

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: P455771

Luminaire Tested: **GLAN-SA7A-727-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-727-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22962 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

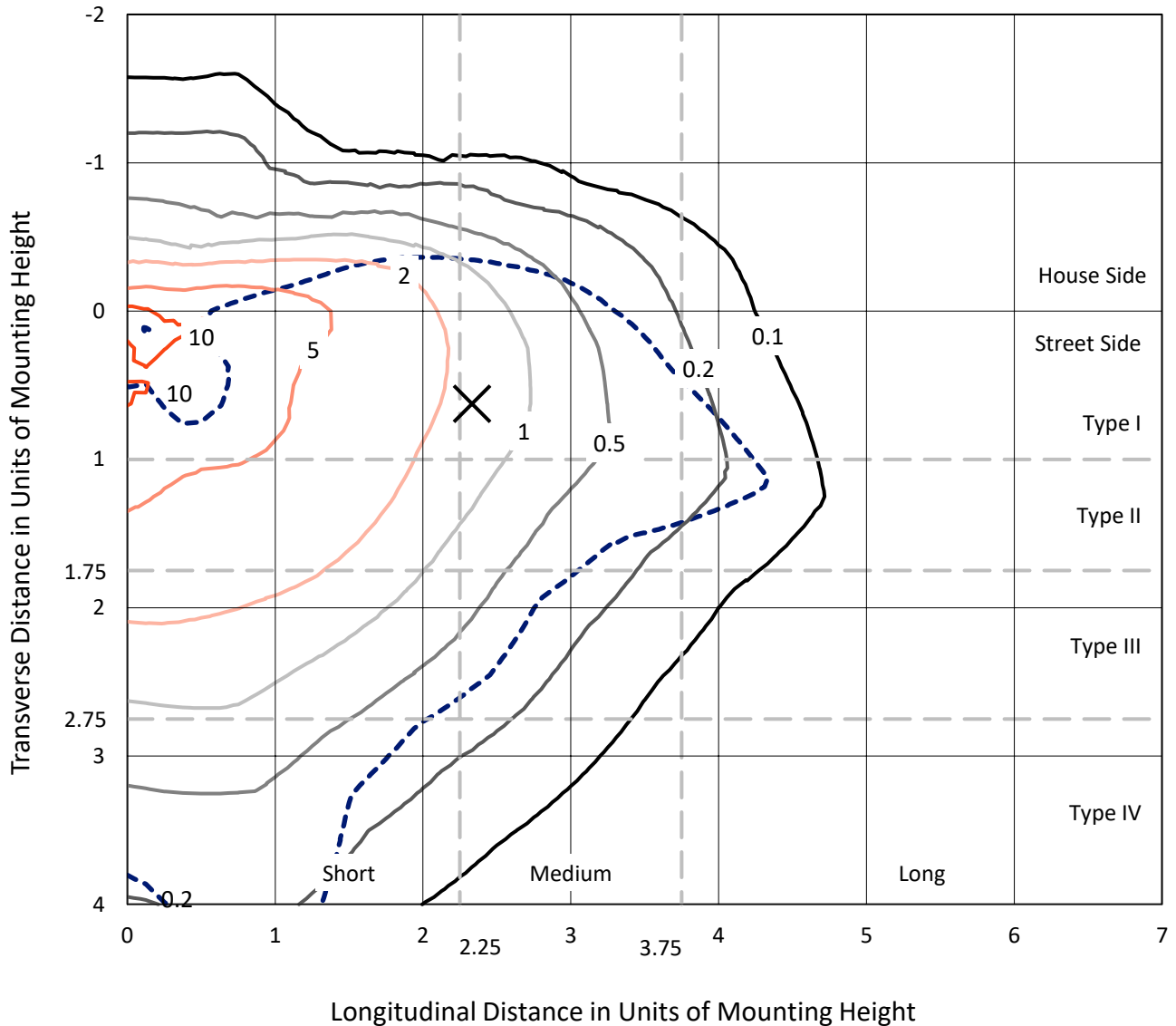
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455771
 CATALOG NUMBER: GLAN-SA7A-727-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

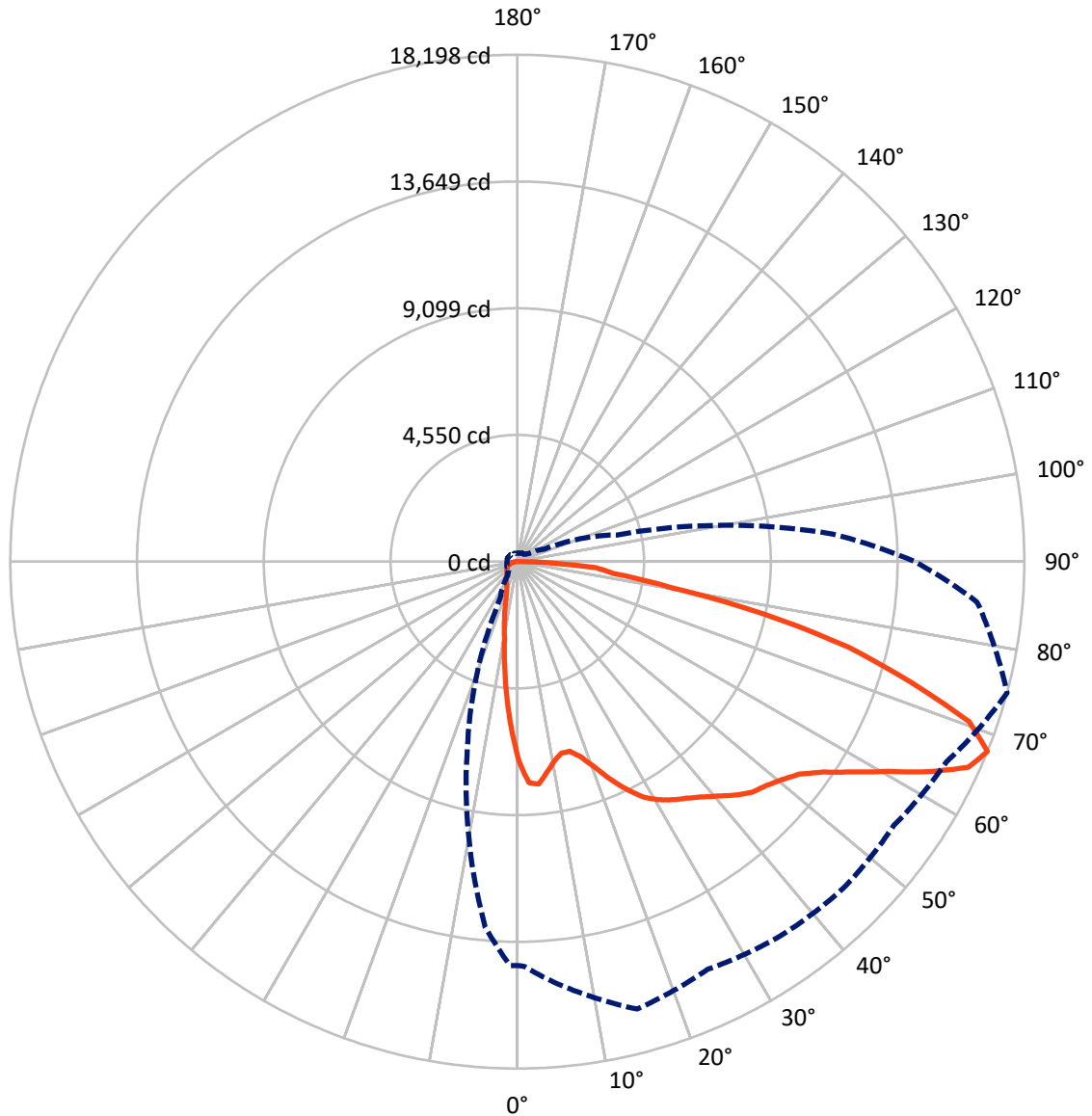
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P455771
CATALOG NUMBER: GLAN-SA7A-727-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P455771

CATALOG NUMBER: GLAN-SA7A-727-U-SLL

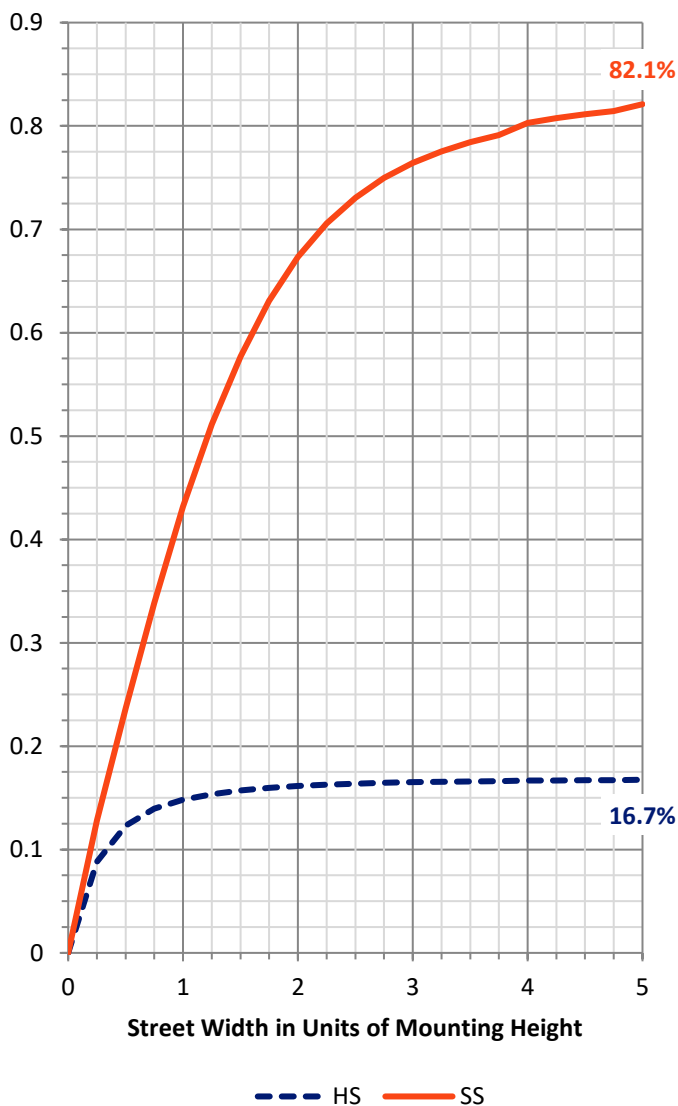
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3881.1	0.0	3881.1
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	19080.9	0.0	19080.9
	% Fixture	83.1	0.0	83.1
Total	Lumens	22962.0	0.0	22962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.1	2.4
10°-20°	1134.8	4.9
20°-30°	1633.0	7.1
30°-40°	2351.9	10.2
40°-50°	3303.8	14.4
50°-60°	4607.6	20.1
60°-70°	5478.2	23.9
70°-80°	3226.3	14.1
80°-90°	682.3	3.0
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°	22962.0	100.0
0°-180°	22962.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455771

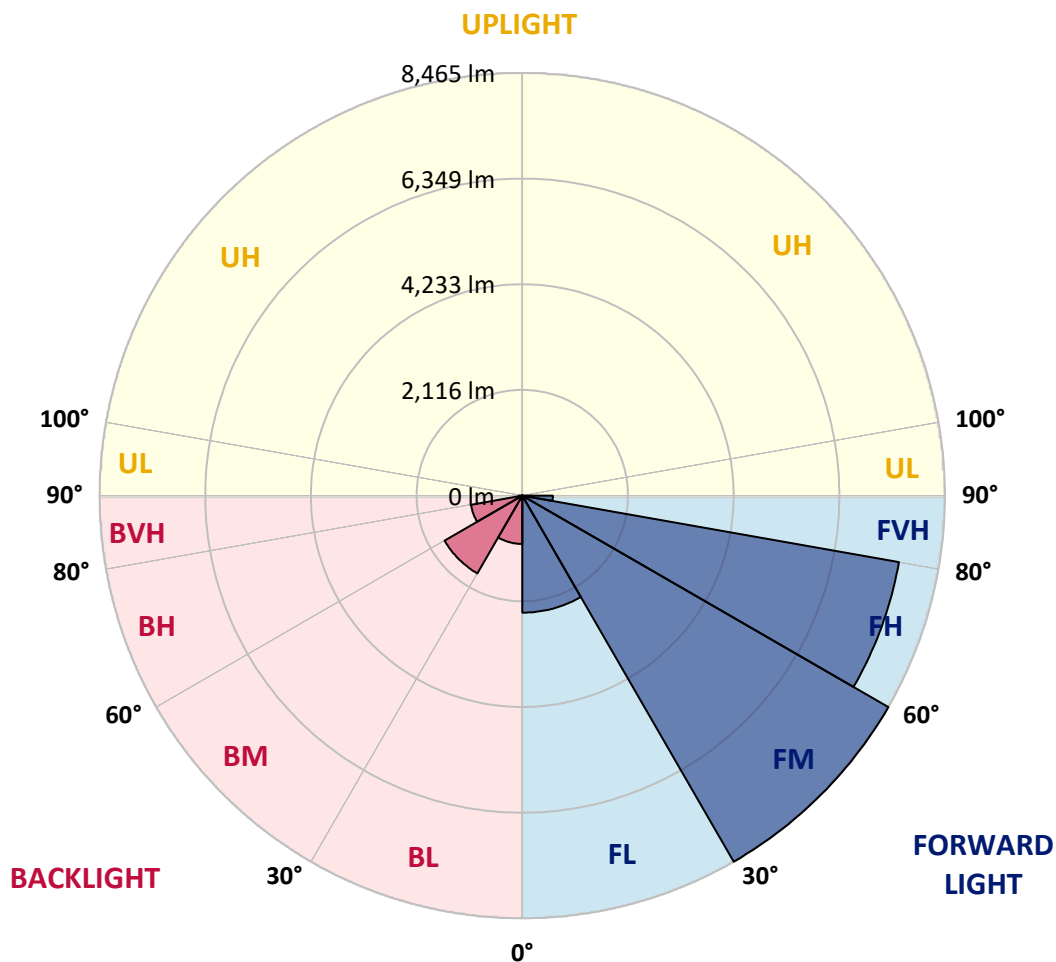
CATALOG NUMBER: GLAN-SA7A-727-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2343.8	10.2			
FM	(30°-60°)	8465.2	36.9			
FH	(60°-80°)	7660.2	33.4			G4/12000
FVH	(80°-90°)	611.7	2.7			G4/750
BL	(0°-30°)	968.1	4.2	B2/1000		
BM	(30°-60°)	1798.1	7.8	B2/2500		
BH	(60°-80°)	1044.3	4.5	B3/2500		G3/2500
BVH	(80°-90°)	70.6	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-G4

Type III Medium





REPORT NUMBER: P455771

CATALOG NUMBER: GLAN-SA7A-727-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9
2.5°	7734.9	7745.2	7811.5	8004.3	8136.9	8185.5	8219.3	8156.0	8094.2	7944.0	7717.2
5°	7711.3	7771.7	7944.0	8376.9	8718.5	8865.7	8909.9	8720.0	8406.3	8020.5	7556.7
7.5°	7260.7	7341.7	7606.8	8332.7	8934.9	9279.5	9233.9	8890.8	8325.3	7637.7	6989.8
10°	6726.2	6816.1	7135.6	8013.2	8789.2	9263.3	9263.3	8845.1	8094.2	7276.9	6530.4
12.5°	6302.2	6396.4	6761.6	7684.8	8485.8	8934.9	9010.0	8650.8	7927.8	7048.7	6228.5
15°	6162.3	6253.6	6646.7	7486.0	8164.8	8438.7	8463.8	8346.0	7846.8	7064.9	6215.3
17.5°	6336.0	6453.8	6851.4	7544.9	7870.4	7886.5	7905.7	7998.5	7855.6	7360.9	6483.3
20°	6838.1	6964.8	7380.0	7734.9	7612.7	7444.8	7455.1	7693.7	7960.2	7849.7	7123.8
22.5°	7562.6	7673.0	8098.6	8069.1	7503.7	7157.7	7085.5	7418.3	8114.8	8459.3	7805.6
25°	8344.5	8474.1	8962.9	8565.4	7534.6	6986.9	6941.2	7256.3	8275.3	9029.2	8593.3
27.5°	9239.7	9366.4	9752.2	9066.0	7696.6	6973.6	6919.1	7241.6	8419.6	9556.3	9345.8
30°	9905.3	10021.6	10283.7	9487.1	7895.4	7062.0	6994.2	7357.9	8543.3	9917.1	10079.1
32.5°	10428.0	10548.8	10691.6	9749.2	8157.5	7222.5	7097.3	7570.0	8705.2	10192.4	10622.4
35°	10972.8	11115.7	11105.4	9981.9	8401.9	7408.0	7285.8	7876.2	8960.0	10432.4	11311.5
37.5°	11663.4	11720.9	11647.2	10191.0	8694.9	7742.2	7674.5	8331.2	9322.2	10722.5	12117.0
40°	12364.3	12479.2	12100.8	10444.2	9051.3	8371.0	8363.6	9004.2	9752.2	11062.7	12897.4
42.5°	12965.1	13062.3	12524.8	10665.1	9482.7	9138.1	9194.1	9906.8	10316.1	11457.3	13524.6
45°	13417.1	13504.0	12916.5	10878.6	10051.1	10024.6	10354.4	10874.2	11027.3	11812.2	13892.8
47.5°	13801.5	13885.4	13188.9	11202.5	10753.4	11083.3	11657.5	11882.8	11635.5	12015.4	14305.0
50°	14125.4	14150.4	13375.9	11588.3	11625.1	12380.5	12937.1	13082.9	12236.2	12306.9	14662.9
52.5°	14462.6	14430.2	13698.4	12074.3	12567.5	13611.5	14016.4	14168.1	12812.0	12666.2	15184.1
55°	15218.0	15248.9	14421.4	12686.8	13520.2	14820.4	15353.4	15207.7	13449.5	13327.3	15846.7
57.5°	16130.9	16104.4	15438.8	13645.4	14490.6	15945.4	16342.9	16108.8	14300.6	14235.8	16518.2
60°	16485.8	16521.1	16289.9	14676.1	15447.7	16930.5	17336.9	16973.2	15321.0	15291.6	17024.7
62.5°	16129.4	16328.2	16484.3	15593.5	16263.4	17654.9	18058.4	17643.1	16385.6	16599.2	17379.6
65°	15419.7	15462.4	15994.0	16370.9	16656.6	17774.2	17984.7	17763.9	17275.0	17790.4	17363.4
67.5°	14497.9	14534.7	15157.6	16625.7	16150.0	16419.5	16566.8	16502.0	16999.7	18198.3	16563.8
70°	13620.3	13590.9	14249.1	15976.3	14059.1	13649.8	13772.0	13568.8	14668.7	17201.4	14995.6
72.5°	11912.3	12018.3	12725.1	14171.0	11131.9	10466.3	10732.8	10207.2	11282.1	14732.1	12171.4
75°	9331.0	9356.1	10535.5	11893.1	8397.5	7347.6	7708.4	7489.0	8641.9	12289.2	8404.9
77.5°	6461.2	6405.2	7673.0	9083.7	5988.5	5378.9	5384.8	5280.3	6034.2	9048.3	5710.2
80°	4103.8	4018.4	4803.2	5611.6	4115.6	4402.7	4258.4	4254.0	3928.5	5582.1	3452.9
82.5°	2217.5	2311.8	3034.8	3517.7	2952.3	3402.9	3118.7	3027.4	2696.1	3494.2	2208.7
85°	1010.1	1098.5	1618.2	2392.8	2242.6	2267.6	1515.2	1787.6	2230.8	2837.4	1179.4
87.5°	98.7	126.6	334.3	1129.4	765.7	603.7	225.3	434.4	561.0	1008.6	94.2
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: P455771
 CATALOG NUMBER: GLAN-SA7A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9
2.5°	7624.4	7547.9	7287.3	7072.3	6844.0	6670.3	6443.5	6291.9	6187.3	6029.8	6010.6
5°	7274.0	7087.0	6633.5	6171.1	5772.1	5471.7	5166.9	4887.1	4722.2	4670.7	4604.4
7.5°	6683.5	6368.4	5785.3	5255.2	4797.3	4349.7	4005.1	3760.7	3597.2	3501.5	3386.7
10°	6197.6	5832.5	5122.7	4473.4	4096.4	3818.1	3514.8	3252.7	3051.0	2878.7	2784.4
12.5°	5870.7	5458.4	4660.4	4133.2	3841.7	3545.7	3190.8	2896.3	2598.9	2403.1	2319.1
15°	5772.1	5336.2	4517.5	3963.9	3545.7	3158.4	2760.9	2376.6	2082.1	1896.5	1834.7
17.5°	6013.6	5486.4	4516.1	3738.6	3198.2	2735.8	2226.4	1865.6	1563.8	1425.4	1381.2
20°	6464.1	5775.0	4529.3	3516.3	2821.3	2170.4	1619.7	1323.8	1179.4	1120.5	1098.5
22.5°	7092.9	6215.3	4569.1	3296.9	2409.0	1666.8	1213.3	1063.1	1011.6	1001.3	996.9
25°	7867.4	6760.1	4703.1	3099.5	2061.5	1272.2	1014.5	946.8	917.3	907.0	905.6
27.5°	8580.1	7463.9	4865.0	2930.2	1725.7	1097.0	917.3	859.9	830.5	829.0	831.9
30°	9223.5	8052.9	5000.5	2740.3	1471.0	974.8	854.0	796.6	768.6	767.2	776.0
32.5°	9780.1	8537.4	5100.6	2553.3	1329.6	899.7	796.6	734.8	711.2	706.8	711.2
35°	10375.0	9020.3	5055.0	2407.5	1248.7	837.8	753.9	693.5	665.6	652.3	652.3
37.5°	11053.8	9518.0	4976.9	2286.7	1211.8	786.3	717.1	658.2	630.2	617.0	615.5
40°	11794.5	10015.7	4869.5	2179.3	1175.0	755.4	692.1	630.2	596.4	583.1	580.2
42.5°	12448.3	10441.3	4781.1	2108.6	1114.7	761.3	670.0	609.6	566.9	549.2	547.8
45°	13016.6	10869.8	4764.9	2067.3	1064.6	752.4	664.1	593.4	543.3	524.2	521.3
47.5°	13461.3	11315.9	4857.7	2043.8	1010.1	705.3	702.4	583.1	522.7	502.1	499.2
50°	14003.2	11949.1	5069.7	1995.2	960.1	661.1	742.1	581.6	506.5	480.0	472.7
52.5°	14724.7	12773.7	5356.8	1908.3	887.9	619.9	708.3	581.6	487.4	460.9	452.0
55°	15815.8	13825.0	5638.1	1786.1	786.3	565.4	639.1	564.0	459.4	435.9	430.0
57.5°	16538.8	14593.6	5817.7	1616.8	659.7	525.7	550.7	536.0	431.4	406.4	406.4
60°	16575.6	14799.8	5732.3	1403.3	580.2	488.9	478.6	540.4	406.4	379.9	377.0
62.5°	16151.5	14294.7	5287.6	1211.8	537.5	449.1	432.9	474.1	381.4	354.9	350.4
65°	15488.9	13006.3	4516.1	1120.5	513.9	413.8	390.2	388.7	354.9	329.8	323.9
67.5°	14271.2	11366.0	3710.6	1067.5	502.1	374.0	351.9	344.6	323.9	303.3	300.4
70°	12476.2	9519.5	2975.9	1045.5	496.2	332.8	315.1	306.3	288.6	272.4	270.9
72.5°	9706.5	7721.6	2456.1	1030.7	493.3	294.5	275.4	263.6	253.3	238.5	238.5
75°	6972.1	5680.8	1874.5	929.1	456.5	253.3	232.7	225.3	210.6	198.8	201.7
77.5°	4395.3	3825.5	1233.9	683.2	353.4	203.2	185.5	181.1	169.3	153.1	163.4
80°	2968.5	2690.2	720.0	430.0	222.3	148.7	142.8	141.4	128.1	110.4	111.9
82.5°	2020.2	1981.9	374.0	244.4	128.1	86.9	83.9	86.9	72.2	58.9	58.9
85°	789.2	1077.8	176.7	95.7	41.2	13.3	19.1	20.6	11.8	5.9	7.4
87.5°	14.7	110.4	4.4	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



REPORT NUMBER: P455771
 CATALOG NUMBER: GLAN-SA7A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9
2.5°	5981.2	5967.9	5990.0	5895.8	5914.9	5950.2	5967.9	5978.2	6124.0	6090.1	6182.9
5°	4666.3	4653.0	4738.4	4750.2	4794.4	4785.5	4828.2	4838.5	4891.5	4910.7	5040.3
7.5°	3394.0	3451.5	3548.7	3598.7	3673.8	3697.4	3675.3	3729.8	3619.3	3698.8	3722.4
10°	2727.0	2657.8	2616.6	2731.4	2746.2	2855.1	2810.9	2775.6	2840.4	2843.3	2905.2
12.5°	2270.5	2121.8	2023.2	2055.6	2090.9	2138.0	2145.4	2216.1	2263.2	2307.4	2344.2
15°	1780.2	1728.7	1638.9	1594.7	1644.7	1663.9	1709.5	1768.4	1818.5	1831.8	1881.8
17.5°	1366.5	1375.3	1360.6	1334.1	1365.0	1379.7	1382.6	1384.1	1397.4	1388.5	1462.2
20°	1099.9	1130.9	1167.7	1173.6	1183.9	1191.2	1178.0	1127.9	1129.4	1160.3	1183.9
22.5°	995.4	1001.3	1042.5	1055.8	1088.2	1074.9	1036.6	1013.1	1010.1	1017.5	1029.3
25°	912.9	921.8	951.2	971.8	996.9	973.3	945.3	923.2	920.3	927.7	939.4
27.5°	839.3	852.6	879.1	899.7	923.2	901.2	874.6	855.5	854.0	852.6	859.9
30°	780.4	795.1	814.3	837.8	854.0	834.9	809.9	799.6	798.1	795.1	798.1
32.5°	721.5	745.1	764.2	776.0	792.2	777.5	758.3	752.4	742.1	733.3	728.9
35°	655.2	680.3	709.7	724.5	740.7	725.9	712.7	687.6	670.0	668.5	671.4
37.5°	617.0	627.3	650.8	675.9	692.1	684.7	659.7	634.6	630.2	630.2	633.2
40°	583.1	587.5	597.8	630.2	659.7	637.6	606.7	599.3	599.3	597.8	599.3
42.5°	549.2	553.6	553.6	578.7	625.8	590.5	566.9	566.9	566.9	568.4	572.8
45°	518.3	519.8	518.3	536.0	580.2	550.7	534.5	538.9	541.9	544.8	547.8
47.5°	491.8	493.3	491.8	506.5	528.6	516.8	508.0	513.9	519.8	524.2	527.1
50°	468.2	466.8	469.7	478.6	488.9	491.8	485.9	494.7	497.7	503.6	510.9
52.5°	447.6	446.2	449.1	453.5	468.2	468.2	468.2	475.6	481.5	487.4	497.7
55°	424.1	425.5	430.0	435.9	455.0	452.0	453.5	459.4	465.3	474.1	480.0
57.5°	402.0	404.9	410.8	419.7	438.8	437.3	438.8	441.7	449.1	453.5	459.4
60°	377.0	382.8	390.2	396.1	415.2	413.8	421.1	427.0	431.4	431.4	434.4
62.5°	351.9	360.8	368.1	372.5	393.1	394.6	404.9	409.3	412.3	409.3	413.8
65°	326.9	340.1	343.1	349.0	369.6	371.1	382.8	393.1	390.2	387.3	394.6
67.5°	301.9	318.1	316.6	323.9	344.6	347.5	357.8	375.5	369.6	366.6	372.5
70°	273.9	285.7	287.1	291.5	319.5	315.1	331.3	347.5	343.1	344.6	344.6
72.5°	243.0	253.3	253.3	262.1	291.5	284.2	297.4	315.1	315.1	313.6	313.6
75°	206.1	212.0	217.9	231.2	262.1	253.3	262.1	278.3	281.2	278.3	278.3
77.5°	166.4	175.2	178.2	195.8	217.9	216.5	225.3	232.7	238.5	235.6	235.6
80°	117.8	126.6	138.4	157.6	170.8	175.2	179.6	185.5	188.5	188.5	191.4
82.5°	66.3	79.5	89.8	109.0	114.9	136.9	135.5	139.9	135.5	119.3	132.5
85°	14.7	28.0	39.8	50.1	57.4	79.5	83.9	94.2	78.0	72.2	72.2
87.5°	0.0	0.0	0.0	0.0	0.0	11.8	23.6	32.4	28.0	23.6	23.6
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: P455771
 CATALOG NUMBER: GLAN-SA7A-727-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9	7173.9
2.5°	6260.9	6389.0	6543.7	6810.2	6997.2	7198.9	7402.1	7618.6	7676.0	7734.9
5°	5075.6	5327.4	5464.3	5822.1	6197.6	6674.7	7064.9	7491.9	7670.1	7711.3
7.5°	3844.6	4015.4	4374.7	4736.9	5202.2	5702.9	6300.7	6966.3	7173.9	7260.7
10°	3048.0	3280.7	3595.8	3984.5	4392.4	4931.3	5605.7	6383.2	6677.6	6726.2
12.5°	2594.5	2853.6	3196.7	3607.6	3993.3	4399.7	5080.0	5882.5	6197.6	6302.2
15°	2074.7	2388.3	2784.4	3217.3	3637.0	4081.7	4770.8	5676.4	6040.1	6162.3
17.5°	1630.0	1883.3	2311.8	2781.5	3279.2	3841.7	4706.0	5775.0	6222.7	6336.0
20°	1247.2	1428.3	1789.1	2285.3	2868.4	3604.6	4722.2	6147.6	6683.5	6838.1
22.5°	1077.8	1170.6	1390.0	1862.7	2515.0	3398.5	4788.5	6658.5	7304.9	7562.6
25°	976.2	1024.8	1148.5	1457.7	2177.8	3198.2	4940.1	7346.2	8173.7	8344.5
27.5°	889.4	924.7	1001.3	1223.6	1871.5	3012.7	5116.8	8108.9	8985.0	9239.7
30°	806.9	854.0	926.2	1086.7	1675.7	2843.3	5339.2	8727.3	9668.2	9905.3
32.5°	743.6	790.7	857.0	991.0	1509.3	2665.2	5471.7	9270.7	10226.3	10428.0
35°	692.1	731.8	801.0	914.4	1382.6	2529.7	5445.2	9702.1	10766.7	10972.8
37.5°	655.2	689.1	758.3	842.3	1286.9	2388.3	5431.9	10271.9	11424.9	11663.4
40°	621.4	656.7	720.0	795.1	1191.2	2222.0	5439.3	10837.4	12125.8	12364.3
42.5°	594.9	634.6	686.2	781.9	1092.6	2088.0	5439.3	11329.2	12735.4	12965.1
45°	572.8	615.5	665.6	780.4	1014.5	1986.4	5402.5	11751.8	13221.3	13417.1
47.5°	553.6	600.8	672.9	753.9	995.4	1912.7	5370.1	12090.4	13617.4	13801.5
50°	540.4	596.4	715.6	723.0	1001.3	1890.7	5526.2	12517.5	13966.4	14125.4
52.5°	530.1	597.8	714.1	677.3	991.0	1905.4	5851.6	13184.5	14450.8	14462.6
55°	509.5	596.4	677.3	625.8	948.3	1930.4	6269.8	14153.4	15209.1	15218.0
57.5°	488.9	580.2	628.7	581.6	861.4	1930.4	6773.4	15070.7	16123.5	16130.9
60°	468.2	603.7	552.2	543.3	748.0	1895.1	7304.9	15474.2	16410.7	16485.8
62.5°	447.6	608.1	493.3	509.5	665.6	1809.7	7701.0	15028.0	16021.9	16129.4
65°	424.1	490.3	455.0	474.1	622.9	1666.8	7575.9	14210.8	15291.6	15419.7
67.5°	396.1	415.2	413.8	437.3	608.1	1456.3	6916.2	13177.1	14505.3	14497.9
70°	362.2	372.5	377.0	402.0	580.2	1292.8	5763.2	11835.7	13455.4	13620.3
72.5°	326.9	335.7	340.1	362.2	552.2	1200.1	4473.4	9987.8	11654.6	11912.3
75°	288.6	294.5	300.4	319.5	522.7	1063.1	3186.4	7624.4	8926.1	9331.0
77.5°	248.8	248.8	256.2	275.4	440.3	877.6	2138.0	5348.0	6047.4	6461.2
80°	201.7	203.2	200.3	220.9	323.9	600.8	1214.8	3572.2	4024.3	4103.8
82.5°	154.6	150.2	151.7	162.0	241.5	409.3	647.9	2219.0	2261.7	2217.5
85°	97.2	97.2	94.2	106.0	154.6	213.5	353.4	1359.1	1061.7	1010.1
87.5°	39.8	32.4	36.8	42.7	73.6	86.9	138.4	279.8	107.5	98.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)