

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: STREETWORKS

Report Number: P458702

Luminaire Tested: **GLAN-SA2C-735-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2C-735-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11352 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

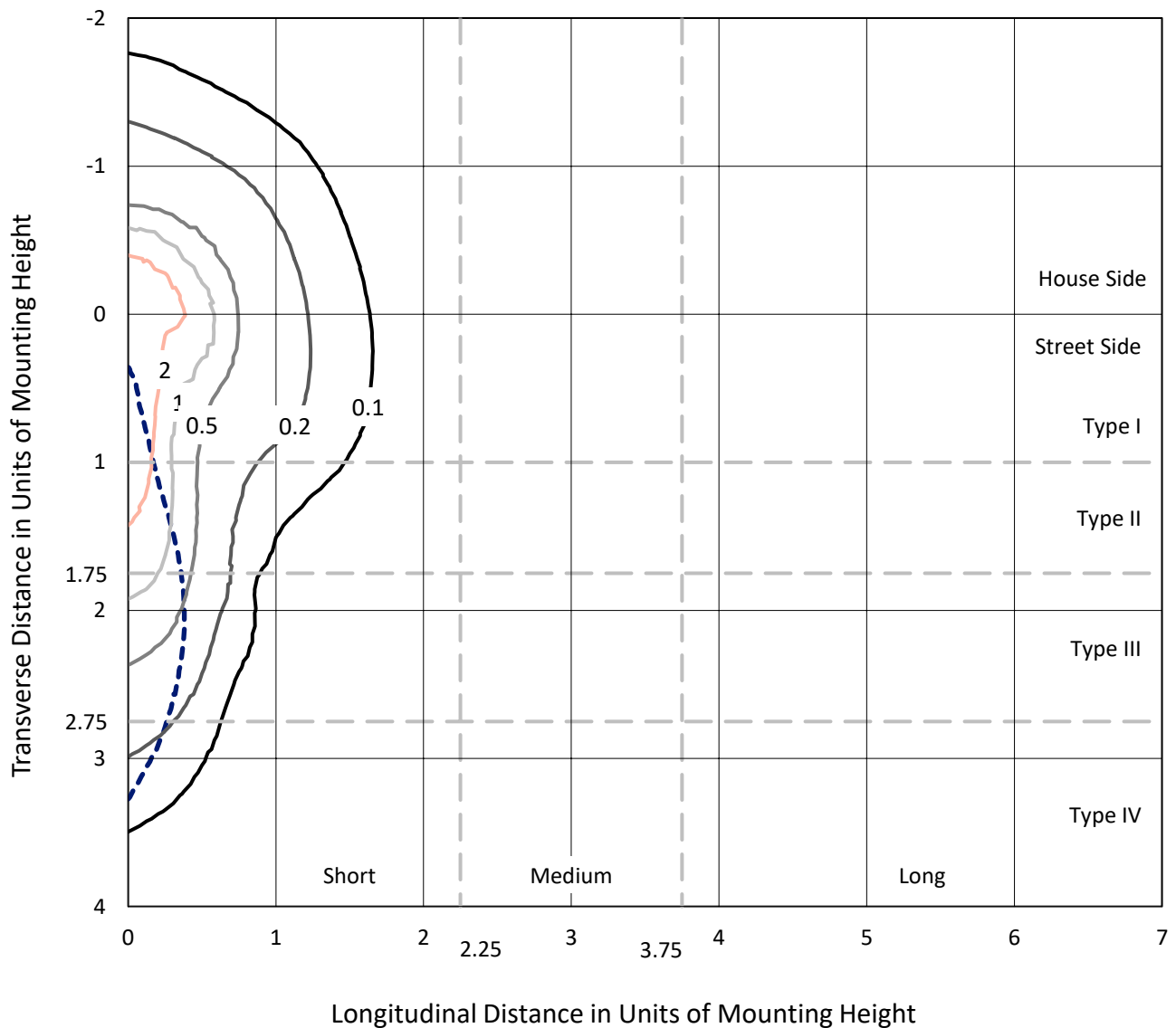
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

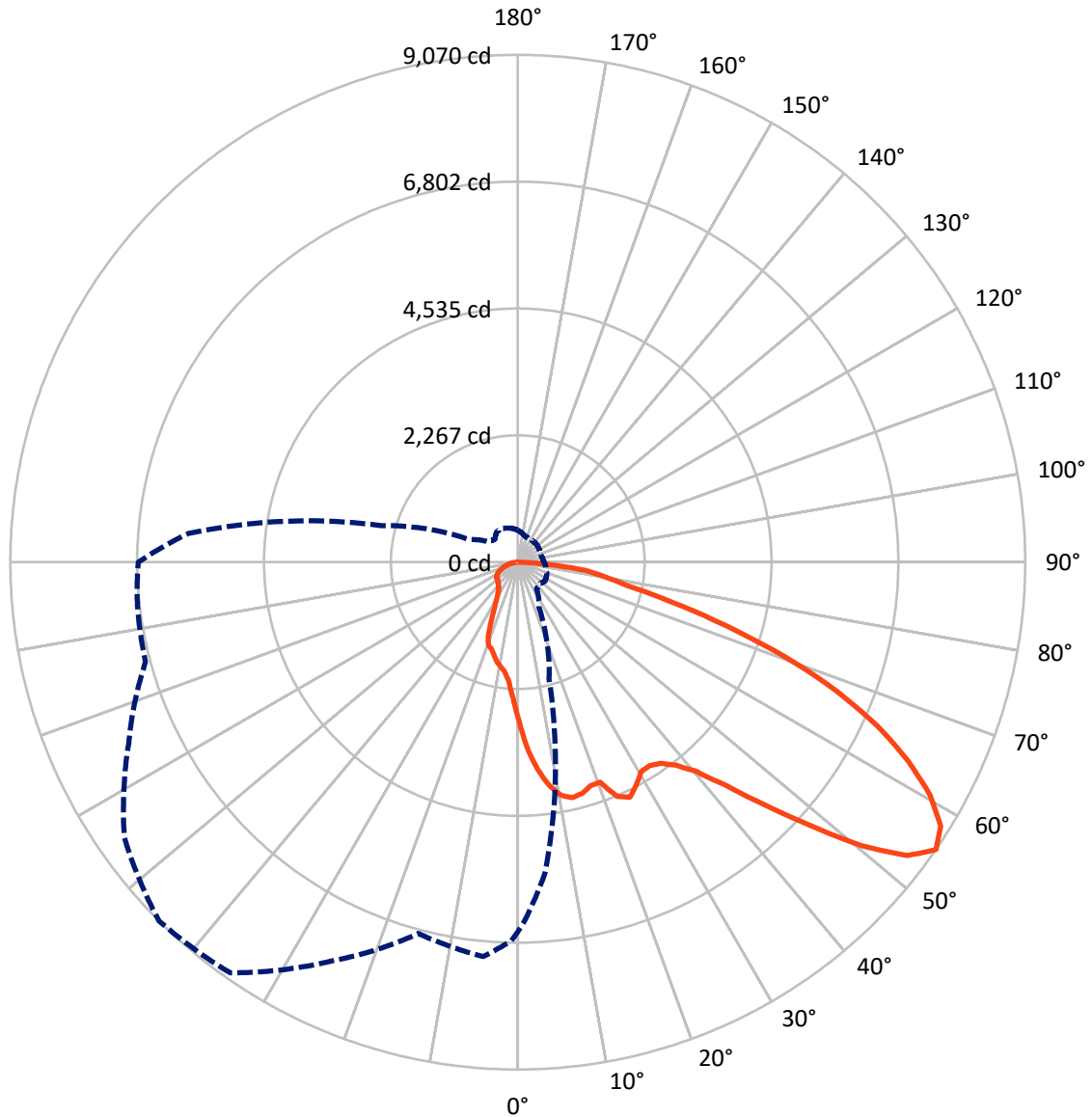
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2483.2	0.0	2483.2
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	8868.8	0.0	8868.8
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	11352.0	0.0	11352.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.5	2.1
10°-20°	640.6	5.6
20°-30°	1106.6	9.7
30°-40°	1286.1	11.3
40°-50°	1794.3	15.8
50°-60°	2434.7	21.4
60°-70°	2316.4	20.4
70°-80°	1251.4	11.0
80°-90°	280.4	2.5
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°	11352.0	100.0
0°-180°	11352.0	100.0

**Coefficient of Utilization**



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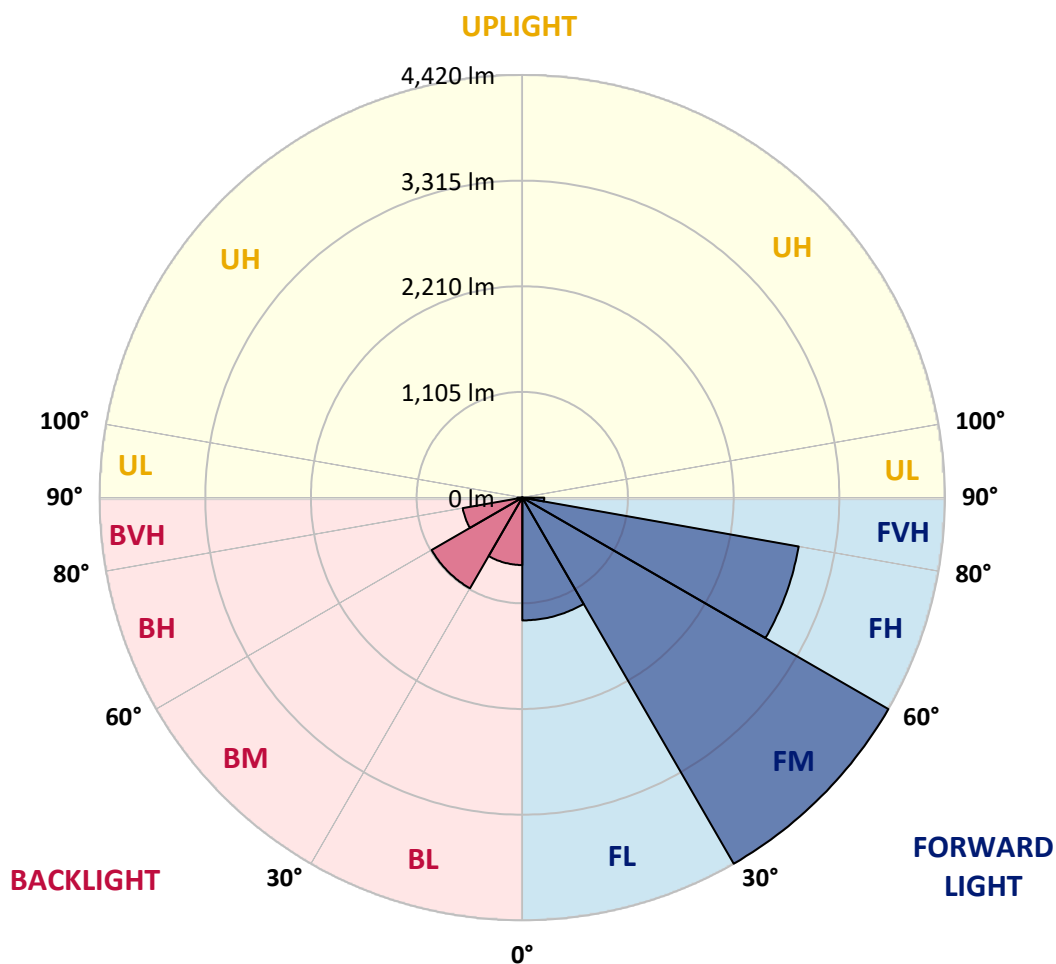
CATALOG NUMBER: GLAN-SA2C-735-U-SLR

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1283.9	11.3			
FM	(30°-60°)	4420.2	38.9			
FH	(60°-80°)	2935.4	25.9			G2/5000
FVH	(80°-90°)	229.2	2.0			G3/500
BL	(0°-30°)	704.7	6.2	B2/1000		
BM	(30°-60°)	1094.9	9.6	B2/2500		
BH	(60°-80°)	632.3	5.6	B2/1000		G2/1000
BVH	(80°-90°)	51.2	0.5			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9
2.5°	3165.0	3153.0	3119.3	3030.9	2941.8	2851.2	2781.5	2694.6	2604.0	2555.3	2493.2
5°	3208.4	3194.9	3115.5	2916.3	2735.8	2546.3	2395.1	2262.5	2208.6	2129.2	2065.5
7.5°	3106.5	3100.5	2981.5	2695.4	2448.2	2200.3	2028.8	1922.5	1825.9	1789.9	1797.4
10°	3013.7	2989.7	2840.7	2467.0	2178.6	1977.2	1854.3	1750.2	1682.1	1664.1	1667.9
12.5°	2936.5	2904.3	2728.3	2313.4	2061.0	1900.0	1743.5	1634.9	1572.7	1590.0	1648.4
15°	2920.8	2877.4	2681.1	2261.0	1996.6	1789.2	1617.7	1492.6	1446.2	1483.6	1577.2
17.5°	3022.7	2968.0	2762.0	2278.2	1935.2	1676.1	1465.6	1322.6	1283.7	1343.6	1465.6
20°	3349.9	3269.1	3014.4	2377.8	1929.2	1619.9	1377.3	1233.5	1250.0	1363.8	1491.1
22.5°	3955.1	3833.7	3456.3	2523.1	1960.7	1605.7	1359.3	1284.4	1375.0	1471.6	1555.5
25°	4074.9	3979.8	3535.7	2556.1	1953.9	1596.0	1410.2	1447.7	1548.8	1596.7	1567.5
27.5°	4142.3	4033.7	3530.4	2392.8	1747.2	1447.7	1348.1	1410.2	1435.7	1389.3	1309.9
30°	4299.6	4186.5	3619.6	2221.3	1438.7	1074.0	941.4	915.9	933.2	942.1	913.7
32.5°	4516.0	4404.4	3787.3	2109.0	1244.0	888.2	757.9	722.0	713.7	704.0	692.8
35°	4796.1	4624.6	3952.1	2037.1	1163.8	821.6	701.7	674.0	662.8	649.3	637.3
37.5°	5080.7	4901.0	4160.3	1961.4	1110.7	775.1	664.3	651.6	632.1	617.9	600.6
40°	5383.3	5181.8	4349.8	1895.5	1059.0	745.2	637.3	635.8	610.4	593.9	573.7
42.5°	5645.4	5437.9	4519.0	1855.1	1019.3	713.7	620.9	625.4	599.1	574.4	548.2
45°	5853.6	5649.9	4675.5	1855.1	987.1	682.3	617.9	614.9	588.7	557.9	528.0
47.5°	6036.3	5825.9	4828.3	1902.3	966.9	656.1	601.4	606.6	579.7	540.7	511.5
50°	6177.9	5992.1	5034.3	1975.7	946.6	635.1	580.4	608.9	572.2	531.7	498.0
52.5°	6358.4	6192.1	5282.2	2076.0	929.4	611.9	561.7	608.9	571.4	532.5	495.8
55°	6608.5	6433.3	5581.0	2159.1	901.7	590.2	545.2	591.7	569.2	528.7	489.8
57.5°	6783.8	6652.7	5792.2	2214.6	862.0	562.4	530.2	575.2	559.4	514.5	471.8
58°	6792.0	6663.9	5822.9	2227.3	852.3	557.2	526.5	567.7	555.0	508.5	465.8
60°	6697.6	6587.5	5828.9	2209.3	796.9	531.0	507.0	537.0	531.0	473.3	433.6
62.5°	6354.6	6237.0	5587.0	2063.3	723.5	498.8	477.1	495.8	482.3	423.9	387.2
65°	5867.1	5650.6	5089.7	1834.1	671.0	464.3	436.6	438.1	423.9	382.0	349.7
67.5°	5217.8	4975.9	4309.3	1545.8	631.3	426.1	388.7	384.9	367.7	340.8	314.5
70°	4418.7	4253.1	3502.0	1257.4	587.2	384.2	334.8	332.5	322.0	301.8	278.6
72.5°	3581.4	3370.9	2827.9	1006.6	533.2	343.8	284.6	289.1	275.6	261.4	240.4
75°	2643.0	2505.2	2186.1	807.3	460.6	299.6	237.4	238.9	232.9	217.9	201.5
77.5°	1740.5	1699.3	1563.8	530.2	354.2	238.2	194.0	195.5	191.0	177.5	160.3
80°	1171.3	1143.6	1059.7	341.5	236.7	172.3	149.8	151.3	150.5	136.3	113.1
82.5°	722.0	710.0	683.0	230.7	164.0	123.6	98.9	103.4	111.6	95.9	77.1
85°	340.8	341.5	412.7	125.8	96.6	79.4	53.9	57.7	57.7	57.7	43.4
87.5°	44.2	46.4	56.9	53.2	35.2	30.0	19.5	16.5	14.2	18.7	13.5
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°	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9
2.5°	2471.5	2456.5	2424.3	2416.8	2412.3	2425.0	2391.3	2400.3	2385.3	2427.3	2420.5
5°	2069.3	2070.8	2097.0	2114.2	2120.2	2114.2	2091.7	2052.8	2022.8	2010.9	2013.9
7.5°	1783.2	1809.4	1854.3	1904.5	1950.2	1963.7	1950.9	1876.8	1795.9	1745.0	1728.5
10°	1688.1	1723.3	1775.0	1814.6	1855.1	1887.3	1894.0	1836.4	1740.5	1619.9	1572.7
12.5°	1693.3	1741.2	1790.7	1803.4	1799.7	1812.4	1806.4	1796.7	1733.8	1580.2	1501.6
15°	1643.9	1700.8	1735.3	1728.5	1716.5	1705.3	1689.6	1664.9	1642.4	1534.5	1447.7
17.5°	1530.1	1588.5	1616.9	1619.2	1619.2	1616.2	1578.0	1569.0	1566.0	1513.6	1460.4
20°	1551.0	1583.2	1570.5	1549.5	1555.5	1575.7	1553.3	1548.8	1566.0	1589.2	1579.5
22.5°	1563.0	1551.8	1455.9	1363.0	1342.1	1405.0	1417.7	1467.9	1537.5	1621.4	1676.1
25°	1488.9	1398.2	1226.7	1121.9	1062.7	1121.1	1197.5	1290.4	1394.5	1502.3	1566.0
27.5°	1244.7	1175.8	1053.0	958.6	906.9	915.9	981.1	1065.7	1162.3	1235.0	1281.4
30°	937.7	906.9	843.3	811.1	779.6	772.1	799.9	832.1	874.7	883.7	895.7
32.5°	690.5	686.0	689.8	679.3	673.3	672.5	664.3	671.8	676.3	681.5	671.0
35°	624.6	618.6	608.1	605.1	601.4	602.9	599.1	595.4	598.4	602.9	605.9
37.5°	590.9	581.9	566.9	561.7	561.7	563.9	557.9	556.5	561.7	575.9	583.4
40°	564.7	554.2	537.0	530.2	534.7	540.7	532.5	529.5	542.2	557.2	569.2
42.5°	540.0	531.7	515.3	507.8	511.5	522.7	510.8	508.5	525.0	541.5	555.7
45°	519.0	510.8	495.8	492.0	493.5	504.0	495.8	495.8	511.5	529.5	542.2
47.5°	502.5	492.0	482.3	479.3	480.8	486.8	485.3	485.3	500.3	519.0	531.7
50°	486.1	477.1	464.3	465.8	469.6	477.8	477.1	479.3	494.3	517.5	531.0
52.5°	478.6	465.1	450.9	452.4	463.6	473.3	470.3	472.6	489.8	533.2	552.7
55°	470.3	452.4	435.9	438.1	450.9	465.1	461.3	464.3	484.6	543.7	570.7
57.5°	454.6	433.6	415.7	417.2	435.9	450.9	444.9	448.6	472.6	532.5	560.9
58°	447.9	429.9	412.7	413.4	431.4	447.9	441.1	444.1	468.8	529.5	556.5
60°	419.4	408.9	393.9	394.7	411.9	426.1	422.4	425.4	449.4	507.8	528.0
62.5°	380.5	374.5	370.7	370.7	381.2	394.7	398.4	402.2	423.9	459.1	477.1
65°	338.5	338.5	339.3	339.3	346.0	363.2	365.5	375.2	395.4	412.7	426.1
67.5°	310.1	308.6	310.1	306.3	309.3	319.8	331.0	340.0	361.0	373.0	377.5
70°	273.4	272.6	273.4	268.1	271.9	280.8	288.3	303.3	325.0	334.0	336.3
72.5°	237.4	237.4	238.9	235.2	235.2	244.9	250.1	266.6	286.8	292.1	292.8
75°	200.0	202.2	202.2	197.0	198.5	204.5	211.2	224.7	243.4	247.1	247.1
77.5°	158.8	167.0	167.0	161.8	164.0	164.8	173.8	180.5	194.7	196.2	190.2
80°	115.3	123.6	130.3	125.8	129.6	125.1	130.3	134.8	149.0	142.3	132.6
82.5°	82.4	88.4	93.6	94.4	90.6	82.4	89.1	89.9	96.6	87.6	82.4
85°	45.7	50.9	57.7	54.7	48.7	43.4	45.7	47.2	46.4	44.2	41.2
87.5°	12.0	12.7	14.2	10.5	9.7	8.2	11.2	11.2	12.7	13.5	12.7
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°	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9
2.5°	2425.8	2458.7	2529.9	2583.8	2649.7	2729.8	2824.2	2919.3	3021.9	3054.1	3099.0
5°	2007.1	2089.5	2123.9	2222.1	2319.4	2465.5	2621.2	2801.7	2999.4	3094.6	3185.9
7.5°	1715.0	1759.2	1795.2	1867.1	1983.9	2161.4	2356.9	2582.3	2862.4	3000.9	3135.0
10°	1557.8	1562.3	1606.4	1695.6	1797.4	1953.9	2138.9	2391.3	2703.6	2872.1	3029.4
12.5°	1453.7	1434.2	1482.1	1575.0	1690.3	1834.9	2004.9	2245.3	2589.0	2762.0	2952.3
15°	1362.3	1331.6	1367.5	1462.6	1576.5	1746.5	1929.2	2183.9	2544.1	2745.6	2956.8
17.5°	1364.5	1279.9	1292.6	1372.8	1485.9	1658.9	1880.5	2181.6	2612.2	2844.4	3094.6
20°	1533.0	1397.5	1339.8	1354.8	1464.1	1652.9	1903.0	2286.5	2836.2	3174.7	3442.1
22.5°	1698.6	1616.9	1524.1	1493.4	1553.3	1751.0	2046.1	2534.4	3323.0	3833.0	4316.1
25°	1640.9	1710.5	1687.3	1643.9	1657.4	1821.4	2143.4	2738.1	3701.2	4275.6	4729.5
27.5°	1312.9	1439.4	1464.9	1464.1	1469.4	1604.2	1927.7	2601.0	3748.4	4360.2	4793.9
30°	922.7	933.9	947.4	973.6	997.6	1118.1	1508.3	2283.5	3727.4	4398.4	4832.8
32.5°	665.8	680.8	699.5	735.4	792.4	945.9	1319.6	2182.4	3838.2	4556.5	4946.6
35°	608.9	626.1	644.1	685.3	739.2	881.5	1244.7	2140.4	4020.2	4812.6	5151.1
37.5°	590.9	610.4	626.1	656.1	699.5	835.1	1176.6	2112.0	4206.7	5083.7	5425.2
40°	578.2	600.6	613.4	637.3	667.3	792.4	1115.9	2089.5	4387.2	5331.6	5645.4
42.5°	566.9	590.2	606.6	623.9	648.6	754.2	1062.0	2067.0	4543.7	5572.0	5864.8
45°	553.5	582.7	603.6	617.1	638.8	722.0	1020.8	2049.1	4722.0	5785.4	6086.5
47.5°	542.2	574.4	600.6	616.4	624.6	699.5	987.8	2073.8	4936.2	6008.6	6292.5
50°	543.0	573.7	606.6	631.3	609.6	680.8	967.6	2171.9	5214.8	6273.7	6455.0
52.5°	566.9	604.4	630.6	636.6	588.7	658.3	957.1	2343.4	5544.3	6508.2	6619.0
55°	593.9	632.8	661.3	657.6	577.4	629.8	954.9	2526.1	5905.3	6781.5	6832.4
57.5°	584.2	641.1	684.5	665.0	578.2	602.1	945.1	2673.7	6207.1	6986.0	7043.6
58°	581.2	638.1	687.5	663.5	575.9	593.9	942.9	2686.4	6249.0	7000.2	7073.6
60°	552.0	611.9	685.3	652.3	563.2	571.4	918.2	2727.6	6237.8	6926.8	7091.6
62.5°	498.8	548.2	633.6	597.6	524.2	541.5	862.8	2676.7	5933.7	6573.3	6828.7
65°	438.9	475.6	532.5	525.7	468.8	510.8	787.1	2475.2	5324.9	5999.6	6268.5
67.5°	393.9	423.9	459.8	450.1	421.6	469.6	705.5	2134.4	4641.8	5310.6	5649.1
70°	348.2	371.5	389.4	382.7	373.7	429.1	632.8	1732.3	3987.3	4656.1	4984.1
72.5°	301.8	323.5	338.5	328.8	323.5	386.4	573.7	1344.3	3149.2	3841.2	4262.9
75°	252.4	274.1	284.6	273.4	270.4	340.8	486.1	1004.3	2362.9	2961.2	3325.2
77.5°	195.5	218.7	232.2	228.4	229.9	280.1	392.4	687.5	1689.6	2018.4	2401.8
80°	137.1	162.5	171.5	167.8	178.2	213.4	277.1	436.6	1165.3	1309.9	1580.2
82.5°	84.6	108.6	110.1	113.8	121.3	158.0	208.9	265.9	731.7	756.4	952.6
85°	42.7	51.7	55.4	61.4	68.2	96.6	119.1	164.8	471.1	356.5	532.5
87.5°	14.2	15.0	18.0	22.5	27.7	39.7	50.9	67.4	116.8	64.4	164.8
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: P458702

CATALOG NUMBER: GLAN-SA2C-735-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9	2848.9
2.5°	3189.7	3253.3	3299.8	3342.4	3301.3	3297.5	3257.1	3191.9	3165.0	3165.0
5°	3377.6	3526.7	3647.3	3724.4	3691.4	3612.1	3481.0	3314.0	3224.1	3208.4
7.5°	3429.3	3723.7	3947.6	4027.0	3971.5	3796.3	3545.4	3263.8	3135.0	3106.5
10°	3397.9	3780.6	4109.3	4235.2	4158.0	3892.9	3550.7	3205.4	3046.6	3013.7
12.5°	3364.9	3788.1	4139.3	4321.3	4271.1	3970.8	3588.8	3167.2	2983.7	2936.5
15°	3388.9	3791.1	4102.6	4290.6	4322.8	4064.4	3651.8	3194.9	2971.0	2920.8
17.5°	3540.2	3848.0	4050.2	4202.2	4315.3	4191.7	3830.7	3327.5	3084.8	3022.7
20°	3856.2	3984.3	4080.1	4197.7	4379.7	4451.6	4197.0	3691.4	3404.6	3349.9
22.5°	4771.4	4748.2	4552.0	4549.7	4813.3	5101.7	5084.4	4431.4	4000.0	3955.1
25°	5114.4	5006.6	4722.7	4653.8	4769.9	5214.8	5150.4	4582.7	4184.2	4074.9
27.5°	4980.3	4713.0	4526.5	4510.8	4472.6	4892.7	5047.8	4644.1	4248.6	4142.3
30°	4972.1	4578.9	4312.3	4343.8	4380.5	4781.9	5104.7	4836.6	4413.4	4299.6
32.5°	4992.3	4597.6	4328.0	4334.0	4443.4	4798.4	5167.6	5046.3	4629.9	4516.0
35°	5074.0	4704.0	4428.4	4414.2	4584.9	4906.2	5274.7	5375.8	4925.7	4796.1
37.5°	5205.8	4915.9	4611.9	4608.1	4856.0	5100.9	5408.0	5708.3	5220.0	5080.7
40°	5399.7	5163.8	4938.4	4918.2	5224.5	5417.7	5581.0	6062.5	5562.3	5383.3
42.5°	5634.2	5461.2	5369.0	5449.2	5743.5	5773.5	5850.6	6389.8	5853.6	5645.4
45°	5851.3	5843.1	5971.2	6183.9	6355.4	6175.6	6132.2	6609.3	6079.8	5853.6
47.5°	6109.7	6332.9	6719.4	7030.9	7210.6	6643.7	6372.6	6752.3	6244.5	6036.3
50°	6371.8	6919.3	7536.4	7970.8	8009.0	7152.2	6538.1	6887.1	6394.3	6177.9
52.5°	6647.5	7387.4	8209.0	8713.7	8639.6	7594.8	6698.4	6978.5	6548.6	6358.4
55°	6887.1	7674.2	8584.9	9069.5	8960.9	7864.5	6871.4	7077.3	6768.8	6608.5
57.5°	7021.2	7698.2	8491.3	8914.4	8796.9	7812.0	6950.8	7150.7	6909.6	6783.8
58°	7040.6	7666.0	8408.2	8824.6	8704.7	7767.8	6950.0	7147.7	6918.6	6792.0
60°	7023.4	7457.0	8098.9	8469.6	8343.8	7490.7	6921.6	7091.6	6804.7	6697.6
62.5°	6863.9	7094.6	7564.9	7834.5	7798.6	7057.9	6804.7	6879.6	6458.0	6354.6
65°	6654.2	6600.3	6881.1	7072.1	7099.1	6733.6	6688.6	6421.3	6013.1	5867.1
67.5°	6399.6	6040.1	6039.3	6147.9	6192.9	6234.8	6446.7	5923.2	5372.0	5217.8
70°	5967.4	5176.6	4938.4	5066.5	5029.0	5383.3	6014.6	5223.7	4599.1	4418.7
72.5°	5175.1	4107.9	3726.6	3891.4	3797.0	4221.7	5262.7	4298.8	3803.0	3581.4
75°	4194.7	3072.8	2679.7	2830.9	2772.5	3202.4	4379.0	3122.3	2727.6	2643.0
77.5°	3257.1	2226.6	1998.1	1977.2	2020.6	2383.1	3212.1	2108.2	1798.2	1740.5
80°	2092.5	1593.7	1607.2	1580.2	1602.7	1502.3	1950.2	1345.1	1217.8	1171.3
82.5°	1377.3	1110.7	1324.1	1222.2	1160.8	1010.3	1279.2	880.7	747.4	722.0
85°	938.4	817.8	744.4	569.2	670.3	778.1	959.4	474.1	376.0	340.8
87.5°	423.9	284.6	208.9	128.8	203.7	235.2	465.8	55.4	42.7	44.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)