

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: P532138

Luminaire Tested: **GLAN-SA7C-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532138  
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-SA7C-727-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 1050mA 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: 30500 lumens  
Efficiency: N/A  
Efficacy: 80.9 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

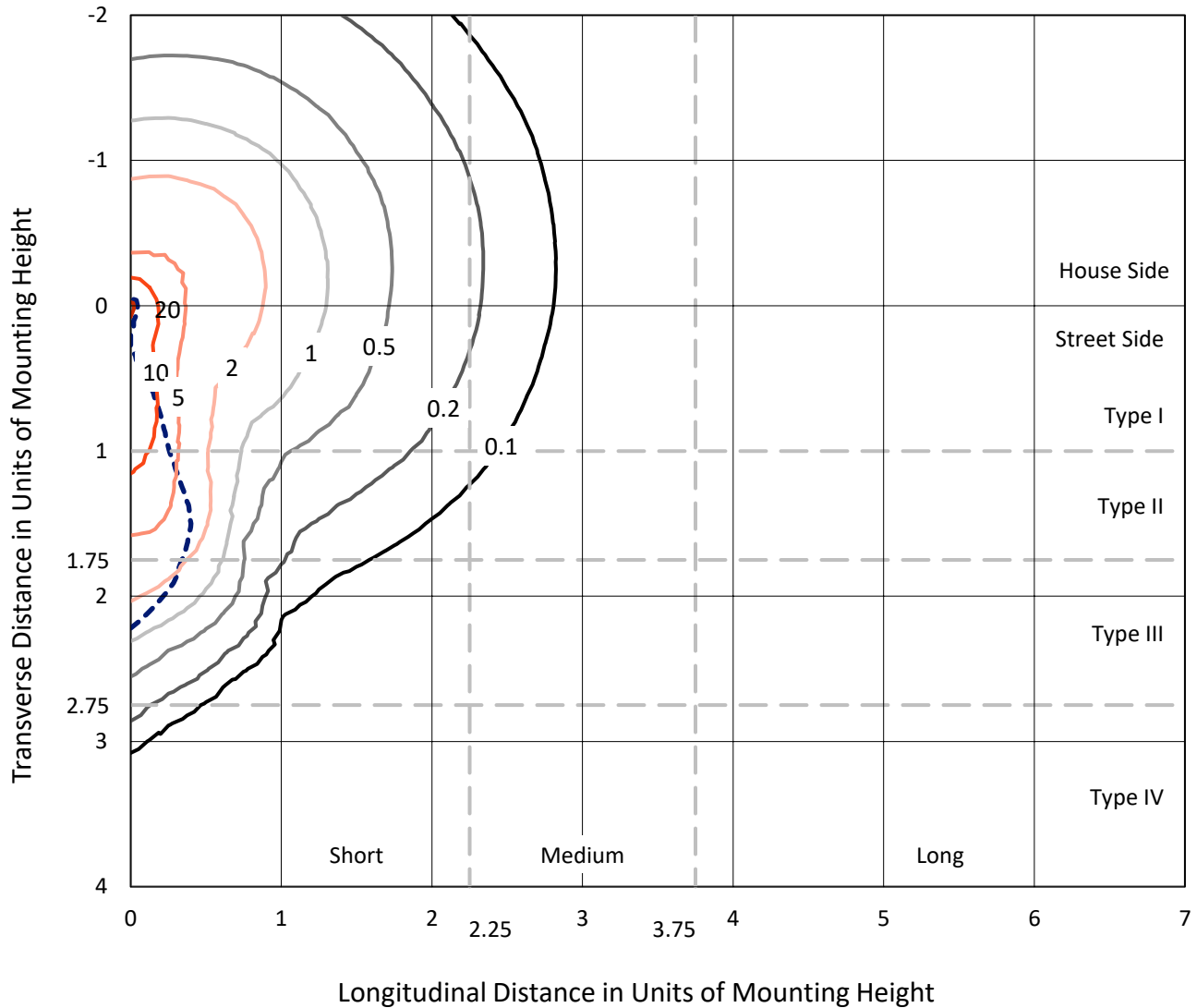
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

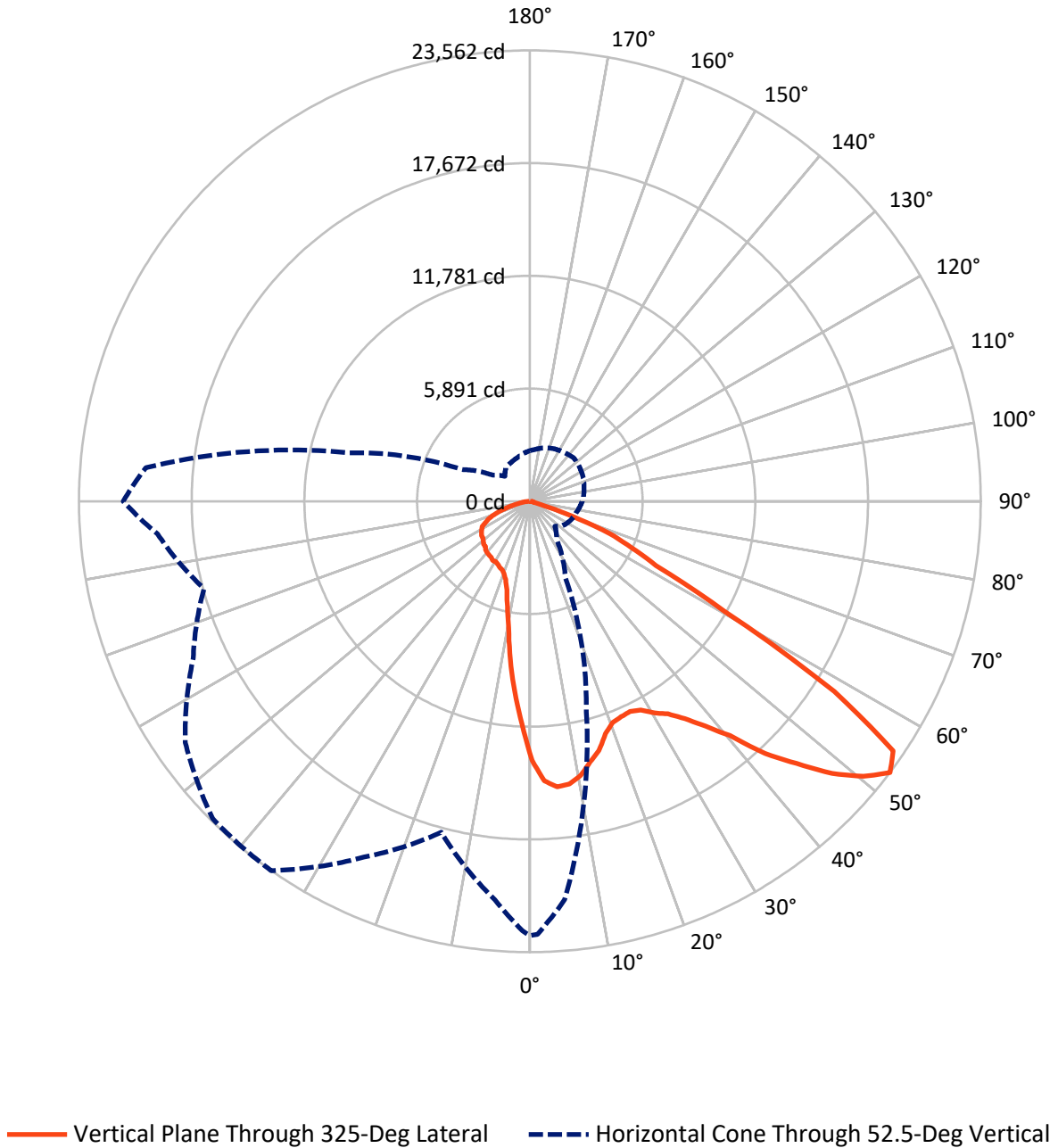
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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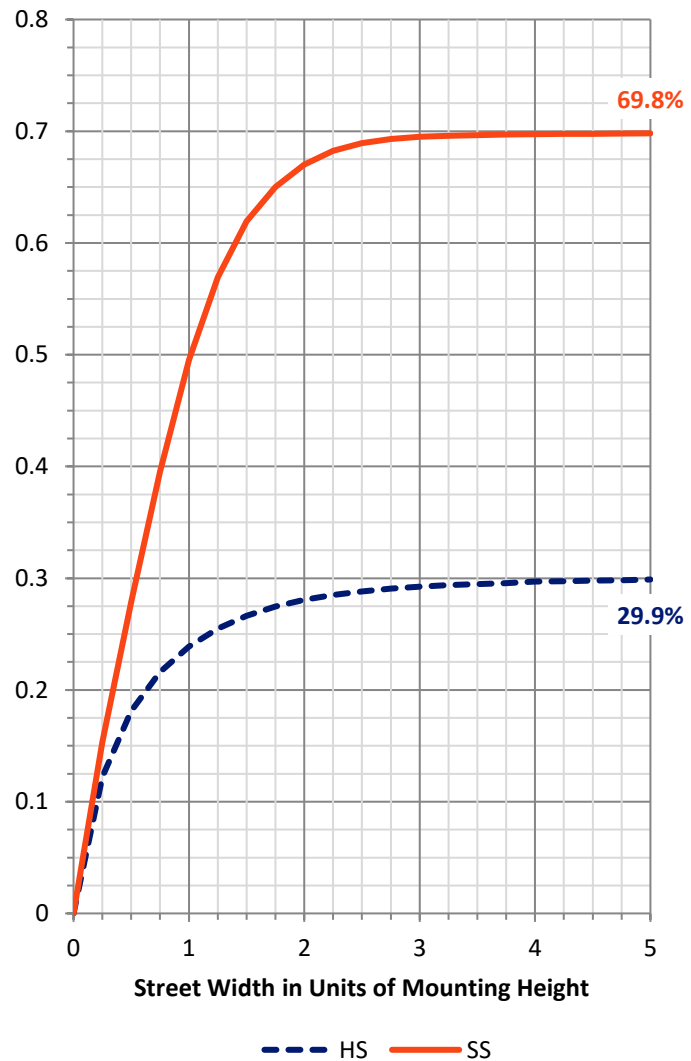
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9194.5	0.0	9194.5
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	21305.5	0.0	21305.5
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	30500.0	0.0	30500.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1032.7	3.4
10°-20°	2238.7	7.3
20°-30°	3382.5	11.1
30°-40°	4887.9	16.0
40°-50°	6504.9	21.3
50°-60°	7275.9	23.9
60°-70°	4100.6	13.4
70°-80°	914.1	3.0
80°-90°	162.8	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°	30500.0	100.0
0°-180°	30500.0	100.0



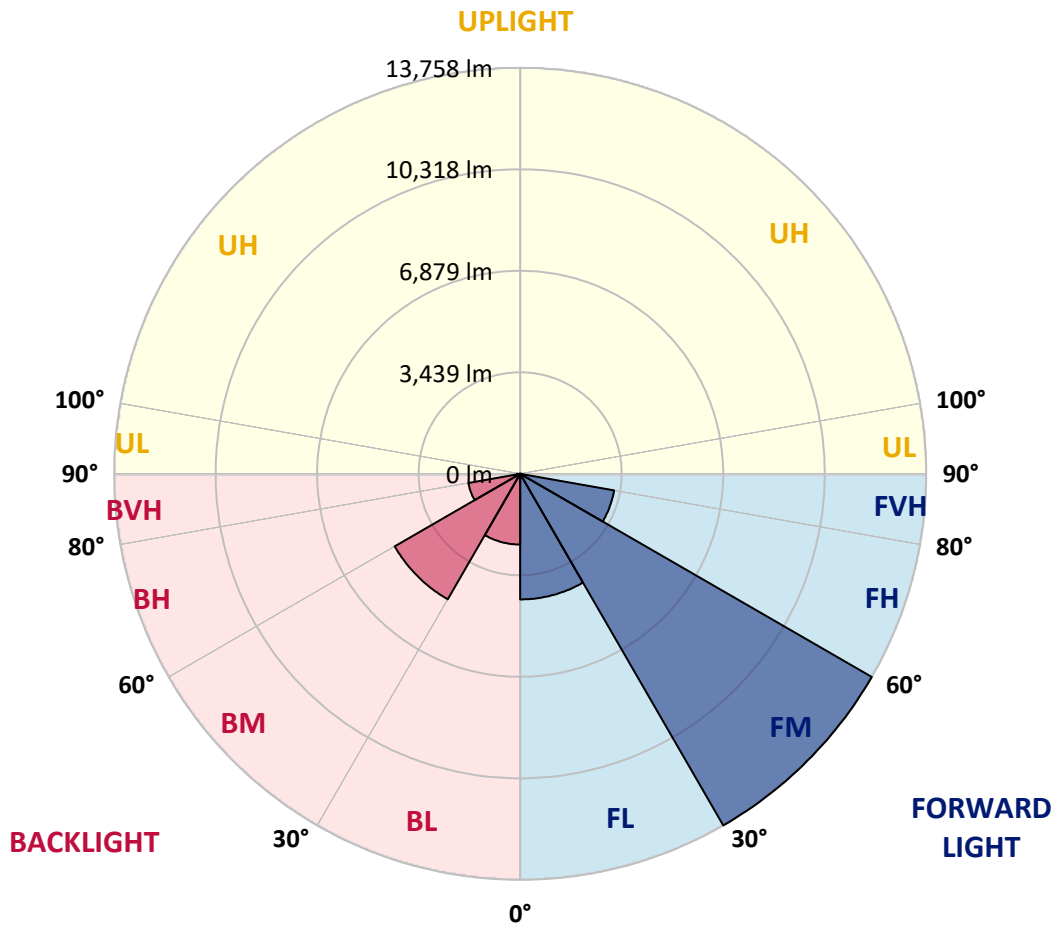
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4256.2	14.0			
FM (30°-60°)	13757.8	45.1			
FH (60°-80°)	3232.5	10.6			G2/5000
FVH (80°-90°)	58.9	0.2			G1/100
BL (0°-30°)	2397.7	7.9	B3/2500		
BM (30°-60°)	4910.8	16.1	B3/5000		
BH (60°-80°)	1782.2	5.8	B3/2500		G3/2500
BVH (80°-90°)	103.8	0.3			G2/225
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1
2.5°	13761.5	13982.6	13743.9	13319.5	13018.9	12744.8	12457.4	12400.0	12024.2	11957.9	11683.8
5°	12979.1	12930.5	12638.7	12081.7	11467.2	10910.2	10499.1	10101.2	9831.6	9517.7	9495.6
7.5°	12028.6	11745.7	11577.7	10733.4	9973.0	9097.7	8722.0	8116.3	7926.3	7643.3	7497.5
10°	11179.9	10972.1	10578.7	9734.3	8673.4	8094.2	7692.0	7364.8	7143.8	6852.0	6485.1
12.5°	10759.9	10675.9	10233.8	8925.3	8138.5	7519.6	7236.6	6918.3	6542.6	6074.0	5892.8
15°	10835.1	10552.1	10216.2	8770.6	7683.1	7086.3	6635.4	6237.6	5755.7	5309.2	5048.4
17.5°	11396.5	11179.9	10507.9	8867.9	7510.7	6648.7	5830.9	5242.9	4809.7	4407.4	4226.2
20°	12501.7	12187.8	11431.8	8991.6	7139.4	6038.6	5101.5	4376.5	3912.3	3700.1	3638.2
22.5°	13726.2	13540.5	12333.7	9270.1	6843.2	5472.8	4327.8	3602.8	3430.4	3373.0	3487.9
25°	15215.9	14734.1	13735.0	9725.5	6613.3	4990.9	3673.6	3271.3	3182.9	3240.4	3373.0
27.5°	16347.6	16219.4	14716.4	10154.3	6299.5	4411.8	3306.7	3041.4	3067.9	3125.4	3249.2
30°	17691.5	17041.7	15666.8	10450.5	6016.5	4014.0	3050.3	2979.5	3006.1	3103.3	3165.2
32.5°	18500.5	18257.4	16263.6	10896.9	5689.4	3669.2	2851.3	2785.0	2824.8	2970.7	3116.6
35°	19530.5	19048.7	17001.9	11011.9	5459.5	3532.1	2709.9	2661.2	2754.1	2855.8	3019.3
37.5°	20732.9	20401.4	18023.1	10932.3	5335.7	3390.7	2590.5	2568.4	2634.7	2776.2	2966.3
40°	21444.7	21343.0	18558.0	10980.9	5141.2	3266.9	2453.5	2480.0	2617.0	2727.6	2913.2
42.5°	22129.9	21466.8	19349.3	10963.3	5017.5	3098.9	2466.7	2435.8	2541.9	2670.1	2846.9
45°	22280.2	21621.5	19534.9	10839.5	4867.2	2935.3	2365.1	2378.3	2506.5	2665.7	2780.6
47.5°	22182.9	21696.6	19879.7	10804.1	4725.7	2820.4	2214.8	2373.9	2449.1	2577.2	2740.8
50°	22116.6	22090.1	20171.5	10972.1	4535.6	2639.1	2033.5	2316.4	2391.6	2519.8	2696.6
52.5°	22700.1	22642.7	20900.9	11414.2	4385.3	2444.6	1847.8	2170.5	2351.8	2475.6	2648.0
55°	23053.8	22801.8	22152.0	11957.9	4133.3	2188.2	1719.6	1989.3	2254.5	2365.1	2541.9
57.5°	20737.4	20565.0	20038.9	11162.2	3708.9	1852.3	1560.5	1803.6	2121.9	2294.3	2475.6
60°	17253.9	16984.2	15635.9	9486.8	2736.4	1441.1	1463.2	1657.8	2086.6	2152.9	2365.1
62.5°	16268.1	15600.5	13766.0	7634.5	2099.8	1237.8	1312.9	1525.1	1900.9	2011.4	2223.6
65°	12908.4	12413.2	9849.2	5512.6	1405.8	1074.2	1198.0	1374.8	1640.1	1856.7	2051.2
67.5°	8081.0	7608.0	5256.2	2608.2	981.4	919.5	1069.8	1255.5	1472.1	1666.6	1883.2
70°	4221.7	3704.5	2426.9	941.6	676.4	751.5	893.0	1069.8	1282.0	1441.1	1609.1
72.5°	1573.8	1277.6	791.3	406.7	468.6	574.7	725.0	853.2	1003.5	1198.0	1290.8
75°	243.1	207.8	203.4	247.6	318.3	415.5	517.2	645.4	778.0	901.8	963.7
77.5°	114.9	110.5	123.8	163.6	212.2	296.2	375.8	499.5	605.6	685.2	720.6
80°	75.2	70.7	79.6	110.5	159.1	221.0	300.6	384.6	481.9	548.2	539.3
82.5°	44.2	48.6	48.6	75.2	110.5	159.1	216.6	291.8	358.1	415.5	380.2
85°	26.5	22.1	22.1	44.2	75.2	128.2	181.2	123.8	128.2	128.2	145.9
87.5°	8.8	8.8	8.8	4.4	8.8	8.8	13.3	22.1	26.5	30.9	39.8
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°	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1
2.5°	11675.0	11812.0	11763.4	11591.0	11723.6	11745.7	11657.3	11962.3	12019.8	11927.0	11953.5
5°	9464.7	9500.0	9579.6	9747.6	9866.9	10008.4	10008.4	10017.2	9897.9	10198.5	10110.1
7.5°	7373.7	7395.8	7488.6	7846.7	7948.4	8218.0	8333.0	8253.4	8014.7	7913.0	7997.0
10°	6365.8	6237.6	6206.6	6250.8	6480.7	6595.6	6692.9	6666.4	6626.6	6547.0	6458.6
12.5°	5693.8	5601.0	5525.8	5419.7	5433.0	5543.5	5618.7	5556.8	5574.5	5592.1	5618.7
15°	4964.4	4898.1	4858.3	4699.2	4681.5	4756.6	4783.2	4818.5	4884.8	4889.3	4858.3
17.5°	4190.8	4133.3	4221.7	4310.2	4248.3	4252.7	4301.3	4332.3	4314.6	4235.0	4195.2
20°	3660.3	3722.2	3810.6	3894.6	3960.9	4000.7	4018.4	3969.8	3912.3	3748.7	3744.3
22.5°	3505.6	3585.2	3660.3	3788.5	3850.4	3952.1	3859.2	3748.7	3669.2	3589.6	3496.7
25°	3390.7	3457.0	3607.3	3655.9	3775.3	3859.2	3792.9	3682.4	3545.4	3430.4	3359.7
27.5°	3306.7	3381.8	3479.1	3611.7	3704.5	3753.1	3686.8	3642.6	3501.2	3364.1	3262.5
30°	3253.6	3333.2	3510.0	3620.5	3700.1	3739.9	3624.9	3571.9	3470.2	3355.3	3266.9
32.5°	3218.2	3289.0	3439.3	3580.7	3633.8	3633.8	3651.5	3589.6	3448.1	3253.6	3178.5
35°	3103.3	3200.6	3324.3	3487.9	3585.2	3642.6	3554.2	3483.5	3390.7	3191.7	3054.7
37.5°	3037.0	3103.3	3262.5	3417.2	3501.2	3563.1	3527.7	3403.9	3280.1	3116.6	3006.1
40°	2966.3	3072.4	3213.8	3359.7	3452.5	3514.4	3487.9	3342.0	3191.7	3037.0	2961.8
42.5°	2917.6	2988.4	3134.3	3297.8	3408.3	3527.7	3448.1	3266.9	3160.8	2948.6	2864.6
45°	2877.9	2992.8	3147.5	3213.8	3328.8	3452.5	3311.1	3200.6	3076.8	2922.1	2851.3
47.5°	2829.2	2935.3	3037.0	3213.8	3266.9	3324.3	3297.8	3121.0	3014.9	2846.9	2798.3
50°	2811.5	2851.3	3037.0	3134.3	3209.4	3266.9	3196.1	3063.5	2961.8	2789.4	2683.3
52.5°	2740.8	2816.0	2935.3	3063.5	3156.4	3227.1	3112.2	3028.2	2891.1	2709.9	2643.6
55°	2652.4	2696.6	2908.8	3041.4	3090.0	3138.7	3094.5	2957.4	2816.0	2630.3	2564.0
57.5°	2537.5	2639.1	2811.5	2997.2	3059.1	3085.6	3014.9	2904.4	2727.6	2564.0	2457.9
60°	2418.1	2524.2	2714.3	2864.6	2926.5	3023.7	2917.6	2851.3	2648.0	2466.7	2351.8
62.5°	2298.7	2418.1	2559.6	2749.7	2802.7	2842.5	2816.0	2723.1	2559.6	2356.2	2214.8
65°	2157.3	2245.7	2422.5	2519.8	2555.1	2648.0	2555.1	2519.8	2373.9	2179.4	2060.0
67.5°	1945.1	2020.2	2175.0	2267.8	2294.3	2334.1	2329.7	2289.9	2126.3	1993.7	1887.6
70°	1702.0	1768.3	1865.5	1976.0	1989.3	2037.9	1993.7	1984.9	1878.8	1697.5	1640.1
72.5°	1366.0	1427.9	1556.1	1604.7	1609.1	1626.8	1604.7	1573.8	1547.2	1357.1	1299.7
75°	1047.7	1083.1	1145.0	1189.2	1189.2	1211.3	1198.0	1167.1	1096.3	977.0	919.5
77.5°	729.4	764.8	844.3	870.9	866.5	875.3	835.5	804.6	698.5	636.6	587.9
80°	530.5	552.6	592.4	610.1	614.5	627.7	579.1	552.6	490.7	420.0	397.9
82.5°	384.6	397.9	402.3	424.4	424.4	402.3	389.0	362.5	318.3	274.1	256.4
85°	159.1	163.6	168.0	194.5	198.9	238.7	221.0	207.8	181.2	154.7	141.5
87.5°	39.8	44.2	57.5	48.6	57.5	57.5	61.9	70.7	70.7	57.5	57.5
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1
2.5°	12055.2	12090.5	12541.4	12598.9	12819.9	13045.4	13500.7	13827.9	14093.1	14265.5	14314.1
5°	10202.9	10428.4	10636.1	10972.1	11277.1	11710.4	12209.9	12828.8	13606.8	14004.7	14163.8
7.5°	7988.1	8253.4	8554.0	8881.1	9327.6	10105.6	10773.2	11489.3	12484.0	12895.1	13518.4
10°	6520.5	6816.7	7214.5	7466.5	8005.8	8748.5	9526.5	10353.2	11303.6	11896.0	12616.6
12.5°	5764.6	6007.7	6374.6	6905.1	7307.4	7789.2	8368.3	9411.6	10773.2	11334.6	11829.7
15°	4929.0	5198.7	5623.1	6211.0	6692.9	7267.6	7917.4	9053.5	10503.5	11370.0	11789.9
17.5°	4239.4	4433.9	4880.4	5388.8	5941.4	6569.1	7501.9	9035.8	10786.4	11896.0	12581.2
20°	3762.0	3788.5	4031.6	4464.9	5216.4	6034.2	7245.5	8947.4	11692.7	12802.3	13668.7
22.5°	3461.4	3434.9	3439.3	3806.2	4332.3	5508.2	6843.2	9248.0	12722.7	14243.4	14826.9
25°	3311.1	3240.4	3196.1	3275.7	3753.1	4884.8	6538.2	9645.9	13832.3	15432.6	16148.7
27.5°	3231.5	3107.7	3019.3	3032.6	3381.8	4571.0	6348.1	9818.3	14933.0	17090.3	17342.3
30°	3200.6	3045.8	2917.6	2873.4	3103.3	4133.3	5941.4	10114.5	15918.8	18001.0	18217.6
32.5°	3090.0	2900.0	2776.2	2736.4	2829.2	3748.7	5649.6	10326.7	16789.7	18991.2	18916.0
35°	2961.8	2802.7	2648.0	2572.8	2639.1	3501.2	5415.3	10225.0	17815.3	19760.4	19720.6
37.5°	2948.6	2740.8	2612.6	2488.8	2484.4	3196.1	5097.0	10322.3	18469.6	21139.6	20595.9
40°	2833.6	2701.0	2533.0	2431.4	2373.9	3041.4	4787.6	10092.4	19428.8	21696.6	21161.7
42.5°	2838.1	2639.1	2493.3	2373.9	2316.4	2816.0	4575.4	10030.5	19764.8	22602.9	21427.0
45°	2767.3	2572.8	2449.1	2307.6	2276.6	2643.6	4372.0	9743.2	20357.2	22647.1	21095.4
47.5°	2696.6	2524.2	2391.6	2223.6	2152.9	2581.7	4212.9	9504.4	20047.7	22231.5	20635.7
50°	2648.0	2449.1	2325.3	2205.9	2007.0	2475.6	4005.1	9447.0	19614.5	21670.1	19782.5
52.5°	2564.0	2387.2	2259.0	2166.1	1847.8	2378.3	3925.6	9782.9	20145.0	21250.2	19534.9
55°	2484.4	2303.2	2139.6	1958.4	1715.2	2121.9	3704.5	10096.8	20918.6	22218.3	20657.8
57.5°	2400.4	2228.0	2051.2	1834.6	1587.0	1856.7	3474.6	10154.3	19468.6	20534.0	19610.1
60°	2289.9	2068.9	1936.3	1653.3	1450.0	1538.4	2754.1	8951.9	15101.0	17147.8	17178.7
62.5°	2166.1	1927.4	1812.5	1480.9	1308.5	1326.2	2245.7	7524.0	12249.7	14194.8	15039.1
65°	2002.6	1772.7	1635.6	1370.4	1206.8	1149.4	1644.5	5512.6	9305.5	11515.8	12475.1
67.5°	1790.4	1573.8	1401.4	1193.6	1078.6	985.8	1122.8	3103.3	5494.9	7731.7	8023.5
70°	1564.9	1379.2	1198.0	1025.6	897.4	831.1	822.2	1374.8	2625.9	4159.8	4734.5
72.5°	1233.4	1100.7	954.9	826.7	742.7	645.4	587.9	570.3	888.6	1693.1	2338.5
75°	884.1	773.6	689.6	605.6	543.7	490.7	446.5	406.7	371.3	424.4	583.5
77.5°	557.0	517.2	450.9	428.8	393.4	380.2	362.5	340.4	313.9	296.2	296.2
80°	375.8	349.2	327.1	322.7	309.4	305.0	309.4	287.3	260.8	238.7	247.6
82.5°	252.0	247.6	243.1	238.7	243.1	247.6	256.4	252.0	229.9	216.6	221.0
85°	150.3	159.1	168.0	176.8	194.5	172.4	141.5	119.4	106.1	97.3	92.8
87.5°	57.5	79.6	70.7	66.3	70.7	66.3	61.9	57.5	48.6	44.2	44.2
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: P532138

CATALOG NUMBER: GLAN-SA7C-727-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1	13536.1
2.5°	14636.8	14725.2	14800.4	14782.7	14628.0	14420.2	14336.2	13907.4	13819.0	13761.5
5°	14835.8	15348.6	15459.1	15392.8	14990.5	14482.1	13987.0	13359.3	12992.3	12979.1
7.5°	14468.8	15101.0	15299.9	15450.2	14915.3	14031.2	13182.4	12240.8	12011.0	12028.6
10°	13536.1	14544.0	15034.7	15189.4	14574.9	13810.2	12634.3	11679.4	11188.7	11179.9
12.5°	13018.9	13810.2	13947.2	14163.8	13982.6	13209.0	12316.0	11246.2	10768.7	10759.9
15°	12559.1	13080.8	13120.5	13425.6	13522.8	13001.2	12400.0	11259.4	10874.8	10835.1
17.5°	12961.4	12598.9	12448.6	12488.4	12775.7	12965.8	12886.2	12011.0	11617.5	11396.5
20°	13231.1	12422.1	11966.8	12011.0	12351.3	13045.4	13611.2	13098.4	12475.1	12501.7
22.5°	13951.6	12448.6	11736.9	11688.2	12227.6	13460.9	14429.1	14473.3	13872.1	13726.2
25°	15030.3	12753.6	11666.1	11652.9	12170.1	13907.4	15383.9	16100.1	15485.6	15215.9
27.5°	15896.7	13231.1	11887.2	11931.4	12351.3	14269.9	16197.3	17147.8	16679.2	16347.6
30°	16657.1	13726.2	12196.6	11993.3	12837.6	14460.0	16546.6	18341.4	17965.6	17691.5
32.5°	16970.9	14429.1	12687.3	12351.3	13239.9	14689.9	17271.6	19499.6	19176.9	18500.5
35°	17501.4	14822.5	12952.6	12926.0	13942.8	15242.5	17611.9	20264.3	20131.7	19530.5
37.5°	17925.8	15220.4	13894.2	13602.4	14906.5	16170.8	18160.1	21320.9	21015.9	20732.9
40°	18252.9	15932.1	14773.9	15158.5	16091.2	17015.2	18664.1	21387.2	22266.9	21444.7
42.5°	17952.3	16568.7	16219.4	17138.9	18023.1	17978.9	18721.5	21900.0	22558.7	22129.9
45°	17877.2	17647.3	18504.9	19340.4	19543.8	18779.0	18310.4	21334.1	22470.3	22280.2
47.5°	17695.9	18708.3	20202.5	21564.0	21254.6	19313.9	17819.7	21232.5	22523.3	22182.9
50°	17634.0	18938.1	21457.9	22784.1	22598.5	19778.1	17589.8	20578.2	22147.6	22116.6
52.5°	17629.6	19411.2	21979.6	23447.2	23562.2	20511.9	17903.7	20909.8	22439.3	22700.1
55°	17828.6	19260.9	21913.3	23080.3	23036.1	20184.8	17939.1	21130.8	22797.4	23053.8
57.5°	16816.2	17253.9	18085.0	19008.9	18770.2	16719.0	16020.5	19534.9	20923.0	20737.4
60°	14521.9	13151.5	12214.3	12170.1	11705.9	11064.9	13111.7	17435.1	17435.1	17253.9
62.5°	12718.3	8633.6	7417.9	7073.1	7404.6	8142.9	12647.5	16957.7	16475.8	16268.1
65°	11122.4	6591.2	5362.3	5265.0	5839.7	6953.7	11436.3	14446.7	13598.0	12908.4
67.5°	7157.1	4827.4	3987.4	3815.0	4509.1	5105.9	7612.4	8885.5	8350.6	8081.0
70°	4615.2	3143.1	2219.2	2082.1	2351.8	3147.5	4862.7	5181.0	4403.0	4221.7
72.5°	2183.8	1357.1	778.0	641.0	720.6	1202.4	1923.0	2068.9	1719.6	1573.8
75°	694.0	499.5	318.3	274.1	260.8	309.4	442.1	340.4	247.6	243.1
77.5°	309.4	296.2	252.0	212.2	185.7	154.7	128.2	106.1	110.5	114.9
80°	256.4	234.3	207.8	185.7	154.7	119.4	92.8	70.7	70.7	75.2
82.5°	225.5	203.4	181.2	154.7	132.6	97.3	70.7	48.6	44.2	44.2
85°	97.3	114.9	123.8	132.6	106.1	79.6	48.6	30.9	26.5	26.5
87.5°	39.8	35.4	30.9	26.5	22.1	22.1	17.7	13.3	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)