

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: P529379

Luminaire Tested: **GLAN-SA4C-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529379  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4C-735-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14323 lumens  
Efficiency: N/A  
Efficacy: 67.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

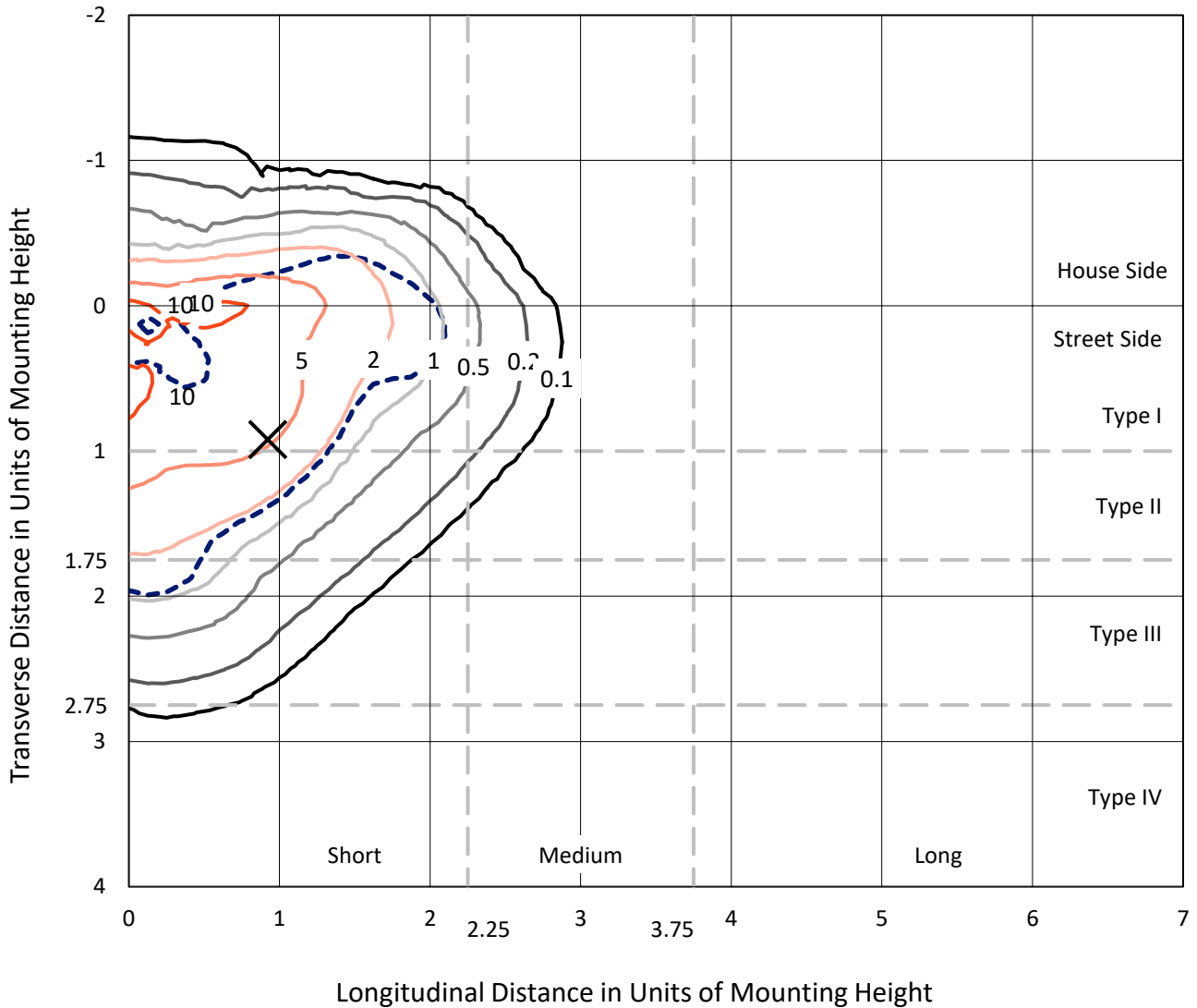
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

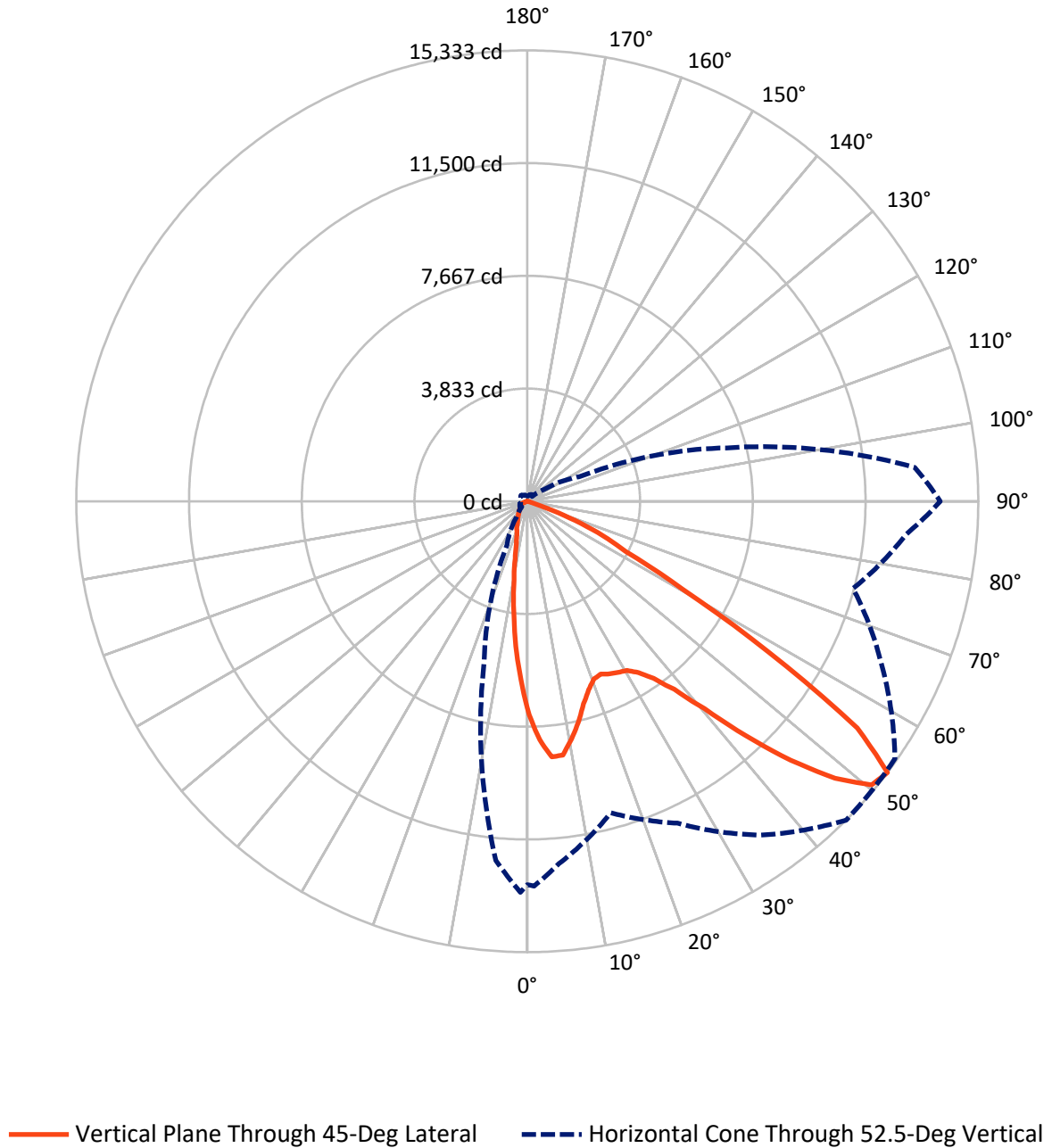
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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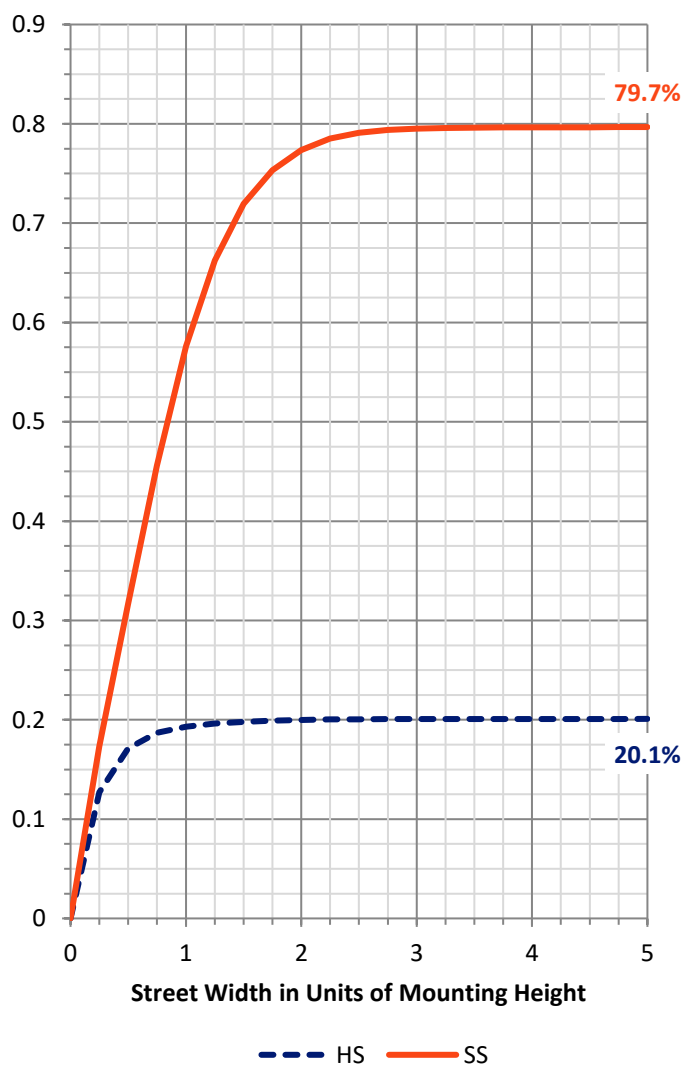
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2906.9	0.0	2906.9
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	11416.2	0.0	11416.2
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	14323.0	0.0	14323.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	529.6	3.7
10°-20°	1045.0	7.3
20°-30°	1590.2	11.1
30°-40°	2376.8	16.6
40°-50°	3384.8	23.6
50°-60°	3638.6	25.4
60°-70°	1612.3	11.3
70°-80°	130.5	0.9
80°-90°	15.2	0.1
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°	14323.0	100.0
0°-180°	14323.0	100.0

**Coefficient of Utilization**

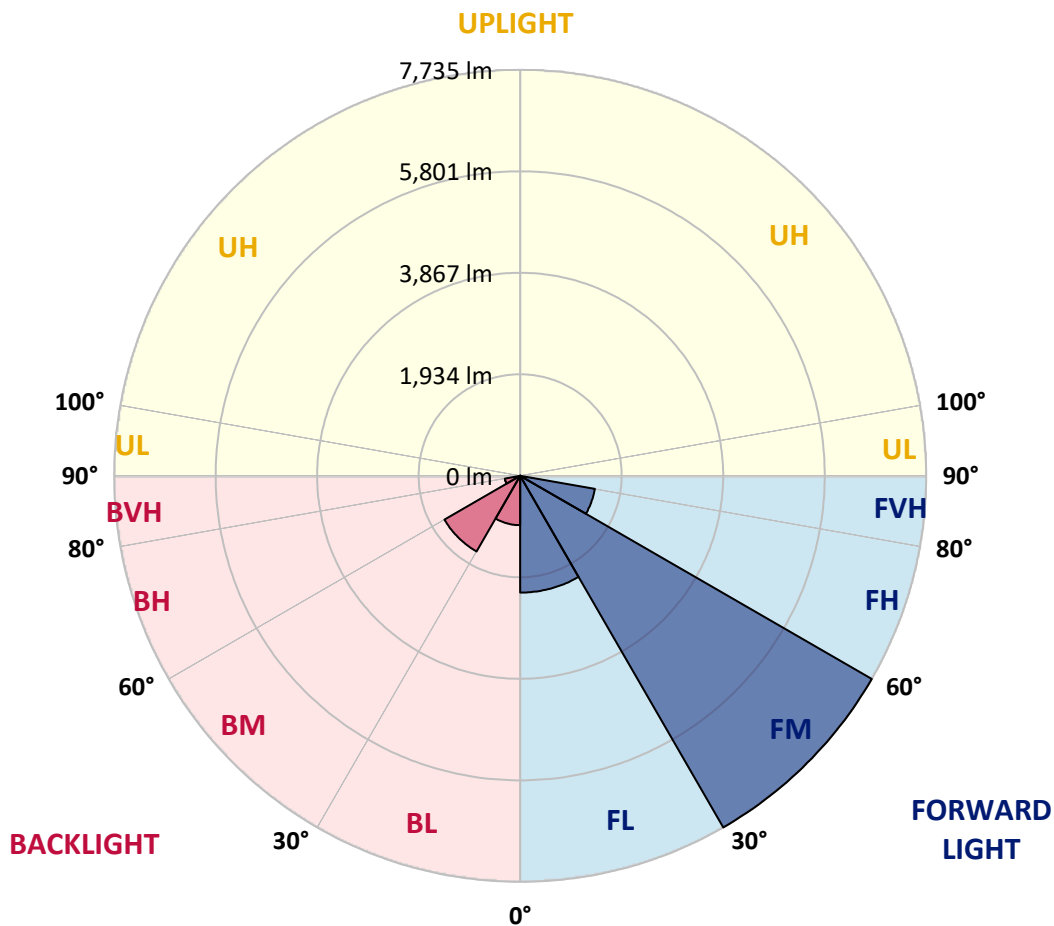


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2224.7	15.5			
FM (30°-60°)	7734.9	54.0			
FH (60°-80°)	1445.4	10.1			G1/1800
FVH (80°-90°)	11.3	0.1			G1/100
BL (0°-30°)	940.2	6.6	B2/1000		
BM (30°-60°)	1665.3	11.6	B2/2500		
BH (60°-80°)	297.4	2.1	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4
2.5°	7685.0	7707.5	7831.5	7986.4	8068.1	8254.0	8124.5	8158.3	8087.8	7839.9	7645.5
5°	7451.2	7448.4	7606.1	7989.2	8352.6	8721.7	8732.9	8535.7	8189.2	7808.9	7265.2
7.5°	6746.9	6856.8	7020.2	7631.5	8304.7	8580.8	8713.2	8482.2	7949.8	7406.1	6817.3
10°	6214.5	6270.8	6546.9	7285.0	7778.0	8147.0	8228.7	8096.3	7687.8	7008.9	6349.7
12.5°	5907.4	5935.6	6259.5	6879.3	7400.5	7673.7	7713.2	7775.1	7482.2	6845.5	6053.9
15°	5910.2	5932.8	6369.4	6887.8	7093.4	7020.2	7149.7	7146.9	7273.7	6814.5	6301.8
17.5°	6335.6	6361.0	6755.4	7011.7	6921.6	6749.7	6741.3	6870.9	7138.5	7200.5	6676.5
20°	7068.0	7127.2	7417.4	7403.3	6896.2	6549.7	6453.9	6552.5	7175.1	7527.2	7431.5
22.5°	8054.0	8135.7	8338.6	7949.8	7011.7	6414.5	6383.5	6575.1	7417.4	8256.9	8287.8
25°	9197.8	9335.8	9434.4	8935.8	7423.0	6648.3	6501.8	6831.4	7744.1	9048.5	9378.1
27.5°	9955.6	10099.2	10076.7	9364.0	7699.1	6710.3	6586.3	6893.4	8028.7	9237.2	9947.1
30°	10547.1	10634.5	10792.2	9595.0	7975.1	6884.9	6673.7	7155.4	8121.6	9564.0	10634.5
32.5°	11237.3	11296.5	11307.8	10003.4	8400.5	7104.7	6944.1	7482.2	8532.9	9876.7	11243.0
35°	11933.1	12020.5	11837.4	10507.7	8662.5	7513.1	7394.8	8048.4	8862.5	10200.6	11913.4
37.5°	12688.1	12733.2	12310.6	10716.2	9037.2	8178.0	8113.2	8659.7	9434.4	10786.6	12657.1
40°	13322.0	13364.2	12814.9	10972.5	9431.6	9107.6	9273.8	9826.0	10211.9	11166.9	13029.0
42.5°	13674.1	13772.7	12983.9	10831.7	10223.2	10161.2	10899.3	11093.7	11113.4	11273.9	13361.4
45°	13769.9	13724.8	12705.0	10947.2	10916.2	11893.7	12564.2	12820.5	12009.2	11471.1	13445.9
47.5°	13327.6	13386.8	12293.7	10845.7	11826.1	13206.5	14074.1	14550.2	12676.9	11299.3	13237.4
50°	12969.8	12893.8	12161.3	10772.5	12071.2	13826.2	15164.3	15271.4	13291.0	11510.6	13009.3
52.5°	13040.3	13088.1	12372.6	10966.9	12076.8	13862.8	15333.4	15260.1	13310.7	11462.7	12927.6
55°	13189.6	12978.3	12282.5	10538.7	11268.3	12840.2	13609.3	13496.6	12285.3	10952.8	12727.6
57.5°	11381.0	11707.8	11293.7	9409.0	9248.5	9673.8	9659.8	10006.3	9164.0	9425.9	11586.6
60°	9237.2	9293.5	9448.5	8048.4	6400.4	6253.9	6051.1	5831.4	6166.6	8059.7	10538.7
62.5°	8124.5	8056.8	8609.0	7321.6	4518.6	3783.3	3749.5	3884.8	4758.0	7687.8	9885.1
65°	5904.6	5989.1	6389.1	5682.0	3391.8	2887.5	2836.8	3236.8	3850.9	6160.9	7544.1
67.5°	3605.9	3769.3	3805.9	3504.4	2301.6	1828.3	1755.0	2118.4	2780.5	3986.2	4422.8
70°	1664.9	1862.1	2048.0	1912.8	1332.5	752.2	709.9	890.2	1402.9	2293.1	2346.6
72.5°	504.3	507.1	709.9	740.9	431.0	169.0	149.3	197.2	476.1	757.8	797.2
75°	36.6	39.4	95.8	109.9	81.7	42.3	45.1	53.5	101.4	169.0	126.8
77.5°	2.8	2.8	2.8	14.1	25.4	28.2	36.6	42.3	53.5	62.0	56.3
80°	2.8	0.0	2.8	11.3	19.7	28.2	33.8	39.4	42.3	47.9	42.3
82.5°	0.0	0.0	0.0	8.5	19.7	28.2	31.0	42.3	47.9	56.3	47.9
85°	0.0	0.0	0.0	8.5	19.7	31.0	28.2	14.1	0.0	0.0	0.0
87.5°	0.0	0.0	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°	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4
2.5°	7679.4	7569.5	7318.8	7192.0	6893.4	6851.1	6558.2	6510.3	6411.7	6358.1	6228.6
5°	7025.8	6893.4	6484.9	6141.2	5741.2	5462.3	5248.2	5053.8	4941.2	4836.9	4884.8
7.5°	6493.4	6107.4	5653.9	5079.2	4617.2	4318.6	3991.8	3724.2	3566.4	3459.4	3484.7
10°	5935.6	5684.9	5053.8	4408.7	3850.9	3639.7	3383.3	3177.7	2955.1	2763.6	2673.4
12.5°	5760.9	5389.1	4597.5	3941.1	3518.5	3312.9	3019.9	2783.3	2498.7	2264.9	2183.2
15°	5791.9	5434.1	4473.5	3772.1	3273.4	2918.5	2569.2	2276.2	1963.5	1800.1	1715.6
17.5°	6296.2	5676.4	4555.2	3594.6	2932.6	2439.6	2008.6	1636.7	1402.9	1233.9	1197.3
20°	6915.9	6200.4	4729.9	3465.0	2653.7	1941.0	1467.7	1146.6	952.2	924.0	915.6
22.5°	7823.0	7056.8	5104.5	3377.7	2312.8	1512.8	1005.7	833.9	780.3	774.7	777.5
25°	9090.7	8130.1	5513.0	3304.4	2056.5	1166.3	822.6	707.1	690.2	681.7	695.8
27.5°	9640.0	8778.0	5729.9	3146.7	1822.6	1050.8	811.3	701.5	653.6	639.5	647.9
30°	10319.0	9209.0	6070.8	2876.2	1479.0	864.8	757.8	763.4	740.9	670.5	647.9
32.5°	11220.4	9747.1	6242.6	2684.7	1321.2	715.5	555.0	509.9	569.0	580.3	600.0
35°	11797.9	10293.6	6330.0	2572.0	1239.5	611.3	470.5	428.2	414.1	416.9	428.2
37.5°	12871.2	11031.7	6439.8	2453.7	1177.5	532.4	425.4	385.9	366.2	366.2	377.5
40°	13513.5	11617.6	6589.1	2388.9	1115.6	484.5	385.9	352.1	335.2	335.2	340.9
42.5°	13674.1	11907.8	6538.4	2366.3	1045.1	473.3	352.1	326.8	307.1	304.2	301.4
45°	13961.4	12350.1	6546.9	2341.0	971.9	431.0	332.4	304.2	276.1	273.3	270.4
47.5°	14277.0	12668.4	6563.8	2242.4	901.5	360.6	346.5	281.7	247.9	242.3	242.3
50°	14006.5	12921.9	6710.3	2143.8	811.3	293.0	340.9	264.8	219.7	211.3	214.1
52.5°	14040.3	13220.5	7020.2	2005.8	698.6	233.8	276.1	250.7	200.0	185.9	188.7
55°	13499.4	12905.0	7062.4	1859.3	546.5	180.3	211.3	219.7	169.0	163.4	163.4
57.5°	11620.4	10927.4	6231.4	1507.1	360.6	149.3	152.1	191.6	146.5	140.9	143.7
60°	9944.3	8772.4	5014.4	994.4	225.4	118.3	109.9	194.4	129.6	126.8	135.2
62.5°	9065.4	7208.9	3803.1	616.9	154.9	90.1	76.1	157.8	112.7	112.7	124.0
65°	6549.7	4842.6	2211.4	324.0	109.9	70.4	56.3	90.1	93.0	95.8	101.4
67.5°	4056.6	2445.2	932.5	157.8	73.2	47.9	36.6	56.3	62.0	62.0	67.6
70°	2002.9	974.7	309.9	90.1	56.3	39.4	25.4	31.0	31.0	28.2	31.0
72.5°	619.8	293.0	78.9	56.3	39.4	25.4	14.1	11.3	5.6	0.0	2.8
75°	70.4	56.3	50.7	39.4	25.4	11.3	2.8	0.0	0.0	0.0	0.0
77.5°	42.3	47.9	47.9	39.4	25.4	8.5	0.0	0.0	0.0	0.0	0.0
80°	33.8	36.6	39.4	36.6	22.5	11.3	0.0	0.0	0.0	0.0	0.0
82.5°	42.3	47.9	53.5	47.9	31.0	14.1	5.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	8.5	2.8	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4
2.5°	6175.0	6113.1	6200.4	6070.8	6068.0	6070.8	6034.2	6000.4	6053.9	6197.6	6211.7
5°	4713.0	4845.4	4887.6	5025.7	4949.6	4836.9	4859.5	4783.4	4969.3	5051.0	4986.2
7.5°	3431.2	3422.7	3707.3	3724.2	3760.8	3763.6	3758.0	3608.7	3456.6	3490.4	3591.8
10°	2662.1	2518.5	2656.5	2642.4	2732.6	2707.2	2743.8	2583.3	2636.8	2636.8	2701.6
12.5°	2169.1	2017.0	1991.7	1955.1	1991.7	2005.8	2019.8	1988.9	2079.0	2121.3	2166.3
15°	1656.4	1571.9	1549.4	1479.0	1490.2	1529.7	1563.5	1577.6	1549.4	1614.2	1619.8
17.5°	1202.9	1200.1	1214.2	1211.3	1200.1	1191.6	1188.8	1152.2	1140.9	1146.6	1169.1
20°	912.7	935.3	983.2	1031.1	1056.4	1025.4	983.2	921.2	895.8	901.5	904.3
22.5°	780.3	814.1	878.9	932.5	957.8	901.5	825.4	771.9	760.6	757.8	755.0
25°	707.1	746.5	794.4	811.3	808.5	774.7	718.4	695.8	690.2	684.5	659.2
27.5°	667.6	681.7	690.2	709.9	718.4	695.8	681.7	647.9	642.3	642.3	625.4
30°	645.1	636.7	647.9	633.8	645.1	628.2	631.0	631.0	616.9	622.6	622.6
32.5°	600.0	602.9	602.9	574.7	583.1	563.4	583.1	600.0	602.9	605.7	628.2
35°	439.5	490.2	515.5	515.5	524.0	509.9	507.1	487.4	462.0	436.6	425.4
37.5°	385.9	405.7	439.5	459.2	473.3	462.0	436.6	405.7	391.6	380.3	369.0
40°	343.7	360.6	383.1	405.7	433.8	419.7	380.3	366.2	349.3	349.3	338.0
42.5°	309.9	318.3	332.4	366.2	397.2	369.0	340.9	329.6	321.1	318.3	315.5
45°	278.9	281.7	295.8	324.0	360.6	332.4	304.2	290.2	293.0	295.8	293.0
47.5°	250.7	256.4	264.8	298.6	321.1	307.1	276.1	267.6	267.6	267.6	270.4
50°	216.9	231.0	247.9	276.1	293.0	284.5	259.2	247.9	242.3	242.3	245.1
52.5°	194.4	205.6	228.2	262.0	284.5	270.4	245.1	228.2	216.9	214.1	219.7
55°	169.0	188.7	225.4	250.7	281.7	267.6	239.5	219.7	200.0	197.2	197.2
57.5°	152.1	183.1	216.9	247.9	273.3	262.0	239.5	214.1	188.7	185.9	185.9
60°	143.7	177.5	211.3	239.5	273.3	256.4	236.6	208.5	180.3	180.3	177.5
62.5°	135.2	166.2	200.0	228.2	262.0	247.9	228.2	200.0	171.8	171.8	166.2
65°	112.7	143.7	166.2	191.6	228.2	214.1	194.4	174.7	152.1	146.5	149.3
67.5°	78.9	98.6	121.1	146.5	169.0	163.4	154.9	140.9	121.1	118.3	115.5
70°	39.4	53.5	73.2	98.6	118.3	112.7	107.0	95.8	84.5	81.7	81.7
72.5°	5.6	16.9	31.0	45.1	62.0	64.8	62.0	59.2	56.3	53.5	56.3
75°	0.0	0.0	0.0	11.3	25.4	31.0	36.6	42.3	42.3	36.6	45.1
77.5°	0.0	0.0	0.0	0.0	2.8	14.1	28.2	36.6	45.1	39.4	53.5
80°	0.0	0.0	0.0	0.0	2.8	16.9	28.2	39.4	45.1	39.4	56.3
82.5°	0.0	0.0	0.0	0.0	2.8	19.7	28.2	36.6	42.3	39.4	50.7
85°	0.0	0.0	0.0	0.0	8.5	16.9	11.3	5.6	2.8	2.8	8.5
87.5°	0.0	0.0	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



REPORT NUMBER: P529379

CATALOG NUMBER: GLAN-SA4C-735-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4	7262.4
2.5°	6290.5	6490.5	6704.6	6786.3	7039.9	7231.4	7361.0	7639.9	7682.2	7685.0
5°	5053.8	5155.3	5521.5	5693.3	6070.8	6363.8	6676.5	7127.2	7428.6	7451.2
7.5°	3591.8	3873.5	4028.4	4476.3	4941.2	5400.3	5865.2	6389.1	6738.5	6746.9
10°	2890.3	3073.4	3349.5	3684.7	4076.3	4543.9	5163.7	5772.2	6127.1	6214.5
12.5°	2326.9	2648.1	2963.6	3310.1	3608.7	3960.8	4628.5	5439.8	5732.8	5907.4
15°	1791.7	2084.6	2456.5	2862.2	3200.2	3670.7	4431.3	5358.1	5851.1	5910.2
17.5°	1321.2	1583.2	1926.9	2310.0	2817.1	3484.7	4465.1	5772.2	6237.0	6335.6
20°	949.4	1101.5	1371.9	1817.0	2462.1	3267.8	4498.9	6191.9	6899.0	7068.0
22.5°	752.2	814.1	991.6	1386.0	2064.9	3039.6	4738.3	6994.8	7808.9	8054.0
25°	653.6	687.4	771.9	1093.0	1814.2	3017.1	5121.4	7958.2	9020.3	9197.8
27.5°	631.0	636.7	709.9	1002.9	1679.0	2867.8	5267.9	8642.8	9775.3	9955.6
30°	664.8	755.0	760.6	847.9	1428.3	2572.0	5344.0	9304.8	10414.7	10547.1
32.5°	574.7	546.5	566.2	656.4	1256.4	2400.2	5487.7	9882.3	11144.4	11237.3
35°	400.0	419.7	464.8	569.0	1098.7	2219.9	5524.3	10519.0	11837.4	11933.1
37.5°	369.0	380.3	416.9	484.5	966.3	2118.4	5473.6	10983.8	12555.7	12688.1
40°	343.7	357.8	377.5	439.5	867.7	2005.8	5403.2	11403.5	12995.2	13322.0
42.5°	324.0	335.2	352.1	419.7	783.1	1893.1	5304.6	11995.1	13389.6	13674.1
45°	301.4	318.3	338.0	408.5	735.3	1817.0	5231.3	11958.5	13617.8	13769.9
47.5°	278.9	307.1	329.6	380.3	721.2	1780.4	5262.3	11820.5	13431.8	13327.6
50°	256.4	293.0	332.4	315.5	687.4	1707.1	5298.9	12009.2	12989.5	12969.8
52.5°	236.6	278.9	309.9	259.2	611.3	1636.7	5653.9	12257.1	13302.2	13040.3
55°	208.5	250.7	247.9	208.5	495.8	1583.2	5932.8	12262.7	13091.0	13189.6
57.5°	188.7	222.5	194.4	174.7	366.2	1324.0	5479.2	10282.3	11206.3	11381.0
60°	174.7	216.9	146.5	138.0	239.5	955.0	4783.4	7963.9	8907.6	9237.2
62.5°	160.6	205.6	115.5	112.7	166.2	678.9	3932.6	6665.2	7676.5	8124.5
65°	140.9	146.5	93.0	87.3	118.3	366.2	2394.5	4589.0	5738.4	5904.6
67.5°	115.5	112.7	76.1	70.4	78.9	177.5	1056.4	2298.7	3327.0	3605.9
70°	93.0	93.0	64.8	56.3	56.3	81.7	276.1	915.6	1504.3	1664.9
72.5°	67.6	70.4	50.7	45.1	42.3	39.4	45.1	183.1	394.4	504.3
75°	59.2	62.0	50.7	39.4	31.0	25.4	19.7	16.9	22.5	36.6
77.5°	64.8	64.8	53.5	36.6	28.2	19.7	11.3	5.6	5.6	2.8
80°	81.7	84.5	70.4	47.9	33.8	22.5	14.1	5.6	2.8	2.8
82.5°	87.3	95.8	78.9	59.2	42.3	25.4	14.1	2.8	0.0	0.0
85°	22.5	36.6	62.0	53.5	42.3	25.4	14.1	2.8	0.0	0.0
87.5°	0.0	2.8	8.5	8.5	11.3	11.3	8.5	2.8	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

(END OF REPORT)