

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: P529147

Luminaire Tested: **GLAN-SA4B-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4B-735-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11592 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

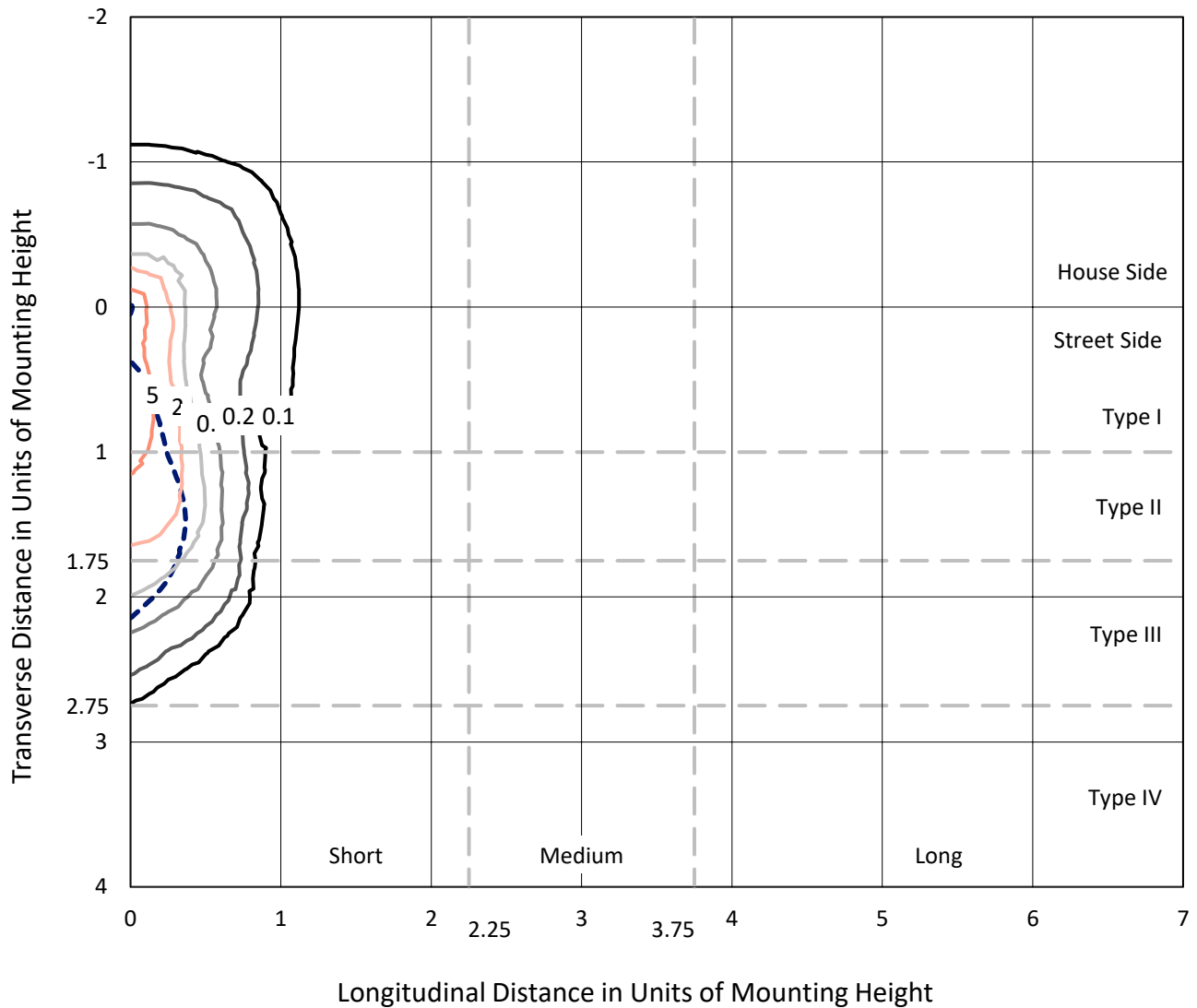
Input Watts (W): 164  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

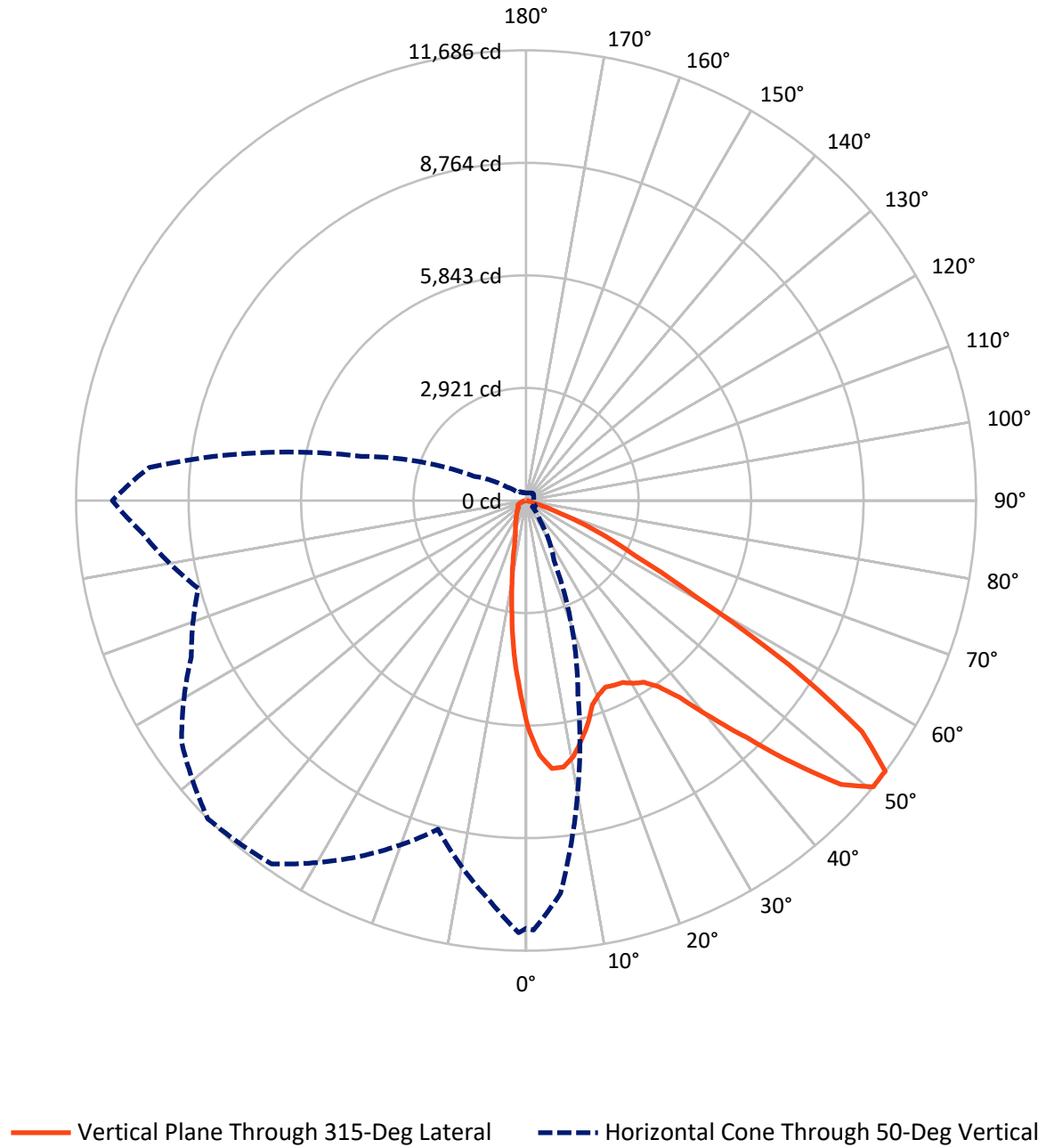
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	2321.9	0.0	2321.9
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	9270.1	0.0	9270.1
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	11592.0	0.0	11592.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.5	3.7
10°-20°	851.6	7.3
20°-30°	1279.4	11.0
30°-40°	1920.3	16.6
40°-50°	2698.8	23.3
50°-60°	2911.2	25.1
60°-70°	1351.6	11.7
70°-80°	127.2	1.1
80°-90°	23.4	0.2
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°	11592.0	100.0
0°-180°	11592.0	100.0

**Coefficient of Utilization**



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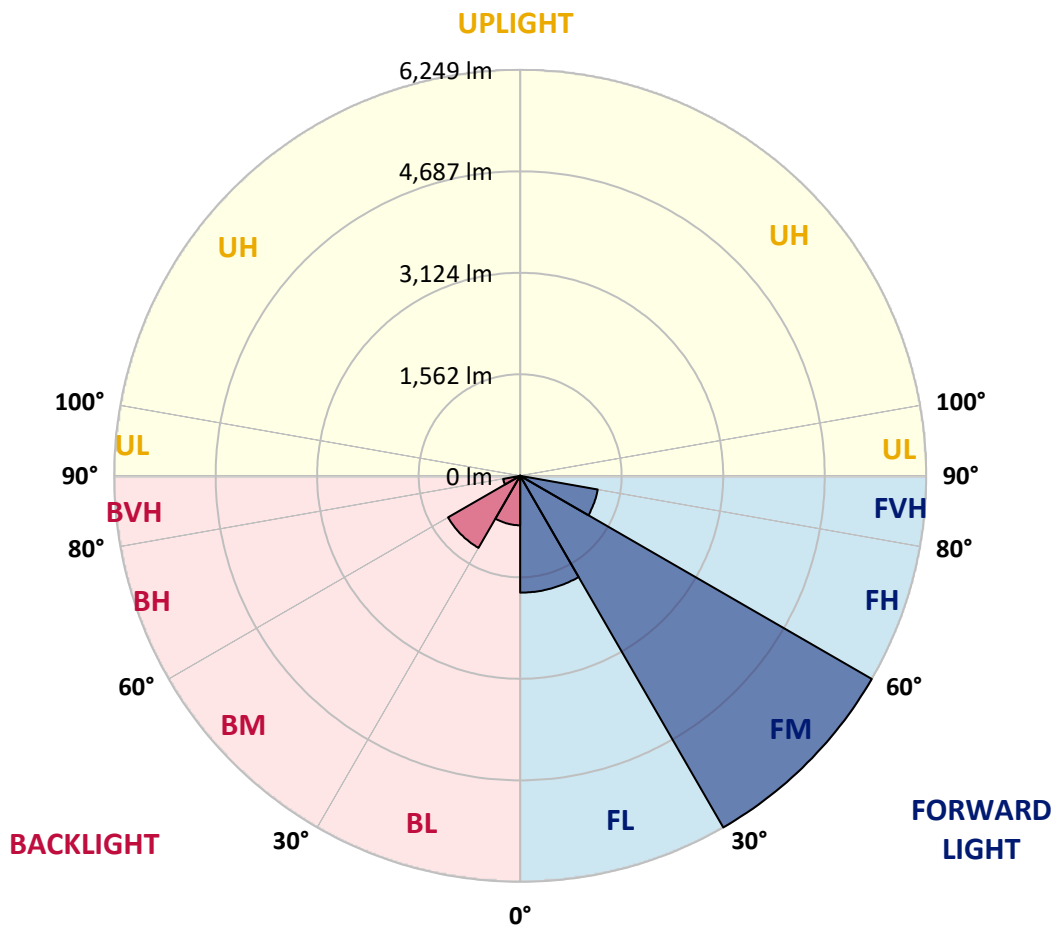
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1798.4	15.5			
FM (30°-60°)	6249.0	53.9			
FH (60°-80°)	1212.2	10.5			G1/1800
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	761.1	6.6	B2/1000		
BM (30°-60°)	1281.3	11.1	B2/2500		
BH (60°-80°)	266.6	2.3	B1/500		G1/500
BVH (80°-90°)	12.9	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6
2.5°	6110.9	6016.6	5897.0	5798.1	5650.9	5354.2	5273.7	5177.1	5096.6	4988.5	4836.7
5°	5556.6	5526.7	5471.5	5098.9	4829.8	4471.1	4176.7	4052.5	3889.2	3755.8	3659.2
7.5°	5133.4	5013.8	4839.0	4464.2	4034.1	3650.0	3323.4	3132.5	2916.3	2842.7	2711.6
10°	4680.3	4707.9	4450.4	3923.7	3403.9	3093.4	2891.0	2707.0	2511.5	2382.7	2196.4
12.5°	4535.4	4445.8	4248.0	3597.1	3153.2	2863.4	2617.3	2389.6	2182.6	1975.6	1796.2
15°	4629.7	4491.8	4215.8	3528.1	2960.0	2598.9	2290.7	1982.5	1791.6	1527.1	1340.9
17.5°	4967.8	4857.4	4487.2	3601.7	2861.1	2345.9	1888.2	1570.8	1278.8	1039.6	945.3
20°	5531.3	5374.9	4910.3	3696.0	2713.9	2040.0	1531.7	1140.8	864.8	763.6	710.7
22.5°	6083.3	5998.2	5411.7	3877.7	2582.8	1768.6	1150.0	768.2	646.3	627.9	593.4
25°	7134.4	6879.1	6177.6	4206.6	2481.6	1513.3	867.1	618.7	547.4	533.6	538.2
27.5°	7759.9	7546.0	6886.0	4425.1	2368.9	1317.9	733.7	568.1	519.8	489.9	478.4
30°	8360.2	8111.8	7237.9	4553.8	2127.4	1110.9	650.9	545.1	533.6	489.9	476.1
32.5°	8822.5	8578.7	7746.1	4747.0	2028.5	977.5	535.9	425.5	395.6	391.0	432.4
35°	9530.9	9271.0	8180.8	4852.8	1952.6	908.5	464.6	379.5	345.0	331.2	333.5
37.5°	10191.0	10013.9	8583.3	4894.2	1872.1	887.8	416.3	340.4	310.5	301.3	299.0
40°	10742.9	10347.4	8965.1	4937.9	1837.6	848.7	386.4	310.5	289.8	276.0	276.0
42.5°	10995.9	10593.4	9392.9	4912.6	1828.4	786.6	386.4	285.2	269.1	255.3	253.0
45°	10940.7	10777.4	9583.8	4901.1	1828.4	724.5	351.9	278.3	255.3	236.9	232.3
47.5°	11083.3	10869.4	9823.0	4949.4	1791.6	680.8	296.7	292.1	241.5	218.5	213.9
50°	11108.6	11150.0	10239.3	5200.1	1711.1	625.6	232.3	287.5	232.3	197.8	193.2
52°	11274.2	11016.6	10365.8	5333.5	1626.0	584.2	195.5	246.1	223.1	184.0	179.4
52.5°	11046.5	11214.4	10395.7	5381.8	1635.2	556.6	188.6	241.5	218.5	184.0	172.5
55°	10791.2	10952.2	10273.8	5485.3	1499.6	437.0	147.2	174.8	197.8	161.0	154.1
57.5°	9379.1	9542.4	8928.3	5023.0	1221.3	308.2	121.9	131.1	174.8	149.5	142.6
60°	8337.2	8219.9	7493.2	4190.5	867.1	172.5	96.6	101.2	190.9	138.0	135.7
62.5°	7619.6	7369.0	6262.7	3236.0	529.0	115.0	75.9	78.2	147.2	128.8	128.8
65°	5637.1	5356.5	4160.6	1957.2	259.9	80.5	57.5	62.1	92.0	110.4	110.4
67.5°	3217.6	3109.5	2010.1	883.2	108.1	50.6	43.7	48.3	71.3	89.7	85.1
70°	1478.9	1327.1	772.8	186.3	50.6	34.5	34.5	39.1	57.5	66.7	62.1
72.5°	432.4	409.4	188.6	29.9	20.7	20.7	23.0	29.9	43.7	50.6	46.0
75°	32.2	20.7	13.8	9.2	9.2	13.8	18.4	29.9	43.7	48.3	39.1
77.5°	2.3	4.6	2.3	2.3	6.9	13.8	20.7	36.8	57.5	59.8	43.7
80°	2.3	2.3	0.0	2.3	6.9	13.8	23.0	41.4	64.4	69.0	36.8
82.5°	0.0	0.0	0.0	2.3	9.2	18.4	27.6	43.7	59.8	73.6	39.1
85°	0.0	0.0	0.0	2.3	13.8	25.3	32.2	11.5	6.9	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°	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6
2.5°	4944.8	4885.0	4862.0	4882.7	4875.8	4868.9	4995.4	4967.8	4963.2	5004.6	4995.4
5°	3712.1	3606.3	3896.1	3778.8	3900.7	3974.3	3988.1	3995.0	4080.1	3990.4	4107.7
7.5°	2644.9	2672.5	2670.2	2748.4	2888.7	3012.9	3086.5	3029.0	3024.4	3012.9	2962.3
10°	2113.6	2065.3	2056.1	2037.7	2081.4	2187.2	2276.9	2205.6	2155.0	2224.0	2203.3
12.5°	1727.2	1660.5	1623.7	1550.1	1552.4	1623.7	1623.7	1623.7	1674.3	1713.4	1743.3
15°	1324.8	1269.6	1269.6	1196.0	1179.9	1182.2	1219.0	1223.6	1304.1	1327.1	1338.6
17.5°	926.9	897.0	931.5	961.4	943.0	947.6	961.4	966.0	977.5	968.3	991.3
20°	713.0	708.4	717.6	770.5	809.6	832.6	816.5	793.5	779.7	747.5	747.5
22.5°	604.9	614.1	630.2	673.9	724.5	738.3	719.9	667.0	625.6	621.0	623.3
25°	538.2	547.4	572.7	600.3	627.9	650.9	632.5	593.4	570.4	549.7	549.7
27.5°	496.8	501.4	515.2	535.9	558.9	577.3	570.4	549.7	524.4	515.2	494.5
30°	464.6	471.5	487.6	492.2	512.9	522.1	510.6	506.0	489.9	478.4	471.5
32.5°	448.5	446.2	457.7	462.3	464.6	471.5	457.7	464.6	462.3	443.9	437.0
35°	338.1	356.5	386.4	411.7	418.6	427.8	425.5	416.3	391.0	370.3	345.0
37.5°	303.6	315.1	331.2	351.9	379.5	391.0	386.4	363.4	333.5	319.7	315.1
40°	280.6	287.5	301.3	315.1	342.7	363.4	347.3	326.6	303.6	292.1	285.2
42.5°	259.9	262.2	269.1	282.9	303.6	335.8	308.2	280.6	271.4	264.5	259.9
45°	236.9	236.9	246.1	253.0	276.0	305.9	278.3	253.0	248.4	243.8	241.5
47.5°	218.5	220.8	225.4	234.6	253.0	273.7	255.3	234.6	223.1	220.8	216.2
50°	195.5	197.8	207.0	216.2	239.2	250.7	239.2	216.2	204.7	197.8	197.8
52°	177.1	184.0	193.2	211.6	227.7	246.1	232.3	207.0	193.2	186.3	181.7
52.5°	174.8	179.4	188.6	209.3	227.7	243.8	230.0	204.7	188.6	184.0	179.4
55°	156.4	163.3	179.4	204.7	225.4	243.8	225.4	202.4	179.4	167.9	163.3
57.5°	149.5	154.1	174.8	207.0	223.1	243.8	225.4	202.4	179.4	158.7	154.1
60°	142.6	151.8	174.8	200.1	220.8	246.1	227.7	200.1	174.8	149.5	149.5
62.5°	135.7	142.6	172.5	195.5	211.6	236.9	218.5	195.5	167.9	142.6	140.3
65°	117.3	128.8	151.8	163.3	181.7	204.7	186.3	170.2	147.2	126.5	124.2
67.5°	89.7	94.3	112.7	126.5	138.0	158.7	149.5	128.8	112.7	96.6	96.6
70°	62.1	66.7	80.5	87.4	98.9	110.4	103.5	87.4	75.9	66.7	64.4
72.5°	43.7	46.0	50.6	55.2	59.8	64.4	62.1	50.6	43.7	41.4	39.1
75°	34.5	39.1	41.4	39.1	36.8	34.5	34.5	29.9	25.3	23.0	23.0
77.5°	34.5	36.8	34.5	29.9	25.3	23.0	20.7	18.4	13.8	11.5	13.8
80°	29.9	29.9	29.9	25.3	23.0	20.7	18.4	16.1	13.8	11.5	11.5
82.5°	32.2	32.2	29.9	25.3	25.3	20.7	20.7	18.4	16.1	11.5	11.5
85°	0.0	0.0	0.0	4.6	11.5	20.7	20.7	18.4	16.1	13.8	13.8
87.5°	0.0	0.0	0.0	0.0	2.3	4.6	9.2	11.5	13.8	13.8	13.8
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6
2.5°	5078.2	5165.6	5331.2	5496.8	5598.0	5717.6	5933.8	6048.8	6198.3	6271.9	6416.8
5°	4091.6	4298.6	4372.2	4560.7	4763.1	4965.5	5287.5	5641.7	5936.1	6138.5	6400.7
7.5°	2985.3	3033.6	3318.8	3445.3	3776.5	4144.5	4583.7	5029.9	5402.5	5733.7	5933.8
10°	2237.8	2414.9	2594.3	2835.8	3102.6	3482.1	3903.0	4395.2	4878.1	5209.3	5462.3
12.5°	1798.5	1938.8	2178.0	2437.9	2766.8	3017.5	3440.7	3928.3	4553.8	4878.1	5211.6
15°	1361.6	1540.9	1812.3	2081.4	2428.7	2693.2	3121.0	3735.1	4540.0	4986.2	5273.7
17.5°	1009.7	1131.6	1375.4	1676.6	2030.8	2403.4	2980.7	3714.4	4694.1	5225.4	5522.1
20°	772.8	814.2	968.3	1237.4	1621.4	2109.0	2753.0	3804.1	5149.5	5807.3	6108.6
22.5°	625.6	644.0	703.8	890.1	1262.7	1851.4	2644.9	3866.2	5662.4	6504.2	6906.7
25°	545.1	540.5	579.6	660.1	986.7	1609.9	2506.9	4100.8	6290.3	7323.0	7684.0
27.5°	496.8	496.8	515.2	572.7	818.8	1453.6	2419.5	4268.7	6922.8	8042.8	8238.3
30°	471.5	476.1	529.0	547.4	680.8	1267.3	2274.6	4438.9	7527.7	8502.8	8771.9
32.5°	437.0	418.6	407.1	453.1	572.7	1099.4	2129.7	4510.2	8017.5	9066.3	9296.3
35°	335.8	326.6	340.4	374.9	492.2	956.8	1968.7	4590.6	8581.0	9719.5	9765.5
37.5°	303.6	301.3	310.5	340.4	414.0	832.6	1853.7	4569.9	9011.1	10260.0	10135.8
40°	280.6	280.6	287.5	312.8	370.3	745.2	1734.1	4551.5	9427.4	10867.1	10503.8
42.5°	262.2	262.2	273.7	289.8	351.9	687.7	1644.4	4526.3	9777.0	11239.7	10719.9
45°	236.9	243.8	262.2	278.3	356.5	648.6	1577.7	4429.7	9896.6	11235.1	10616.4
47.5°	218.5	227.7	246.1	269.1	322.0	637.1	1531.7	4344.6	9855.2	10959.1	10292.2
50°	197.8	209.3	234.6	273.7	273.7	614.1	1483.5	4420.5	9825.3	10745.2	9981.7
52°	184.0	193.2	225.4	266.8	239.2	565.8	1453.6	4567.6	9947.2	10717.6	9843.7
52.5°	181.7	188.6	218.5	262.2	227.7	556.6	1432.9	4602.1	9986.3	10648.6	9938.0
55°	161.0	170.2	200.1	204.7	186.3	457.7	1366.2	4680.3	9793.1	10513.0	9848.3
57.5°	151.8	156.4	177.1	167.9	161.0	345.0	1175.3	4558.4	8698.3	9337.7	9162.9
60°	140.3	144.9	165.6	131.1	135.7	241.5	883.2	3958.2	6984.9	7780.6	8095.7
62.5°	135.7	133.4	156.4	105.8	115.0	174.8	623.3	3217.6	5381.8	6405.3	6950.4
65°	119.6	117.3	112.7	89.7	98.9	135.7	372.6	2099.8	3792.6	4845.9	5144.9
67.5°	92.0	96.6	82.8	71.3	82.8	105.8	207.0	940.7	1989.4	2907.1	3148.6
70°	64.4	69.0	66.7	62.1	73.6	87.4	119.6	322.0	823.4	1527.1	1683.5
72.5°	39.1	48.3	50.6	52.9	64.4	75.9	85.1	103.5	218.5	540.5	671.6
75°	23.0	32.2	39.1	46.0	52.9	64.4	71.3	73.6	75.9	101.2	163.3
77.5°	16.1	23.0	34.5	43.7	52.9	64.4	75.9	80.5	75.9	71.3	75.9
80°	13.8	23.0	32.2	41.4	55.2	66.7	75.9	75.9	73.6	64.4	69.0
82.5°	13.8	23.0	34.5	43.7	52.9	64.4	73.6	75.9	69.0	64.4	66.7
85°	16.1	25.3	36.8	46.0	57.5	52.9	48.3	39.1	36.8	29.9	32.2
87.5°	16.1	23.0	23.0	25.3	27.6	27.6	27.6	25.3	20.7	18.4	18.4
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: P529147

CATALOG NUMBER: GLAN-SA4B-735-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6	5878.6
2.5°	6423.7	6607.7	6600.8	6605.4	6577.8	6391.5	6301.8	6074.1	6138.5	6110.9
5°	6669.8	6851.5	7007.9	6989.5	6777.9	6524.9	6150.0	5795.8	5699.2	5556.6
7.5°	6423.7	6860.7	7005.6	6984.9	6672.1	6347.8	5749.8	5395.6	5227.7	5133.4
10°	6032.7	6538.7	6718.1	6754.9	6543.3	6051.1	5501.4	4933.3	4843.6	4680.3
12.5°	5809.6	6177.6	6288.0	6386.9	6313.3	5945.3	5312.8	4767.7	4643.5	4535.4
15°	5627.9	5846.4	5892.4	6005.1	6048.8	5851.0	5411.7	4947.1	4641.2	4629.7
17.5°	5795.8	5706.1	5538.2	5572.7	5710.7	5853.3	5667.0	5301.3	5004.6	4967.8
20°	6074.1	5678.5	5299.0	5384.1	5499.1	5936.1	6053.4	5795.8	5625.6	5531.3
22.5°	6393.8	5726.8	5223.1	5264.5	5483.0	6122.4	6679.0	6536.4	6219.0	6083.3
25°	6984.9	5860.2	5282.9	5310.5	5609.5	6382.3	7244.8	7350.6	7162.0	7134.4
27.5°	7562.1	6205.2	5414.0	5351.9	5673.9	6635.3	7587.4	8155.5	7824.3	7759.9
30°	7856.5	6485.8	5609.5	5503.7	5940.7	6789.4	7794.4	8679.9	8390.1	8360.2
32.5°	8307.3	6741.1	5761.3	5625.6	6090.2	6980.3	8180.8	9252.6	8972.0	8822.5
35°	8495.9	7019.4	6094.8	5936.1	6518.0	7247.1	8378.6	9763.2	9675.8	9530.9
37.5°	8859.3	7318.4	6488.1	6478.9	7035.5	7594.3	8735.1	10457.8	10441.7	10191.0
40°	8889.2	7644.9	7109.1	7398.9	7835.8	8199.2	9047.9	10650.9	10913.1	10742.9
42.5°	8935.2	8217.6	8183.1	8422.3	8797.2	8719.0	9059.4	10696.9	11097.1	10995.9
45°	8955.9	8790.3	9275.6	9717.2	9873.6	9399.8	8951.3	10609.5	11193.7	10940.7
47.5°	8790.3	9282.5	10158.8	11012.0	11058.0	9818.4	8905.3	10519.9	11251.2	11083.3
50°	8813.3	9590.7	10922.3	11685.9	11518.0	10188.7	8834.0	10464.7	11221.3	11108.6
52°	8758.1	9597.6	11030.4	11672.1	11554.8	9984.0	8712.1	10253.1	11193.7	11274.2
52.5°	8820.2	9556.2	10917.7	11681.3	11529.5	10085.2	8696.0	10370.4	11209.8	11046.5
55°	8606.3	9064.0	10257.7	10581.9	10559.0	9153.7	8201.5	9981.7	10788.9	10791.2
57.5°	7778.3	7856.5	8045.1	8038.2	7932.4	7196.5	7014.8	9179.0	9618.3	9379.1
60°	6853.8	5752.1	5243.8	5036.8	4919.5	4799.9	6205.2	8397.0	8438.4	8337.2
62.5°	5922.3	3988.1	3311.9	3254.4	3282.0	3719.0	5998.2	8086.5	7838.1	7619.6
65°	4779.2	2907.1	2405.7	2329.8	2598.9	3070.4	4855.1	6200.6	5818.8	5637.1
67.5°	3001.4	2120.5	1626.0	1483.5	1807.7	2113.6	3190.0	3896.1	3468.3	3217.6
70°	1780.1	1184.5	736.0	660.1	742.9	1127.0	1787.0	1943.4	1607.6	1478.9
72.5°	701.5	434.7	204.7	174.8	181.7	395.6	657.8	641.7	485.3	432.4
75°	188.6	131.1	71.3	57.5	48.3	73.6	105.8	69.0	25.3	32.2
77.5°	87.4	78.2	62.1	48.3	36.8	27.6	13.8	4.6	4.6	2.3
80°	75.9	66.7	57.5	48.3	36.8	23.0	11.5	2.3	2.3	2.3
82.5°	71.3	62.1	52.9	43.7	34.5	23.0	11.5	2.3	0.0	0.0
85°	29.9	39.1	43.7	41.4	36.8	23.0	11.5	2.3	0.0	0.0
87.5°	16.1	13.8	11.5	9.2	6.9	4.6	4.6	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

(END OF REPORT)