

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: P324157

Luminaire Tested: **GAN-SA3B-740-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324157  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-740-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 800mA 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: 12935 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

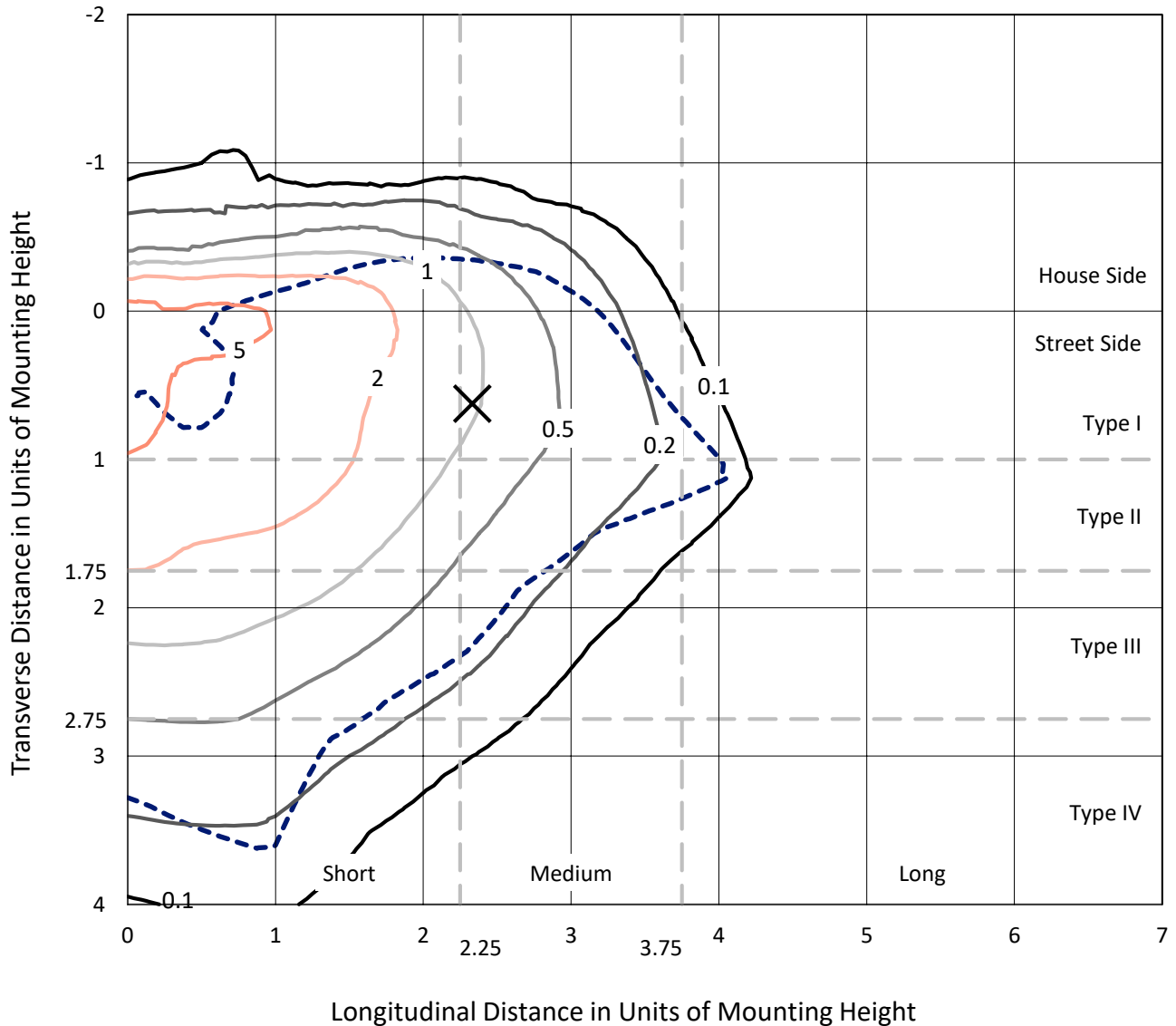
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P324157  
 CATALOG NUMBER: GAN-SA3B-740-U-SLL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

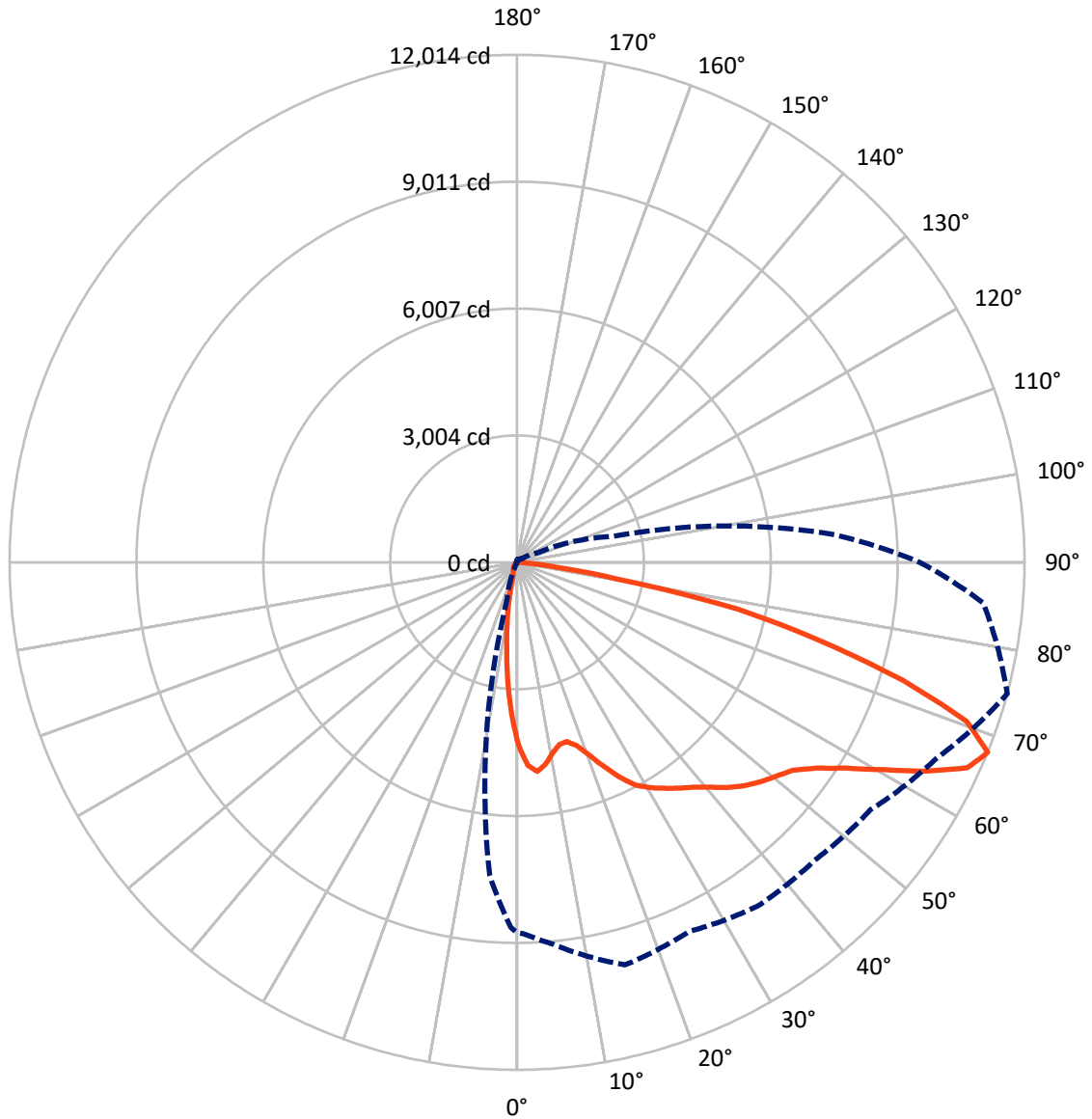
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P324157  
CATALOG NUMBER: GAN-SA3B-740-U-SLL-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P324157  
 CATALOG NUMBER: GAN-SA3B-740-U-SLL-HSS

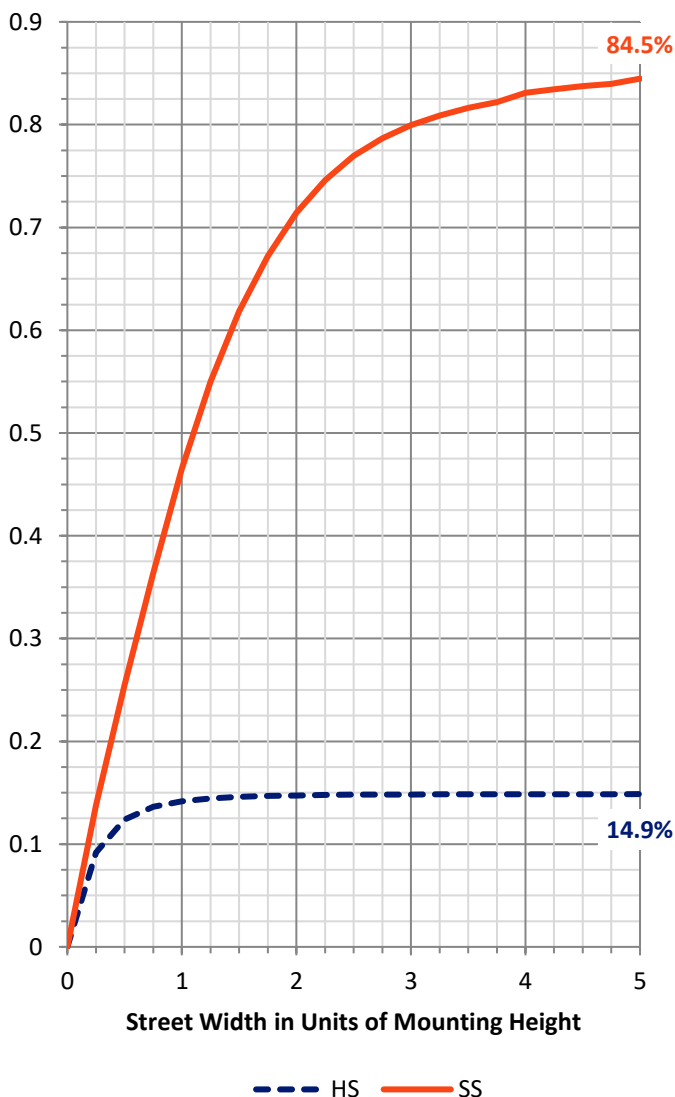
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1941.0	0.0	1941.0
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	10994.0	0.0	10994.0
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	12935.0	0.0	12935.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.2	2.5
10°-20°	648.1	5.0
20°-30°	916.9	7.1
30°-40°	1348.1	10.4
40°-50°	1937.7	15.0
50°-60°	2727.8	21.1
60°-70°	3185.8	24.6
70°-80°	1625.3	12.6
80°-90°	215.9	1.7
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°	12935.0	100.0
0°-180°	12935.0	100.0

**Coefficient of Utilization**

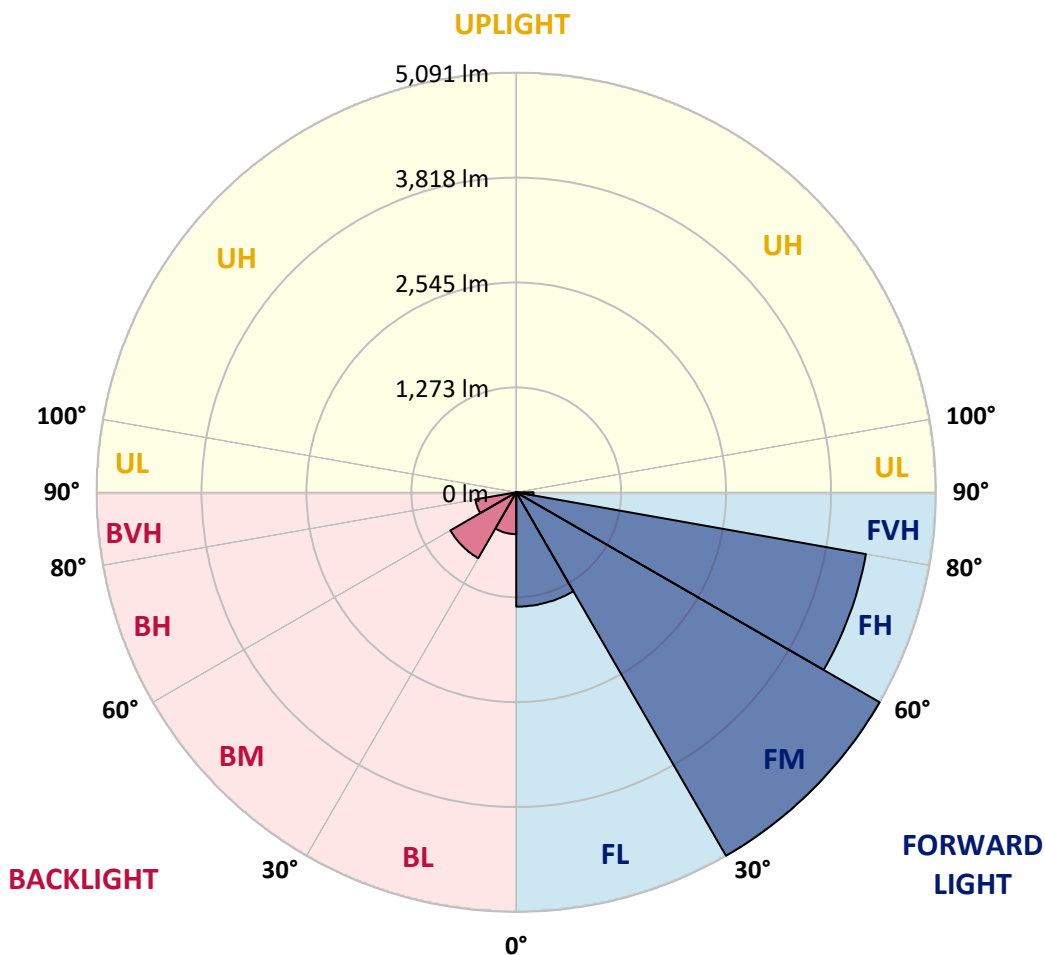


REPORT NUMBER: P324157  
 CATALOG NUMBER: GAN-SA3B-740-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.6	10.7			
FM (30°-60°)	5091.0	39.4			
FH (60°-80°)	4307.0	33.3			G2/5000
FVH (80°-90°)	209.4	1.6			G2/225
BL (0°-30°)	507.6	3.9	B2/1000		
BM (30°-60°)	922.7	7.1	B1/1000		
BH (60°-80°)	504.2	3.9	B2/1000		G2/1000
BVH (80°-90°)	6.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type III Medium





REPORT NUMBER: P324157  
 CATALOG NUMBER: GAN-SA3B-740-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5
2.5°	4704.1	4711.4	4749.4	4837.6	4933.8	4941.2	5006.1	4939.4	4916.7	4808.8	4697.3
5°	4739.6	4767.8	4898.3	5157.5	5382.4	5454.7	5506.1	5375.0	5237.1	4973.7	4692.4
7.5°	4453.4	4500.6	4705.9	5192.4	5594.4	5772.1	5805.8	5600.5	5262.9	4829.1	4406.3
10°	4087.0	4140.9	4388.5	4986.5	5538.6	5843.2	5889.7	5620.7	5135.4	4595.0	4096.8
12.5°	3790.5	3853.6	4106.6	4754.9	5346.8	5683.8	5775.7	5552.7	5025.1	4428.9	3885.4
15°	3653.8	3726.1	3992.0	4605.4	5134.2	5399.5	5475.5	5379.3	4963.9	4402.6	3836.4
17.5°	3732.2	3810.7	4085.2	4618.3	4934.4	5047.8	5109.1	5148.3	4963.9	4561.3	3979.8
20°	4053.9	4138.5	4428.9	4748.8	4769.0	4726.7	4792.3	4930.2	5021.5	4862.8	4324.2
22.5°	4498.8	4598.1	4925.9	4972.4	4688.1	4528.2	4536.8	4753.1	5126.2	5245.1	4802.1
25°	5041.1	5162.4	5495.7	5305.8	4721.8	4409.9	4406.9	4607.2	5228.6	5628.1	5334.6
27.5°	5579.7	5713.2	6006.1	5712.6	4860.9	4388.5	4382.4	4563.1	5328.4	5968.8	5916.1
30°	6031.3	6161.2	6413.6	6007.4	5011.0	4438.7	4409.3	4610.3	5387.9	6190.0	6340.1
32.5°	6398.9	6503.1	6707.1	6210.2	5171.6	4536.2	4472.4	4736.5	5489.0	6376.9	6729.8
35°	6803.3	6913.0	6994.5	6403.2	5351.7	4676.5	4585.2	4936.9	5644.6	6566.8	7156.9
37.5°	7264.7	7373.8	7364.0	6579.7	5580.3	4908.7	4850.5	5254.3	5886.7	6754.9	7633.6
40°	7716.3	7827.8	7748.2	6772.7	5848.7	5291.7	5248.8	5731.0	6210.8	6995.7	8192.4
42.5°	8139.1	8259.8	8089.5	6955.3	6168.5	5774.5	5848.1	6345.0	6616.4	7292.3	8674.0
45°	8479.8	8603.0	8375.6	7133.0	6505.5	6360.3	6581.5	7025.1	7104.2	7542.9	8999.4
47.5°	8727.3	8843.8	8574.2	7310.7	6936.9	7076.6	7462.0	7738.4	7544.7	7760.4	9230.4
50°	8885.4	8976.1	8632.4	7533.1	7503.1	7912.4	8379.3	8514.1	7959.6	7956.5	9511.1
52.5°	8985.9	9027.0	8675.3	7765.3	8093.8	8822.3	9277.6	9319.9	8386.7	8172.2	9889.1
55°	9332.1	9365.2	8979.2	8046.6	8582.1	9619.5	10090.1	10050.9	8870.1	8594.4	10335.2
57.5°	9922.8	9957.7	9607.3	8451.0	8977.4	10112.2	10678.9	10749.4	9436.9	9187.5	10813.1
60°	10219.4	10284.3	10159.3	8963.3	9360.3	10427.1	11080.3	11305.2	10145.2	9969.4	11276.4
62.5°	9950.4	10044.8	10226.1	9531.3	9740.8	10600.5	11205.3	11504.3	10870.7	10880.5	11561.9
65°	9413.6	9489.0	9796.6	9842.5	9961.4	10579.1	10896.5	11226.1	11315.0	11717.6	11546.6
67.5°	8765.3	8793.5	9054.6	9867.1	9641.6	9934.5	9968.8	10212.6	10963.9	12014.1	11082.7
70°	7832.1	7847.4	8075.4	9046.6	8285.6	8349.9	8299.0	8348.7	9425.9	11291.7	9911.8
72.5°	6303.3	6341.9	6666.1	7512.9	6036.2	5850.5	6250.0	6228.0	7259.2	9539.9	7361.5
75°	4640.9	4707.7	5197.3	6051.5	4236.5	3832.1	4123.8	4201.6	5160.6	7379.3	4603.6
77.5°	3249.4	3299.0	3773.3	4448.5	3066.2	2740.2	2634.8	2727.3	3406.3	5338.2	2319.2
80°	1871.9	1890.3	2193.0	2568.6	2066.2	2364.0	2141.5	2205.3	2041.1	2375.0	997.6
82.5°	1224.9	1227.9	1346.2	1528.8	1286.8	1495.1	1106.6	1414.8	1255.5	954.0	324.8
85°	661.8	665.4	780.6	1085.2	728.6	411.8	242.0	496.9	776.3	218.8	88.8
87.5°	72.9	66.8	235.3	394.6	202.2	37.4	12.9	55.8	124.4	14.1	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: P324157  
 CATALOG NUMBER: GAN-SA3B-740-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5
2.5°	4640.3	4589.5	4462.6	4328.4	4220.6	4119.5	4017.8	3893.4	3797.2	3777.6	3745.7
5°	4541.1	4379.9	4114.0	3846.8	3631.7	3360.3	3188.1	3053.9	2922.8	2914.8	2888.5
7.5°	4194.3	3982.2	3607.9	3238.4	2935.7	2677.1	2416.1	2241.4	2104.2	2055.8	2027.0
10°	3860.9	3622.6	3155.0	2733.5	2463.2	2234.7	2050.9	1868.3	1702.8	1588.9	1537.4
12.5°	3628.1	3364.6	2849.3	2485.9	2292.3	2075.4	1851.1	1623.2	1432.6	1295.3	1211.4
15°	3538.0	3256.7	2746.9	2387.9	2148.9	1874.4	1587.6	1327.2	1115.8	991.4	916.1
17.5°	3645.2	3318.0	2739.0	2268.4	1934.4	1593.1	1276.4	968.8	769.6	675.2	626.8
20°	3917.3	3512.9	2735.9	2121.9	1679.5	1259.8	864.6	637.3	516.5	463.8	441.2
22.5°	4302.1	3761.7	2760.4	1977.3	1414.2	900.1	596.8	468.1	406.3	378.1	365.2
25°	4797.2	4110.9	2829.7	1846.2	1164.8	671.6	465.1	392.2	348.7	326.6	317.4
27.5°	5324.8	4512.9	2937.5	1732.2	962.0	535.5	398.3	335.8	304.5	289.2	280.6
30°	5759.8	4978.6	3046.6	1605.4	815.0	466.9	364.6	306.4	270.2	260.4	252.5
32.5°	6140.3	5330.9	3123.8	1490.8	718.8	414.8	329.7	273.9	249.4	230.4	221.8
35°	6534.3	5624.4	3121.3	1410.5	652.6	375.6	300.2	245.1	215.7	193.6	186.9
37.5°	6960.8	5955.9	3068.0	1341.9	623.8	344.4	283.7	229.8	200.4	178.3	169.7
40°	7460.2	6303.9	3013.5	1277.6	615.8	319.2	272.1	217.5	186.3	164.8	156.3
42.5°	7946.7	6617.7	2965.7	1229.8	581.5	318.6	261.6	208.3	175.2	154.4	144.6
45°	8335.8	6909.9	2956.5	1201.0	545.3	329.7	256.1	202.2	166.7	145.8	136.6
47.5°	8659.3	7227.3	3015.3	1180.8	511.0	300.9	269.6	197.9	158.7	138.5	128.1
50°	9044.1	7617.1	3153.8	1147.7	474.9	270.8	308.8	199.1	152.0	131.1	120.1
52.5°	9580.9	8156.3	3357.2	1091.9	425.2	243.3	303.9	200.4	144.6	123.2	112.1
55°	10182.6	8829.7	3576.0	999.4	356.0	207.1	260.4	191.8	130.5	114.6	104.2
57.5°	10815.0	9440.6	3705.9	889.1	283.1	178.9	208.3	174.6	115.2	102.9	96.2
60°	10914.2	9672.8	3646.5	753.7	224.9	155.6	154.4	177.7	102.9	90.7	85.8
62.5°	10667.3	9381.2	3359.1	633.0	188.1	136.6	126.8	155.0	93.1	80.9	76.0
65°	10192.4	8592.5	2893.4	570.5	174.6	117.0	105.4	109.1	81.5	70.5	66.2
67.5°	9531.9	7539.8	2375.6	534.9	172.8	100.5	90.1	82.7	70.5	61.3	57.6
70°	8181.4	6281.3	1895.2	515.3	167.9	84.6	76.0	67.4	58.8	52.1	49.0
72.5°	6021.5	4451.0	1474.3	493.9	169.1	67.4	66.2	55.8	47.2	40.4	39.2
75°	3479.2	2542.9	966.9	400.1	161.2	52.1	55.1	39.2	33.1	28.2	28.2
77.5°	1854.2	1550.9	368.3	166.7	58.8	33.1	31.3	23.3	20.8	17.2	16.5
80°	808.2	682.6	110.9	46.6	32.5	17.8	11.6	10.4	9.2	7.4	6.7
82.5°	286.2	246.9	36.2	22.7	14.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	65.0	46.6	0.0	5.5	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: P324157  
 CATALOG NUMBER: GAN-SA3B-740-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5
2.5°	3680.8	3667.3	3587.6	3590.7	3604.8	3625.0	3577.2	3599.3	3658.7	3715.7	3737.1
5°	2846.2	2849.3	2800.9	2830.9	2857.9	2876.2	2799.0	2800.3	2847.4	2911.8	2945.5
7.5°	2005.5	2000.6	2003.1	2074.8	2125.6	2088.9	2117.7	2017.8	2023.9	2069.9	2035.5
10°	1490.8	1423.4	1385.4	1439.3	1495.1	1474.9	1425.2	1392.8	1415.4	1466.3	1462.6
12.5°	1171.6	1074.8	1017.8	979.2	1025.1	987.1	985.9	957.7	927.1	932.6	1014.1
15°	881.1	810.7	743.3	681.4	680.1	667.3	601.7	528.2	522.1	525.7	568.0
17.5°	606.0	582.1	554.5	501.2	487.1	433.2	369.5	340.1	325.4	332.1	346.2
20°	425.9	416.7	419.7	390.9	370.7	319.2	281.9	270.2	267.8	274.5	281.3
22.5°	352.9	336.4	334.6	321.7	301.5	264.1	243.9	237.1	234.1	240.2	245.1
25°	308.8	292.3	285.5	277.6	256.1	230.4	218.1	212.0	208.9	212.6	215.7
27.5°	272.1	256.7	250.6	245.1	224.3	205.9	196.1	190.6	188.1	189.3	192.4
30°	244.5	231.0	223.0	216.3	198.5	185.7	177.1	171.6	169.1	169.1	172.2
32.5°	215.7	208.3	201.0	192.4	175.9	167.3	158.7	152.6	150.1	150.7	153.2
35°	179.5	177.1	178.9	171.0	156.9	149.5	140.9	134.2	132.4	133.0	135.4
37.5°	159.3	148.3	155.0	150.7	142.8	133.0	121.9	115.8	112.7	114.6	115.8
40°	146.4	133.0	128.1	132.4	131.1	115.2	105.4	99.3	96.8	97.4	98.7
42.5°	135.4	119.5	108.5	107.8	115.2	100.5	90.1	84.6	81.5	81.5	82.7
45°	125.0	107.8	94.4	83.9	96.8	85.2	75.4	70.5	66.8	66.8	67.4
47.5°	117.0	98.0	82.1	68.6	72.9	69.9	61.9	57.0	53.3	53.3	53.9
50°	109.7	88.2	71.1	57.6	54.5	57.6	50.2	44.7	42.3	41.7	42.9
52.5°	101.7	78.4	60.7	49.0	42.9	43.5	39.2	35.5	32.5	32.5	33.7
55°	93.8	70.5	52.7	41.7	35.5	32.5	31.3	28.8	26.3	26.3	27.6
57.5°	85.8	61.9	44.7	34.3	28.2	25.7	25.7	23.9	22.1	22.1	23.3
60°	78.4	53.3	36.8	28.2	22.1	21.4	22.1	20.2	19.0	19.0	20.2
62.5°	69.9	45.3	30.0	23.3	17.8	17.2	19.0	17.8	16.5	16.5	17.8
65°	59.4	38.6	23.9	17.8	13.5	13.5	15.9	14.7	13.5	13.5	14.7
67.5°	50.2	32.5	18.4	12.9	9.8	10.4	13.5	12.3	11.6	11.6	12.9
70°	41.7	25.1	12.9	8.0	5.5	8.0	10.4	10.4	10.4	10.4	11.6
72.5°	31.3	17.2	7.4	3.1	2.5	5.5	8.6	9.8	9.2	9.2	11.0
75°	20.2	9.8	2.5	0.0	0.0	3.1	6.7	8.0	8.0	7.4	9.2
77.5°	11.6	3.1	0.0	0.0	0.0	0.0	4.3	3.7	3.1	2.5	4.3
80°	3.1	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: P324157  
 CATALOG NUMBER: GAN-SA3B-740-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5	4339.5
2.5°	3823.5	3895.8	3997.6	4105.4	4271.5	4403.2	4532.5	4643.4	4686.3	4704.1
5°	3026.4	3132.4	3281.3	3472.4	3772.1	4041.7	4315.0	4590.1	4709.6	4739.6
7.5°	2171.6	2307.0	2496.3	2735.9	3087.0	3436.3	3818.0	4221.8	4406.9	4453.4
10°	1607.2	1772.7	1989.6	2242.0	2577.2	2936.3	3352.3	3813.7	4025.1	4087.0
12.5°	1140.3	1364.0	1654.4	1961.4	2251.8	2572.3	2993.3	3501.8	3723.7	3790.5
15°	669.7	886.0	1229.8	1640.9	2012.9	2337.6	2765.3	3341.9	3586.4	3653.8
17.5°	384.2	492.0	751.8	1210.2	1715.1	2164.8	2693.6	3381.7	3669.7	3732.2
20°	293.5	327.8	433.2	779.4	1367.0	1995.1	2693.6	3607.2	3962.0	4053.9
22.5°	256.7	281.9	324.8	465.1	1006.1	1813.1	2724.9	3933.2	4397.1	4498.8
25°	227.9	250.6	287.4	349.9	686.3	1596.8	2799.0	4333.3	4909.3	5041.1
27.5°	204.0	225.5	258.6	306.4	469.4	1335.8	2898.9	4802.7	5474.3	5579.7
30°	182.6	202.8	232.8	266.5	362.1	1039.8	2984.1	5245.1	5917.9	6031.3
32.5°	162.4	180.8	207.7	232.8	296.6	769.0	2993.3	5595.6	6286.2	6398.9
35°	143.4	159.9	184.4	204.0	245.7	607.2	2850.5	5899.5	6654.4	6803.3
37.5°	125.0	140.9	162.4	177.1	216.3	495.1	2632.4	6238.4	7126.9	7264.7
40°	107.8	121.9	144.0	153.8	204.7	380.5	2395.2	6593.8	7590.1	7716.3
42.5°	91.9	105.4	126.8	145.8	179.5	284.3	2139.1	6927.1	8006.8	8139.1
45°	76.6	90.7	112.1	154.4	148.9	212.6	1865.2	7148.3	8335.8	8479.8
47.5°	61.9	77.8	107.2	147.1	118.9	156.3	1648.3	7357.9	8585.2	8727.3
50°	49.6	65.6	120.7	131.1	97.4	119.5	1557.6	7545.4	8748.8	8885.4
52.5°	40.4	55.1	114.0	100.5	81.5	98.7	1606.6	7849.3	8900.1	8985.9
55°	33.7	43.5	68.6	69.9	69.2	83.9	1667.3	8285.6	9291.7	9332.1
57.5°	29.4	34.9	47.8	53.9	58.2	74.8	1668.5	8911.8	9897.7	9922.8
60°	25.1	30.6	39.8	43.5	50.2	66.8	1607.8	9130.5	10136.1	10219.4
62.5°	22.1	27.0	33.1	36.2	42.3	60.0	1465.7	8813.7	9808.8	9950.4
65°	19.6	24.5	27.6	30.6	37.4	53.9	1231.6	8180.2	9266.0	9413.6
67.5°	17.2	21.4	24.5	27.6	33.7	47.8	906.9	7444.3	8642.8	8765.3
70°	15.3	19.0	22.1	24.5	29.4	40.4	550.2	6316.8	7781.3	7832.1
72.5°	14.7	17.2	20.2	22.1	25.7	35.5	278.8	4642.2	6220.6	6303.3
75°	12.9	15.3	18.4	19.6	22.7	30.6	113.4	3049.0	4508.0	4640.9
77.5°	10.4	14.1	16.5	17.8	19.6	25.1	57.6	1948.5	3163.6	3249.4
80°	3.7	10.4	14.1	14.7	16.5	18.4	38.0	1066.8	1835.2	1871.9
82.5°	0.0	6.7	11.0	10.4	11.6	14.1	24.5	507.4	1211.4	1224.9
85°	0.0	3.1	8.6	6.7	4.9	9.8	8.6	110.9	635.4	661.8
87.5°	0.0	0.0	0.6	3.1	2.5	3.7	1.2	0.6	57.6	72.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)