

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: P527924

Luminaire Tested: **GLAN-SA3A-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527924  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3A-727-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8503 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

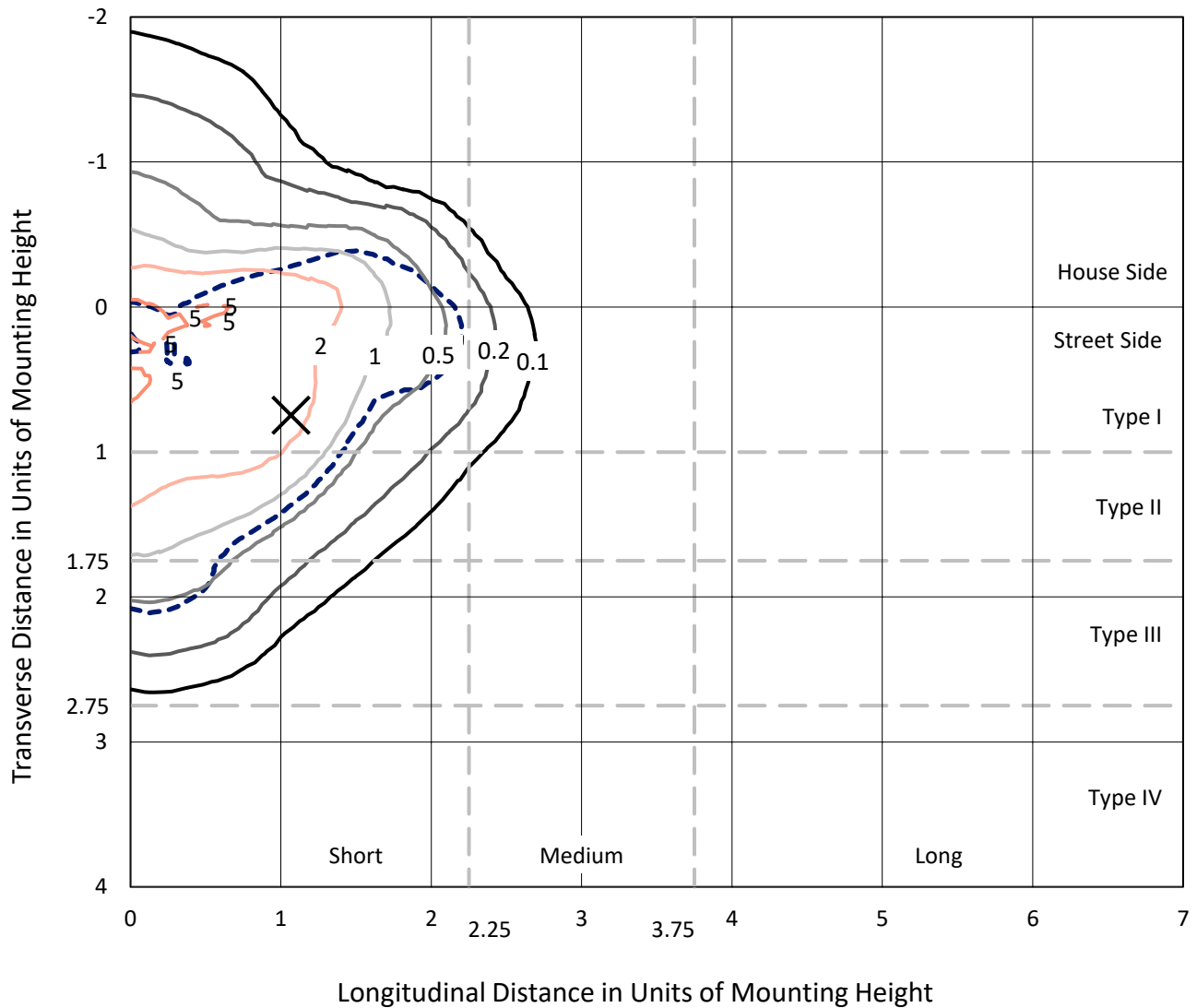
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

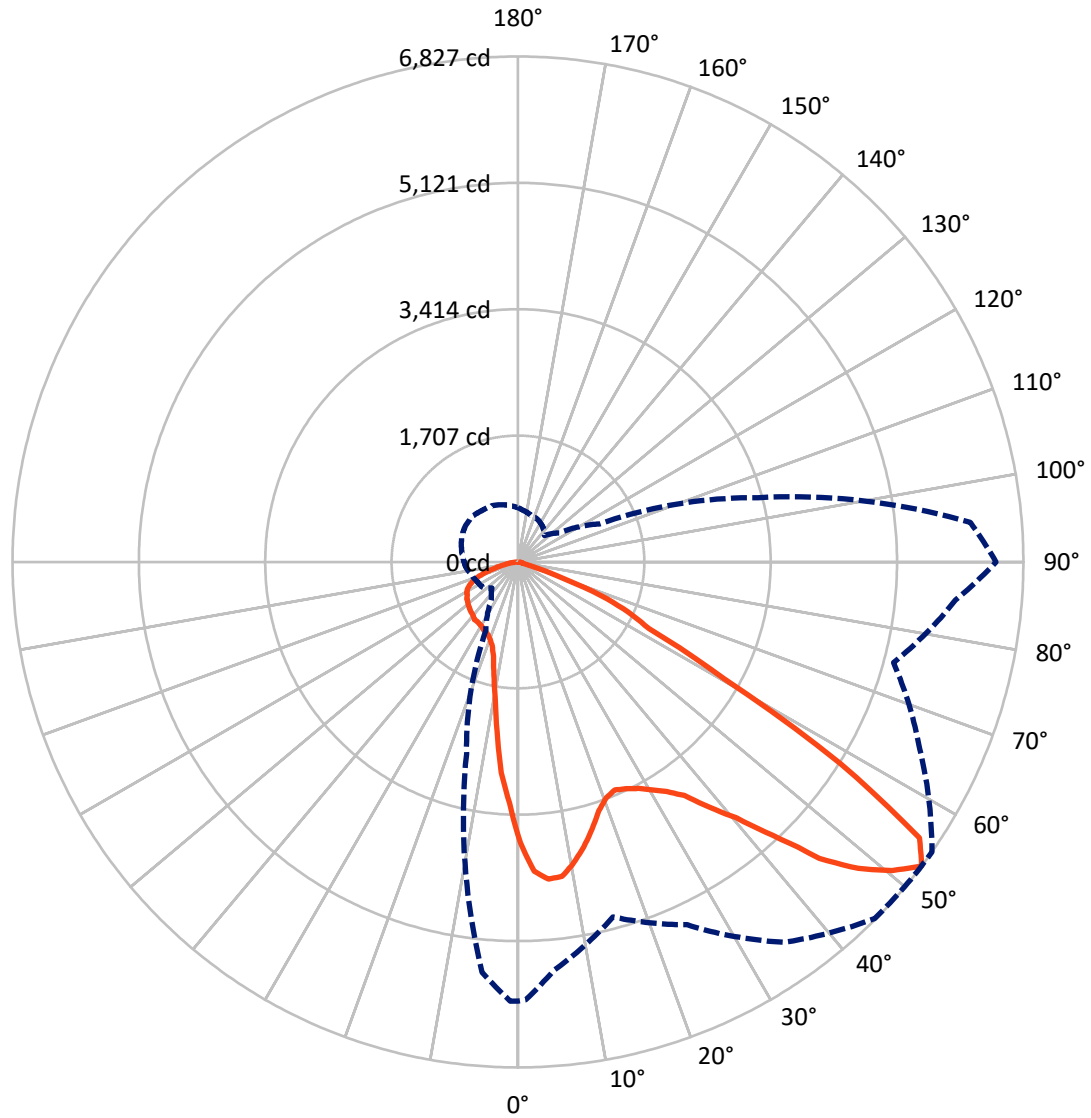
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2593.9	0.0	2593.9
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	5909.1	0.0	5909.1
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	8503.0	0.0	8503.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.8	3.4
10°-20°	624.8	7.3
20°-30°	947.4	11.1
30°-40°	1368.8	16.1
40°-50°	1829.1	21.5
50°-60°	2041.7	24.0
60°-70°	1120.0	13.2
70°-80°	242.1	2.8
80°-90°	39.2	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°	8503.0	100.0
0°-180°	8503.0	100.0

**Coefficient of Utilization**



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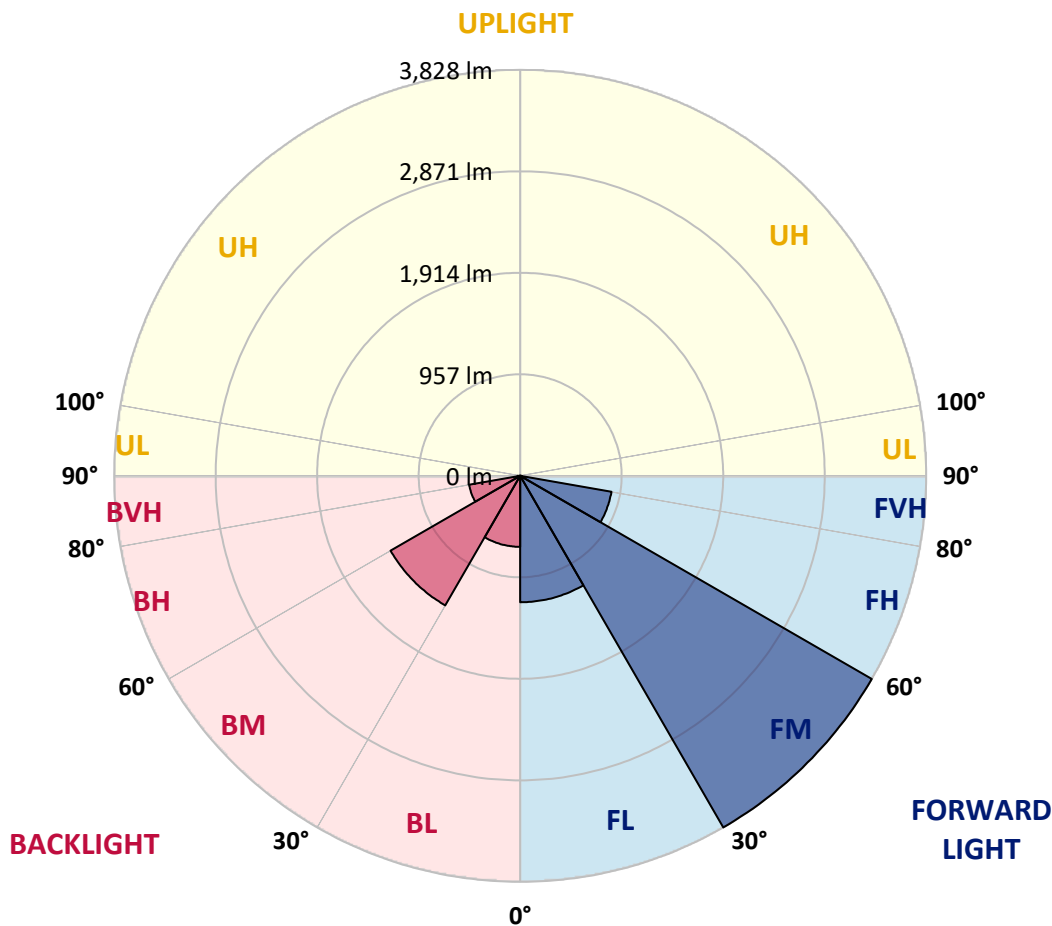
CATALOG NUMBER: GLAN-SA3A-727-U-SLL-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1192.3	14.0			
FM (30°-60°)	3828.4	45.0			
FH (60°-80°)	873.9	10.3			G1/1800
FVH (80°-90°)	14.5	0.2			G1/100
BL (0°-30°)	669.7	7.9	B2/1000		
BM (30°-60°)	1411.3	16.6	B2/2500		
BH (60°-80°)	488.2	5.7	B1/500		G1/500
BVH (80°-90°)	24.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0
2.5°	3980.5	3958.1	3978.0	4072.3	4127.0	4164.2	4187.8	4184.1	4094.7	4007.8	4007.8
5°	3863.8	3835.2	3876.2	4089.7	4304.5	4323.1	4354.2	4303.3	4171.7	4012.8	3814.1
7.5°	3526.1	3547.2	3615.5	3896.0	4175.4	4315.7	4352.9	4288.4	4074.8	3778.1	3486.3
10°	3234.3	3284.0	3441.6	3744.6	4001.6	4184.1	4225.1	4134.4	3965.6	3601.8	3341.1
12.5°	3133.7	3102.7	3277.7	3580.7	3826.5	3924.6	3943.2	3949.4	3835.2	3512.4	3194.6
15°	3121.3	3141.2	3277.7	3507.4	3658.9	3663.9	3694.9	3743.3	3758.2	3573.2	3262.8
17.5°	3300.1	3276.5	3416.8	3599.3	3527.3	3455.3	3462.7	3532.3	3655.2	3625.4	3477.6
20°	3564.5	3617.9	3728.4	3709.8	3516.1	3333.6	3334.9	3400.7	3642.8	3841.4	3776.9
22.5°	4004.1	4056.2	4138.2	3913.4	3516.1	3297.6	3255.4	3344.8	3722.2	4098.4	4114.6
25°	4405.1	4500.7	4523.0	4258.6	3692.4	3331.1	3303.8	3392.0	3801.7	4349.2	4501.9
27.5°	4770.1	4804.9	4903.0	4480.8	3790.5	3353.5	3351.0	3464.0	3902.3	4474.6	4848.3
30°	5058.2	5054.4	5110.3	4621.1	3947.0	3478.9	3358.4	3572.0	4033.9	4682.0	5168.7
32.5°	5254.3	5296.5	5414.5	4816.0	4012.8	3598.1	3503.7	3698.6	4194.0	4780.0	5394.6
35°	5599.5	5672.7	5523.7	4924.1	4221.3	3716.0	3605.5	3871.2	4273.5	4886.8	5671.5
37.5°	5924.8	5868.9	5717.4	4982.4	4356.7	3934.5	3831.5	4205.2	4520.6	5119.0	5855.2
40°	6133.4	6132.1	5862.7	5029.6	4452.3	4268.5	4262.3	4544.1	4823.5	5265.5	6061.3
42.5°	6224.0	6310.9	5922.3	5024.6	4653.4	4673.3	4798.7	5050.7	5038.3	5295.3	6056.4
44°	6348.1	6400.3	6025.3	5035.8	4787.5	4946.4	5241.9	5402.1	5225.8	5279.2	6050.2
45°	6343.2	6346.9	5878.8	5050.7	4901.7	5174.9	5439.3	5710.0	5390.9	5244.4	6132.1
47.5°	6197.9	6155.7	5754.7	4940.2	5258.0	5778.3	6022.9	6186.7	5594.5	5169.9	6030.3
50°	5911.1	5862.7	5453.0	4893.0	5332.5	6153.2	6490.9	6550.5	5779.5	5096.6	5929.7
52.5°	5931.0	5917.3	5538.6	4963.8	5407.0	6271.2	6812.5	6827.4	5989.3	5250.6	5931.0
55°	6286.1	6238.9	5784.5	5051.9	5352.4	6133.4	6607.6	6581.6	5918.6	5157.5	6040.2
57.5°	5752.2	5783.2	5444.3	4703.1	4684.4	4986.1	5194.7	5130.2	4939.0	4654.6	5619.3
60°	4641.0	4729.1	4761.4	3933.3	3534.7	3379.6	3317.5	3203.3	3235.5	3824.0	4936.5
62.5°	3980.5	3975.5	4177.9	3565.8	2315.5	1991.5	1961.7	1987.8	2360.2	3764.4	4834.7
65°	3156.1	3240.5	3302.6	3022.0	1832.6	1478.7	1477.5	1642.6	2042.4	3146.1	3903.5
67.5°	2003.9	2114.4	2191.4	1933.1	1225.4	1052.9	1024.3	1222.9	1415.4	2063.5	2350.3
70°	1129.8	1182.0	1216.7	1114.9	779.7	546.3	514.0	561.2	855.4	1335.9	1393.0
72.5°	435.8	459.4	506.6	510.3	294.3	176.3	142.8	171.3	360.1	528.9	504.1
75°	67.0	72.0	101.8	121.7	84.4	64.6	68.3	70.8	100.6	136.6	114.2
77.5°	32.3	32.3	31.0	36.0	42.2	45.9	49.7	54.6	59.6	65.8	63.3
80°	21.1	21.1	21.1	24.8	31.0	37.2	42.2	44.7	47.2	52.1	49.7
82.5°	13.7	13.7	13.7	18.6	24.8	31.0	33.5	39.7	44.7	52.1	48.4
85°	7.4	7.4	7.4	12.4	18.6	26.1	24.8	19.9	11.2	1.2	2.5
87.5°	2.5	2.5	2.5	2.5	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0
2.5°	3903.5	3846.4	3841.4	3724.7	3620.4	3569.5	3528.5	3414.3	3439.1	3373.3	3372.1
5°	3714.8	3598.1	3409.4	3254.2	3099.0	3067.9	2932.6	2814.6	2818.4	2733.9	2748.8
7.5°	3375.8	3295.1	3065.4	2822.1	2616.0	2469.5	2341.6	2264.6	2166.5	2133.0	2115.6
10°	3161.0	3061.7	2803.5	2498.0	2267.1	2188.9	2066.0	1997.7	1897.1	1847.5	1812.7
12.5°	3066.7	2921.4	2598.6	2288.2	2134.3	2053.6	1949.3	1825.1	1705.9	1660.0	1596.7
15°	3076.6	2902.8	2539.0	2203.8	2018.8	1862.4	1769.2	1631.4	1509.7	1429.0	1383.1
17.5°	3226.8	3015.8	2566.3	2139.2	1873.5	1677.4	1494.9	1345.9	1249.0	1188.2	1173.3
20°	3581.9	3295.1	2612.3	2034.9	1728.3	1483.7	1259.0	1103.8	1029.3	1028.0	1029.3
22.5°	3877.4	3593.1	2705.4	1972.9	1583.0	1235.4	1011.9	962.2	947.3	978.4	982.1
25°	4276.0	3928.3	2865.5	1940.6	1448.9	1052.9	915.0	896.4	895.2	934.9	936.1
27.5°	4684.4	4221.3	2961.1	1846.2	1312.3	958.5	856.7	853.0	872.8	915.0	911.3
30°	4962.6	4467.2	3133.7	1733.2	1150.9	875.3	833.1	838.1	865.4	897.7	902.6
32.5°	5286.6	4709.3	3178.4	1671.2	1051.6	805.8	776.0	787.2	821.9	872.8	900.1
35°	5657.8	4880.6	3246.7	1586.7	1014.4	752.4	737.5	749.9	792.1	825.6	855.4
37.5°	5932.2	5183.6	3259.1	1520.9	973.4	722.6	699.0	740.0	764.8	812.0	826.9
40°	6135.8	5403.3	3291.4	1480.0	941.1	684.1	684.1	711.4	744.9	788.4	818.2
42.5°	6266.2	5563.5	3315.0	1442.7	879.0	672.9	666.7	694.0	738.7	780.9	794.6
44°	6345.7	5631.8	3291.4	1407.9	861.6	659.3	659.3	682.9	717.6	767.3	783.4
45°	6365.5	5717.4	3239.3	1406.7	840.5	643.1	640.7	685.3	708.9	769.8	779.7
47.5°	6442.5	5823.0	3245.5	1367.0	789.6	604.6	648.1	668.0	689.1	742.5	776.0
50°	6440.0	5888.8	3231.8	1308.6	752.4	561.2	633.2	655.5	676.7	731.3	744.9
52.5°	6457.4	6134.6	3357.2	1215.5	685.3	505.3	583.5	633.2	659.3	705.2	733.8
55°	6448.7	6274.9	3481.4	1146.0	591.0	471.8	541.3	599.7	636.9	685.3	699.0
57.5°	5890.0	5546.1	3221.9	1015.6	489.2	432.1	481.7	564.9	612.1	661.8	679.1
60°	4812.3	4274.7	2657.0	747.4	402.3	397.3	448.2	553.7	573.6	617.1	646.9
62.5°	4447.3	3749.5	2106.9	571.1	343.9	363.8	413.4	500.4	531.4	584.8	612.1
65°	3480.1	2490.6	1304.9	386.1	302.9	326.5	373.7	438.3	489.2	538.8	571.1
67.5°	2061.0	1360.8	645.6	270.7	264.5	289.3	337.7	386.1	444.5	499.1	515.3
70°	1122.4	669.2	275.6	206.1	224.7	247.1	294.3	327.8	383.6	425.9	453.2
72.5°	360.1	203.6	137.8	152.7	171.3	197.4	226.0	266.9	306.7	331.5	353.8
75°	86.9	85.7	98.1	106.8	124.2	144.0	167.6	188.7	219.8	243.3	263.2
77.5°	60.8	65.8	75.7	88.2	94.4	101.8	116.7	132.8	146.5	163.9	176.3
80°	47.2	50.9	58.4	64.6	70.8	77.0	84.4	90.6	99.3	110.5	116.7
82.5°	44.7	47.2	54.6	58.4	55.9	54.6	59.6	62.1	63.3	67.0	70.8
85°	3.7	0.0	2.5	8.7	21.1	31.0	33.5	33.5	32.3	34.8	34.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.0	3.7
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°	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0
2.5°	3357.2	3315.0	3331.1	3351.0	3322.4	3256.6	3274.0	3266.6	3333.6	3328.6	3395.7
5°	2814.6	2748.8	2756.3	2853.1	2822.1	2855.6	2788.6	2779.9	2792.3	2798.5	2809.7
7.5°	2154.1	2145.4	2219.9	2301.9	2340.4	2300.6	2234.8	2219.9	2206.3	2179.0	2241.0
10°	1758.1	1760.5	1755.6	1817.7	1861.1	1852.4	1812.7	1807.7	1781.7	1771.7	1806.5
12.5°	1569.3	1535.8	1519.7	1499.8	1533.3	1555.7	1538.3	1525.9	1527.1	1539.5	1544.5
15°	1386.8	1365.7	1331.0	1308.6	1324.8	1313.6	1307.4	1332.2	1326.0	1323.5	1353.3
17.5°	1182.0	1199.4	1196.9	1172.0	1193.1	1184.5	1183.2	1165.8	1142.2	1124.9	1134.8
20°	1046.6	1078.9	1103.8	1105.0	1116.2	1114.9	1096.3	1042.9	1025.5	1021.8	1024.3
22.5°	998.2	1015.6	1045.4	1087.6	1087.6	1067.8	1045.4	983.3	967.2	949.8	942.4
25°	959.7	993.3	1031.7	1036.7	1056.6	1038.0	1001.9	970.9	937.4	913.8	913.8
27.5°	939.9	977.1	1005.7	1014.4	1041.7	1026.8	989.5	949.8	910.1	908.8	887.7
30°	931.2	965.9	984.6	1005.7	1018.1	994.5	983.3	941.1	901.4	891.4	856.7
32.5°	905.1	954.8	989.5	984.6	994.5	984.6	968.4	933.7	889.0	866.6	862.9
35°	875.3	925.0	962.2	988.3	994.5	973.4	963.5	916.3	855.4	844.3	805.8
37.5°	859.2	889.0	934.9	977.1	985.8	974.6	941.1	892.7	831.9	819.4	785.9
40°	839.3	877.8	913.8	948.6	974.6	947.3	908.8	861.6	834.3	797.1	787.2
42.5°	824.4	867.9	897.7	936.1	965.9	929.9	885.2	853.0	814.5	789.6	761.1
44°	819.4	859.2	879.0	926.2	951.0	923.7	886.5	853.0	808.3	785.9	761.1
45°	802.1	856.7	877.8	920.0	941.1	918.8	871.6	838.1	805.8	778.5	752.4
47.5°	784.7	821.9	857.9	891.4	906.3	898.9	859.2	818.2	779.7	763.6	738.7
50°	779.7	817.0	850.5	881.5	898.9	884.0	848.0	808.3	763.6	737.5	716.4
52.5°	754.9	800.8	838.1	848.0	870.3	861.6	834.3	790.9	748.7	726.3	708.9
55°	718.9	767.3	818.2	830.6	862.9	849.2	808.3	767.3	731.3	697.8	675.4
57.5°	705.2	752.4	802.1	818.2	838.1	815.7	805.8	762.3	705.2	687.8	653.1
60°	670.4	730.0	771.0	808.3	809.5	803.3	785.9	736.3	689.1	656.8	632.0
62.5°	643.1	699.0	731.3	766.0	787.2	769.8	752.4	706.5	655.5	619.5	591.0
65°	603.4	654.3	681.6	702.7	726.3	723.8	694.0	660.5	607.1	578.6	551.3
67.5°	542.6	587.3	624.5	644.4	659.3	655.5	633.2	609.6	555.0	526.4	506.6
70°	469.3	515.3	538.8	550.0	564.9	572.4	555.0	543.8	495.4	458.1	439.5
72.5°	377.4	407.2	442.0	451.9	458.1	463.1	463.1	453.2	403.5	388.6	356.3
75°	278.1	301.7	327.8	327.8	338.9	340.2	342.7	336.5	299.2	279.4	271.9
77.5°	188.7	206.1	227.2	235.9	243.3	242.1	240.9	223.5	203.6	194.9	187.5
80°	122.9	140.3	150.2	161.4	168.9	167.6	170.1	157.7	149.0	134.1	136.6
82.5°	73.3	86.9	96.8	110.5	110.5	114.2	114.2	110.5	101.8	94.4	94.4
85°	34.8	45.9	52.1	60.8	65.8	67.0	59.6	50.9	42.2	38.5	42.2
87.5°	6.2	8.7	12.4	11.2	13.7	12.4	12.4	12.4	12.4	9.9	11.2
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: P527924

CATALOG NUMBER: GLAN-SA3A-727-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0	3793.0
2.5°	3370.9	3432.9	3476.4	3548.4	3672.6	3771.9	3873.7	3949.4	3958.1	3980.5
5°	2850.6	2884.2	2994.7	3138.7	3240.5	3408.1	3516.1	3712.3	3785.5	3863.8
7.5°	2226.1	2280.8	2428.5	2525.4	2748.8	2958.7	3175.9	3418.0	3514.9	3526.1
10°	1877.3	1956.7	2057.3	2212.5	2334.2	2567.6	2838.2	3107.6	3215.7	3234.3
12.5°	1648.8	1750.6	1884.7	1996.4	2113.2	2316.8	2576.3	2909.0	3049.3	3133.7
15°	1429.0	1534.6	1682.3	1837.5	1940.6	2183.9	2489.3	2864.3	3046.8	3121.3
17.5°	1203.1	1301.2	1422.8	1590.5	1797.8	2070.9	2475.7	3013.3	3213.2	3300.1
20°	1009.4	1064.0	1205.6	1378.1	1637.6	1955.5	2480.7	3233.0	3526.1	3564.5
22.5°	933.7	946.1	1001.9	1160.9	1445.2	1837.5	2568.8	3544.7	3877.4	4004.1
25°	875.3	872.8	887.7	994.5	1304.9	1791.6	2655.7	3831.5	4267.3	4405.1
27.5°	843.0	818.2	819.4	920.0	1205.6	1717.1	2767.5	4160.5	4709.3	4770.1
30°	826.9	821.9	807.0	848.0	1097.5	1605.3	2786.1	4484.6	4970.0	5058.2
32.5°	817.0	768.5	749.9	764.8	995.7	1483.7	2855.6	4698.1	5292.8	5254.3
35°	767.3	723.8	711.4	726.3	923.7	1415.4	2809.7	4884.3	5534.9	5599.5
37.5°	748.7	710.2	685.3	672.9	856.7	1358.3	2786.1	5171.1	5769.6	5924.8
40°	731.3	690.3	660.5	648.1	804.5	1282.5	2778.6	5392.1	6040.2	6133.4
42.5°	711.4	685.3	651.8	629.5	741.2	1206.8	2693.0	5460.4	6123.4	6224.0
44°	705.2	665.5	630.7	623.3	716.4	1168.3	2675.6	5522.5	6195.4	6348.1
45°	699.0	661.8	622.0	612.1	707.7	1147.2	2652.0	5537.4	6314.6	6343.2
47.5°	681.6	658.0	619.5	592.2	689.1	1101.3	2581.2	5453.0	6193.0	6197.9
50°	668.0	640.7	600.9	547.5	664.2	1062.8	2613.5	5421.9	5899.9	5911.1
52.5°	653.1	612.1	589.7	497.9	623.3	1030.5	2681.8	5562.2	5933.5	5931.0
55°	635.7	591.0	536.4	455.7	555.0	989.5	2846.9	5839.1	6243.9	6286.1
57.5°	608.4	569.9	491.7	418.4	476.8	911.3	2793.5	5309.0	5744.7	5752.2
60°	572.4	536.4	445.7	389.9	391.1	718.9	2498.0	4136.9	4533.0	4641.0
62.5°	537.6	517.7	407.2	348.9	332.7	572.4	2111.9	3437.9	3891.1	3980.5
65°	496.6	448.2	373.7	317.8	285.6	401.0	1496.1	2568.8	3035.6	3156.1
67.5°	444.5	392.3	329.0	279.4	244.6	268.2	772.3	1460.1	1933.1	2003.9
70°	388.6	340.2	276.9	235.9	197.4	185.0	340.2	696.5	1056.6	1129.8
72.5°	319.1	274.4	221.0	186.2	147.7	127.9	114.2	186.2	375.0	435.8
75°	230.9	199.9	166.4	132.8	104.3	81.9	67.0	55.9	62.1	67.0
77.5°	170.1	145.3	122.9	94.4	73.3	58.4	45.9	34.8	33.5	32.3
80°	132.8	117.9	98.1	75.7	57.1	43.5	32.3	23.6	21.1	21.1
82.5°	104.3	96.8	80.7	62.1	47.2	34.8	23.6	16.1	13.7	13.7
85°	39.7	39.7	58.4	50.9	36.0	24.8	16.1	8.7	7.4	7.4
87.5°	9.9	9.9	9.9	9.9	8.7	7.4	7.4	3.7	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)