

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: P320790

Luminaire Tested: **GLEON-SA6A-830-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320790  
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-SA6A-830-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3000K, 615mA 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: 19464 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G4

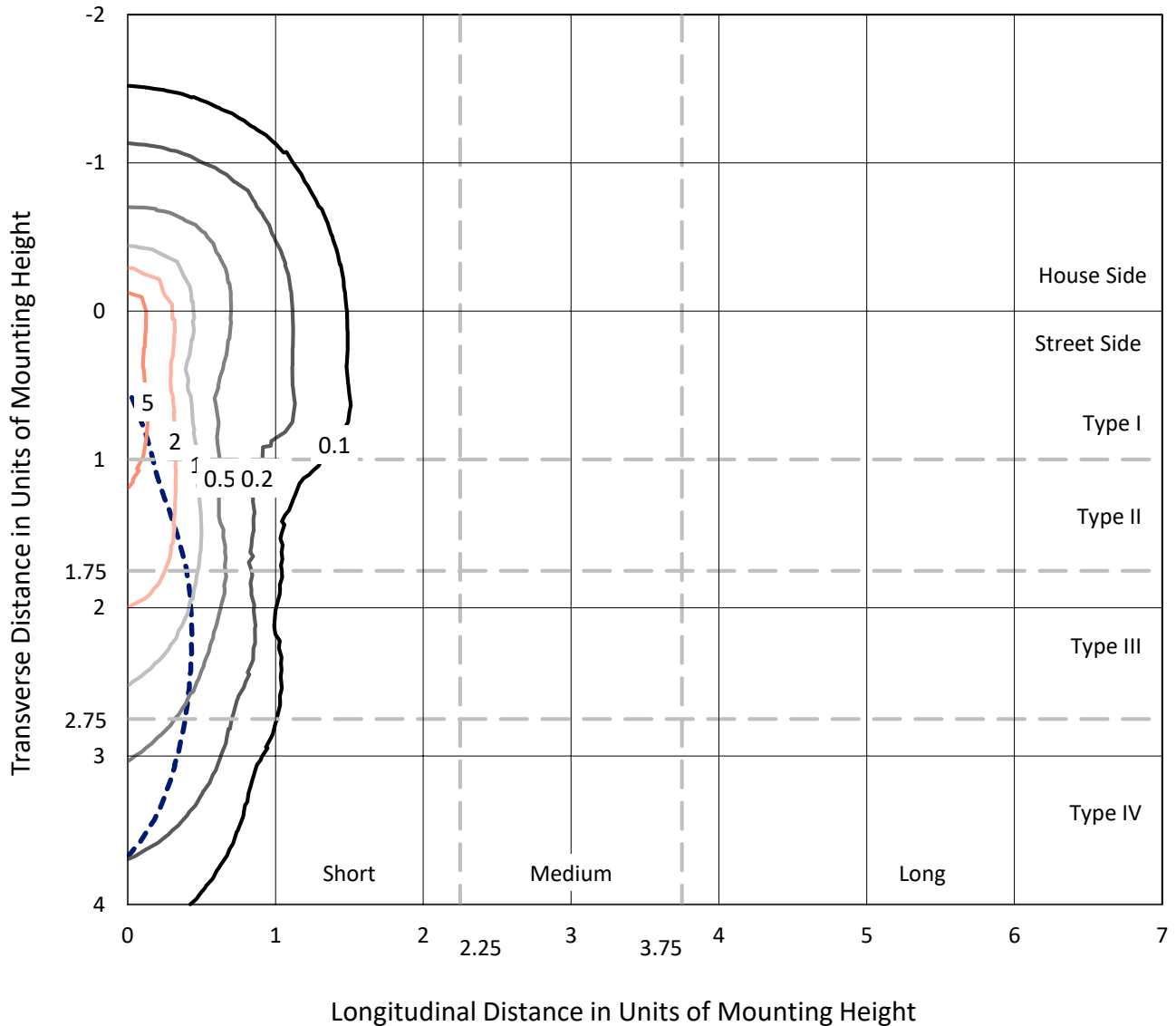
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

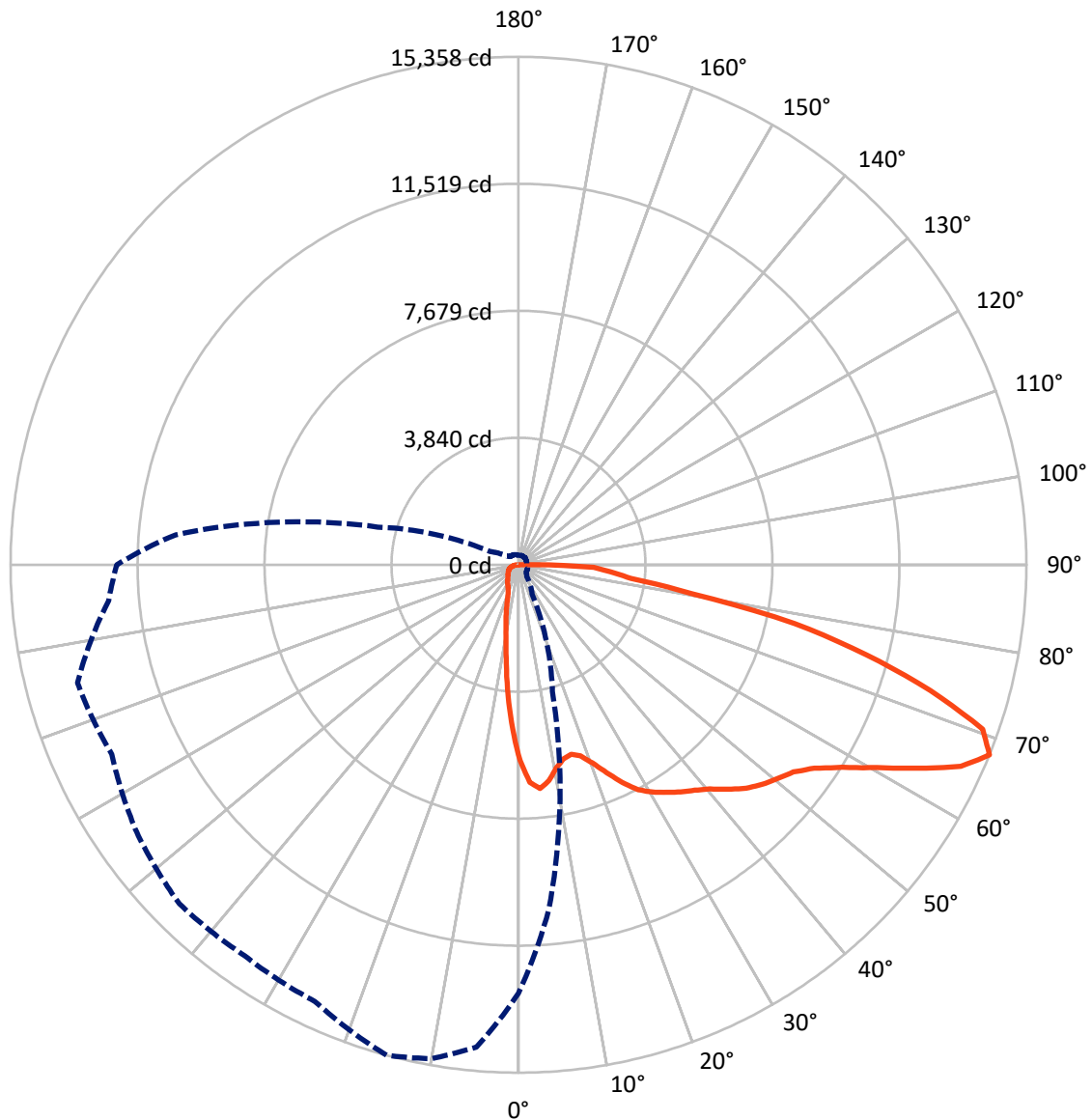
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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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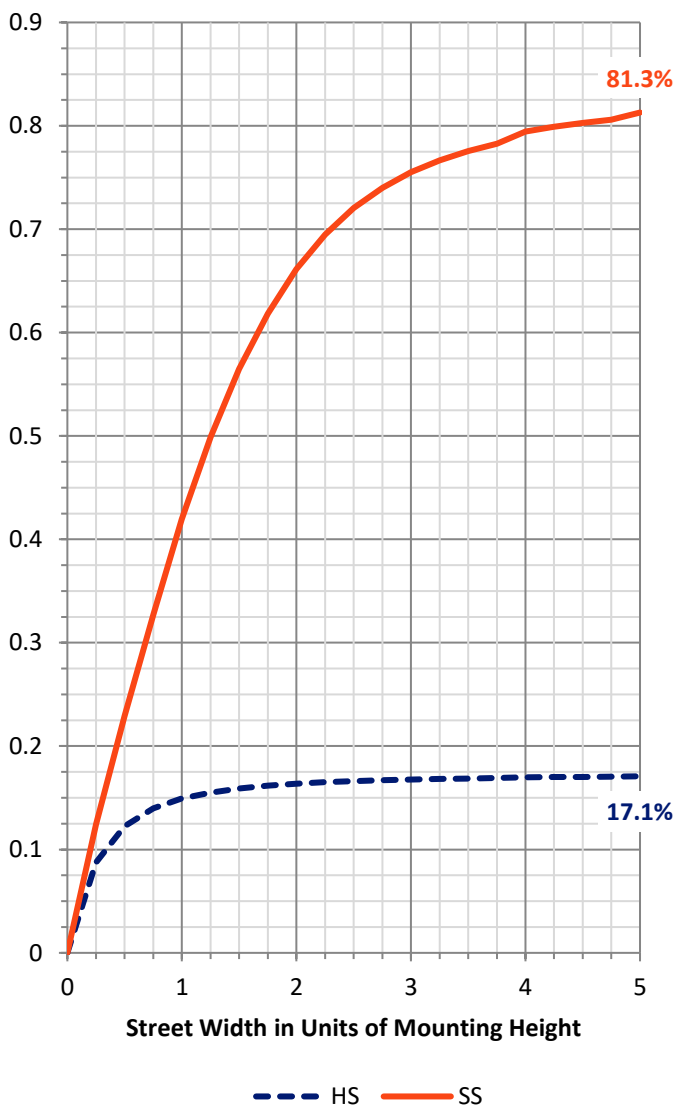
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3364.9	0.0	3364.9
	% Fixture	17.3	0.0	17.3
<b>Street Side</b>	Lumens	16099.1	0.0	16099.1
	% Fixture	82.7	0.0	82.7
<b>Total</b>	Lumens	19464.0	0.0	19464.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.6	2.4
10°-20°	950.7	4.9
20°-30°	1352.1	6.9
30°-40°	1948.4	10.0
40°-50°	2745.9	14.1
50°-60°	3817.2	19.6
60°-70°	4616.2	23.7
70°-80°	2837.5	14.6
80°-90°	738.3	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°	19464.0	100.0
0°-180°	19464.0	100.0

**Coefficient of Utilization**

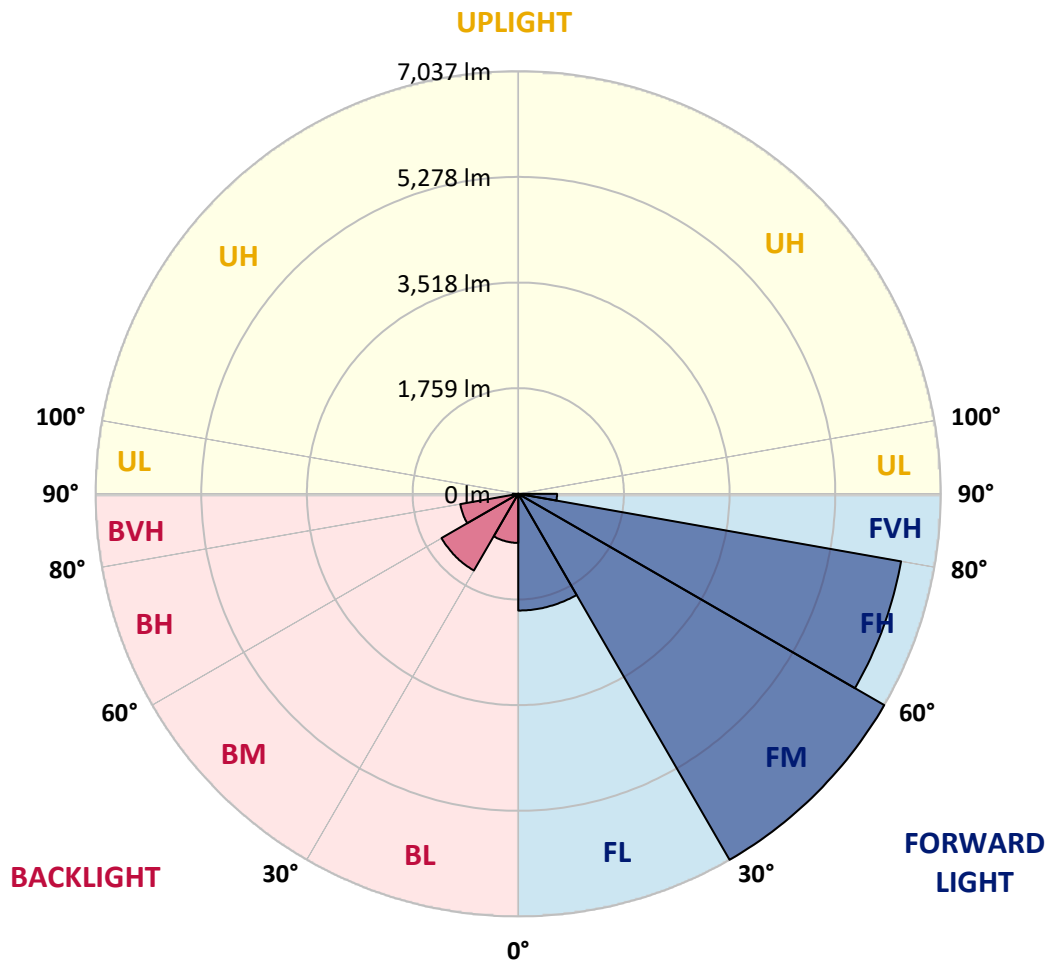


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1943.5	10.0			
FM	(30°-60°)	7036.7	36.2			
FH	(60°-80°)	6473.1	33.3			G3/7500
FVH	(80°-90°)	645.8	3.3			G4/750
BL	(0°-30°)	817.0	4.2	B2/1000		
BM	(30°-60°)	1474.8	7.6	B2/2500		
BH	(60°-80°)	980.6	5.0	B2/1000		G2/1000
BVH	(80°-90°)	92.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8
2.5°	6352.4	6296.4	6211.5	6126.7	6063.7	5999.9	5927.5	5855.1	5772.6	5689.4	5640.4
5°	6247.3	6091.7	5889.4	5687.0	5553.2	5419.3	5267.6	5115.9	4965.7	4815.5	4734.5
7.5°	5774.2	5540.7	5277.7	5014.7	4820.1	4624.8	4414.7	4203.8	4017.0	3829.5	3713.5
10°	5308.8	5028.7	4726.8	4424.0	4175.0	3926.0	3715.1	3503.4	3362.6	3221.7	3115.1
12.5°	4975.0	4664.5	4332.2	3999.1	3750.1	3501.1	3367.2	3233.4	3116.7	2999.9	2877.0
15°	4842.7	4491.7	4151.7	3810.8	3584.4	3357.9	3209.3	3059.9	2903.4	2746.2	2595.3
17.5°	4959.4	4548.5	4178.9	3809.3	3512.8	3216.3	3008.5	2799.9	2593.7	2387.5	2212.4
20°	5323.6	4799.1	4315.9	3831.8	3437.3	3042.7	2764.1	2484.8	2220.2	1955.6	1757.2
22.5°	5834.9	5140.8	4509.6	3878.5	3368.8	2858.3	2508.9	2158.7	1845.9	1533.0	1338.5
25°	6455.9	5593.7	4789.0	3983.6	3340.8	2697.2	2267.7	1838.1	1508.1	1177.4	1038.9
27.5°	7110.4	6133.7	5136.1	4137.7	3345.5	2553.3	2064.6	1575.1	1277.8	980.5	885.6
30°	7655.9	6750.8	5540.7	4329.9	3363.4	2396.8	1873.1	1349.4	1104.3	859.1	797.6
32.5°	8154.7	7181.2	5845.8	4509.6	3383.6	2256.8	1725.3	1193.0	993.0	792.2	741.6
35°	8669.9	7563.3	6059.0	4554.0	3348.6	2142.4	1624.1	1105.8	921.4	736.2	693.4
37.5°	9237.2	7976.5	6264.5	4551.7	3289.4	2027.2	1545.5	1063.0	874.7	685.6	654.5
40°	9869.8	8433.3	6487.0	4540.8	3235.7	1929.9	1487.1	1043.6	849.0	653.7	627.2
42.5°	10488.5	8869.1	6694.0	4519.0	3192.2	1864.6	1429.5	994.5	825.7	656.0	618.7
45°	10953.1	9249.6	6873.8	4497.2	3159.5	1821.8	1384.4	947.1	803.9	660.7	613.2
47.5°	11305.6	9631.7	7073.0	4513.5	3156.4	1799.2	1352.5	905.8	762.6	618.7	599.2
50°	11753.9	10090.8	7363.3	4635.7	3199.2	1762.6	1315.1	866.9	722.9	579.0	605.4
52.5°	12311.8	10746.1	7813.1	4879.3	3288.7	1698.0	1256.0	814.0	674.7	534.6	575.9
55°	13131.3	11585.8	8388.2	5189.8	3396.8	1603.1	1166.5	729.2	610.9	491.8	528.4
57.5°	13866.6	12434.0	8939.9	5445.0	3464.5	1483.2	1053.7	624.1	539.3	454.5	475.5
60°	14194.3	12871.3	9198.3	5524.4	3424.1	1323.7	926.8	529.2	476.3	423.3	419.4
62.5°	14066.6	12593.5	8943.8	5294.1	3226.4	1158.7	814.8	470.8	431.1	390.7	382.1
65°	13693.1	11720.4	8231.0	4741.5	2892.5	1043.6	744.0	444.3	400.0	355.6	346.3
67.5°	12956.9	10477.6	7220.9	3964.1	2468.4	972.7	703.5	434.2	380.5	326.1	315.2
70°	11635.6	8981.9	6057.5	3132.2	2031.1	929.2	677.0	424.9	359.5	293.4	283.3
72.5°	9557.0	7201.4	4837.3	2472.3	1698.0	923.7	673.9	424.1	342.4	260.7	251.4
75°	6842.7	5469.9	3692.5	1914.4	1390.6	866.9	639.7	412.4	319.1	224.9	216.3
77.5°	4604.6	3785.9	2566.5	1346.3	1031.9	717.5	537.7	358.0	273.1	188.3	179.8
80°	2957.1	2620.2	1719.8	819.4	669.2	519.1	384.4	249.8	199.2	147.9	140.9
82.5°	2169.6	1950.2	1195.3	440.5	372.0	302.7	235.0	167.3	136.2	105.1	101.9
85°	1379.0	1520.6	880.1	239.7	196.1	152.5	126.1	99.6	78.6	57.6	57.6
87.5°	267.7	370.4	243.6	116.0	84.8	53.7	45.9	37.4	21.0	3.9	4.7
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



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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°	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8
2.5°	5590.5	5536.9	5483.2	5422.5	5361.0	5304.2	5246.6	5183.6	5195.2	5147.0	5098.7
5°	4653.6	4568.0	4481.6	4406.9	4332.2	4267.6	4202.3	4143.9	4194.5	4160.2	4126.0
7.5°	3596.8	3491.0	3384.4	3294.9	3205.4	3136.1	3066.1	3017.8	3067.6	3061.4	3055.2
10°	3008.5	2905.8	2802.3	2703.4	2604.6	2520.6	2435.7	2364.2	2351.7	2315.9	2279.3
12.5°	2753.3	2612.4	2470.8	2367.3	2263.8	2163.4	2063.0	1978.9	1940.8	1881.7	1821.8
15°	2444.3	2277.8	2111.2	1993.7	1875.4	1778.2	1680.1	1607.7	1583.6	1537.7	1491.8
17.5°	2037.3	1855.2	1673.1	1554.1	1434.2	1356.4	1277.8	1229.5	1229.5	1216.3	1203.1
20°	1558.7	1396.1	1233.4	1142.4	1051.3	1010.1	968.1	947.8	954.1	954.8	954.8
22.5°	1143.2	1043.6	943.9	907.4	870.0	855.2	840.5	831.9	835.0	835.8	836.6
25°	900.4	862.2	823.3	804.7	785.2	775.9	766.5	763.4	770.4	771.2	771.2
27.5°	790.6	767.3	743.2	731.5	719.1	715.2	711.3	705.8	712.8	712.8	712.0
30°	735.4	710.5	685.6	670.8	656.0	657.6	658.4	656.8	661.5	664.6	666.9
32.5°	690.3	666.1	642.0	627.2	611.7	609.3	607.0	605.4	615.6	621.0	626.4
35°	649.8	623.3	596.9	582.9	568.9	563.4	558.0	554.1	563.4	570.4	577.4
37.5°	622.6	595.3	567.3	554.1	540.1	533.1	526.1	521.4	525.3	528.4	531.5
40°	600.8	572.8	544.0	528.4	512.8	505.8	498.8	494.9	497.3	498.0	498.8
42.5°	580.5	553.3	526.1	508.9	491.0	482.5	473.9	469.3	470.8	472.4	473.1
45°	565.7	538.5	510.5	490.3	469.3	459.9	450.6	445.1	445.9	445.9	445.9
47.5°	579.8	540.1	499.6	476.3	452.1	441.2	430.3	424.9	423.3	421.8	420.2
50°	631.1	563.4	494.9	465.4	435.0	423.3	410.9	404.7	400.8	399.2	397.7
52.5°	616.3	558.0	498.8	460.7	421.8	407.8	393.8	383.6	379.8	377.4	375.1
55°	564.2	527.6	490.3	444.3	398.4	386.0	372.8	365.8	358.7	357.2	355.6
57.5°	495.7	480.9	466.1	419.4	372.8	361.1	348.6	344.0	337.7	337.7	337.0
60°	414.8	436.6	458.4	404.7	350.2	337.0	323.7	319.8	317.5	316.7	315.9
62.5°	372.8	408.6	443.6	386.8	329.2	315.2	301.2	296.5	295.7	296.5	296.5
65°	337.0	347.9	358.7	332.3	305.8	291.8	277.0	272.4	273.9	276.3	278.6
67.5°	304.3	301.9	299.6	290.3	280.2	268.5	256.0	251.4	252.1	255.2	258.4
70°	273.1	270.0	266.1	259.1	252.1	242.0	231.9	228.8	228.0	231.9	235.0
72.5°	242.0	238.1	233.5	228.0	221.8	213.2	204.7	202.3	203.1	205.4	207.8
75°	207.8	204.7	200.8	196.1	190.7	182.9	175.1	173.5	175.1	177.4	179.8
77.5°	170.4	169.6	168.1	164.2	160.3	151.7	142.4	141.6	144.0	146.3	147.9
80°	133.1	133.8	134.6	131.5	128.4	119.1	108.9	108.2	110.5	112.8	115.2
82.5°	98.1	100.4	101.9	98.1	94.2	83.3	72.4	70.8	78.6	80.9	83.3
85°	56.8	59.9	63.0	59.9	56.8	45.9	35.0	34.2	41.2	45.1	49.0
87.5°	4.7	6.2	7.8	7.0	6.2	3.1	0.0	0.0	0.8	3.9	7.0
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: P320790  
 CATALOG NUMBER: GLEON-SA6A-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: P320790  
 CATALOG NUMBER: GLEON-SA6A-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8
2.5°	5068.4	5038.0	5028.7	5019.4	4985.1	4950.1	4985.9	5020.9	5035.7	5050.5	5012.4
5°	4121.3	4115.9	4115.9	4115.1	4084.0	4052.1	4076.2	4099.5	4047.4	3995.3	3989.8
7.5°	3088.7	3122.1	3149.4	3175.8	3165.7	3155.6	3178.1	3200.7	3134.6	3067.6	3035.0
10°	2287.1	2294.1	2323.7	2353.3	2360.3	2366.5	2394.5	2421.7	2370.4	2319.0	2296.5
12.5°	1784.4	1747.0	1750.9	1754.1	1768.1	1781.3	1810.9	1839.7	1818.6	1796.9	1799.2
15°	1445.1	1397.6	1378.2	1357.9	1373.5	1389.1	1410.1	1430.3	1431.1	1431.1	1451.3
17.5°	1179.7	1155.6	1136.2	1115.9	1136.9	1157.2	1159.5	1161.8	1162.6	1163.4	1161.8
20°	966.5	978.2	972.0	965.7	973.5	980.5	986.8	992.2	985.2	977.4	958.0
22.5°	847.5	857.6	865.4	872.4	885.6	898.0	891.8	884.8	870.8	856.0	841.2
25°	778.2	785.2	793.0	800.8	811.7	821.8	810.9	800.0	789.9	779.8	769.6
27.5°	719.8	726.8	733.8	740.1	750.2	759.5	749.4	739.3	730.7	722.2	714.4
30°	672.4	677.0	682.5	687.9	697.3	705.8	697.3	687.9	681.7	674.7	669.2
32.5°	631.9	636.6	638.9	641.2	649.8	658.4	652.1	645.9	640.5	635.0	631.1
35°	587.5	596.9	598.4	600.0	608.5	617.1	613.2	608.5	602.3	596.1	589.1
37.5°	542.4	553.3	559.5	565.0	573.5	582.1	578.2	574.3	565.7	557.2	544.7
40°	504.3	508.9	520.6	531.5	545.5	558.7	551.0	542.4	529.2	515.9	509.7
42.5°	472.4	471.6	482.5	493.4	514.4	534.6	520.6	506.6	494.2	481.7	480.1
45°	444.3	442.0	447.5	452.9	475.5	497.3	483.3	468.5	461.5	454.5	454.5
47.5°	419.4	417.9	421.8	424.9	438.9	452.1	445.1	438.1	434.2	430.3	431.1
50°	396.9	395.3	399.2	402.3	407.8	412.4	414.0	414.8	412.4	410.1	411.7
52.5°	375.9	375.9	377.4	378.2	385.2	392.2	392.2	391.4	391.4	391.4	393.0
55°	358.0	359.5	359.5	359.5	370.4	380.5	377.4	374.3	375.1	375.1	376.6
57.5°	340.1	342.4	344.0	345.5	356.4	367.3	364.2	361.1	361.1	361.1	361.9
60°	319.8	323.0	326.1	329.2	340.1	351.0	347.9	344.0	344.7	345.5	346.3
62.5°	300.4	303.5	306.6	309.7	320.6	331.5	328.4	324.5	326.8	328.4	328.4
65°	281.7	284.0	287.2	290.3	300.4	310.5	307.4	304.3	307.4	309.7	311.3
67.5°	260.7	262.3	265.4	268.5	278.6	288.7	285.6	281.7	285.6	288.7	291.8
70°	236.6	238.1	242.0	245.1	255.2	265.4	261.5	257.6	261.5	265.4	268.5
72.5°	210.1	211.7	215.6	218.7	230.3	242.0	237.3	232.7	237.3	242.0	243.6
75°	181.3	182.9	187.5	191.4	203.1	214.8	210.9	206.2	210.1	214.0	214.8
77.5°	150.2	152.5	158.8	165.0	174.3	183.7	181.3	179.0	181.3	183.7	183.7
80°	117.5	119.8	127.6	134.6	140.1	145.5	146.3	147.1	147.9	148.6	147.9
82.5°	87.2	90.3	97.3	104.3	104.3	104.3	110.5	116.0	116.0	115.2	114.4
85°	53.7	57.6	63.8	70.0	66.1	62.3	72.4	81.7	81.7	80.9	79.4
87.5°	10.9	14.8	21.0	26.5	22.6	18.7	28.8	38.9	39.7	39.7	38.1
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: P320790  
 CATALOG NUMBER: GLEON-SA6A-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: P320790

CATALOG NUMBER: GLEON-SA6A-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8
2.5°	4973.4	5034.1	5094.1	5109.6	5133.0	5143.1	5152.4	5228.7	5304.2	5392.9	5481.6
5°	3983.6	4028.7	4073.8	4080.9	4105.0	4117.4	4129.9	4222.5	4314.3	4438.0	4561.8
7.5°	3002.3	3013.2	3024.1	3022.5	3042.7	3070.0	3096.4	3195.3	3293.3	3426.4	3558.7
10°	2273.9	2298.8	2322.9	2345.5	2389.8	2441.2	2491.8	2592.9	2694.1	2825.6	2956.4
12.5°	1801.5	1830.3	1858.3	1883.2	1934.6	2003.1	2070.8	2192.2	2313.6	2470.8	2627.2
15°	1470.8	1468.5	1466.1	1483.2	1528.4	1603.1	1677.0	1805.4	1933.8	2106.6	2278.6
17.5°	1160.3	1148.6	1136.9	1150.2	1192.2	1253.7	1314.4	1423.3	1531.5	1698.8	1866.1
20°	938.5	930.7	922.9	935.4	961.8	987.5	1013.2	1091.8	1169.6	1305.8	1441.2
22.5°	825.7	824.9	823.3	830.3	842.8	856.0	868.5	906.6	943.9	1031.9	1119.0
25°	759.5	758.7	758.0	761.1	771.2	781.3	791.4	816.3	841.2	883.3	925.3
27.5°	706.6	705.0	703.5	704.3	706.6	722.2	737.0	748.6	759.5	788.3	816.3
30°	663.8	663.0	662.2	662.2	659.9	665.4	670.8	688.7	705.8	735.4	765.0
32.5°	627.2	623.3	619.4	610.9	605.4	613.2	621.0	639.7	658.4	685.6	712.8
35°	581.3	571.2	560.3	555.6	556.4	564.2	572.0	590.6	608.5	638.1	666.9
37.5°	531.5	528.4	524.5	523.7	526.1	533.8	541.6	558.0	573.5	603.1	631.9
40°	503.5	501.9	500.4	498.8	500.4	508.2	515.9	531.5	546.3	575.1	603.1
42.5°	478.6	477.8	477.0	477.0	477.8	486.4	494.9	510.5	525.3	551.0	576.6
45°	454.5	455.2	455.2	456.8	459.1	467.7	475.5	492.6	509.7	534.6	559.5
47.5°	431.9	434.2	435.8	439.7	442.0	451.4	459.9	478.6	497.3	528.4	558.7
50°	412.4	414.8	416.3	419.4	425.7	436.6	447.5	470.0	491.8	544.0	595.3
52.5°	394.5	396.9	399.2	402.3	410.1	422.6	435.0	463.0	490.3	551.0	611.7
55°	378.2	380.5	382.1	386.8	394.5	405.4	415.6	449.8	484.0	528.4	572.8
57.5°	362.6	365.0	366.5	369.6	373.5	385.2	396.1	432.7	469.3	500.4	530.7
60°	346.3	347.9	348.6	348.6	351.7	365.0	378.2	424.9	470.8	465.4	459.1
62.5°	328.4	330.0	330.7	328.4	332.3	346.3	360.3	421.0	481.7	444.3	407.0
65°	312.1	311.3	310.5	308.2	312.8	326.8	340.1	370.4	400.8	386.0	371.2
67.5°	294.2	291.8	289.5	286.4	291.0	303.5	315.2	325.3	335.4	337.0	338.5
70°	271.6	268.5	265.4	264.6	266.9	277.0	287.2	294.2	300.4	303.5	305.8
72.5°	245.1	242.8	240.5	238.9	239.7	248.2	256.0	262.3	268.5	270.8	272.4
75°	215.6	215.6	214.8	210.1	210.1	217.1	223.3	228.8	234.2	237.3	240.5
77.5°	183.7	184.4	184.4	178.2	177.4	184.4	190.7	195.3	199.2	202.3	204.7
80°	147.1	145.5	144.0	140.1	138.5	147.1	154.9	158.8	161.9	162.6	162.6
82.5°	112.8	109.7	105.8	97.3	98.1	107.4	116.0	119.1	122.2	122.2	122.2
85°	77.0	70.8	63.8	56.8	57.6	67.7	77.0	80.2	83.3	84.8	85.6
87.5°	36.6	30.3	23.3	17.9	17.9	26.5	34.2	35.8	37.4	40.5	43.6
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: P320790  
 CATALOG NUMBER: GLEON-SA6A-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: P320790

CATALOG NUMBER: GLEON-SA6A-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8
2.5°	5549.3	5616.2	5685.5	5754.7	5834.1	5913.5	6006.1	6097.9	6176.5	6255.1	6320.5
5°	4668.4	4775.0	4900.3	5025.6	5185.1	5344.6	5540.0	5734.5	5908.1	6081.6	6283.1
7.5°	3698.0	3836.5	3999.9	4163.3	4369.6	4575.8	4828.7	5081.6	5326.7	5571.1	5880.8
10°	3101.9	3247.4	3408.5	3568.8	3778.9	3988.2	4255.9	4522.9	4798.3	5073.1	5423.2
12.5°	2789.0	2950.1	3091.8	3233.4	3403.8	3573.5	3832.6	4091.7	4415.5	4738.4	5075.4
15°	2455.2	2631.1	2800.7	2970.4	3156.4	3341.6	3593.7	3845.8	4199.9	4554.0	4941.5
17.5°	2051.3	2236.5	2443.5	2649.8	2892.5	3134.6	3457.5	3780.5	4199.9	4618.6	5075.4
20°	1630.3	1819.4	2066.9	2314.4	2616.3	2917.5	3336.1	3754.8	4319.8	4883.9	5466.8
22.5°	1286.4	1452.9	1722.9	1992.2	2340.8	2689.4	3226.4	3762.6	4501.1	5238.8	6025.6
25°	1042.8	1160.3	1425.7	1690.2	2092.6	2494.9	3159.5	3823.3	4764.9	5705.7	6681.6
27.5°	893.4	970.4	1217.9	1464.6	1904.2	2343.1	3132.2	3920.5	5099.5	6278.5	7395.2
30°	818.7	872.4	1081.7	1290.2	1736.9	2183.6	3099.5	4015.5	5421.7	6827.1	7953.1
32.5°	756.4	799.2	978.2	1156.4	1592.2	2028.0	3036.5	4044.3	5646.6	7248.9	8425.5
35°	703.5	739.3	894.9	1050.6	1478.6	1906.6	2930.7	3954.8	5787.4	7620.1	8917.3
37.5°	660.7	688.7	832.7	976.6	1380.5	1784.4	2810.1	3835.7	5912.7	7989.7	9470.6
40°	627.2	651.3	786.0	920.6	1287.1	1653.7	2706.6	3758.7	6085.5	8412.3	10055.1
42.5°	608.5	639.7	745.5	850.6	1198.4	1546.3	2623.3	3700.3	6245.8	8790.5	10566.3
45°	603.9	648.2	724.5	800.8	1132.3	1463.8	2549.4	3634.2	6349.3	9064.4	10951.5
47.5°	596.1	632.7	708.2	783.6	1099.6	1414.8	2509.7	3603.8	6452.8	9301.0	11271.4
50°	600.8	605.4	694.9	783.6	1094.9	1406.2	2554.8	3703.4	6676.9	9649.6	11637.1
52.5°	592.2	572.0	670.0	768.1	1094.1	1420.2	2684.8	3949.3	7093.2	10236.4	12033.2
55°	547.1	520.6	623.3	726.1	1077.8	1428.8	2839.6	4249.7	7652.0	11053.5	12745.3
57.5°	507.4	483.3	570.4	656.8	1028.0	1399.2	2999.2	4598.4	8242.6	11886.1	13547.6
60°	454.5	449.0	511.3	573.5	951.0	1327.6	3130.7	4933.0	8639.5	12345.3	13856.5
62.5°	410.9	414.0	459.9	505.8	854.5	1202.3	3174.3	5145.4	8628.6	12111.8	13545.3
65°	377.4	382.9	428.0	473.1	772.0	1070.8	3031.1	4990.6	8192.1	11392.8	12929.7
67.5°	344.7	351.0	404.7	457.6	698.8	939.3	2673.1	4406.1	7406.9	10406.8	12146.8
70°	313.6	321.4	379.8	438.1	645.9	852.9	2211.6	3570.4	6424.0	9276.9	11240.2
72.5°	280.2	287.9	350.2	412.4	612.4	811.7	1803.1	2793.7	5213.1	7631.8	9614.6
75°	245.9	251.4	319.1	386.0	566.5	747.1	1414.8	2081.7	3989.8	5897.9	7262.1
77.5°	211.7	218.7	275.5	331.5	480.9	629.6	1066.1	1502.7	2927.6	4351.7	5050.5
80°	168.9	175.1	215.6	255.2	371.2	486.4	733.1	979.7	2014.7	3049.7	3443.5
82.5°	129.2	136.2	163.4	189.9	264.6	339.3	444.3	549.4	1338.5	2126.8	2159.5
85°	88.7	91.0	110.5	129.2	163.4	197.7	254.5	311.3	885.6	1459.9	1216.3
87.5°	44.4	44.4	57.6	70.8	87.9	105.1	134.6	163.4	283.3	403.1	231.9
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: P320790  
 CATALOG NUMBER: GLEON-SA6A-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: P320790

CATALOG NUMBER: GLEON-SA6A-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8
2.5°	6403.8	6460.6	6518.2	6561.7	6606.1	6669.9	6733.7	6745.4	6757.8	6732.9	6708.0
5°	6486.3	6658.2	6831.0	6990.5	7150.1	7245.8	7341.5	7360.9	7380.4	7320.5	7259.8
7.5°	6180.4	6480.0	6779.6	7054.3	7329.0	7495.6	7662.9	7700.2	7738.4	7640.3	7542.3
10°	5771.9	6140.0	6508.0	6869.9	7231.8	7473.8	7715.8	7764.0	7812.3	7690.1	7567.9
12.5°	5455.9	5848.9	6241.9	6623.2	7005.3	7255.9	7506.5	7566.4	7626.3	7537.6	7448.1
15°	5358.6	5728.3	6097.9	6430.2	6763.3	6968.0	7173.4	7197.5	7222.4	7208.4	7194.4
17.5°	5535.3	5869.1	6203.8	6384.3	6565.6	6647.3	6729.8	6756.3	6783.5	6818.5	6854.3
20°	5963.3	6198.3	6434.1	6426.3	6417.8	6378.1	6337.6	6330.6	6323.6	6424.0	6525.2
22.5°	6602.2	6695.6	6789.7	6571.1	6352.4	6219.3	6085.5	6059.0	6031.8	6138.4	6245.8
25°	7295.6	7278.5	7260.6	6844.2	6427.1	6173.4	5919.7	5890.2	5860.6	5951.6	6043.5
27.5°	7981.9	7869.9	7757.8	7192.1	6626.3	6258.2	5890.2	5860.6	5831.0	5911.9	5992.9
30°	8485.4	8305.7	8125.9	7485.5	6845.0	6407.7	5970.3	5922.1	5873.0	5972.6	6072.3
32.5°	8878.4	8637.2	8395.9	7723.6	7051.2	6578.1	6104.9	6029.5	5954.0	6087.0	6220.1
35°	9270.6	8931.3	8591.3	7936.0	7280.0	6779.6	6278.5	6185.9	6093.3	6276.1	6459.0
37.5°	9764.0	9276.9	8788.9	8174.9	7560.9	7081.6	6601.4	6506.5	6411.5	6644.2	6877.7
40°	10299.4	9649.6	8999.8	8436.4	7873.0	7499.5	7125.1	7034.9	6943.8	7227.1	7510.4
42.5°	10744.5	9996.7	9248.8	8751.6	8253.5	7990.5	7726.7	7725.9	7724.4	8011.5	8298.7
45°	11106.4	10286.2	9465.2	9059.0	8652.0	8515.0	8378.0	8487.8	8597.5	8856.6	9116.5
47.5°	11376.4	10529.0	9680.7	9410.7	9140.7	9160.9	9181.1	9404.5	9627.8	9794.4	9961.7
50°	11552.3	10749.2	9945.3	9862.1	9778.8	9960.1	10142.2	10398.2	10655.0	10768.7	10882.3
52.5°	11808.3	11048.0	10287.0	10380.3	10473.7	10844.1	11214.6	11473.7	11732.8	11774.9	11817.7
55°	12400.5	11597.4	10793.6	10972.5	11152.3	11695.5	12239.4	12441.8	12644.1	12659.7	12675.2
57.5°	13241.8	12367.1	11492.4	11685.4	11878.4	12505.6	13133.6	13351.5	13570.2	13539.8	13508.7
60°	13871.3	13097.8	12323.5	12518.0	12712.6	13324.2	13935.9	14186.5	14437.8	14370.9	14304.0
62.5°	13910.2	13497.0	13083.0	13258.9	13435.5	14034.7	14633.9	14891.5	15149.1	15032.4	14915.7
65°	13291.6	13476.8	13662.0	13720.3	13778.7	14337.5	14897.0	15093.9	15291.5	15232.4	15173.2
67.5°	12439.4	13121.9	13805.2	13687.7	13570.2	13832.4	14094.7	14297.8	14500.9	14467.4	14433.2
70°	11588.9	12500.1	13411.4	12834.0	12255.8	12147.6	12039.4	12258.1	12477.6	12342.2	12206.0
72.5°	10140.7	11111.8	12083.8	11020.0	9956.2	9586.6	9216.9	9494.8	9772.6	9557.0	9340.7
75°	7960.2	9033.3	10107.2	8838.0	7568.7	7075.3	6582.0	6820.9	7059.8	6911.9	6763.3
77.5°	5926.0	6983.5	8041.1	6750.8	5459.8	5093.3	4726.0	4796.8	4868.4	4843.5	4817.8
80°	4019.4	4756.3	5494.1	4634.9	3775.8	3803.8	3832.6	3799.1	3764.9	3814.7	3864.5
82.5°	2564.9	3133.8	3703.4	3247.4	2791.4	3052.9	3314.3	3185.9	3056.7	3104.2	3152.5
85°	1463.8	2020.2	2577.4	2402.3	2226.4	2378.9	2532.2	2333.0	2133.8	2221.0	2308.9
87.5°	386.0	1117.5	1849.8	1679.3	1508.9	1311.3	1113.6	849.8	586.0	856.0	1126.0
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: P320790  
 CATALOG NUMBER: GLEON-SA6A-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: P320790

CATALOG NUMBER: GLEON-SA6A-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8	5929.8
2.5°	6694.8	6681.6	6634.1	6585.9	6514.3	6455.1	6352.4
5°	7175.7	7091.7	6946.9	6801.4	6639.6	6453.6	6247.3
7.5°	7346.2	7149.3	6871.5	6592.9	6342.3	6048.1	5774.2
10°	7273.8	6978.8	6617.8	6255.9	5951.6	5613.1	5308.8
12.5°	7135.3	6821.7	6424.0	6025.6	5679.3	5315.8	4975.0
15°	6944.6	6694.0	6321.3	5948.5	5599.9	5246.6	4842.7
17.5°	6736.1	6617.0	6347.7	6077.7	5775.8	5433.4	4959.4
20°	6568.0	6611.5	6504.2	6396.8	6154.7	5855.9	5323.6
22.5°	6454.3	6663.7	6746.2	6829.4	6683.9	6450.5	5834.9
25°	6390.5	6737.6	7013.9	7290.9	7226.3	7046.6	6455.9
27.5°	6418.5	6844.2	7273.0	7702.6	7762.5	7712.7	7110.4
30°	6502.6	6933.7	7455.9	7978.8	8217.7	8284.7	7655.9
32.5°	6642.7	7065.2	7634.1	8203.7	8564.8	8778.0	8154.7
35°	6854.3	7249.7	7842.6	8435.6	8902.5	9291.6	8669.9
37.5°	7217.8	7557.8	8104.9	8652.7	9258.2	9842.6	9237.2
40°	7750.0	7990.5	8452.7	8915.8	9677.6	10466.7	9869.8
42.5°	8421.6	8545.4	8911.9	9278.4	10115.8	11033.2	10488.5
45°	9149.2	9181.9	9412.3	9643.4	10462.8	11419.2	10953.1
47.5°	9849.6	9737.5	9829.4	9921.2	10729.0	11694.7	11305.6
50°	10570.2	10258.2	10209.9	10161.7	10995.1	12019.2	11753.9
52.5°	11303.3	10788.9	10598.2	10406.8	11312.6	12449.6	12311.8
55°	12020.8	11366.3	11109.5	10852.7	11798.2	12974.8	13131.3
57.5°	12767.1	12025.4	11787.3	11549.2	12511.8	13640.2	13866.6
60°	13570.2	12835.5	12644.9	12453.4	13399.0	14359.2	14194.3
62.5°	14332.0	13748.4	13648.0	13546.8	14296.2	14911.8	14066.6
65°	14840.9	14507.9	14601.3	14695.4	14974.8	15049.5	13693.1
67.5°	14500.9	14568.6	14963.1	15358.4	15166.2	14640.2	12956.9
70°	12611.4	13017.6	13952.3	14887.6	14461.2	13543.7	11635.6
72.5°	9796.7	10253.5	11641.0	13029.3	12636.3	11512.6	9557.0
75°	7278.5	7794.4	9325.9	10857.4	10311.9	8611.5	6842.7
77.5°	5163.3	5508.8	7020.9	8533.7	7644.2	5732.2	4604.6
80°	3758.7	3652.8	4495.6	5338.4	5190.6	3791.4	2957.1
82.5°	2894.1	2635.7	3032.6	3429.5	3407.7	2631.1	2169.6
85°	2205.4	2101.9	2452.9	2803.8	2503.5	1782.1	1379.0
87.5°	1285.6	1445.9	1859.1	2273.1	1705.8	540.8	267.7
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: P320790  
 CATALOG NUMBER: GLEON-SA6A-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.

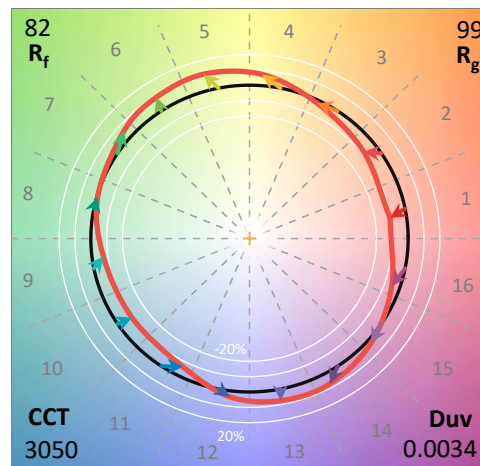
**Test Information**

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**

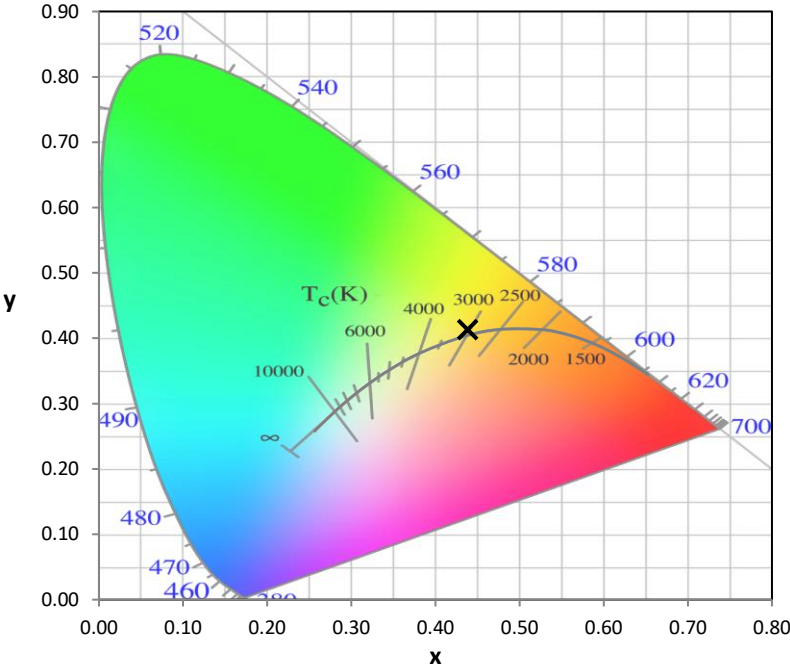
Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

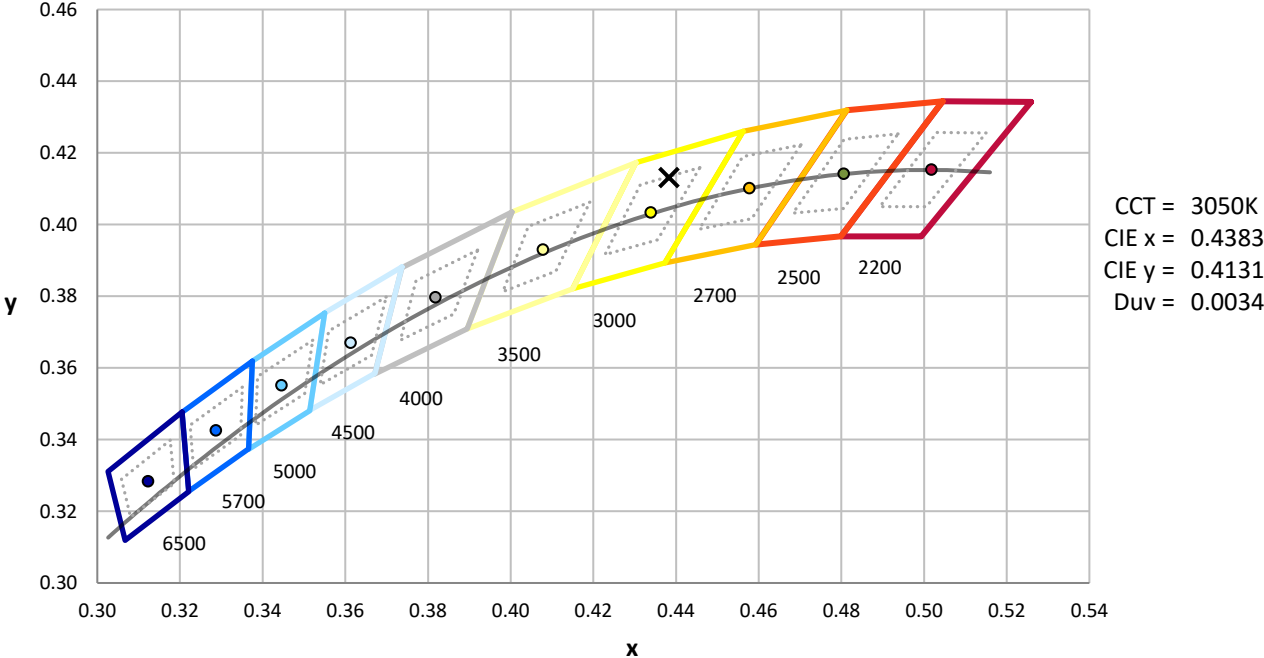
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

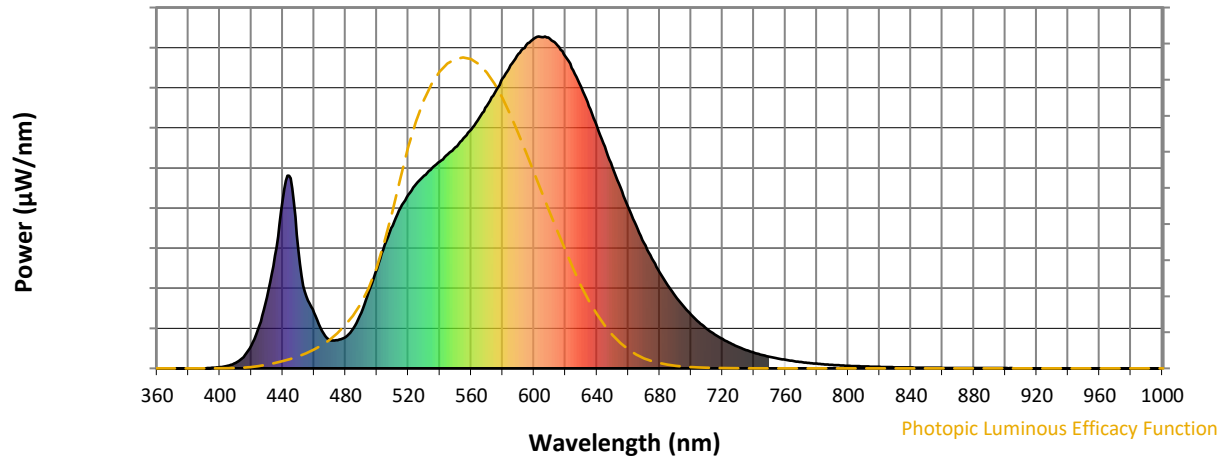


Point lies inside the ANSI 3000K 4-step quadrangle



REPORT NUMBER: SP1-2408-195-9

**Photopic Flux vs. Wavelength**

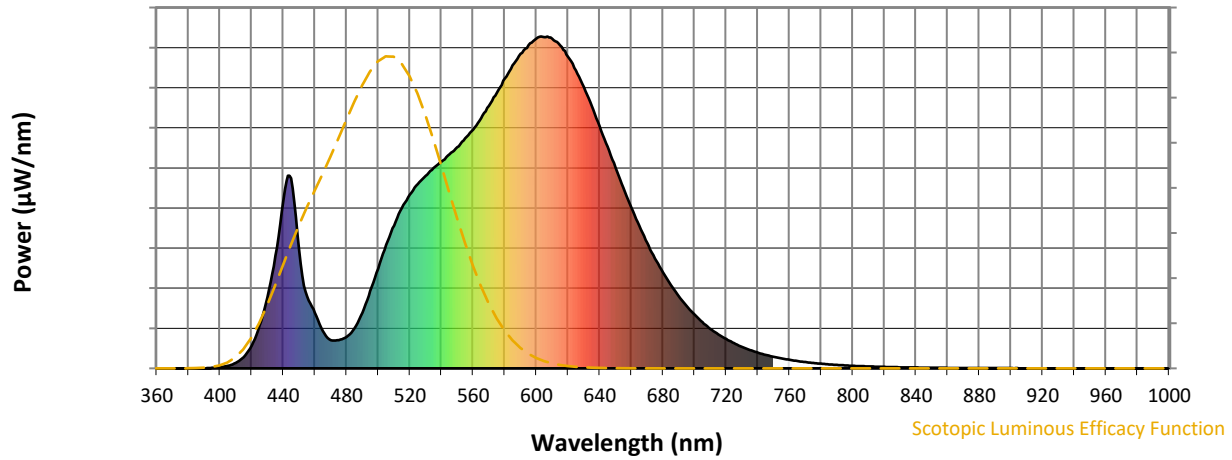


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /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**



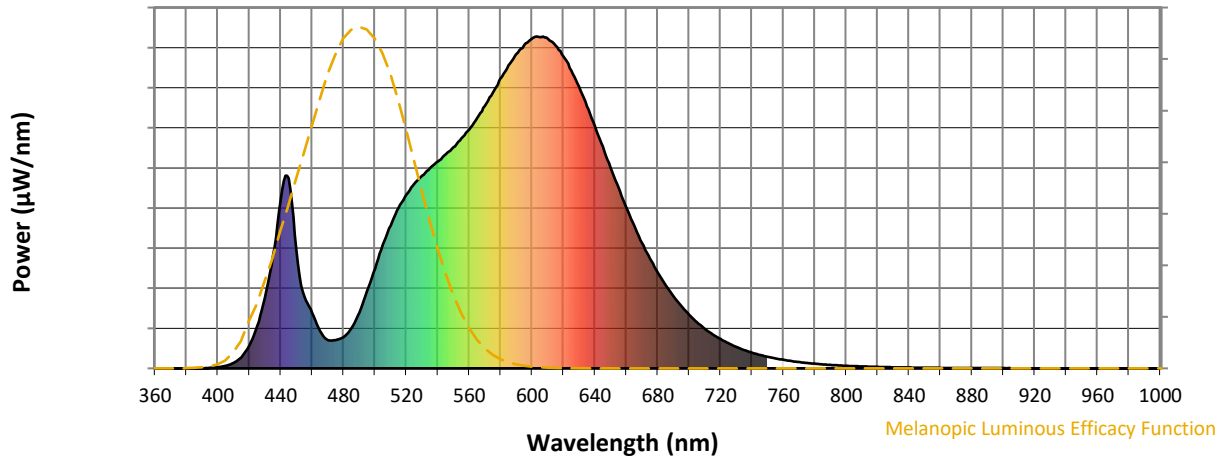
**Scotopic Lumens: NR**

**S/P: 1.27**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /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**



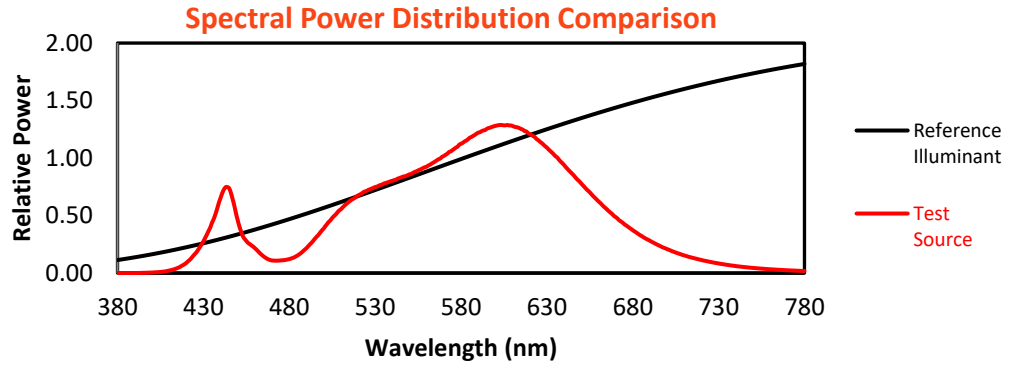
**Melanopic Lumens: NR**

**M/P: 2.32**

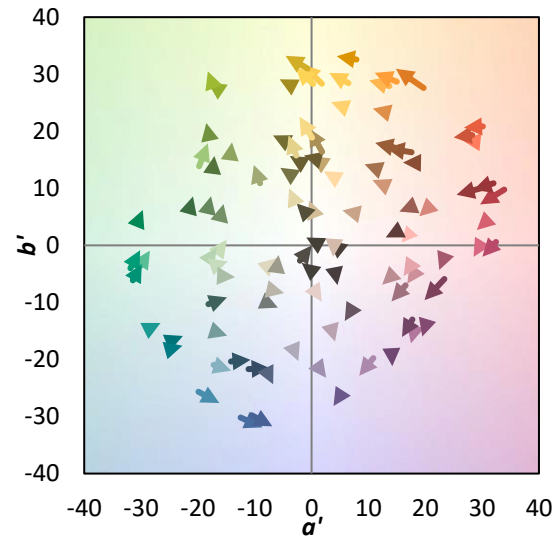
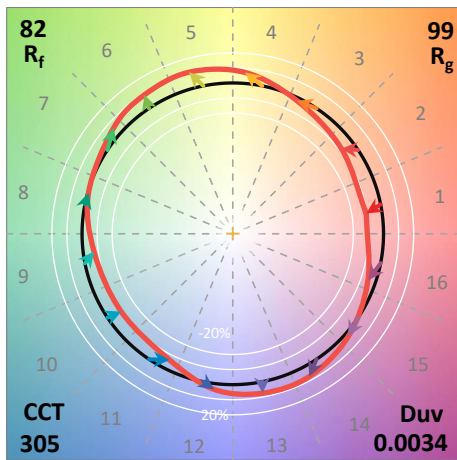
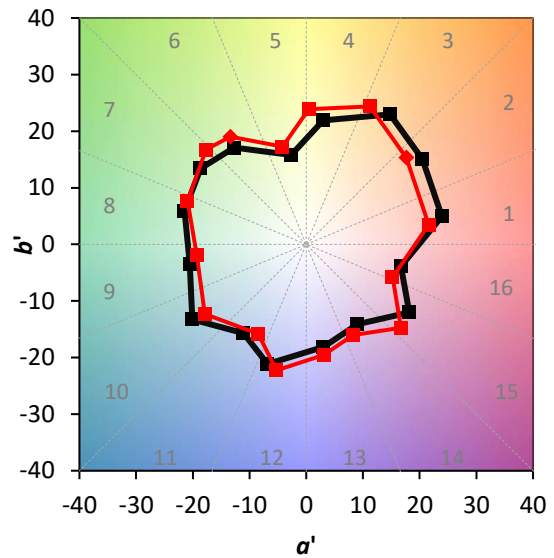
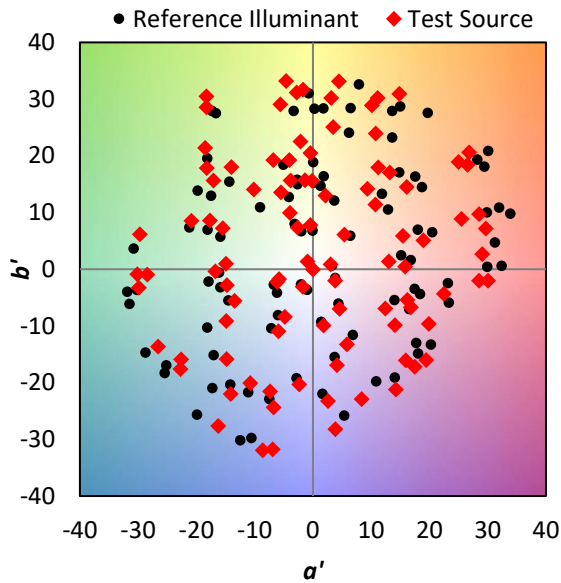
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	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**

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

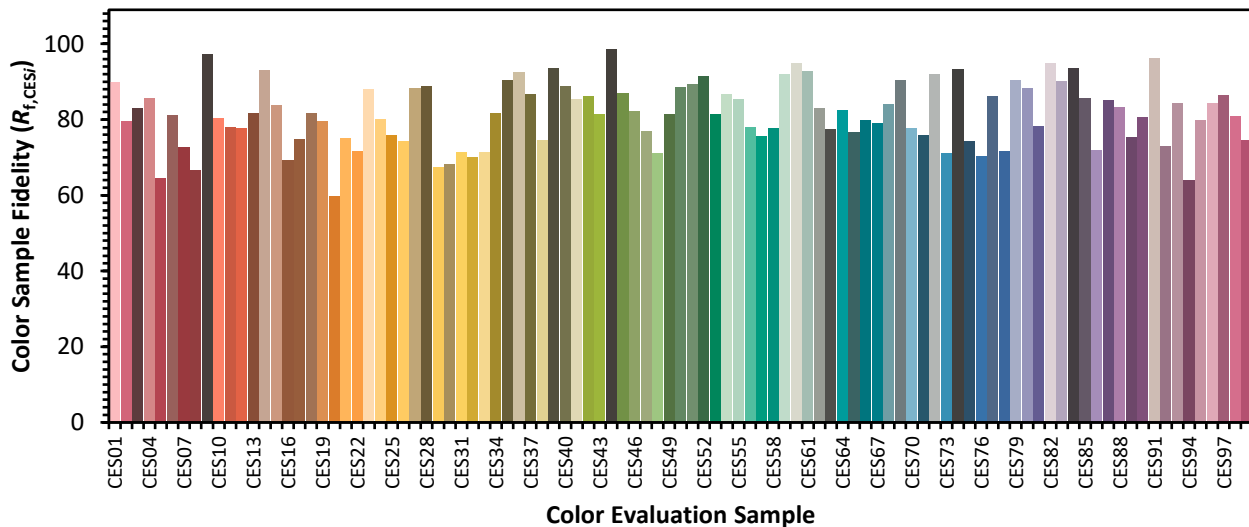


**Color Vector Graphics**

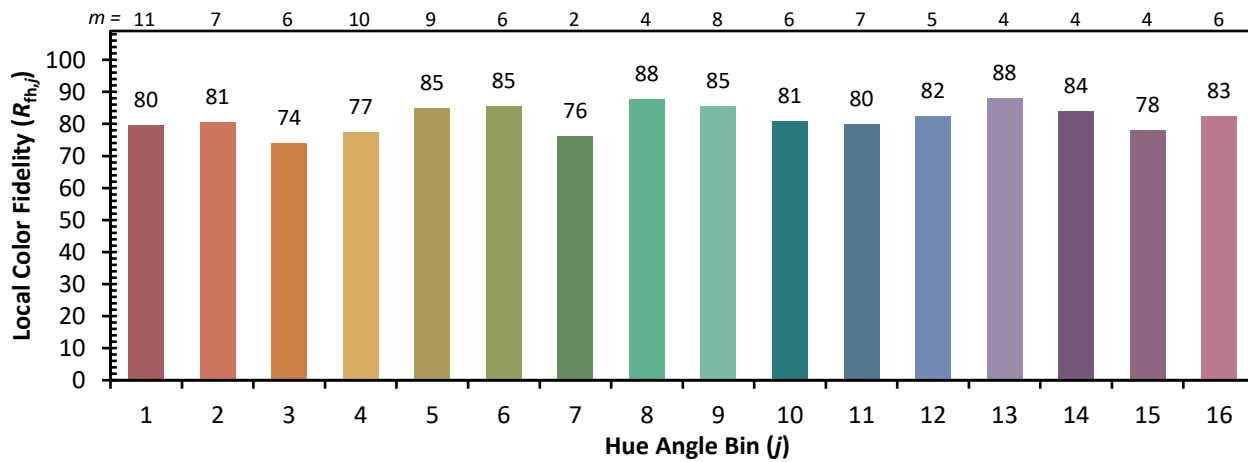
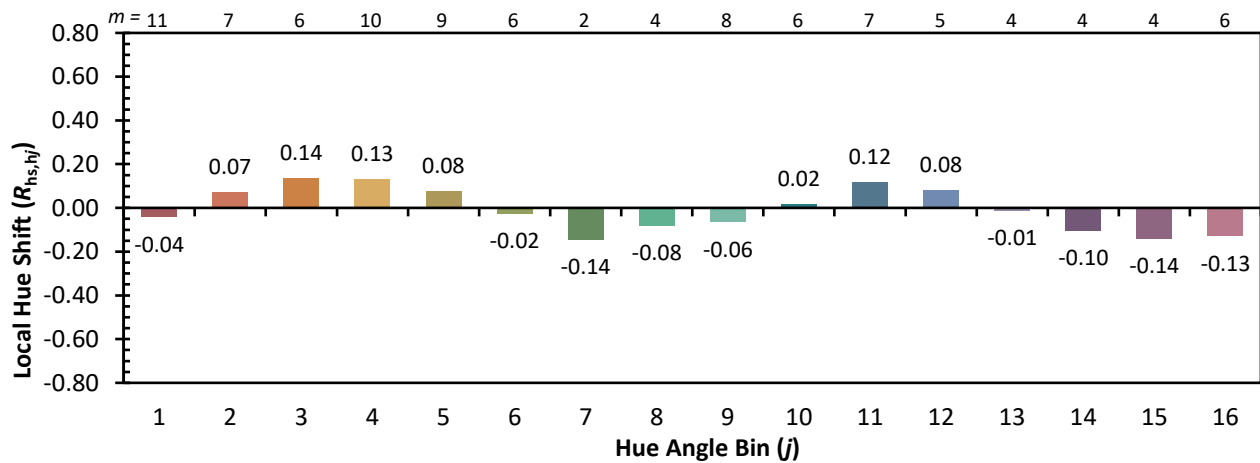
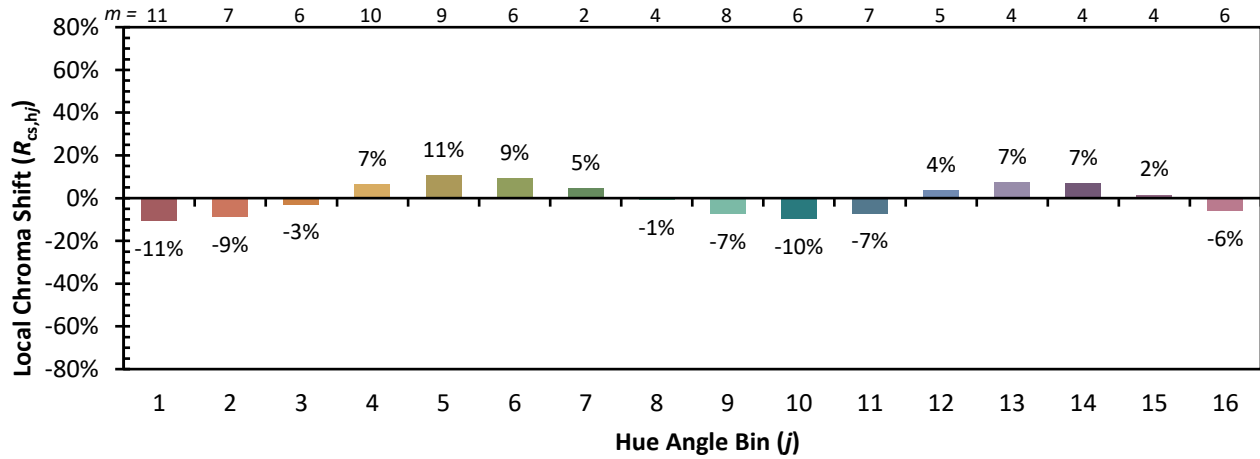


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

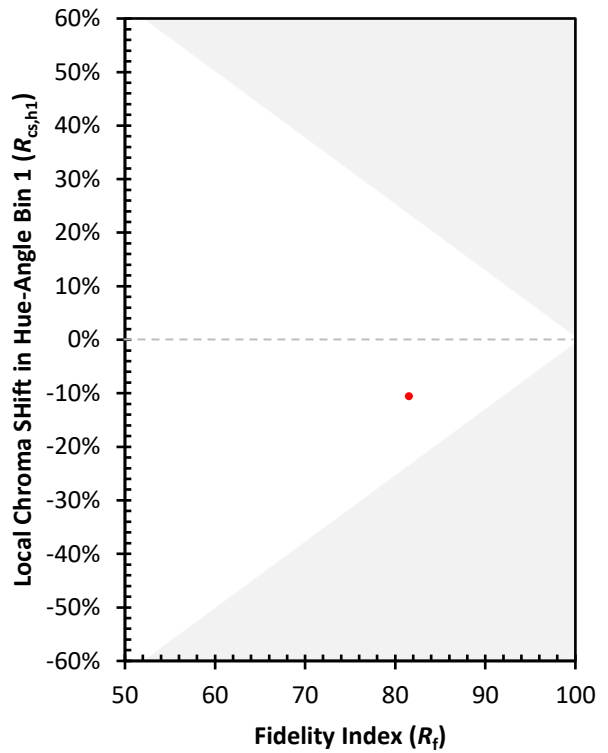
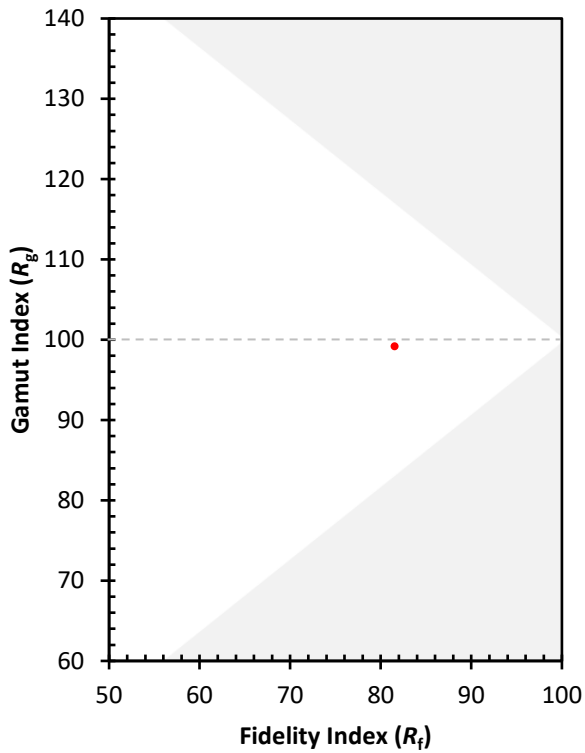
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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