

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: P648771

Luminaire Tested: **GLAN-SA2C-835-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P648771  
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-835-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 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: 9542.4 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

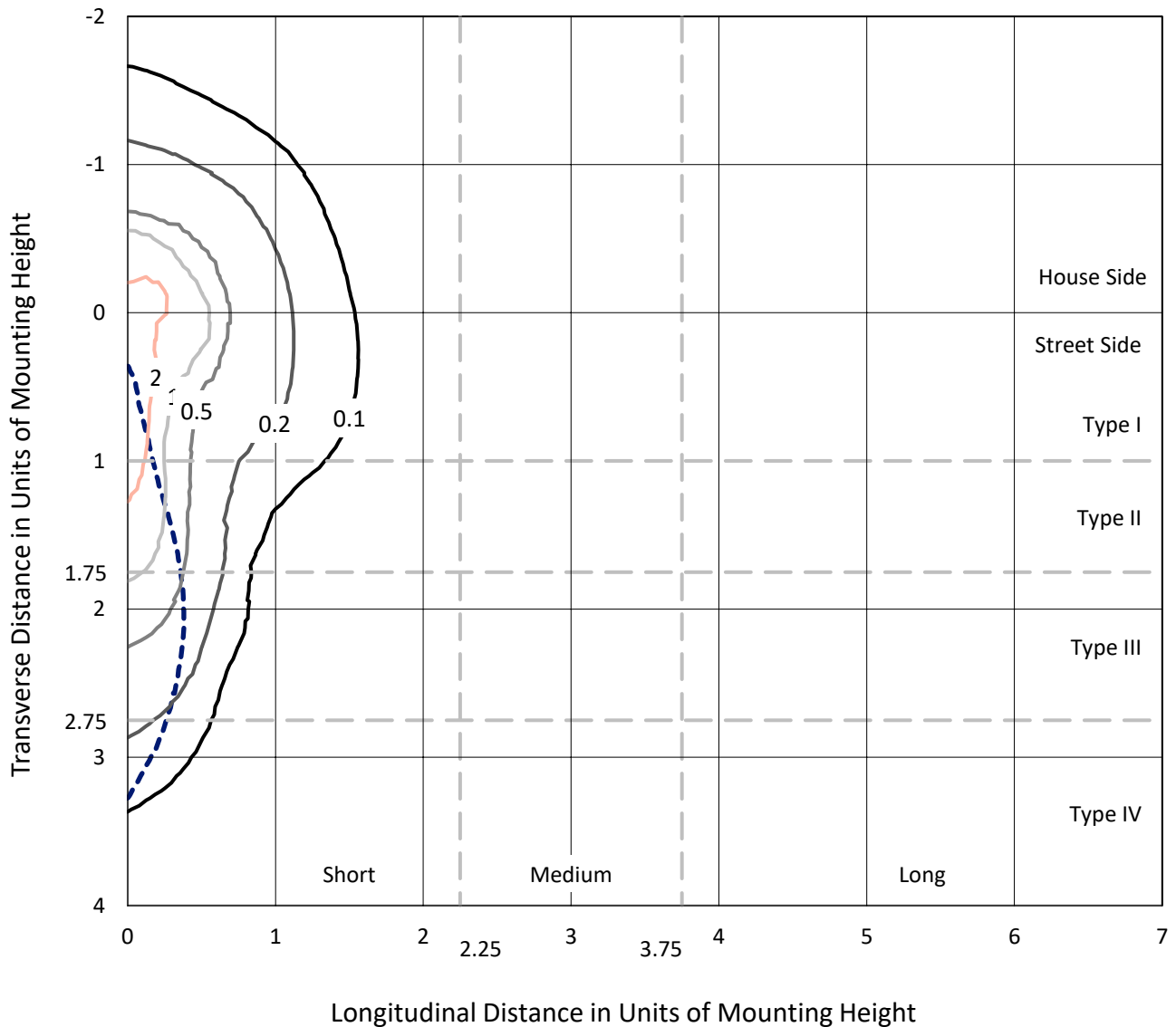
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

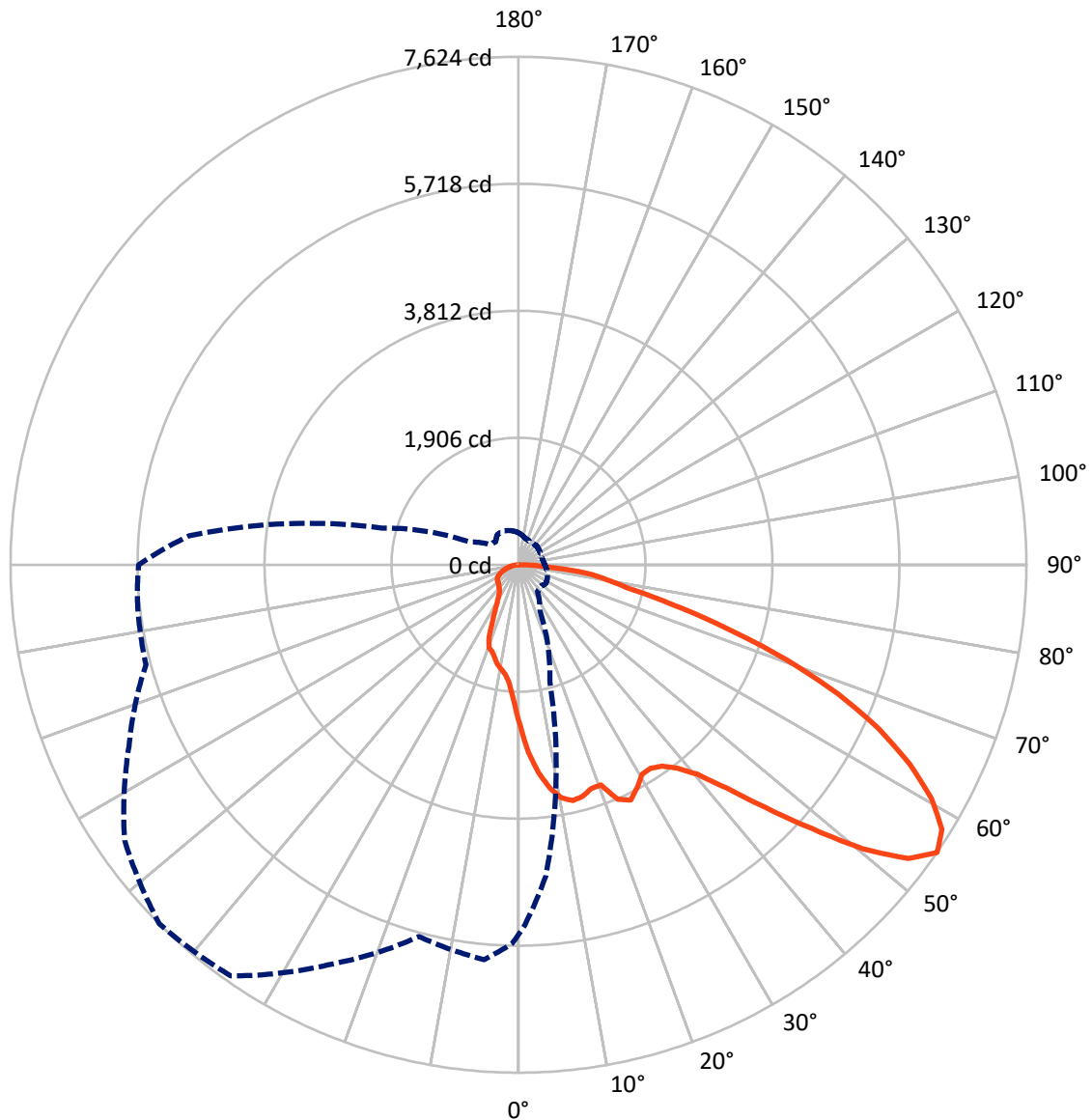
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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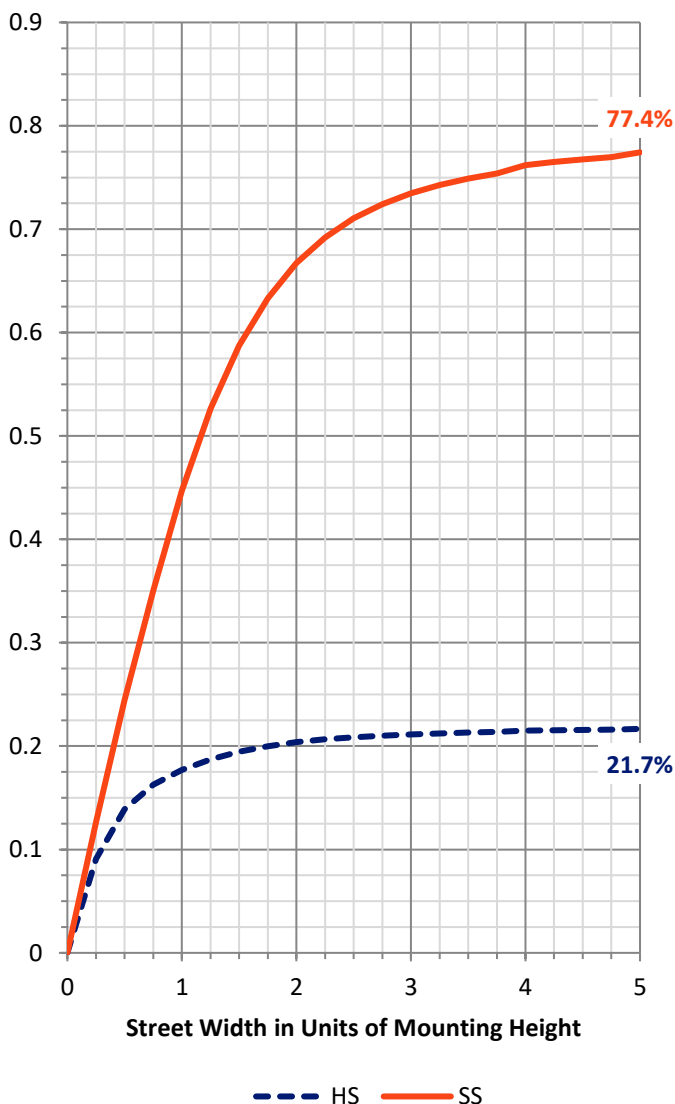
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2087.4	0.0	2087.4
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	7455.1	0.0	7455.1
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	9542.4	0.0	9542.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.0	2.1
10°-20°	538.5	5.6
20°-30°	930.2	9.7
30°-40°	1081.1	11.3
40°-50°	1508.3	15.8
50°-60°	2046.6	21.4
60°-70°	1947.1	20.4
70°-80°	1051.9	11.0
80°-90°	235.7	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°	9542.4	100.0
0°-180°	9542.4	100.0

**Coefficient of Utilization**

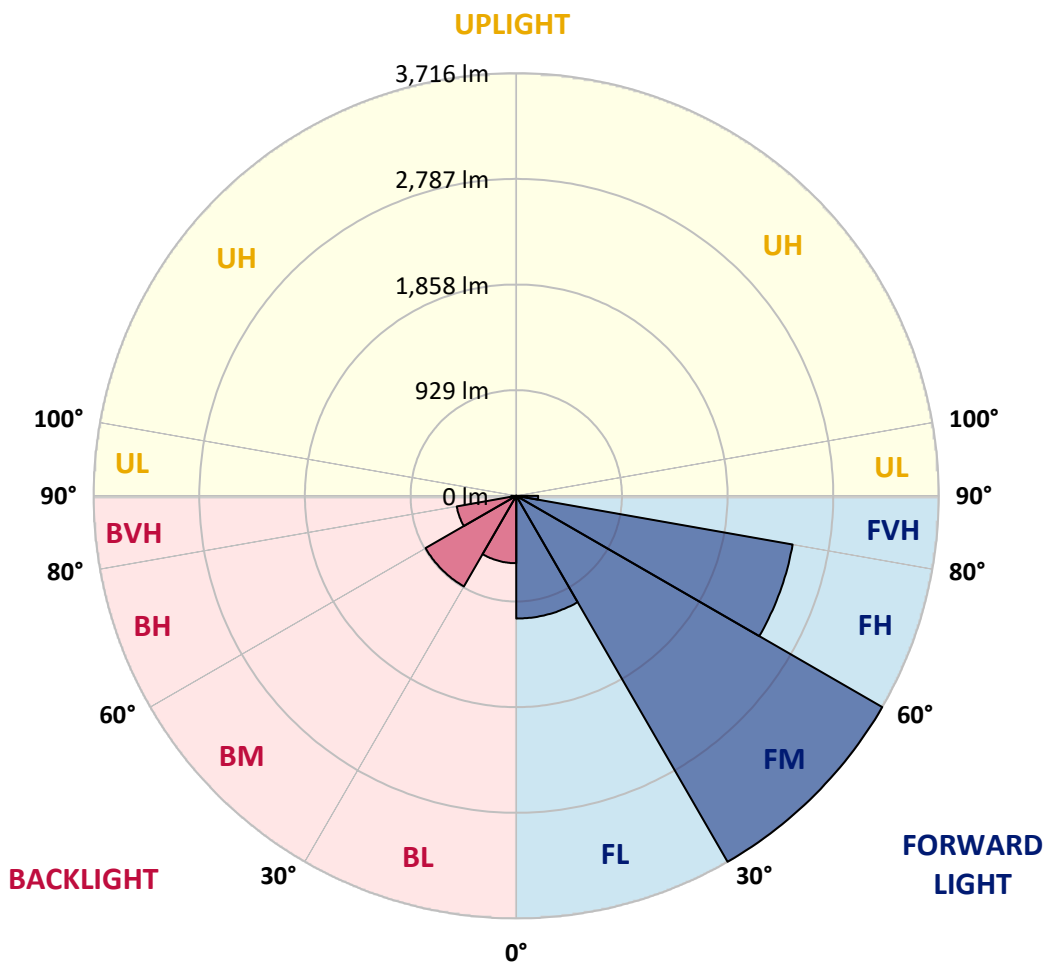


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1079.3	11.3			
FM (30°-60°)	3715.6	38.9			
FH (60°-80°)	2467.5	25.9			G2/5000
FVH (80°-90°)	192.7	2.0			G2/225
BL (0°-30°)	592.4	6.2	B2/1000		
BM (30°-60°)	920.4	9.6	B1/1000		
BH (60°-80°)	531.5	5.6	B2/1000		G2/1000
BVH (80°-90°)	43.1	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-G2**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8
2.5°	2660.5	2650.4	2622.0	2547.7	2472.9	2396.7	2338.1	2265.1	2188.9	2148.0	2095.8
5°	2697.0	2685.6	2618.9	2451.4	2299.7	2140.4	2013.2	1901.8	1856.5	1789.8	1736.3
7.5°	2611.3	2606.3	2506.2	2265.7	2058.0	1849.6	1705.5	1616.0	1534.8	1504.6	1510.9
10°	2533.2	2513.1	2387.8	2073.7	1831.4	1662.0	1558.7	1471.3	1413.9	1398.8	1402.0
12.5°	2468.4	2441.4	2293.4	1944.7	1732.5	1597.2	1465.5	1374.3	1322.0	1336.5	1385.6
15°	2455.2	2418.7	2253.8	1900.6	1678.4	1504.0	1359.8	1254.7	1215.6	1247.1	1325.8
17.5°	2540.8	2494.9	2321.8	1915.1	1626.8	1408.9	1232.1	1111.8	1079.1	1129.4	1232.1
20°	2815.9	2747.9	2533.9	1998.8	1621.7	1361.7	1157.7	1036.8	1050.7	1146.4	1253.4
22.5°	3324.6	3222.6	2905.3	2120.9	1648.1	1349.7	1142.6	1079.7	1155.9	1237.1	1307.5
25°	3425.3	3345.4	2972.0	2148.6	1642.5	1341.5	1185.5	1216.9	1301.9	1342.2	1317.6
27.5°	3482.0	3390.7	2967.6	2011.4	1468.8	1216.9	1133.2	1185.5	1206.8	1167.8	1101.1
30°	3614.2	3519.1	3042.6	1867.2	1209.3	902.8	791.3	769.9	784.4	791.9	768.0
32.5°	3796.1	3702.3	3183.6	1772.8	1045.7	746.7	637.1	606.9	599.9	591.8	582.3
35°	4031.6	3887.4	3322.1	1712.3	978.3	690.6	589.9	566.6	557.2	545.8	535.7
37.5°	4270.8	4119.8	3497.1	1648.8	933.6	651.6	558.4	547.7	531.3	519.4	504.9
40°	4525.1	4355.8	3656.4	1593.4	890.2	626.4	535.7	534.5	513.1	499.2	482.2
42.5°	4745.4	4571.1	3798.6	1559.3	856.8	599.9	521.9	525.6	503.6	482.9	460.8
45°	4920.5	4749.3	3930.2	1559.3	829.7	573.5	519.4	516.9	494.9	469.0	443.8
47.5°	5074.1	4897.2	4058.7	1599.0	812.8	551.5	505.5	509.9	487.3	454.5	429.9
50°	5193.1	5037.0	4231.8	1660.7	795.8	533.8	487.9	511.8	481.0	446.9	418.7
52.5°	5344.8	5205.1	4440.2	1745.1	781.3	514.4	472.1	511.8	480.4	447.6	416.8
55°	5555.1	5407.8	4691.3	1815.0	757.9	496.1	458.3	497.4	478.4	444.4	411.7
57.5°	5702.4	5592.2	4868.9	1861.6	724.6	472.8	445.7	483.5	470.3	432.5	396.6
58°	5709.3	5601.7	4894.7	1872.2	716.4	468.4	442.6	477.2	466.5	427.4	391.6
60°	5630.0	5537.5	4899.7	1857.1	669.9	446.3	426.2	451.4	446.3	397.8	364.5
62.5°	5341.6	5242.8	4696.4	1734.4	608.2	419.3	401.1	416.8	405.4	356.3	325.5
65°	4931.8	4749.9	4278.4	1541.7	564.1	390.3	367.0	368.2	356.3	321.0	294.0
67.5°	4386.1	4182.7	3622.4	1299.4	530.7	358.2	326.7	323.6	309.1	286.4	264.4
70°	3714.3	3575.2	2943.8	1057.0	493.5	323.0	281.4	279.5	270.7	253.7	234.2
72.5°	3010.5	2833.6	2377.1	846.1	448.3	288.9	239.2	243.0	231.7	219.7	202.1
75°	2221.7	2105.8	1837.6	678.6	387.2	251.8	199.6	200.8	195.8	183.2	169.4
77.5°	1463.0	1428.4	1314.5	445.7	297.8	200.2	163.0	164.3	160.5	149.2	134.8
80°	984.6	961.3	890.8	287.0	199.0	144.8	125.9	127.2	126.5	114.6	95.1
82.5°	606.9	596.8	574.2	193.9	137.9	103.9	83.1	86.9	93.8	80.6	64.8
85°	286.4	287.0	346.9	105.8	81.2	66.7	45.3	48.5	48.5	48.5	36.5
87.5°	37.1	39.0	47.8	44.7	29.6	25.2	16.4	13.9	12.0	15.7	11.4
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°	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8
2.5°	2077.5	2064.9	2037.8	2031.5	2027.7	2038.5	2010.1	2017.7	2005.1	2040.3	2034.7
5°	1739.4	1740.7	1762.7	1777.2	1782.3	1777.2	1758.3	1725.6	1700.4	1690.3	1692.8
7.5°	1499.0	1521.0	1558.7	1600.9	1639.3	1650.6	1640.0	1577.7	1509.6	1466.8	1453.0
10°	1419.0	1448.6	1492.0	1525.4	1559.3	1586.4	1592.1	1543.6	1463.0	1361.7	1322.0
12.5°	1423.4	1463.7	1505.2	1516.0	1512.8	1523.5	1518.5	1510.3	1457.4	1328.4	1262.2
15°	1381.8	1429.7	1458.7	1453.0	1442.9	1433.4	1420.3	1399.5	1380.6	1289.9	1216.9
17.5°	1286.2	1335.2	1359.2	1361.1	1361.1	1358.6	1326.5	1318.9	1316.4	1272.3	1227.6
20°	1303.8	1330.9	1320.1	1302.5	1307.5	1324.5	1305.7	1301.9	1316.4	1335.9	1327.7
22.5°	1313.9	1304.4	1223.8	1145.8	1128.1	1181.0	1191.7	1233.9	1292.4	1363.0	1408.9
25°	1251.5	1175.4	1031.2	943.0	893.3	942.4	1006.6	1084.7	1172.2	1262.8	1316.4
27.5°	1046.3	988.4	885.1	805.8	762.4	769.9	824.7	895.8	977.0	1038.1	1077.2
30°	788.2	762.4	708.8	681.8	655.4	649.0	672.4	699.5	735.3	742.8	752.9
32.5°	580.4	576.7	579.8	571.0	566.0	565.3	558.4	564.7	568.5	572.9	564.1
35°	525.0	520.0	511.2	508.6	505.5	506.8	503.6	500.5	503.0	506.8	509.3
37.5°	496.7	489.1	476.5	472.1	472.1	474.0	469.0	467.8	472.1	484.1	490.4
40°	474.7	465.9	451.4	445.7	449.5	454.5	447.6	445.1	455.8	468.4	478.4
42.5°	453.9	446.9	433.2	426.8	429.9	439.4	429.3	427.4	441.3	455.2	467.1
45°	436.3	429.3	416.8	413.6	414.8	423.7	416.8	416.8	429.9	445.1	455.8
47.5°	422.4	413.6	405.4	402.9	404.2	409.2	407.9	407.9	420.5	436.3	446.9
50°	408.6	401.1	390.3	391.6	394.7	401.7	401.1	402.9	415.5	435.0	446.3
52.5°	402.3	391.0	379.0	380.2	389.7	397.8	395.3	397.2	411.7	448.3	464.6
55°	395.3	380.2	366.4	368.2	379.0	391.0	387.8	390.3	407.3	457.0	479.7
57.5°	382.1	364.5	349.4	350.6	366.4	379.0	374.0	377.1	397.2	447.6	471.5
58°	376.5	361.4	346.9	347.5	362.6	376.5	370.8	373.3	394.1	445.1	467.8
60°	352.5	343.7	331.1	331.8	346.2	358.2	355.1	357.6	377.7	426.8	443.8
62.5°	319.8	314.8	311.6	311.6	320.4	331.8	334.9	338.1	356.3	385.9	401.1
65°	284.5	284.5	285.2	285.2	290.9	305.3	307.2	315.4	332.4	346.9	358.2
67.5°	260.7	259.4	260.7	257.5	260.0	268.8	278.3	285.8	303.4	313.5	317.3
70°	229.8	229.2	229.8	225.3	228.6	236.1	242.3	254.9	273.2	280.8	282.7
72.5°	199.6	199.6	200.8	197.7	197.7	205.9	210.2	224.1	241.1	245.5	246.2
75°	168.1	170.0	170.0	165.6	166.9	171.9	177.5	188.9	204.6	207.7	207.7
77.5°	133.5	140.4	140.4	136.0	137.9	138.5	146.0	151.7	163.6	165.0	159.9
80°	96.9	103.9	109.5	105.8	108.9	105.2	109.5	113.3	125.3	119.6	111.4
82.5°	69.2	74.3	78.7	79.3	76.2	69.2	74.9	75.6	81.2	73.7	69.2
85°	38.4	42.8	48.5	46.0	41.0	36.5	38.4	39.7	39.0	37.1	34.6
87.5°	10.1	10.7	12.0	8.8	8.2	6.9	9.5	9.5	10.7	11.4	10.7
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°	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8
2.5°	2039.1	2066.8	2126.6	2171.9	2227.3	2294.7	2374.0	2453.9	2540.2	2567.3	2605.0
5°	1687.2	1756.4	1785.4	1867.8	1949.7	2072.4	2203.4	2355.1	2521.3	2601.3	2678.1
7.5°	1441.7	1478.8	1509.0	1569.4	1667.6	1816.9	1981.1	2170.6	2406.1	2522.6	2635.3
10°	1309.4	1313.2	1350.4	1425.3	1510.9	1642.5	1798.0	2010.1	2272.7	2414.3	2546.5
12.5°	1221.9	1205.6	1245.8	1323.9	1420.9	1542.4	1685.3	1887.3	2176.3	2321.8	2481.6
15°	1145.1	1119.3	1149.5	1229.5	1325.1	1468.1	1621.7	1835.7	2138.5	2307.9	2485.4
17.5°	1147.0	1075.9	1086.6	1154.0	1249.0	1394.4	1580.8	1833.9	2195.8	2391.0	2601.3
20°	1288.7	1174.7	1126.3	1138.9	1230.7	1389.4	1599.7	1922.0	2384.1	2668.6	2893.3
22.5°	1427.8	1359.2	1281.1	1255.3	1305.7	1471.9	1719.9	2130.4	2793.3	3222.0	3628.0
25°	1379.3	1437.9	1418.3	1381.8	1393.2	1531.1	1801.8	2301.6	3111.2	3594.0	3975.5
27.5°	1103.6	1210.0	1231.3	1230.7	1235.2	1348.5	1620.4	2186.4	3150.9	3665.2	4029.7
30°	775.6	785.0	796.4	818.4	838.5	939.9	1267.9	1919.4	3133.3	3697.3	4062.4
32.5°	559.7	572.2	588.0	618.2	666.0	795.1	1109.3	1834.5	3226.4	3830.1	4158.1
35°	511.8	526.3	541.4	576.1	621.4	741.0	1046.3	1799.3	3379.3	4045.4	4330.0
37.5°	496.7	513.1	526.3	551.5	588.0	702.0	989.0	1775.3	3536.1	4273.3	4560.4
40°	486.0	504.9	515.6	535.7	560.9	666.0	938.0	1756.4	3687.9	4481.7	4745.4
42.5°	476.5	496.1	509.9	524.4	545.2	633.9	892.7	1737.6	3819.4	4683.7	4929.9
45°	465.3	489.8	507.4	518.7	537.0	606.9	858.1	1722.4	3969.3	4863.2	5116.3
47.5°	455.8	482.9	504.9	518.1	525.0	588.0	830.4	1743.2	4149.3	5050.8	5289.4
50°	456.4	482.2	509.9	530.7	512.5	572.2	813.4	1825.6	4383.5	5273.7	5426.0
52.5°	476.5	508.0	530.1	535.1	494.9	553.3	804.5	1969.9	4660.5	5470.7	5563.9
55°	499.2	532.0	555.9	552.7	485.4	529.5	802.7	2123.4	4963.9	5700.5	5743.3
57.5°	491.0	538.9	575.4	559.1	486.0	506.1	794.5	2247.4	5217.6	5872.3	5920.8
58°	488.5	536.4	577.9	557.8	484.1	499.2	792.6	2258.2	5252.9	5884.3	5946.0
60°	464.0	514.4	576.1	548.3	473.4	480.4	771.8	2292.8	5243.4	5822.6	5961.1
62.5°	419.3	460.8	532.6	502.4	440.7	455.2	725.2	2250.0	4987.9	5525.5	5740.2
65°	368.9	399.7	447.6	441.9	394.1	429.3	661.6	2080.7	4476.0	5043.2	5269.3
67.5°	331.1	356.3	386.6	378.3	354.5	394.7	593.0	1794.2	3901.9	4464.0	4748.7
70°	292.8	312.3	327.4	321.7	314.1	360.7	532.0	1456.1	3351.7	3913.8	4189.6
72.5°	253.7	271.9	284.5	276.4	271.9	324.9	482.2	1130.0	2647.2	3228.9	3583.3
75°	212.2	230.4	239.2	229.8	227.2	286.4	408.6	844.2	1986.2	2489.2	2795.2
77.5°	164.3	183.8	195.1	192.0	193.2	235.4	329.9	577.9	1420.3	1696.6	2019.0
80°	115.2	136.6	144.2	141.0	149.9	179.4	232.9	367.0	979.5	1101.1	1328.4
82.5°	71.2	91.3	92.6	95.7	101.9	132.8	175.6	223.5	615.0	635.9	800.8
85°	35.9	43.5	46.6	51.6	57.3	81.2	100.1	138.5	396.0	299.7	447.6
87.5°	12.0	12.6	15.1	18.9	23.3	33.4	42.8	56.7	98.2	54.1	138.5
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: P648771  
 CATALOG NUMBER: GLAN-SA2C-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8	2394.8
2.5°	2681.2	2734.7	2773.8	2809.6	2775.0	2771.9	2737.8	2683.1	2660.5	2660.5
5°	2839.2	2964.5	3065.8	3130.7	3103.0	3036.2	2926.1	2785.8	2710.2	2697.0
7.5°	2882.7	3130.0	3318.3	3385.1	3338.5	3191.1	2980.3	2743.6	2635.3	2611.3
10°	2856.2	3178.0	3454.3	3560.1	3495.2	3272.4	2984.6	2694.5	2561.0	2533.2
12.5°	2828.5	3184.2	3479.5	3632.4	3590.3	3337.9	3016.7	2662.4	2508.1	2468.4
15°	2848.7	3186.7	3448.6	3606.7	3633.7	3416.5	3069.7	2685.6	2497.4	2455.2
17.5°	2975.9	3234.6	3404.6	3532.3	3627.4	3523.6	3220.1	2797.0	2593.1	2540.8
20°	3241.5	3349.1	3429.8	3528.6	3681.6	3742.0	3528.0	3103.0	2861.9	2815.9
22.5°	4010.8	3991.3	3826.4	3824.5	4046.1	4288.4	4273.9	3725.0	3362.4	3324.6
25°	4299.1	4208.5	3969.9	3911.9	4009.6	4383.5	4329.4	3852.1	3517.2	3425.3
27.5°	4186.5	3961.7	3804.9	3791.8	3759.7	4112.8	4243.1	3903.8	3571.4	3482.0
30°	4179.5	3849.0	3624.9	3651.4	3682.2	4019.6	4290.9	4065.6	3709.9	3614.2
32.5°	4196.5	3864.7	3638.1	3643.1	3735.1	4033.5	4343.8	4241.8	3891.8	3796.1
35°	4265.2	3954.2	3722.5	3710.5	3854.1	4124.1	4433.9	4518.8	4140.5	4031.6
37.5°	4376.0	4132.3	3876.7	3873.6	4081.9	4287.8	4545.9	4798.4	4387.9	4270.8
40°	4539.0	4340.7	4151.2	4134.2	4391.7	4554.1	4691.3	5096.2	4675.6	4525.1
42.5°	4736.1	4590.7	4513.2	4580.6	4828.0	4853.1	4917.9	5371.2	4920.5	4745.4
45°	4918.6	4911.7	5019.3	5198.1	5342.3	5191.2	5154.6	5555.7	5110.6	4920.5
47.5°	5135.8	5323.4	5648.2	5910.2	6061.2	5584.7	5356.7	5676.0	5249.2	5074.1
50°	5356.1	5816.4	6335.1	6700.2	6732.3	6012.1	5495.9	5789.3	5375.1	5193.1
52.5°	5587.8	6209.8	6900.4	7324.7	7262.4	6384.2	5630.6	5866.1	5504.7	5344.8
55°	5789.3	6450.9	7216.4	7623.8	7532.5	6610.8	5776.0	5949.2	5689.8	5555.1
57.5°	5901.9	6471.0	7137.7	7493.5	7394.6	6566.7	5842.7	6010.9	5808.1	5702.4
58°	5918.3	6444.0	7067.8	7417.9	7317.1	6529.6	5842.1	6008.4	5815.7	5709.3
60°	5903.8	6268.3	6807.9	7119.5	7013.7	6296.7	5818.2	5961.1	5720.0	5630.0
62.5°	5769.8	5963.6	6359.0	6585.7	6555.4	5932.8	5720.0	5783.0	5428.5	5341.6
65°	5593.4	5548.2	5784.3	5944.8	5967.4	5660.2	5622.4	5397.7	5054.6	4931.8
67.5°	5379.4	5077.3	5076.7	5167.9	5205.7	5240.9	5419.1	4979.0	4515.7	4386.1
70°	5016.2	4351.4	4151.2	4258.8	4227.3	4525.1	5055.8	4391.1	3866.0	3714.3
72.5°	4350.1	3453.0	3132.6	3271.1	3191.7	3548.7	4423.8	3613.5	3196.8	3010.5
75°	3526.1	2583.0	2252.5	2379.7	2330.6	2692.0	3681.0	2624.5	2292.8	2221.7
77.5°	2737.8	1871.6	1679.6	1662.0	1698.5	2003.2	2700.1	1772.2	1511.5	1463.0
80°	1758.9	1339.6	1351.0	1328.4	1347.2	1262.8	1639.3	1130.7	1023.6	984.6
82.5°	1157.7	933.6	1113.0	1027.4	975.8	849.2	1075.3	740.3	628.3	606.9
85°	788.8	687.5	625.8	478.4	563.4	654.1	806.4	398.5	316.0	286.4
87.5°	356.3	239.2	175.6	108.3	171.2	197.7	391.6	46.6	35.9	37.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)