

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: P320477

Luminaire Tested: **GLEON-SA3B-830-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320477
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-SA3B-830-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12183 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

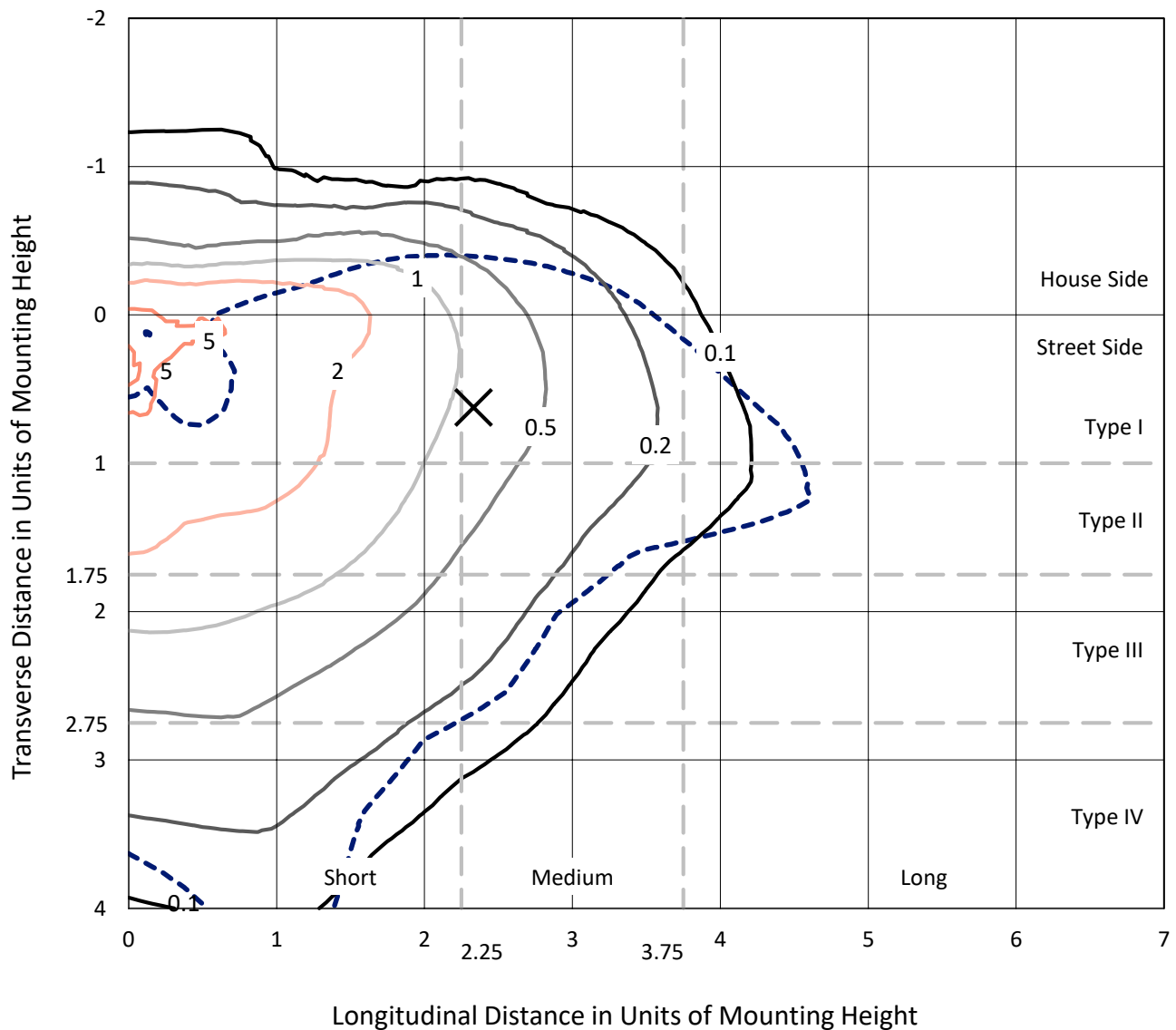


REPORT NUMBER: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

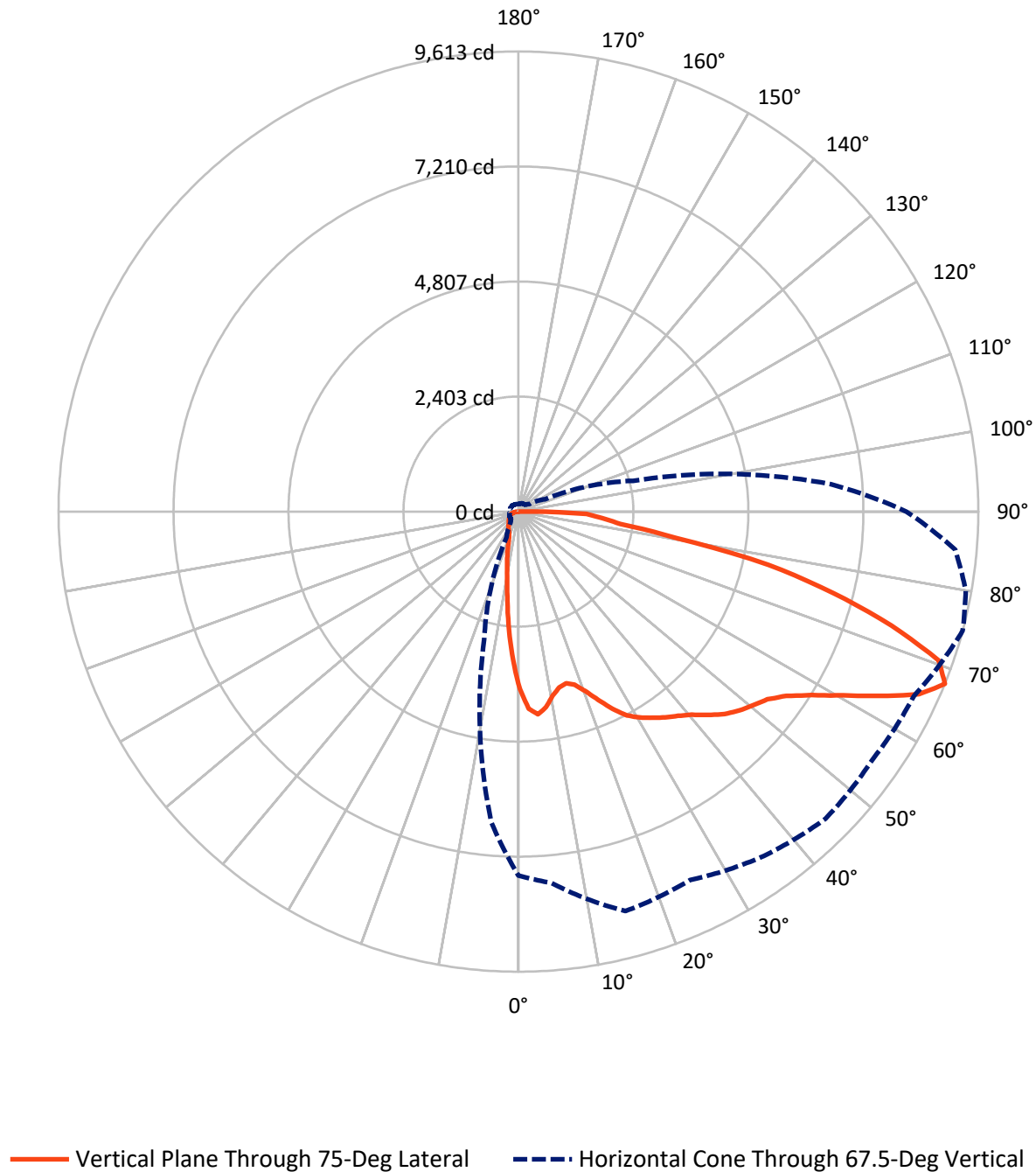
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P320477
CATALOG NUMBER: GLEON-SA3B-830-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2145.7	0.0	2145.7
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	10037.3	0.0	10037.3
	% Fixture	82.4	0.0	82.4
Total	Lumens	12183.0	0.0	12183.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.5	2.4
10°-20°	595.1	4.9
20°-30°	846.3	6.9
30°-40°	1219.6	10.0
40°-50°	1718.7	14.1
50°-60°	2389.3	19.6
60°-70°	2889.4	23.7
70°-80°	1776.1	14.6
80°-90°	462.2	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°	12183.0	100.0
0°-180°	12183.0	100.0

Coefficient of Utilization



REPORT NUMBER: P320477

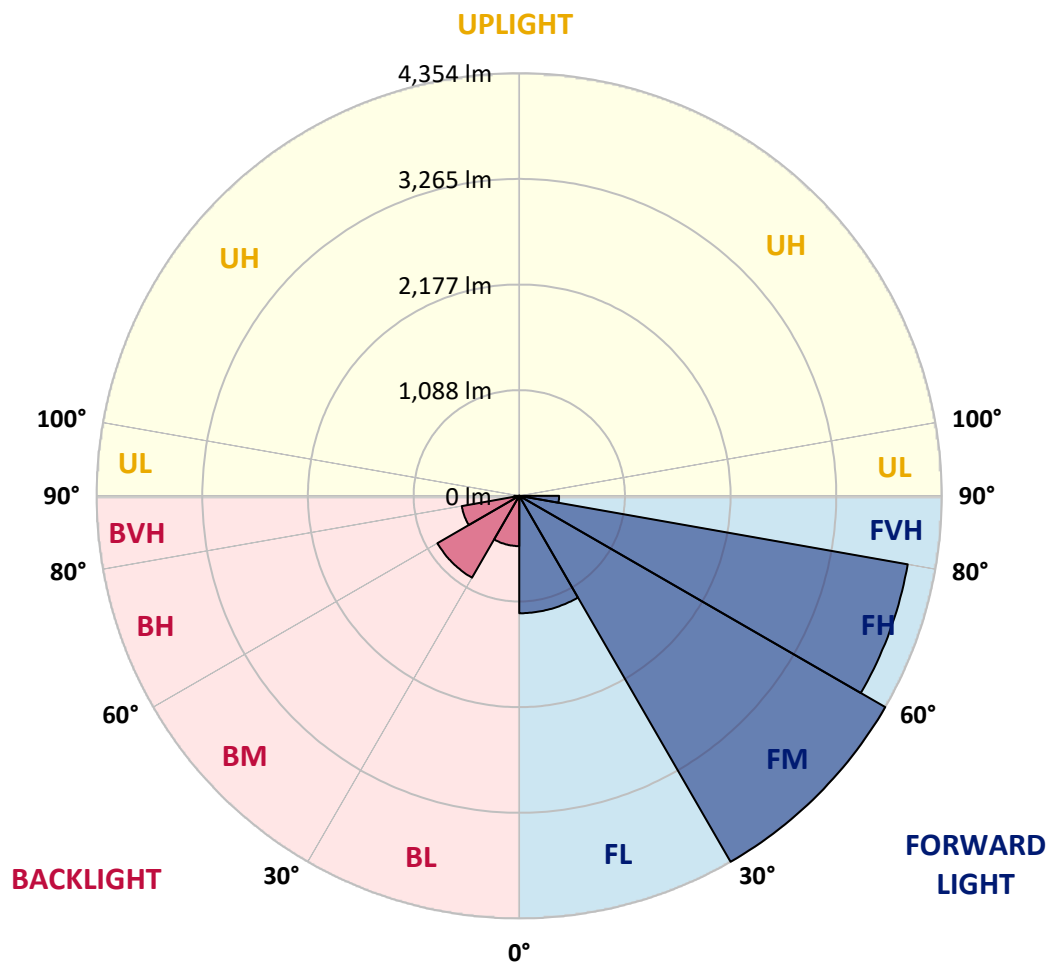
CATALOG NUMBER: GLEON-SA3B-830-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1209.6	9.9			
FM	(30°-60°)	4353.6	35.7			
FH	(60°-80°)	4063.8	33.4			G2/5000
FVH	(80°-90°)	410.2	3.4			G3/500
BL	(0°-30°)	518.2	4.3	B2/1000		
BM	(30°-60°)	974.0	8.0	B1/1000		
BH	(60°-80°)	601.6	4.9	B2/1000		G2/1000
BVH	(80°-90°)	51.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



REPORT NUMBER: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6
2.5°	3956.1	4008.2	4044.3	4079.8	4107.6	4134.9	4174.8	4214.8	4222.6	4229.9	4214.3
5°	3932.7	4059.9	4168.0	4275.7	4375.5	4475.4	4535.3	4595.2	4607.4	4619.5	4582.0
7.5°	3680.9	3868.5	4056.0	4243.5	4415.4	4587.4	4692.1	4796.4	4820.2	4843.6	4782.2
10°	3394.5	3612.7	3843.1	4073.5	4300.0	4526.5	4678.0	4829.5	4859.7	4889.9	4813.4
12.5°	3176.8	3415.0	3661.0	3906.9	4146.1	4384.8	4541.6	4698.4	4736.0	4773.5	4717.9
15°	3093.0	3354.1	3585.5	3816.8	4025.3	4233.3	4361.9	4490.0	4505.6	4520.7	4511.9
17.5°	3176.8	3464.7	3674.1	3883.1	3996.6	4109.6	4161.2	4212.3	4229.4	4245.9	4268.3
20°	3421.8	3732.6	3880.1	4027.2	4022.4	4017.0	3992.2	3966.8	3962.5	3958.1	4021.4
22.5°	3771.5	4132.5	4191.4	4249.8	4113.0	3976.1	3892.8	3809.0	3792.5	3775.4	3842.6
25°	4182.1	4566.4	4555.7	4544.5	4283.9	4022.9	3864.1	3705.3	3686.8	3668.3	3725.7
27.5°	4628.8	4996.1	4925.9	4855.8	4501.7	4147.6	3917.2	3686.8	3668.3	3649.7	3700.4
30°	4978.0	5311.2	5198.7	5086.2	4685.3	4284.4	4010.7	3736.9	3706.7	3676.1	3738.4
32.5°	5273.7	5557.2	5406.2	5255.2	4834.3	4413.5	4117.4	3821.2	3774.0	3726.7	3810.0
35°	5581.5	5802.7	5590.3	5377.4	4967.3	4556.7	4243.5	3929.8	3871.9	3813.9	3928.4
37.5°	5927.9	6111.5	5806.6	5501.2	5116.9	4732.5	4432.5	4132.0	4072.5	4013.1	4159.2
40°	6293.7	6446.6	6039.9	5633.2	5280.5	4927.9	4694.1	4459.8	4403.3	4346.3	4523.6
42.5°	6613.7	6725.2	6257.1	5789.0	5477.8	5166.1	5001.4	4836.3	4835.8	4834.8	5014.6
45°	6854.8	6951.7	6438.3	5924.4	5670.2	5415.4	5329.7	5244.0	5312.7	5381.3	5544.0
47.5°	7055.0	7120.7	6590.3	6059.4	5890.4	5721.3	5734.0	5746.7	5886.5	6026.2	6131.0
50°	7283.9	7230.8	6728.1	6225.0	6172.9	6120.7	6234.7	6348.2	6509.0	6669.2	6740.3
52.5°	7531.8	7391.1	6915.2	6438.8	6497.3	6555.7	6787.6	7019.4	7181.6	7343.8	7370.6
55°	7977.5	7761.7	7259.1	6755.9	6868.4	6980.5	7320.9	7660.9	7787.6	7914.2	7923.9
57.5°	8479.7	8288.3	7740.8	7193.3	7314.1	7434.9	7828.0	8220.6	8357.5	8493.8	8474.8
60°	8673.1	8682.3	8198.2	7713.5	7835.3	7957.1	8339.9	8722.8	8880.1	9036.9	8995.0
62.5°	8478.2	8706.7	8448.0	8188.9	8299.5	8409.6	8784.6	9159.7	9320.9	9482.1	9409.1
65°	8093.0	8319.5	8435.4	8551.3	8587.8	8624.4	8974.6	9324.3	9448.0	9571.3	9534.3
67.5°	7603.0	7786.1	8213.8	8640.9	8567.4	8493.8	8658.0	8822.1	8949.3	9076.4	9055.4
70°	7035.5	7253.7	7824.1	8394.5	8033.0	7671.1	7603.4	7535.7	7673.1	7810.0	7725.2
72.5°	6018.0	6347.2	6955.6	7563.5	6897.6	6231.8	6000.4	5769.1	5943.0	6116.8	5981.9
75°	4545.5	4982.4	5654.6	6326.3	5531.9	4737.4	4428.6	4119.8	4269.3	4418.9	4326.3
77.5°	3161.2	3709.2	4371.1	5033.1	4225.5	3417.4	3188.0	2958.1	3002.9	3047.2	3031.6
80°	2155.4	2515.8	2977.6	3438.8	2901.1	2363.3	2381.4	2398.9	2378.0	2356.5	2387.7
82.5°	1351.7	1605.4	1962.0	2318.1	2032.6	1747.2	1910.8	2074.5	1994.1	1913.3	1943.5
85°	761.3	916.2	1265.0	1613.2	1503.6	1393.6	1489.5	1585.0	1460.3	1335.6	1390.6
87.5°	145.2	241.6	699.9	1157.8	1051.1	944.5	820.7	697.0	531.9	366.8	535.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320477
 CATALOG NUMBER: GLEON-SA3B-830-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6
2.5°	4198.7	4190.4	4182.1	4152.4	4122.2	4077.4	4040.4	3976.1	3941.0	3887.9	3834.8
5°	4544.0	4491.4	4438.8	4348.2	4257.1	4155.8	4039.4	3910.3	3812.9	3686.3	3559.6
7.5°	4720.9	4598.1	4474.9	4301.0	4126.6	3969.8	3785.6	3614.2	3468.1	3303.4	3138.8
10°	4736.9	4552.8	4368.2	4142.2	3915.7	3725.2	3513.4	3322.9	3147.6	2958.6	2769.1
12.5°	4661.9	4466.1	4269.8	4020.9	3771.5	3555.3	3327.3	3114.0	2919.6	2711.6	2503.1
15°	4503.1	4346.8	4189.9	3956.6	3723.3	3505.1	3283.9	3031.1	2811.5	2598.6	2385.3
17.5°	4290.3	4216.2	4141.7	3973.2	3804.2	3615.2	3400.8	3104.2	2847.0	2615.7	2384.3
20°	4084.2	4111.5	4138.3	4071.1	4003.9	3852.4	3665.3	3332.2	3003.9	2701.4	2398.4
22.5°	3909.4	4040.4	4170.9	4223.1	4274.7	4183.6	4037.5	3652.2	3217.7	2822.7	2427.6
25°	3782.7	4000.0	4217.2	4390.6	4563.5	4523.1	4410.6	4040.9	3501.2	2997.5	2493.4
27.5°	3751.1	4017.5	4283.9	4552.8	4821.2	4858.7	4827.5	4450.5	3839.2	3214.8	2589.8
30°	3800.7	4070.6	4340.0	4667.3	4994.1	5143.6	5185.5	4792.0	4225.5	3468.1	2710.2
32.5°	3893.3	4157.8	4422.3	4778.8	5134.9	5360.9	5494.3	5104.2	4494.8	3659.0	2822.7
35°	4042.8	4290.3	4537.7	4908.9	5280.0	5572.3	5815.8	5426.6	4734.0	3792.5	2850.4
37.5°	4304.9	4517.7	4730.6	5073.5	5415.9	5794.9	6160.7	5781.7	4992.6	3921.1	2849.0
40°	4700.9	4851.4	5001.4	5291.2	5580.6	6057.4	6551.3	6177.7	5278.6	4060.4	2842.2
42.5°	5194.3	5271.7	5348.7	5578.1	5807.5	6331.7	6905.9	6565.0	5551.3	4189.9	2828.5
45°	5706.2	5726.7	5747.1	5891.8	6036.0	6548.9	7147.5	6855.8	5789.5	4302.4	2814.9
47.5°	6235.2	6165.1	6094.9	6152.4	6209.9	6715.5	7320.0	7076.4	6028.7	4427.1	2825.1
50°	6811.4	6616.1	6420.8	6390.6	6360.4	6882.1	7523.1	7357.0	6316.1	4608.8	2901.6
52.5°	7396.9	7074.9	6753.0	6633.6	6513.8	7080.8	7792.4	7706.2	6726.2	4890.4	3054.0
55°	7933.7	7524.0	7114.4	6953.7	6792.9	7384.7	8121.2	8219.1	7251.8	5250.3	3248.4
57.5°	8455.4	7991.2	7527.0	7377.9	7228.9	7831.4	8537.7	8679.4	7782.7	5595.7	3408.2
60°	8953.2	8493.8	8034.0	7914.7	7794.9	8386.7	8987.7	8884.5	8056.4	5757.4	3457.8
62.5°	9336.0	8970.7	8605.4	8542.5	8479.2	8948.3	9333.6	8804.6	7882.5	5598.1	3313.7
65°	9497.2	9289.2	9080.8	9139.7	9198.2	9373.0	9419.8	8570.8	7336.0	5151.9	2967.8
67.5°	9034.0	9076.4	9118.8	9366.2	9613.2	9492.9	9163.6	8110.0	6558.1	4519.7	2481.2
70°	7640.0	7894.2	8148.0	8733.5	9318.5	9051.6	8477.3	7282.9	5622.0	3791.5	1960.5
72.5°	5846.5	6132.4	6417.9	7286.8	8155.3	7909.3	7206.0	5981.9	4507.5	3027.7	1547.5
75°	4233.3	4556.2	4878.7	5837.3	6795.8	6454.4	5390.1	4283.0	3423.7	2311.2	1198.2
77.5°	3015.6	3231.8	3448.1	4395.0	5341.4	4785.1	3587.9	2882.1	2369.7	1606.4	842.7
80°	2418.9	2352.6	2286.4	2813.9	3341.4	3248.9	2373.1	1850.9	1640.0	1076.5	512.9
82.5°	1973.2	1811.5	1649.8	1898.2	2146.6	2133.0	1646.8	1358.0	1220.6	748.2	275.7
85°	1445.2	1380.4	1315.6	1535.3	1755.0	1567.4	1115.4	863.1	951.8	550.9	150.0
87.5°	704.8	805.2	905.0	1164.1	1422.8	1068.2	338.5	167.6	231.9	152.5	72.6
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: P320477
 CATALOG NUMBER: GLEON-SA3B-830-U-SLL

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: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6
2.5°	3795.4	3755.4	3710.1	3664.8	3613.2	3561.1	3530.4	3499.2	3465.6	3432.0	3394.0
5°	3475.9	3392.1	3297.1	3202.1	3108.1	3014.1	2963.4	2912.8	2859.2	2805.1	2758.4
7.5°	3017.0	2894.8	2763.2	2631.2	2514.3	2397.0	2324.4	2251.3	2185.1	2118.3	2062.3
10°	2613.2	2457.4	2325.4	2192.9	2104.7	2016.5	1949.8	1883.1	1818.8	1754.0	1692.1
12.5°	2347.3	2191.4	2107.6	2023.8	1950.8	1877.7	1800.8	1723.3	1635.2	1546.5	1481.7
15°	2243.5	2101.8	2008.7	1915.2	1817.3	1718.9	1624.4	1529.9	1425.7	1321.5	1247.9
17.5°	2198.7	2013.1	1883.1	1752.5	1623.5	1494.4	1384.8	1275.2	1161.2	1047.2	972.7
20°	2151.5	1904.5	1730.1	1555.3	1389.7	1224.1	1099.8	975.6	873.8	772.0	715.0
22.5°	2108.6	1789.1	1570.4	1351.2	1155.4	959.6	837.8	715.5	653.2	590.8	567.9
25°	2091.1	1688.2	1419.4	1150.5	944.0	737.0	650.3	563.6	539.7	515.3	503.6
27.5°	2094.0	1598.1	1292.2	985.9	799.8	613.7	554.3	494.9	480.3	465.2	457.9
30°	2105.2	1500.2	1172.4	844.6	691.2	537.7	499.3	460.3	444.7	429.1	419.9
32.5°	2117.9	1412.6	1079.9	746.7	621.5	495.9	464.2	432.0	416.9	401.8	392.6
35°	2095.9	1341.0	1016.6	692.2	576.7	460.8	434.0	406.7	390.2	373.6	364.8
37.5°	2058.9	1268.9	967.4	665.4	547.5	429.1	409.6	389.7	372.6	355.1	346.8
40°	2025.3	1208.0	930.8	653.2	531.4	409.2	392.6	376.0	358.5	340.5	330.7
42.5°	1998.0	1167.1	894.8	622.5	516.8	410.6	387.2	363.4	346.3	329.3	318.6
45°	1977.6	1140.3	866.5	592.8	503.2	413.5	383.8	354.1	337.1	319.5	306.9
47.5°	1975.6	1126.1	846.6	567.0	477.3	387.2	375.1	362.9	338.0	312.7	298.1
50°	2002.4	1103.3	823.2	542.6	452.5	362.4	379.0	395.0	352.7	309.8	291.3
52.5°	2058.4	1062.8	786.2	509.5	422.3	334.6	360.4	385.8	349.2	312.2	288.4
55°	2126.1	1003.4	730.1	456.4	382.4	307.8	330.7	353.1	330.2	306.9	278.1
57.5°	2168.5	928.4	659.5	390.6	337.6	284.5	297.6	310.3	301.0	291.8	262.5
60°	2143.2	828.5	580.1	331.2	298.1	265.0	262.5	259.6	273.3	286.9	253.3
62.5°	2019.5	725.3	510.0	294.7	269.8	244.5	239.2	233.3	255.7	277.6	242.1
65°	1810.5	653.2	465.7	278.1	250.4	222.6	216.8	210.9	217.7	224.5	208.0
67.5°	1545.0	608.9	440.3	271.8	238.2	204.1	197.3	190.5	189.0	187.5	181.7
70°	1271.3	581.6	423.8	265.9	225.0	183.6	177.3	171.0	169.0	166.6	162.2
72.5°	1062.8	578.2	421.8	265.5	214.3	163.2	157.3	151.5	149.0	146.1	142.7
75°	870.4	542.6	400.4	258.2	199.7	140.8	135.4	130.1	128.1	125.7	122.7
77.5°	645.9	449.1	336.6	224.1	171.0	117.9	112.5	106.7	106.2	105.2	102.8
80°	418.9	324.9	240.6	156.4	124.7	92.5	88.2	83.3	83.8	84.3	82.3
82.5°	232.8	189.5	147.1	104.7	85.2	65.8	63.8	61.4	62.8	63.8	61.4
85°	122.7	95.5	78.9	62.3	49.2	36.0	36.0	35.6	37.5	39.5	37.5
87.5°	53.1	33.6	28.7	23.4	13.2	2.4	2.9	2.9	3.9	4.9	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

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: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6
2.5°	3355.5	3320.0	3283.9	3244.5	3251.8	3221.6	3191.4	3172.4	3153.4	3147.6	3141.7
5°	2711.6	2671.2	2630.3	2593.7	2625.4	2604.0	2582.5	2579.6	2576.2	2576.2	2575.7
7.5°	2006.3	1963.0	1919.1	1888.9	1920.1	1916.2	1912.3	1933.3	1954.2	1971.2	1987.8
10°	1630.3	1577.7	1524.6	1479.8	1472.0	1449.6	1426.7	1431.6	1435.9	1454.4	1473.0
12.5°	1416.9	1354.1	1291.3	1238.7	1214.8	1177.8	1140.3	1116.9	1093.5	1095.9	1097.9
15°	1173.9	1113.0	1051.6	1006.3	991.2	962.5	933.7	904.5	874.8	862.6	850.0
17.5°	897.7	849.0	799.8	769.6	769.6	761.3	753.0	738.4	723.3	711.1	698.5
20°	658.1	632.2	605.9	593.3	597.2	597.7	597.7	605.0	612.3	608.4	604.5
22.5°	544.6	535.3	526.1	520.7	522.6	523.1	523.6	530.4	536.8	541.6	546.0
25°	491.5	485.6	479.8	477.8	482.2	482.7	482.7	487.1	491.5	496.3	501.2
27.5°	450.1	447.6	445.2	441.8	446.2	446.2	445.7	450.6	454.9	459.3	463.2
30°	410.6	411.6	412.1	411.1	414.0	416.0	417.4	420.8	423.8	427.2	430.6
32.5°	382.9	381.4	379.9	379.0	385.3	388.7	392.1	395.5	398.4	399.9	401.4
35°	356.1	352.7	349.2	346.8	352.7	357.0	361.4	367.8	373.6	374.6	375.5
37.5°	338.0	333.7	329.3	326.3	328.8	330.7	332.7	339.5	346.3	350.2	353.6
40°	321.0	316.6	312.2	309.8	311.2	311.7	312.2	315.6	318.6	325.9	332.7
42.5°	307.4	302.0	296.6	293.7	294.7	295.7	296.1	295.7	295.2	302.0	308.8
45°	293.7	287.9	282.0	278.6	279.1	279.1	279.1	278.1	276.7	280.1	283.5
47.5°	283.0	276.2	269.4	265.9	265.0	264.0	263.0	262.5	261.6	264.0	265.9
50°	272.3	265.0	257.2	253.3	250.9	249.9	248.9	248.4	247.4	249.9	251.8
52.5°	264.0	255.2	246.5	240.1	237.7	236.2	234.8	235.3	235.3	236.2	236.7
55°	249.4	241.6	233.3	228.9	224.5	223.6	222.6	224.1	225.0	225.0	225.0
57.5°	233.3	226.0	218.2	215.3	211.4	211.4	210.9	212.9	214.3	215.3	216.3
60°	219.2	210.9	202.6	200.2	198.7	198.2	197.8	200.2	202.1	204.1	206.0
62.5°	206.0	197.3	188.5	185.6	185.1	185.6	185.6	188.0	190.0	191.9	193.9
65°	191.4	182.7	173.4	170.5	171.5	172.9	174.4	176.3	177.8	179.7	181.7
67.5°	175.4	168.0	160.3	157.3	157.8	159.8	161.7	163.2	164.1	166.1	168.0
70°	157.8	151.5	145.2	143.2	142.7	145.2	147.1	148.1	149.0	151.5	153.4
72.5°	138.8	133.5	128.1	126.6	127.1	128.6	130.1	131.5	132.5	134.9	136.9
75°	119.3	114.5	109.6	108.6	109.6	111.1	112.5	113.5	114.5	117.4	119.8
77.5°	100.3	95.0	89.1	88.6	90.1	91.6	92.5	94.0	95.5	99.4	103.3
80°	80.4	74.5	68.2	67.7	69.2	70.6	72.1	73.6	75.0	79.9	84.3
82.5°	58.9	52.1	45.3	44.3	49.2	50.7	52.1	54.6	56.5	60.9	65.3
85°	35.6	28.7	21.9	21.4	25.8	28.3	30.7	33.6	36.0	39.9	43.8
87.5°	3.9	1.9	0.0	0.0	0.5	2.4	4.4	6.8	9.3	13.2	16.6
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: P320477
 CATALOG NUMBER: GLEON-SA3B-830-U-SLL

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: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6
2.5°	3120.3	3098.4	3120.8	3142.7	3151.9	3161.2	3137.3	3113.0	3151.0	3188.5	3198.2
5°	2556.2	2536.3	2551.4	2566.0	2533.3	2500.7	2497.3	2493.4	2521.7	2549.9	2554.3
7.5°	1981.5	1975.1	1989.3	2003.4	1962.0	1920.1	1899.6	1879.2	1886.0	1892.8	1891.8
10°	1477.3	1481.2	1498.8	1515.8	1483.7	1451.5	1437.4	1423.3	1438.9	1454.0	1468.1
12.5°	1106.7	1114.9	1133.5	1151.5	1138.3	1124.7	1126.1	1127.6	1145.6	1163.2	1178.8
15°	859.7	869.5	882.6	895.3	895.8	895.8	908.4	920.6	919.1	917.7	928.4
17.5°	711.6	724.3	725.8	727.2	727.7	728.2	727.2	726.2	718.9	711.6	719.9
20°	609.3	613.7	617.6	621.0	616.7	611.8	599.6	587.4	582.6	577.7	585.5
22.5°	554.3	562.1	558.2	553.8	545.1	535.8	526.5	516.8	516.3	515.3	519.7
25°	508.0	514.4	507.5	500.7	494.4	488.1	481.7	475.4	474.9	474.4	476.4
27.5°	469.6	475.4	469.1	462.7	457.4	452.0	447.1	442.3	441.3	440.3	440.8
30°	436.4	441.8	436.4	430.6	426.7	422.3	418.9	415.5	415.0	414.5	414.5
32.5°	406.7	412.1	408.2	404.3	400.9	397.5	395.0	392.6	390.2	387.7	382.4
35°	380.9	386.3	383.8	380.9	377.0	373.1	368.7	363.9	357.5	350.7	347.8
37.5°	359.0	364.3	361.9	359.5	354.1	348.8	341.0	332.7	330.7	328.3	327.8
40°	341.4	349.7	344.9	339.5	331.2	322.9	319.0	315.1	314.2	313.2	312.2
42.5°	322.0	334.6	325.9	317.1	309.3	301.5	300.5	299.6	299.1	298.6	298.6
45°	297.6	311.2	302.5	293.2	288.8	284.5	284.5	284.5	284.9	284.9	285.9
47.5°	274.7	283.0	278.6	274.2	271.8	269.4	269.8	270.3	271.8	272.8	275.2
50°	255.2	258.2	259.1	259.6	258.2	256.7	257.7	258.2	259.6	260.6	262.5
52.5°	241.1	245.5	245.5	245.0	245.0	245.0	246.0	247.0	248.4	249.9	251.8
55°	231.9	238.2	236.2	234.3	234.8	234.8	235.8	236.7	238.2	239.2	242.1
57.5°	223.1	229.9	228.0	226.0	226.0	226.0	226.5	227.0	228.4	229.4	231.4
60°	212.9	219.7	217.7	215.3	215.8	216.3	216.8	216.8	217.7	218.2	218.2
62.5°	200.7	207.5	205.6	203.1	204.6	205.6	205.6	205.6	206.5	207.0	205.6
65°	188.0	194.3	192.4	190.5	192.4	193.9	194.8	195.3	194.8	194.3	192.9
67.5°	174.4	180.7	178.8	176.3	178.8	180.7	182.7	184.1	182.7	181.2	179.2
70°	159.8	166.1	163.7	161.2	163.7	166.1	168.0	170.0	168.0	166.1	165.6
72.5°	144.2	151.5	148.6	145.6	148.6	151.5	152.5	153.4	152.0	150.5	149.5
75°	127.1	134.4	132.0	129.1	131.5	133.9	134.4	134.9	134.9	134.4	131.5
77.5°	109.1	115.0	113.5	112.0	113.5	115.0	115.0	115.0	115.4	115.4	111.5
80°	87.7	91.1	91.6	92.1	92.5	93.0	92.5	92.1	91.1	90.1	87.7
82.5°	65.3	65.3	69.2	72.6	72.6	72.1	71.6	70.6	68.7	66.2	60.9
85°	41.4	39.0	45.3	51.1	51.1	50.7	49.7	48.2	44.3	39.9	35.6
87.5°	14.1	11.7	18.0	24.4	24.8	24.8	23.9	22.9	19.0	14.6	11.2
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: P320477
 CATALOG NUMBER: GLEON-SA3B-830-U-SLL

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: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6
2.5°	3212.8	3219.2	3225.0	3272.7	3320.0	3375.5	3431.0	3473.4	3515.3	3558.7	3602.0
5°	2569.4	2577.2	2585.0	2642.9	2700.4	2777.9	2855.3	2922.0	2988.8	3067.2	3145.6
7.5°	1904.5	1921.6	1938.1	2000.0	2061.4	2144.6	2227.5	2314.6	2401.3	2503.6	2605.9
10°	1495.8	1528.0	1559.7	1623.0	1686.3	1768.6	1850.4	1941.5	2032.6	2133.4	2233.8
12.5°	1210.9	1253.8	1296.1	1372.1	1448.1	1546.5	1644.4	1745.7	1846.5	1935.2	2023.8
15°	956.6	1003.4	1049.7	1130.0	1210.4	1318.5	1426.2	1536.8	1646.8	1753.0	1859.2
17.5°	746.2	784.7	822.7	890.9	958.6	1063.3	1168.0	1284.0	1399.9	1529.5	1658.5
20°	602.0	618.1	634.2	683.4	732.1	817.3	902.1	1020.4	1138.8	1293.7	1448.6
22.5°	527.5	535.8	543.6	567.5	590.8	645.9	700.4	805.2	909.4	1078.4	1246.9
25°	482.7	489.0	495.4	511.0	526.5	552.8	579.1	652.7	726.2	892.3	1058.0
27.5°	442.3	452.0	461.3	468.6	475.4	493.4	511.0	559.2	607.4	762.3	916.7
30°	413.1	416.5	419.9	431.1	441.8	460.3	478.8	512.4	546.0	677.1	807.6
32.5°	379.0	383.8	388.7	400.4	412.1	429.1	446.2	473.4	500.2	612.3	723.8
35°	348.3	353.1	358.0	369.7	380.9	399.4	417.4	440.3	462.7	560.2	657.6
37.5°	329.3	334.1	339.0	349.2	359.0	377.5	395.5	413.5	431.1	521.2	611.3
40°	313.2	318.1	322.9	332.7	341.9	360.0	377.5	392.6	407.7	492.0	576.2
42.5°	299.1	304.4	309.8	319.5	328.8	344.9	360.9	380.9	400.4	466.6	532.4
45°	287.4	292.7	297.6	308.3	319.0	334.6	350.2	378.0	405.7	453.5	501.2
47.5°	276.7	282.5	287.9	299.6	311.2	330.7	349.7	373.1	396.0	443.2	490.5
50°	266.4	273.3	280.1	294.2	307.8	340.5	372.6	376.0	379.0	435.0	490.5
52.5°	256.7	264.5	272.3	289.8	306.9	344.9	382.9	370.7	358.0	419.4	480.8
55°	247.0	253.8	260.1	281.5	303.0	330.7	358.5	342.4	325.9	390.2	454.5
57.5°	233.8	241.1	247.9	270.8	293.7	313.2	332.2	317.6	302.5	357.0	411.1
60°	220.2	228.4	236.7	265.9	294.7	291.3	287.4	284.5	281.0	320.0	359.0
62.5°	208.0	216.8	225.5	263.5	301.5	278.1	254.7	257.2	259.1	287.9	316.6
65°	195.8	204.6	212.9	231.9	250.9	241.6	232.3	236.2	239.6	267.9	296.1
67.5°	182.2	190.0	197.3	203.6	209.9	210.9	211.9	215.8	219.7	253.3	286.4
70°	167.1	173.4	179.7	184.1	188.0	190.0	191.4	196.3	201.2	237.7	274.2
72.5°	150.0	155.4	160.3	164.1	168.0	169.5	170.5	175.4	180.2	219.2	258.2
75°	131.5	135.9	139.8	143.2	146.6	148.6	150.5	153.9	157.3	199.7	241.6
77.5°	111.1	115.4	119.3	122.3	124.7	126.6	128.1	132.5	136.9	172.4	207.5
80°	86.7	92.1	96.9	99.4	101.3	101.8	101.8	105.7	109.6	134.9	159.8
82.5°	61.4	67.2	72.6	74.5	76.5	76.5	76.5	80.9	85.2	102.3	118.8
85°	36.0	42.4	48.2	50.2	52.1	53.1	53.6	55.5	57.0	69.2	80.9
87.5°	11.2	16.6	21.4	22.4	23.4	25.3	27.3	27.8	27.8	36.0	44.3
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: P320477
 CATALOG NUMBER: GLEON-SA3B-830-U-SLL

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: P320477

CATALOG NUMBER: GLEON-SA3B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6	3711.6
2.5°	3651.7	3701.4	3759.3	3816.8	3866.0	3915.2	3956.1
5°	3245.5	3345.3	3467.6	3589.3	3698.0	3806.6	3932.7
7.5°	2735.0	2864.1	3022.4	3180.7	3334.1	3487.1	3680.9
10°	2365.3	2496.3	2663.9	2831.0	3003.4	3175.3	3394.5
12.5°	2130.5	2236.7	2398.9	2561.1	2763.7	2965.9	3176.8
15°	1975.6	2091.6	2249.4	2407.2	2628.8	2850.4	3093.0
17.5°	1810.5	1962.0	2164.1	2366.3	2628.8	2890.9	3176.8
20°	1637.6	1826.1	2088.1	2350.2	2703.8	3057.0	3421.8
22.5°	1465.2	1683.4	2019.5	2355.1	2817.3	3279.1	3771.5
25°	1309.8	1561.6	1977.6	2393.1	2982.4	3571.3	4182.1
27.5°	1191.9	1466.6	1960.5	2453.9	3191.9	3929.8	4628.8
30°	1087.2	1366.8	1940.1	2513.4	3393.5	4273.2	4978.0
32.5°	996.6	1269.4	1900.6	2531.4	3534.3	4537.2	5273.7
35°	925.5	1193.4	1834.4	2475.4	3622.5	4769.6	5581.5
37.5°	864.1	1116.9	1758.9	2400.9	3700.9	5000.9	5927.9
40°	805.6	1035.1	1694.1	2352.6	3809.0	5265.4	6293.7
42.5°	750.1	967.8	1642.0	2316.1	3909.4	5502.1	6613.7
45°	708.7	916.2	1595.7	2274.7	3974.1	5673.6	6854.8
47.5°	688.3	885.5	1570.9	2255.7	4038.9	5821.7	7055.0
50°	685.3	880.2	1599.1	2318.1	4179.2	6039.9	7283.9
52.5°	684.8	888.9	1680.5	2472.0	4439.8	6407.2	7531.8
55°	674.6	894.3	1777.4	2660.0	4789.5	6918.6	7977.5
57.5°	643.4	875.8	1877.2	2878.2	5159.2	7439.8	8479.7
60°	595.2	831.0	1959.6	3087.6	5407.6	7727.2	8673.1
62.5°	534.8	752.6	1986.8	3220.6	5400.8	7581.0	8478.2
65°	483.2	670.2	1897.2	3123.7	5127.6	7131.0	8093.0
67.5°	437.4	587.9	1673.1	2757.9	4636.1	6513.8	7603.0
70°	404.3	533.8	1384.3	2234.8	4020.9	5806.6	7035.5
72.5°	383.3	508.0	1128.6	1748.6	3263.0	4776.9	6018.0
75°	354.6	467.6	885.5	1303.0	2497.3	3691.6	4545.5
77.5°	301.0	394.1	667.3	940.6	1832.4	2723.8	3161.2
80°	232.3	304.4	458.8	613.2	1261.1	1908.9	2155.4
82.5°	165.6	212.4	278.1	343.9	837.8	1331.2	1351.7
85°	102.3	123.7	159.3	194.8	554.3	913.8	761.3
87.5°	55.0	65.8	84.3	102.3	177.3	252.3	145.2
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: P320477
 CATALOG NUMBER: GLEON-SA3B-830-U-SLL

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

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.

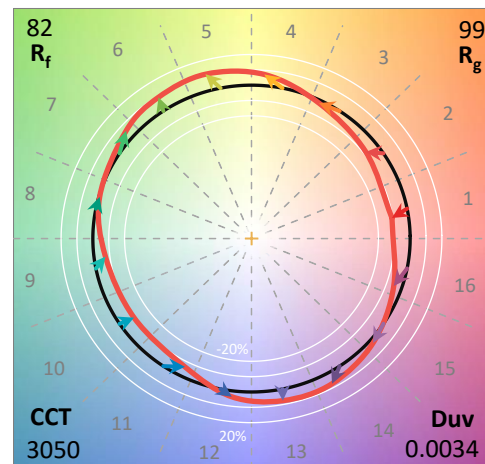
Test Information

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



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 ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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

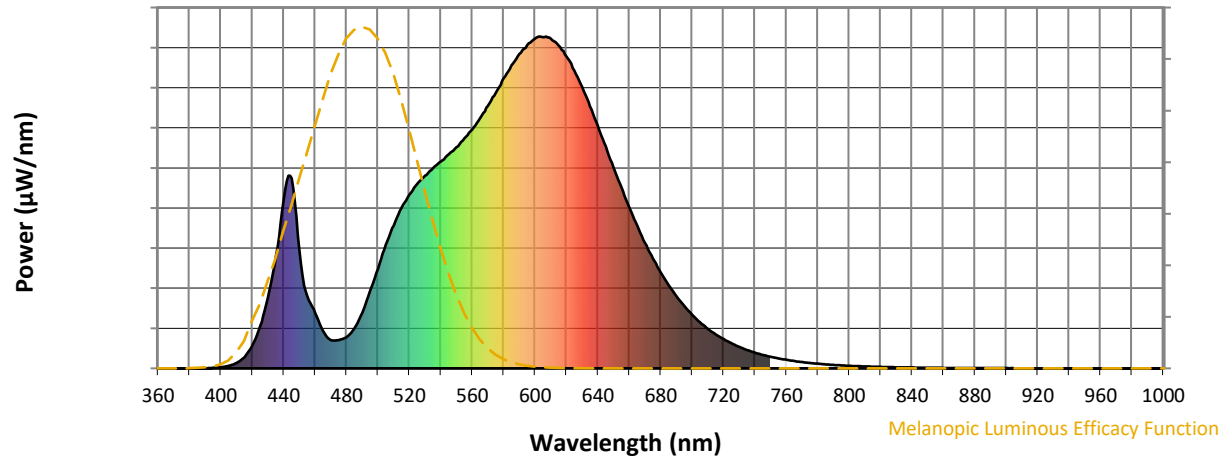


Scotopic Lumens: NR

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 $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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

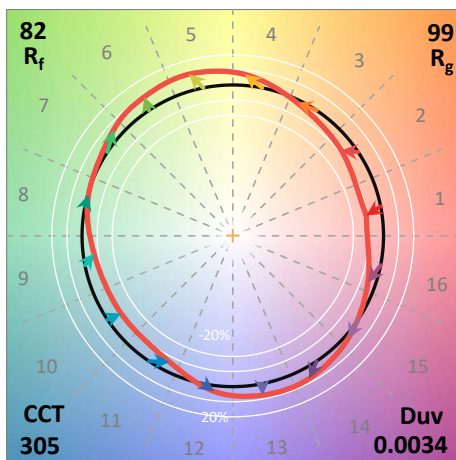
TM-30-18

Summary

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



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)