

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: P383340

Luminaire Tested: **GLEON-SA6C-735-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6C-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29212.4 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

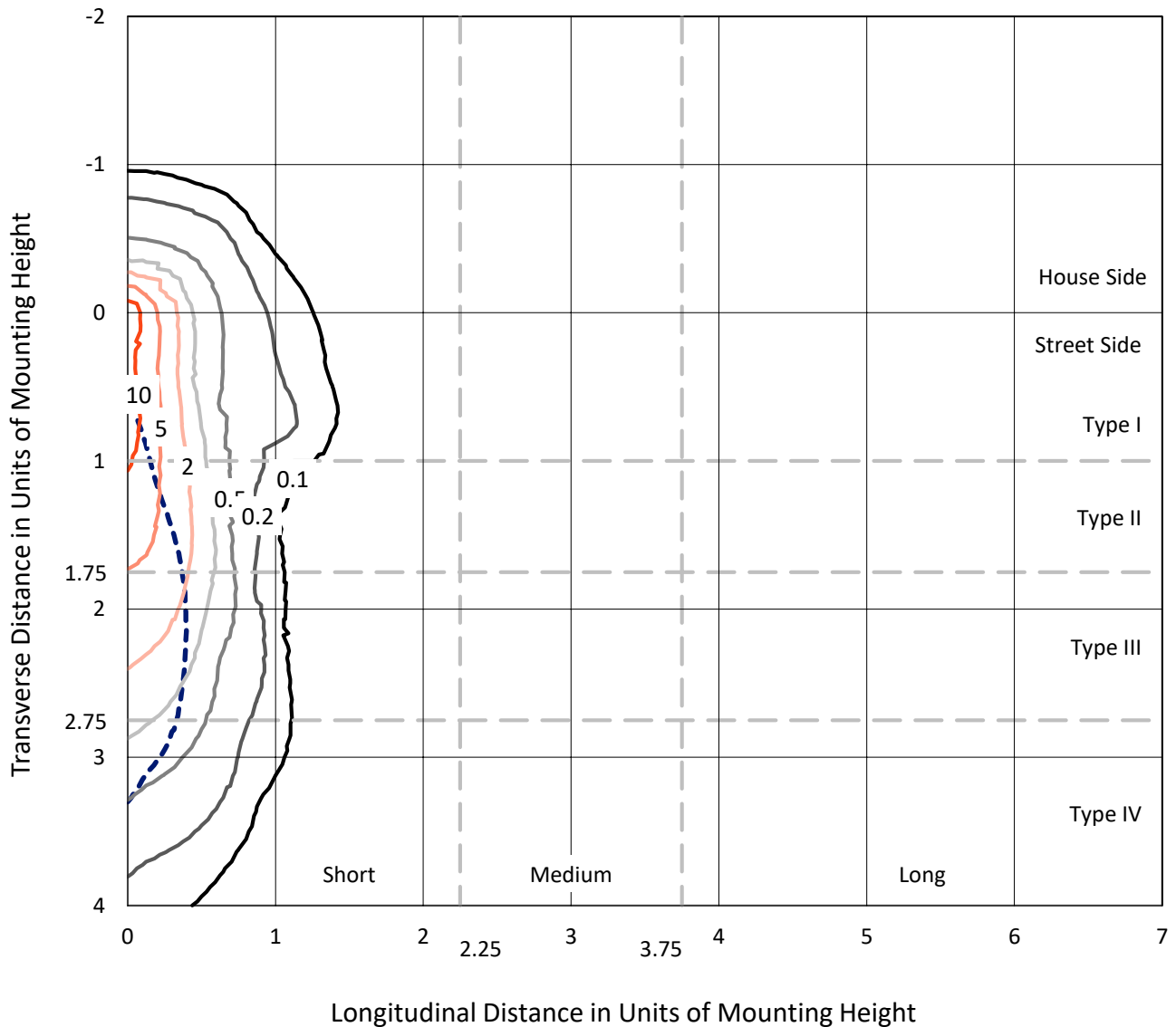
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

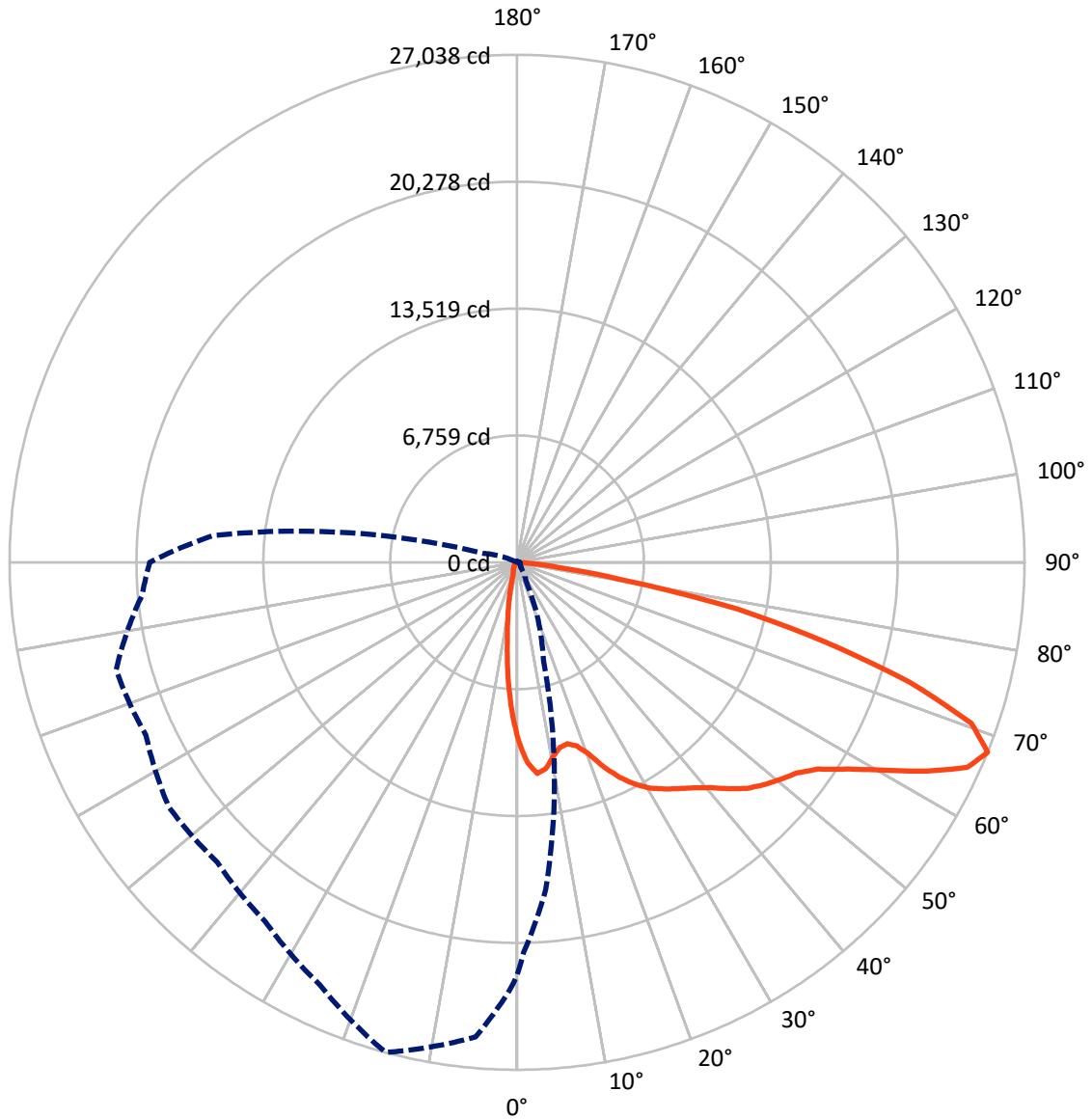
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 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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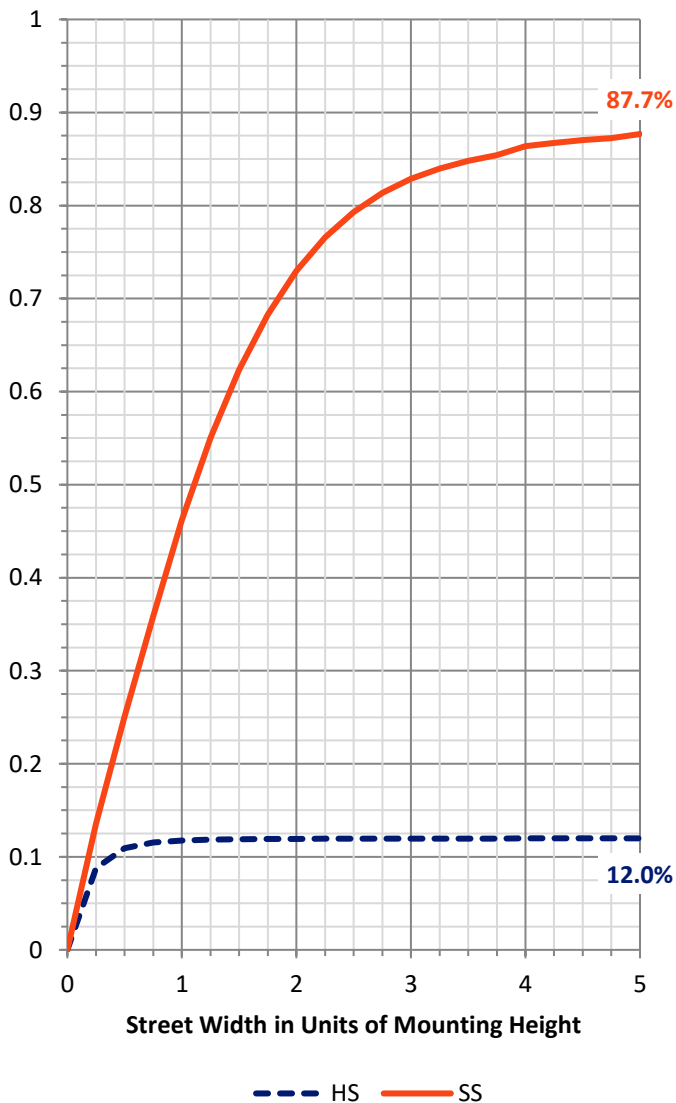
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3535.7	0.0	3535.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	25676.7	0.0	25676.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	29212.4	0.0	29212.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	730.3	2.5
10°-20°	1453.7	5.0
20°-30°	2064.3	7.1
30°-40°	3049.1	10.4
40°-50°	4397.4	15.1
50°-60°	6173.0	21.1
60°-70°	7196.0	24.6
70°-80°	3678.7	12.6
80°-90°	469.8	1.6
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°	29212.4	100.0
0°-180°	29212.4	100.0

Coefficient of Utilization

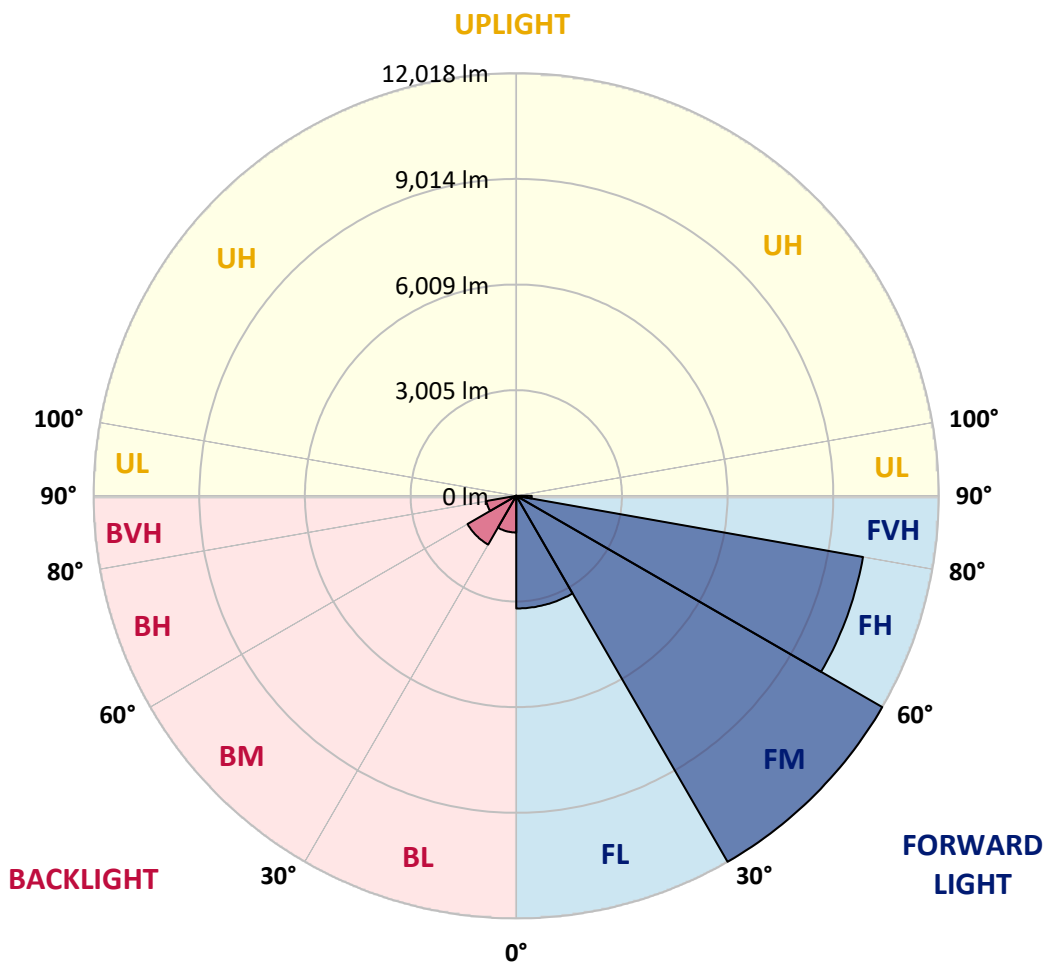


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3204.0	11.0			
FM (30°-60°)	12018.5	41.1			
FH (60°-80°)	10013.0	34.3			G4/12000
FVH (80°-90°)	441.3	1.5			G3/500
BL (0°-30°)	1044.3	3.6	B3/2500		
BM (30°-60°)	1601.1	5.5	B2/2500		
BH (60°-80°)	861.7	2.9	B2/1000		G2/1000
BVH (80°-90°)	28.6	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9
2.5°	10419.5	10339.3	10250.7	9961.5	9693.0	9385.8	9135.3	8960.9	8742.3	8458.5	8386.6
5°	10344.8	10259.0	9980.9	9337.4	8774.1	8226.0	7697.4	7387.4	7002.6	6612.4	6515.5
7.5°	9593.4	9503.5	9102.1	8220.5	7462.2	6670.5	5984.1	5559.2	5124.7	4767.7	4578.0
10°	8811.5	8713.2	8262.1	7192.3	6258.1	5542.6	5038.8	4633.4	4222.3	3840.4	3536.0
12.5°	8273.1	8144.4	7654.5	6442.2	5628.4	5142.7	4672.2	4186.4	3630.1	3220.4	2885.5
15°	8047.5	7900.8	7383.3	6153.0	5405.6	4835.5	4222.3	3625.9	2974.1	2504.9	2197.7
17.5°	8221.9	8031.0	7475.9	6133.6	5126.0	4349.7	3574.7	2874.4	2167.2	1692.5	1473.9
20°	8814.2	8563.7	7859.3	6128.0	4787.0	3772.6	2790.0	1998.4	1428.2	1148.7	1033.8
22.5°	9747.0	9416.3	8410.1	6172.3	4436.9	3166.4	2015.0	1357.6	1072.6	927.3	859.4
25°	10873.5	10490.2	9203.1	6328.7	4129.6	2576.8	1464.2	1072.6	905.1	798.5	741.8
27.5°	11944.7	11633.3	10205.1	6554.3	3891.6	2100.8	1188.7	909.3	773.7	703.0	657.4
30°	13014.5	12622.8	11233.3	6822.7	3605.1	1778.3	1044.8	829.0	693.4	618.6	589.6
32.5°	13792.2	13467.0	12038.8	7016.5	3299.3	1568.0	934.2	758.4	647.7	571.6	528.7
35°	14707.0	14338.8	12729.4	7059.5	3102.8	1435.1	840.1	682.3	561.9	494.1	448.4
37.5°	15695.1	15237.0	13526.5	6965.3	2949.2	1370.1	769.5	647.7	524.6	455.3	406.9
40°	16788.4	16270.9	14291.8	6829.6	2798.3	1347.9	715.5	621.3	495.5	424.9	375.0
42.5°	17939.8	17329.6	14954.7	6687.1	2702.8	1271.8	709.9	595.1	473.3	397.2	347.4
45°	18907.2	18288.6	15635.7	6640.1	2635.0	1188.7	733.5	577.1	458.0	375.0	326.6
47.5°	19678.1	19092.6	16333.1	6745.2	2596.2	1112.6	668.5	600.7	449.8	355.7	308.6
50°	20598.4	19935.5	17315.7	7059.5	2539.5	1036.5	604.8	687.9	449.8	343.2	293.4
52.5°	21752.6	21096.6	18411.8	7546.6	2426.0	931.4	543.8	689.2	453.9	326.6	274.1
55°	23204.3	22728.3	19977.0	8080.7	2244.8	776.4	470.5	592.3	437.4	296.1	256.0
57.5°	24596.6	24207.7	21403.8	8446.2	2002.5	606.2	409.6	477.4	399.9	260.2	228.3
59°	24977.1	24552.2	21927.0	8462.7	1821.3	528.7	379.2	394.4	391.6	243.6	211.7
60°	24977.1	24526.0	22077.8	8374.1	1689.7	485.8	359.9	351.5	408.3	232.5	202.1
62.5°	24524.6	23890.7	21587.9	7774.9	1378.4	413.8	314.1	290.6	366.8	208.9	178.5
65°	23583.5	22660.5	19918.9	6691.3	1228.9	379.2	271.3	238.0	254.7	184.1	156.4
67.5°	22014.1	20763.1	17512.3	5405.6	1169.5	369.5	233.9	202.1	192.4	157.8	137.0
70°	19250.4	17862.3	14590.7	4250.0	1118.2	365.4	196.6	170.2	155.0	132.8	116.3
72.5°	14010.8	12563.3	10358.7	3322.8	1087.8	373.6	157.8	142.5	127.3	103.8	90.0
75°	8014.3	7066.3	5822.2	2194.9	927.3	357.1	121.8	119.1	91.4	74.7	62.3
77.5°	4140.7	4014.8	3488.9	842.8	444.3	156.4	80.3	69.2	53.9	45.6	37.4
80°	1786.6	1767.2	1529.2	243.6	117.7	87.2	45.6	29.1	24.9	19.4	15.2
82.5°	617.2	617.2	543.8	81.7	52.6	42.9	5.5	0.0	0.0	0.0	0.0
85°	124.5	139.7	98.3	0.0	18.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9
2.5°	8299.4	8131.9	8120.9	8015.7	7884.2	7824.7	7790.2	7851.0	7925.8	7934.1	8046.1
5°	6442.2	6266.4	6339.7	6153.0	6190.3	6153.0	6092.0	6103.1	6136.3	6032.5	6161.3
7.5°	4524.1	4391.2	4475.6	4425.8	4492.2	4518.6	4481.1	4425.8	4262.5	4243.1	4355.3
10°	3410.0	3259.1	3169.2	3075.1	3095.8	3138.8	3124.9	3084.8	2981.0	2986.5	3094.5
12.5°	2740.1	2571.4	2392.8	2161.7	2104.9	2136.8	2104.9	2081.4	1981.8	1990.1	2085.5
15°	2078.7	1940.2	1753.5	1568.0	1467.0	1476.7	1388.1	1325.8	1263.6	1188.7	1246.9
17.5°	1403.3	1318.9	1263.6	1208.1	1087.8	1060.1	948.0	827.6	780.5	746.0	770.9
20°	993.7	948.0	925.9	923.1	853.9	819.3	709.9	635.2	611.7	604.8	620.0
22.5°	830.4	797.1	765.3	747.3	712.7	672.6	589.6	552.2	535.5	527.3	538.3
25°	722.4	697.5	664.3	633.8	620.0	577.1	517.6	489.9	478.8	470.5	476.1
27.5°	642.1	620.0	581.3	561.9	550.8	513.5	462.2	440.1	430.4	427.7	426.3
30°	578.5	557.7	521.8	499.6	480.2	447.0	416.6	394.4	384.7	381.9	379.2
32.5°	514.9	498.2	474.7	452.5	431.8	401.3	375.0	357.1	341.8	339.1	337.7
35°	434.6	418.0	405.5	404.1	384.7	355.7	336.3	312.8	300.3	296.1	297.5
37.5°	386.1	364.0	336.3	346.0	340.5	319.7	293.4	269.9	257.4	254.7	254.7
40°	355.7	332.1	300.3	283.7	300.3	296.1	254.7	231.1	218.6	217.2	214.5
42.5°	326.6	303.1	267.1	239.4	247.7	260.2	220.0	197.9	185.5	182.7	178.5
45°	305.8	281.0	240.8	208.9	192.4	218.6	188.2	160.5	153.6	148.1	145.3
47.5°	286.5	263.0	217.2	181.3	153.6	157.8	150.8	131.4	123.2	117.7	116.3
50°	269.9	245.0	196.6	155.0	127.3	116.3	121.8	103.8	96.9	91.4	88.6
52.5°	250.5	226.9	174.4	134.2	106.6	91.4	92.7	81.7	74.7	70.6	69.2
55°	235.3	211.7	156.4	117.7	94.1	74.7	66.4	63.6	59.5	56.7	55.3
57.5°	214.5	192.4	138.4	99.7	80.3	60.9	51.2	51.2	49.8	47.0	45.6
59°	202.1	182.7	127.3	90.0	73.3	52.6	45.6	47.0	45.6	42.9	41.5
60°	192.4	174.4	119.1	83.0	69.2	48.4	41.5	44.2	42.9	40.1	38.8
62.5°	170.2	157.8	102.4	69.2	60.9	38.8	34.6	37.4	37.4	36.0	34.6
65°	149.4	135.6	87.2	58.1	56.7	33.3	27.7	33.3	34.6	31.9	29.1
67.5°	130.0	116.3	76.1	47.0	52.6	26.3	20.8	27.7	37.4	29.1	26.3
70°	110.7	96.9	59.5	37.4	55.3	18.0	16.6	24.9	44.2	31.9	24.9
72.5°	85.8	74.7	41.5	27.7	59.5	12.5	12.5	20.8	49.8	34.6	23.6
75°	59.5	48.4	24.9	16.6	48.4	8.3	8.3	19.4	47.0	31.9	22.2
77.5°	34.6	26.3	8.3	1.4	24.9	0.0	1.4	13.9	33.3	19.4	9.7
80°	12.5	5.5	0.0	0.0	15.2	0.0	0.0	0.0	2.8	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9
2.5°	8075.2	8262.1	8429.5	8682.8	8983.1	9329.1	9626.6	9946.3	10246.6	10371.2	10457.0
5°	6187.5	6418.6	6688.5	7060.8	7556.2	8166.6	8738.1	9384.4	10079.2	10426.5	10753.1
7.5°	4374.6	4609.9	4944.7	5340.6	5939.8	6666.3	7413.7	8306.3	9247.4	9796.8	10337.9
10°	3145.6	3434.9	3747.7	4288.8	4897.7	5587.0	6356.4	7352.8	8401.8	9010.8	9662.6
12.5°	2141.0	2470.3	2943.6	3549.8	4265.3	4940.6	5609.0	6559.8	7777.7	8381.0	9080.0
15°	1284.3	1467.0	1968.0	2669.6	3547.0	4388.4	5120.5	6074.1	7372.2	8111.2	8837.8
17.5°	791.6	876.0	1148.7	1724.4	2646.1	3710.4	4713.6	5909.4	7430.3	8329.9	9107.6
20°	631.0	664.3	751.5	1018.6	1753.5	2963.0	4255.6	5876.2	7905.0	9012.2	9846.6
22.5°	548.0	579.9	638.0	740.4	1103.0	2218.5	3821.0	5906.6	8585.9	10034.8	11009.1
25°	483.0	510.7	566.0	650.4	808.2	1562.5	3356.0	6042.2	9473.0	11304.0	12339.1
27.5°	431.8	455.3	506.5	584.0	693.4	1090.6	2828.7	6206.9	10524.8	12602.1	13623.4
30°	384.7	405.5	451.1	523.2	602.0	838.7	2250.2	6319.0	11577.9	13623.4	14540.9
32.5°	344.6	359.9	401.3	462.2	523.2	668.5	1710.5	6301.0	12359.9	14473.1	15201.1
35°	303.1	318.3	354.3	406.9	455.3	552.2	1345.2	5964.7	13040.7	15354.7	15956.7
37.5°	257.4	276.8	311.4	358.5	391.6	485.8	1087.8	5559.2	13731.3	16362.2	16799.5
40°	218.6	238.0	268.5	319.7	340.5	460.8	835.9	5065.2	14507.7	17488.7	17724.0
42.5°	181.3	199.3	231.1	275.4	321.1	397.2	618.6	4500.5	15253.6	18451.9	18566.8
45°	146.7	164.7	197.9	242.2	343.2	329.4	478.8	3895.7	15855.7	19253.2	19290.6
47.5°	116.3	132.8	167.5	228.3	319.7	263.0	341.8	3421.1	16360.8	19878.8	19780.5
50°	90.0	103.8	139.7	261.6	279.6	217.2	258.8	3263.3	16813.3	20266.2	20011.6
52.5°	70.6	83.0	114.9	245.0	217.2	179.9	217.2	3411.4	17433.4	20587.3	20141.6
55°	56.7	69.2	90.0	139.7	148.1	152.2	185.5	3549.8	18503.1	21340.2	20909.8
57.5°	47.0	59.5	73.3	98.3	112.1	128.7	164.7	3565.0	19763.9	22591.2	22184.3
59°	42.9	53.9	66.4	87.2	98.3	117.7	155.0	3481.9	20208.2	23046.6	22843.1
60°	40.1	51.2	62.3	80.3	91.4	110.7	149.4	3403.0	20227.4	23029.9	23124.1
62.5°	34.6	45.6	55.3	67.8	77.5	94.1	134.2	3111.1	19408.2	22275.7	22955.2
65°	30.5	40.1	49.8	58.1	66.4	84.4	121.8	2578.2	18009.1	21059.2	21799.6
67.5°	27.7	34.6	45.6	51.2	59.5	74.7	108.0	1837.9	16261.2	19571.5	20051.7
70°	24.9	33.3	41.5	47.0	53.9	65.0	92.7	1055.9	13731.3	17393.2	17735.0
72.5°	23.6	31.9	37.4	44.2	48.4	58.1	84.4	496.8	10054.2	13933.3	14826.0
75°	20.8	29.1	34.6	41.5	45.6	52.6	72.0	238.0	6687.1	10083.3	11097.7
77.5°	12.5	23.6	31.9	37.4	40.1	45.6	59.5	137.0	4268.1	6979.2	8220.5
80°	0.0	8.3	23.6	31.9	34.6	38.8	45.6	108.0	2283.5	3987.1	4785.6
82.5°	0.0	0.0	16.6	24.9	23.6	26.3	34.6	67.8	1029.6	2605.9	2936.7
85°	0.0	0.0	5.5	19.4	16.6	12.5	23.6	23.6	225.6	1318.9	1645.5
87.5°	0.0	0.0	0.0	1.4	8.3	5.5	9.7	2.8	1.4	98.3	398.6
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: P383340

CATALOG NUMBER: GLEON-SA6C-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9	9515.9
2.5°	10757.2	10859.7	11032.7	11114.3	11074.1	10904.0	10700.5	10493.0	10371.2	10419.5
5°	11418.8	11946.1	12250.5	12351.6	12182.7	11800.8	11301.2	10642.4	10408.6	10344.8
7.5°	11418.8	12411.1	13039.3	13150.1	12773.7	12025.0	11088.0	10059.8	9717.9	9593.4
10°	11017.4	12368.2	13244.2	13420.0	12894.0	11774.5	10519.2	9345.7	8940.2	8811.5
12.5°	10564.9	12019.4	12942.5	13184.7	12752.9	11525.4	10124.8	8862.7	8385.2	8273.1
15°	10286.7	11590.4	12354.3	12530.1	12347.4	11380.1	10030.7	8717.3	8155.5	8047.5
17.5°	10386.4	11258.2	11533.7	11636.1	11759.2	11328.8	10286.7	9035.6	8324.3	8221.9
20°	10761.4	10908.1	10765.6	10894.3	11226.5	11378.7	10897.1	9805.1	8951.2	8814.2
22.5°	11398.0	10726.9	10326.9	10378.1	10782.2	11543.4	11829.8	10904.0	9918.7	9747.0
25°	12139.8	10873.5	10083.3	10037.6	10452.8	11760.6	12682.3	12099.7	11063.2	10873.5
27.5°	13072.6	11202.9	10033.5	9987.8	10337.9	11964.1	13390.9	13281.5	12268.5	11944.7
30°	13792.2	11526.7	10181.5	10076.4	10452.8	12105.2	13959.7	14284.9	13229.0	13014.5
32.5°	14308.4	11908.7	10422.3	10270.1	10776.6	12348.8	14398.4	15203.8	14117.4	13792.2
35°	14701.5	12323.9	10811.3	10560.8	11222.3	12718.3	14809.4	16182.3	15062.7	14707.0
37.5°	15069.6	12906.5	11418.8	11119.9	11921.1	13313.4	15243.9	17292.1	16120.0	15695.1
40°	15583.0	13566.7	12355.7	12090.0	13096.1	14124.4	15786.5	18449.1	17322.6	16788.4
42.5°	16096.5	14275.2	13314.8	13386.7	14561.7	15109.7	16486.7	19672.5	18510.0	17939.8
45°	16565.6	15005.9	14680.7	15012.8	15922.1	16190.6	17182.9	20379.7	19458.0	18907.2
47.5°	16983.6	15919.3	16038.4	16922.7	17469.3	17169.0	17703.2	20990.0	20163.8	19678.1
50°	17469.3	17101.2	17827.8	19078.8	19250.4	18054.7	18176.5	21712.4	20988.6	20598.4
52.5°	18000.8	18346.7	19809.5	20912.5	20857.2	19016.5	18652.6	22522.0	22119.3	21752.6
55°	18604.1	19352.8	21554.7	22628.6	22581.6	20090.5	19441.4	23522.6	23536.5	23204.3
57.5°	19499.5	20219.1	22739.4	24016.7	24095.6	21330.5	20778.3	24643.6	24818.0	24596.6
59°	20141.6	20781.1	23208.5	24596.6	24917.6	22289.5	21755.4	25294.0	25179.2	24977.1
60°	20617.8	21138.1	23441.0	24899.6	25395.1	22940.0	22476.4	25676.0	25222.1	24977.1
62.5°	21795.5	21915.9	23860.3	25242.8	25944.5	24384.8	24505.2	26326.5	24924.6	24524.6
65°	22344.9	22407.2	23854.8	24628.3	25413.1	25510.0	26345.8	26345.8	24198.0	23583.5
67.5°	22115.1	21814.9	22671.5	22591.2	23374.6	24841.5	27037.8	25379.8	22808.5	22014.1
70°	20246.8	19091.3	18710.7	18745.3	19344.5	21607.2	25667.7	22537.3	20179.1	19250.4
72.5°	16846.6	14074.6	13134.8	14207.4	14363.8	16605.8	21874.3	16972.5	14881.4	14010.8
75°	13550.0	9921.4	8393.5	9525.5	9791.3	12152.2	16921.3	10570.5	8692.5	8014.3
77.5°	9734.6	7121.7	6022.8	5943.9	6287.2	7707.1	12007.0	5319.8	4436.9	4140.7
80°	5530.1	4687.4	5047.2	4762.1	4935.1	4818.8	5704.5	2333.3	1911.2	1786.6
82.5°	3338.0	2770.6	3000.3	2497.9	3160.9	2752.6	2197.7	747.3	649.1	617.2
85°	2171.3	1514.0	788.8	528.7	1089.2	1758.9	491.3	203.4	156.4	124.5
87.5°	748.7	386.1	38.8	16.6	116.3	328.0	18.0	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

(END OF REPORT)