

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: P320810

Luminaire Tested: **GLEON-SA6C-830-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320810
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-SA6C-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 29542 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

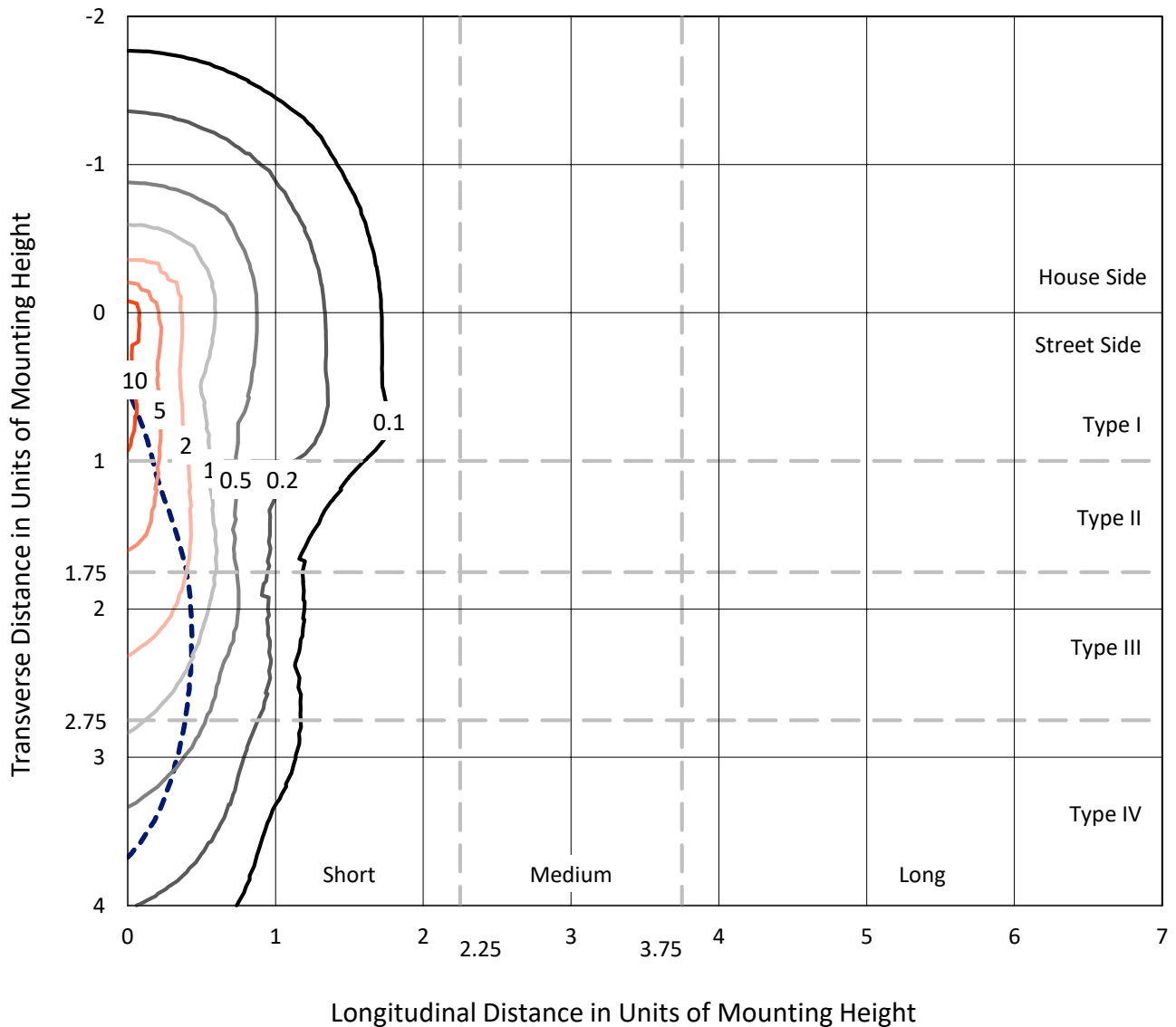
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

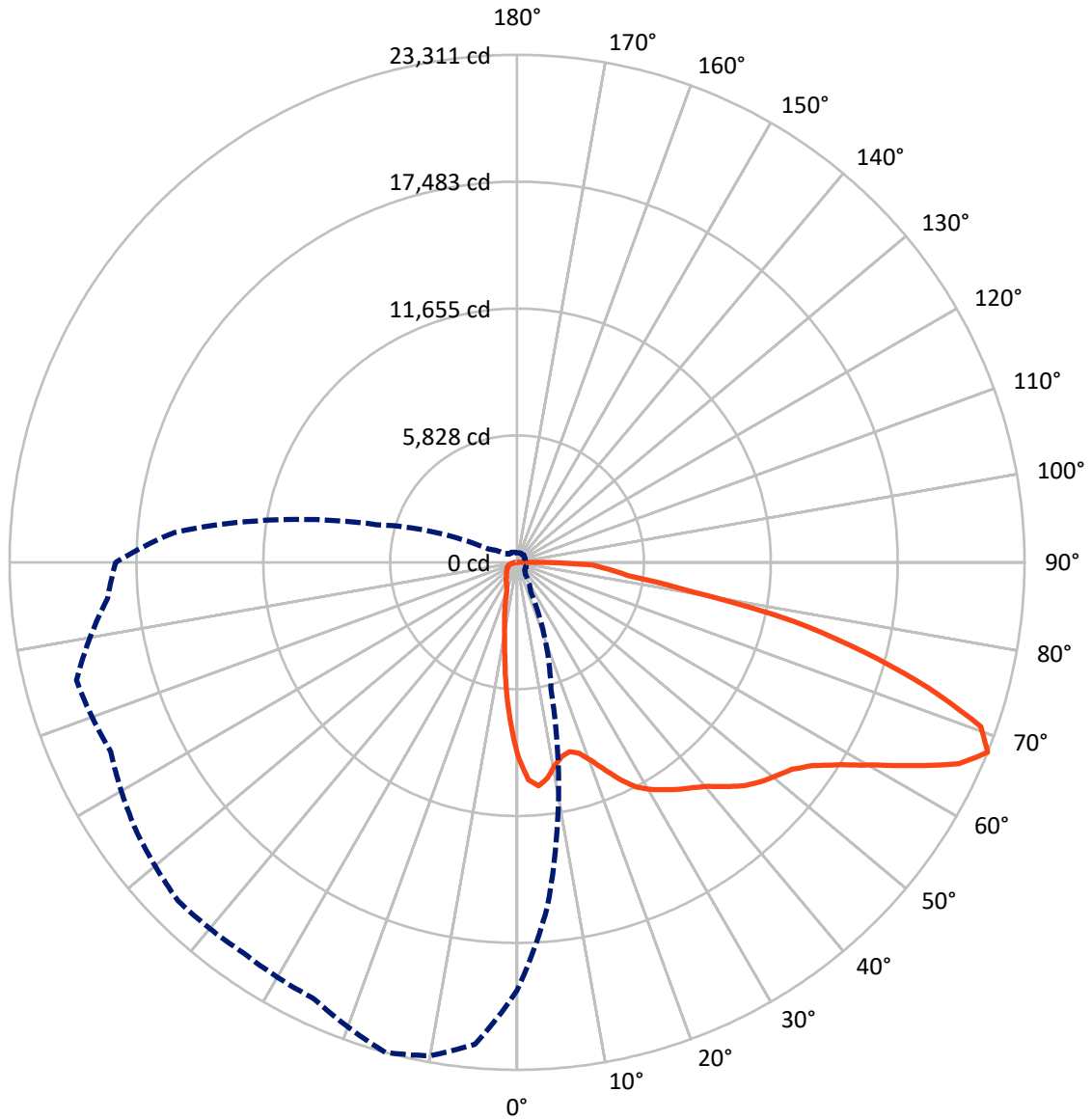
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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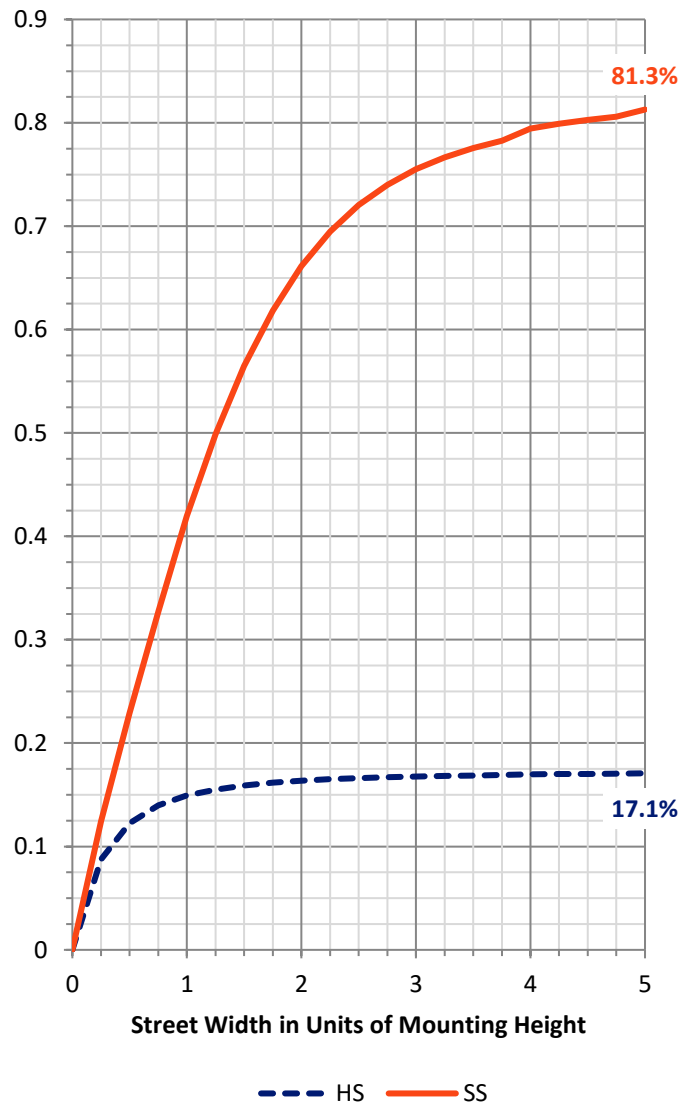
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5107.2	0.0	5107.2
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	24434.8	0.0	24434.8
	% Fixture	82.7	0.0	82.7
Total	Lumens	29542.0	0.0	29542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.6	2.4
10°-20°	1443.0	4.9
20°-30°	2052.2	6.9
30°-40°	2957.3	10.0
40°-50°	4167.6	14.1
50°-60°	5793.7	19.6
60°-70°	7006.3	23.7
70°-80°	4306.7	14.6
80°-90°	1120.6	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°	29542.0	100.0
0°-180°	29542.0	100.0

Coefficient of Utilization

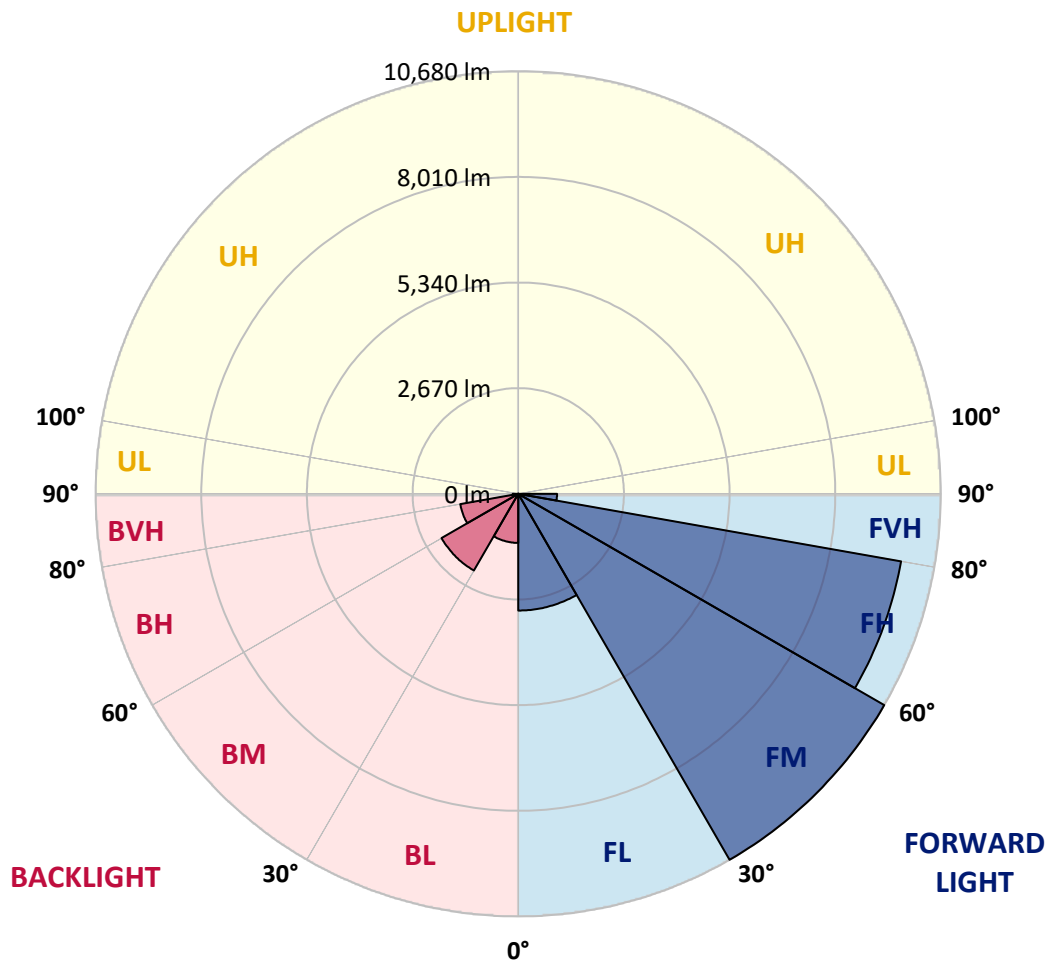


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2949.8	10.0			
FM (30°-60°)	10680.2	36.2			
FH (60°-80°)	9824.7	33.3			G4/12000
FVH (80°-90°)	980.1	3.3			G5
BL (0°-30°)	1240.0	4.2	B3/2500		
BM (30°-60°)	2238.4	7.6	B2/2500		
BH (60°-80°)	1488.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	140.5	0.5			G2/225
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2
2.5°	9641.5	9556.5	9427.7	9299.0	9203.3	9106.5	8996.6	8886.8	8761.6	8635.2	8560.8
5°	9482.1	9245.8	8938.8	8631.7	8428.5	8225.4	7995.0	7764.7	7536.8	7308.8	7186.0
7.5°	8763.9	8409.6	8010.4	7611.2	7315.9	7019.4	6700.5	6380.4	6097.0	5812.3	5636.3
10°	8057.6	7632.4	7174.2	6714.7	6336.7	5958.8	5638.7	5317.4	5103.6	4889.9	4728.0
12.5°	7550.9	7079.7	6575.3	6069.8	5691.8	5313.9	5110.7	4907.6	4730.4	4553.2	4366.6
15°	7350.1	6817.5	6301.3	5784.0	5440.3	5096.6	4871.0	4644.2	4406.8	4168.2	3939.1
17.5°	7527.3	6903.7	6342.6	5781.6	5331.6	4881.6	4566.2	4249.7	3936.7	3623.7	3357.9
20°	8080.1	7284.0	6550.5	5815.9	5217.0	4618.2	4195.4	3771.3	3369.8	2968.2	2667.0
22.5°	8856.1	7802.5	6844.6	5886.7	5113.1	4338.3	3807.9	3276.4	2801.6	2326.8	2031.5
25°	9798.6	8489.9	7268.6	6046.2	5070.6	4093.8	3441.8	2789.8	2289.0	1787.0	1576.8
27.5°	10791.9	9309.6	7795.4	6280.0	5077.7	3875.3	3133.5	2390.6	1939.4	1488.2	1344.1
30°	11619.9	10246.3	8409.6	6571.8	5104.8	3637.9	2843.0	2048.1	1676.0	1304.0	1210.7
32.5°	12377.0	10899.4	8872.6	6844.6	5135.5	3425.3	2618.6	1810.7	1507.1	1202.4	1125.6
35°	13158.9	11479.4	9196.2	6911.9	5082.4	3251.6	2465.0	1678.4	1398.5	1117.3	1052.4
37.5°	14020.0	12106.5	9508.1	6908.4	4992.6	3076.8	2345.7	1613.4	1327.6	1040.6	993.3
40°	14980.2	12799.9	9845.9	6891.9	4911.1	2929.2	2257.1	1583.9	1288.6	992.1	952.0
42.5°	15919.2	13461.3	10160.0	6858.8	4845.0	2830.0	2169.7	1509.5	1253.2	995.7	939.0
45°	16624.3	14038.9	10432.9	6825.7	4795.4	2765.0	2101.2	1437.4	1220.1	1002.8	930.7
47.5°	17159.4	14618.8	10735.2	6850.5	4790.6	2730.8	2052.8	1374.8	1157.5	939.0	909.5
50°	17839.7	15315.7	11175.8	7036.0	4855.6	2675.2	1996.1	1315.8	1097.3	878.8	918.9
52.5°	18686.6	16310.2	11858.5	7405.7	4991.4	2577.2	1906.3	1235.5	1024.0	811.4	874.0
55°	19930.3	17584.6	12731.3	7876.9	5155.6	2433.1	1770.5	1106.7	927.2	746.5	802.0
57.5°	21046.5	18872.0	13568.8	8264.3	5258.4	2251.2	1599.2	947.3	818.5	689.8	721.7
60°	21543.7	19535.8	13960.9	8384.8	5197.0	2009.1	1406.7	803.2	722.8	642.5	636.6
62.5°	21350.0	19114.2	13574.7	8035.2	4896.9	1758.7	1236.6	714.6	654.3	592.9	579.9
65°	20783.1	17788.9	12492.8	7196.6	4390.2	1583.9	1129.2	674.4	607.1	539.8	525.6
67.5°	19665.7	15902.7	10959.7	6016.7	3746.5	1476.4	1067.7	659.1	577.6	494.9	478.4
70°	17660.2	13632.5	9193.9	4754.0	3082.7	1410.3	1027.6	644.9	545.7	445.3	429.9
72.5°	14505.4	10930.1	7341.9	3752.4	2577.2	1402.0	1022.9	643.7	519.7	395.7	381.5
75°	10385.6	8302.1	5604.4	2905.6	2110.7	1315.8	970.9	626.0	484.3	341.3	328.4
77.5°	6988.7	5746.2	3895.4	2043.3	1566.2	1089.0	816.2	543.3	414.6	285.8	272.8
80°	4488.3	3976.8	2610.3	1243.7	1015.8	787.8	583.5	379.1	302.4	224.4	213.8
82.5°	3293.0	2959.9	1814.2	668.5	564.6	459.5	356.7	253.9	206.7	159.5	154.7
85°	2093.0	2307.9	1335.9	363.8	297.6	231.5	191.3	151.2	119.3	87.4	87.4
87.5°	406.3	562.2	369.7	176.0	128.7	81.5	69.7	56.7	31.9	5.9	7.1
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



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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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2
2.5°	8485.2	8403.7	8322.2	8230.1	8136.8	8050.6	7963.1	7867.5	7885.2	7812.0	7738.7
5°	7063.1	6933.2	6802.1	6688.7	6575.3	6477.3	6378.1	6289.5	6366.3	6314.3	6262.3
7.5°	5459.2	5298.5	5136.7	5000.9	4865.1	4759.9	4653.6	4580.4	4656.0	4646.5	4637.1
10°	4566.2	4410.3	4253.2	4103.2	3953.2	3825.7	3696.9	3588.3	3569.4	3515.0	3459.5
12.5°	4178.8	3965.0	3750.1	3593.0	3435.9	3283.5	3131.2	3003.6	2945.7	2856.0	2765.0
15°	3709.9	3457.2	3204.4	3026.0	2846.5	2698.9	2550.0	2440.2	2403.6	2333.9	2264.2
17.5°	3092.2	2815.8	2539.4	2358.7	2176.8	2058.7	1939.4	1866.2	1866.2	1846.1	1826.0
20°	2365.8	2118.9	1872.1	1733.9	1595.7	1533.1	1469.3	1438.6	1448.1	1449.2	1449.2
22.5°	1735.1	1583.9	1432.7	1377.2	1320.5	1298.1	1275.6	1262.6	1267.3	1268.5	1269.7
25°	1366.6	1308.7	1249.6	1221.3	1191.8	1177.6	1163.4	1158.7	1169.3	1170.5	1170.5
27.5°	1200.0	1164.6	1128.0	1110.3	1091.4	1085.5	1079.5	1071.3	1081.9	1081.9	1080.7
30°	1116.2	1078.4	1040.6	1018.1	995.7	998.1	999.2	996.9	1004.0	1008.7	1012.2
32.5°	1047.7	1011.0	974.4	952.0	928.4	924.8	921.3	918.9	934.3	942.5	950.8
35°	986.2	946.1	905.9	884.7	863.4	855.1	846.9	841.0	855.1	865.8	876.4
37.5°	944.9	903.6	861.0	841.0	819.7	809.1	798.4	791.4	797.3	802.0	806.7
40°	911.8	869.3	825.6	802.0	778.4	767.7	757.1	751.2	754.7	755.9	757.1
42.5°	881.1	839.8	798.4	772.5	745.3	732.3	719.3	712.2	714.6	716.9	718.1
45°	858.7	817.3	774.8	744.1	712.2	698.0	683.9	675.6	676.8	676.8	676.8
47.5°	879.9	819.7	758.3	722.8	686.2	669.7	653.2	644.9	642.5	640.2	637.8
50°	957.9	855.1	751.2	706.3	660.2	642.5	623.6	614.2	608.3	605.9	603.6
52.5°	935.5	846.9	757.1	699.2	640.2	618.9	597.6	582.3	576.4	572.8	569.3
55°	856.3	800.8	744.1	674.4	604.7	585.8	565.8	555.1	544.5	542.1	539.8
57.5°	752.4	729.9	707.5	636.6	565.8	548.0	529.1	522.1	512.6	512.6	511.4
60°	629.5	662.6	695.7	614.2	531.5	511.4	491.3	485.4	481.9	480.7	479.5
62.5°	565.8	620.1	673.2	587.0	499.6	478.4	457.1	450.0	448.8	450.0	450.0
65°	511.4	528.0	544.5	504.3	464.2	442.9	420.5	413.4	415.8	419.3	422.8
67.5°	461.8	458.3	454.7	440.6	425.2	407.5	388.6	381.5	382.7	387.4	392.1
70°	414.6	409.9	403.9	393.3	382.7	367.3	352.0	347.3	346.1	352.0	356.7
72.5°	367.3	361.4	354.3	346.1	336.6	323.6	310.6	307.1	308.3	311.8	315.4
75°	315.4	310.6	304.7	297.6	289.4	277.6	265.8	263.4	265.8	269.3	272.8
77.5°	258.7	257.5	255.1	249.2	243.3	230.3	216.1	215.0	218.5	222.1	224.4
80°	202.0	203.2	204.3	199.6	194.9	180.7	165.4	164.2	167.7	171.3	174.8
82.5°	148.8	152.4	154.7	148.8	142.9	126.4	109.8	107.5	119.3	122.8	126.4
85°	86.2	90.9	95.7	90.9	86.2	69.7	53.2	52.0	62.6	68.5	74.4
87.5°	7.1	9.4	11.8	10.6	9.4	4.7	0.0	0.0	1.2	5.9	10.6
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: P320810
 CATALOG NUMBER: GLEON-SA6C-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: P320810

CATALOG NUMBER: GLEON-SA6C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2
2.5°	7692.7	7646.6	7632.4	7618.3	7566.3	7513.1	7567.5	7620.6	7643.1	7665.5	7607.6
5°	6255.2	6247.0	6247.0	6245.8	6198.5	6150.1	6186.7	6222.2	6143.0	6063.9	6055.6
7.5°	4687.9	4738.7	4780.0	4820.2	4804.8	4789.5	4823.7	4858.0	4757.6	4656.0	4606.4
10°	3471.3	3482.0	3526.8	3571.7	3582.4	3591.8	3634.3	3675.7	3597.7	3519.8	3485.5
12.5°	2708.3	2651.6	2657.5	2662.3	2683.5	2703.6	2748.5	2792.2	2760.3	2727.2	2730.8
15°	2193.3	2121.3	2091.8	2061.1	2084.7	2108.3	2140.2	2170.9	2172.1	2172.1	2202.8
17.5°	1790.6	1754.0	1724.4	1693.7	1725.6	1756.3	1759.9	1763.4	1764.6	1765.8	1763.4
20°	1467.0	1484.7	1475.2	1465.8	1477.6	1488.2	1497.7	1505.9	1495.3	1483.5	1454.0
22.5°	1286.2	1301.6	1313.4	1324.0	1344.1	1363.0	1353.6	1342.9	1321.7	1299.2	1276.8
25°	1181.1	1191.8	1203.6	1215.4	1231.9	1247.3	1230.7	1214.2	1198.8	1183.5	1168.1
27.5°	1092.5	1103.2	1113.8	1123.3	1138.6	1152.8	1137.4	1122.1	1109.1	1096.1	1084.3
30°	1020.5	1027.6	1035.8	1044.1	1058.3	1071.3	1058.3	1044.1	1034.7	1024.0	1015.8
32.5°	959.1	966.2	969.7	973.2	986.2	999.2	989.8	980.3	972.1	963.8	957.9
35°	891.7	905.9	908.3	910.6	923.6	936.6	930.7	923.6	914.2	904.7	894.1
37.5°	823.2	839.8	849.2	857.5	870.5	883.5	877.6	871.7	858.7	845.7	826.8
40°	765.4	772.5	790.2	806.7	828.0	848.0	836.2	823.2	803.2	783.1	773.6
42.5°	716.9	715.8	732.3	748.8	780.7	811.4	790.2	768.9	750.0	731.1	728.8
45°	674.4	670.9	679.1	687.4	721.7	754.7	733.5	711.0	700.4	689.8	689.8
47.5°	636.6	634.3	640.2	644.9	666.2	686.2	675.6	665.0	659.1	653.2	654.3
50°	602.4	600.0	605.9	610.6	618.9	626.0	628.4	629.5	626.0	622.5	624.8
52.5°	570.5	570.5	572.8	574.0	584.7	595.3	595.3	594.1	594.1	594.1	596.5
55°	543.3	545.7	545.7	545.7	562.2	577.6	572.8	568.1	569.3	569.3	571.7
57.5°	516.2	519.7	522.1	524.4	541.0	557.5	552.8	548.0	548.0	548.0	549.2
60°	485.4	490.2	494.9	499.6	516.2	532.7	528.0	522.1	523.2	524.4	525.6
62.5°	455.9	460.6	465.4	470.1	486.6	503.2	498.4	492.5	496.1	498.4	498.4
65°	427.6	431.1	435.8	440.6	455.9	471.3	466.5	461.8	466.5	470.1	472.5
67.5°	395.7	398.0	402.8	407.5	422.8	438.2	433.5	427.6	433.5	438.2	442.9
70°	359.1	361.4	367.3	372.1	387.4	402.8	396.9	391.0	396.9	402.8	407.5
72.5°	318.9	321.3	327.2	331.9	349.6	367.3	360.2	353.2	360.2	367.3	369.7
75°	275.2	277.6	284.7	290.6	308.3	326.0	320.1	313.0	318.9	324.8	326.0
77.5°	228.0	231.5	240.9	250.4	264.6	278.7	275.2	271.7	275.2	278.7	278.7
80°	178.3	181.9	193.7	204.3	212.6	220.9	222.1	223.2	224.4	225.6	224.4
82.5°	132.3	137.0	147.6	158.3	158.3	158.3	167.7	176.0	176.0	174.8	173.6
85°	81.5	87.4	96.9	106.3	100.4	94.5	109.8	124.0	124.0	122.8	120.5
87.5°	16.5	22.4	31.9	40.2	34.3	28.3	43.7	59.1	60.2	60.2	57.9
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: P320810
 CATALOG NUMBER: GLEON-SA6C-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: P320810
 CATALOG NUMBER: GLEON-SA6C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2
2.5°	7548.6	7640.7	7731.6	7755.3	7790.7	7806.1	7820.2	7936.0	8050.6	8185.2	8319.8
5°	6046.2	6114.7	6183.2	6193.8	6230.4	6249.3	6268.2	6408.8	6548.2	6736.0	6923.8
7.5°	4556.8	4573.3	4589.9	4587.5	4618.2	4659.5	4699.7	4849.7	4998.5	5200.5	5401.3
10°	3451.2	3489.0	3525.7	3559.9	3627.2	3705.2	3782.0	3935.5	4089.1	4288.7	4487.1
12.5°	2734.3	2778.0	2820.5	2858.3	2936.3	3040.2	3143.0	3327.2	3511.5	3750.1	3987.5
15°	2232.3	2228.8	2225.2	2251.2	2319.7	2433.1	2545.3	2740.2	2935.1	3197.3	3458.3
17.5°	1761.1	1743.3	1725.6	1745.7	1809.5	1902.8	1994.9	2160.3	2324.5	2578.4	2832.3
20°	1424.4	1412.6	1400.8	1419.7	1459.9	1498.8	1537.8	1657.1	1775.2	1981.9	2187.4
22.5°	1253.2	1252.0	1249.6	1260.3	1279.2	1299.2	1318.1	1376.0	1432.7	1566.2	1698.5
25°	1152.8	1151.6	1150.4	1155.1	1170.5	1185.8	1201.2	1239.0	1276.8	1340.6	1404.4
27.5°	1072.5	1070.1	1067.7	1068.9	1072.5	1096.1	1118.5	1136.2	1152.8	1196.5	1239.0
30°	1007.5	1006.3	1005.1	1005.1	1001.6	1009.9	1018.1	1045.3	1071.3	1116.2	1161.0
32.5°	952.0	946.1	940.2	927.2	918.9	930.7	942.5	970.9	999.2	1040.6	1081.9
35°	882.3	866.9	850.4	843.3	844.5	856.3	868.1	896.5	923.6	968.5	1012.2
37.5°	806.7	802.0	796.1	794.9	798.4	810.3	822.1	846.9	870.5	915.4	959.1
40°	764.2	761.8	759.5	757.1	759.5	771.3	783.1	806.7	829.1	872.9	915.4
42.5°	726.4	725.2	724.0	724.0	725.2	738.2	751.2	774.8	797.3	836.2	875.2
45°	689.8	691.0	691.0	693.3	696.9	709.9	721.7	747.7	773.6	811.4	849.2
47.5°	655.5	659.1	661.4	667.3	670.9	685.1	698.0	726.4	754.7	802.0	848.0
50°	626.0	629.5	631.9	636.6	646.1	662.6	679.1	713.4	746.5	825.6	903.6
52.5°	598.8	602.4	605.9	610.6	622.5	641.4	660.2	702.8	744.1	836.2	928.4
55°	574.0	577.6	579.9	587.0	598.8	615.4	630.7	682.7	734.7	802.0	869.3
57.5°	550.4	553.9	556.3	561.0	566.9	584.7	601.2	656.7	712.2	759.5	805.5
60°	525.6	528.0	529.1	529.1	533.9	553.9	574.0	644.9	714.6	706.3	696.9
62.5°	498.4	500.8	502.0	498.4	504.3	525.6	546.9	639.0	731.1	674.4	617.7
65°	473.6	472.5	471.3	467.7	474.8	496.1	516.2	562.2	608.3	585.8	563.4
67.5°	446.5	442.9	439.4	434.7	441.7	460.6	478.4	493.7	509.1	511.4	513.8
70°	412.2	407.5	402.8	401.6	405.1	420.5	435.8	446.5	455.9	460.6	464.2
72.5°	372.1	368.5	365.0	362.6	363.8	376.8	388.6	398.0	407.5	411.0	413.4
75°	327.2	327.2	326.0	318.9	318.9	329.5	339.0	347.3	355.5	360.2	365.0
77.5°	278.7	279.9	279.9	270.5	269.3	279.9	289.4	296.5	302.4	307.1	310.6
80°	223.2	220.9	218.5	212.6	210.2	223.2	235.0	240.9	245.7	246.9	246.9
82.5°	171.3	166.5	160.6	147.6	148.8	163.0	176.0	180.7	185.4	185.4	185.4
85°	116.9	107.5	96.9	86.2	87.4	102.8	116.9	121.7	126.4	128.7	129.9
87.5°	55.5	46.1	35.4	27.2	27.2	40.2	52.0	54.3	56.7	61.4	66.1
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: P320810
 CATALOG NUMBER: GLEON-SA6C-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



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CATALOG NUMBER: GLEON-SA6C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2
2.5°	8422.6	8524.2	8629.3	8734.4	8854.9	8975.4	9115.9	9255.3	9374.6	9493.9	9593.1
5°	7085.6	7247.4	7437.5	7627.7	7869.8	8112.0	8408.4	8703.7	8967.1	9230.5	9536.4
7.5°	5612.7	5822.9	6071.0	6319.0	6632.0	6945.0	7328.9	7712.7	8084.8	8455.7	8925.8
10°	4708.0	4928.8	5173.3	5416.6	5735.5	6053.3	6459.6	6864.7	7282.8	7699.8	8231.3
12.5°	4233.2	4477.6	4692.6	4907.6	5166.2	5423.7	5817.0	6210.4	6701.7	7191.9	7703.3
15°	3726.5	3993.4	4250.9	4508.4	4790.6	5071.8	5454.4	5837.1	6374.5	6911.9	7500.1
17.5°	3113.4	3394.6	3708.7	4021.7	4390.2	4757.6	5247.7	5737.9	6374.5	7010.0	7703.3
20°	2474.5	2761.5	3137.1	3512.7	3970.9	4428.0	5063.5	5698.9	6556.4	7412.7	8297.4
22.5°	1952.4	2205.2	2615.0	3023.7	3552.8	4082.0	4896.9	5710.7	6831.6	7951.3	9145.5
25°	1582.7	1761.1	2163.8	2565.4	3176.0	3786.7	4795.4	5802.9	7232.0	8660.0	10141.1
27.5°	1355.9	1472.9	1848.5	2222.9	2890.2	3556.4	4754.0	5950.5	7739.9	9529.3	11224.2
30°	1242.5	1324.0	1641.8	1958.3	2636.3	3314.2	4704.4	6094.6	8228.9	10362.0	12071.1
32.5°	1148.1	1213.0	1484.7	1755.2	2416.6	3078.0	4608.8	6138.3	8570.2	11002.2	12788.0
35°	1067.7	1122.1	1358.3	1594.5	2244.1	2893.8	4448.1	6002.5	8784.0	11565.6	13534.5
37.5°	1002.8	1045.3	1263.8	1482.3	2095.3	2708.3	4265.0	5821.8	8974.2	12126.6	14374.3
40°	952.0	988.6	1192.9	1397.3	1953.6	2509.9	4108.0	5704.8	9236.4	12768.0	15261.3
42.5°	923.6	970.9	1131.5	1291.0	1818.9	2346.9	3981.6	5616.3	9479.7	13342.0	16037.3
45°	916.6	983.9	1099.6	1215.4	1718.5	2221.7	3869.4	5515.9	9636.8	13757.7	16622.0
47.5°	904.7	960.3	1074.8	1189.4	1668.9	2147.3	3809.1	5469.8	9793.9	14116.8	17107.4
50°	911.8	918.9	1054.7	1189.4	1661.8	2134.3	3877.6	5621.0	10134.1	14646.0	17662.5
52.5°	898.8	868.1	1016.9	1165.8	1660.7	2155.6	4074.9	5994.2	10766.0	15536.5	18263.7
55°	830.3	790.2	946.1	1102.0	1635.9	2168.5	4309.9	6450.1	11614.0	16776.7	19344.5
57.5°	770.1	733.5	865.8	996.9	1560.3	2123.7	4552.1	6979.3	12510.5	18040.5	20562.2
60°	689.8	681.5	776.0	870.5	1443.3	2015.0	4751.7	7487.2	13112.9	18737.4	21031.1
62.5°	623.6	628.4	698.0	767.7	1296.9	1824.8	4817.8	7809.6	13096.3	18383.0	20558.7
65°	572.8	581.1	649.6	718.1	1171.7	1625.2	4600.5	7574.6	12433.7	17291.7	19624.4
67.5°	523.2	532.7	614.2	694.5	1060.7	1425.6	4057.2	6687.5	11242.0	15795.2	18436.2
70°	476.0	487.8	576.4	665.0	980.3	1294.5	3356.8	5419.0	9750.2	14080.2	17060.2
72.5°	425.2	437.0	531.5	626.0	929.5	1231.9	2736.7	4240.2	7912.4	11583.3	14592.8
75°	373.2	381.5	484.3	585.8	859.9	1133.9	2147.3	3159.5	6055.6	8951.7	11022.3
77.5°	321.3	331.9	418.1	503.2	729.9	955.5	1618.1	2280.8	4443.4	6604.9	7665.5
80°	256.3	265.8	327.2	387.4	563.4	738.2	1112.6	1487.0	3057.9	4628.8	5226.5
82.5°	196.1	206.7	248.0	288.2	401.6	515.0	674.4	833.9	2031.5	3228.0	3277.6
85°	134.6	138.2	167.7	196.1	248.0	300.0	386.2	472.5	1344.1	2215.8	1846.1
87.5°	67.3	67.3	87.4	107.5	133.5	159.5	204.3	248.0	429.9	611.8	352.0
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: P320810
 CATALOG NUMBER: GLEON-SA6C-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



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CATALOG NUMBER: GLEON-SA6C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2
2.5°	9719.5	9805.7	9893.1	9959.2	10026.6	10123.4	10220.3	10238.0	10256.9	10219.1	10181.3
5°	9844.7	10105.7	10367.9	10610.0	10852.2	10997.5	11142.7	11172.3	11201.8	11110.8	11018.7
7.5°	9380.5	9835.2	10290.0	10706.9	11123.8	11376.6	11630.5	11687.2	11745.1	11596.3	11447.5
10°	8760.4	9319.1	9877.8	10427.0	10976.2	11343.5	11710.9	11784.1	11857.3	11671.9	11486.4
12.5°	8280.9	8877.3	9473.8	10052.6	10632.5	11012.8	11393.1	11484.1	11575.0	11440.4	11304.6
15°	8133.2	8694.3	9255.3	9759.6	10265.2	10575.8	10887.6	10924.2	10962.0	10940.8	10919.5
17.5°	8401.3	8908.0	9415.9	9690.0	9965.2	10089.2	10214.4	10254.5	10295.9	10349.0	10403.4
20°	9051.0	9407.7	9765.5	9753.7	9740.7	9680.5	9619.1	9608.5	9597.8	9750.2	9903.7
22.5°	10020.7	10162.4	10305.3	9973.4	9641.5	9439.6	9236.4	9196.2	9154.9	9316.7	9479.7
25°	11073.0	11047.1	11019.9	10388.0	9754.9	9369.9	8984.8	8939.9	8895.1	9033.2	9172.6
27.5°	12114.8	11944.7	11774.6	10916.0	10057.3	9498.6	8939.9	8895.1	8850.2	8973.0	9095.8
30°	12879.0	12606.2	12333.3	11361.2	10389.2	9725.4	9061.6	8988.4	8914.0	9065.1	9216.3
32.5°	13475.5	13109.3	12743.2	11722.7	10702.2	9984.1	9265.9	9151.4	9036.8	9238.8	9440.7
35°	14070.7	13555.8	13039.6	12045.1	11049.4	10290.0	9529.3	9388.8	9248.2	9525.8	9803.3
37.5°	14819.6	14080.2	13339.6	12407.7	11475.8	10748.2	10019.5	9875.4	9731.3	10084.4	10438.8
40°	15632.2	14646.0	13659.7	12804.6	11949.4	11382.5	10814.4	10677.4	10539.2	10969.1	11399.0
42.5°	16307.8	15172.7	14037.7	13282.9	12527.0	12127.8	11727.4	11726.2	11723.8	12159.7	12595.5
45°	16857.0	15612.1	14366.0	13749.5	13131.8	12923.9	12716.0	12882.5	13049.1	13442.4	13836.9
47.5°	17266.9	15980.6	14693.2	14283.3	13873.5	13904.2	13934.9	14273.9	14612.9	14865.6	15119.6
50°	17533.8	16314.9	15094.8	14968.4	14842.0	15117.2	15393.6	15782.2	16172.0	16344.4	16516.9
52.5°	17922.4	16768.4	15613.3	15755.0	15896.8	16459.0	17021.2	17414.5	17807.8	17871.6	17936.6
55°	18821.2	17602.3	16382.2	16653.9	16926.7	17751.1	18576.7	18883.8	19190.9	19214.5	19238.2
57.5°	20098.0	18770.4	17442.9	17735.8	18028.7	18980.7	19933.9	20264.6	20596.5	20550.4	20503.2
60°	21053.6	19879.5	18704.3	18999.6	19294.9	20223.2	21151.6	21531.9	21913.4	21811.8	21710.3
62.5°	21112.6	20485.4	19857.1	20124.0	20392.1	21301.6	22211.1	22602.0	22993.0	22815.8	22638.6
65°	20173.6	20454.7	20735.8	20824.4	20913.0	21761.1	22610.3	22909.1	23209.1	23119.3	23029.6
67.5°	18880.3	19916.1	20953.2	20774.8	20596.5	20994.5	21392.5	21700.8	22009.1	21958.3	21906.3
70°	17589.3	18972.4	20355.5	19479.1	18601.5	18437.4	18273.2	18605.1	18938.2	18732.6	18526.0
72.5°	15391.2	16865.3	18340.5	16725.9	15111.3	14550.3	13989.2	14410.9	14832.6	14505.4	14177.0
75°	12081.7	13710.5	15340.5	13414.0	11487.6	10738.8	9990.0	10352.6	10715.2	10490.8	10265.2
77.5°	8994.3	10599.4	12204.6	10246.3	8286.8	7730.5	7173.0	7280.5	7389.1	7351.3	7312.3
80°	6100.5	7219.0	8338.7	7034.8	5730.8	5773.3	5817.0	5766.3	5714.3	5789.9	5865.5
82.5°	3893.0	4756.4	5621.0	4928.8	4236.7	4633.6	5030.4	4835.5	4639.5	4711.5	4784.7
85°	2221.7	3066.2	3911.9	3646.1	3379.2	3610.7	3843.4	3541.0	3238.6	3370.9	3504.4
87.5°	585.8	1696.1	2807.5	2548.9	2290.2	1990.2	1690.2	1289.8	889.4	1299.2	1709.1
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: P320810
 CATALOG NUMBER: GLEON-SA6C-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: P320810

CATALOG NUMBER: GLEON-SA6C-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2	9000.2
2.5°	10161.2	10141.1	10069.1	9995.9	9887.2	9797.4	9641.5
5°	10891.2	10763.6	10543.9	10323.0	10077.4	9795.1	9482.1
7.5°	11149.8	10851.0	10429.3	10006.5	9626.2	9179.7	8763.9
10°	11040.0	10592.3	10044.3	9495.1	9033.2	8519.5	8057.6
12.5°	10829.7	10353.7	9750.2	9145.5	8619.9	8068.3	7550.9
15°	10540.4	10160.0	9594.3	9028.5	8499.4	7963.1	7350.1
17.5°	10223.8	10043.1	9634.4	9224.6	8766.3	8246.6	7527.3
20°	9968.7	10034.8	9871.8	9708.9	9341.5	8888.0	8080.1
22.5°	9796.3	10114.0	10239.2	10365.6	10144.7	9790.3	8856.1
25°	9699.4	10226.2	10645.5	11066.0	10967.9	10695.1	9798.6
27.5°	9741.9	10388.0	11038.8	11690.8	11781.7	11706.1	10791.9
30°	9869.5	10523.8	11316.4	12110.1	12472.7	12574.3	11619.9
32.5°	10082.1	10723.4	11586.8	12451.4	12999.5	13323.1	12377.0
35°	10403.4	11003.4	11903.4	12803.4	13512.1	14102.6	13158.9
37.5°	10954.9	11471.1	12301.4	13132.9	14051.8	14938.9	14020.0
40°	11762.8	12127.8	12829.4	13532.2	14688.5	15886.1	14980.2
42.5°	12782.1	12969.9	13526.2	14082.6	15353.4	16746.0	15919.2
45°	13886.5	13936.1	14285.7	14636.5	15880.2	17331.8	16624.3
47.5°	14949.5	14779.4	14918.8	15058.2	16284.2	17750.0	17159.4
50°	16043.2	15569.6	15496.4	15423.1	16688.1	18242.5	17839.7
52.5°	17155.8	16375.1	16085.7	15795.2	17170.0	18895.6	18686.6
55°	18244.8	17251.5	16861.7	16472.0	17907.0	19692.9	19930.3
57.5°	19377.5	18251.9	17890.5	17529.1	18990.1	20702.8	21046.5
60°	20596.5	19481.5	19192.1	18901.5	20336.6	21794.1	21543.7
62.5°	21752.8	20866.9	20714.6	20561.0	21698.5	22632.7	21350.0
65°	22525.2	22019.7	22161.5	22304.4	22728.4	22841.8	20783.1
67.5°	22009.1	22111.8	22710.7	23310.7	23019.0	22220.5	19665.7
70°	19141.3	19757.9	21176.4	22596.1	21948.9	20556.3	17660.2
72.5°	14869.2	15562.5	17668.5	19775.6	19179.1	17473.6	14505.4
75°	11047.1	11830.2	14154.6	16479.1	15651.1	13070.3	10385.6
77.5°	7836.8	8361.2	10656.1	12952.2	11602.2	8700.2	6988.7
80°	5704.8	5544.2	6823.4	8102.5	7878.1	5754.4	4488.3
82.5°	4392.6	4000.5	4602.8	5205.2	5172.1	3993.4	3293.0
85°	3347.3	3190.2	3722.9	4255.6	3799.7	2704.8	2093.0
87.5°	1951.2	2194.5	2821.7	3450.1	2589.0	820.9	406.3
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: P320810
 CATALOG NUMBER: GLEON-SA6C-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.

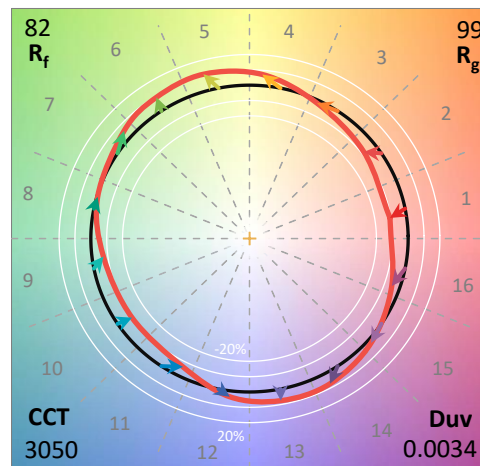
Test Information

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

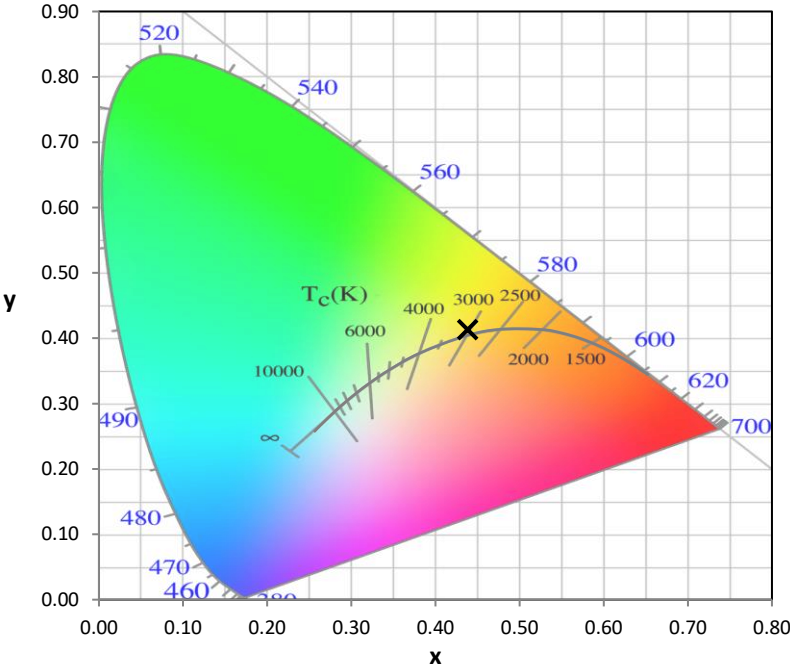
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

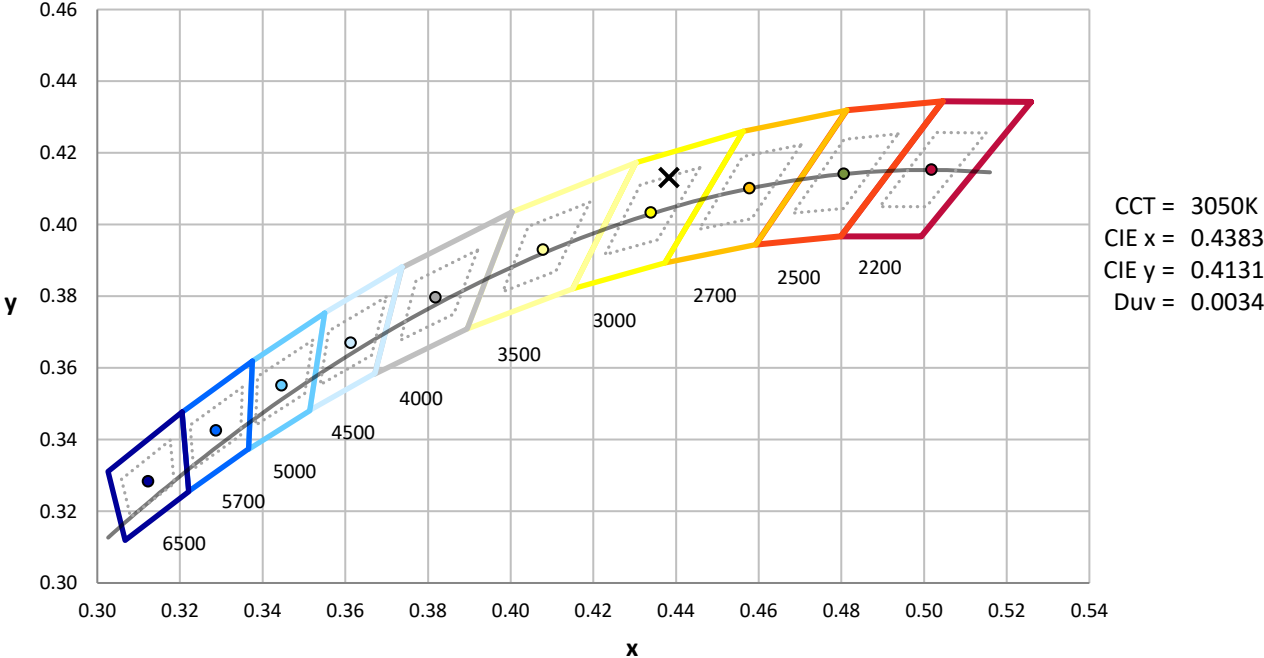
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



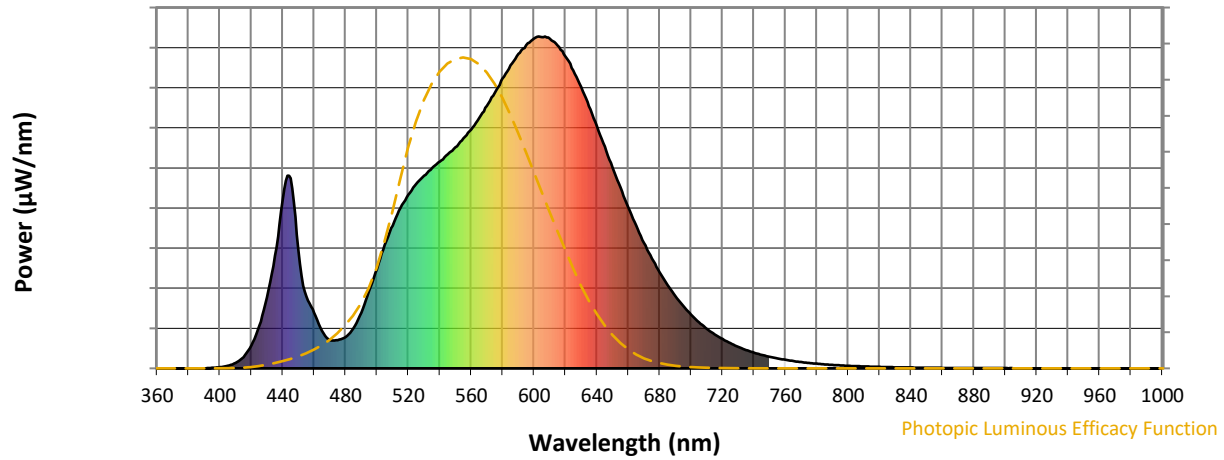
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

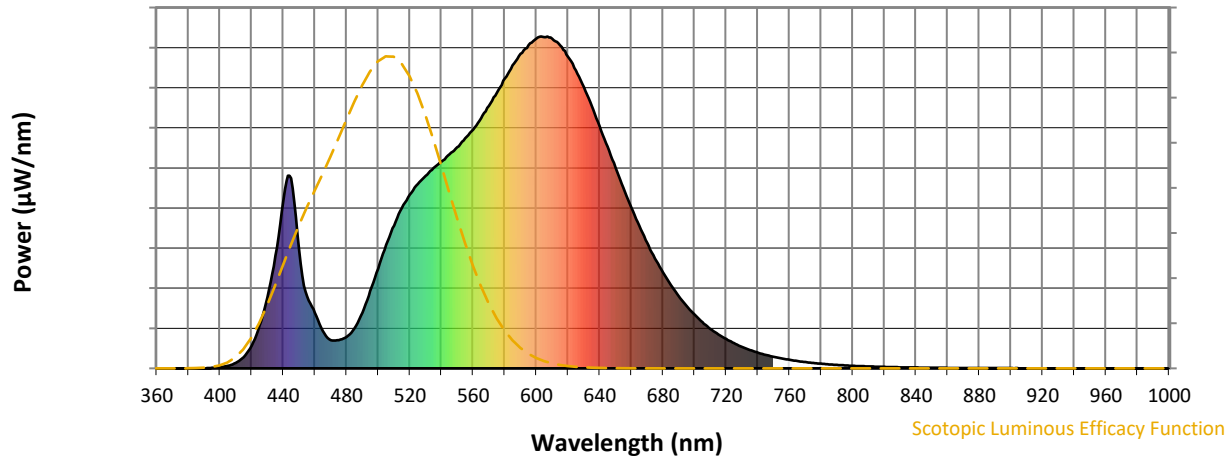


Photopic Lumens: NR

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



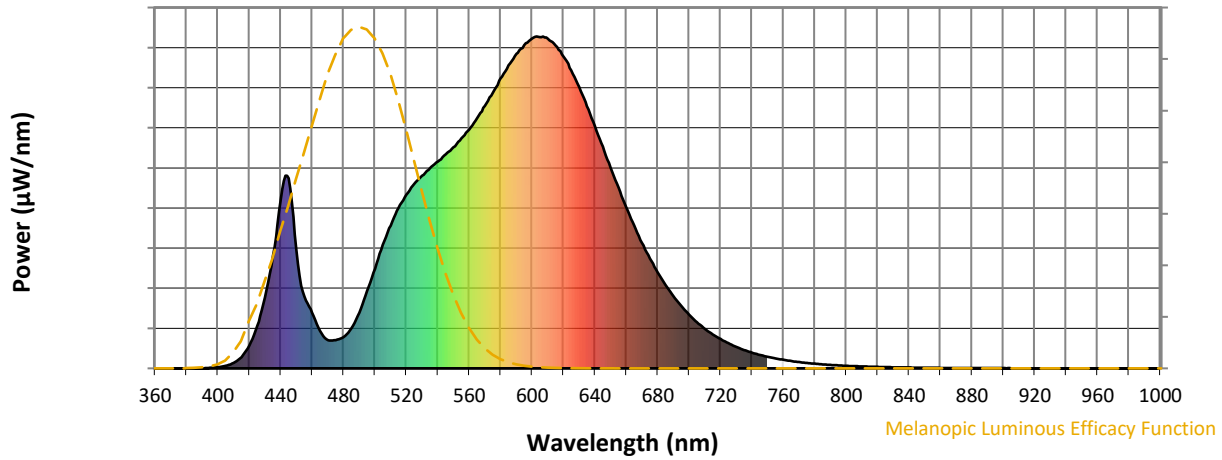
Scotopic Lumens: NR

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



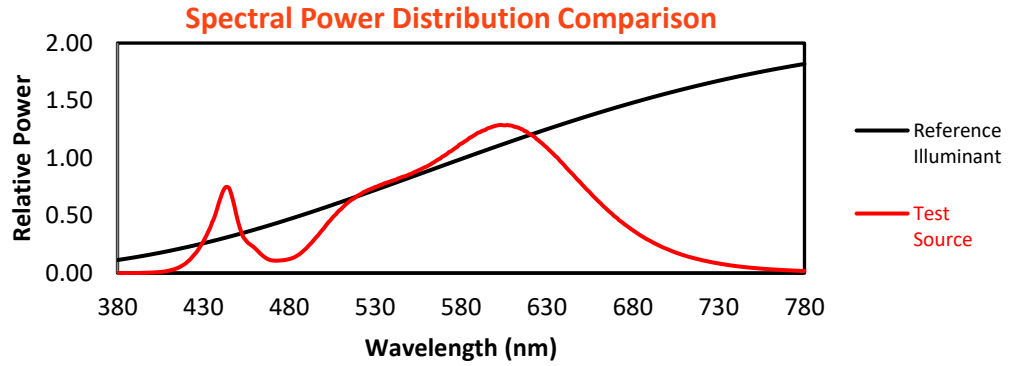
Melanopic Lumens: NR

M/P: 2.32

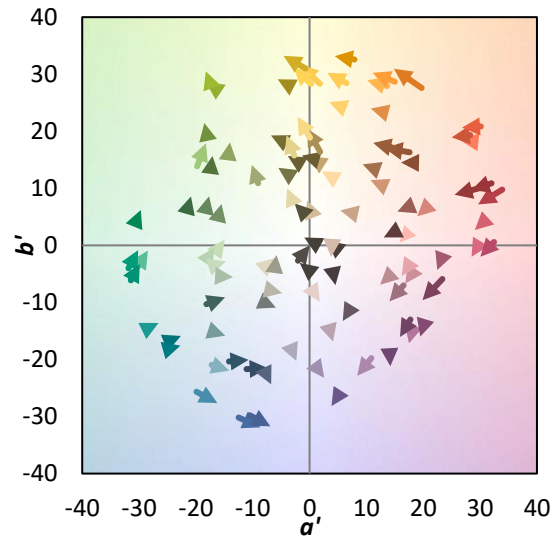
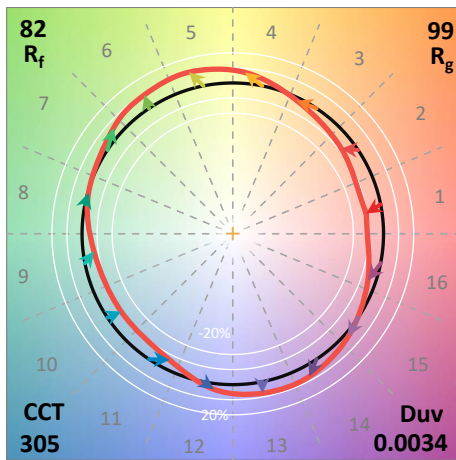
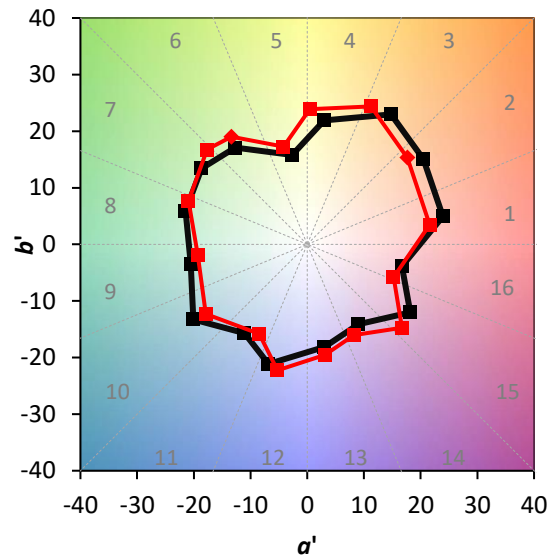
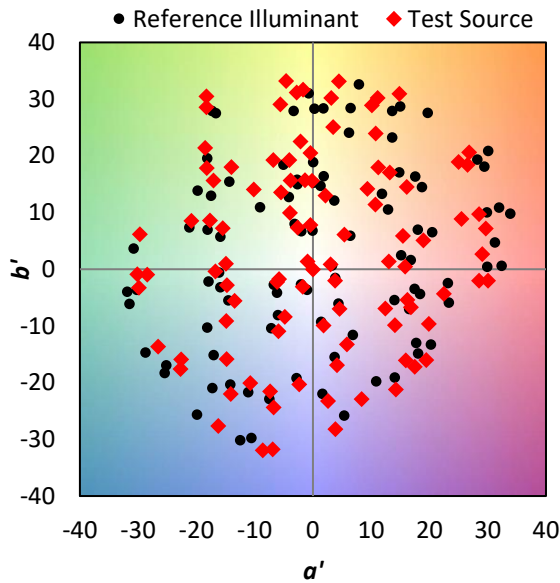
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300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

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

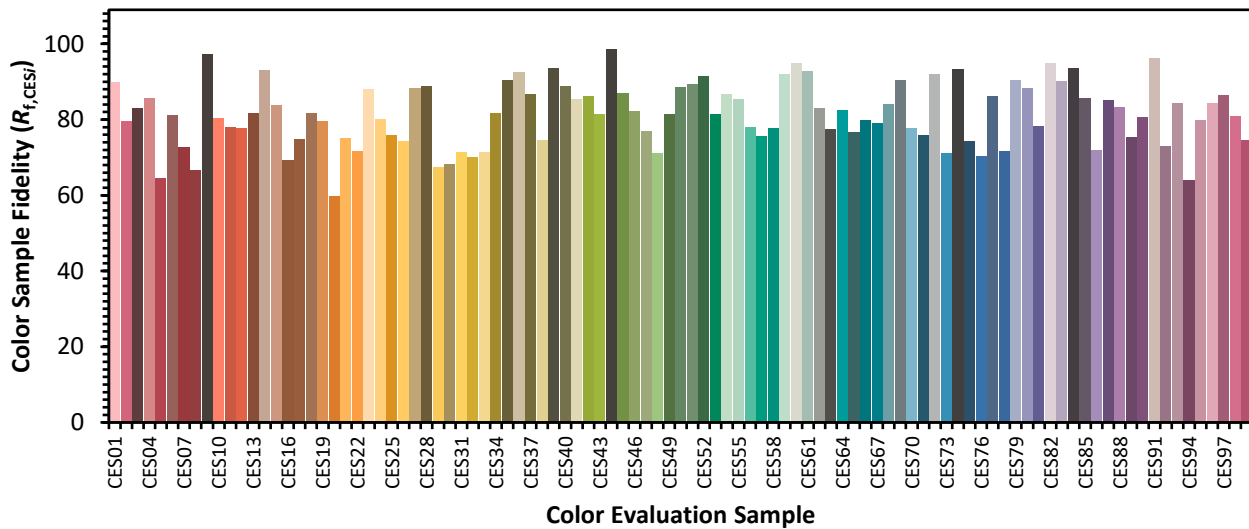


Color Vector Graphics

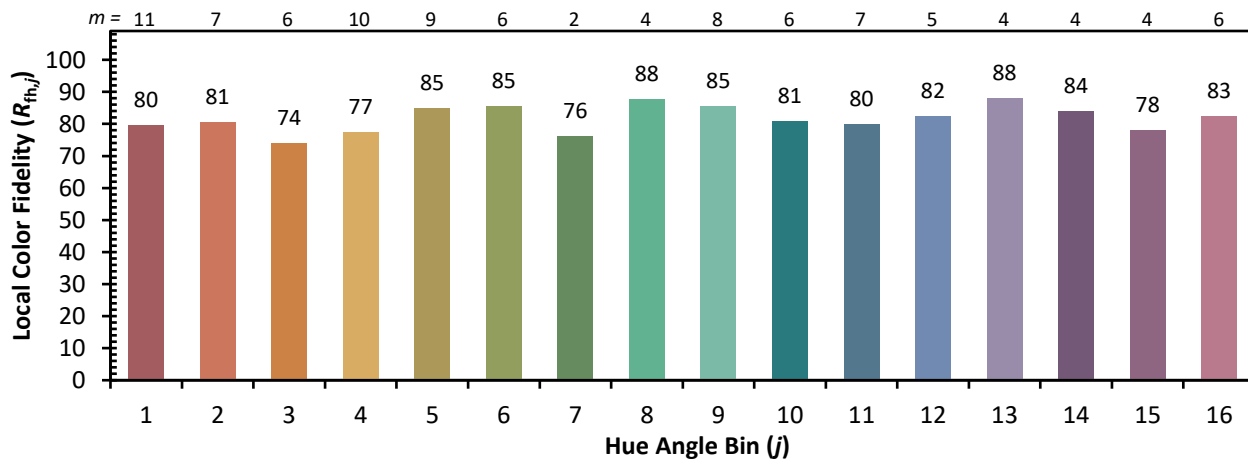
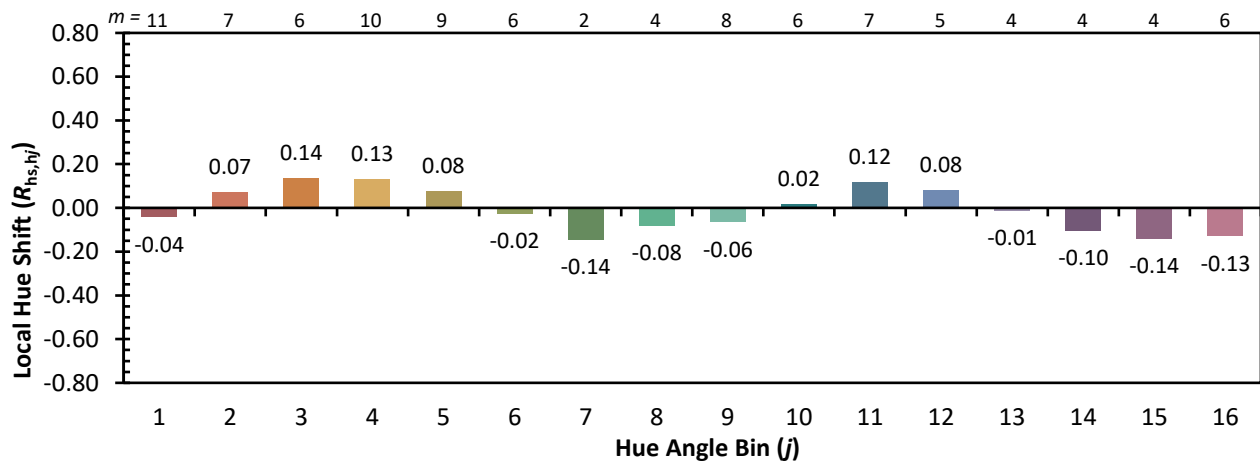
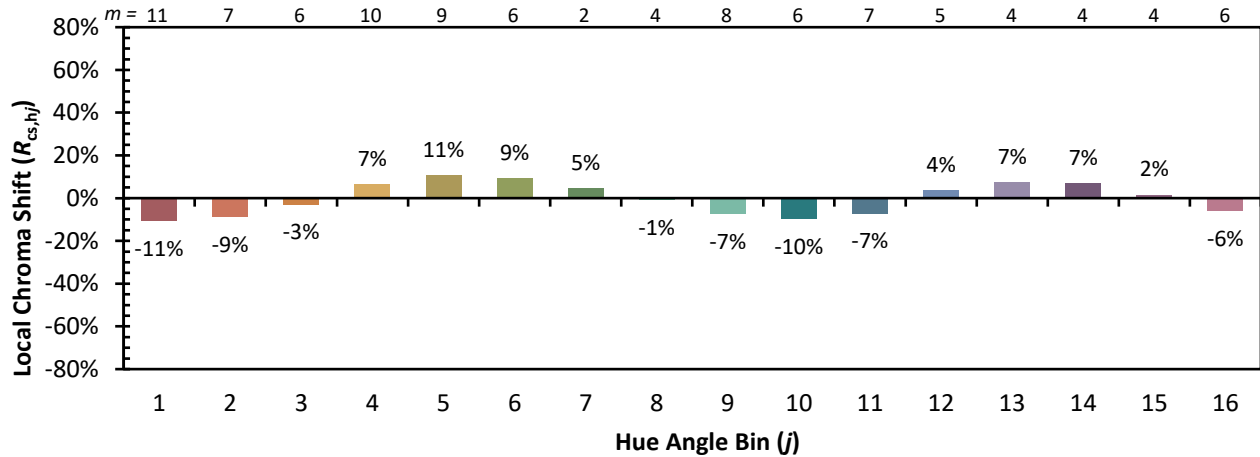


Individual Sample Fidelity Index ($R_{f,i}$)

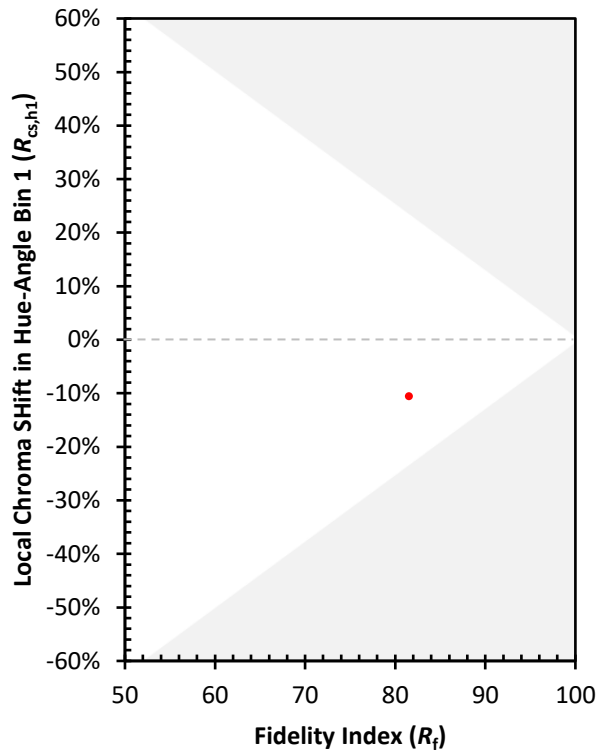
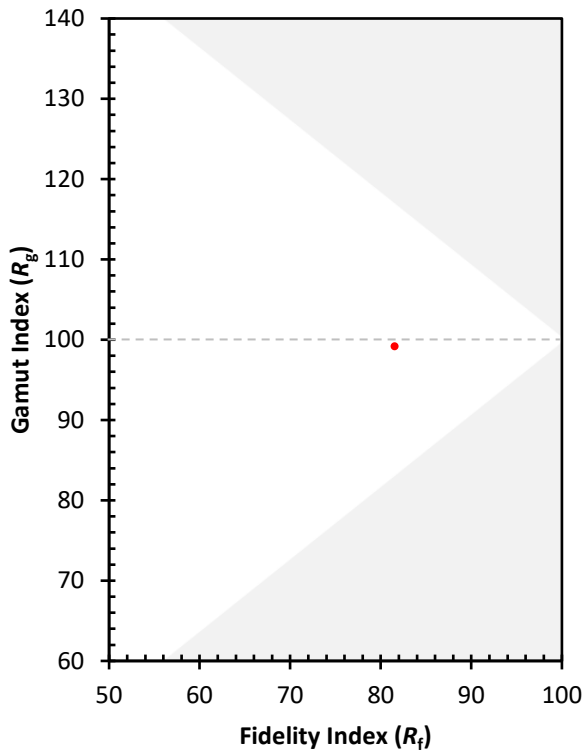
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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