

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: P531904

Luminaire Tested: **GLAN-SA7B-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24686 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

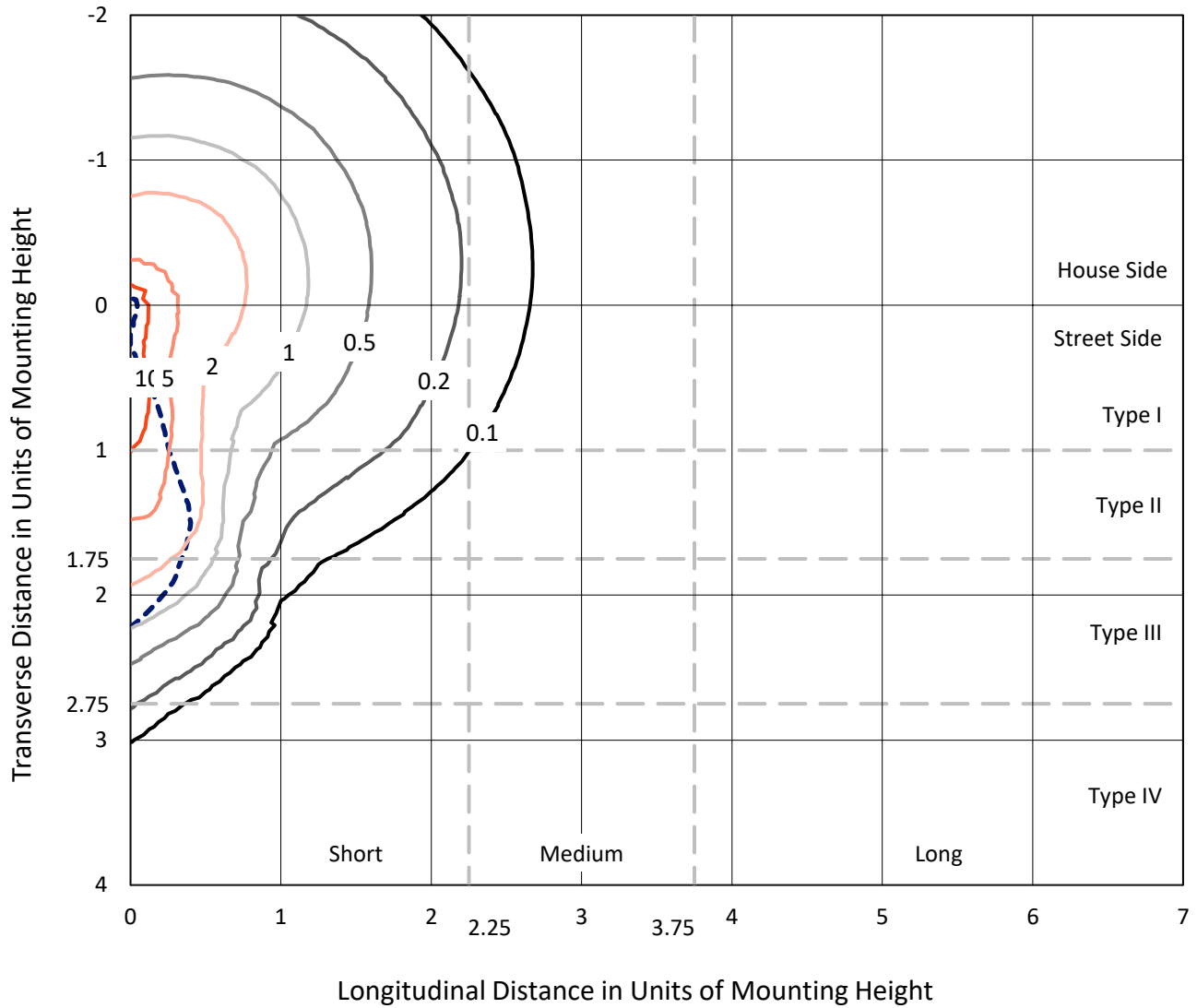
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531904
 CATALOG NUMBER: GLAN-SA7B-727-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

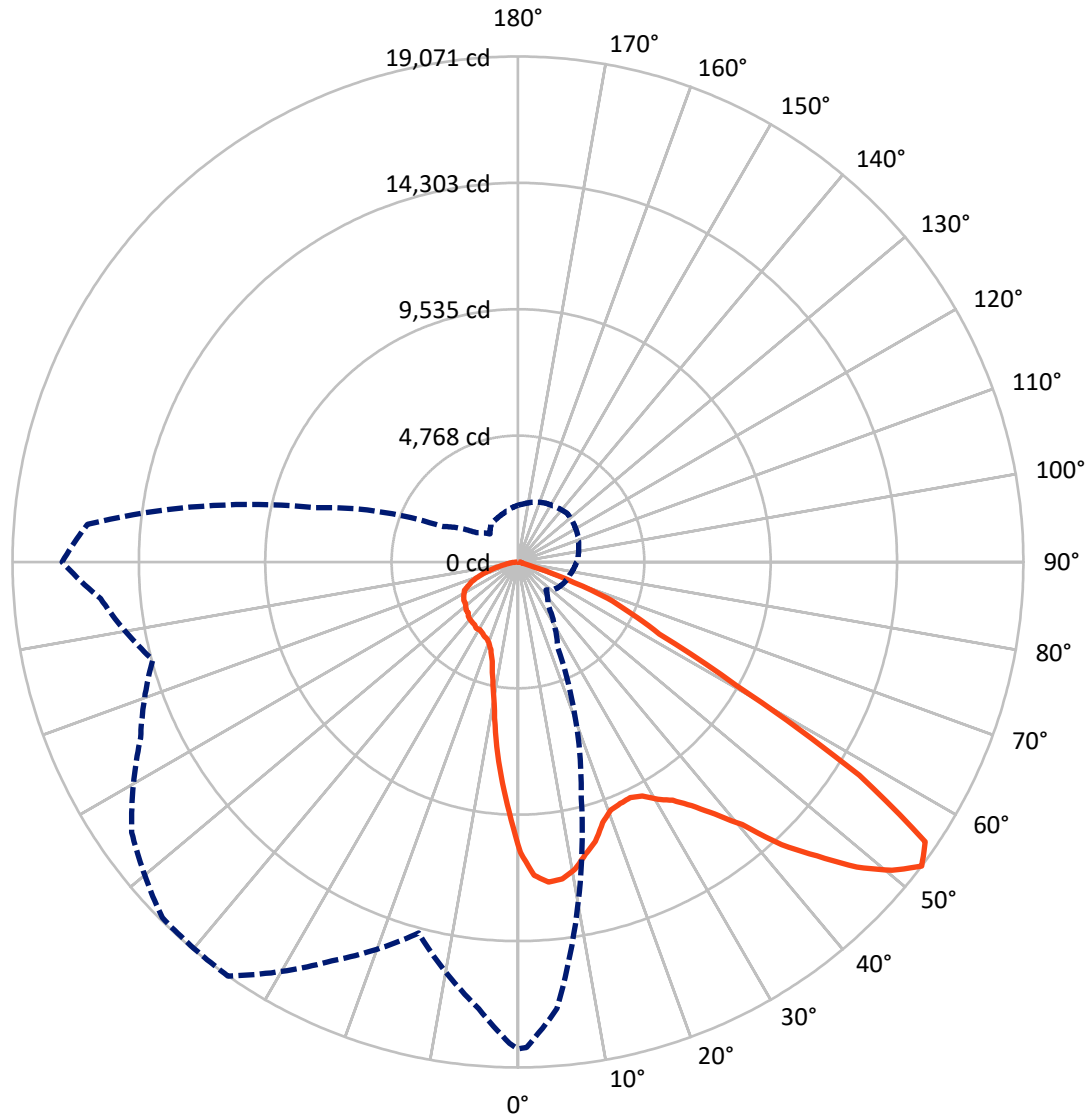
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 fc
 Type III - Short - N/A

REPORT NUMBER: P531904
CATALOG NUMBER: GLAN-SA7B-727-U-SLR-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P531904
 CATALOG NUMBER: GLAN-SA7B-727-U-SLR-GRSWH

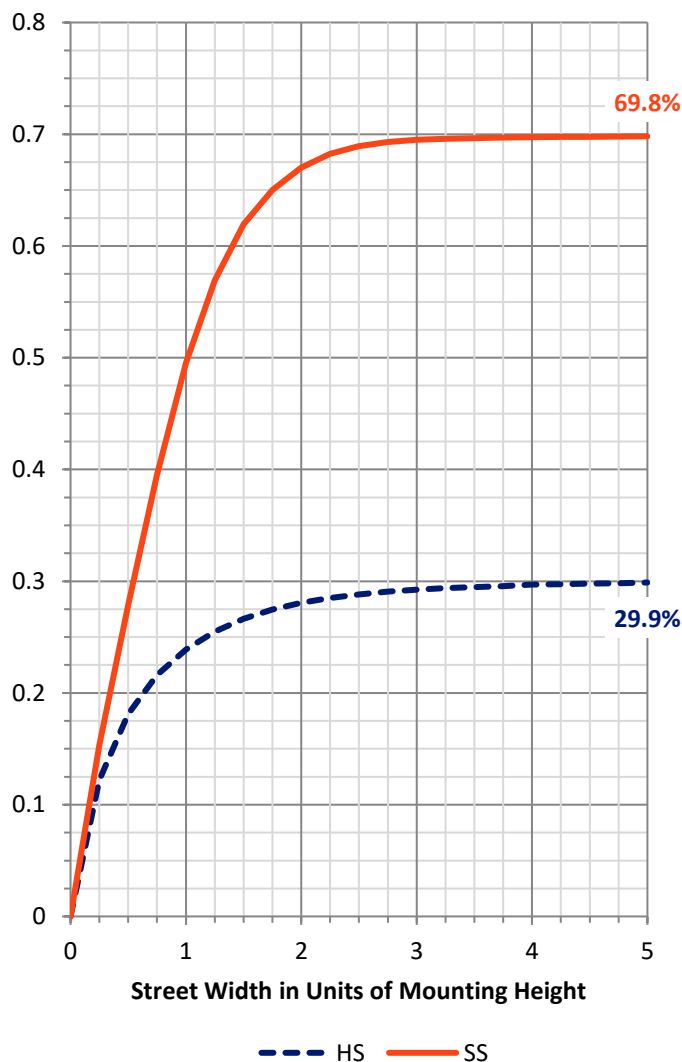
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7441.8	0.0	7441.8
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	17244.2	0.0	17244.2
	% Fixture	69.9	0.0	69.9
Total	Lumens	24686.0	0.0	24686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.8	3.4
10°-20°	1812.0	7.3
20°-30°	2737.7	11.1
30°-40°	3956.1	16.0
40°-50°	5264.9	21.3
50°-60°	5888.9	23.9
60°-70°	3319.0	13.4
70°-80°	739.8	3.0
80°-90°	131.7	0.5
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°	24686.0	100.0
0°-180°	24686.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531904

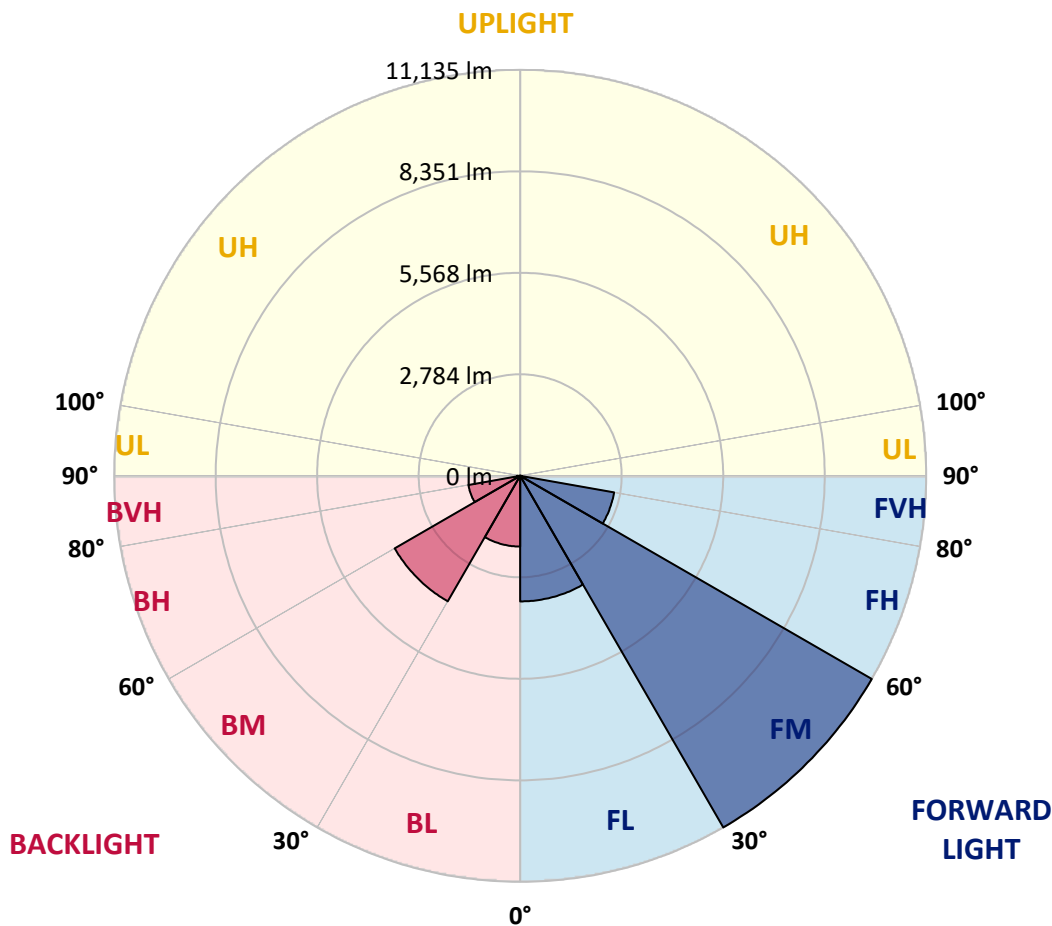
CATALOG NUMBER: GLAN-SA7B-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3444.9	14.0			
FM (30°-60°)	11135.3	45.1			
FH (60°-80°)	2616.3	10.6			G2/5000
FVH (80°-90°)	47.7	0.2			G1/100
BL (0°-30°)	1940.6	7.9	B3/2500		
BM (30°-60°)	3974.7	16.1	B3/5000		
BH (60°-80°)	1442.5	5.8	B3/2500		G3/2500
BVH (80°-90°)	84.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P531904

CATALOG NUMBER: GLAN-SA7B-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8
2.5°	11138.3	11317.2	11124.0	10780.5	10537.2	10315.3	10082.8	10036.3	9732.1	9678.5	9456.6
5°	10505.0	10465.6	10229.5	9778.6	9281.3	8830.5	8497.7	8175.7	7957.4	7703.4	7685.5
7.5°	9735.7	9506.7	9370.7	8687.4	8071.9	7363.5	7059.4	6569.2	6415.3	6186.3	6068.3
10°	9048.7	8880.6	8562.1	7878.7	7020.0	6551.3	6225.7	5960.9	5782.0	5545.9	5248.9
12.5°	8708.8	8640.8	8283.0	7224.0	6587.1	6086.2	5857.2	5599.6	5295.4	4916.2	4769.5
15°	8769.6	8540.7	8268.7	7098.7	6218.5	5735.5	5370.6	5048.5	4658.5	4297.2	4086.1
17.5°	9224.1	9048.7	8504.9	7177.4	6079.0	5381.3	4719.4	4243.5	3892.9	3567.3	3420.6
20°	10118.5	9864.5	9252.7	7277.6	5778.5	4887.5	4129.0	3542.2	3166.5	2994.8	2944.7
22.5°	11109.7	10959.4	9982.6	7503.0	5538.7	4429.5	3502.9	2916.1	2776.5	2730.0	2823.0
25°	12315.4	11925.4	11116.8	7871.6	5352.7	4039.5	2973.3	2647.7	2576.2	2622.7	2730.0
27.5°	13231.4	13127.6	11911.1	8218.6	5098.6	3570.8	2676.3	2461.7	2483.1	2529.6	2629.8
30°	14319.1	13793.1	12680.4	8458.4	4869.6	3248.8	2468.8	2411.6	2433.0	2511.7	2561.8
32.5°	14973.9	14777.1	13163.4	8819.7	4604.9	2969.7	2307.8	2254.1	2286.3	2404.4	2522.5
35°	15807.5	15417.5	13760.9	8912.8	4418.8	2858.8	2193.3	2153.9	2229.1	2311.4	2443.8
37.5°	16780.8	16512.4	14587.5	8848.4	4318.6	2744.3	2096.7	2078.8	2132.5	2247.0	2400.8
40°	17356.8	17274.5	15020.4	8887.7	4161.2	2644.1	1985.8	2007.3	2118.2	2207.6	2357.9
42.5°	17911.4	17374.7	15660.9	8873.4	4061.0	2508.2	1996.5	1971.5	2057.3	2161.1	2304.2
45°	18033.1	17499.9	15811.1	8773.2	3939.4	2375.8	1914.2	1925.0	2028.7	2157.5	2250.6
47.5°	17954.3	17560.8	16090.2	8744.6	3824.9	2282.8	1792.6	1921.4	1982.2	2086.0	2218.4
50°	17900.7	17879.2	16326.4	8880.6	3671.0	2136.1	1645.9	1874.9	1935.7	2039.5	2182.6
52.5°	18373.0	18326.5	16916.7	9238.4	3549.4	1978.6	1495.6	1756.8	1903.5	2003.7	2143.2
55°	18659.2	18455.3	17929.3	9678.5	3345.4	1771.1	1391.8	1610.1	1824.8	1914.2	2057.3
57.5°	16784.3	16644.8	16219.0	9034.4	3001.9	1499.2	1263.0	1459.8	1717.4	1857.0	2003.7
60°	13964.9	13746.6	12655.3	7678.4	2214.8	1166.4	1184.3	1341.7	1688.8	1742.5	1914.2
62.5°	13167.0	12626.7	11141.9	6179.2	1699.5	1001.8	1062.7	1234.4	1538.5	1628.0	1799.7
65°	10447.7	10047.0	7971.8	4461.8	1137.8	869.5	969.6	1112.8	1327.4	1502.8	1660.2
67.5°	6540.6	6157.7	4254.2	2111.0	794.3	744.2	865.9	1016.1	1191.5	1348.9	1524.2
70°	3417.0	2998.4	1964.3	762.1	547.4	608.3	722.8	865.9	1037.6	1166.4	1302.4
72.5°	1273.8	1034.0	640.5	329.2	379.3	465.1	586.8	690.6	812.2	969.6	1044.8
75°	196.8	168.2	164.6	200.4	257.6	336.3	418.6	522.4	629.7	729.9	780.0
77.5°	93.0	89.4	100.2	132.4	171.7	239.7	304.1	404.3	490.2	554.6	583.2
80°	60.8	57.2	64.4	89.4	128.8	178.9	243.3	311.3	390.0	443.7	436.5
82.5°	35.8	39.4	39.4	60.8	89.4	128.8	175.3	236.1	289.8	336.3	307.7
85°	21.5	17.9	17.9	35.8	60.8	103.8	146.7	100.2	103.8	103.8	118.1
87.5°	7.2	7.2	7.2	3.6	7.2	7.2	10.7	17.9	21.5	25.0	32.2
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: P531904

CATALOG NUMBER: GLAN-SA7B-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8
2.5°	9449.5	9560.4	9521.0	9381.5	9488.8	9506.7	9435.2	9682.0	9728.5	9653.4	9674.9
5°	7660.5	7689.1	7753.5	7889.5	7986.1	8100.6	8100.6	8107.7	8011.1	8254.4	8182.9
7.5°	5968.1	5986.0	6061.1	6350.9	6433.2	6651.5	6744.5	6680.1	6486.9	6404.6	6472.6
10°	5152.3	5048.5	5023.5	5059.3	5245.3	5338.4	5417.1	5395.6	5363.4	5299.0	5227.4
12.5°	4608.4	4533.3	4472.5	4386.6	4397.3	4486.8	4547.6	4497.5	4511.8	4526.2	4547.6
15°	4018.1	3964.4	3932.2	3803.4	3789.1	3849.9	3871.4	3900.0	3953.7	3957.3	3932.2
17.5°	3391.9	3345.4	3417.0	3488.5	3438.4	3442.0	3481.4	3506.4	3492.1	3427.7	3395.5
20°	2962.6	3012.7	3084.2	3152.2	3205.9	3238.1	3252.4	3213.0	3166.5	3034.1	3030.6
22.5°	2837.3	2901.7	2962.6	3066.3	3116.4	3198.7	3123.6	3034.1	2969.7	2905.3	2830.2
25°	2744.3	2798.0	2919.6	2959.0	3055.6	3123.6	3069.9	2980.5	2869.5	2776.5	2719.3
27.5°	2676.3	2737.2	2815.9	2923.2	2998.4	3037.7	2984.0	2948.3	2833.8	2722.8	2640.6
30°	2633.4	2697.8	2840.9	2930.4	2994.8	3027.0	2933.9	2891.0	2808.7	2715.7	2644.1
32.5°	2604.8	2662.0	2783.7	2898.2	2941.1	2941.1	2955.4	2905.3	2790.8	2633.4	2572.6
35°	2511.7	2590.5	2690.6	2823.0	2901.7	2948.3	2876.7	2819.5	2744.3	2583.3	2472.4
37.5°	2458.1	2511.7	2640.6	2765.8	2833.8	2883.9	2855.2	2755.1	2654.9	2522.5	2433.0
40°	2400.8	2486.7	2601.2	2719.3	2794.4	2844.5	2823.0	2705.0	2583.3	2458.1	2397.3
42.5°	2361.5	2418.7	2536.8	2669.2	2758.6	2855.2	2790.8	2644.1	2558.3	2386.5	2318.5
45°	2329.3	2422.3	2547.5	2601.2	2694.2	2794.4	2679.9	2590.5	2490.3	2365.0	2307.8
47.5°	2289.9	2375.8	2458.1	2601.2	2644.1	2690.6	2669.2	2526.1	2440.2	2304.2	2264.9
50°	2275.6	2307.8	2458.1	2536.8	2597.6	2644.1	2586.9	2479.5	2397.3	2257.7	2171.8
52.5°	2218.4	2279.2	2375.8	2479.5	2554.7	2611.9	2518.9	2450.9	2340.0	2193.3	2139.6
55°	2146.8	2182.6	2354.3	2461.7	2501.0	2540.4	2504.6	2393.7	2279.2	2128.9	2075.2
57.5°	2053.8	2136.1	2275.6	2425.9	2476.0	2497.4	2440.2	2350.7	2207.6	2075.2	1989.4
60°	1957.2	2043.0	2196.9	2318.5	2368.6	2447.3	2361.5	2307.8	2143.2	1996.5	1903.5
62.5°	1860.6	1957.2	2071.7	2225.5	2268.4	2300.6	2279.2	2204.0	2071.7	1907.1	1792.6
65°	1746.1	1817.6	1960.7	2039.5	2068.1	2143.2	2068.1	2039.5	1921.4	1763.9	1667.3
67.5°	1574.3	1635.1	1760.4	1835.5	1857.0	1889.2	1885.6	1853.4	1721.0	1613.7	1527.8
70°	1377.5	1431.2	1509.9	1599.4	1610.1	1649.5	1613.7	1606.5	1520.6	1373.9	1327.4
72.5°	1105.6	1155.7	1259.5	1298.8	1302.4	1316.7	1298.8	1273.8	1252.3	1098.4	1051.9
75°	848.0	876.6	926.7	962.5	962.5	980.4	969.6	944.6	887.3	790.7	744.2
77.5°	590.4	619.0	683.4	704.9	701.3	708.4	676.2	651.2	565.3	515.2	475.9
80°	429.4	447.2	479.5	493.8	497.3	508.1	468.7	447.2	397.2	339.9	322.0
82.5°	311.3	322.0	325.6	343.5	343.5	325.6	314.9	293.4	257.6	221.8	207.5
85°	128.8	132.4	136.0	157.4	161.0	193.2	178.9	168.2	146.7	125.2	114.5
87.5°	32.2	35.8	46.5	39.4	46.5	46.5	50.1	57.2	57.2	46.5	46.5
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: P531904

CATALOG NUMBER: GLAN-SA7B-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8
2.5°	9757.2	9785.8	10150.8	10197.3	10376.2	10558.6	10927.2	11191.9	11406.6	11546.2	11585.5
5°	8258.0	8440.5	8608.6	8880.6	9127.4	9478.1	9882.4	10383.3	11013.0	11335.1	11463.9
7.5°	6465.4	6680.1	6923.4	7188.2	7549.6	8179.3	8719.6	9299.2	10104.2	10437.0	10941.5
10°	5277.5	5517.3	5839.3	6043.2	6479.7	7080.8	7710.6	8379.6	9148.9	9628.4	10211.6
12.5°	4665.7	4862.5	5159.5	5588.8	5914.4	6304.4	6773.1	7617.5	8719.6	9174.0	9574.7
15°	3989.5	4207.7	4551.2	5027.1	5417.1	5882.2	6408.2	7327.7	8501.3	9202.6	9542.5
17.5°	3431.3	3588.7	3950.1	4361.6	4808.8	5316.9	6071.8	7313.4	8730.3	9628.4	10183.0
20°	3044.9	3066.3	3263.1	3613.8	4222.0	4884.0	5864.3	7241.8	9463.8	10361.9	11063.1
22.5°	2801.6	2780.1	2783.7	3080.6	3506.4	4458.2	5538.7	7485.2	10297.4	11528.3	12000.6
25°	2679.9	2622.7	2586.9	2651.3	3037.7	3953.7	5291.8	7807.2	11195.5	12490.8	13070.4
27.5°	2615.5	2515.3	2443.8	2454.5	2737.2	3699.6	5138.0	7946.7	12086.4	13832.5	14036.4
30°	2590.5	2465.2	2361.5	2325.7	2511.7	3345.4	4808.8	8186.4	12884.3	14569.6	14744.9
32.5°	2501.0	2347.2	2247.0	2214.8	2289.9	3034.1	4572.7	8358.2	13589.2	15371.0	15310.2
35°	2397.3	2268.4	2143.2	2082.4	2136.1	2833.8	4383.0	8275.9	14419.3	15993.6	15961.4
37.5°	2386.5	2218.4	2114.6	2014.4	2010.8	2586.9	4125.4	8354.6	14948.8	17109.9	16669.8
40°	2293.5	2186.2	2050.2	1967.9	1921.4	2461.7	3875.0	8168.5	15725.3	17560.8	17127.8
42.5°	2297.1	2136.1	2018.0	1921.4	1874.9	2279.2	3703.2	8118.5	15997.2	18294.3	17342.5
45°	2239.8	2082.4	1982.2	1867.7	1842.7	2139.6	3538.6	7885.9	16476.6	18330.0	17074.2
47.5°	2182.6	2043.0	1935.7	1799.7	1742.5	2089.5	3409.8	7692.7	16226.2	17993.7	16702.0
50°	2143.2	1982.2	1882.0	1785.4	1624.4	2003.7	3241.7	7646.2	15875.5	17539.3	16011.5
52.5°	2075.2	1932.1	1828.4	1753.2	1495.6	1925.0	3177.3	7918.1	16304.9	17199.4	15811.1
55°	2010.8	1864.1	1731.7	1585.0	1388.3	1717.4	2998.4	8172.1	16931.0	17983.0	16719.9
57.5°	1942.8	1803.3	1660.2	1484.9	1284.5	1502.8	2812.3	8218.6	15757.5	16619.8	15872.0
60°	1853.4	1674.5	1567.2	1338.2	1173.6	1245.1	2229.1	7245.4	12222.4	13879.0	13904.1
62.5°	1753.2	1560.0	1467.0	1198.6	1059.1	1073.4	1817.6	6089.7	9914.6	11488.9	12172.3
65°	1620.8	1434.8	1323.9	1109.2	976.8	930.3	1331.0	4461.8	7531.7	9320.7	10097.1
67.5°	1449.1	1273.8	1134.2	966.1	873.0	797.9	908.8	2511.7	4447.4	6257.9	6494.0
70°	1266.6	1116.3	969.6	830.1	726.3	672.7	665.5	1112.8	2125.3	3366.9	3832.0
72.5°	998.3	890.9	772.8	669.1	601.1	522.4	475.9	461.6	719.2	1370.4	1892.8
75°	715.6	626.1	558.2	490.2	440.1	397.2	361.4	329.2	300.6	343.5	472.3
77.5°	450.8	418.6	365.0	347.1	318.4	307.7	293.4	275.5	254.0	239.7	239.7
80°	304.1	282.7	264.8	261.2	250.5	246.9	250.5	232.6	211.1	193.2	200.4
82.5°	203.9	200.4	196.8	193.2	196.8	200.4	207.5	203.9	186.1	175.3	178.9
85°	121.7	128.8	136.0	143.1	157.4	139.5	114.5	96.6	85.9	78.7	75.1
87.5°	46.5	64.4	57.2	53.7	57.2	53.7	50.1	46.5	39.4	35.8	35.8
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: P531904

CATALOG NUMBER: GLAN-SA7B-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8	10955.8
2.5°	11846.7	11918.3	11979.1	11964.8	11839.6	11671.4	11603.4	11256.3	11184.8	11138.3
5°	12007.7	12422.8	12512.2	12458.6	12133.0	11721.5	11320.8	10812.7	10515.7	10505.0
7.5°	11710.8	12222.4	12383.4	12505.1	12072.1	11356.5	10669.6	9907.4	9721.4	9735.7
10°	10955.8	11771.6	12168.7	12294.0	11796.6	11177.6	10225.9	9453.0	9055.9	9048.7
12.5°	10537.2	11177.6	11288.6	11463.9	11317.2	10691.0	9968.3	9102.4	8716.0	8708.8
15°	10165.1	10587.3	10619.5	10866.3	10945.1	10522.9	10036.3	9113.1	8801.8	8769.6
17.5°	10490.7	10197.3	10075.6	10107.8	10340.4	10494.2	10429.8	9721.4	9403.0	9224.1
20°	10708.9	10054.1	9685.6	9721.4	9996.9	10558.6	11016.6	10601.6	10097.1	10118.5
22.5°	11292.1	10075.6	9499.6	9460.2	9896.7	10895.0	11678.6	11714.3	11227.7	11109.7
25°	12165.2	10322.5	9442.3	9431.6	9850.2	11256.3	12451.4	13031.0	12533.7	12315.4
27.5°	12866.4	10708.9	9621.2	9657.0	9996.9	11549.7	13109.7	13879.0	13499.7	13231.4
30°	13481.9	11109.7	9871.7	9707.1	10390.5	11703.6	13392.4	14845.1	14540.9	14319.1
32.5°	13735.9	11678.6	10268.8	9996.9	10716.1	11889.7	13979.2	15782.5	15521.3	14973.9
35°	14165.3	11997.0	10483.5	10462.0	11285.0	12336.9	14254.7	16401.5	16294.2	15807.5
37.5°	14508.7	12319.0	11245.6	11009.5	12065.0	13088.3	14698.4	17256.6	17009.8	16780.8
40°	14773.5	12895.1	11957.6	12268.9	13023.9	13771.7	15106.3	17310.3	18022.3	17356.8
42.5°	14530.2	13410.3	13127.6	13871.9	14587.5	14551.7	15152.8	17725.4	18258.5	17911.4
45°	14469.4	14283.3	14977.5	15653.7	15818.3	15199.3	14820.0	17267.4	18186.9	18033.1
47.5°	14322.7	15142.0	16351.4	17453.4	17203.0	15632.2	14422.9	17185.1	18229.8	17954.3
50°	14272.6	15328.1	17367.6	18440.9	18290.7	16007.9	14236.8	16655.5	17925.7	17900.7
52.5°	14269.0	15710.9	17789.8	18977.6	19070.7	16601.9	14490.9	16923.9	18161.9	18373.0
55°	14430.0	15589.3	17736.1	18680.7	18644.9	16337.1	14519.5	17102.8	18451.7	18659.2
57.5°	13610.7	13964.9	14637.5	15385.3	15192.1	13531.9	12966.6	15811.1	16934.6	16784.3
60°	11753.7	10644.5	9886.0	9850.2	9474.5	8955.7	10612.3	14111.6	14111.6	13964.9
62.5°	10293.9	6987.8	6003.9	5724.8	5993.1	6590.7	10236.6	13725.2	13335.2	13167.0
65°	9002.2	5334.8	4340.1	4261.4	4726.5	5628.2	9256.3	11692.9	11005.9	10447.7
67.5°	5792.8	3907.2	3227.3	3087.8	3649.5	4132.6	6161.3	7191.8	6758.8	6540.6
70°	3735.4	2543.9	1796.1	1685.2	1903.5	2547.5	3935.8	4193.4	3563.7	3417.0
72.5°	1767.5	1098.4	629.7	518.8	583.2	973.2	1556.4	1674.5	1391.8	1273.8
75°	561.7	404.3	257.6	221.8	211.1	250.5	357.8	275.5	200.4	196.8
77.5°	250.5	239.7	203.9	171.7	150.3	125.2	103.8	85.9	89.4	93.0
80°	207.5	189.6	168.2	150.3	125.2	96.6	75.1	57.2	57.2	60.8
82.5°	182.5	164.6	146.7	125.2	107.3	78.7	57.2	39.4	35.8	35.8
85°	78.7	93.0	100.2	107.3	85.9	64.4	39.4	25.0	21.5	21.5
87.5°	32.2	28.6	25.0	21.5	17.9	17.9	14.3	10.7	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)