

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: P383310

Luminaire Tested: **GLEON-SA6B-735-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383310
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-SA6B-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 23603.5 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

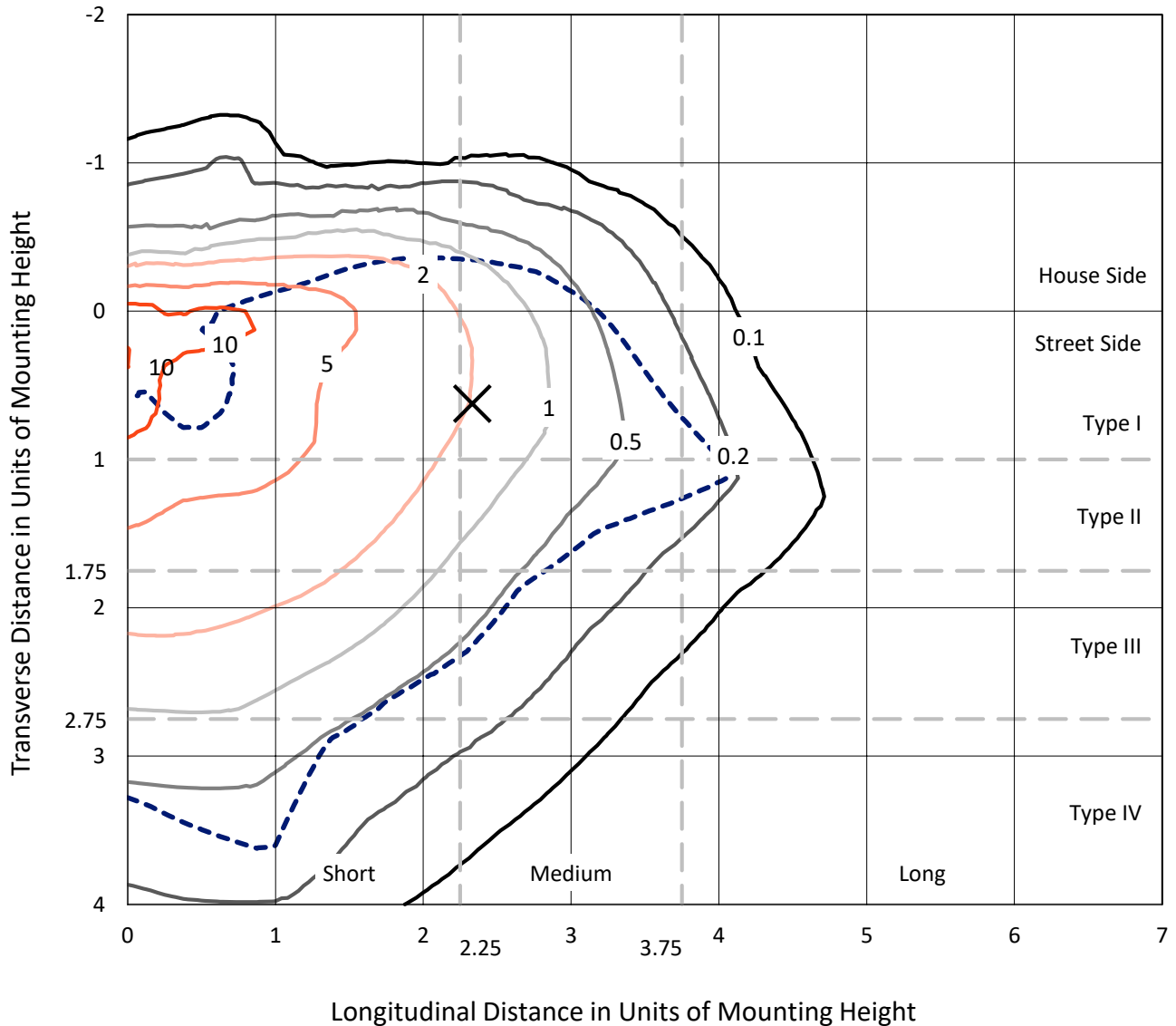
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

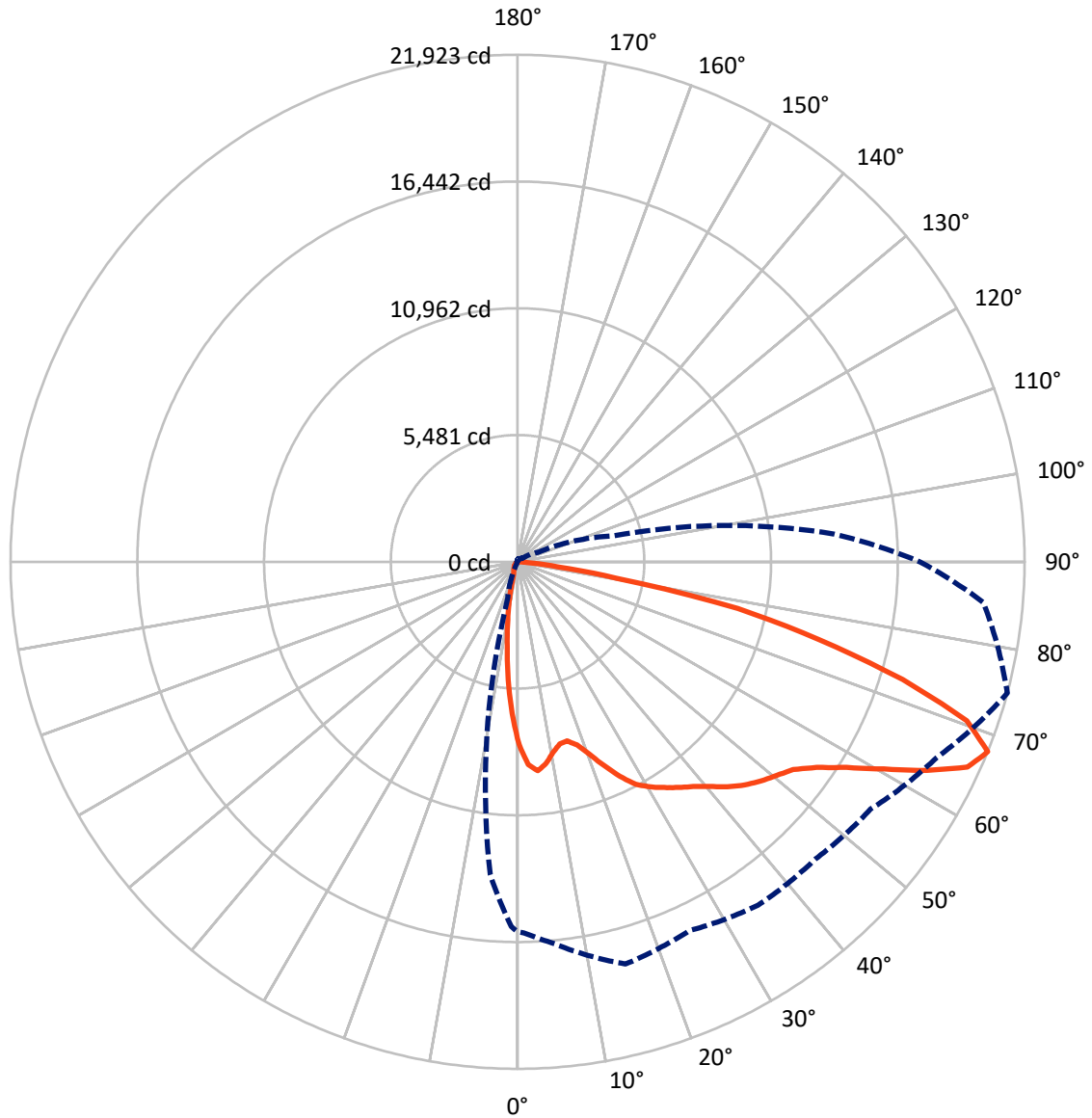
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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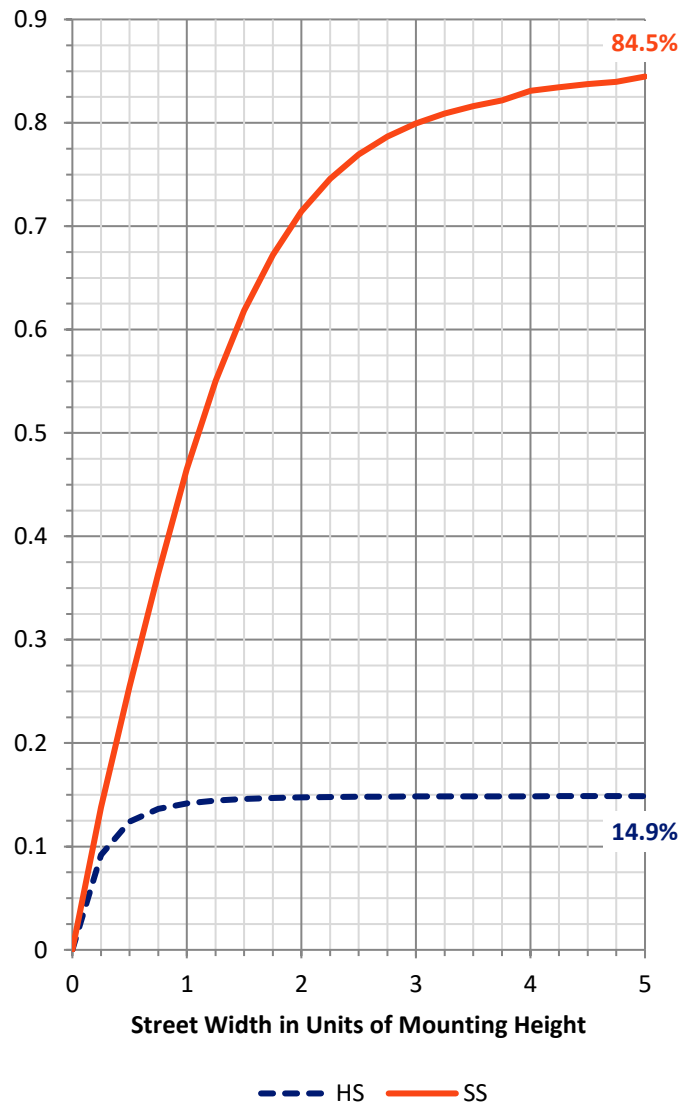
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3542.0	0.0	3542.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	20061.6	0.0	20061.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	23603.5	0.0	23603.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.7	2.5
10°-20°	1182.7	5.0
20°-30°	1673.2	7.1
30°-40°	2460.1	10.4
40°-50°	3535.9	15.0
50°-60°	4977.7	21.1
60°-70°	5813.5	24.6
70°-80°	2965.8	12.6
80°-90°	394.0	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°	23603.5	100.0
0°-180°	23603.5	100.0

Coefficient of Utilization



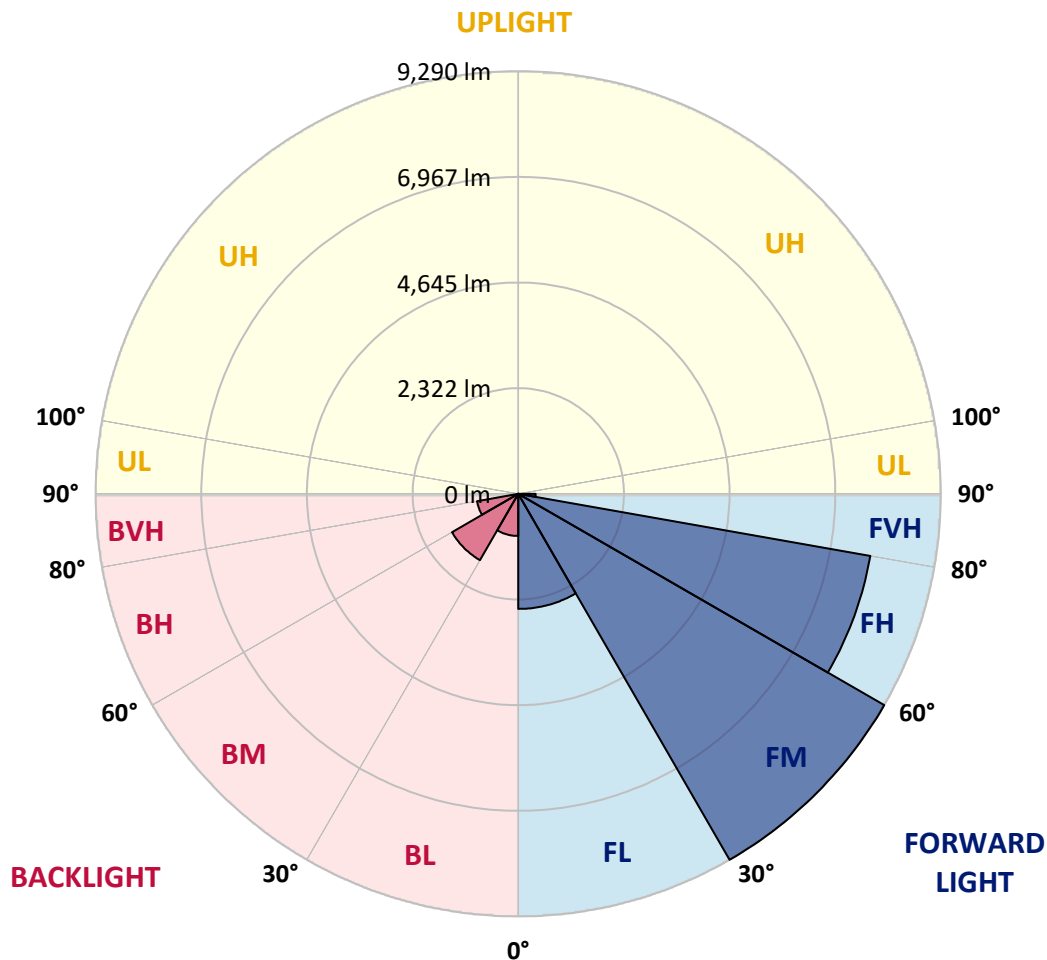
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2530.3	10.7			
FM (30°-60°)	9289.9	39.4			
FH (60°-80°)	7859.3	33.3			G4/12000
FVH (80°-90°)	382.0	1.6			G3/500
BL (0°-30°)	926.3	3.9	B2/1000		
BM (30°-60°)	1683.7	7.1	B2/2500		
BH (60°-80°)	920.0	3.9	B2/1000		G2/1000
BVH (80°-90°)	11.9	0.1			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6
2.5°	8583.8	8597.3	8666.7	8827.6	9003.1	9016.6	9135.1	9013.3	8971.8	8775.1	8571.5
5°	8648.8	8700.2	8938.3	9411.3	9821.7	9953.6	10047.5	9808.3	9556.7	9075.9	8562.6
7.5°	8126.5	8212.6	8587.2	9475.1	10208.6	10532.7	10594.3	10219.7	9603.6	8812.0	8040.5
10°	7457.9	7556.3	8008.0	9099.4	10106.7	10662.5	10747.5	10256.6	9371.0	8384.9	7475.9
12.5°	6916.7	7031.9	7493.7	8676.7	9756.8	10371.8	10539.4	10132.4	9169.8	8081.8	7090.0
15°	6667.4	6799.4	7284.6	8403.9	9368.8	9853.0	9991.6	9816.1	9058.0	8033.8	7000.6
17.5°	6810.5	6953.6	7454.5	8427.3	9004.2	9211.1	9322.9	9394.6	9058.0	8323.4	7262.3
20°	7397.5	7551.9	8081.8	8665.5	8702.4	8625.2	8744.9	8996.4	9163.1	8873.5	7890.7
22.5°	8209.3	8390.4	8988.6	9073.6	8554.8	8263.0	8278.7	8673.4	9354.2	9571.2	8762.8
25°	9198.8	9420.3	10028.5	9681.9	8616.3	8047.2	8041.6	8407.2	9541.0	10270.0	9734.4
27.5°	10181.7	10425.4	10959.9	10424.3	8870.1	8008.0	7996.9	8326.7	9723.2	10891.7	10795.5
30°	11005.8	11242.8	11703.5	10962.2	9144.1	8099.7	8046.1	8412.8	9831.7	11295.3	11569.3
32.5°	11676.6	11866.7	12239.0	11332.3	9437.0	8277.5	8161.2	8643.2	10016.2	11636.3	12280.4
35°	12414.5	12614.7	12763.4	11684.4	9765.7	8533.5	8367.0	9008.8	10300.2	11983.0	13059.7
37.5°	13256.6	13455.6	13437.7	12006.4	10182.8	8957.3	8851.1	9588.0	10741.9	12326.2	13929.6
40°	14080.6	14284.1	14138.8	12358.7	10672.6	9656.1	9577.9	10457.8	11333.4	12765.6	14949.4
42.5°	14852.1	15072.3	14761.6	12691.9	11256.2	10537.2	10671.4	11578.2	12073.5	13306.9	15828.2
45°	15473.8	15698.5	15283.7	13016.1	11871.2	11606.2	12009.8	12819.3	12963.6	13764.2	16422.0
47.5°	15925.6	16137.9	15646.0	13340.4	12658.3	12913.3	13616.6	14120.9	13767.5	14161.1	16843.5
50°	16214.0	16379.5	15752.2	13746.3	13691.5	14438.4	15290.4	15536.4	14524.5	14518.9	17355.6
52.5°	16397.4	16472.3	15830.4	14170.1	14769.4	16098.8	16929.6	17006.7	15303.8	14912.5	18045.5
55°	17029.1	17089.5	16385.1	14683.2	15660.5	17553.5	18412.2	18340.7	16186.0	15682.9	18859.5
57.5°	18107.0	18170.7	17531.2	15421.2	16381.7	18452.5	19486.8	19615.3	17220.3	16765.2	19731.6
60°	18648.2	18766.7	18538.5	16356.0	17080.6	19027.2	20219.1	20629.5	18512.8	18191.9	20577.0
62.5°	18157.3	18329.5	18660.5	17392.5	17774.9	19343.6	20447.2	20992.9	19836.7	19854.6	21098.0
65°	17177.8	17315.3	17876.7	17960.5	18177.4	19304.5	19883.7	20485.2	20647.4	21382.0	21070.0
67.5°	15994.9	16046.3	16522.6	18005.2	17593.8	18128.2	18190.8	18635.9	20006.7	21923.1	20223.6
70°	14291.9	14319.8	14735.8	16508.0	15119.3	15236.8	15144.0	15234.5	17200.2	20604.9	18086.8
72.5°	11502.2	11572.6	12164.1	13709.4	11014.7	10675.9	11404.9	11364.7	13246.5	17408.1	13433.2
75°	8468.7	8590.5	9484.0	11042.7	7730.7	6992.8	7525.0	7667.0	9416.9	13465.6	8400.5
77.5°	5929.4	6020.0	6885.4	8117.6	5595.2	5000.3	4808.0	4976.8	6215.7	9741.1	4232.1
80°	3415.9	3449.4	4001.7	4687.2	3770.3	4313.7	3907.8	4024.1	3724.5	4333.8	1820.3
82.5°	2235.2	2240.7	2456.5	2789.7	2348.1	2728.2	2019.3	2581.8	2291.0	1741.0	592.7
85°	1207.6	1214.3	1424.5	1980.2	1329.4	751.4	441.6	906.8	1416.7	399.2	162.1
87.5°	133.0	121.8	429.4	720.1	369.0	68.2	23.5	101.7	227.0	25.7	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6
2.5°	8467.6	8374.8	8143.3	7898.5	7701.7	7517.2	7331.6	7104.6	6929.0	6893.3	6835.1
5°	8286.5	7992.4	7507.2	7019.6	6627.1	6131.8	5817.6	5572.8	5333.5	5319.0	5270.9
7.5°	7653.6	7266.7	6583.5	5909.3	5357.0	4885.1	4408.8	4090.1	3839.7	3751.3	3698.8
10°	7045.3	6610.4	5757.2	4988.0	4494.9	4077.8	3742.4	3409.2	3107.3	2899.3	2805.4
12.5°	6620.4	6139.6	5199.3	4536.3	4182.9	3787.1	3377.9	2961.9	2614.2	2363.7	2210.6
15°	6456.1	5942.9	5012.6	4357.3	3921.3	3420.4	2897.1	2421.8	2036.1	1809.2	1671.6
17.5°	6651.7	6054.7	4998.0	4139.3	3529.9	2907.2	2329.1	1767.8	1404.4	1232.2	1143.8
20°	7148.2	6410.3	4992.4	3872.1	3064.8	2298.9	1577.7	1162.9	942.5	846.4	805.0
22.5°	7850.3	6864.2	5037.2	3608.2	2580.7	1642.5	1089.1	854.2	741.3	689.9	666.4
25°	8753.8	7501.6	5163.5	3368.9	2125.6	1225.5	848.6	715.6	636.2	596.0	579.2
27.5°	9716.5	8235.0	5360.3	3160.9	1755.5	977.3	726.8	612.8	555.7	527.7	512.1
30°	10510.4	9084.8	5559.4	2929.5	1487.1	852.0	665.3	559.0	493.1	475.2	460.7
32.5°	11204.7	9727.7	5700.2	2720.4	1311.5	757.0	601.6	499.8	455.1	420.4	404.8
35°	11923.7	10263.3	5695.8	2574.0	1190.8	685.4	547.8	447.2	393.6	353.3	341.0
37.5°	12701.9	10868.2	5598.5	2448.7	1138.3	628.4	517.7	419.3	365.6	325.4	309.7
40°	13613.3	11503.3	5498.9	2331.3	1123.7	582.6	496.4	396.9	339.9	300.8	285.1
42.5°	14501.0	12075.8	5411.7	2244.1	1061.1	581.5	477.4	380.2	319.8	281.8	263.9
45°	15211.1	12609.1	5395.0	2191.6	995.2	601.6	467.4	369.0	304.2	266.1	249.4
47.5°	15801.4	13188.3	5502.3	2154.7	932.5	549.0	492.0	361.2	289.6	252.7	233.7
50°	16503.6	13899.4	5755.0	2094.2	866.5	494.2	563.5	363.4	277.3	239.3	219.2
52.5°	17483.1	14883.4	6126.2	1992.5	776.0	443.9	554.6	365.6	263.9	224.8	204.7
55°	18581.0	16112.2	6525.4	1823.7	649.7	377.9	475.2	350.0	238.2	209.1	190.0
57.5°	19734.9	17227.0	6762.5	1622.4	516.5	326.5	380.2	318.7	210.3	187.8	175.5
60°	19916.1	17650.8	6654.0	1375.3	410.3	284.0	281.8	324.3	187.8	165.4	156.5
62.5°	19465.5	17118.6	6129.6	1155.0	343.3	249.4	231.5	282.9	169.9	147.6	138.6
65°	18599.0	15679.5	5279.8	1041.0	318.7	213.6	192.4	199.1	148.7	128.6	120.7
67.5°	17393.6	13758.6	4335.0	976.2	315.3	183.3	164.3	150.9	128.6	111.8	105.1
70°	14929.3	11461.9	3458.4	940.3	306.4	154.3	138.6	123.0	107.3	95.0	89.4
72.5°	10987.9	8122.1	2690.2	901.2	308.6	123.0	120.7	101.7	86.1	73.8	71.5
75°	6348.8	4640.2	1764.4	730.1	294.1	95.0	100.6	71.5	60.4	51.4	51.4
77.5°	3383.5	2829.9	672.0	304.2	107.3	60.4	57.0	42.5	38.0	31.3	30.2
80°	1474.8	1245.6	202.4	85.0	59.2	32.4	21.2	19.0	16.8	13.4	12.3
82.5°	522.1	450.6	66.0	41.4	25.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	118.5	85.0	0.0	10.1	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6
2.5°	6716.6	6692.0	6546.6	6552.2	6577.9	6614.8	6527.6	6567.9	6676.3	6780.4	6819.5
5°	5193.8	5199.3	5110.9	5165.7	5215.0	5248.5	5107.6	5109.8	5196.0	5313.4	5374.8
7.5°	3659.7	3650.7	3655.2	3786.0	3878.8	3811.7	3864.2	3682.0	3693.2	3777.1	3714.5
10°	2720.4	2597.4	2528.1	2626.5	2728.2	2691.3	2600.8	2541.5	2582.9	2675.7	2669.0
12.5°	2137.9	1961.2	1857.2	1786.8	1870.6	1801.3	1799.1	1747.7	1691.7	1701.8	1850.5
15°	1607.9	1479.3	1356.3	1243.3	1241.1	1217.6	1098.0	963.9	952.6	959.4	1036.5
17.5°	1105.8	1062.2	1011.9	914.6	888.9	790.5	674.3	620.6	593.8	606.1	631.8
20°	777.1	760.3	765.9	713.4	676.5	582.6	514.3	493.1	488.6	500.9	513.2
22.5°	644.1	613.9	610.5	587.1	550.1	481.9	445.0	432.7	427.1	438.3	447.2
25°	563.5	533.3	521.0	506.5	467.4	420.4	398.1	386.9	381.3	388.0	393.6
27.5°	496.4	468.5	457.3	447.2	409.2	375.7	357.8	347.7	343.3	345.5	351.1
30°	446.1	421.5	407.0	394.7	362.3	338.8	323.2	313.1	308.6	308.6	314.2
32.5°	393.6	380.2	366.8	351.1	320.9	305.3	289.6	278.4	274.0	275.1	279.6
35°	327.6	323.2	326.5	312.0	286.3	272.9	257.2	244.9	241.6	242.7	247.1
37.5°	290.7	270.6	282.9	275.1	260.6	242.7	222.5	211.4	205.8	209.1	211.4
40°	267.3	242.7	233.7	241.6	239.3	210.3	192.4	181.1	176.6	177.7	180.0
42.5°	247.1	218.1	198.0	196.8	210.3	183.3	164.3	154.3	148.7	148.7	150.9
45°	228.1	196.8	172.1	153.1	176.6	155.4	137.5	128.6	121.8	121.8	123.0
47.5°	213.6	178.9	149.8	125.2	133.0	127.4	112.9	104.0	97.3	97.3	98.4
50°	200.2	161.0	129.7	105.1	99.5	105.1	91.7	81.6	77.1	76.0	78.2
52.5°	185.6	143.1	110.7	89.4	78.2	79.4	71.5	64.8	59.2	59.2	61.5
55°	171.0	128.6	96.1	76.0	64.8	59.2	57.0	52.5	48.1	48.1	50.3
57.5°	156.5	112.9	81.6	62.6	51.4	46.9	46.9	43.6	40.2	40.2	42.5
60°	143.1	97.3	67.1	51.4	40.2	39.1	40.2	36.9	34.7	34.7	36.9
62.5°	127.4	82.7	54.8	42.5	32.4	31.3	34.7	32.4	30.2	30.2	32.4
65°	108.4	70.4	43.6	32.4	24.6	24.6	29.1	26.8	24.6	24.6	26.8
67.5°	91.7	59.2	33.5	23.5	17.9	19.0	24.6	22.4	21.2	21.2	23.5
70°	76.0	45.8	23.5	14.5	10.1	14.5	19.0	19.0	19.0	19.0	21.2
72.5°	57.0	31.3	13.4	5.6	4.5	10.1	15.6	17.9	16.8	16.8	20.1
75°	36.9	17.9	4.5	0.0	0.0	5.6	12.3	14.5	14.5	13.4	16.8
77.5°	21.2	5.6	0.0	0.0	0.0	0.0	7.8	6.7	5.6	4.5	7.8
80°	5.6	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: P383310

CATALOG NUMBER: GLEON-SA6B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6	7918.6
2.5°	6977.1	7109.1	7294.7	7491.5	7794.4	8034.9	8270.8	8473.2	8551.4	8583.8
5°	5522.4	5715.9	5987.6	6336.5	6883.2	7375.2	7873.9	8375.9	8593.9	8648.8
7.5°	3962.6	4209.8	4555.3	4992.4	5633.2	6270.4	6967.0	7703.9	8041.6	8126.5
10°	2932.9	3234.7	3630.5	4091.3	4702.8	5358.1	6117.3	6959.2	7345.0	7457.9
12.5°	2080.8	2488.9	3019.0	3579.1	4109.1	4693.9	5462.0	6390.1	6794.9	6916.7
15°	1222.1	1616.8	2244.1	2994.4	3673.1	4265.6	5046.1	6098.3	6544.4	6667.4
17.5°	701.1	897.8	1372.0	2208.3	3129.6	3950.3	4915.3	6170.9	6696.4	6810.5
20°	535.5	598.2	790.5	1422.3	2494.6	3640.6	4915.3	6582.4	7229.8	7397.5
22.5°	468.5	514.3	592.7	848.6	1836.0	3308.6	4972.3	7177.3	8023.7	8209.3
25°	415.9	457.3	524.4	638.5	1252.3	2913.9	5107.6	7907.4	8958.4	9198.8
27.5°	372.3	411.5	471.8	559.0	856.5	2437.5	5289.9	8763.9	9989.4	10181.7
30°	333.2	370.1	424.9	486.4	660.8	1897.5	5445.3	9571.2	10798.9	11005.8
32.5°	296.3	329.9	379.0	424.9	541.1	1403.3	5462.0	10210.8	11470.9	11676.6
35°	261.7	291.9	336.6	372.3	448.4	1108.1	5201.6	10765.3	12142.9	12414.5
37.5°	228.1	257.2	296.3	323.2	394.7	903.4	4803.5	11383.7	13005.0	13256.6
40°	196.8	222.5	262.8	280.7	373.5	694.4	4370.7	12032.1	13850.2	14080.6
42.5°	167.7	192.4	231.5	266.1	327.6	518.8	3903.4	12640.4	14610.6	14852.1
45°	139.7	165.4	204.7	281.8	271.7	388.0	3403.6	13044.1	15211.1	15473.8
47.5°	112.9	142.0	195.7	268.4	217.0	285.1	3007.8	13426.5	15666.1	15925.6
50°	90.5	119.6	220.3	239.3	177.7	218.1	2842.2	13768.6	15964.7	16214.0
52.5°	73.8	100.6	208.0	183.3	148.7	180.0	2931.8	14323.2	16240.8	16397.4
55°	61.5	79.4	125.2	127.4	126.3	153.1	3042.4	15119.3	16955.3	17029.1
57.5°	53.7	63.7	87.2	98.4	106.2	136.4	3044.7	16262.0	18061.1	18107.0
60°	45.8	55.9	72.7	79.4	91.7	121.8	2934.0	16661.2	18496.1	18648.2
62.5°	40.2	49.2	60.4	66.0	77.1	109.5	2674.6	16083.2	17899.0	18157.3
65°	35.8	44.7	50.3	55.9	68.2	98.4	2247.5	14927.0	16908.3	17177.8
67.5°	31.3	39.1	44.7	50.3	61.5	87.2	1654.8	13584.1	15771.2	15994.9
70°	27.9	34.7	40.2	44.7	53.7	73.8	1004.1	11526.8	14199.1	14291.9
72.5°	26.8	31.3	36.9	40.2	46.9	64.8	508.7	8470.9	11351.3	11502.2
75°	23.5	27.9	33.5	35.8	41.4	55.9	206.9	5563.9	8226.0	8468.7
77.5°	19.0	25.7	30.2	32.4	35.8	45.8	105.1	3555.6	5772.9	5929.4
80°	6.7	19.0	25.7	26.8	30.2	33.5	69.3	1946.7	3348.8	3415.9
82.5°	0.0	12.3	20.1	19.0	21.2	25.7	44.7	925.8	2210.6	2235.2
85°	0.0	5.6	15.6	12.3	8.9	17.9	15.6	202.4	1159.5	1207.6
87.5°	0.0	0.0	1.1	5.6	4.5	6.7	2.2	1.1	105.1	133.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)