

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: P452293

Luminaire Tested: **GLAN-SA3B-727-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P452293  
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-SA3B-727-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 800mA 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: 12245 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

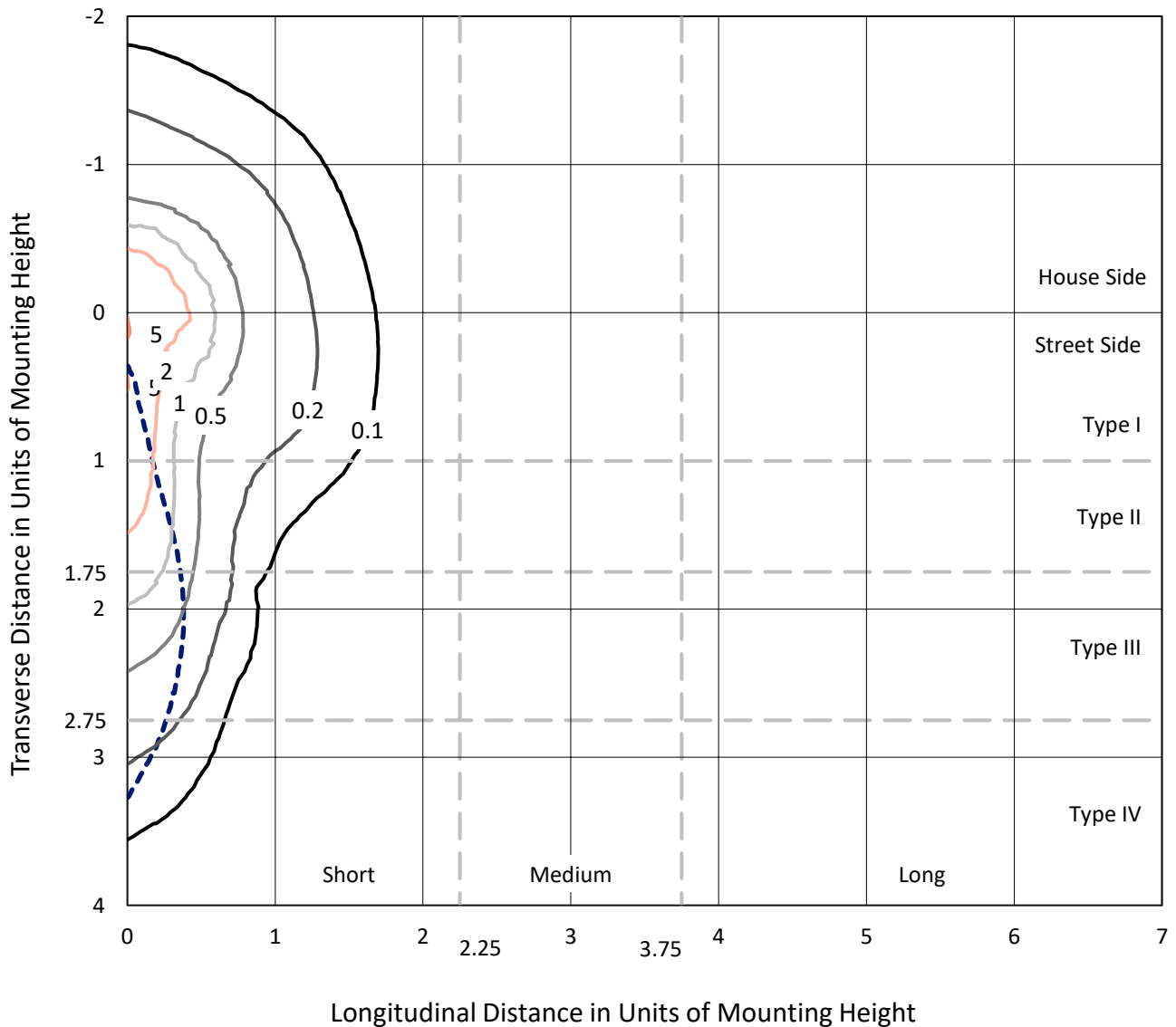
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

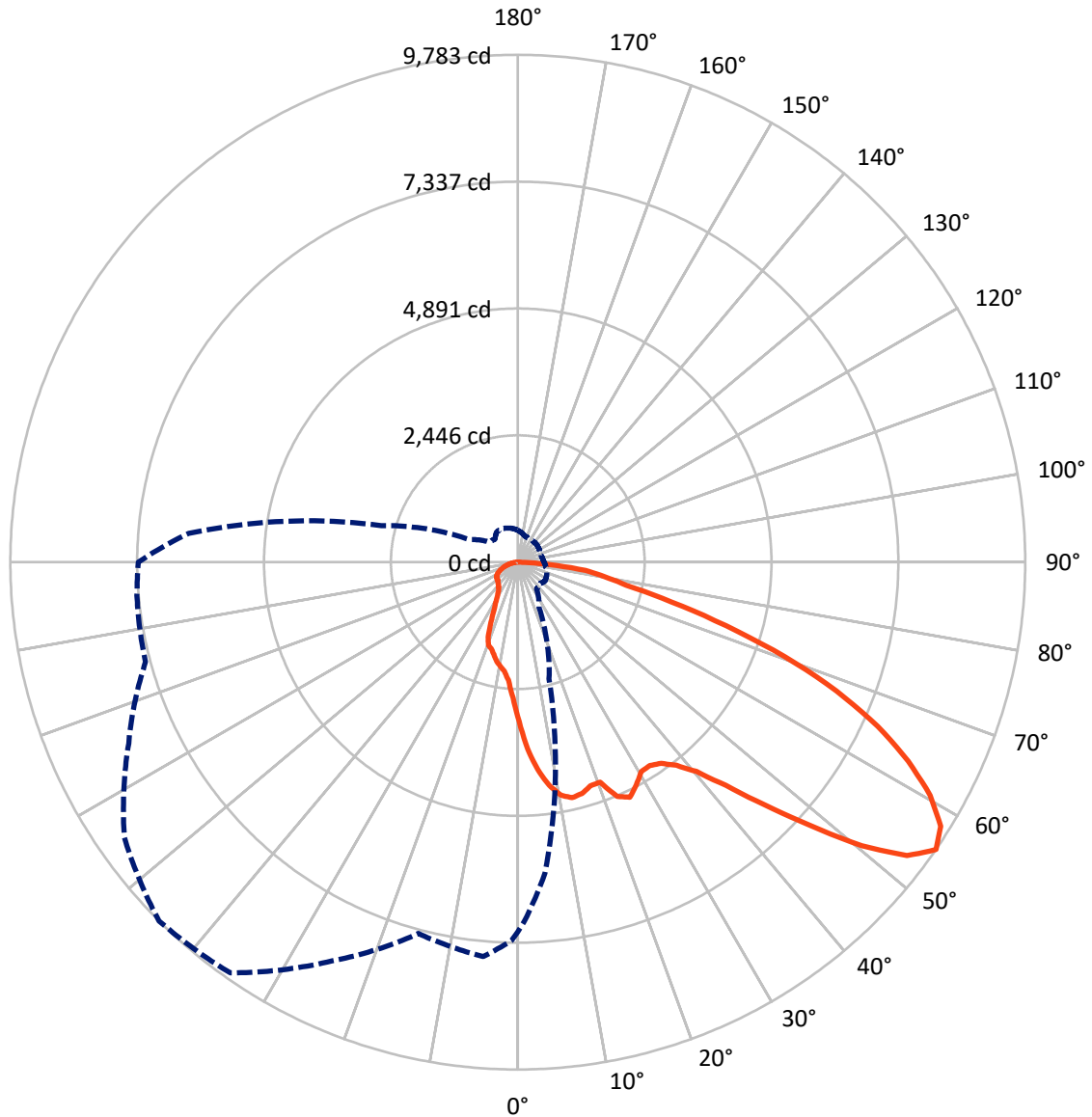
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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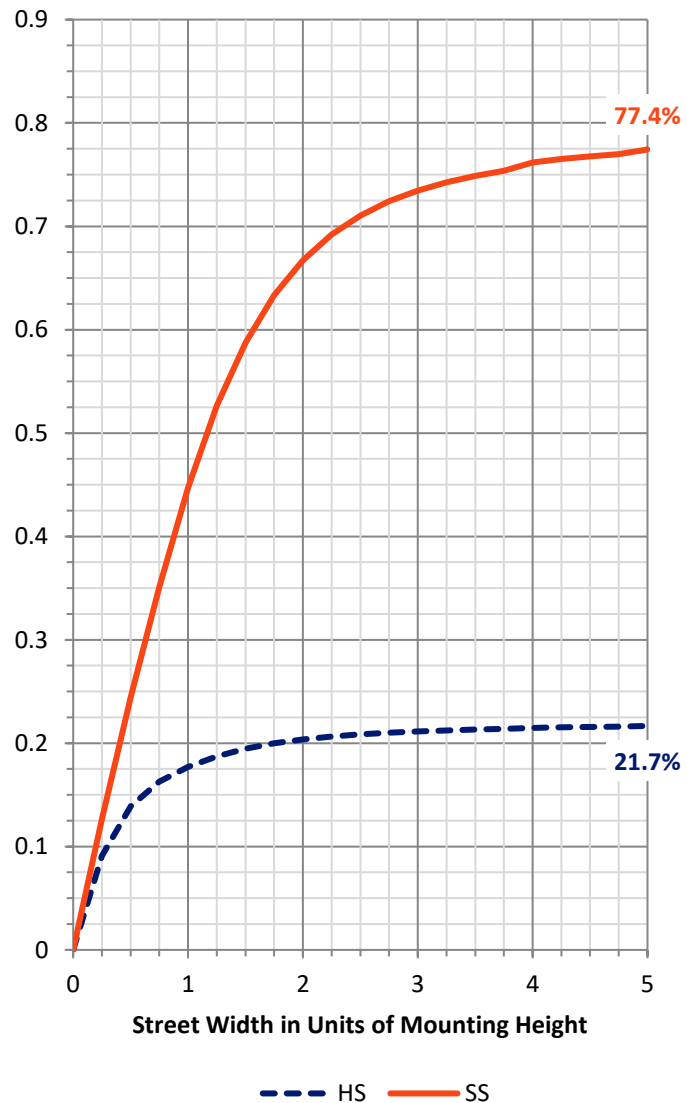
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2678.5	0.0	2678.5
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	9566.5	0.0	9566.5
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	12245.0	0.0	12245.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.5	2.1
10°-20°	691.0	5.6
20°-30°	1193.7	9.7
30°-40°	1387.3	11.3
40°-50°	1935.5	15.8
50°-60°	2626.3	21.4
60°-70°	2498.6	20.4
70°-80°	1349.8	11.0
80°-90°	302.5	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°	12245.0	100.0
0°-180°	12245.0	100.0



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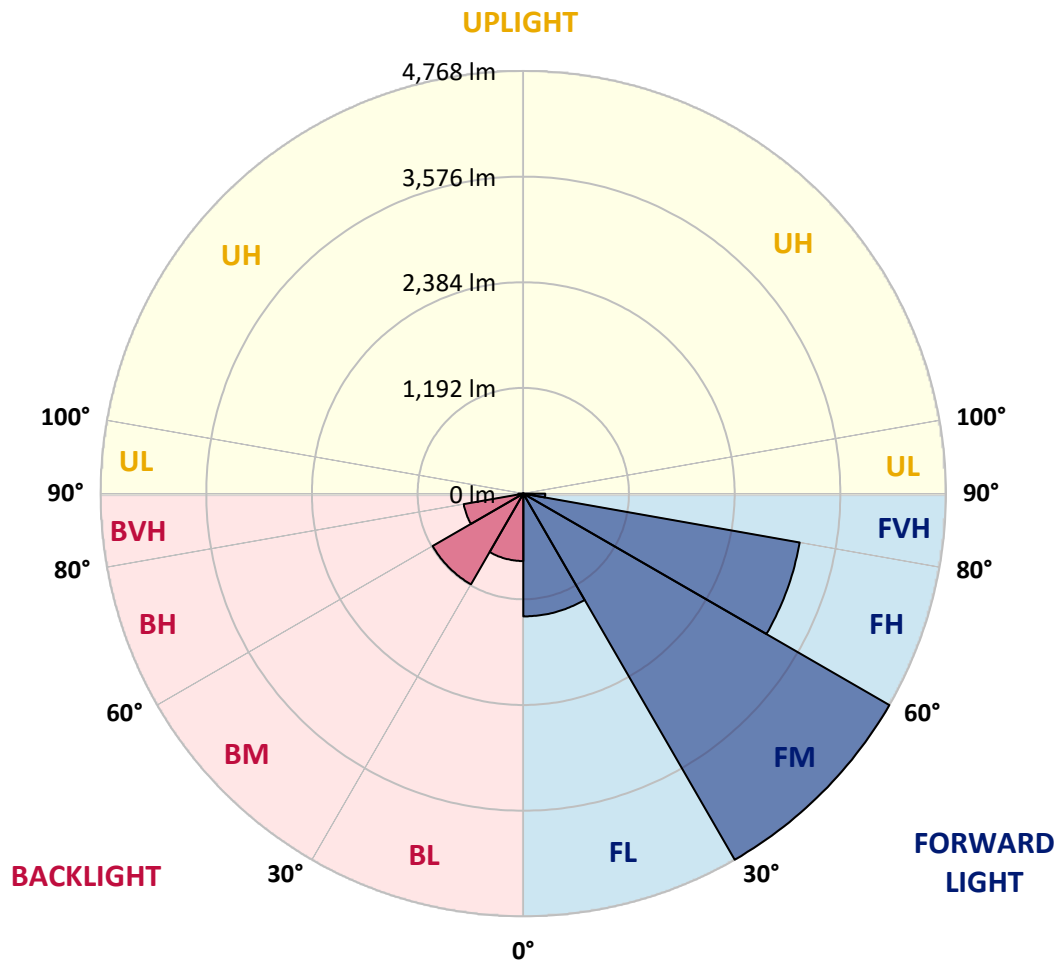
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1384.9	11.3			
FM	(30°-60°)	4767.9	38.9			
FH	(60°-80°)	3166.3	25.9			G2/5000
FVH	(80°-90°)	247.2	2.0			G3/500
BL	(0°-30°)	760.2	6.2	B2/1000		
BM	(30°-60°)	1181.1	9.6	B2/2500		
BH	(60°-80°)	682.0	5.6	B2/1000		G2/1000
BVH	(80°-90°)	55.3	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°	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0
2.5°	3413.9	3401.0	3364.6	3269.3	3173.2	3075.4	3000.3	2906.6	2808.9	2756.3	2689.3
5°	3460.8	3446.2	3360.6	3145.7	2951.0	2746.7	2583.5	2440.5	2382.3	2296.7	2228.0
7.5°	3350.9	3344.5	3216.0	2907.4	2640.8	2373.4	2188.4	2073.7	1969.5	1930.7	1938.8
10°	3250.7	3224.9	3064.1	2661.0	2350.0	2132.7	2000.2	1887.9	1814.4	1795.0	1799.1
12.5°	3167.5	3132.8	2943.0	2495.4	2223.2	2049.5	1880.6	1763.5	1696.5	1715.0	1778.1
15°	3150.6	3103.7	2892.1	2438.9	2153.7	1929.9	1744.9	1610.0	1559.9	1600.3	1701.3
17.5°	3260.4	3201.5	2979.3	2457.4	2087.5	1807.9	1580.9	1426.6	1384.6	1449.3	1580.9
20°	3613.5	3526.2	3251.5	2564.9	2081.0	1747.4	1485.6	1330.5	1348.3	1471.1	1608.4
22.5°	4266.2	4135.3	3728.2	2721.6	2114.9	1732.0	1466.2	1385.4	1483.2	1587.4	1677.9
25°	4395.4	4292.9	3813.8	2757.2	2107.6	1721.5	1521.2	1561.6	1670.6	1722.3	1690.8
27.5°	4468.2	4351.0	3808.1	2581.0	1884.7	1561.6	1454.1	1521.2	1548.6	1498.5	1412.9
30°	4637.8	4515.8	3904.3	2396.0	1551.9	1158.4	1015.5	988.0	1006.6	1016.3	985.6
32.5°	4871.3	4750.9	4085.2	2274.9	1341.8	958.1	817.5	778.8	769.9	759.4	747.3
35°	5173.4	4988.4	4263.0	2197.3	1255.4	886.2	756.9	727.1	714.9	700.4	687.5
37.5°	5480.4	5286.5	4487.5	2115.7	1198.0	836.1	716.6	702.8	681.8	666.5	647.9
40°	5806.7	5589.4	4691.9	2044.6	1142.3	803.8	687.5	685.9	658.4	640.6	618.8
42.5°	6089.5	5865.7	4874.5	2001.0	1099.5	769.9	669.7	674.5	646.3	619.6	591.3
45°	6314.1	6094.3	5043.3	2001.0	1064.7	735.9	666.5	663.2	635.0	601.8	569.5
47.5°	6511.2	6284.2	5208.1	2051.9	1042.9	707.7	648.7	654.3	625.3	583.3	551.8
50°	6663.9	6463.5	5430.3	2131.1	1021.1	685.0	626.1	656.8	617.2	573.6	537.2
52.5°	6858.5	6679.2	5697.7	2239.3	1002.5	660.0	605.9	656.8	616.4	574.4	534.8
55°	7128.4	6939.3	6020.0	2329.0	972.6	636.6	588.1	638.2	614.0	570.3	528.3
57.5°	7317.4	7176.0	6247.8	2388.8	929.8	606.7	571.9	620.4	603.5	555.0	508.9
58°	7326.3	7188.1	6280.9	2402.5	919.3	601.0	567.9	612.3	598.6	548.5	502.5
60°	7224.5	7105.7	6287.4	2383.1	859.5	572.8	546.9	579.2	572.8	510.6	467.7
62.5°	6854.5	6727.7	6026.5	2225.6	780.4	538.0	514.6	534.8	520.2	457.2	417.7
65°	6328.6	6095.1	5490.1	1978.4	723.8	500.9	471.0	472.6	457.2	412.0	377.3
67.5°	5628.2	5367.3	4648.3	1667.4	681.0	459.7	419.3	415.2	396.6	367.6	339.3
70°	4766.2	4587.7	3777.5	1356.4	633.3	414.4	361.1	358.7	347.4	325.6	300.5
72.5°	3863.1	3636.1	3050.4	1085.7	575.2	370.8	307.0	311.8	297.3	281.9	259.3
75°	2850.9	2702.2	2358.1	870.8	496.8	323.1	256.1	257.7	251.2	235.1	217.3
77.5°	1877.4	1833.0	1686.8	571.9	382.1	256.9	209.2	210.8	206.0	191.5	172.9
80°	1263.5	1233.6	1143.1	368.4	255.3	185.8	161.6	163.2	162.4	147.0	122.0
82.5°	778.8	765.8	736.7	248.8	176.9	133.3	106.6	111.5	120.4	103.4	83.2
85°	367.6	368.4	445.1	135.7	104.2	85.6	58.2	62.2	62.2	62.2	46.9
87.5°	47.7	50.1	61.4	57.4	38.0	32.3	21.0	17.8	15.3	20.2	14.5
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°	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0
2.5°	2665.9	2649.7	2615.0	2606.9	2602.0	2615.8	2579.4	2589.1	2573.0	2618.2	2610.9
5°	2232.1	2233.7	2261.9	2280.5	2287.0	2280.5	2256.3	2214.3	2182.0	2169.0	2172.3
7.5°	1923.5	1951.7	2000.2	2054.3	2103.6	2118.2	2104.4	2024.4	1937.2	1882.3	1864.5
10°	1820.9	1858.8	1914.6	1957.4	2001.0	2035.8	2043.0	1980.8	1877.4	1747.4	1696.5
12.5°	1826.5	1878.2	1931.5	1945.3	1941.2	1955.0	1948.5	1938.0	1870.1	1704.5	1619.7
15°	1773.2	1834.6	1871.8	1864.5	1851.6	1839.4	1822.5	1795.8	1771.6	1655.3	1561.6
17.5°	1650.4	1713.4	1744.1	1746.5	1746.5	1743.3	1702.1	1692.4	1689.2	1632.6	1575.3
20°	1673.0	1707.8	1694.0	1671.4	1677.9	1699.7	1675.5	1670.6	1689.2	1714.2	1703.7
22.5°	1686.0	1673.8	1570.4	1470.3	1447.6	1515.5	1529.2	1583.4	1658.5	1749.0	1807.9
25°	1606.0	1508.2	1323.2	1210.1	1146.3	1209.3	1291.7	1391.9	1504.2	1620.5	1689.2
27.5°	1342.6	1268.3	1135.8	1034.0	978.3	988.0	1058.3	1149.6	1253.8	1332.1	1382.2
30°	1011.4	978.3	909.6	874.9	841.0	832.9	862.8	897.5	943.6	953.2	966.2
32.5°	744.8	740.0	744.0	732.7	726.2	725.4	716.6	724.6	729.5	735.1	723.8
35°	673.7	667.3	656.0	652.7	648.7	650.3	646.3	642.2	645.5	650.3	653.5
37.5°	637.4	627.7	611.5	605.9	605.9	608.3	601.8	600.2	605.9	621.2	629.3
40°	609.1	597.8	579.2	571.9	576.8	583.3	574.4	571.1	584.9	601.0	614.0
42.5°	582.5	573.6	555.8	547.7	551.8	563.9	550.9	548.5	566.3	584.1	599.4
45°	559.8	550.9	534.8	530.7	532.4	543.7	534.8	534.8	551.8	571.1	584.9
47.5°	542.1	530.7	520.2	517.0	518.6	525.1	523.5	523.5	539.6	559.8	573.6
50°	524.3	514.6	500.9	502.5	506.5	515.4	514.6	517.0	533.2	558.2	572.8
52.5°	516.2	501.7	486.3	487.9	500.1	510.6	507.3	509.7	528.3	575.2	596.2
55°	507.3	487.9	470.2	472.6	486.3	501.7	497.6	500.9	522.7	586.5	615.6
57.5°	490.4	467.7	448.4	450.0	470.2	486.3	479.9	483.9	509.7	574.4	605.1
58°	483.1	463.7	445.1	445.9	465.3	483.1	475.8	479.0	505.7	571.1	600.2
60°	452.4	441.1	424.9	425.7	444.3	459.7	455.6	458.9	484.7	547.7	569.5
62.5°	410.4	403.9	399.9	399.9	411.2	425.7	429.8	433.8	457.2	495.2	514.6
65°	365.1	365.1	366.0	366.0	373.2	391.8	394.2	404.7	426.5	445.1	459.7
67.5°	334.4	332.8	334.4	330.4	333.6	344.9	357.1	366.8	389.4	402.3	407.2
70°	294.9	294.1	294.9	289.2	293.2	302.9	311.0	327.2	350.6	360.3	362.7
72.5°	256.1	256.1	257.7	253.7	253.7	264.2	269.8	287.6	309.4	315.1	315.9
75°	215.7	218.1	218.1	212.5	214.1	220.5	227.8	242.4	262.5	266.6	266.6
77.5°	171.3	180.1	180.1	174.5	176.9	177.7	187.4	194.7	210.0	211.7	205.2
80°	124.4	133.3	140.6	135.7	139.8	134.9	140.6	145.4	160.8	153.5	143.0
82.5°	88.9	95.3	101.0	101.8	97.7	88.9	96.1	96.9	104.2	94.5	88.9
85°	49.3	54.9	62.2	59.0	52.5	46.9	49.3	50.9	50.1	47.7	44.4
87.5°	12.9	13.7	15.3	11.3	10.5	8.9	12.1	12.1	13.7	14.5	13.7
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°	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0
2.5°	2616.6	2652.1	2728.9	2787.0	2858.1	2944.6	3046.4	3149.0	3259.6	3294.4	3342.8
5°	2165.0	2253.9	2291.0	2396.9	2501.9	2659.4	2827.4	3022.1	3235.4	3338.0	3436.5
7.5°	1849.9	1897.6	1936.4	2013.9	2140.0	2331.4	2542.3	2785.4	3087.6	3237.0	3381.6
10°	1680.3	1685.2	1732.8	1828.9	1938.8	2107.6	2307.2	2579.4	2916.3	3098.1	3267.7
12.5°	1568.0	1547.0	1598.7	1698.9	1823.3	1979.2	2162.6	2421.9	2792.7	2979.3	3184.5
15°	1469.5	1436.3	1475.1	1577.7	1700.5	1883.9	2081.0	2355.7	2744.2	2961.5	3189.3
17.5°	1471.9	1380.6	1394.3	1480.8	1602.8	1789.4	2028.5	2353.2	2817.7	3068.2	3338.0
20°	1653.6	1507.4	1445.2	1461.4	1579.3	1782.9	2052.7	2466.3	3059.3	3424.4	3712.8
22.5°	1832.2	1744.1	1644.0	1610.8	1675.5	1888.7	2207.0	2733.7	3584.4	4134.5	4655.6
25°	1770.0	1845.1	1820.1	1773.2	1787.7	1964.7	2312.0	2953.5	3992.3	4611.9	5101.5
27.5°	1416.1	1552.7	1580.1	1579.3	1585.0	1730.4	2079.4	2805.6	4043.2	4703.2	5171.0
30°	995.3	1007.4	1021.9	1050.2	1076.0	1206.1	1627.0	2463.1	4020.6	4744.4	5213.0
32.5°	718.2	734.3	754.5	793.3	854.7	1020.3	1423.4	2354.0	4140.2	4914.9	5335.8
35°	656.8	675.4	694.7	739.2	797.3	950.8	1342.6	2308.8	4336.5	5191.2	5556.3
37.5°	637.4	658.4	675.4	707.7	754.5	900.7	1269.1	2278.1	4537.6	5483.6	5852.0
40°	623.7	647.9	661.6	687.5	719.8	854.7	1203.7	2253.9	4732.3	5751.0	6089.5
42.5°	611.5	636.6	654.3	672.9	699.6	813.5	1145.5	2229.6	4901.2	6010.3	6326.2
45°	597.0	628.5	651.1	665.7	689.1	778.8	1101.1	2210.2	5093.4	6240.6	6565.3
47.5°	584.9	619.6	647.9	664.9	673.7	754.5	1065.5	2236.9	5324.5	6481.3	6787.5
50°	585.7	618.8	654.3	681.0	657.6	734.3	1043.7	2342.7	5625.0	6767.3	6962.8
52.5°	611.5	651.9	680.2	686.7	635.0	710.1	1032.4	2527.7	5980.4	7020.1	7139.7
55°	640.6	682.6	713.3	709.3	622.8	679.4	1030.0	2724.8	6369.8	7315.0	7369.9
57.5°	630.1	691.5	738.4	717.4	623.7	649.5	1019.5	2884.0	6695.4	7535.5	7597.7
58°	626.9	688.3	741.6	715.7	621.2	640.6	1017.1	2897.7	6740.6	7550.9	7630.0
60°	595.4	660.0	739.2	703.6	607.5	616.4	990.4	2942.1	6728.5	7471.7	7649.4
62.5°	538.0	591.3	683.4	644.7	565.5	584.1	930.6	2887.2	6400.5	7090.4	7365.9
65°	473.4	513.0	574.4	567.1	505.7	550.9	849.0	2669.9	5743.7	6471.6	6761.6
67.5°	424.9	457.2	496.0	485.5	454.8	506.5	761.0	2302.3	5007.0	5728.4	6093.5
70°	375.6	400.7	420.1	412.8	403.1	462.9	682.6	1868.5	4300.9	5022.3	5376.2
72.5°	325.6	349.0	365.1	354.6	349.0	416.8	618.8	1450.1	3397.0	4143.4	4598.2
75°	272.2	295.7	307.0	294.9	291.6	367.6	524.3	1083.3	2548.7	3194.2	3586.8
77.5°	210.8	235.9	250.4	246.4	248.0	302.1	423.3	741.6	1822.5	2177.1	2590.7
80°	147.8	175.3	185.0	181.0	192.3	230.2	298.9	471.0	1257.0	1412.9	1704.5
82.5°	91.3	117.1	118.8	122.8	130.9	170.5	225.4	286.8	789.3	815.9	1027.6
85°	46.0	55.7	59.8	66.2	73.5	104.2	128.4	177.7	508.1	384.5	574.4
87.5°	15.3	16.2	19.4	24.2	29.9	42.8	54.9	72.7	126.0	69.5	177.7
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: P452293

CATALOG NUMBER: GLAN-SA3B-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0	3073.0
2.5°	3440.6	3509.2	3559.3	3605.4	3561.0	3556.9	3513.3	3443.0	3413.9	3413.9
5°	3643.4	3804.1	3934.2	4017.4	3981.8	3896.2	3754.8	3574.7	3477.7	3460.8
7.5°	3699.1	4016.6	4258.1	4343.7	4284.0	4094.9	3824.3	3520.6	3381.6	3350.9
10°	3665.2	4078.0	4432.6	4568.3	4485.1	4199.1	3830.0	3457.5	3286.3	3250.7
12.5°	3629.6	4086.0	4464.9	4661.2	4607.1	4283.2	3871.2	3416.3	3218.4	3167.5
15°	3655.5	4089.3	4425.3	4628.1	4662.8	4384.1	3939.0	3446.2	3204.7	3150.6
17.5°	3818.7	4150.7	4368.8	4532.8	4654.8	4521.5	4132.1	3589.2	3327.5	3260.4
20°	4159.6	4297.7	4401.1	4527.9	4724.2	4801.8	4527.1	3981.8	3672.4	3613.5
22.5°	5146.7	5121.7	4910.0	4907.6	5192.0	5503.0	5484.4	4780.0	4314.7	4266.2
25°	5516.7	5400.4	5094.2	5019.9	5145.1	5625.0	5555.5	4943.2	4513.4	4395.4
27.5°	5372.1	5083.7	4882.6	4865.6	4824.4	5277.6	5444.8	5009.4	4582.9	4468.2
30°	5363.2	4939.1	4651.5	4685.5	4725.0	5158.0	5506.2	5217.0	4760.6	4637.8
32.5°	5385.0	4959.3	4668.5	4675.0	4792.9	5175.8	5574.1	5443.2	4994.1	4871.3
35°	5473.1	5074.0	4776.7	4761.4	4945.6	5292.1	5689.6	5798.7	5313.2	5173.4
37.5°	5615.3	5302.7	4974.7	4970.6	5238.0	5502.2	5833.4	6157.3	5630.6	5480.4
40°	5824.5	5570.0	5326.9	5305.1	5635.5	5843.9	6020.0	6539.5	5999.8	5806.7
42.5°	6077.4	5890.8	5791.4	5877.8	6195.3	6227.6	6310.8	6892.5	6314.1	6089.5
45°	6311.6	6302.8	6440.9	6670.3	6855.3	6661.4	6614.6	7129.2	6558.0	6314.1
47.5°	6590.3	6831.1	7247.9	7584.0	7777.9	7166.3	6873.9	7283.5	6735.8	6511.2
50°	6873.1	7463.6	8129.3	8597.8	8639.0	7714.9	7052.4	7428.9	6897.3	6663.9
52.5°	7170.4	7968.5	8854.7	9399.2	9319.2	8192.3	7225.3	7527.4	7063.7	6858.5
55°	7428.9	8277.9	9260.2	9782.9	9665.8	8483.1	7411.9	7634.1	7301.2	7128.4
57.5°	7573.5	8303.8	9159.3	9615.7	9488.9	8426.6	7497.5	7713.2	7453.1	7317.4
58°	7594.5	8269.0	9069.6	9518.8	9389.5	8378.9	7496.7	7710.0	7462.8	7326.3
60°	7575.9	8043.6	8736.0	9135.8	9000.1	8080.0	7466.0	7649.4	7340.0	7224.5
62.5°	7403.8	7652.7	8160.0	8450.8	8412.0	7613.1	7340.0	7420.8	6966.0	6854.5
65°	7177.6	7119.5	7422.4	7628.4	7657.5	7263.3	7214.8	6926.4	6486.1	6328.6
67.5°	6903.0	6515.2	6514.4	6631.5	6680.0	6725.3	6953.9	6389.2	5794.6	5628.2
70°	6436.9	5583.8	5326.9	5465.0	5424.6	5806.7	6487.7	5634.7	4960.9	4766.2
72.5°	5582.2	4431.0	4019.8	4197.5	4095.7	4553.8	5676.7	4637.0	4102.2	3863.1
75°	4524.7	3314.6	2890.4	3053.6	2990.6	3454.3	4723.4	3367.9	2942.1	2850.9
77.5°	3513.3	2401.7	2155.3	2132.7	2179.5	2570.5	3464.8	2274.1	1939.6	1877.4
80°	2257.1	1719.1	1733.6	1704.5	1728.8	1620.5	2103.6	1450.9	1313.5	1263.5
82.5°	1485.6	1198.0	1428.3	1318.4	1252.1	1089.8	1379.8	950.0	806.2	778.8
85°	1012.2	882.2	803.0	614.0	723.0	839.3	1034.8	511.4	405.5	367.6
87.5°	457.2	307.0	225.4	138.9	219.7	253.7	502.5	59.8	46.0	47.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)