

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: P383534

Luminaire Tested: **GLEON-SA8B-735-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383534
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-SA8B-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA 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: 31629.8 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 334
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

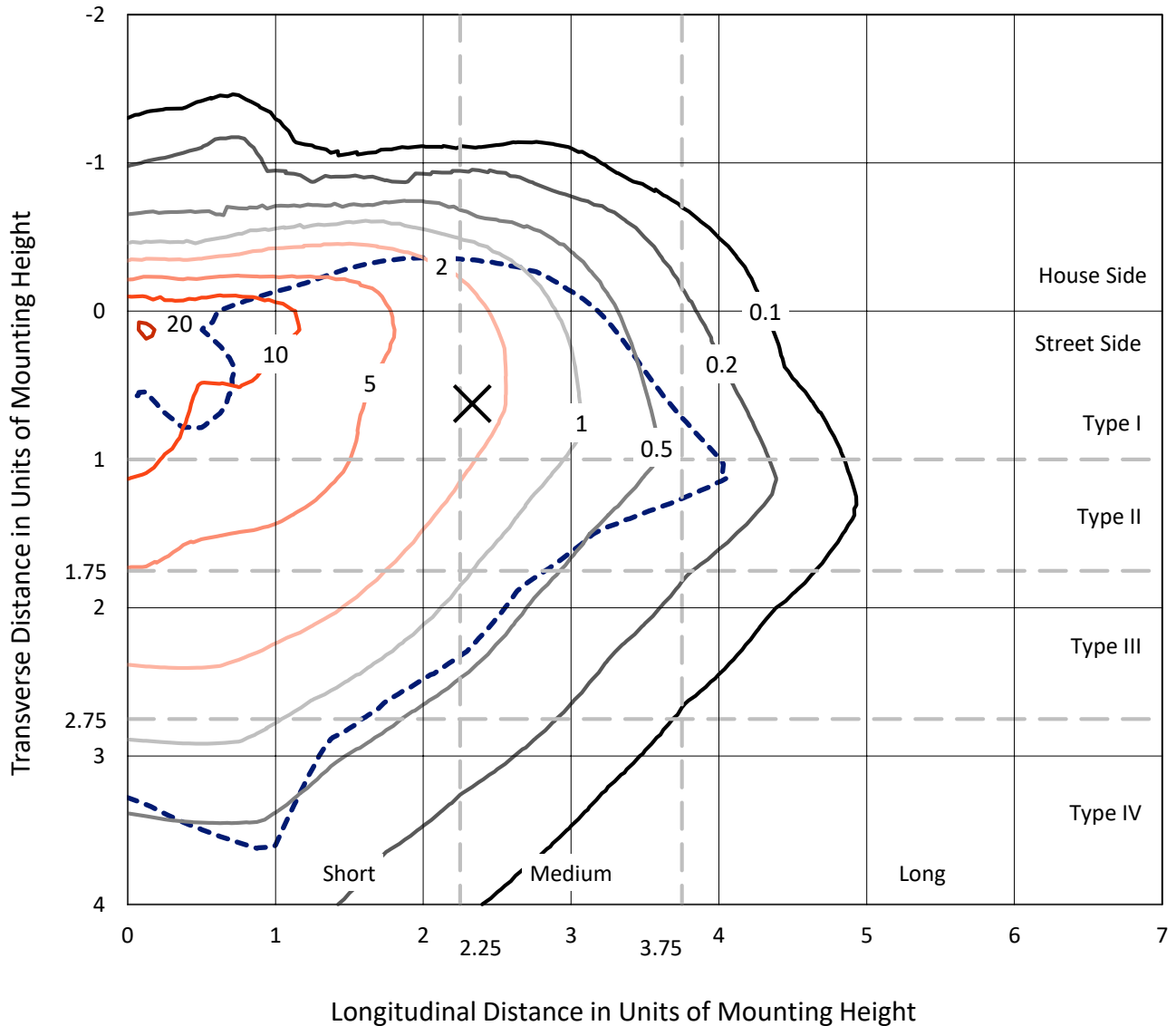




REPORT NUMBER: P383534
 CATALOG NUMBER: GLEON-SA8B-735-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

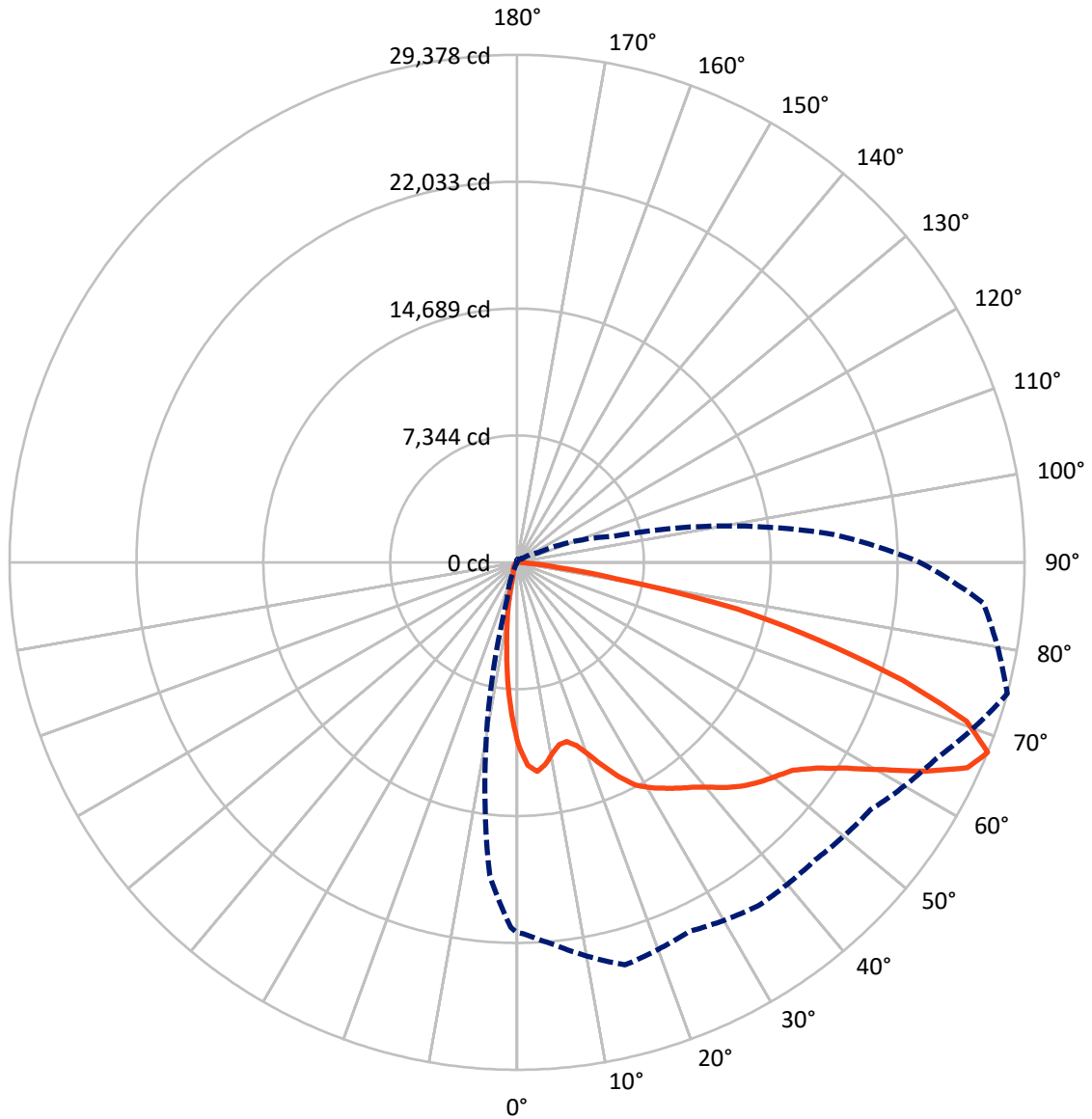
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22 fc
 Type III - Medium - N/A

REPORT NUMBER: P383534
CATALOG NUMBER: GLEON-SA8B-735-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P383534
 CATALOG NUMBER: GLEON-SA8B-735-U-SLL-HSS

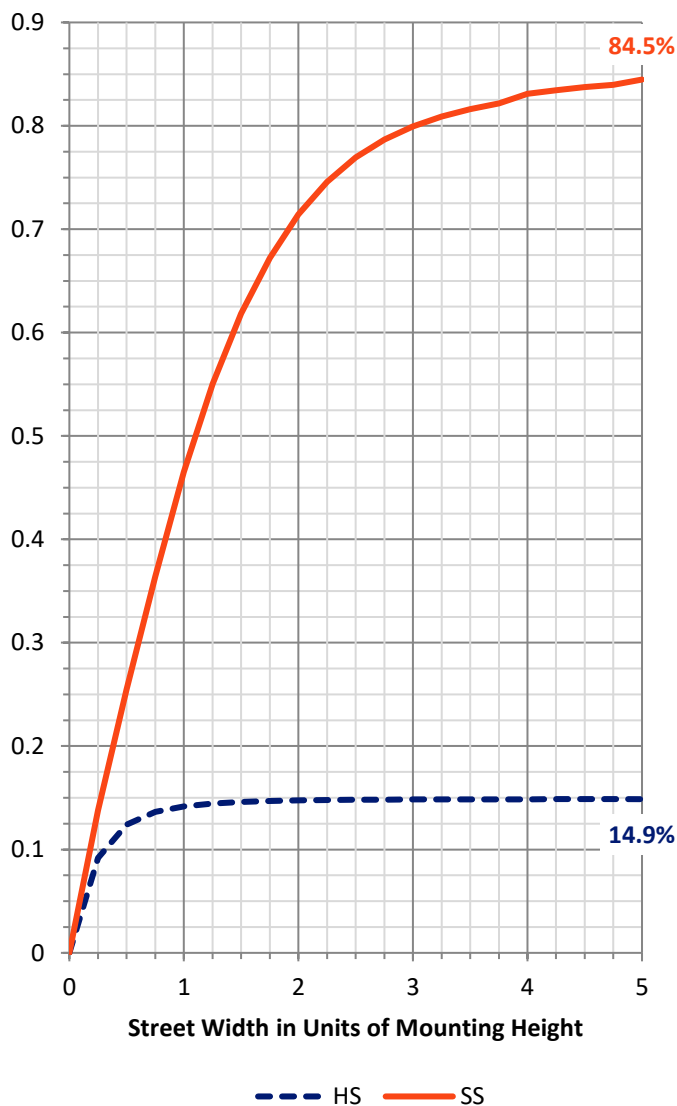
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4746.4	0.0	4746.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	26883.4	0.0	26883.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	31629.8	0.0	31629.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.9	2.5
10°-20°	1584.9	5.0
20°-30°	2242.2	7.1
30°-40°	3296.6	10.4
40°-50°	4738.3	15.0
50°-60°	6670.3	21.1
60°-70°	7790.3	24.6
70°-80°	3974.3	12.6
80°-90°	528.0	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°	31629.8	100.0
0°-180°	31629.8	100.0

Coefficient of Utilization

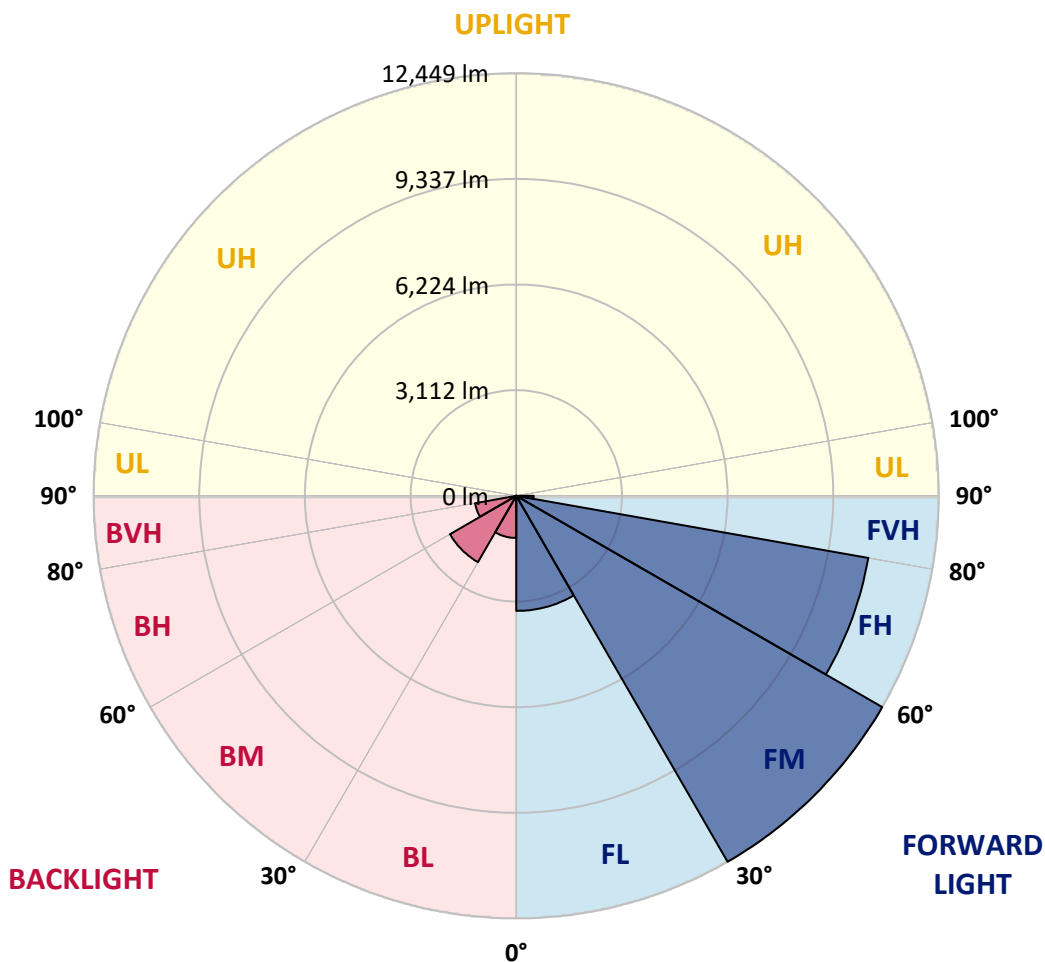


REPORT NUMBER: P383534
 CATALOG NUMBER: GLEON-SA8B-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3390.7	10.7			
FM (30°-60°)	12448.9	39.4			
FH (60°-80°)	10531.8	33.3			G4/12000
FVH (80°-90°)	512.0	1.6			G4/750
BL (0°-30°)	1241.2	3.9	B3/2500		
BM (30°-60°)	2256.3	7.1	B2/2500		
BH (60°-80°)	1232.8	3.9	B3/2500		G3/2500
BVH (80°-90°)	16.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P383534

CATALOG NUMBER: GLEON-SA8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3
2.5°	11502.7	11520.7	11613.6	11829.4	12064.7	12082.6	12241.5	12078.2	12022.6	11759.0	11486.3
5°	11589.7	11658.6	11977.7	12611.6	13161.5	13338.3	13464.1	13143.5	12806.4	12162.0	11474.2
7.5°	10890.0	11005.3	11507.2	12696.9	13679.9	14114.3	14196.8	13694.9	12869.2	11808.4	10774.6
10°	9993.9	10125.8	10731.1	12193.5	13543.5	14288.2	14402.0	13744.2	12557.6	11236.0	10017.9
12.5°	9268.7	9423.1	10041.9	11627.1	13074.6	13898.6	14123.4	13578.0	12287.9	10830.0	9500.9
15°	8934.6	9111.4	9761.7	11261.6	12554.6	13203.4	13389.1	13153.9	12138.1	10765.6	9381.2
17.5°	9126.4	9318.2	9989.5	11293.0	12066.1	12343.3	12493.2	12589.0	12138.1	11153.6	9731.7
20°	9913.1	10119.8	10830.0	11612.1	11661.6	11558.2	11718.5	12055.6	12278.9	11890.8	10573.8
22.5°	11000.8	11243.5	12045.2	12159.0	11463.8	11072.7	11093.7	11622.6	12535.1	12825.8	11742.5
25°	12326.9	12623.5	13438.6	12974.1	11546.3	10783.6	10776.0	11266.0	12785.3	13762.2	13044.6
27.5°	13643.9	13970.5	14686.7	13969.0	11886.4	10731.1	10716.2	11158.2	13029.6	14595.3	14466.5
30°	14748.2	15065.8	15683.2	14689.8	12253.4	10854.0	10782.0	11273.5	13174.9	15136.3	15503.3
32.5°	15647.2	15901.9	16400.8	15185.7	12646.0	11092.2	10936.4	11582.2	13422.1	15593.3	16456.3
35°	16636.0	16904.2	17103.6	15657.6	13086.5	11435.3	11212.1	12072.1	13802.7	16057.7	17500.6
37.5°	17764.3	18031.0	18007.1	16089.2	13645.4	12003.2	11860.8	12848.3	14394.6	16517.7	18666.4
40°	18868.6	19141.3	18946.5	16561.1	14301.7	12939.7	12834.8	14014.0	15187.2	17106.6	20032.8
42.5°	19902.4	20197.6	19781.1	17007.6	15083.8	14120.4	14300.2	15515.3	16179.1	17831.8	21210.5
45°	20735.5	21036.7	20480.8	17442.2	15907.9	15552.7	16093.7	17178.5	17371.8	18444.5	22006.1
47.5°	21340.8	21625.5	20966.2	17876.7	16962.7	17304.3	18246.8	18922.5	18449.0	18976.5	22571.0
50°	21727.4	21949.2	21108.6	18420.6	18347.2	19348.1	20489.8	20819.4	19463.5	19455.9	23257.2
52.5°	21973.2	22073.6	21213.5	18988.5	19791.6	21573.1	22686.4	22789.8	20507.7	19983.4	24181.7
55°	22819.7	22900.6	21956.7	19676.2	20985.7	23522.4	24673.2	24577.3	21690.0	21015.7	25272.5
57.5°	24264.1	24349.5	23492.5	20665.1	21952.2	24727.1	26113.0	26285.4	23075.9	22466.1	26441.2
60°	24989.3	25148.2	24842.5	21917.7	22888.7	25497.3	27094.5	27644.4	24808.0	24378.0	27574.0
62.5°	24331.6	24562.3	25005.8	23306.7	23819.1	25921.2	27400.2	28131.3	26582.1	26606.0	28272.2
65°	23019.0	23203.3	23955.5	24067.8	24358.5	25868.9	26645.0	27451.1	27668.4	28652.7	28234.7
67.5°	21433.8	21502.7	22140.9	24127.7	23576.4	24292.6	24376.5	24972.8	26809.8	29377.9	27100.5
70°	19151.8	19189.2	19746.7	22121.5	20260.6	20417.8	20293.5	20414.9	23049.0	27611.4	24237.2
72.5°	15413.4	15507.8	16300.4	18371.1	14760.2	14306.1	15283.1	15229.1	17750.8	23327.6	18001.0
75°	11348.4	11511.8	12708.9	14797.6	10359.6	9370.6	10083.8	10274.1	12619.0	18044.5	11257.0
77.5°	7945.7	8067.1	9226.8	10878.0	7497.7	6700.6	6442.9	6669.1	8329.2	13053.5	5671.3
80°	4577.4	4622.3	5362.5	6281.1	5052.4	5780.6	5236.7	5392.5	4991.0	5807.5	2439.3
82.5°	2995.2	3002.7	3291.8	3738.4	3146.5	3656.0	2706.0	3459.7	3070.1	2332.9	794.1
85°	1618.2	1627.2	1908.9	2653.6	1781.5	1006.9	591.8	1215.1	1898.4	534.9	217.2
87.5°	178.3	163.3	575.3	964.9	494.5	91.4	31.5	136.4	304.2	34.5	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: P383534

CATALOG NUMBER: GLEON-SA8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3
2.5°	11346.9	11222.5	10912.4	10584.2	10320.5	10073.4	9824.7	9520.4	9285.2	9237.2	9159.3
5°	11104.2	10710.1	10059.9	9406.6	8880.6	8216.9	7795.8	7467.8	7147.1	7127.6	7063.2
7.5°	10256.2	9737.7	8822.2	7918.7	7178.5	6546.3	5908.0	5480.9	5145.3	5026.9	4956.5
10°	9441.0	8858.2	7715.0	6684.1	6023.3	5464.5	5015.0	4568.4	4163.9	3885.2	3759.4
12.5°	8871.7	8227.4	6967.3	6078.7	5605.3	5074.9	4526.5	3969.1	3503.1	3167.4	2962.2
15°	8651.4	7963.7	6717.0	5839.0	5254.7	4583.4	3882.2	3245.4	2728.5	2424.4	2240.0
17.5°	8913.6	8113.5	6697.5	5546.9	4730.3	3895.6	3121.1	2368.8	1881.9	1651.2	1532.8
20°	9578.9	8590.0	6690.1	5188.7	4106.9	3080.6	2114.1	1558.3	1263.1	1134.3	1078.8
22.5°	10519.9	9198.3	6750.0	4835.1	3458.2	2201.1	1459.4	1144.7	993.4	924.5	893.0
25°	11730.5	10052.3	6919.3	4514.5	2848.3	1642.2	1137.2	958.9	852.6	798.6	776.2
27.5°	13020.6	11035.3	7183.1	4235.8	2352.4	1309.6	973.9	821.1	744.7	707.2	686.3
30°	14084.4	12174.0	7449.8	3925.6	1992.8	1141.7	891.5	749.2	660.7	636.8	617.3
32.5°	15014.9	13035.5	7638.5	3645.4	1757.6	1014.4	806.1	669.8	609.8	563.4	542.4
35°	15978.3	13753.3	7632.5	3449.1	1595.7	918.5	734.2	599.4	527.4	473.5	457.0
37.5°	17021.1	14563.9	7502.2	3281.4	1525.3	842.0	693.7	561.9	490.0	436.1	415.0
40°	18242.3	15415.0	7368.8	3124.0	1505.8	780.6	665.2	531.9	455.5	403.1	382.1
42.5°	19432.0	16182.1	7252.0	3007.1	1421.9	779.1	639.8	509.5	428.5	377.6	353.6
45°	20383.4	16896.8	7229.5	2936.7	1333.5	806.1	626.3	494.5	407.6	356.6	334.1
47.5°	21174.5	17672.9	7373.3	2887.3	1249.6	735.6	659.3	483.9	388.1	338.6	313.2
50°	22115.5	18625.8	7712.0	2806.4	1161.2	662.2	755.2	486.9	371.6	320.6	293.7
52.5°	23428.0	19944.4	8209.4	2670.0	1039.9	594.9	743.2	490.0	353.6	301.2	274.2
55°	24899.4	21591.0	8744.3	2443.8	870.5	506.5	636.8	468.9	319.1	280.2	254.7
57.5°	26445.7	23085.0	9062.0	2174.0	692.2	437.5	509.5	427.0	281.7	251.7	235.2
60°	26688.5	23652.8	8916.6	1843.0	549.9	380.5	377.6	434.5	251.7	221.7	209.8
62.5°	26084.6	22939.5	8213.9	1547.8	460.0	334.1	310.1	379.0	227.8	197.8	185.8
65°	24923.4	21011.2	7075.2	1395.0	427.0	286.2	257.8	266.7	199.3	172.3	161.8
67.5°	23308.2	18437.1	5809.0	1308.1	422.5	245.7	220.2	202.2	172.3	149.8	140.8
70°	20005.8	15359.4	4634.4	1260.1	410.5	206.8	185.8	164.8	143.8	127.3	119.9
72.5°	14724.2	10883.9	3605.0	1207.7	413.5	164.8	161.8	136.4	115.4	98.9	95.9
75°	8507.5	6218.1	2364.4	978.4	394.0	127.3	134.9	95.9	81.0	68.9	68.9
77.5°	4533.9	3792.3	900.5	407.6	143.8	81.0	76.4	56.9	51.0	41.9	40.4
80°	1976.3	1669.1	271.2	113.8	79.4	43.4	28.5	25.4	22.5	18.0	16.5
82.5°	699.7	603.8	88.4	55.4	34.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	158.8	113.8	0.0	13.5	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: P383534

CATALOG NUMBER: GLEON-SA8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3
2.5°	9000.5	8967.5	8772.8	8780.3	8814.8	8864.1	8747.3	8801.3	8946.6	9085.9	9138.4
5°	6959.8	6967.3	6848.9	6922.3	6988.3	7033.2	6844.5	6847.4	6962.8	7120.1	7202.5
7.5°	4904.0	4892.1	4898.1	5073.4	5197.8	5107.9	5178.3	4934.0	4949.0	5061.4	4977.4
10°	3645.4	3480.6	3387.8	3519.6	3656.0	3606.5	3485.1	3405.7	3461.2	3585.5	3576.6
12.5°	2864.8	2628.1	2488.7	2394.4	2506.7	2413.8	2410.8	2341.9	2267.0	2280.4	2479.8
15°	2154.6	1982.3	1817.4	1666.2	1663.2	1631.7	1471.4	1291.6	1276.6	1285.5	1388.9
17.5°	1481.8	1423.4	1356.0	1225.6	1191.2	1059.4	903.5	831.6	795.6	812.1	846.6
20°	1041.4	1018.8	1026.4	956.0	906.5	780.6	689.3	660.7	654.8	671.3	687.8
22.5°	863.1	822.6	818.1	786.6	737.2	645.7	596.4	579.9	572.3	587.3	599.4
25°	755.2	714.7	698.2	678.7	626.3	563.4	533.4	518.4	511.0	519.9	527.4
27.5°	665.2	627.8	612.9	599.4	548.4	503.4	479.5	466.0	460.0	463.0	470.5
30°	597.9	564.9	545.4	528.9	485.4	454.0	433.0	419.6	413.5	413.5	421.1
32.5°	527.4	509.5	491.5	470.5	430.0	409.0	388.1	373.1	367.1	368.6	374.6
35°	439.0	433.0	437.5	418.1	383.6	365.6	344.6	328.1	323.6	325.1	331.2
37.5°	389.6	362.6	379.0	368.6	349.1	325.1	298.2	283.2	275.7	280.2	283.2
40°	358.1	325.1	313.2	323.6	320.6	281.7	257.8	242.8	236.7	238.2	241.3
42.5°	331.2	292.1	265.2	263.7	281.7	245.7	220.2	206.8	199.3	199.3	202.2
45°	305.6	263.7	230.7	205.3	236.7	208.3	184.3	172.3	163.3	163.3	164.8
47.5°	286.2	239.8	200.7	167.8	178.3	170.8	151.4	139.4	130.3	130.3	131.8
50°	268.2	215.7	173.8	140.8	133.4	140.8	122.9	109.4	103.4	101.9	104.9
52.5°	248.7	191.8	148.3	119.9	104.9	106.4	95.9	86.9	79.4	79.4	82.4
55°	229.3	172.3	128.8	101.9	86.9	79.4	76.4	70.4	64.5	64.5	67.4
57.5°	209.8	151.4	109.4	83.9	68.9	63.0	63.0	58.4	53.9	53.9	56.9
60°	191.8	130.3	89.9	68.9	53.9	52.4	53.9	49.5	46.5	46.5	49.5
62.5°	170.8	110.9	73.4	56.9	43.4	41.9	46.5	43.4	40.4	40.4	43.4
65°	145.3	94.4	58.4	43.4	33.0	33.0	38.9	36.0	33.0	33.0	36.0
67.5°	122.9	79.4	45.0	31.5	23.9	25.4	33.0	30.0	28.5	28.5	31.5
70°	101.9	61.4	31.5	19.5	13.5	19.5	25.4	25.4	25.4	25.4	28.5
72.5°	76.4	41.9	18.0	7.5	6.0	13.5	21.0	23.9	22.5	22.5	27.0
75°	49.5	23.9	6.0	0.0	0.0	7.5	16.5	19.5	19.5	18.0	22.5
77.5°	28.5	7.5	0.0	0.0	0.0	0.0	10.5	9.0	7.5	6.0	10.5
80°	7.5	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: P383534

CATALOG NUMBER: GLEON-SA8B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3	10611.3
2.5°	9349.7	9526.5	9775.2	10038.9	10444.9	10767.1	11083.2	11354.4	11459.3	11502.7
5°	7400.3	7659.6	8023.6	8491.1	9223.8	9883.1	10551.3	11224.0	11516.3	11589.7
7.5°	5310.1	5641.3	6104.2	6690.1	7548.6	8402.7	9336.2	10323.6	10776.0	10890.0
10°	3930.1	4334.7	4865.1	5482.4	6302.0	7180.1	8197.4	9325.6	9842.6	9993.9
12.5°	2788.4	3335.3	4045.5	4796.2	5506.4	6290.0	7319.4	8563.0	9105.4	9268.7
15°	1637.7	2166.6	3007.1	4012.5	4922.0	5716.2	6762.0	8171.9	8769.8	8934.6
17.5°	939.5	1203.2	1838.5	2959.2	4193.8	5293.6	6586.7	8269.3	8973.6	9126.4
20°	717.7	801.6	1059.4	1905.9	3342.8	4878.6	6586.7	8820.7	9688.3	9913.1
22.5°	627.8	689.3	794.1	1137.2	2460.3	4433.6	6663.1	9617.9	10752.1	11000.8
25°	557.3	612.9	702.8	855.5	1678.2	3904.7	6844.5	10596.3	12004.7	12326.9
27.5°	498.9	551.4	632.3	749.2	1147.8	3266.4	7088.6	11744.0	13386.2	13643.9
30°	446.5	496.0	569.4	651.8	885.5	2542.7	7296.9	12825.8	14470.9	14748.2
32.5°	397.0	442.0	508.0	569.4	725.2	1880.4	7319.4	13682.9	15371.5	15647.2
35°	350.6	391.1	451.0	498.9	600.8	1484.9	6970.3	14426.0	16272.0	16636.0
37.5°	305.6	344.6	397.0	433.0	528.9	1210.6	6436.9	15254.6	17427.2	17764.3
40°	263.7	298.2	352.1	376.1	500.4	930.4	5857.0	16123.6	18560.0	18868.6
42.5°	224.8	257.8	310.1	356.6	439.0	695.2	5230.7	16938.7	19578.8	19902.4
45°	187.3	221.7	274.2	377.6	364.1	519.9	4561.0	17479.7	20383.4	20735.5
47.5°	151.4	190.3	262.2	359.6	290.6	382.1	4030.5	17992.1	20993.3	21340.8
50°	121.4	160.3	295.2	320.6	238.2	292.1	3808.8	18450.6	21393.3	21727.4
52.5°	98.9	134.9	278.7	245.7	199.3	241.3	3928.6	19193.7	21763.4	21973.2
55°	82.4	106.4	167.8	170.8	169.4	205.3	4077.0	20260.6	22720.8	22819.7
57.5°	71.9	85.4	116.9	131.8	142.3	182.8	4080.0	21791.9	24202.7	24264.1
60°	61.4	74.9	97.3	106.4	122.9	163.3	3931.7	22326.8	24785.5	24989.3
62.5°	53.9	66.0	81.0	88.4	103.4	146.8	3584.0	21552.1	23985.4	24331.6
65°	48.0	59.9	67.4	74.9	91.4	131.8	3011.7	20002.8	22657.9	23019.0
67.5°	41.9	52.4	59.9	67.4	82.4	116.9	2217.5	18203.4	21134.1	21433.8
70°	37.4	46.5	53.9	59.9	71.9	98.9	1345.5	15446.4	19027.4	19151.8
72.5°	36.0	41.9	49.5	53.9	63.0	86.9	681.7	11351.5	15211.1	15413.4
75°	31.5	37.4	45.0	48.0	55.4	74.9	277.2	7455.7	11023.3	11348.4
77.5°	25.4	34.5	40.4	43.4	48.0	61.4	140.8	4764.7	7735.9	7945.7
80°	9.0	25.4	34.5	36.0	40.4	45.0	92.9	2608.6	4487.5	4577.4
82.5°	0.0	16.5	27.0	25.4	28.5	34.5	59.9	1240.6	2962.2	2995.2
85°	0.0	7.5	21.0	16.5	12.0	23.9	21.0	271.2	1553.8	1618.2
87.5°	0.0	0.0	1.5	7.5	6.0	9.0	3.0	1.5	140.8	178.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)