

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: P324152

Luminaire Tested: **GAN-SA8A-740-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324152  
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-SA8A-740-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 615mA 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: 27689 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

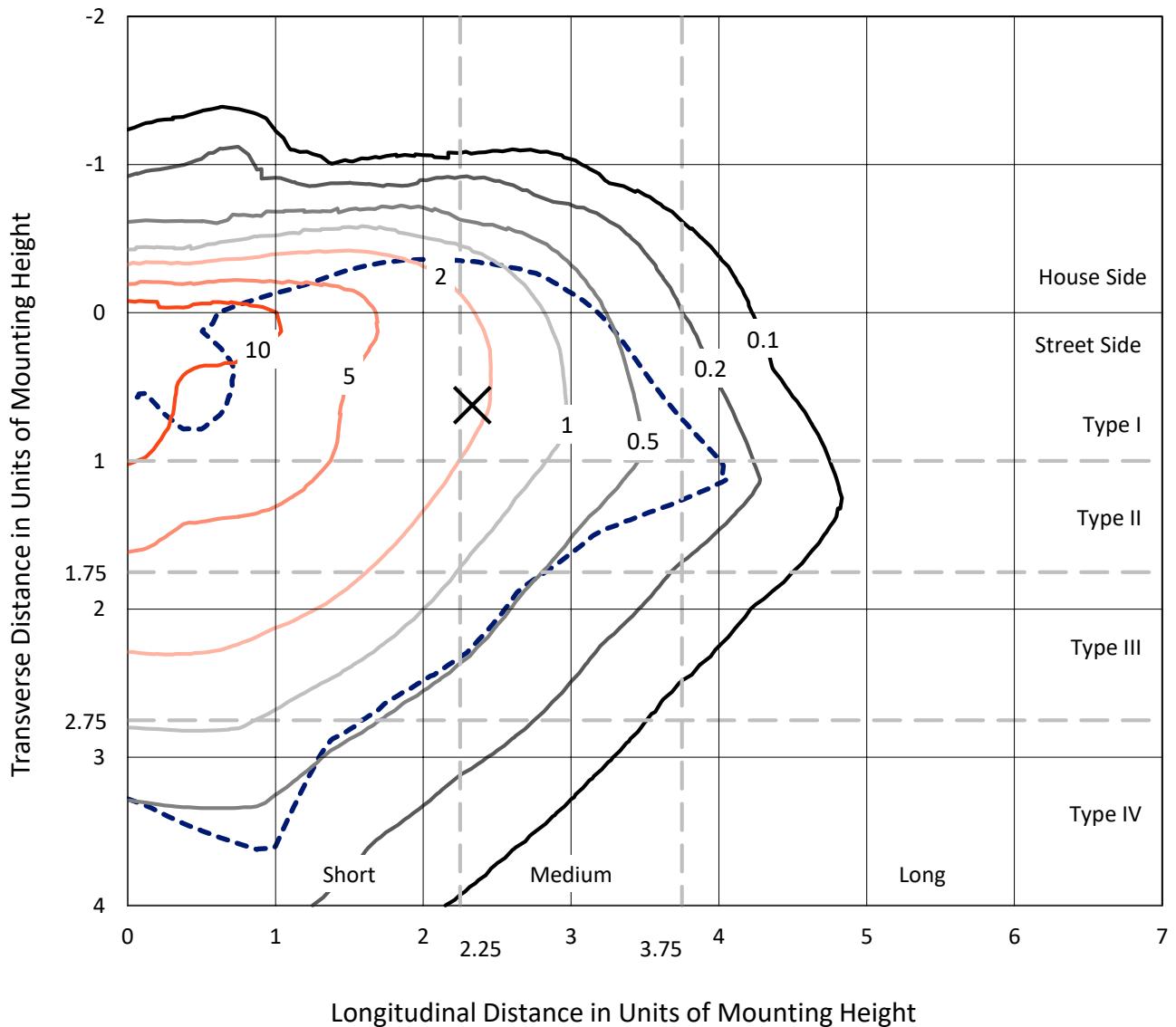
Input Watts (W): 257  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

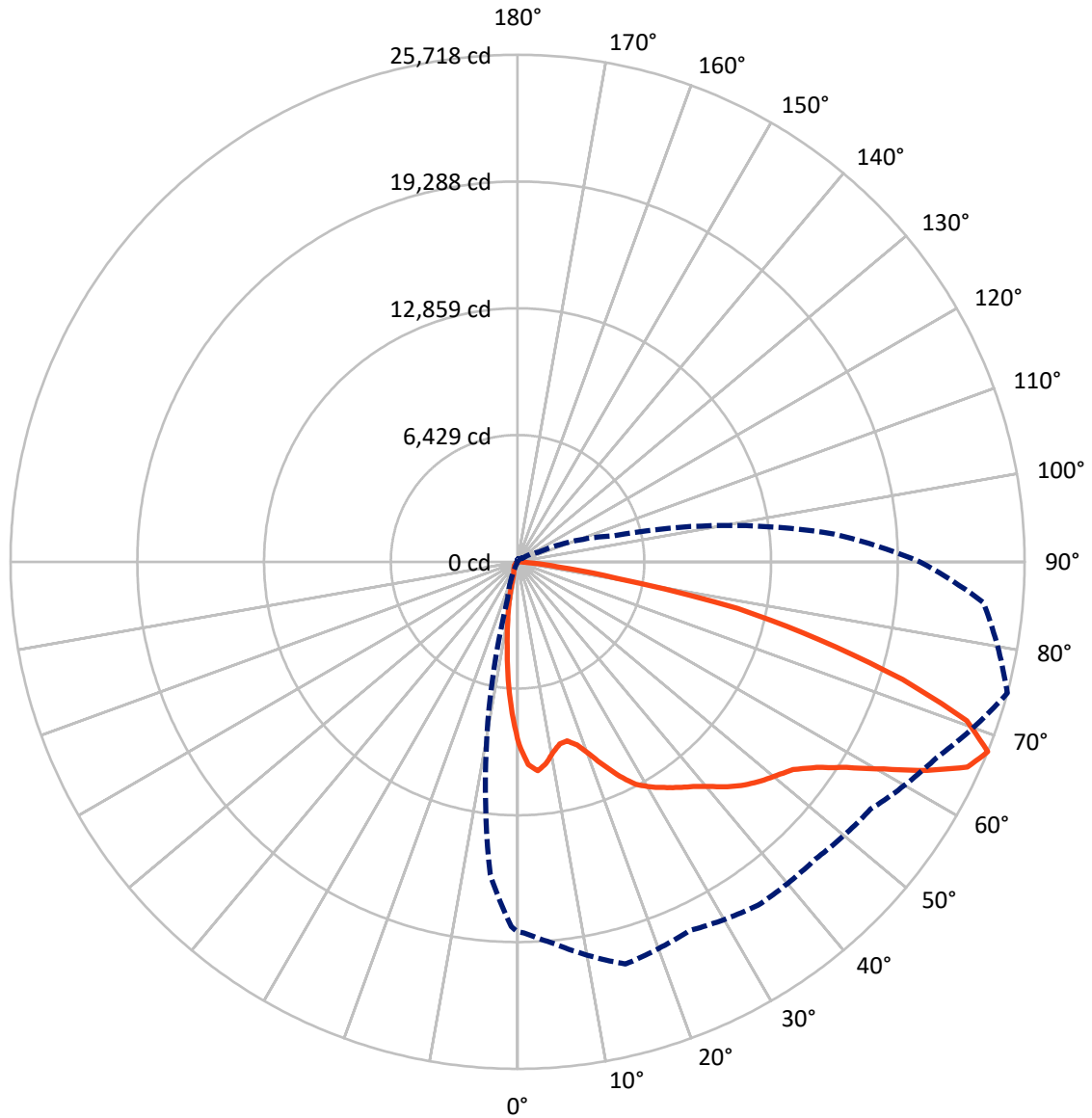
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4155.0	0.0	4155.0
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	23534.0	0.0	23534.0
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	27689.0	0.0	27689.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	704.6	2.5
10°-20°	1387.4	5.0
20°-30°	1962.8	7.1
30°-40°	2885.9	10.4
40°-50°	4148.0	15.0
50°-60°	5839.2	21.1
60°-70°	6819.7	24.6
70°-80°	3479.2	12.6
80°-90°	462.2	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°	27689.0	100.0
0°-180°	27689.0	100.0

**Coefficient of Utilization**

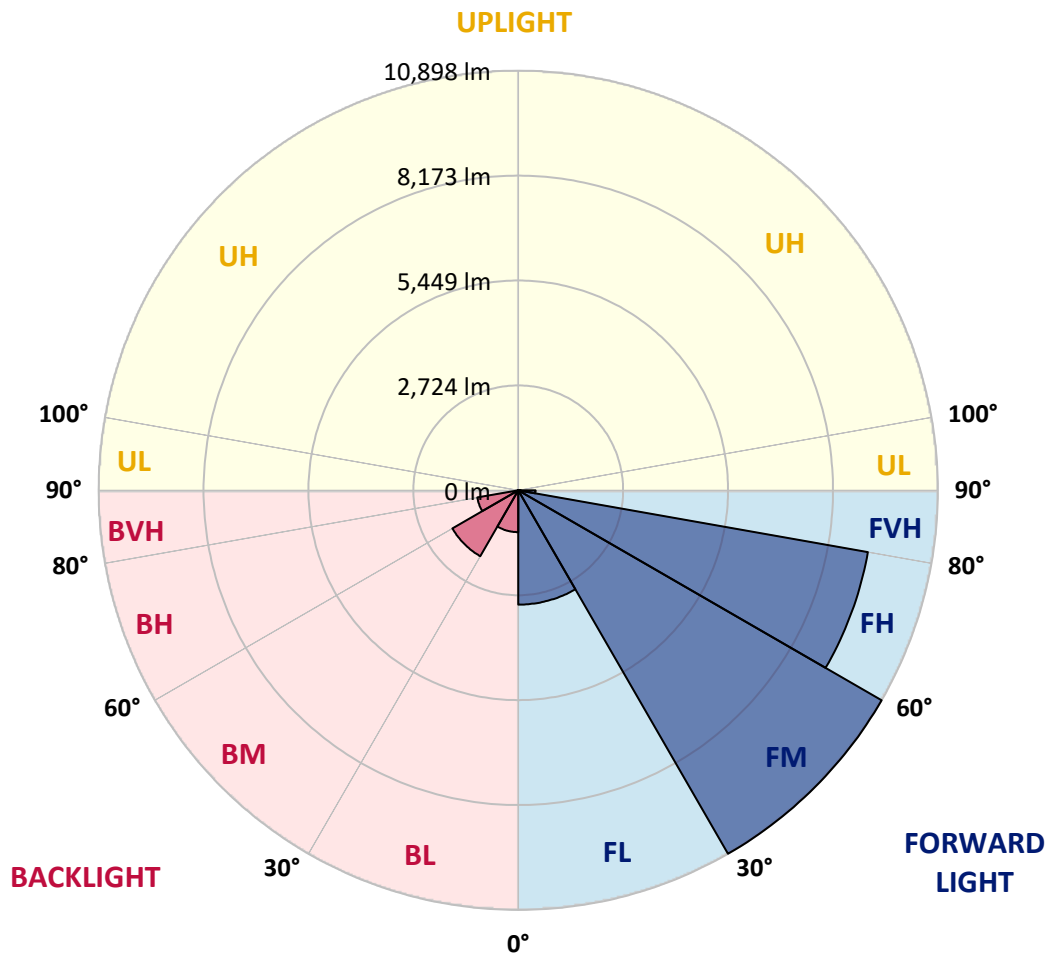


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2968.3	10.7			
FM (30°-60°)	10897.9	39.4			
FH (60°-80°)	9219.6	33.3			G4/12000
FVH (80°-90°)	448.2	1.6			G3/500
BL (0°-30°)	1086.6	3.9	B3/2500		
BM (30°-60°)	1975.2	7.1	B2/2500		
BH (60°-80°)	1079.2	3.9	B3/2500		G3/2500
BVH (80°-90°)	14.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2
2.5°	10069.6	10085.4	10166.7	10355.6	10561.5	10577.2	10716.3	10573.3	10524.8	10293.9	10055.2
5°	10145.7	10206.0	10485.4	11040.3	11521.6	11676.4	11786.6	11505.9	11210.8	10646.8	10044.7
7.5°	9533.2	9634.2	10073.6	11115.0	11975.5	12355.9	12428.0	11988.6	11265.9	10337.2	9432.2
10°	8748.8	8864.2	9394.1	10674.3	11856.1	12508.0	12607.7	12031.9	10993.0	9836.1	8769.8
12.5°	8113.9	8249.0	8790.8	10178.5	11445.6	12167.0	12363.7	11886.3	10756.9	9480.7	8317.2
15°	7821.4	7976.2	8545.5	9858.4	10990.4	11558.4	11721.0	11515.1	10625.8	9424.3	8212.3
17.5°	7989.3	8157.2	8744.8	9886.0	10562.8	10805.5	10936.6	11020.6	10625.8	9764.0	8519.2
20°	8678.0	8859.0	9480.7	10165.4	10208.7	10118.2	10258.5	10553.6	10749.1	10409.3	9256.4
22.5°	9630.2	9842.7	10544.4	10644.1	10035.5	9693.2	9711.5	10174.6	10973.4	11227.8	10279.5
25°	10791.0	11050.7	11764.3	11357.7	10107.7	9440.0	9433.5	9862.4	11192.4	12047.6	11419.3
27.5°	11944.0	12229.9	12856.9	12228.6	10405.4	9394.1	9381.0	9767.9	11406.2	12776.9	12664.1
30°	12910.7	13188.8	13729.2	12859.5	10726.8	9501.7	9438.7	9868.9	11533.4	13250.4	13571.8
32.5°	13697.7	13920.7	14357.4	13293.7	11070.4	9710.2	9573.8	10139.1	11749.9	13650.5	14406.0
35°	14563.4	14798.2	14972.6	13706.9	11456.1	10010.6	9815.2	10568.1	12083.0	14057.1	15320.2
37.5°	15551.1	15784.5	15763.5	14084.6	11945.3	10507.7	10383.1	11247.5	12601.1	14459.8	16340.7
40°	16517.8	16756.5	16586.0	14497.8	12519.8	11327.5	11235.7	12268.0	13295.0	14975.2	17536.9
42.5°	17422.8	17681.2	17316.6	14888.7	13204.5	12361.1	12518.5	13582.3	14163.3	15610.1	18567.9
45°	18152.1	18415.7	17929.1	15269.1	13925.9	13615.0	14088.6	15038.2	15207.4	16146.6	19264.4
47.5°	18682.0	18931.2	18354.1	15649.4	14849.3	15148.4	15973.4	16565.0	16150.5	16612.2	19758.9
50°	19020.4	19214.5	18478.7	16125.6	16061.3	16937.5	17937.0	18225.5	17038.5	17031.9	20359.6
52.5°	19235.5	19323.4	18570.5	16622.7	17325.7	18885.3	19859.9	19950.4	17952.7	17493.6	21168.9
55°	19976.6	20047.4	19221.1	17224.7	18371.1	20591.8	21599.1	21515.2	18987.6	18397.4	22123.8
57.5°	21241.0	21315.8	20565.5	18090.4	19217.2	21646.3	22859.6	23010.5	20200.9	19667.1	23146.9
60°	21875.9	22014.9	21747.3	19187.0	20036.9	22320.5	23718.8	24200.2	21717.2	21340.7	24138.5
62.5°	21300.1	21502.1	21890.3	20402.9	20851.5	22691.7	23986.4	24626.4	23270.2	23291.2	24749.7
65°	20151.1	20312.4	20970.8	21069.2	21323.7	22645.8	23325.3	24030.9	24221.1	25082.9	24716.9
67.5°	18763.3	18823.7	19382.4	21121.7	20639.0	21266.0	21339.4	21861.5	23469.6	25717.7	23724.0
70°	16765.7	16798.4	17286.4	19365.4	17736.3	17874.0	17765.1	17871.4	20177.3	24171.3	21217.4
72.5°	13493.1	13575.7	14269.6	16082.3	12921.2	12523.7	13378.9	13331.7	15539.3	20421.3	15758.3
75°	9934.5	10077.5	11125.5	12954.0	9068.8	8203.1	8827.5	8994.1	11046.8	15796.3	9854.5
77.5°	6955.7	7062.0	8077.2	9522.7	6563.6	5865.7	5640.1	5838.2	7291.5	11427.2	4964.6
80°	4007.1	4046.5	4694.4	5498.5	4422.9	5060.4	4584.3	4720.7	4369.1	5084.0	2135.4
82.5°	2622.0	2628.6	2881.7	3272.6	2754.5	3200.5	2368.9	3028.6	2687.6	2042.3	695.2
85°	1416.6	1424.5	1671.1	2323.0	1559.6	881.4	518.1	1063.8	1661.9	468.3	190.2
87.5°	156.1	143.0	503.7	844.7	432.8	80.0	27.5	119.4	266.3	30.2	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°	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2
2.5°	9933.2	9824.3	9552.8	9265.6	9034.7	8818.3	8600.6	8334.3	8128.4	8086.4	8018.2
5°	9720.7	9375.8	8806.5	8234.6	7774.2	7193.2	6824.6	6537.3	6256.6	6239.6	6183.2
7.5°	8978.3	8524.5	7723.1	6932.1	6284.2	5730.6	5171.9	4798.1	4504.2	4400.6	4339.0
10°	8264.8	7754.5	6753.7	5851.3	5272.9	4783.6	4390.1	3999.3	3645.1	3401.1	3291.0
12.5°	7766.3	7202.3	6099.2	5321.4	4906.9	4442.6	3962.5	3474.6	3066.7	2772.9	2593.2
15°	7573.5	6971.5	5880.2	5111.5	4600.0	4012.4	3398.5	2841.1	2388.5	2122.3	1960.9
17.5°	7803.1	7102.6	5863.1	4855.8	4140.9	3410.3	2732.2	2073.7	1647.4	1445.5	1341.8
20°	8385.5	7519.8	5856.6	4542.3	3595.3	2696.8	1850.8	1364.1	1105.7	992.9	944.4
22.5°	9209.2	8052.3	5909.0	4232.7	3027.3	1926.8	1277.6	1002.1	869.6	809.3	781.8
25°	10269.0	8799.9	6057.3	3952.0	2493.5	1437.6	995.6	839.5	746.3	699.1	679.4
27.5°	11398.3	9660.4	6288.1	3708.1	2059.3	1146.4	852.6	718.8	651.9	619.1	600.7
30°	12329.6	10657.2	6521.6	3436.6	1744.5	999.5	780.4	655.8	578.4	557.5	540.4
32.5°	13144.2	11411.5	6686.8	3191.3	1538.6	888.0	705.7	586.3	533.8	493.2	474.8
35°	13987.6	12039.7	6681.6	3019.4	1396.9	804.0	642.7	524.7	461.7	414.5	400.1
37.5°	14900.5	12749.3	6567.5	2872.5	1335.3	737.2	607.3	491.9	428.9	381.7	363.3
40°	15969.5	13494.4	6450.8	2734.8	1318.2	683.4	582.4	465.6	398.7	352.8	334.5
42.5°	17010.9	14165.9	6348.4	2632.5	1244.8	682.1	560.1	446.0	375.1	330.5	309.6
45°	17843.8	14791.6	6328.8	2570.9	1167.4	705.7	548.3	432.8	356.8	312.2	292.5
47.5°	18536.4	15471.0	6454.7	2527.6	1093.9	644.0	577.1	423.7	339.7	296.4	274.1
50°	19360.1	16305.3	6751.1	2456.7	1016.5	579.8	661.1	426.3	325.3	280.7	257.1
52.5°	20509.1	17459.5	7186.6	2337.4	910.3	520.7	650.6	428.9	309.6	263.6	240.0
55°	21797.2	18901.0	7654.9	2139.3	762.1	443.3	557.5	410.6	279.4	245.3	223.0
57.5°	23150.8	20208.8	7932.9	1903.2	606.0	383.0	446.0	373.8	246.6	220.4	205.9
60°	23363.3	20705.9	7805.7	1613.3	481.4	333.2	330.5	380.4	220.4	194.1	183.6
62.5°	22834.7	20081.5	7190.5	1354.9	402.7	292.5	271.5	331.9	199.4	173.1	162.6
65°	21818.2	18393.4	6193.7	1221.2	373.8	250.5	225.6	233.5	174.5	150.8	141.7
67.5°	20404.2	16140.0	5085.3	1145.1	369.9	215.1	192.8	177.1	150.8	131.2	123.3
70°	17513.3	13445.8	4057.0	1103.1	359.4	181.0	162.6	144.3	125.9	111.5	104.9
72.5°	12889.7	9527.9	3155.9	1057.2	362.0	144.3	141.7	119.4	101.0	86.6	83.9
75°	7447.6	5443.4	2069.8	856.5	345.0	111.5	118.0	83.9	70.8	60.3	60.3
77.5°	3969.1	3319.8	788.3	356.8	125.9	70.8	66.9	49.8	44.6	36.7	35.4
80°	1730.1	1461.2	237.4	99.7	69.5	38.0	24.9	22.3	19.7	15.7	14.4
82.5°	612.5	528.6	77.4	48.5	30.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	139.0	99.7	0.0	11.8	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°	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2
2.5°	7879.1	7850.3	7679.8	7686.3	7716.5	7759.8	7657.5	7704.7	7831.9	7953.9	7999.8
5°	6092.7	6099.2	5995.6	6059.9	6117.6	6156.9	5991.7	5994.3	6095.3	6233.0	6305.2
7.5°	4293.1	4282.6	4287.8	4441.3	4550.2	4471.5	4533.1	4319.3	4332.4	4430.8	4357.3
10°	3191.3	3047.0	2965.7	3081.1	3200.5	3157.2	3050.9	2981.4	3029.9	3138.8	3130.9
12.5°	2507.9	2300.7	2178.7	2096.0	2194.4	2113.1	2110.5	2050.1	1984.5	1996.3	2170.8
15°	1886.2	1735.3	1591.0	1458.6	1455.9	1428.4	1288.1	1130.7	1117.5	1125.4	1215.9
17.5°	1297.2	1246.1	1187.1	1072.9	1042.8	927.3	790.9	728.0	696.5	710.9	741.1
20°	911.6	891.9	898.5	836.8	793.6	683.4	603.4	578.4	573.2	587.6	602.1
22.5°	755.5	720.1	716.2	688.6	645.3	565.3	522.0	507.6	501.1	514.2	524.7
25°	661.1	625.7	611.2	594.2	548.3	493.2	467.0	453.8	447.3	455.1	461.7
27.5°	582.4	549.6	536.5	524.7	480.1	440.7	419.7	407.9	402.7	405.3	411.9
30°	523.4	494.5	477.4	463.0	425.0	397.4	379.1	367.3	362.0	362.0	368.6
32.5°	461.7	446.0	430.2	411.9	376.4	358.1	339.7	326.6	321.4	322.7	327.9
35°	384.3	379.1	383.0	366.0	335.8	320.0	301.7	287.3	283.3	284.6	289.9
37.5°	341.0	317.4	331.9	322.7	305.6	284.6	261.0	247.9	241.3	245.3	247.9
40°	313.5	284.6	274.1	283.3	280.7	246.6	225.6	212.5	207.2	208.6	211.2
42.5°	289.9	255.8	232.2	230.9	246.6	215.1	192.8	181.0	174.5	174.5	177.1
45°	267.6	230.9	202.0	179.7	207.2	182.3	161.3	150.8	143.0	143.0	144.3
47.5°	250.5	209.9	175.8	146.9	156.1	149.5	132.5	122.0	114.1	114.1	115.4
50°	234.8	188.9	152.2	123.3	116.7	123.3	107.6	95.8	90.5	89.2	91.8
52.5°	217.7	167.9	129.9	104.9	91.8	93.1	83.9	76.1	69.5	69.5	72.1
55°	200.7	150.8	112.8	89.2	76.1	69.5	66.9	61.6	56.4	56.4	59.0
57.5°	183.6	132.5	95.8	73.5	60.3	55.1	55.1	51.2	47.2	47.2	49.8
60°	167.9	114.1	78.7	60.3	47.2	45.9	47.2	43.3	40.7	40.7	43.3
62.5°	149.5	97.1	64.3	49.8	38.0	36.7	40.7	38.0	35.4	35.4	38.0
65°	127.2	82.6	51.2	38.0	28.9	28.9	34.1	31.5	28.9	28.9	31.5
67.5°	107.6	69.5	39.3	27.5	21.0	22.3	28.9	26.2	24.9	24.9	27.5
70°	89.2	53.8	27.5	17.1	11.8	17.1	22.3	22.3	22.3	22.3	24.9
72.5°	66.9	36.7	15.7	6.6	5.2	11.8	18.4	21.0	19.7	19.7	23.6
75°	43.3	21.0	5.2	0.0	0.0	6.6	14.4	17.1	17.1	15.7	19.7
77.5°	24.9	6.6	0.0	0.0	0.0	0.0	9.2	7.9	6.6	5.2	9.2
80°	6.6	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: P324152  
 CATALOG NUMBER: GAN-SA8A-740-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2	9289.2
2.5°	8184.8	8339.5	8557.3	8788.1	9143.6	9425.6	9702.4	9939.8	10031.6	10069.6
5°	6478.3	6705.2	7023.9	7433.2	8074.6	8651.7	9236.7	9825.7	10081.4	10145.7
7.5°	4648.5	4938.4	5343.7	5856.6	6608.2	7355.8	8173.0	9037.3	9433.5	9533.2
10°	3440.5	3794.6	4259.0	4799.4	5516.8	6285.5	7176.1	8163.8	8616.3	8748.8
12.5°	2441.0	2919.8	3541.5	4198.6	4820.4	5506.4	6407.5	7496.1	7971.0	8113.9
15°	1433.6	1896.7	2632.5	3512.6	4308.8	5004.0	5919.5	7153.8	7677.2	7821.4
17.5°	822.4	1053.3	1609.4	2590.5	3671.3	4634.1	5766.1	7239.1	7855.5	7989.3
20°	628.3	701.7	927.3	1668.4	2926.3	4270.8	5766.1	7721.8	8481.2	8678.0
22.5°	549.6	603.4	695.2	995.6	2153.7	3881.2	5833.0	8419.6	9412.5	9630.2
25°	487.9	536.5	615.2	749.0	1469.1	3418.2	5991.7	9276.1	10509.0	10791.0
27.5°	436.8	482.7	553.5	655.8	1004.7	2859.4	6205.5	10280.8	11718.4	11944.0
30°	390.9	434.2	498.4	570.6	775.2	2225.9	6387.8	11227.8	12668.0	12910.7
32.5°	347.6	386.9	444.7	498.4	634.8	1646.1	6407.5	11978.1	13456.3	13697.7
35°	306.9	342.3	394.8	436.8	526.0	1299.9	6101.8	12628.7	14244.6	14563.4
37.5°	267.6	301.7	347.6	379.1	463.0	1059.8	5634.9	13354.0	15255.9	15551.1
40°	230.9	261.0	308.2	329.2	438.1	814.5	5127.3	14114.8	16247.5	16517.8
42.5°	196.7	225.6	271.5	312.2	384.3	608.6	4579.0	14828.3	17139.5	17422.8
45°	164.0	194.1	240.0	330.5	318.7	455.1	3992.7	15301.8	17843.8	18152.1
47.5°	132.5	166.6	229.5	314.8	254.5	334.5	3528.4	15750.4	18377.7	18682.0
50°	106.2	140.3	258.4	280.7	208.6	255.8	3334.2	16151.8	18727.9	19020.4
52.5°	86.6	118.0	244.0	215.1	174.5	211.2	3439.2	16802.4	19051.9	19235.5
55°	72.1	93.1	146.9	149.5	148.2	179.7	3569.0	17736.3	19890.0	19976.6
57.5°	63.0	74.8	102.3	115.4	124.6	160.0	3571.7	19076.8	21187.3	21241.0
60°	53.8	65.6	85.3	93.1	107.6	143.0	3441.8	19545.1	21697.5	21875.9
62.5°	47.2	57.7	70.8	77.4	90.5	128.5	3137.5	18866.9	20997.1	21300.1
65°	42.0	52.5	59.0	65.6	80.0	115.4	2636.4	17510.7	19834.9	20151.1
67.5°	36.7	45.9	52.5	59.0	72.1	102.3	1941.3	15935.4	18501.0	18763.3
70°	32.8	40.7	47.2	52.5	63.0	86.6	1177.9	13521.9	16656.8	16765.7
72.5°	31.5	36.7	43.3	47.2	55.1	76.1	596.8	9937.1	13316.0	13493.1
75°	27.5	32.8	39.3	42.0	48.5	65.6	242.7	6526.8	9649.9	9934.5
77.5°	22.3	30.2	35.4	38.0	42.0	53.8	123.3	4171.1	6772.1	6955.7
80°	7.9	22.3	30.2	31.5	35.4	39.3	81.3	2283.6	3928.4	4007.1
82.5°	0.0	14.4	23.6	22.3	24.9	30.2	52.5	1086.1	2593.2	2622.0
85°	0.0	6.6	18.4	14.4	10.5	21.0	18.4	237.4	1360.2	1416.6
87.5°	0.0	0.0	1.3	6.6	5.2	7.9	2.6	1.3	123.3	156.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)