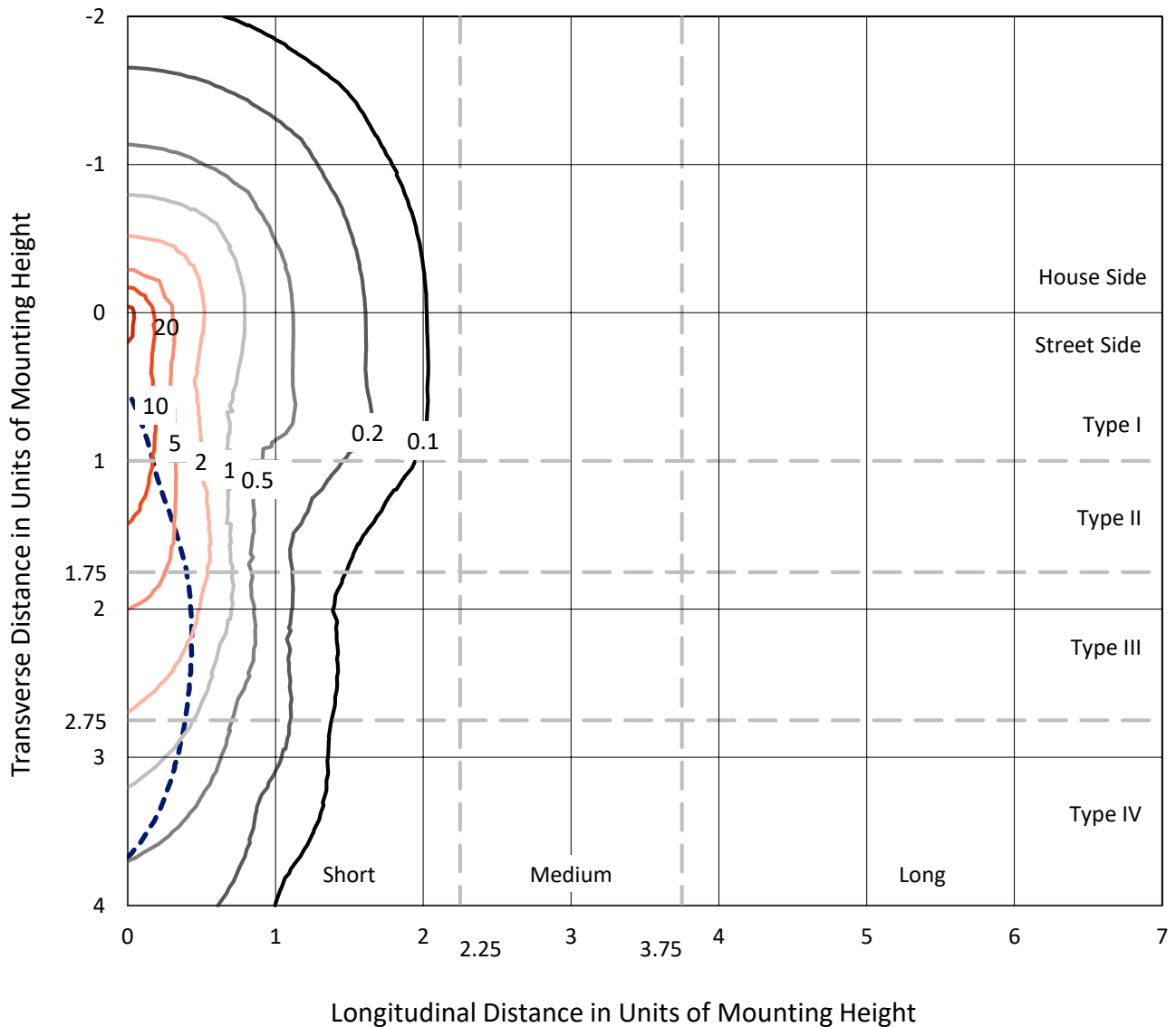
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

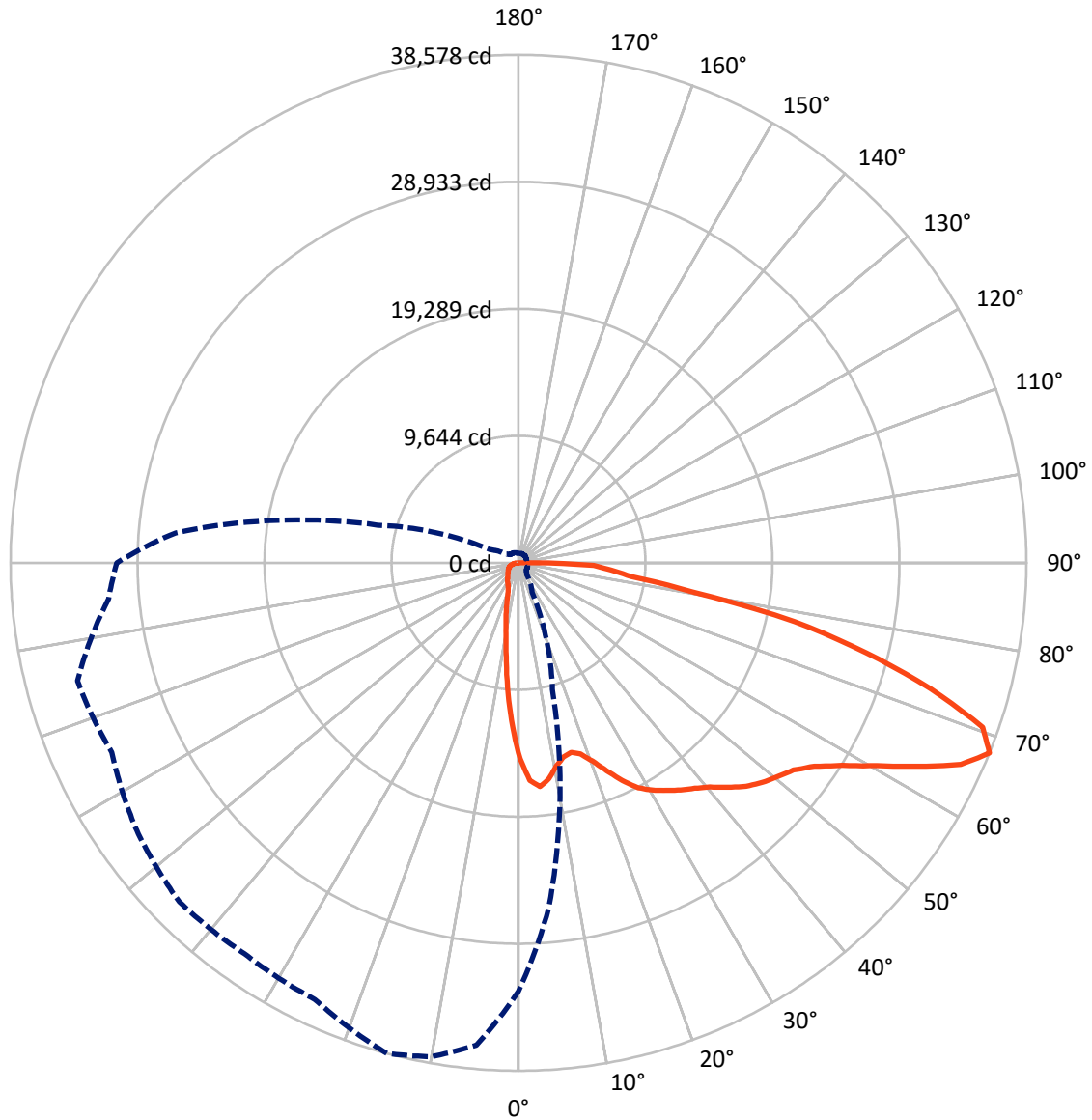
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P320814
CATALOG NUMBER: GLEON-SA0C-830-U-SLR

Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

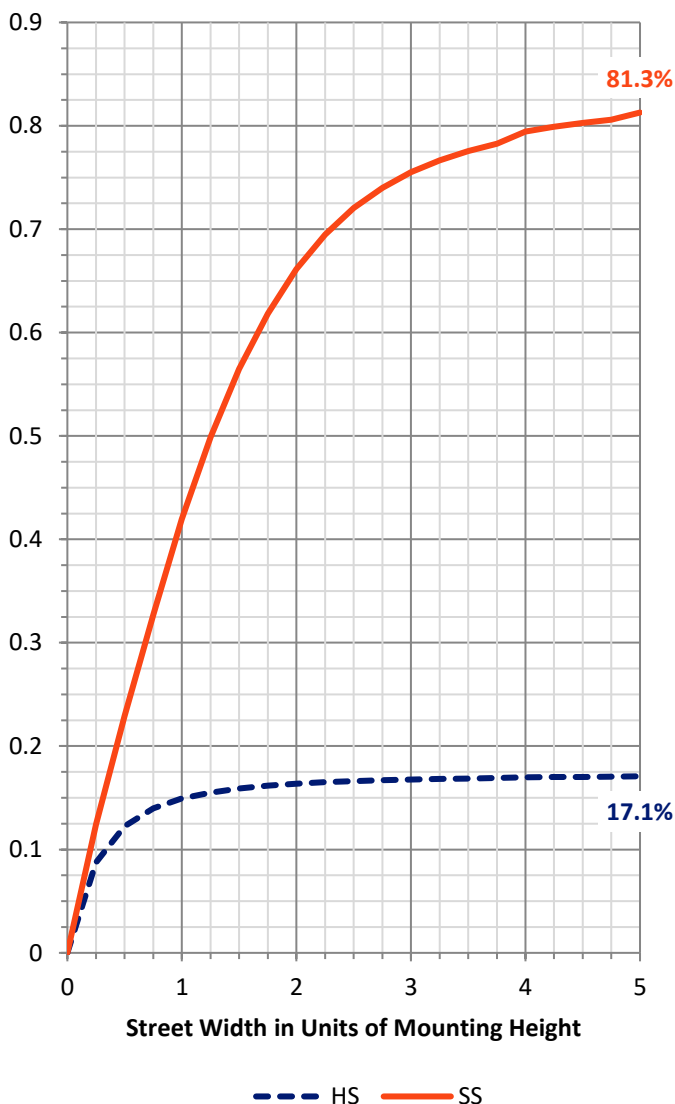
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8452.0	0.0	8452.0
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	40438.0	0.0	40438.0
	% Fixture	82.7	0.0	82.7
Total	Lumens	48890.0	0.0	48890.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1149.5	2.4
10°-20°	2388.0	4.9
20°-30°	3396.3	6.9
30°-40°	4894.1	10.0
40°-50°	6897.1	14.1
50°-60°	9588.2	19.6
60°-70°	11595.0	23.7
70°-80°	7127.2	14.6
80°-90°	1854.6	3.8
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°	48890.0	100.0
0°-180°	48890.0	100.0

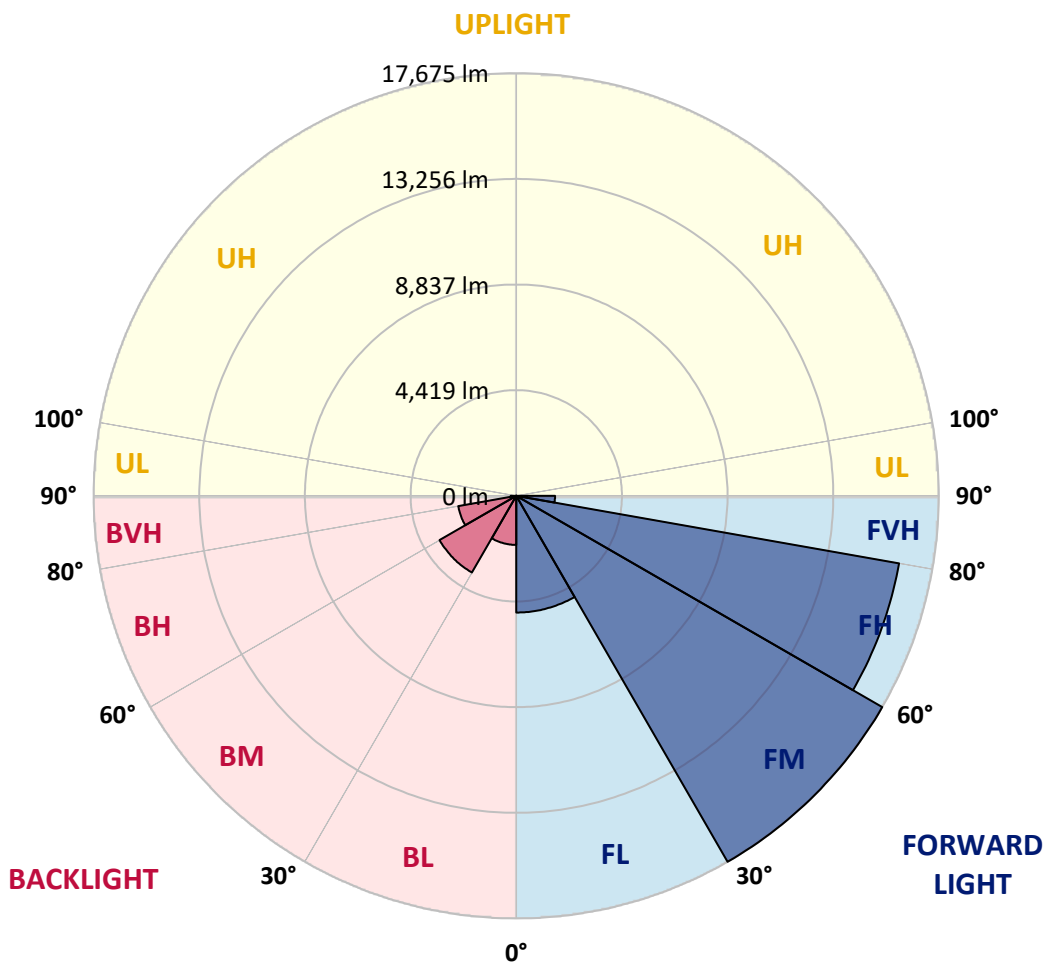


REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4881.8	10.0			
FM (30°-60°)	17675.0	36.2			
FH (60°-80°)	16259.1	33.3			G5
FVH (80°-90°)	1622.1	3.3			G5
BL (0°-30°)	2052.1	4.2	B3/2500		
BM (30°-60°)	3704.4	7.6	B3/5000		
BH (60°-80°)	2463.1	5.0	B3/2500		G3/2500
BVH (80°-90°)	232.5	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Medium





REPORT NUMBER: P320814

CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7
2.5°	15956.1	15815.3	15602.3	15389.2	15230.9	15070.6	14888.8	14707.0	14499.8	14290.7	14167.5
5°	15692.2	15301.3	14793.0	14284.8	13948.6	13612.4	13231.2	12850.1	12472.8	12095.6	11892.3
7.5°	14503.7	13917.3	13256.7	12596.0	12107.3	11616.7	11088.9	10559.2	10090.1	9619.0	9327.7
10°	13334.8	12631.2	11872.7	11112.4	10486.9	9861.4	9331.7	8800.0	8446.2	8092.4	7824.6
12.5°	12496.3	11716.4	10881.7	10045.1	9419.6	8794.1	8457.9	8121.7	7828.5	7535.3	7226.5
15°	12164.0	11282.4	10428.2	9572.1	9003.3	8434.5	8061.1	7685.8	7292.9	6898.1	6518.9
17.5°	12457.2	11425.1	10496.6	9568.2	8823.4	8078.7	7556.8	7032.9	6515.0	5997.0	5557.2
20°	13372.0	12054.5	10840.7	9624.9	8633.8	7642.8	6943.0	6241.3	5576.7	4912.1	4413.7
22.5°	14656.2	12912.6	11327.4	9742.1	8461.8	7179.5	6301.9	5422.3	4636.5	3850.7	3362.1
25°	16216.0	14050.3	12029.1	10006.0	8391.5	6774.9	5695.9	4617.0	3788.2	2957.4	2609.5
27.5°	17859.9	15406.8	12900.9	10393.0	8403.2	6413.3	5185.8	3956.3	3209.6	2462.9	2224.4
30°	19230.2	16956.9	13917.3	10875.9	8448.1	6020.4	4704.9	3389.4	2773.7	2158.0	2003.5
32.5°	20483.1	18037.8	14683.6	11327.4	8499.0	5668.6	4333.5	2996.5	2494.2	1989.9	1862.8
35°	21777.1	18997.6	15219.2	11438.8	8411.0	5381.2	4079.4	2777.6	2314.3	1849.1	1741.6
37.5°	23202.1	20035.5	15735.2	11432.9	8262.4	5091.9	3882.0	2670.1	2197.1	1722.1	1643.9
40°	24791.2	21182.9	16294.2	11405.6	8127.6	4847.6	3735.4	2621.2	2132.6	1641.9	1575.5
42.5°	26345.2	22277.5	16814.2	11350.8	8018.1	4683.4	3590.8	2498.1	2073.9	1647.8	1554.0
45°	27512.1	23233.4	17265.7	11296.1	7936.0	4575.9	3477.4	2378.8	2019.2	1659.5	1540.3
47.5°	28397.6	24193.1	17766.1	11337.2	7928.2	4519.2	3397.2	2275.2	1915.6	1554.0	1505.1
50°	29523.5	25346.4	18495.2	11644.0	8035.7	4427.4	3303.4	2177.5	1815.9	1454.3	1520.7
52.5°	30925.0	26992.2	19625.0	12255.9	8260.5	4265.1	3154.9	2044.6	1694.7	1342.9	1446.5
55°	32983.3	29101.3	21069.5	13035.8	8532.2	4026.6	2930.1	1831.5	1534.4	1235.4	1327.2
57.5°	34830.5	31231.9	22455.4	13676.9	8702.2	3725.6	2646.6	1567.7	1354.6	1141.5	1194.3
60°	35653.4	32330.4	23104.3	13876.3	8600.6	3324.9	2328.0	1329.2	1196.3	1063.3	1053.6
62.5°	35332.8	31632.6	22465.2	13297.7	8104.1	2910.5	2046.6	1182.6	1082.9	981.3	959.7
65°	34394.6	29439.5	20674.7	11909.9	7265.6	2621.2	1868.7	1116.1	1004.7	893.3	869.8
67.5°	32545.5	26317.8	18137.5	9957.2	6200.3	2443.4	1767.0	1090.7	955.8	819.0	791.6
70°	29226.4	22560.9	15215.2	7867.6	5101.7	2333.9	1700.6	1067.3	903.1	736.9	711.5
72.5°	24005.5	18088.6	12150.3	6210.0	4265.1	2320.2	1692.8	1065.3	860.1	654.8	631.4
75°	17187.5	13739.5	9275.0	4808.5	3493.0	2177.5	1606.7	1036.0	801.4	564.9	543.4
77.5°	11565.9	9509.5	6446.5	3381.6	2591.9	1802.2	1350.7	899.2	686.1	473.0	451.5
80°	7427.8	6581.4	4319.8	2058.3	1681.0	1303.8	965.6	627.5	500.4	371.4	353.8
82.5°	5449.7	4898.4	3002.4	1106.4	934.3	760.4	590.3	420.3	342.1	263.9	256.1
85°	3463.7	3819.4	2210.7	602.0	492.6	383.1	316.7	250.2	197.4	144.6	144.6
87.5°	672.4	930.4	611.8	291.2	213.1	134.9	115.3	93.8	52.8	9.8	11.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814

CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7
2.5°	14042.4	13907.6	13772.7	13620.2	13465.8	13323.1	13178.5	13020.1	13049.5	12928.3	12807.1
5°	11689.0	11474.0	11257.0	11069.4	10881.7	10719.5	10555.3	10408.7	10535.7	10449.7	10363.7
7.5°	9034.5	8768.7	8500.9	8276.1	8051.3	7877.4	7701.4	7580.3	7705.4	7689.7	7674.1
10°	7556.8	7298.8	7038.8	6790.6	6542.3	6331.2	6118.2	5938.3	5907.0	5817.1	5725.3
12.5°	6915.7	6561.9	6206.1	5946.1	5686.2	5434.0	5181.9	4970.8	4875.0	4726.4	4575.9
15°	6139.7	5721.4	5303.1	5007.9	4710.8	4466.4	4220.2	4038.4	3977.8	3862.5	3747.1
17.5°	5117.4	4660.0	4202.6	3903.5	3602.5	3407.0	3209.6	3088.4	3088.4	3055.2	3021.9
20°	3915.2	3506.7	3098.2	2869.5	2640.8	2537.2	2431.6	2380.8	2396.4	2398.4	2398.4
22.5°	2871.4	2621.2	2371.0	2279.2	2185.3	2148.2	2111.1	2089.6	2097.4	2099.3	2101.3
25°	2261.6	2165.8	2068.1	2021.1	1972.3	1948.8	1925.4	1917.5	1935.1	1937.1	1937.1
27.5°	1986.0	1927.3	1866.7	1837.4	1806.1	1796.4	1786.6	1772.9	1790.5	1790.5	1788.5
30°	1847.2	1784.6	1722.1	1684.9	1647.8	1651.7	1653.7	1649.8	1661.5	1669.3	1675.2
32.5°	1733.8	1673.2	1612.6	1575.5	1536.4	1530.5	1524.7	1520.7	1546.2	1559.8	1573.5
35°	1632.2	1565.7	1499.2	1464.1	1428.9	1415.2	1401.5	1391.7	1415.2	1432.8	1450.4
37.5°	1563.7	1495.3	1425.0	1391.7	1356.5	1339.0	1321.4	1309.6	1319.4	1327.2	1335.0
40°	1509.0	1438.6	1366.3	1327.2	1288.1	1270.5	1253.0	1243.2	1249.0	1251.0	1253.0
42.5°	1458.2	1389.8	1321.4	1278.4	1233.4	1211.9	1190.4	1178.7	1182.6	1186.5	1188.4
45°	1421.1	1352.6	1282.3	1231.4	1178.7	1155.2	1131.8	1118.1	1120.0	1120.0	1120.0
47.5°	1456.2	1356.5	1254.9	1196.3	1135.7	1108.3	1080.9	1067.3	1063.3	1059.4	1055.5
50°	1585.2	1415.2	1243.2	1168.9	1092.7	1063.3	1032.1	1016.4	1006.7	1002.8	998.8
52.5°	1548.1	1401.5	1253.0	1157.2	1059.4	1024.3	989.1	963.7	953.9	948.0	942.2
55°	1417.1	1325.3	1231.4	1116.1	1000.8	969.5	936.3	918.7	901.1	897.2	893.3
57.5°	1245.1	1208.0	1170.9	1053.6	936.3	907.0	875.7	864.0	848.3	848.3	846.4
60°	1041.8	1096.6	1151.3	1016.4	879.6	846.4	813.1	803.4	797.5	795.6	793.6
62.5°	936.3	1026.2	1114.2	971.5	826.8	791.6	756.5	744.7	742.8	744.7	744.7
65°	846.4	873.7	901.1	834.6	768.2	733.0	695.9	684.1	688.0	693.9	699.8
67.5°	764.3	758.4	752.6	729.1	703.7	674.4	643.1	631.4	633.3	641.1	649.0
70°	686.1	678.3	668.5	650.9	633.3	607.9	582.5	574.7	572.7	582.5	590.3
72.5°	607.9	598.1	586.4	572.7	557.1	535.6	514.1	508.2	510.2	516.0	521.9
75°	521.9	514.1	504.3	492.6	478.9	459.4	439.8	435.9	439.8	445.7	451.5
77.5°	428.1	426.1	422.2	412.4	402.7	381.2	357.7	355.8	361.6	367.5	371.4
80°	334.3	336.2	338.2	330.3	322.5	299.1	273.7	271.7	277.6	283.4	289.3
82.5°	246.3	252.2	256.1	246.3	236.5	209.2	181.8	177.9	197.4	203.3	209.2
85°	142.7	150.5	158.3	150.5	142.7	115.3	88.0	86.0	103.6	113.4	123.1
87.5°	11.7	15.6	19.5	17.6	15.6	7.8	0.0	0.0	2.0	9.8	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814

CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7
2.5°	12730.8	12654.6	12631.2	12607.7	12521.7	12433.7	12523.6	12611.6	12648.7	12685.9	12590.1
5°	10352.0	10338.3	10338.3	10336.4	10258.2	10178.0	10238.6	10297.3	10166.3	10035.3	10021.7
7.5°	7758.1	7842.2	7910.6	7977.1	7951.6	7926.2	7982.9	8039.6	7873.5	7705.4	7623.3
10°	5744.8	5762.4	5836.7	5911.0	5928.6	5944.2	6014.6	6083.0	5954.0	5825.0	5768.3
12.5°	4482.1	4388.3	4398.0	4405.9	4441.0	4474.3	4548.5	4620.9	4568.1	4513.4	4519.2
15°	3629.8	3510.6	3461.7	3410.9	3450.0	3489.1	3541.9	3592.7	3594.7	3594.7	3645.5
17.5°	2963.3	2902.7	2853.8	2803.0	2855.8	2906.6	2912.5	2918.3	2920.3	2922.2	2918.3
20°	2427.7	2457.0	2441.4	2425.8	2445.3	2462.9	2478.5	2492.2	2474.6	2455.1	2406.2
22.5°	2128.6	2154.1	2173.6	2191.2	2224.4	2255.7	2240.1	2222.5	2187.3	2150.2	2113.0
25°	1954.7	1972.3	1991.8	2011.4	2038.7	2064.1	2036.8	2009.4	1984.0	1958.6	1933.2
27.5°	1808.1	1825.7	1843.3	1858.9	1884.3	1907.8	1882.4	1856.9	1835.4	1813.9	1794.4
30°	1688.8	1700.6	1714.3	1727.9	1751.4	1772.9	1751.4	1727.9	1712.3	1694.7	1681.0
32.5°	1587.2	1598.9	1604.8	1610.7	1632.2	1653.7	1638.0	1622.4	1608.7	1595.0	1585.2
35°	1475.8	1499.2	1503.2	1507.1	1528.6	1550.1	1540.3	1528.6	1512.9	1497.3	1479.7
37.5°	1362.4	1389.8	1405.4	1419.1	1440.6	1462.1	1452.3	1442.6	1421.1	1399.6	1368.3
40°	1266.6	1278.4	1307.7	1335.0	1370.2	1403.5	1383.9	1362.4	1329.2	1296.0	1280.3
42.5°	1186.5	1184.5	1211.9	1239.3	1292.0	1342.9	1307.7	1272.5	1241.2	1209.9	1206.0
45°	1116.1	1110.3	1123.9	1137.6	1194.3	1249.0	1213.9	1176.7	1159.1	1141.5	1141.5
47.5°	1053.6	1049.7	1059.4	1067.3	1102.4	1135.7	1118.1	1100.5	1090.7	1080.9	1082.9
50°	996.9	993.0	1002.8	1010.6	1024.3	1036.0	1039.9	1041.8	1036.0	1030.1	1034.0
52.5°	944.1	944.1	948.0	950.0	967.6	985.2	985.2	983.2	983.2	983.2	987.1
55°	899.2	903.1	903.1	903.1	930.4	955.8	948.0	940.2	942.2	942.2	946.1
57.5°	854.2	860.1	864.0	867.9	895.2	922.6	914.8	907.0	907.0	907.0	908.9
60°	803.4	811.2	819.0	826.8	854.2	881.6	873.7	864.0	865.9	867.9	869.8
62.5°	754.5	762.3	770.1	778.0	805.3	832.7	824.9	815.1	821.0	824.9	824.9
65°	707.6	713.5	721.3	729.1	754.5	779.9	772.1	764.3	772.1	778.0	781.9
67.5°	654.8	658.7	666.5	674.4	699.8	725.2	717.4	707.6	717.4	725.2	733.0
70°	594.2	598.1	607.9	615.7	641.1	666.5	656.8	647.0	656.8	666.5	674.4
72.5°	527.8	531.7	541.4	549.3	578.6	607.9	596.2	584.4	596.2	607.9	611.8
75°	455.4	459.4	471.1	480.9	510.2	539.5	529.7	518.0	527.8	537.5	539.5
77.5°	377.3	383.1	398.8	414.4	437.8	461.3	455.4	449.6	455.4	461.3	461.3
80°	295.2	301.0	320.6	338.2	351.8	365.5	367.5	369.4	371.4	373.3	371.4
82.5°	218.9	226.7	244.3	261.9	261.9	261.9	277.6	291.2	291.2	289.3	287.3
85°	134.9	144.6	160.3	175.9	166.1	156.4	181.8	205.2	205.2	203.3	199.4
87.5°	27.4	37.1	52.8	66.5	56.7	46.9	72.3	97.7	99.7	99.7	95.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814

CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7
2.5°	12492.4	12644.8	12795.3	12834.4	12893.1	12918.5	12941.9	13133.5	13323.1	13545.9	13768.8
5°	10006.0	10119.4	10232.8	10250.4	10310.9	10342.2	10373.5	10606.1	10836.8	11147.6	11458.3
7.5°	7541.2	7568.5	7595.9	7592.0	7642.8	7711.2	7777.7	8025.9	8272.2	8606.5	8938.8
10°	5711.6	5774.1	5834.7	5891.4	6002.8	6131.8	6258.9	6513.0	6767.1	7097.5	7425.8
12.5°	4525.1	4597.4	4667.8	4730.3	4859.3	5031.4	5201.4	5506.3	5811.3	6206.1	6599.0
15°	3694.3	3688.5	3682.6	3725.6	3839.0	4026.6	4212.3	4534.9	4857.4	5291.3	5723.3
17.5°	2914.4	2885.1	2855.8	2889.0	2994.6	3149.0	3301.5	3575.1	3846.8	4267.1	4687.3
20°	2357.3	2337.8	2318.3	2349.5	2416.0	2480.5	2545.0	2742.4	2937.9	3280.0	3620.1
22.5°	2073.9	2072.0	2068.1	2085.6	2116.9	2150.2	2181.4	2277.2	2371.0	2591.9	2810.8
25°	1907.8	1905.8	1903.9	1911.7	1937.1	1962.5	1987.9	2050.5	2113.0	2218.6	2324.1
27.5°	1774.9	1770.9	1767.0	1769.0	1774.9	1813.9	1851.1	1880.4	1907.8	1980.1	2050.5
30°	1667.3	1665.4	1663.4	1663.4	1657.6	1671.3	1684.9	1729.9	1772.9	1847.2	1921.5
32.5°	1575.5	1565.7	1555.9	1534.4	1520.7	1540.3	1559.8	1606.7	1653.7	1722.1	1790.5
35°	1460.1	1434.7	1407.4	1395.6	1397.6	1417.1	1436.7	1483.6	1528.6	1602.8	1675.2
37.5°	1335.0	1327.2	1317.5	1315.5	1321.4	1340.9	1360.5	1401.5	1440.6	1514.9	1587.2
40°	1264.7	1260.8	1256.9	1253.0	1256.9	1276.4	1296.0	1335.0	1372.2	1444.5	1514.9
42.5°	1202.1	1200.2	1198.2	1198.2	1200.2	1221.7	1243.2	1282.3	1319.4	1383.9	1448.4
45°	1141.5	1143.5	1143.5	1147.4	1153.3	1174.8	1194.3	1237.3	1280.3	1342.9	1405.4
47.5°	1084.8	1090.7	1094.6	1104.4	1110.3	1133.7	1155.2	1202.1	1249.0	1327.2	1403.5
50°	1036.0	1041.8	1045.8	1053.6	1069.2	1096.6	1123.9	1180.6	1235.4	1366.3	1495.3
52.5°	991.0	996.9	1002.8	1010.6	1030.1	1061.4	1092.7	1163.0	1231.4	1383.9	1536.4
55°	950.0	955.8	959.7	971.5	991.0	1018.4	1043.8	1129.8	1215.8	1327.2	1438.6
57.5°	910.9	916.7	920.7	928.5	938.2	967.6	994.9	1086.8	1178.7	1256.9	1333.1
60°	869.8	873.7	875.7	875.7	883.5	916.7	950.0	1067.3	1182.6	1168.9	1153.3
62.5°	824.9	828.8	830.7	824.9	834.6	869.8	905.0	1057.5	1209.9	1116.1	1022.3
65°	783.8	781.9	779.9	774.1	785.8	821.0	854.2	930.4	1006.7	969.5	932.4
67.5°	738.9	733.0	727.1	719.3	731.1	762.3	791.6	817.1	842.5	846.4	850.3
70°	682.2	674.4	666.5	664.6	670.5	695.9	721.3	738.9	754.5	762.3	768.2
72.5°	615.7	609.9	604.0	600.1	602.0	623.5	643.1	658.7	674.4	680.2	684.1
75°	541.4	541.4	539.5	527.8	527.8	545.4	561.0	574.7	588.4	596.2	604.0
77.5°	461.3	463.3	463.3	447.6	445.7	463.3	478.9	490.6	500.4	508.2	514.1
80°	369.4	365.5	361.6	351.8	347.9	369.4	389.0	398.8	406.6	408.5	408.5
82.5°	283.4	275.6	265.8	244.3	246.3	269.7	291.2	299.1	306.9	306.9	306.9
85°	193.5	177.9	160.3	142.7	144.6	170.1	193.5	201.3	209.2	213.1	215.0
87.5°	91.9	76.2	58.6	45.0	45.0	66.5	86.0	89.9	93.8	101.6	109.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814

CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7
2.5°	13938.8	14106.9	14280.9	14454.9	14654.3	14853.6	15086.2	15316.9	15514.3	15711.7	15875.9
5°	11726.1	11993.9	12308.6	12623.3	13024.0	13424.8	13915.4	14404.1	14839.9	15275.8	15782.1
7.5°	9288.6	9636.6	10047.1	10457.5	10975.5	11493.5	12128.8	12764.1	13379.8	13993.6	14771.5
10°	7791.4	8156.9	8561.5	8964.2	9491.9	10017.7	10690.2	11360.6	12052.6	12742.6	13622.2
12.5°	7005.6	7410.2	7766.0	8121.7	8549.8	8975.9	9626.8	10277.7	11090.9	11902.1	12748.4
15°	6167.0	6608.8	7034.9	7461.0	7928.2	8393.4	9026.7	9660.0	10549.4	11438.8	12412.2
17.5°	5152.5	5617.8	6137.7	6655.7	7265.6	7873.5	8684.7	9495.8	10549.4	11601.0	12748.4
20°	4095.1	4570.0	5191.6	5813.2	6571.6	7328.1	8379.7	9431.3	10850.4	12267.6	13731.6
22.5°	3231.1	3649.4	4327.7	5004.0	5879.7	6755.4	8104.1	9450.9	11305.9	13158.9	15135.1
25°	2619.3	2914.4	3581.0	4245.6	5256.1	6266.7	7936.0	9603.4	11968.5	14331.7	16782.9
27.5°	2244.0	2437.5	3059.1	3678.7	4783.1	5885.5	7867.6	9847.7	12809.0	15770.4	18575.3
30°	2056.3	2191.2	2717.0	3240.9	4362.9	5484.8	7785.5	10086.2	13618.3	17148.4	19976.9
32.5°	1900.0	2007.5	2457.0	2904.7	3999.3	5093.9	7627.2	10158.5	14183.2	18207.9	21163.3
35°	1767.0	1856.9	2247.9	2638.8	3713.9	4789.0	7361.3	9933.7	14537.0	19140.2	22398.7
37.5°	1659.5	1729.9	2091.5	2453.1	3467.6	4482.1	7058.4	9634.6	14851.7	20068.7	23788.5
40°	1575.5	1636.1	1974.2	2312.4	3233.0	4153.7	6798.4	9441.1	15285.6	21130.1	25256.4
42.5°	1528.6	1606.7	1872.6	2136.5	3010.2	3884.0	6589.2	9294.5	15688.3	22080.1	26540.7
45°	1516.8	1628.3	1819.8	2011.4	2844.1	3676.8	6403.5	9128.4	15948.3	22768.1	27508.2
47.5°	1497.3	1589.2	1778.8	1968.4	2762.0	3553.6	6303.8	9052.1	16208.2	23362.4	28311.6
50°	1509.0	1520.7	1745.5	1968.4	2750.2	3532.1	6417.2	9302.3	16771.2	24238.1	29230.3
52.5°	1487.5	1436.7	1683.0	1929.3	2748.3	3567.3	6743.7	9920.0	17816.9	25711.9	30225.2
55°	1374.1	1307.7	1565.7	1823.7	2707.2	3588.8	7132.6	10674.5	19220.4	27764.3	32013.8
57.5°	1274.5	1213.9	1432.8	1649.8	2582.1	3514.5	7533.3	11550.2	20704.0	29855.8	34029.1
60°	1141.5	1127.9	1284.2	1440.6	2388.6	3334.7	7863.7	12390.7	21700.9	31009.1	34805.1
62.5°	1032.1	1039.9	1155.2	1270.5	2146.2	3020.0	7973.1	12924.4	21673.5	30422.7	34023.2
65°	948.0	961.7	1075.1	1188.4	1939.0	2689.6	7613.5	12535.4	20576.9	28616.5	32477.0
67.5°	865.9	881.6	1016.4	1149.4	1755.3	2359.3	6714.3	11067.4	18604.7	26140.0	30510.6
70°	787.7	807.3	953.9	1100.5	1622.4	2142.3	5555.2	8968.1	16135.9	23301.8	28233.4
72.5°	703.7	723.2	879.6	1036.0	1538.3	2038.7	4529.0	7017.3	13094.4	19169.6	24150.1
75°	617.7	631.4	801.4	969.5	1423.0	1876.5	3553.6	5228.8	10021.7	14814.5	18241.1
77.5°	531.7	549.3	692.0	832.7	1208.0	1581.3	2677.9	3774.5	7353.5	10930.6	12685.9
80°	424.2	439.8	541.4	641.1	932.4	1221.7	1841.3	2460.9	5060.7	7660.4	8649.5
82.5°	324.5	342.1	410.5	476.9	664.6	852.2	1116.1	1380.0	3362.1	5342.1	5424.2
85°	222.8	228.7	277.6	324.5	410.5	496.5	639.2	781.9	2224.4	3667.0	3055.2
87.5°	111.4	111.4	144.6	177.9	220.9	263.9	338.2	410.5	711.5	1012.5	582.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814

CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7
2.5°	16085.1	16227.8	16372.4	16481.9	16593.3	16753.6	16913.9	16943.2	16974.5	16911.9	16849.4
5°	16292.3	16724.3	17158.2	17558.9	17959.6	18200.0	18440.5	18489.3	18538.2	18387.7	18235.2
7.5°	15524.1	16276.6	17029.2	17719.2	18409.2	18827.5	19247.8	19341.6	19437.4	19191.1	18944.8
10°	14497.9	15422.4	16347.0	17255.9	18164.9	18772.8	19380.7	19501.9	19623.1	19316.2	19009.3
12.5°	13704.3	14691.4	15678.5	16636.3	17596.0	18225.5	18854.9	19005.4	19155.9	18933.1	18708.3
15°	13459.9	14388.4	15316.9	16151.5	16988.1	17502.2	18018.3	18078.9	18141.4	18106.2	18071.0
17.5°	13903.7	14742.2	15582.7	16036.2	16491.7	16696.9	16904.1	16970.5	17039.0	17126.9	17216.8
20°	14978.7	15569.0	16161.3	16141.8	16120.3	16020.6	15918.9	15901.3	15883.7	16135.9	16390.0
22.5°	16583.5	16818.1	17054.6	16505.3	15956.1	15621.8	15285.6	15219.2	15150.7	15418.5	15688.3
25°	18325.1	18282.1	18237.2	17191.4	16143.7	15506.5	14869.3	14795.0	14720.7	14949.4	15180.1
27.5°	20049.2	19767.7	19486.2	18065.2	16644.1	15719.6	14795.0	14720.7	14646.4	14849.7	15053.0
30°	21313.9	20862.3	20410.8	18802.1	17193.4	16094.9	14996.3	14875.1	14752.0	15002.2	15252.4
32.5°	22301.0	21695.0	21089.1	19400.2	17711.4	16522.9	15334.5	15144.9	14955.3	15289.5	15623.8
35°	23286.1	22433.9	21579.7	19933.8	18286.1	17029.2	15770.4	15537.8	15305.2	15764.5	16223.9
37.5°	24525.4	23301.8	22076.2	20533.9	18991.7	17787.6	16581.6	16343.1	16104.6	16689.1	17275.5
40°	25870.2	24238.1	22605.9	21190.7	19775.5	18837.3	17897.1	17670.3	17441.6	18153.1	18864.6
42.5°	26988.3	25109.8	23231.4	21982.4	20731.4	20070.7	19408.0	19406.1	19402.2	20123.5	20844.7
45°	27897.2	25837.0	23774.8	22754.5	21732.2	21388.1	21044.1	21319.7	21595.3	22246.2	22899.1
47.5°	28575.5	26446.8	24316.2	23638.0	22959.7	23010.5	23061.3	23622.3	24183.3	24601.6	25021.9
50°	29017.3	27000.0	24980.8	24771.7	24562.5	25018.0	25475.4	26118.5	26763.5	27048.9	27334.3
52.5°	29660.3	27750.6	25838.9	26073.5	26308.1	27238.5	28168.9	28819.8	29470.7	29576.3	29683.8
55°	31147.9	29130.6	27111.4	27561.0	28012.5	29376.9	30743.2	31251.5	31759.7	31798.8	31837.9
57.5°	33260.9	31063.8	28866.7	29351.5	29836.3	31411.7	32989.2	33536.5	34085.7	34009.5	33931.3
60°	34842.2	32899.3	30954.3	31443.0	31931.7	33468.1	35004.4	35633.9	36265.2	36097.1	35929.0
62.5°	34939.9	33902.0	32862.1	33303.9	33747.6	35252.7	36757.8	37404.8	38051.8	37758.6	37465.4
65°	33386.0	33851.2	34316.4	34463.0	34609.6	36013.1	37418.5	37913.0	38409.5	38260.9	38112.4
67.5°	31245.6	32959.8	34676.1	34380.9	34085.7	34744.5	35403.2	35913.4	36423.5	36339.5	36253.5
70°	29109.1	31398.1	33687.0	32236.6	30784.3	30512.6	30240.9	30790.2	31341.4	31001.3	30659.2
72.5°	25471.5	27910.9	30352.3	27680.3	25008.2	24079.7	23151.3	23849.1	24546.9	24005.5	23462.0
75°	19994.4	22689.9	25387.4	22199.3	19011.2	17772.0	16532.7	17132.8	17732.9	17361.5	16988.1
77.5°	14884.9	17541.3	20197.7	16956.9	13714.0	12793.4	11870.8	12048.7	12228.5	12165.9	12101.4
80°	10095.9	11947.0	13800.1	11642.1	9484.1	9554.5	9626.8	9542.8	9456.8	9581.9	9707.0
82.5°	6442.6	7871.5	9302.3	8156.9	7011.4	7668.2	8325.0	8002.5	7678.0	7797.2	7918.4
85°	3676.8	5074.4	6473.9	6034.1	5592.3	5975.5	6360.5	5860.1	5359.7	5578.7	5799.5
87.5°	969.5	2806.9	4646.3	4218.2	3790.1	3293.6	2797.2	2134.5	1471.9	2150.2	2828.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814

CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7	14894.7
2.5°	16816.1	16782.9	16663.7	16542.5	16362.6	16214.1	15956.1
5°	18024.1	17813.0	17449.4	17083.9	16677.3	16210.2	15692.2
7.5°	18452.2	17957.7	17259.8	16560.1	15930.7	15191.8	14503.7
10°	18270.4	17529.6	16622.6	15713.7	14949.4	14099.1	13334.8
12.5°	17922.5	17134.7	16135.9	15135.1	14265.3	13352.4	12496.3
15°	17443.6	16814.2	15877.9	14941.6	14065.9	13178.5	12164.0
17.5°	16919.7	16620.7	15944.3	15266.1	14507.7	13647.6	12457.2
20°	16497.5	16607.0	16337.2	16067.5	15459.6	14709.0	13372.0
22.5°	16212.1	16737.9	16945.1	17154.3	16788.8	16202.4	14656.2
25°	16051.8	16923.6	17617.5	18313.4	18151.2	17699.6	16216.0
27.5°	16122.2	17191.4	18268.5	19347.4	19498.0	19372.9	17859.9
30°	16333.3	17416.2	18727.8	20041.4	20641.4	20809.5	19230.2
32.5°	16685.2	17746.6	19175.4	20606.3	21513.2	22048.8	20483.1
35°	17216.8	18209.8	19699.3	21188.8	22361.6	23338.9	21777.1
37.5°	18129.7	18983.9	20358.0	21734.1	23254.9	24722.8	23202.1
40°	19466.7	20070.7	21231.8	22394.8	24308.4	26290.5	24791.2
42.5°	21153.6	21464.4	22385.0	23305.7	25408.9	27713.5	26345.2
45°	22981.2	23063.3	23641.9	24222.4	26280.7	28683.0	27512.1
47.5°	24740.4	24458.9	24689.6	24920.2	26949.2	29375.0	28397.6
50°	26550.4	25766.6	25645.4	25524.2	27617.7	30190.1	29523.5
52.5°	28391.8	27099.7	26620.8	26140.0	28415.2	31271.0	30925.0
55°	30194.0	28550.1	27905.0	27260.0	29634.9	32590.4	32983.3
57.5°	32068.5	30205.7	29607.6	29009.4	31427.4	34261.7	34830.5
60°	34085.7	32240.5	31761.6	31280.8	33655.7	36067.8	35653.4
62.5°	35999.4	34533.4	34281.2	34027.1	35909.5	37455.6	35332.8
65°	37277.7	36441.1	36675.7	36912.2	37613.9	37801.6	34394.6
67.5°	36423.5	36593.6	37584.6	38577.6	38094.8	36773.4	32545.5
70°	31677.6	32697.9	35045.5	37395.0	36323.9	34019.3	29226.4
72.5°	24607.5	25754.9	29240.1	32727.2	31740.1	28917.6	24005.5
75°	18282.1	19578.1	23424.9	27271.7	25901.5	21630.5	17187.5
77.5°	12969.3	13837.2	17635.1	21435.0	19200.8	14398.2	11565.9
80°	9441.1	9175.3	11292.2	13409.1	13037.7	9523.2	7427.8
82.5°	7269.5	6620.5	7617.4	8614.3	8559.6	6608.8	5449.7
85°	5539.6	5279.6	6161.2	7042.7	6288.2	4476.2	3463.7
87.5°	3229.1	3631.8	4669.7	5709.6	4284.7	1358.5	672.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320814
 CATALOG NUMBER: GLEON-SA0C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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.

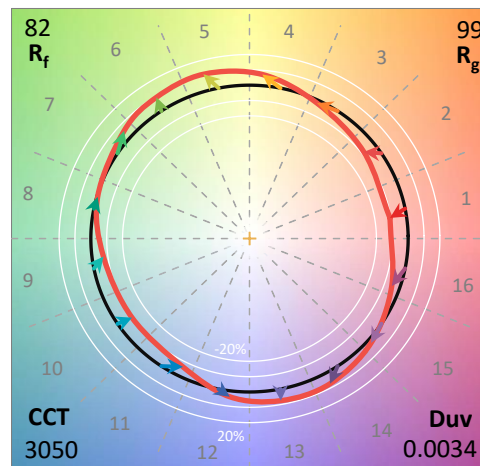
Test Information

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
 CIE u': 0.2476
 CIE v': 0.5251
 Duv: 0.0034
 CIE x: 0.4383
 CIE y: 0.4131
 CIE z: 0.1487
 Peak Wavelength (nm): 603
 Dominant Wavelength (nm): 581
 Purity: 55.55201
 Rf: 81.5
 Rg: 99.2

CRI (Ra):	81.0		
R1:	79.6	R9:	7.1
R2:	85.6	R10:	67.0
R3:	92.0	R11:	82.7
R4:	82.6	R12:	63.2
R5:	78.9	R13:	80.3
R6:	81.7	R14:	95.0
R7:	85.2	R15:	71.7
R8:	62.0		



Test Conditions

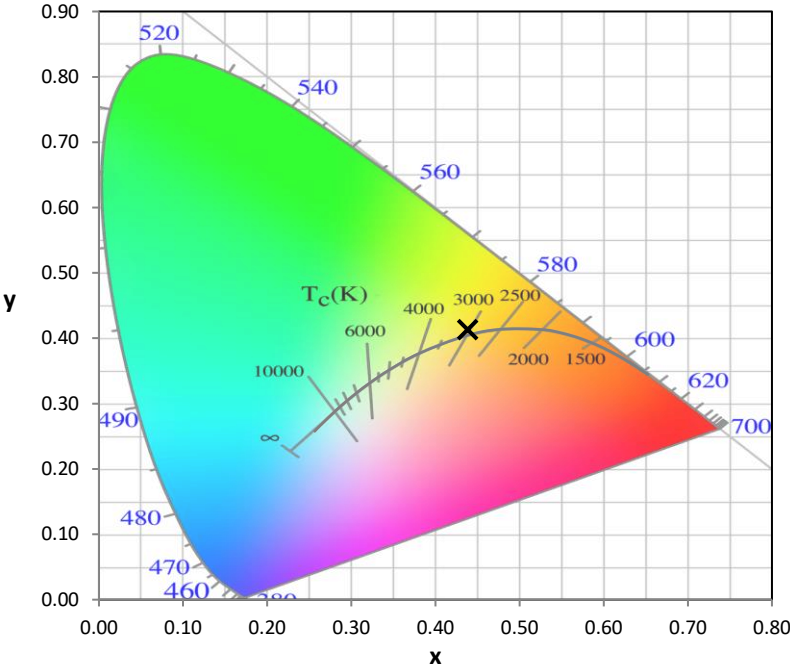
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

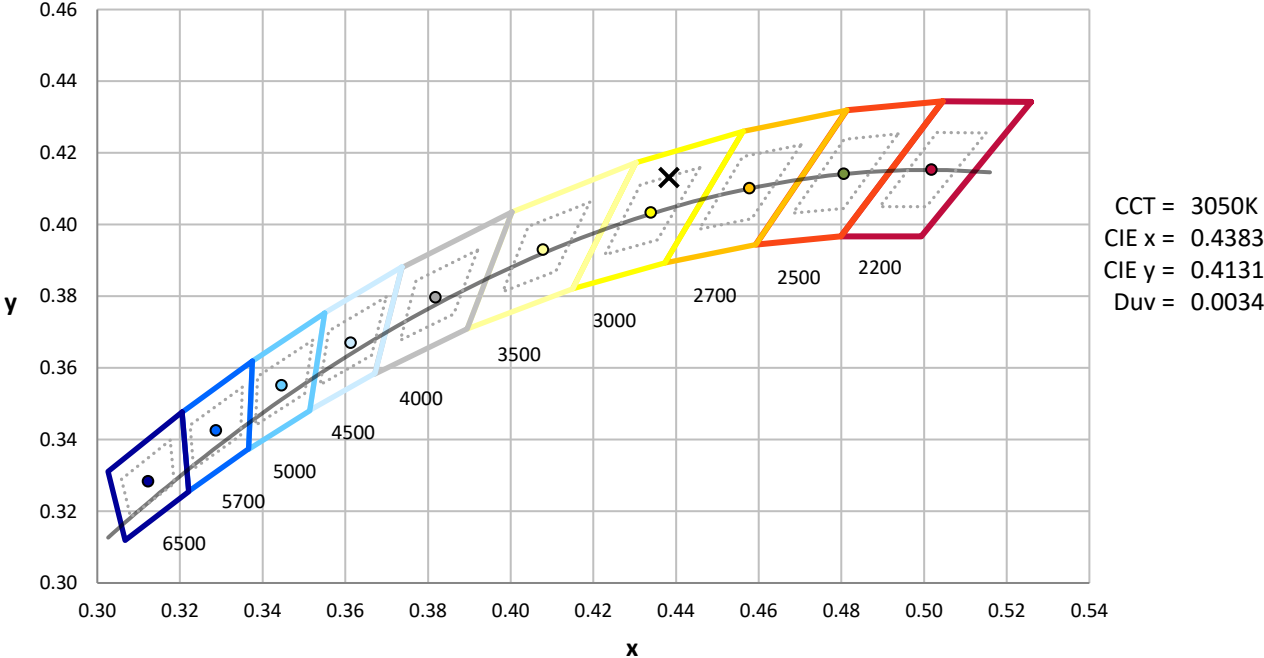
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



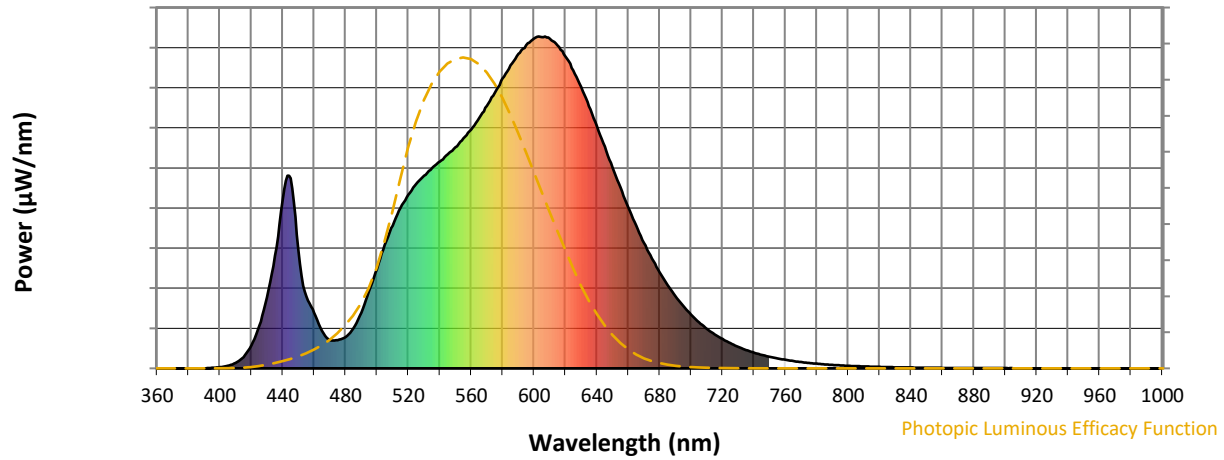
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

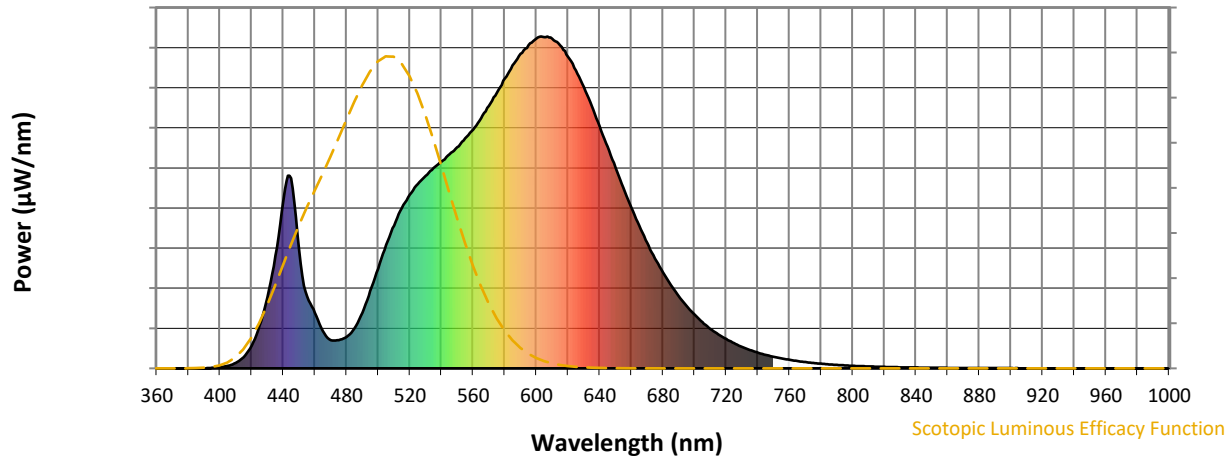


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength



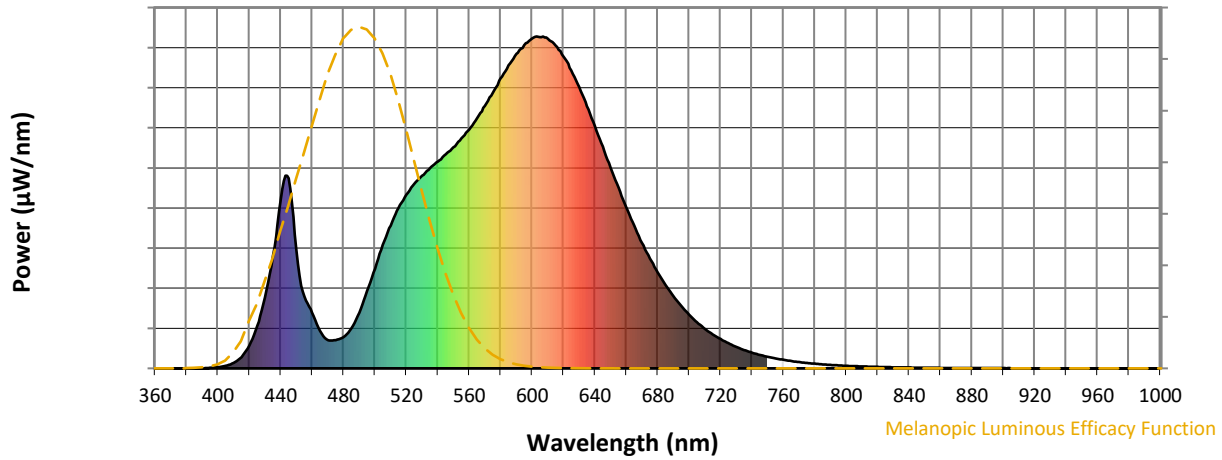
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



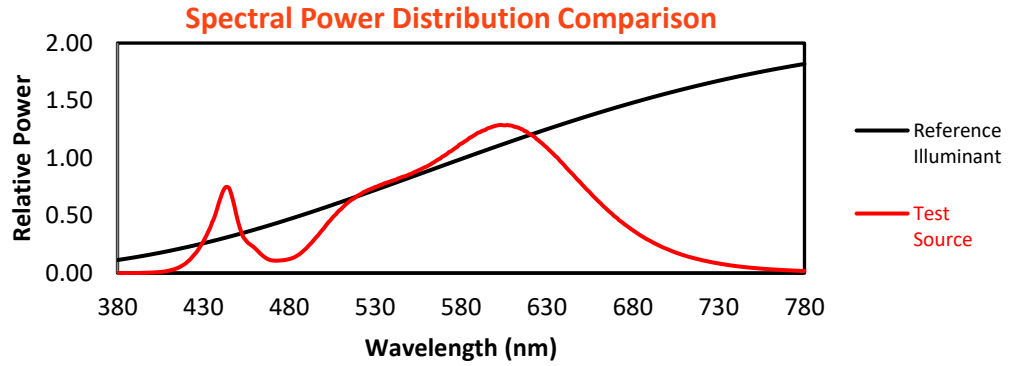
Melanopic Lumens: NR

M/P: 2.32

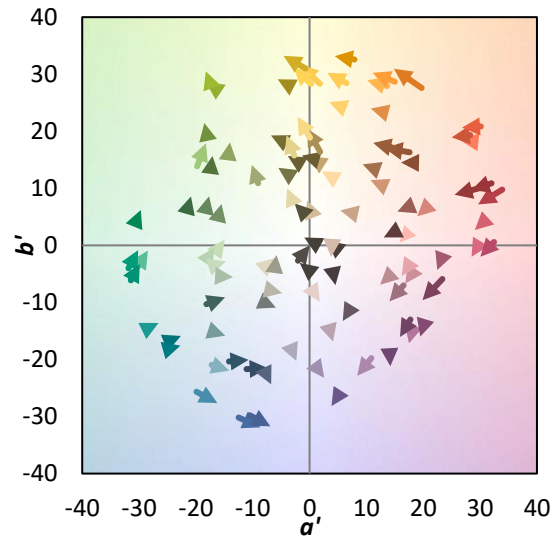
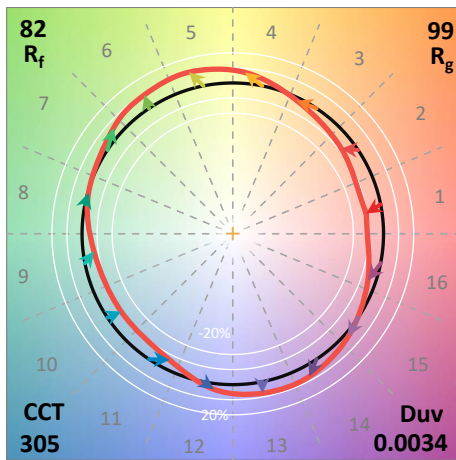
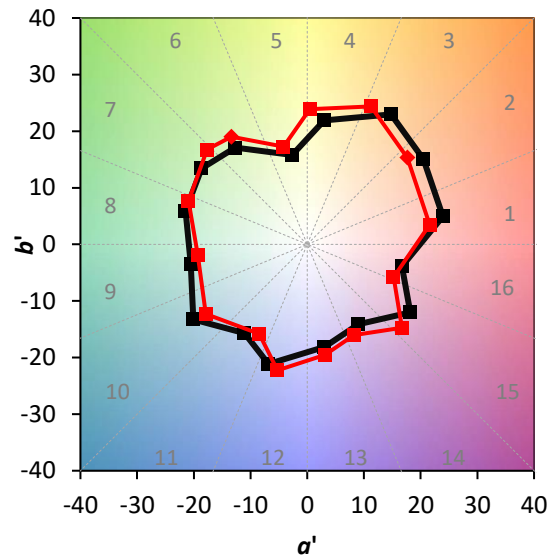
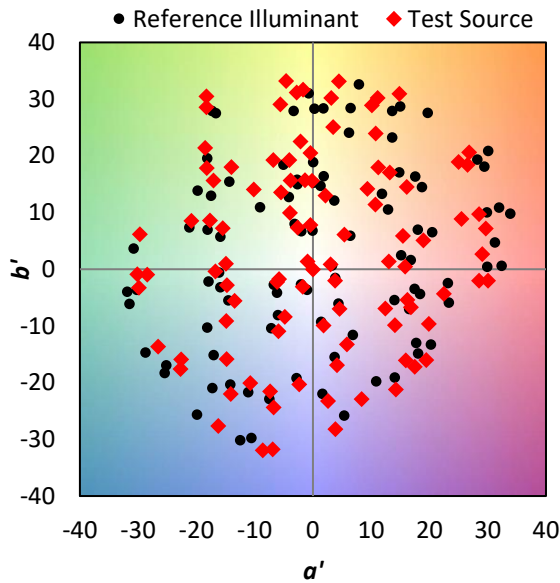
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	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			

Summary

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

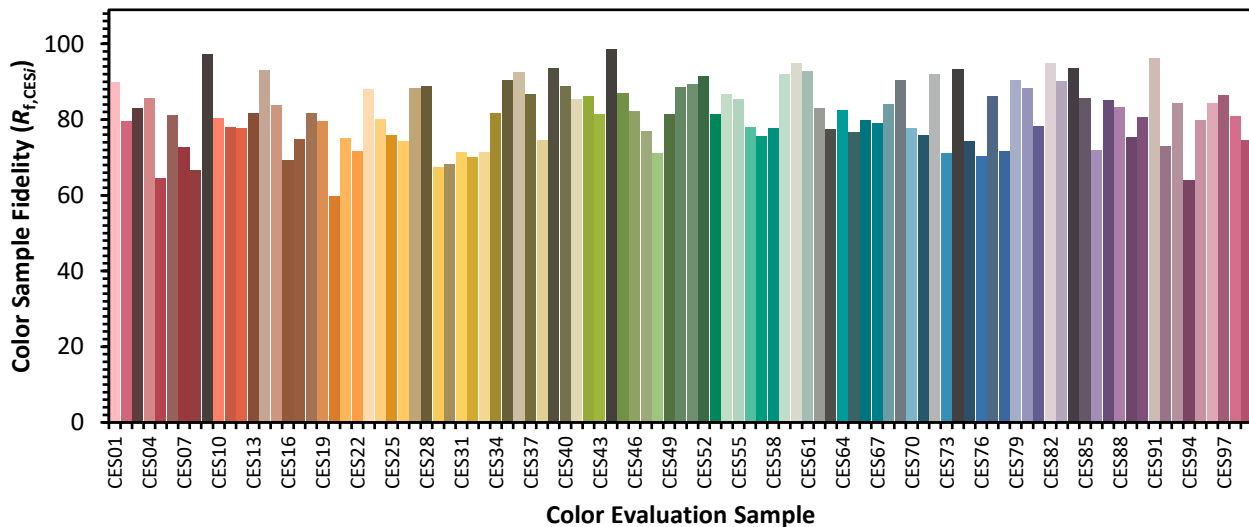


Color Vector Graphics

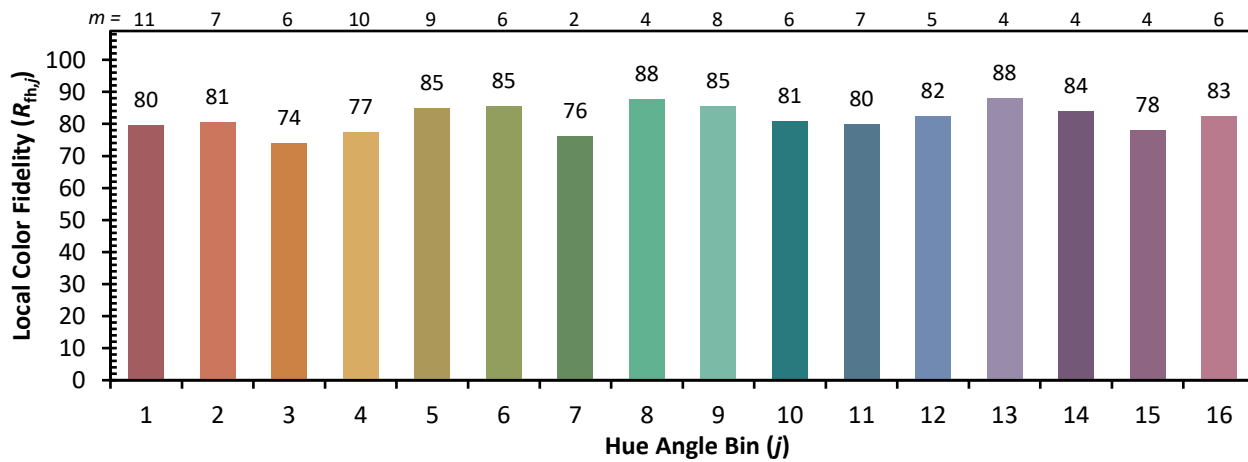
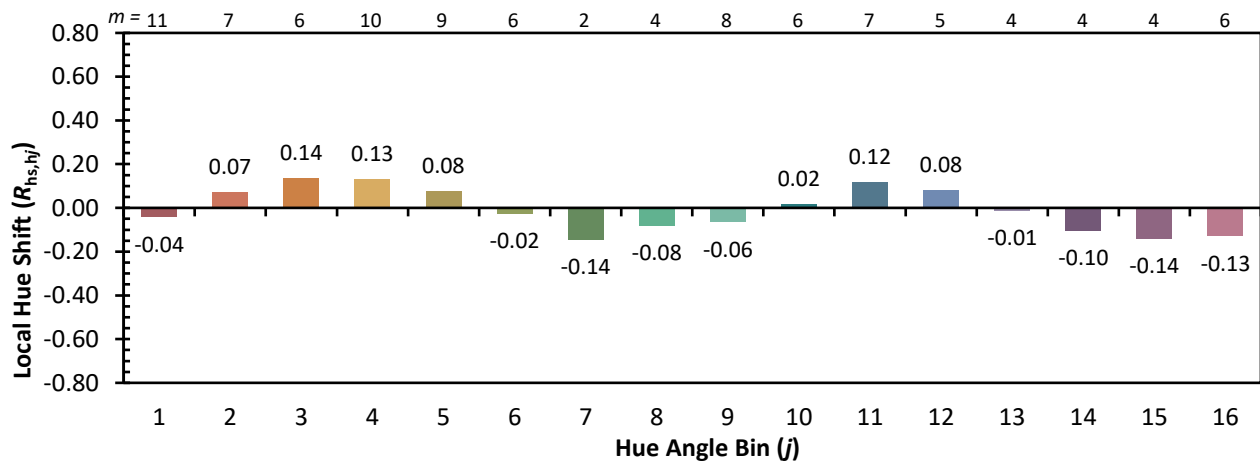
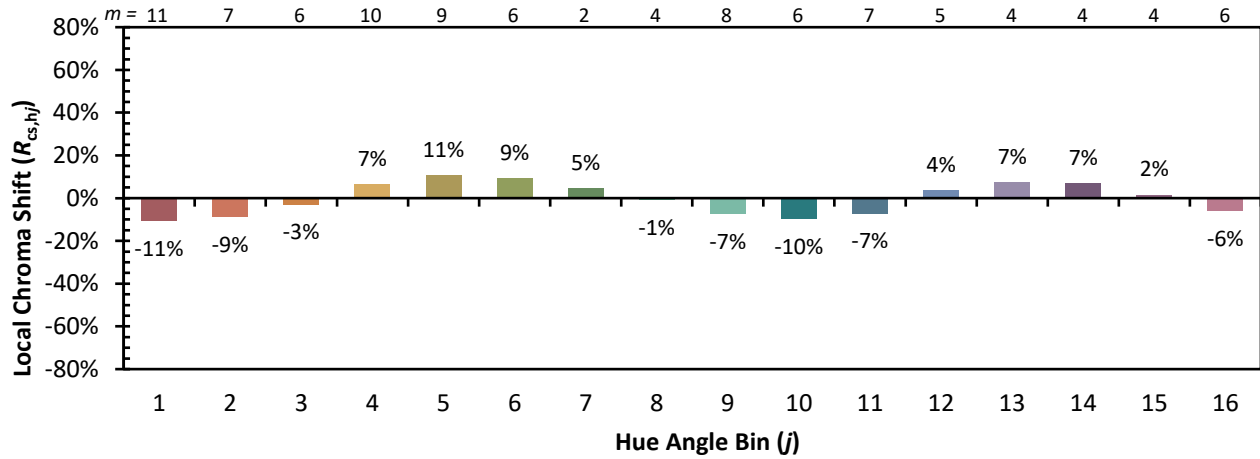


Individual Sample Fidelity Index ($R_{f,i}$)

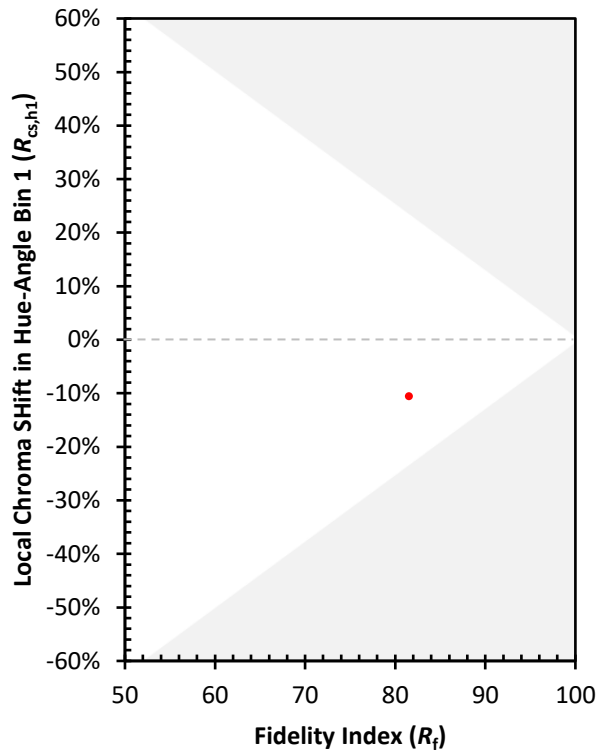
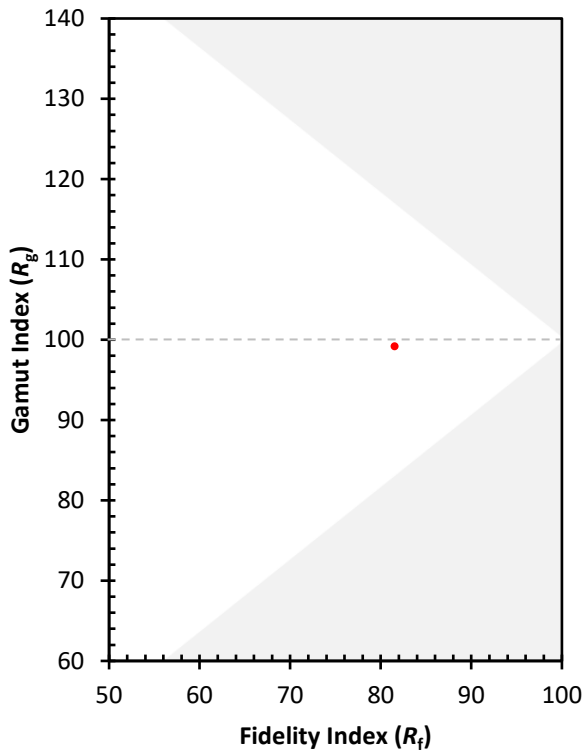
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)