

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: P383282

Luminaire Tested: **GLEON-SA6A-735-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6A-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19248.6 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

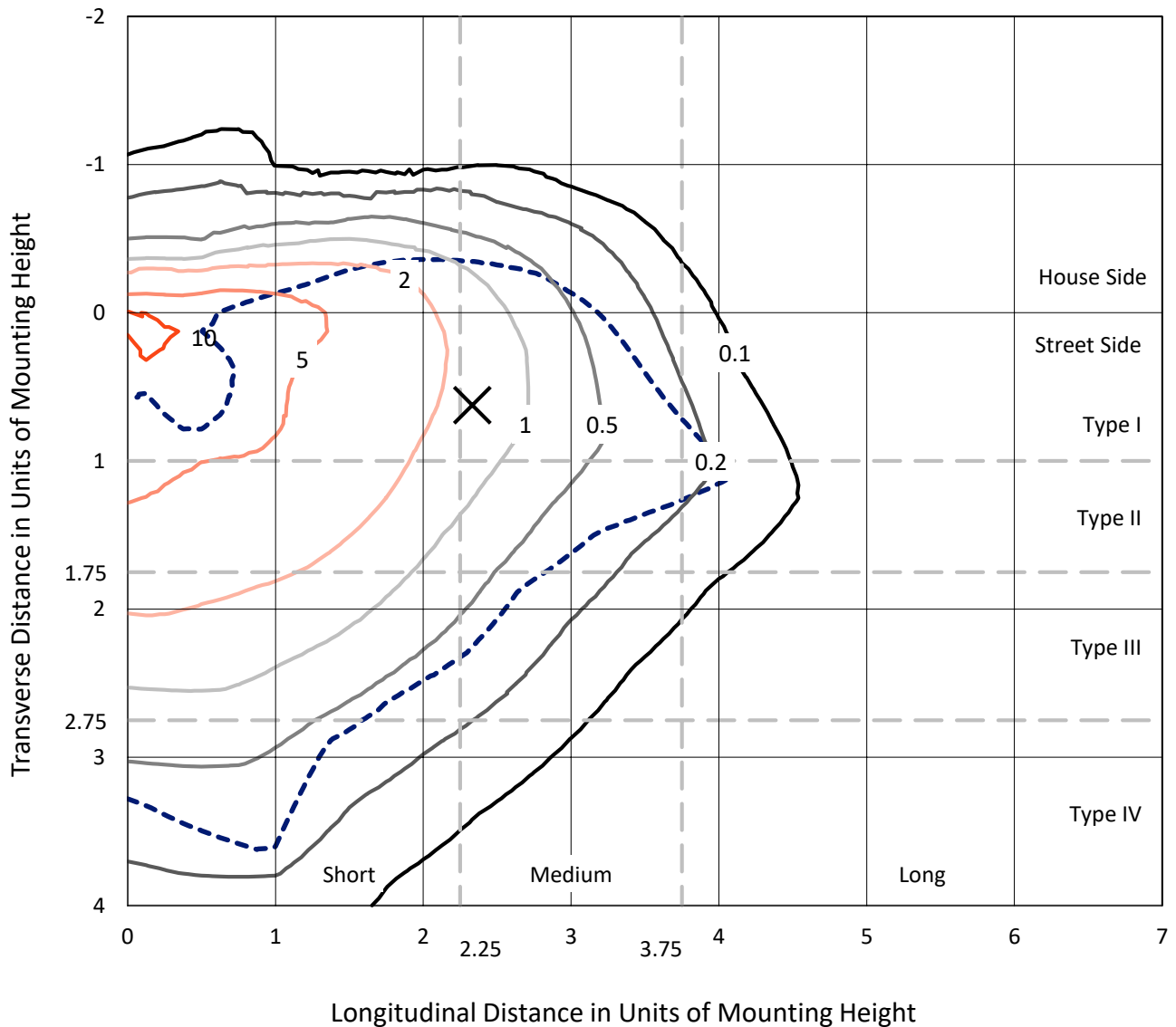
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383282
 CATALOG NUMBER: GLEON-SA6A-735-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

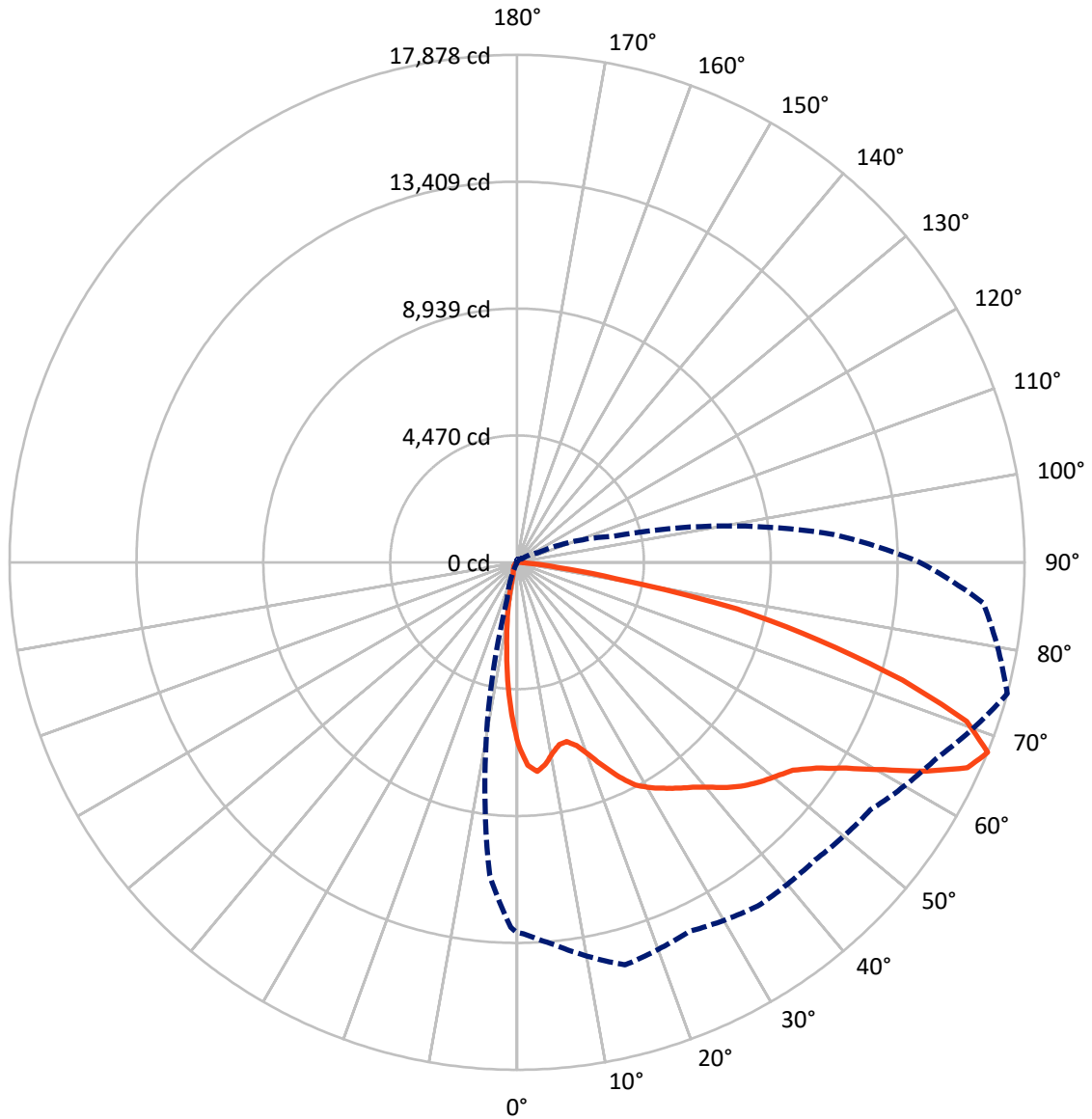
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P383282
CATALOG NUMBER: GLEON-SA6A-735-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P383282
 CATALOG NUMBER: GLEON-SA6A-735-U-SLL-HSS

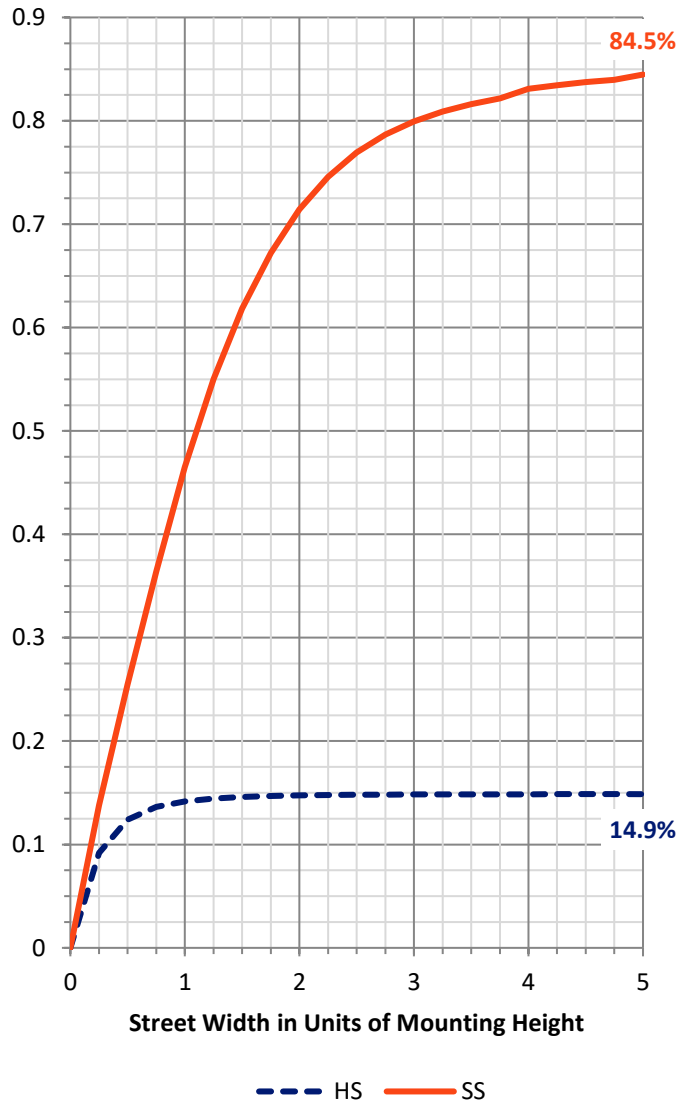
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2888.5	0.0	2888.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	16360.1	0.0	16360.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	19248.6	0.0	19248.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.8	2.5
10°-20°	964.5	5.0
20°-30°	1364.5	7.1
30°-40°	2006.2	10.4
40°-50°	2883.5	15.0
50°-60°	4059.3	21.1
60°-70°	4740.9	24.6
70°-80°	2418.6	12.6
80°-90°	321.3	1.7
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°	19248.6	100.0
0°-180°	19248.6	100.0

Coefficient of Utilization

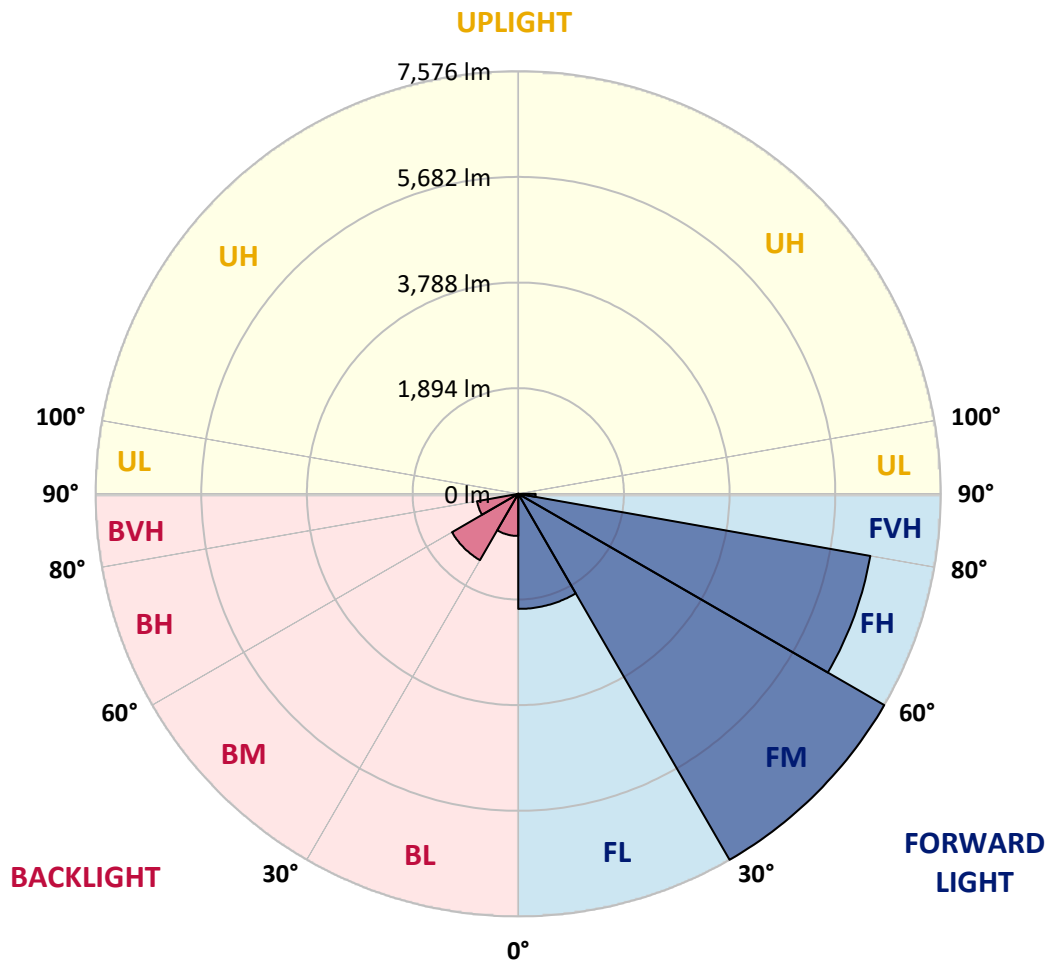


REPORT NUMBER: P383282
 CATALOG NUMBER: GLEON-SA6A-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2063.4	10.7			
FM (30°-60°)	7575.9	39.4			
FH (60°-80°)	6409.2	33.3			G3/7500
FVH (80°-90°)	311.6	1.6			G3/500
BL (0°-30°)	755.4	3.9	B2/1000		
BM (30°-60°)	1373.1	7.1	B2/2500		
BH (60°-80°)	750.3	3.9	B2/1000		G2/1000
BVH (80°-90°)	9.7	0.1			G0/10
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: P383282

CATALOG NUMBER: GLEON-SA6A-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6
2.5°	7000.1	7011.0	7067.6	7198.9	7342.0	7353.0	7449.7	7350.3	7316.5	7156.1	6990.1
5°	7053.0	7094.9	7289.2	7674.8	8009.5	8117.1	8193.7	7998.5	7793.4	7401.3	6982.8
7.5°	6627.1	6697.4	7002.8	7726.8	8325.0	8589.4	8639.5	8334.1	7831.7	7186.1	6557.0
10°	6081.9	6162.1	6530.5	7420.4	8242.1	8695.2	8764.5	8364.2	7642.0	6837.8	6096.5
12.5°	5640.6	5734.5	6111.0	7075.8	7956.6	8458.1	8594.9	8263.0	7477.9	6590.7	5781.9
15°	5437.3	5544.9	5940.6	6853.3	7640.2	8035.1	8148.1	8005.0	7386.7	6551.5	5709.0
17.5°	5554.0	5670.7	6079.2	6872.5	7342.9	7511.6	7602.8	7661.1	7386.7	6787.6	5922.3
20°	6032.6	6158.5	6590.7	7066.6	7096.7	7033.8	7131.4	7336.6	7472.4	7236.3	6434.8
22.5°	6694.7	6842.3	7330.2	7399.5	6976.4	6738.4	6751.2	7073.1	7628.4	7805.3	7146.0
25°	7501.6	7682.2	8178.1	7895.5	7026.6	6562.4	6557.9	6856.0	7780.7	8375.2	7938.4
27.5°	8303.1	8501.9	8937.7	8500.9	7233.6	6530.5	6521.4	6790.4	7929.2	8882.1	8803.7
30°	8975.1	9168.4	9544.1	8939.6	7456.9	6605.3	6561.5	6860.6	8017.7	9211.3	9434.7
32.5°	9522.2	9677.2	9980.9	9241.4	7695.8	6750.3	6655.4	7048.5	8168.2	9489.4	10014.6
35°	10124.1	10287.3	10408.6	9528.6	7963.9	6959.0	6823.2	7346.6	8399.8	9772.0	10650.1
37.5°	10810.6	10973.0	10958.4	9791.2	8304.0	7304.6	7218.0	7818.9	8759.9	10052.0	11359.6
40°	11482.6	11648.6	11530.0	10078.4	8703.4	7874.6	7810.7	8528.3	9242.3	10410.3	12191.2
42.5°	12111.8	12291.4	12037.9	10350.1	9179.4	8593.1	8702.5	9442.0	9845.9	10851.7	12907.8
45°	12618.7	12802.1	12463.7	10614.6	9680.9	9464.8	9793.9	10454.1	10571.8	11224.6	13392.0
47.5°	12987.2	13160.4	12759.2	10879.0	10322.8	10530.7	11104.2	11515.5	11227.3	11548.3	13735.8
50°	13222.4	13357.4	12845.9	11210.1	11165.3	11774.4	12469.2	12669.9	11844.6	11840.1	14153.4
52.5°	13372.0	13433.0	12909.7	11555.6	12044.4	13128.5	13806.0	13868.9	12480.2	12161.1	14716.0
55°	13887.1	13936.4	13361.9	11974.1	12771.1	14314.8	15015.1	14956.7	13199.7	12789.3	15379.8
57.5°	14766.1	14818.1	14296.6	12575.9	13359.2	15047.9	15891.4	15996.2	14043.1	13672.0	16091.0
60°	15207.4	15304.1	15118.1	13338.2	13929.1	15516.6	16488.6	16823.2	15097.1	14835.5	16780.3
62.5°	14807.1	14947.6	15217.5	14183.5	14495.3	15774.6	16674.6	17119.6	16176.7	16191.3	17205.3
65°	14008.4	14120.6	14578.3	14646.7	14823.6	15742.7	16215.1	16705.6	16837.8	17436.9	17182.5
67.5°	13043.7	13085.6	13474.1	14683.1	14347.6	14783.5	14834.5	15197.5	16315.3	17878.2	16492.2
70°	11655.0	11677.8	12017.0	13462.3	12329.8	12425.4	12349.8	12423.7	14026.7	16803.2	14749.8
72.5°	9379.9	9437.4	9919.8	11180.0	8982.4	8706.2	9300.7	9267.8	10802.4	14196.2	10954.7
75°	6906.2	7005.6	7734.1	9005.2	6304.3	5702.6	6136.6	6252.4	7679.4	10981.2	6850.6
77.5°	4835.4	4909.3	5615.0	6619.9	4562.8	4077.7	3920.9	4058.6	5068.8	7943.9	3451.3
80°	2785.6	2813.0	3263.4	3822.4	3074.7	3517.8	3186.8	3281.7	3037.3	3534.3	1484.4
82.5°	1822.8	1827.3	2003.3	2275.0	1914.8	2224.8	1646.8	2105.4	1868.3	1419.7	483.3
85°	984.7	990.2	1161.6	1614.8	1084.1	612.8	360.1	739.5	1155.3	325.5	132.2
87.5°	108.5	99.4	350.2	587.2	300.9	55.6	19.2	83.0	185.1	21.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P383282

CATALOG NUMBER: GLEON-SA6A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6
2.5°	6905.3	6829.5	6640.8	6441.2	6280.7	6130.2	5978.9	5793.8	5650.6	5621.4	5574.0
5°	6757.5	6517.8	6122.0	5724.5	5404.4	5000.5	4744.3	4544.6	4349.4	4337.6	4298.3
7.5°	6241.5	5925.9	5368.9	4819.0	4368.6	3983.8	3595.3	3335.5	3131.2	3059.2	3016.4
10°	5745.4	5390.8	4695.0	4067.7	3665.5	3325.4	3051.8	2780.2	2534.0	2364.4	2287.8
12.5°	5399.0	5006.9	4240.0	3699.3	3411.1	3088.4	2754.6	2415.4	2131.8	1927.6	1802.6
15°	5264.9	4846.4	4087.7	3553.4	3197.8	2789.2	2362.6	1975.0	1660.5	1475.3	1363.2
17.5°	5424.5	4937.6	4075.9	3375.6	2878.7	2370.8	1899.3	1441.6	1145.2	1004.9	932.8
20°	5829.3	5227.5	4071.3	3157.7	2499.3	1874.7	1286.6	948.3	768.7	690.3	656.6
22.5°	6402.0	5597.7	4107.8	2942.5	2104.5	1339.5	888.1	696.6	604.6	562.6	543.5
25°	7138.7	6117.5	4210.8	2747.3	1733.4	999.4	692.0	583.6	518.9	486.0	472.3
27.5°	7923.7	6715.6	4371.3	2577.8	1431.6	796.9	592.7	499.7	453.2	430.4	417.6
30°	8571.2	7408.6	4533.6	2389.0	1212.7	694.8	542.5	455.9	402.1	387.5	375.7
32.5°	9137.5	7932.9	4648.5	2218.5	1069.6	617.3	490.6	407.6	371.1	342.8	330.0
35°	9723.8	8369.7	4644.9	2099.1	971.1	558.9	446.8	364.7	320.9	288.1	278.1
37.5°	10358.3	8862.9	4565.5	1996.9	928.3	512.4	422.2	342.0	298.2	265.3	252.5
40°	11101.5	9380.9	4484.4	1901.2	916.4	475.1	404.9	323.7	277.2	245.3	232.5
42.5°	11825.5	9847.8	4413.2	1830.0	865.3	474.2	389.4	310.0	260.7	229.8	215.2
45°	12404.5	10282.7	4399.6	1787.2	811.6	490.6	381.2	300.9	248.0	217.1	203.4
47.5°	12885.9	10755.0	4487.1	1757.1	760.4	447.7	401.2	294.6	236.1	206.1	190.6
50°	13458.5	11335.0	4693.1	1707.9	706.7	403.0	459.5	296.3	226.2	195.2	178.8
52.5°	14257.3	12137.3	4995.9	1624.9	632.8	362.0	452.3	298.2	215.2	183.2	166.8
55°	15152.7	13139.5	5321.5	1487.2	529.8	308.2	387.5	285.4	194.2	170.5	155.0
57.5°	16093.8	14048.6	5514.8	1323.1	421.2	266.2	310.0	259.9	171.4	153.1	143.2
60°	16241.4	14394.1	5426.3	1121.6	334.6	231.6	229.8	264.5	153.1	135.0	127.6
62.5°	15874.0	13960.1	4998.7	941.9	279.9	203.4	188.7	230.7	138.6	120.4	113.1
65°	15167.4	12786.6	4305.6	848.9	259.9	174.2	156.9	162.3	121.3	104.9	98.5
67.5°	14184.4	11220.0	3535.1	796.0	257.1	149.5	134.0	123.1	104.9	91.2	85.7
70°	12174.8	9347.1	2820.3	766.8	249.8	125.9	113.1	100.3	87.6	77.5	72.9
72.5°	8960.6	6623.5	2193.9	734.9	251.7	100.3	98.5	83.0	70.2	60.2	58.3
75°	5177.4	3784.0	1438.9	595.4	239.8	77.5	82.1	58.3	49.3	41.9	41.9
77.5°	2759.2	2307.8	548.0	248.0	87.6	49.3	46.5	34.7	31.0	25.5	24.6
80°	1202.7	1015.8	165.1	69.3	48.3	26.5	17.3	15.5	13.7	10.9	10.1
82.5°	425.8	367.5	53.8	33.7	21.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	96.7	69.3	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P383282

CATALOG NUMBER: GLEON-SA6A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6
2.5°	5477.3	5457.3	5338.8	5343.4	5364.3	5394.4	5323.2	5356.1	5444.5	5529.3	5561.2
5°	4235.5	4240.0	4167.9	4212.6	4252.8	4280.1	4165.2	4167.1	4237.2	4333.0	4383.1
7.5°	2984.4	2977.1	2980.8	3087.4	3163.2	3108.4	3151.2	3002.7	3011.8	3080.2	3029.1
10°	2218.5	2118.2	2061.6	2141.9	2224.8	2194.7	2120.9	2072.6	2106.3	2182.0	2176.6
12.5°	1743.4	1599.4	1514.5	1457.1	1525.5	1469.0	1467.1	1425.2	1379.6	1387.8	1509.1
15°	1311.2	1206.4	1106.0	1014.0	1012.1	992.9	895.4	786.0	776.9	782.3	845.3
17.5°	901.8	866.2	825.2	745.9	724.9	644.6	549.8	506.1	484.2	494.2	515.1
20°	633.7	620.0	624.6	581.8	551.7	475.1	419.5	402.1	398.4	408.5	418.5
22.5°	525.2	500.6	497.8	478.7	448.6	393.0	362.9	352.9	348.3	357.4	364.7
25°	459.5	434.9	424.9	413.0	381.2	342.8	324.6	315.5	311.0	316.4	320.9
27.5°	404.9	382.0	372.9	364.7	333.8	306.4	291.8	283.6	279.9	281.8	286.4
30°	363.9	343.7	331.9	321.8	295.4	276.3	263.5	255.3	251.7	251.7	256.3
32.5°	320.9	310.0	299.1	286.4	261.7	248.9	236.1	227.0	223.4	224.3	227.9
35°	267.2	263.5	266.2	254.4	233.4	222.5	209.7	199.7	196.9	197.9	201.5
37.5°	237.1	220.7	230.7	224.3	212.5	197.9	181.5	172.3	167.8	170.5	172.3
40°	217.9	197.9	190.6	196.9	195.2	171.4	156.9	147.7	144.1	144.9	146.8
42.5°	201.5	177.8	161.4	160.5	171.4	149.5	134.0	125.9	121.3	121.3	123.1
45°	186.0	160.5	140.4	124.9	144.1	126.8	112.2	104.9	99.4	99.4	100.3
47.5°	174.2	145.9	122.2	102.1	108.5	104.0	92.1	84.8	79.4	79.4	80.2
50°	163.2	131.3	105.7	85.7	81.1	85.7	74.8	66.6	62.9	62.0	63.8
52.5°	151.4	116.7	90.3	72.9	63.8	64.7	58.3	52.9	48.3	48.3	50.1
55°	139.5	104.9	78.4	62.0	52.9	48.3	46.5	42.9	39.2	39.2	41.0
57.5°	127.6	92.1	66.6	51.0	41.9	38.3	38.3	35.6	32.8	32.8	34.7
60°	116.7	79.4	54.7	41.9	32.8	32.0	32.8	30.1	28.2	28.2	30.1
62.5°	104.0	67.4	44.7	34.7	26.5	25.5	28.2	26.5	24.6	24.6	26.5
65°	88.4	57.5	35.6	26.5	20.0	20.0	23.7	21.9	20.0	20.0	21.9
67.5°	74.8	48.3	27.4	19.2	14.6	15.5	20.0	18.3	17.3	17.3	19.2
70°	62.0	37.4	19.2	11.8	8.2	11.8	15.5	15.5	15.5	15.5	17.3
72.5°	46.5	25.5	10.9	4.6	3.6	8.2	12.8	14.6	13.7	13.7	16.4
75°	30.1	14.6	3.6	0.0	0.0	4.6	10.1	11.8	11.8	10.9	13.7
77.5°	17.3	4.6	0.0	0.0	0.0	0.0	6.4	5.5	4.6	3.6	6.4
80°	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P383282

CATALOG NUMBER: GLEON-SA6A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6	6457.6
2.5°	5689.8	5797.4	5948.8	6109.3	6356.3	6552.4	6744.8	6909.8	6973.7	7000.1
5°	4503.5	4661.3	4882.8	5167.3	5613.2	6014.4	6421.1	6830.5	7008.3	7053.0
7.5°	3231.5	3433.0	3714.8	4071.3	4593.8	5113.5	5681.6	6282.5	6557.9	6627.1
10°	2391.7	2638.0	2960.7	3336.3	3835.2	4369.5	4988.6	5675.2	5989.8	6081.9
12.5°	1696.9	2029.7	2461.9	2918.7	3351.0	3827.8	4454.3	5211.1	5541.2	5640.6
15°	996.7	1318.5	1830.0	2441.9	2995.4	3478.6	4115.1	4973.1	5336.9	5437.3
17.5°	571.7	732.2	1118.8	1800.9	2552.2	3221.5	4008.4	5032.4	5460.9	5554.0
20°	436.8	487.9	644.6	1159.9	2034.3	2968.9	4008.4	5367.9	5895.9	6032.6
22.5°	382.0	419.5	483.3	692.0	1497.2	2698.1	4054.9	5853.0	6543.3	6694.7
25°	339.2	372.9	427.7	520.6	1021.3	2376.2	4165.2	6448.5	7305.6	7501.6
27.5°	303.7	335.5	384.8	455.9	698.5	1987.8	4313.9	7146.9	8146.3	8303.1
30°	271.7	301.8	346.5	396.7	538.9	1547.4	4440.6	7805.3	8806.5	8975.1
32.5°	241.6	269.0	309.1	346.5	441.4	1144.3	4454.3	8326.8	9354.4	9522.2
35°	213.3	238.0	274.4	303.7	365.6	903.6	4241.8	8779.1	9902.4	10124.1
37.5°	186.0	209.7	241.6	263.5	321.8	736.8	3917.3	9283.3	10605.5	10810.6
40°	160.5	181.5	214.3	228.9	304.5	566.3	3564.4	9812.2	11294.8	11482.6
42.5°	136.8	156.9	188.7	217.1	267.2	423.1	3183.2	10308.2	11914.9	12111.8
45°	114.0	135.0	166.8	229.8	221.6	316.4	2775.6	10637.3	12404.5	12618.7
47.5°	92.1	115.8	159.6	218.8	176.9	232.5	2452.9	10949.2	12775.6	12987.2
50°	73.9	97.5	179.6	195.2	144.9	177.8	2317.9	11228.2	13019.1	13222.4
52.5°	60.2	82.1	169.6	149.5	121.3	146.8	2390.8	11680.5	13244.3	13372.0
55°	50.1	64.7	102.1	104.0	103.0	124.9	2481.1	12329.8	13827.0	13887.1
57.5°	43.8	52.0	71.1	80.2	86.6	111.2	2482.9	13261.6	14728.8	14766.1
60°	37.4	45.6	59.2	64.7	74.8	99.4	2392.7	13587.2	15083.4	15207.4
62.5°	32.8	40.1	49.3	53.8	62.9	89.3	2181.1	13115.7	14596.5	14807.1
65°	29.2	36.5	41.0	45.6	55.6	80.2	1832.8	12172.9	13788.7	14008.4
67.5°	25.5	32.0	36.5	41.0	50.1	71.1	1349.5	11077.8	12861.3	13043.7
70°	22.8	28.2	32.8	36.5	43.8	60.2	818.8	9400.1	11579.3	11655.0
72.5°	21.9	25.5	30.1	32.8	38.3	52.9	414.9	6908.0	9256.9	9379.9
75°	19.2	22.8	27.4	29.2	33.7	45.6	168.7	4537.3	6708.4	6906.2
77.5°	15.5	21.0	24.6	26.5	29.2	37.4	85.7	2899.6	4707.8	4835.4
80°	5.5	15.5	21.0	21.9	24.6	27.4	56.5	1587.5	2730.9	2785.6
82.5°	0.0	10.1	16.4	15.5	17.3	21.0	36.5	755.0	1802.6	1822.8
85°	0.0	4.6	12.8	10.1	7.3	14.6	12.8	165.1	945.5	984.7
87.5°	0.0	0.0	0.9	4.6	3.6	5.5	1.9	0.9	85.7	108.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)