

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: P649980

Luminaire Tested: **GLAN-SA6A-835-U-SLR-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649980  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6A-835-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15248.9 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

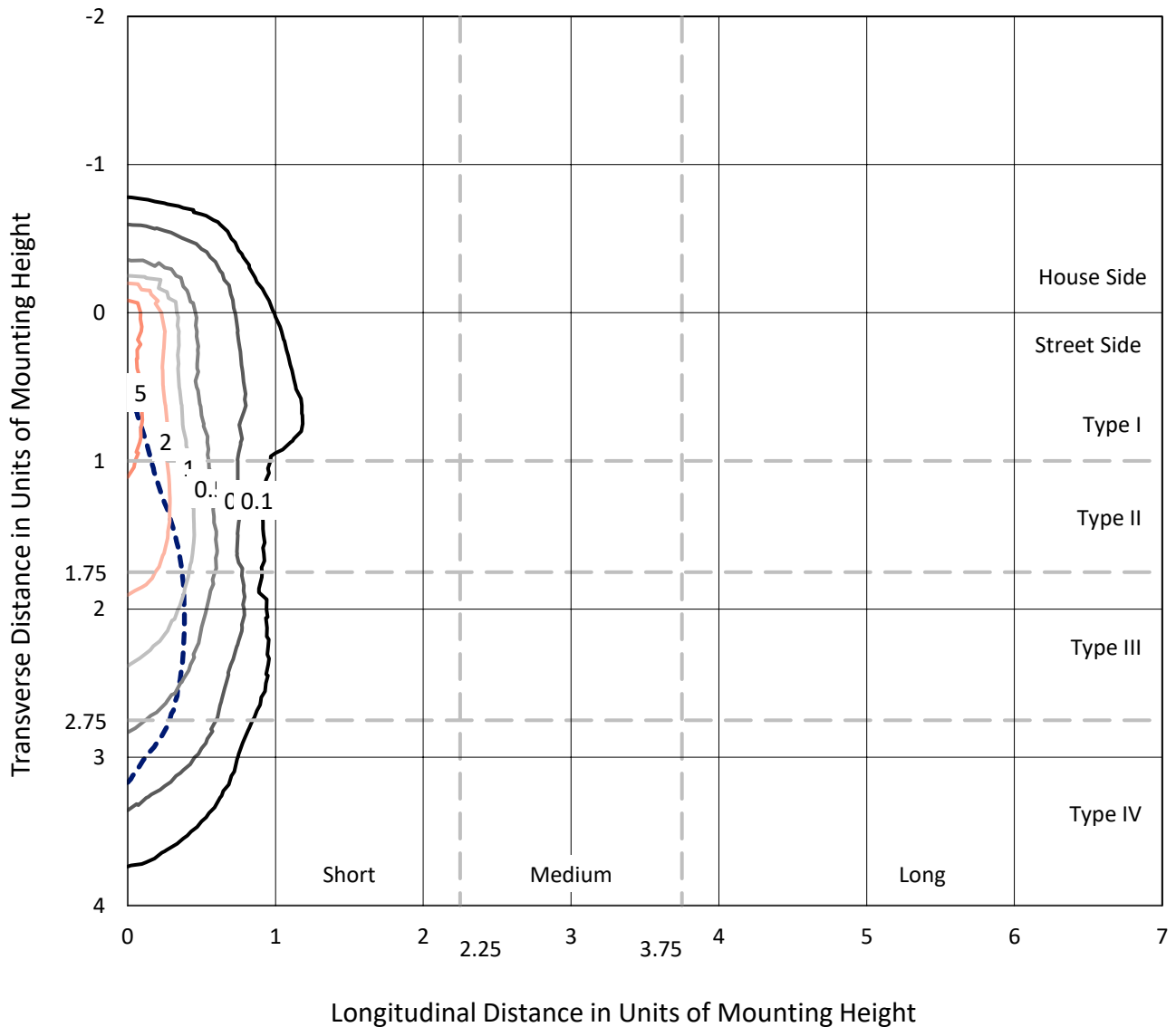
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

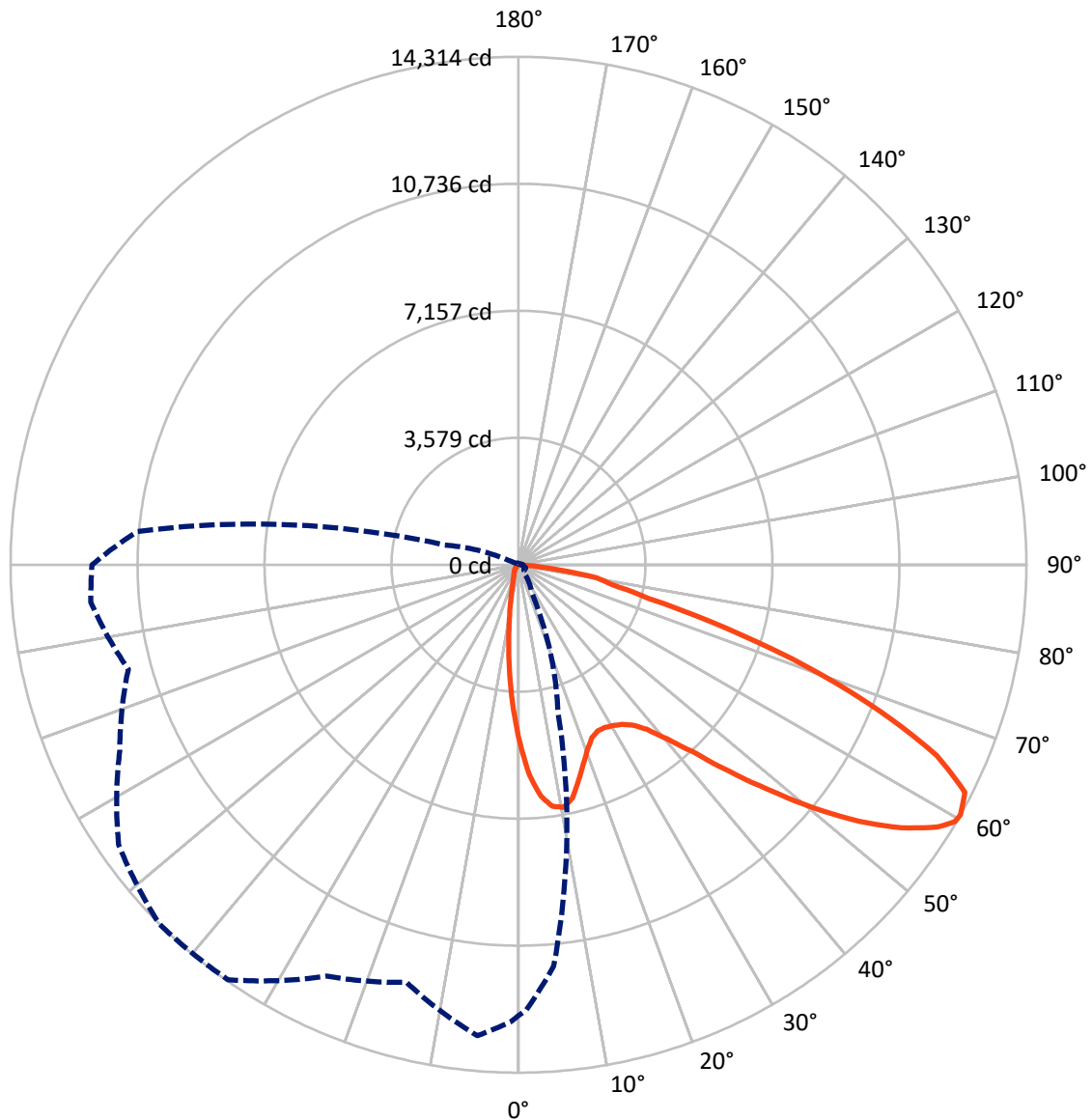
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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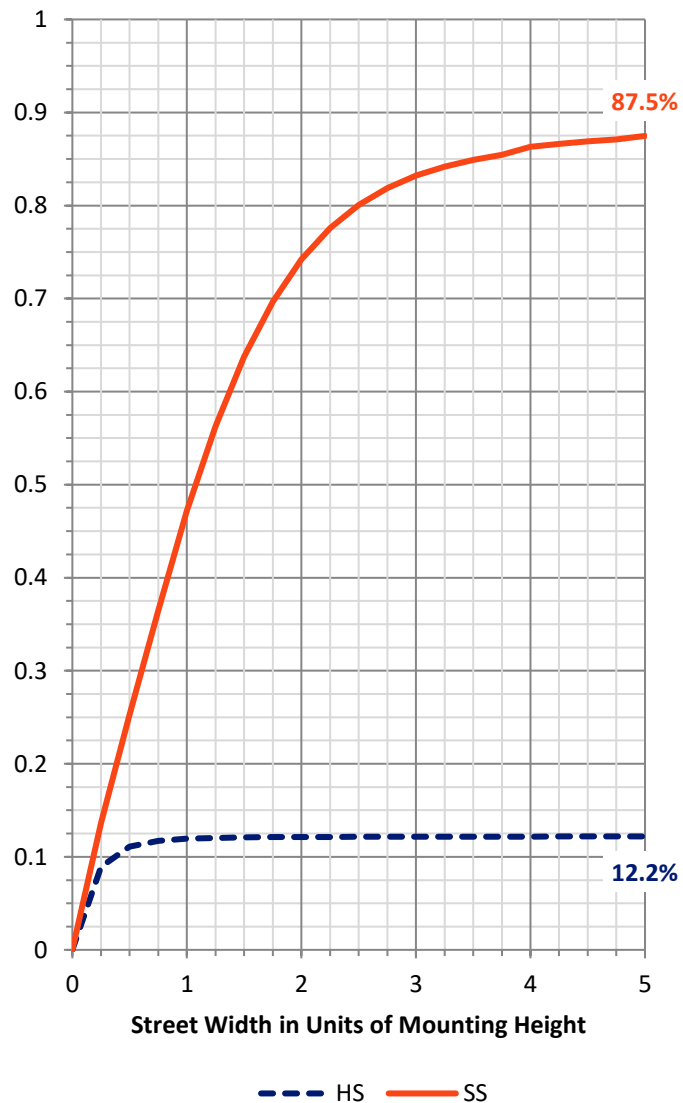
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1880.8	0.0	1880.8
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	13368.1	0.0	13368.1
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	15248.9	0.0	15248.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	374.9	2.5
10°-20°	744.5	4.9
20°-30°	1091.6	7.2
30°-40°	1623.4	10.6
40°-50°	2362.5	15.5
50°-60°	3407.0	22.3
60°-70°	3747.3	24.6
70°-80°	1678.5	11.0
80°-90°	219.3	1.4
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°	15248.9	100.0
0°-180°	15248.9	100.0

**Coefficient of Utilization**



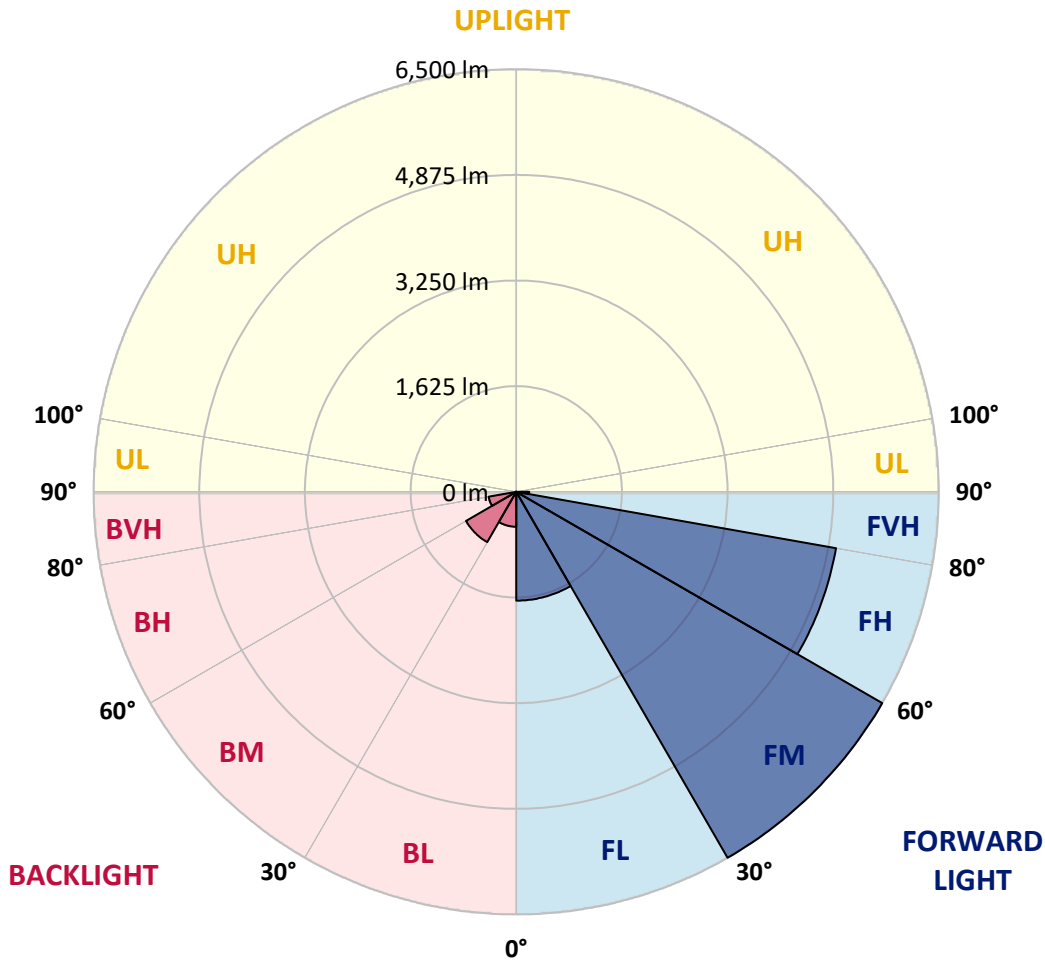
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.5	11.0			
FM (30°-60°)	6499.6	42.6			
FH (60°-80°)	4994.5	32.8			G2/5000
FVH (80°-90°)	200.6	1.3			G2/225
BL (0°-30°)	537.4	3.5	B2/1000		
BM (30°-60°)	893.3	5.9	B1/1000		
BH (60°-80°)	431.3	2.8	B1/500		G1/500
BVH (80°-90°)	18.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0
2.5°	5540.7	5516.4	5460.7	5291.5	5144.3	4951.9	4757.1	4604.1	4510.2	4337.5	4258.7
5°	5368.0	5379.6	5218.5	4870.7	4483.6	4219.3	3930.7	3701.2	3448.5	3288.5	3120.4
7.5°	4917.1	4893.9	4718.9	4234.4	3763.7	3381.2	3016.1	2719.4	2532.8	2383.2	2258.0
10°	4531.1	4513.8	4290.0	3666.4	3161.0	2874.7	2627.8	2368.2	2167.6	1948.5	1773.5
12.5°	4288.9	4249.4	3992.1	3340.7	2929.2	2662.6	2393.6	2123.6	1846.5	1625.1	1413.0
15°	4207.7	4150.9	3864.6	3228.2	2780.8	2442.3	2105.0	1794.4	1475.6	1231.0	1071.1
17.5°	4355.0	4261.0	3956.2	3208.5	2603.5	2154.9	1739.9	1335.3	1003.8	817.2	718.6
20°	4692.2	4584.5	4188.0	3188.8	2406.4	1832.6	1322.6	943.5	694.4	592.3	537.8
22.5°	5193.0	5044.6	4531.1	3220.1	2224.4	1518.5	955.1	666.5	551.8	488.0	449.8
25°	5794.6	5670.6	4965.8	3331.4	2080.7	1271.6	738.4	544.8	464.8	425.4	396.4
27.5°	6454.2	6255.9	5528.0	3464.7	1949.7	1080.3	647.9	486.9	413.8	377.9	362.8
30°	6923.6	6769.4	5998.6	3557.4	1786.3	936.6	592.3	479.9	415.0	372.1	344.3
32.5°	7387.3	7190.2	6392.7	3600.3	1666.9	836.9	512.3	418.4	363.9	341.9	314.1
35°	7883.4	7677.1	6785.6	3577.1	1577.6	770.9	464.8	373.3	311.8	274.8	246.9
37.5°	8385.3	8167.4	7176.3	3493.7	1522.0	744.2	427.8	354.7	294.4	256.2	226.1
40°	8981.1	8690.1	7542.6	3425.3	1464.0	730.3	403.4	343.1	281.6	241.1	210.9
42.5°	9468.0	9190.9	7889.2	3389.4	1424.6	697.8	403.4	333.9	273.6	228.3	197.1
45°	9929.3	9641.8	8263.5	3418.3	1408.4	657.3	408.0	332.7	267.8	219.1	187.8
47.5°	10315.3	10066.1	8648.4	3527.3	1387.5	613.2	383.7	348.9	264.3	210.9	178.5
50°	10770.8	10529.7	9157.3	3747.5	1350.4	569.2	353.5	375.5	263.2	204.0	170.4
52.5°	11413.0	11152.2	9859.8	3997.9	1291.3	501.9	325.7	372.1	258.5	192.4	162.3
55°	12197.7	11986.8	10673.5	4298.1	1210.1	426.6	281.6	330.3	244.6	172.7	148.4
57.5°	12700.8	12521.1	11283.2	4427.9	1086.1	348.9	248.1	277.0	223.7	154.2	132.2
59°	12759.9	12597.7	11410.7	4385.0	1005.0	318.8	231.8	237.6	217.9	143.8	122.9
60°	12710.1	12542.0	11359.7	4301.6	929.7	297.9	217.9	210.9	219.1	138.0	115.9
62.5°	12390.2	12102.7	10864.8	3878.5	812.6	273.6	193.6	172.7	193.6	124.0	103.2
65°	11772.3	11341.1	9885.2	3282.7	766.2	259.6	164.6	144.9	147.2	109.0	89.3
67.5°	10693.2	10149.6	8581.2	2667.2	746.5	260.8	139.1	129.8	113.6	92.7	78.8
70°	8986.9	8444.4	6885.4	2194.3	737.2	260.8	118.2	111.3	95.1	77.7	68.4
72.5°	6368.4	5784.2	4644.8	1723.7	664.2	259.6	100.9	100.9	77.7	64.9	55.7
75°	3598.0	3602.7	2919.9	1219.4	551.8	214.5	81.1	79.9	56.8	49.9	41.7
77.5°	2096.9	2059.8	1968.2	523.9	256.2	97.4	56.8	48.7	39.4	35.9	30.1
80°	1078.0	886.7	863.6	190.1	91.6	61.5	39.4	27.8	25.5	23.2	20.8
82.5°	318.8	319.9	285.2	76.5	51.0	40.6	19.7	15.0	13.9	12.8	12.8
85°	22.0	13.9	16.2	23.2	31.3	16.2	1.2	3.4	3.4	4.6	5.8
87.5°	2.3	1.2	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0
2.5°	4171.7	4222.8	4127.7	4130.1	4051.2	4076.8	3984.0	4014.1	3959.6	4001.4	4124.3
5°	3139.0	3150.6	3074.1	3049.7	3061.3	3108.8	3127.4	3042.7	3078.7	3008.0	3003.4
7.5°	2211.7	2225.6	2181.5	2175.7	2259.2	2239.5	2275.4	2188.5	2106.2	2142.1	2076.0
10°	1717.8	1659.9	1569.5	1544.0	1527.8	1538.2	1538.2	1459.4	1447.8	1416.4	1464.0
12.5°	1356.2	1285.5	1199.7	1083.8	1054.9	1052.5	1009.6	940.1	918.1	891.4	930.8
15°	985.2	956.3	884.4	819.5	753.5	740.7	671.1	614.3	539.0	528.6	525.1
17.5°	693.2	650.3	649.1	612.0	573.8	548.3	483.3	418.4	389.5	386.0	386.0
20°	519.3	504.3	479.9	475.3	463.7	434.6	376.7	341.9	328.1	329.2	333.9
22.5°	437.0	426.6	404.6	394.1	389.5	363.9	321.1	297.9	291.0	291.0	292.1
25°	390.6	381.4	357.0	340.8	335.0	316.4	282.8	265.4	259.6	259.6	259.6
27.5°	355.9	344.3	318.8	304.8	294.4	273.6	252.7	235.3	229.5	229.5	230.7
30°	331.5	318.8	295.6	277.0	260.8	242.3	224.9	209.8	202.9	201.7	202.9
32.5°	299.0	287.4	264.3	252.7	234.1	212.1	198.2	184.3	177.3	178.5	177.3
35°	233.0	229.5	213.3	216.7	206.3	187.8	175.0	160.0	151.8	150.7	153.0
37.5°	212.1	198.2	179.7	180.8	177.3	170.4	149.6	133.3	127.5	127.5	128.6
40°	195.9	182.0	161.1	150.7	151.8	151.8	129.8	112.4	106.6	105.5	107.8
42.5°	182.0	168.1	144.9	127.5	122.9	128.6	110.1	92.7	86.9	84.6	86.9
45°	172.7	157.6	131.0	111.3	97.4	104.3	90.4	76.5	69.5	69.5	68.4
47.5°	163.4	149.6	120.6	96.2	81.1	77.7	74.2	61.5	54.5	53.3	54.5
50°	155.3	141.4	109.0	83.5	68.4	60.3	60.3	48.7	44.1	41.7	42.9
52.5°	147.2	132.2	98.5	74.2	59.1	48.7	42.9	39.4	35.9	34.8	35.9
55°	135.6	120.6	88.1	63.7	51.0	40.6	33.6	32.5	30.1	27.8	30.1
57.5°	121.7	107.8	77.7	54.5	40.6	31.3	27.8	26.6	24.4	23.2	23.2
59°	113.6	100.9	71.9	47.5	35.9	27.8	25.5	24.4	22.0	19.7	20.8
60°	109.0	98.5	68.4	44.1	32.5	25.5	23.2	22.0	19.7	18.6	19.7
62.5°	96.2	88.1	60.3	35.9	25.5	18.6	16.2	17.4	16.2	15.0	16.2
65°	84.6	77.7	51.0	27.8	19.7	12.8	11.6	15.0	13.9	12.8	13.9
67.5°	75.3	67.3	42.9	20.8	13.9	7.0	8.1	12.8	12.8	11.6	12.8
70°	64.9	57.9	34.8	15.0	7.0	3.4	5.8	9.2	11.6	10.4	11.6
72.5°	53.3	45.2	26.6	10.4	3.4	0.0	3.4	8.1	11.6	10.4	11.6
75°	41.7	33.6	19.7	5.8	0.0	0.0	1.2	7.0	11.6	10.4	11.6
77.5°	30.1	24.4	11.6	1.2	0.0	0.0	1.2	7.0	11.6	10.4	11.6
80°	19.7	17.4	4.6	0.0	0.0	0.0	1.2	7.0	11.6	11.6	12.8
82.5°	12.8	9.2	0.0	0.0	0.0	0.0	2.3	9.2	12.8	13.9	13.9
85°	5.8	0.0	0.0	0.0	0.0	0.0	4.6	11.6	15.0	15.0	15.0
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	8.1	13.9	17.4	17.4	17.4
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°	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0
2.5°	4145.1	4218.2	4321.3	4480.1	4608.8	4811.6	4967.0	5179.1	5393.5	5458.4	5559.3
5°	3050.9	3144.8	3379.0	3592.2	3726.7	4155.5	4426.8	4854.5	5238.2	5422.5	5623.0
7.5°	2119.0	2230.2	2408.7	2706.6	2989.4	3338.3	3776.5	4265.7	4827.9	5091.0	5373.8
10°	1487.2	1626.3	1877.8	2122.4	2478.3	2809.8	3242.2	3782.3	4402.4	4713.1	5067.8
12.5°	938.9	1062.9	1395.6	1670.4	2114.3	2499.1	2897.9	3387.0	4105.7	4424.5	4796.6
15°	536.7	641.0	796.3	1148.7	1641.3	2150.2	2647.5	3215.5	3953.8	4346.8	4749.1
17.5°	399.9	427.8	497.3	696.6	1145.2	1739.9	2416.8	3163.3	4057.0	4518.4	4977.4
20°	336.1	354.7	387.2	466.0	730.3	1339.9	2191.9	3172.6	4390.8	4970.4	5406.3
22.5°	301.4	313.0	339.7	390.6	498.5	976.0	1928.8	3227.1	4795.4	5525.7	6028.7
25°	264.3	279.4	302.6	346.6	415.0	677.0	1669.2	3348.8	5362.2	6230.4	6703.3
27.5°	235.3	249.2	272.4	313.0	363.9	517.0	1366.6	3453.1	5960.4	6939.8	7327.0
30°	206.3	220.3	243.4	275.9	322.3	418.4	1040.9	3514.6	6541.1	7471.9	7769.8
32.5°	182.0	193.6	215.6	244.6	282.8	354.7	820.7	3450.8	6985.1	7955.3	8154.6
35°	157.6	171.6	190.1	216.7	250.4	302.6	682.8	3230.6	7366.4	8452.6	8524.4
37.5°	132.2	148.4	168.1	192.4	219.1	278.2	548.3	2987.1	7774.4	9072.7	8954.5
40°	111.3	126.4	144.9	171.6	195.9	255.0	422.0	2727.5	8214.9	9654.5	9423.9
42.5°	90.4	106.6	128.6	153.0	193.6	222.5	326.9	2458.5	8610.2	10161.1	9848.2
45°	71.9	85.7	109.0	140.2	192.4	191.3	252.7	2193.1	8908.1	10522.7	10164.6
47.5°	56.8	68.4	91.6	136.8	177.3	162.3	202.9	2028.5	9221.1	10848.5	10406.9
50°	45.2	56.8	78.8	142.6	155.3	139.1	170.4	2055.1	9523.6	11014.2	10506.5
52.5°	38.3	49.9	68.4	112.4	119.4	121.7	149.6	2178.1	9914.2	11191.6	10704.8
55°	33.6	44.1	57.9	78.8	92.7	109.0	136.8	2267.3	10437.0	11571.8	11141.8
57.5°	26.6	38.3	52.1	67.3	76.5	95.1	126.4	2274.2	10909.9	12059.8	11722.5
59°	24.4	34.8	48.7	63.7	68.4	85.7	119.4	2215.1	10927.3	12132.8	11989.1
60°	22.0	33.6	46.4	59.1	64.9	81.1	113.6	2146.8	10769.7	12016.9	12099.2
62.5°	18.6	29.0	40.6	47.5	55.7	67.3	98.5	1898.7	10005.8	11491.9	11895.2
65°	16.2	25.5	34.8	39.4	46.4	57.9	86.9	1519.6	9162.0	10780.1	11311.0
67.5°	15.0	23.2	30.1	33.6	40.6	53.3	77.7	1073.3	8068.8	9877.2	10433.6
70°	13.9	22.0	26.6	31.3	35.9	45.2	66.1	625.9	6215.4	8293.7	8881.4
72.5°	13.9	20.8	23.2	26.6	31.3	40.6	61.5	338.5	4249.4	6326.6	7085.9
75°	13.9	19.7	20.8	23.2	27.8	37.1	54.5	177.3	2747.2	4395.5	5424.9
77.5°	13.9	18.6	20.8	22.0	26.6	32.5	47.5	111.3	1830.3	3078.7	3666.4
80°	15.0	18.6	19.7	22.0	25.5	30.1	39.4	74.2	1075.7	1852.3	2231.4
82.5°	16.2	18.6	20.8	23.2	26.6	29.0	34.8	46.4	496.1	1225.2	1386.4
85°	17.4	19.7	22.0	24.4	27.8	29.0	32.5	33.6	81.1	552.9	747.7
87.5°	18.6	20.8	23.2	25.5	30.1	30.1	30.1	30.1	27.8	59.1	150.7
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: P649980

CATALOG NUMBER: GLAN-SA6A-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0	5040.0
2.5°	5686.8	5817.8	5909.4	5932.6	5866.5	5836.3	5752.9	5623.0	5544.2	5540.7
5°	5992.8	6300.0	6513.3	6549.2	6421.7	6206.1	5949.9	5619.6	5426.0	5368.0
7.5°	5940.6	6478.5	6821.6	6871.5	6657.0	6245.5	5749.4	5217.4	5006.3	4917.1
10°	5726.2	6382.3	6872.6	6951.4	6665.1	6085.6	5454.9	4861.5	4599.5	4531.1
12.5°	5543.1	6206.1	6642.0	6750.9	6534.1	5955.7	5278.8	4633.1	4352.6	4288.9
15°	5463.1	5997.5	6264.1	6319.7	6283.7	5874.6	5260.2	4598.3	4277.3	4207.7
17.5°	5543.1	5820.1	5853.7	5910.5	5990.5	5866.5	5438.7	4787.3	4440.7	4355.0
20°	5752.9	5665.9	5526.8	5551.2	5734.3	5900.1	5756.4	5205.8	4783.8	4692.2
22.5°	6109.9	5627.7	5312.4	5291.5	5523.4	6012.5	6222.3	5772.6	5283.4	5193.0
25°	6548.1	5723.9	5233.6	5188.4	5441.1	6177.1	6728.9	6466.9	5932.6	5794.6
27.5°	7025.6	5923.2	5233.6	5189.5	5434.1	6323.2	7162.4	7081.2	6604.8	6454.2
30°	7287.6	6087.8	5308.9	5259.1	5519.9	6407.8	7394.3	7627.2	7110.3	6923.6
32.5°	7521.7	6316.2	5456.1	5362.2	5699.5	6533.0	7601.7	8090.9	7512.5	7387.3
35°	7737.3	6560.8	5659.0	5550.0	5936.0	6704.5	7831.3	8577.7	8072.3	7883.4
37.5°	7974.9	6844.8	5975.4	5882.7	6331.3	7038.4	8103.7	9217.6	8622.9	8385.3
40°	8233.5	7174.0	6495.8	6456.5	6959.5	7416.3	8447.9	9900.3	9251.1	8981.1
42.5°	8496.6	7553.1	7133.4	7198.4	7671.3	7946.0	8801.5	10425.4	9765.8	9468.0
45°	8735.4	8037.6	7962.2	8283.3	8501.2	8463.0	9063.4	10795.1	10214.5	9929.3
47.5°	9036.8	8743.4	8964.9	9459.8	9465.6	9025.2	9261.6	11097.7	10600.4	10315.3
50°	9374.1	9576.9	10259.6	10763.9	10628.3	9578.0	9493.5	11455.9	10999.2	10770.8
52.5°	9764.7	10510.1	11455.9	12015.8	11699.3	10180.8	9879.4	11843.0	11632.1	11413.0
55°	10219.1	11146.4	12648.7	13094.9	12776.1	10929.7	10466.0	12368.1	12347.3	12197.7
57.5°	10732.6	11818.7	13339.5	13943.4	13659.4	11808.3	11285.5	12863.1	12784.3	12700.8
59°	11138.3	12164.1	13644.4	14270.3	14098.8	12423.8	11836.1	13171.5	12885.1	12759.9
60°	11384.0	12398.3	13756.8	14314.3	14275.0	12790.1	12185.0	13322.1	12884.0	12710.1
62.5°	12113.1	12807.5	13713.9	14118.4	14272.6	13492.5	13208.5	13487.9	12645.2	12390.2
65°	12372.8	12671.8	13003.4	12953.5	13085.7	13456.6	13862.3	13305.9	12135.2	11772.3
67.5°	11867.4	11184.6	11301.7	10969.0	10904.1	11963.6	13596.9	12415.6	11137.2	10693.2
70°	10003.5	8568.4	8509.3	8662.3	8242.7	9685.9	12209.3	10701.3	9490.0	8986.9
72.5°	7874.1	6055.4	5557.0	6120.3	6107.6	7389.6	10142.6	7593.6	6411.3	6368.4
75°	6192.2	4215.8	3700.0	3791.6	3967.8	5349.5	8078.1	4822.1	3948.0	3598.0
77.5°	4156.7	2987.1	2786.6	2674.2	2864.3	3434.6	5110.7	2615.1	2214.0	2096.9
80°	2396.0	2169.9	2464.3	2237.2	2339.1	2164.1	2542.0	1199.7	995.7	1078.0
82.5°	1559.0	1235.7	1316.8	978.4	1337.7	1349.3	816.0	354.7	300.2	318.8
85°	974.8	579.6	325.7	231.8	461.3	848.5	255.0	22.0	25.5	22.0
87.5°	252.7	96.2	40.6	60.3	74.2	66.1	59.1	3.4	1.2	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)