

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: P452522

Luminaire Tested: **GLAN-SA3C-727-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12605 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

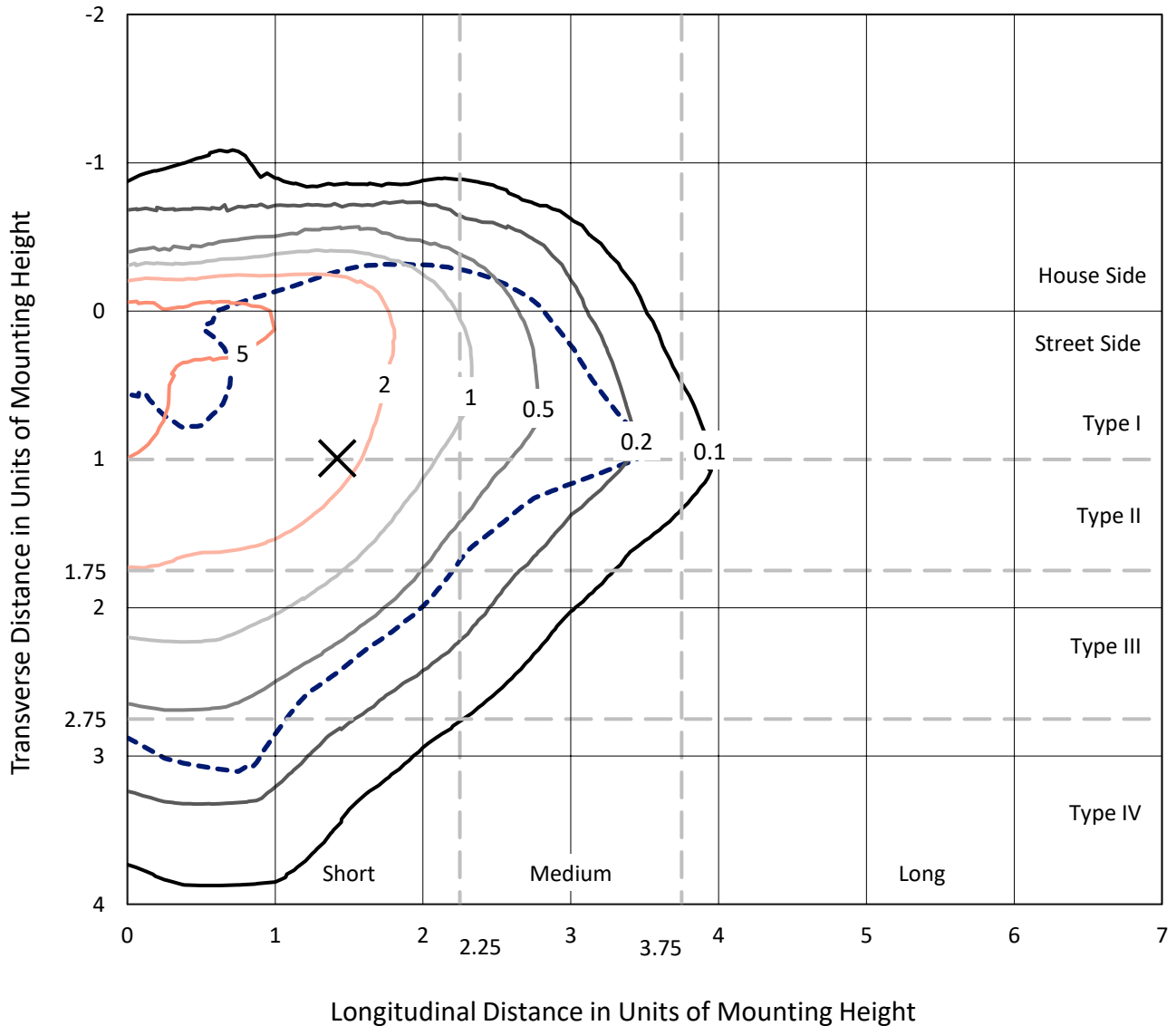
Input Watts (W): 160
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

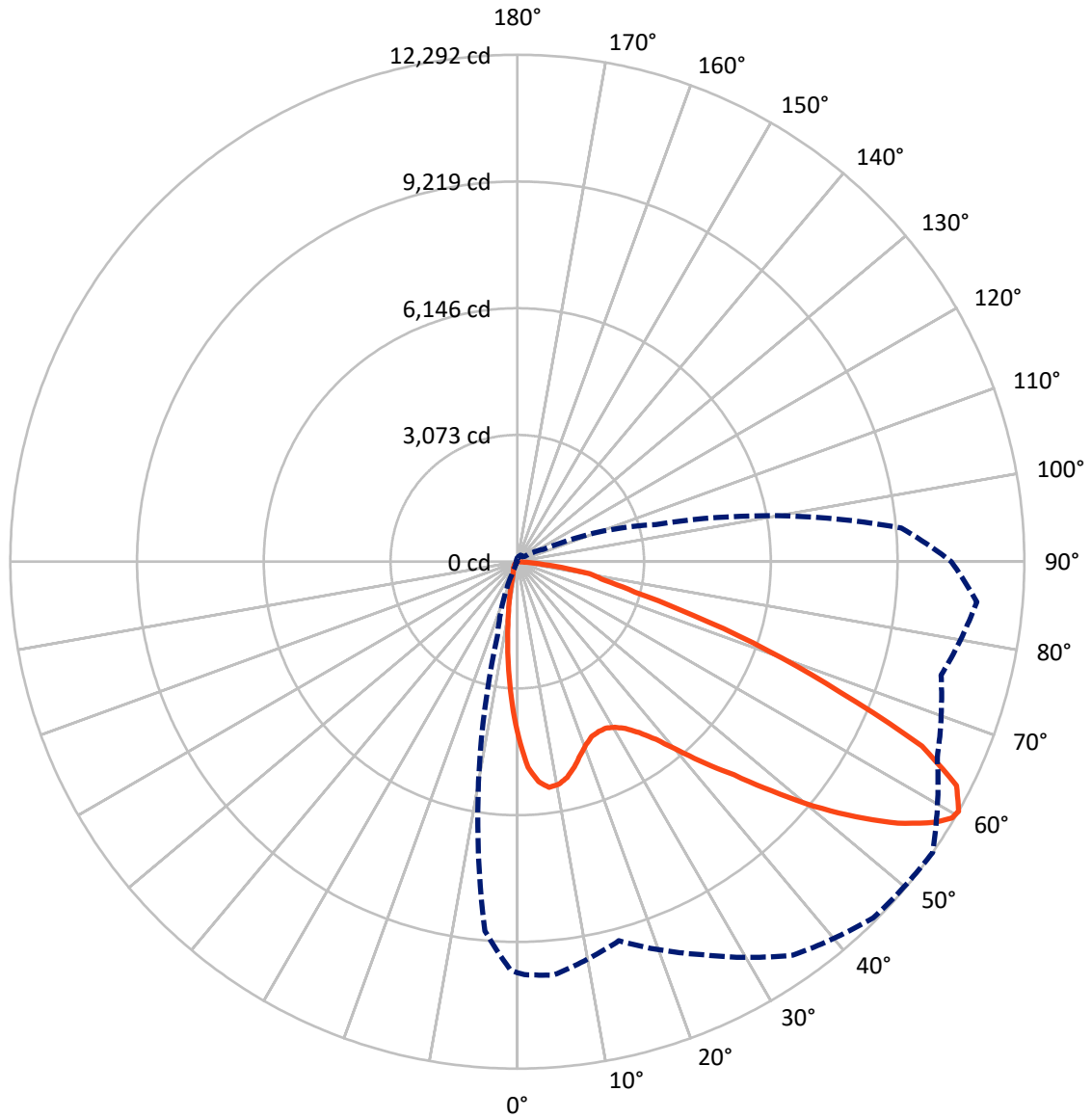
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical



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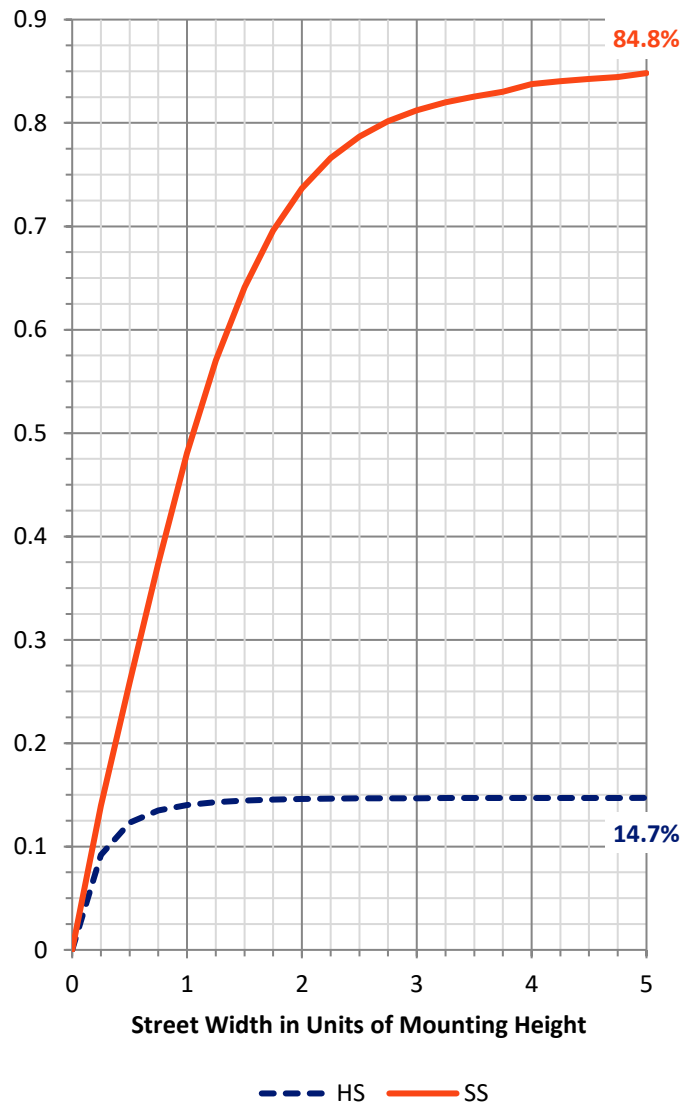
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1870.7	0.0	1870.7
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	10734.3	0.0	10734.3
	% Fixture	85.2	0.0	85.2
Total	Lumens	12605.0	0.0	12605.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.1	2.5
10°-20°	622.4	4.9
20°-30°	921.2	7.3
30°-40°	1373.2	10.9
40°-50°	2011.1	16.0
50°-60°	2903.3	23.0
60°-70°	3054.2	24.2
70°-80°	1256.4	10.0
80°-90°	147.1	1.2
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°	12605.0	100.0
0°-180°	12605.0	100.0



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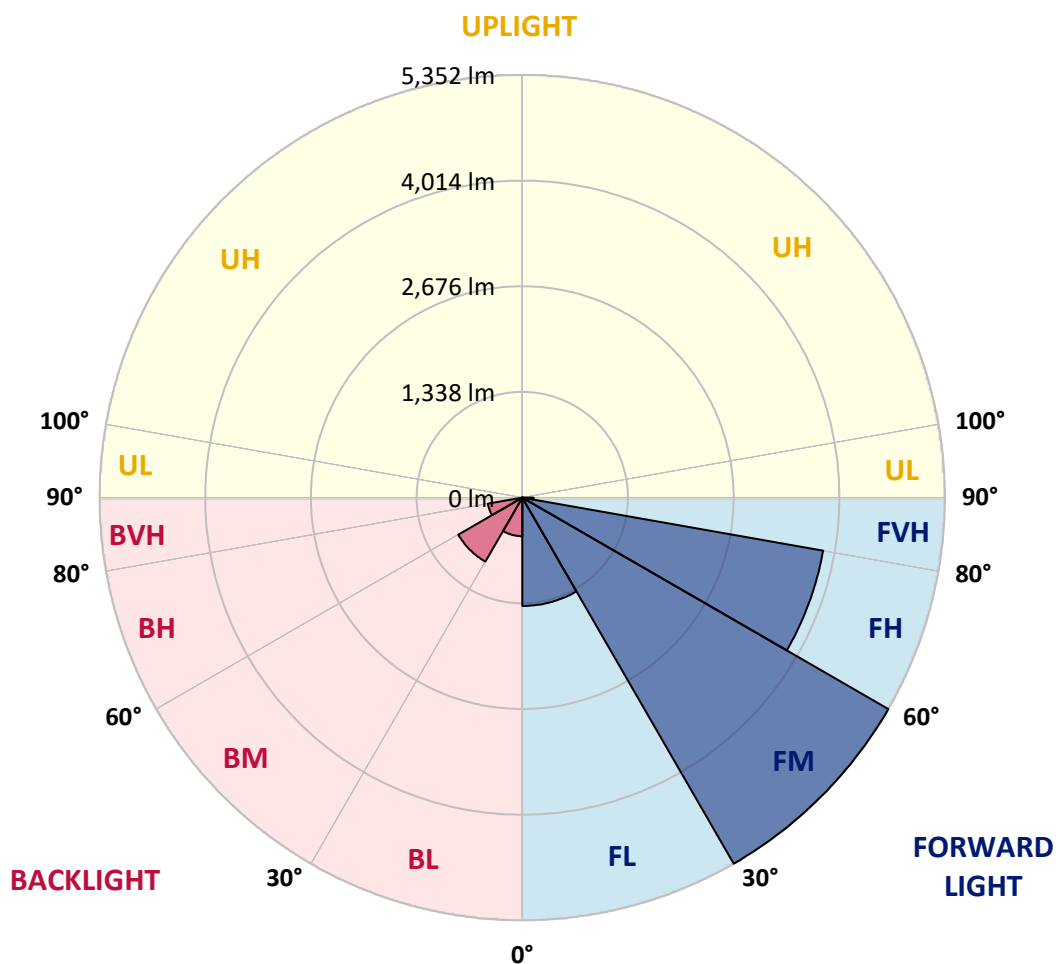
CATALOG NUMBER: GLAN-SA3C-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1371.6	10.9			
FM	(30°-60°)	5352.1	42.5			
FH	(60°-80°)	3867.8	30.7			G2/5000
FVH	(80°-90°)	142.8	1.1			G2/225
BL	(0°-30°)	488.1	3.9	B1/500		
BM	(30°-60°)	935.5	7.4	B1/1000		
BH	(60°-80°)	442.8	3.5	B1/500		G1/500
BVH	(80°-90°)	4.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0
2.5°	4662.9	4655.1	4724.0	4836.6	4950.1	5009.3	4997.6	4992.8	4898.7	4829.8	4685.2
5°	4653.2	4693.0	4816.2	5120.8	5351.8	5463.3	5496.3	5357.6	5174.2	4908.4	4580.4
7.5°	4374.7	4424.2	4625.1	5101.4	5511.8	5754.4	5745.7	5523.5	5145.1	4733.7	4266.1
10°	4029.3	4087.6	4323.3	4901.6	5434.2	5754.4	5771.9	5490.5	5019.9	4492.1	4000.2
12.5°	3785.8	3854.7	4115.7	4715.3	5234.4	5549.7	5570.1	5366.3	4925.8	4399.0	3855.7
15°	3703.3	3768.4	4033.2	4621.2	5021.9	5191.7	5186.8	5165.5	4889.0	4421.3	3863.4
17.5°	3845.0	3898.4	4197.2	4663.9	4823.0	4805.5	4830.7	4933.6	4896.7	4608.6	4107.9
20°	4210.8	4265.1	4586.3	4794.9	4670.7	4560.1	4571.7	4743.4	4968.5	4960.8	4490.2
22.5°	4714.3	4806.5	5097.6	5049.0	4650.3	4407.7	4383.5	4606.6	5090.8	5366.3	5006.4
25°	5351.8	5444.9	5671.9	5454.6	4750.2	4371.8	4349.5	4564.9	5239.2	5762.2	5587.5
27.5°	5887.3	5958.1	6184.2	5849.5	4897.7	4387.4	4350.5	4570.7	5359.5	6098.8	6077.5
30°	6316.2	6368.6	6501.5	6033.8	5024.8	4455.3	4412.6	4656.1	5412.9	6262.8	6474.3
32.5°	6661.6	6749.9	6791.6	6230.8	5207.2	4583.3	4510.6	4820.1	5542.9	6465.6	6890.5
35°	7056.4	7158.3	7105.0	6419.0	5447.8	4783.2	4693.9	5085.9	5739.8	6652.8	7373.7
37.5°	7557.1	7674.5	7465.9	6616.9	5702.0	5084.0	5042.3	5459.5	6038.7	6920.6	7891.8
40°	8075.2	8143.1	7816.1	6857.5	6014.4	5521.5	5561.3	6014.4	6429.7	7241.8	8442.9
42.5°	8479.8	8543.8	8176.1	7059.4	6333.6	6040.6	6206.5	6683.9	6877.9	7570.7	8854.3
45°	8789.3	8843.6	8425.4	7279.6	6764.4	6792.5	7105.9	7373.7	7327.1	7771.5	9171.5
47.5°	9029.9	9076.5	8617.5	7516.3	7409.6	7712.3	8191.6	8305.1	7792.8	7988.8	9458.7
50°	9128.8	9142.4	8677.7	7818.1	8142.1	8884.3	9384.0	9315.1	8326.5	8230.4	9764.3
52.5°	9257.9	9255.0	8849.4	8105.3	8831.0	9932.2	10430.9	10274.7	8929.9	8592.3	10107.8
55°	9596.5	9600.4	9217.1	8512.8	9418.0	10778.2	11311.8	11198.3	9566.4	9203.6	10508.5
57.5°	10007.9	10022.4	9740.1	8989.1	9978.8	11391.4	11969.7	11926.0	10427.0	9883.7	10886.9
59°	10061.2	10090.3	9987.5	9324.8	10311.5	11579.6	12194.8	12237.4	10887.9	10331.9	11091.6
60°	9964.2	10012.7	10059.3	9515.0	10506.6	11647.5	12208.3	12291.8	11234.2	10636.6	11184.7
62.5°	9541.2	9617.8	9851.7	10100.0	10750.1	11436.0	11774.6	11949.3	11663.1	11437.0	11193.5
65°	8987.2	9027.0	9364.6	10203.9	10277.6	10448.3	10553.1	10777.3	11147.9	11745.5	10792.8
67.5°	8079.1	8196.5	8609.8	9601.3	8883.4	8681.6	8655.4	8432.2	9394.7	11010.1	9805.1
70°	6674.2	6726.6	7235.9	7871.4	6704.3	6393.8	6518.0	6434.5	7282.5	9478.1	7891.8
72.5°	5047.1	5165.5	5663.2	6274.4	4562.0	4159.4	4501.8	4470.8	5470.1	7617.2	5421.6
75°	3590.8	3667.4	4302.0	4910.3	3194.9	2706.9	2830.1	2945.6	3818.8	6014.4	3203.7
77.5°	2467.3	2533.3	3009.6	3247.3	2330.5	2232.5	2042.3	2153.9	2502.2	3568.5	1743.5
80°	1488.3	1485.4	1798.8	1857.0	1623.2	1885.1	1581.5	1775.5	1512.6	1527.1	675.3
82.5°	966.3	956.6	1100.2	1199.2	903.3	949.8	637.4	918.8	985.7	425.9	213.4
85°	432.7	451.2	528.8	697.6	395.9	210.5	130.0	282.3	420.1	214.4	0.0
87.5°	44.6	34.9	93.1	169.8	54.3	5.8	19.4	9.7	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°	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0
2.5°	4618.3	4562.0	4394.1	4237.0	4102.1	3937.2	3830.4	3662.6	3560.7	3529.7	3534.5
5°	4433.0	4270.9	3951.7	3696.6	3412.3	3250.3	3003.8	2767.1	2639.0	2591.5	2570.1
7.5°	4044.9	3871.2	3486.0	3085.3	2780.7	2496.4	2313.0	2104.4	1961.8	1844.4	1824.0
10°	3756.7	3528.7	3051.4	2620.6	2380.0	2166.5	1983.1	1774.5	1606.7	1472.8	1435.9
12.5°	3584.0	3328.8	2796.2	2435.3	2207.3	1988.0	1749.3	1507.7	1336.0	1191.4	1124.5
15°	3553.0	3257.0	2724.4	2302.3	2021.0	1756.1	1438.8	1177.9	1001.3	864.5	822.8
17.5°	3740.2	3386.1	2713.7	2163.6	1777.5	1402.0	1072.1	855.7	656.8	580.2	550.1
20°	4074.0	3614.1	2712.7	2002.5	1527.1	1079.9	752.9	557.9	477.4	440.5	423.0
22.5°	4529.0	3924.6	2764.2	1863.8	1267.1	796.6	537.5	444.4	397.8	367.7	360.9
25°	5084.9	4384.4	2890.3	1769.7	1068.2	624.8	443.4	380.3	341.5	327.9	322.1
27.5°	5578.8	4824.9	3029.0	1672.7	925.6	553.0	411.4	348.3	317.3	306.6	297.9
30°	6004.7	5224.7	3096.0	1544.6	811.1	506.5	417.2	372.6	331.8	299.8	285.2
32.5°	6359.8	5531.3	3139.6	1428.2	714.1	414.3	329.9	288.2	269.7	258.1	248.4
35°	6804.2	5863.1	3113.5	1362.2	664.6	377.4	300.8	248.4	217.3	194.0	184.3
37.5°	7269.9	6194.9	3067.9	1307.9	642.3	350.3	286.2	235.8	201.8	177.6	164.9
40°	7752.1	6502.4	3014.5	1257.4	621.9	332.8	277.5	225.1	191.1	164.9	151.4
42.5°	8193.5	6802.2	2993.1	1224.4	588.9	335.7	270.7	220.2	180.5	153.3	141.7
45°	8550.6	7086.5	3022.2	1207.0	553.0	330.8	272.6	214.4	171.7	145.5	133.9
47.5°	8931.9	7488.2	3116.4	1189.5	518.1	307.6	287.2	213.4	167.8	140.7	128.1
50°	9375.3	8002.4	3331.8	1146.8	475.4	282.3	305.6	212.5	163.0	134.9	122.2
52.5°	9966.1	8586.5	3553.9	1072.1	413.3	258.1	292.0	209.6	153.3	128.1	115.5
55°	10496.9	9201.6	3742.2	983.8	334.7	223.2	262.9	197.0	136.8	116.4	104.8
57.5°	10716.1	9549.0	3736.3	861.6	267.8	196.0	216.4	180.5	119.3	102.8	93.1
59°	10635.6	9505.3	3611.2	771.3	244.5	181.4	179.5	178.5	111.6	93.1	85.4
60°	10522.1	9346.2	3476.3	726.7	229.9	171.7	164.9	176.6	104.8	87.3	79.6
62.5°	10087.4	8686.4	3029.0	651.0	210.5	145.5	132.0	149.4	93.1	75.7	68.9
65°	9457.7	7672.5	2564.3	629.7	204.7	120.3	109.6	106.7	79.6	64.0	58.2
67.5°	8229.4	6492.7	2077.3	615.1	206.7	100.9	96.1	80.5	66.0	53.4	49.5
70°	6588.8	5062.6	1700.8	598.6	208.6	82.5	80.5	64.0	53.4	44.6	40.7
72.5°	4003.1	3000.9	1338.9	520.0	202.8	66.0	71.8	48.5	38.8	32.0	30.1
75°	2475.0	2054.0	830.5	404.6	133.9	48.5	50.5	30.1	26.2	20.4	20.4
77.5°	1434.0	1297.2	296.9	145.5	59.2	29.1	22.3	15.5	14.6	8.7	8.7
80°	594.7	476.4	102.8	49.5	32.0	13.6	4.9	1.0	0.0	0.0	0.0
82.5°	173.7	154.3	28.1	22.3	9.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0
2.5°	3452.1	3420.0	3405.5	3455.0	3409.4	3467.6	3423.0	3442.4	3499.6	3524.8	3589.8
5°	2583.7	2550.7	2535.2	2609.9	2606.0	2642.9	2639.0	2673.0	2702.1	2637.1	2704.0
7.5°	1799.8	1777.5	1814.3	1872.5	1934.6	1914.3	1914.3	1868.7	1884.2	1874.5	1871.6
10°	1369.0	1292.3	1272.9	1271.0	1294.3	1299.1	1272.9	1209.9	1233.2	1239.9	1280.7
12.5°	1076.9	1017.8	927.5	886.8	876.1	884.8	798.5	743.2	769.4	753.9	793.6
15°	772.3	723.8	670.4	624.8	612.2	594.7	500.6	434.7	426.9	429.8	436.6
17.5°	551.1	518.1	518.1	469.6	443.4	391.0	343.5	314.4	311.4	314.4	319.2
20°	406.5	389.1	387.1	374.5	345.4	310.5	277.5	271.7	269.7	274.6	276.5
22.5°	350.3	331.8	316.3	315.3	288.2	259.0	243.5	235.8	236.7	238.7	243.5
25°	313.4	294.0	277.5	267.8	248.4	228.0	213.4	209.6	209.6	212.5	213.4
27.5°	287.2	262.9	248.4	234.8	217.3	199.9	187.3	184.3	182.4	184.3	189.2
30°	268.8	244.5	226.1	205.7	192.1	175.6	164.9	161.1	160.1	161.1	164.9
32.5°	229.9	215.4	200.8	182.4	165.9	155.2	143.6	136.8	136.8	138.7	142.6
35°	173.7	165.9	164.9	160.1	146.5	134.9	121.3	114.5	114.5	118.4	120.3
37.5°	153.3	138.7	136.8	134.9	129.0	113.5	100.9	95.1	94.1	97.0	100.9
40°	139.7	123.2	114.5	112.5	113.5	96.1	82.5	76.6	76.6	77.6	81.5
42.5°	129.0	109.6	94.1	92.2	96.1	80.5	66.9	61.1	61.1	61.1	66.0
45°	120.3	98.0	79.6	69.9	75.7	66.0	54.3	48.5	46.6	48.5	50.5
47.5°	114.5	89.3	69.9	56.3	56.3	52.4	43.7	36.9	34.9	35.9	38.8
50°	109.6	81.5	59.2	45.6	40.7	41.7	33.0	28.1	26.2	26.2	29.1
52.5°	101.9	73.7	51.4	38.8	31.0	28.1	24.3	20.4	19.4	20.4	22.3
55°	92.2	66.9	44.6	32.0	24.3	19.4	17.5	14.6	13.6	14.6	17.5
57.5°	81.5	56.3	35.9	25.2	16.5	12.6	11.6	9.7	7.8	8.7	10.7
59°	74.7	50.5	31.0	20.4	12.6	8.7	8.7	6.8	4.9	5.8	8.7
60°	71.8	46.6	26.2	17.5	10.7	6.8	6.8	4.9	2.9	3.9	6.8
62.5°	61.1	38.8	20.4	10.7	4.9	1.0	2.9	1.0	0.0	1.0	2.9
65°	51.4	31.0	13.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	1.0
67.5°	42.7	23.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	34.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	23.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	14.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P452522
 CATALOG NUMBER: GLAN-SA3C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0	4268.0
2.5°	3593.7	3732.5	3817.8	3978.9	4143.8	4270.9	4430.0	4572.7	4631.9	4662.9
5°	2771.9	2965.0	3129.0	3374.4	3602.4	3879.9	4161.3	4493.1	4620.2	4653.2
7.5°	1945.3	2142.3	2314.0	2598.3	2923.3	3294.9	3716.0	4137.0	4322.4	4374.7
10°	1404.9	1615.4	1825.0	2109.3	2412.9	2815.6	3254.1	3775.1	3988.6	4029.3
12.5°	886.8	1112.8	1453.4	1804.6	2125.8	2449.8	2908.7	3475.3	3711.1	3785.8
15°	514.2	683.0	940.1	1398.1	1806.6	2235.4	2736.0	3362.8	3626.7	3703.3
17.5°	344.4	402.6	579.2	929.5	1468.9	2037.5	2692.4	3455.0	3747.0	3845.0
20°	290.1	316.3	378.4	566.6	1131.3	1860.9	2704.0	3705.3	4088.5	4210.8
22.5°	255.2	279.4	319.2	407.5	789.8	1641.6	2759.3	4063.3	4558.1	4714.3
25°	225.1	249.3	284.3	337.6	530.7	1388.4	2880.6	4587.2	5180.0	5351.8
27.5°	199.9	222.2	252.3	297.9	408.5	1106.1	2988.3	5097.6	5747.6	5887.3
30°	176.6	195.0	224.1	259.0	339.6	852.8	3042.6	5543.9	6160.9	6316.2
32.5°	153.3	170.8	198.9	227.0	279.4	650.1	3004.8	5871.8	6562.6	6661.6
35°	131.0	149.4	172.7	198.9	241.6	524.9	2815.6	6240.5	6978.8	7056.4
37.5°	112.5	128.1	152.3	172.7	218.3	420.1	2586.6	6572.3	7445.5	7557.1
40°	95.1	110.6	134.9	153.3	200.8	330.8	2380.0	6941.0	7937.4	8075.2
42.5°	77.6	96.1	117.4	147.5	172.7	252.3	2129.6	7239.8	8307.1	8479.8
45°	62.1	82.5	105.8	146.5	150.4	192.1	1888.1	7472.7	8634.0	8789.3
47.5°	49.5	69.9	101.9	136.8	123.2	152.3	1750.3	7716.2	8905.7	9029.9
50°	39.8	58.2	106.7	120.3	102.8	129.0	1746.4	7987.9	9046.4	9128.8
52.5°	32.0	47.5	90.2	92.2	87.3	113.5	1851.2	8293.5	9190.0	9257.9
55°	27.2	39.8	59.2	67.9	78.6	102.8	1929.8	8764.0	9532.5	9596.5
57.5°	21.3	34.0	45.6	54.3	69.9	94.1	1940.4	9126.9	9966.1	10007.9
59°	18.4	29.1	40.7	48.5	64.0	88.3	1896.8	9149.2	9994.3	10061.2
60°	15.5	26.2	35.9	45.6	59.2	83.4	1849.2	8987.2	9889.5	9964.2
62.5°	11.6	20.4	26.2	36.9	48.5	71.8	1624.2	8421.5	9488.8	9541.2
65°	7.8	14.6	19.4	27.2	37.8	62.1	1323.4	7688.1	8869.8	8987.2
67.5°	4.9	10.7	15.5	20.4	31.0	52.4	943.1	6592.7	8003.4	8079.1
70°	2.9	6.8	11.6	16.5	24.3	41.7	559.8	5211.1	6658.7	6674.2
72.5°	1.9	4.9	7.8	11.6	19.4	37.8	271.7	3396.8	4861.8	5047.1
75°	1.0	2.9	4.9	8.7	15.5	31.0	130.0	2269.4	3537.4	3590.8
77.5°	0.0	1.0	2.9	5.8	11.6	24.3	75.7	1490.3	2412.0	2467.3
80°	0.0	0.0	1.9	4.9	8.7	15.5	45.6	879.0	1461.2	1488.3
82.5°	0.0	0.0	1.0	3.9	5.8	11.6	23.3	386.1	956.6	966.3
85°	0.0	0.0	1.0	3.9	4.9	7.8	8.7	52.4	425.0	432.7
87.5°	0.0	0.0	1.0	4.9	4.9	4.9	4.9	2.9	35.9	44.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)