

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: P324128

Luminaire Tested: **GAN-SA4C-730-U-SLL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324128  
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-SA4C-730-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 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: 19263 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

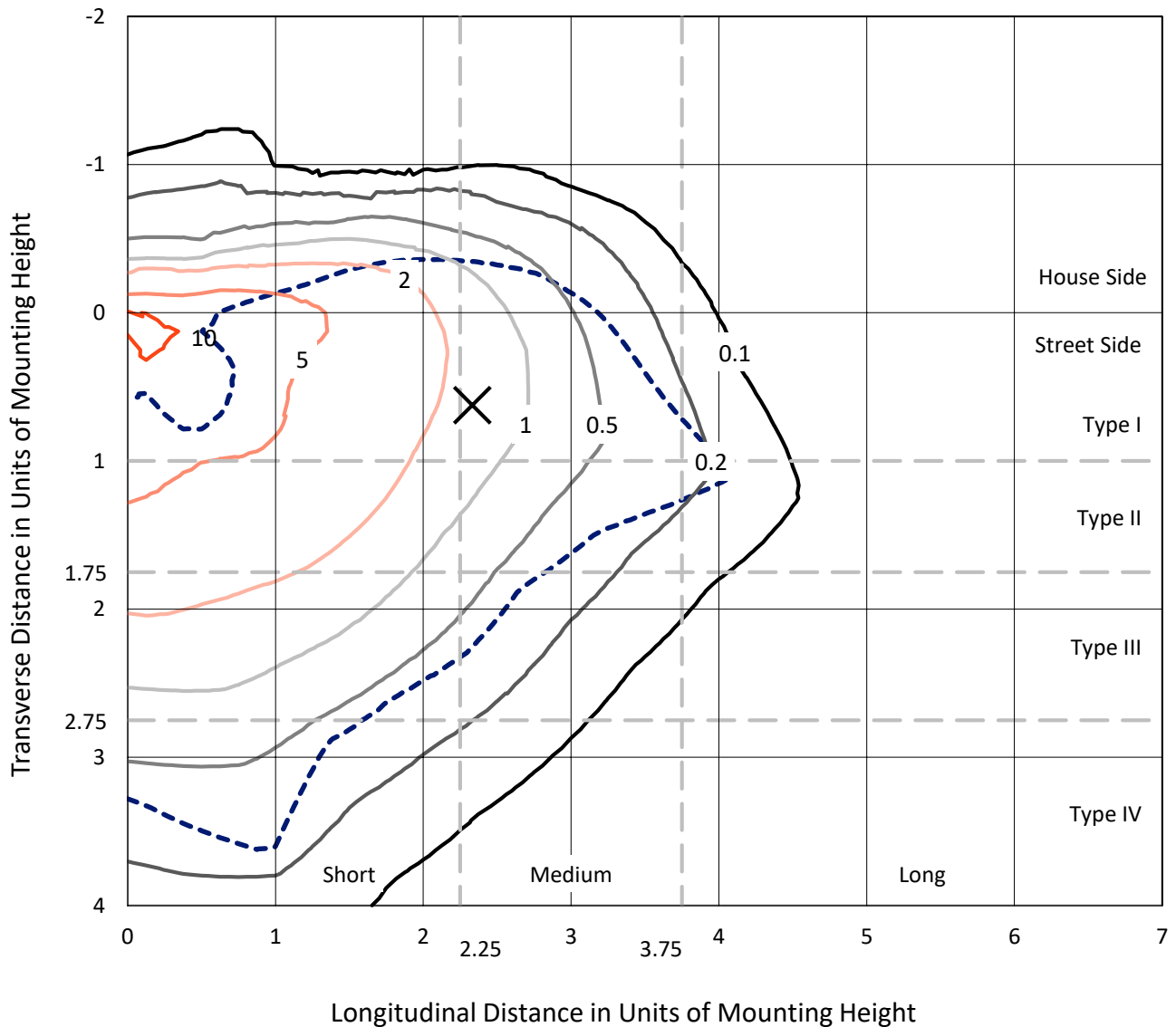
Input Watts (W): 225  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

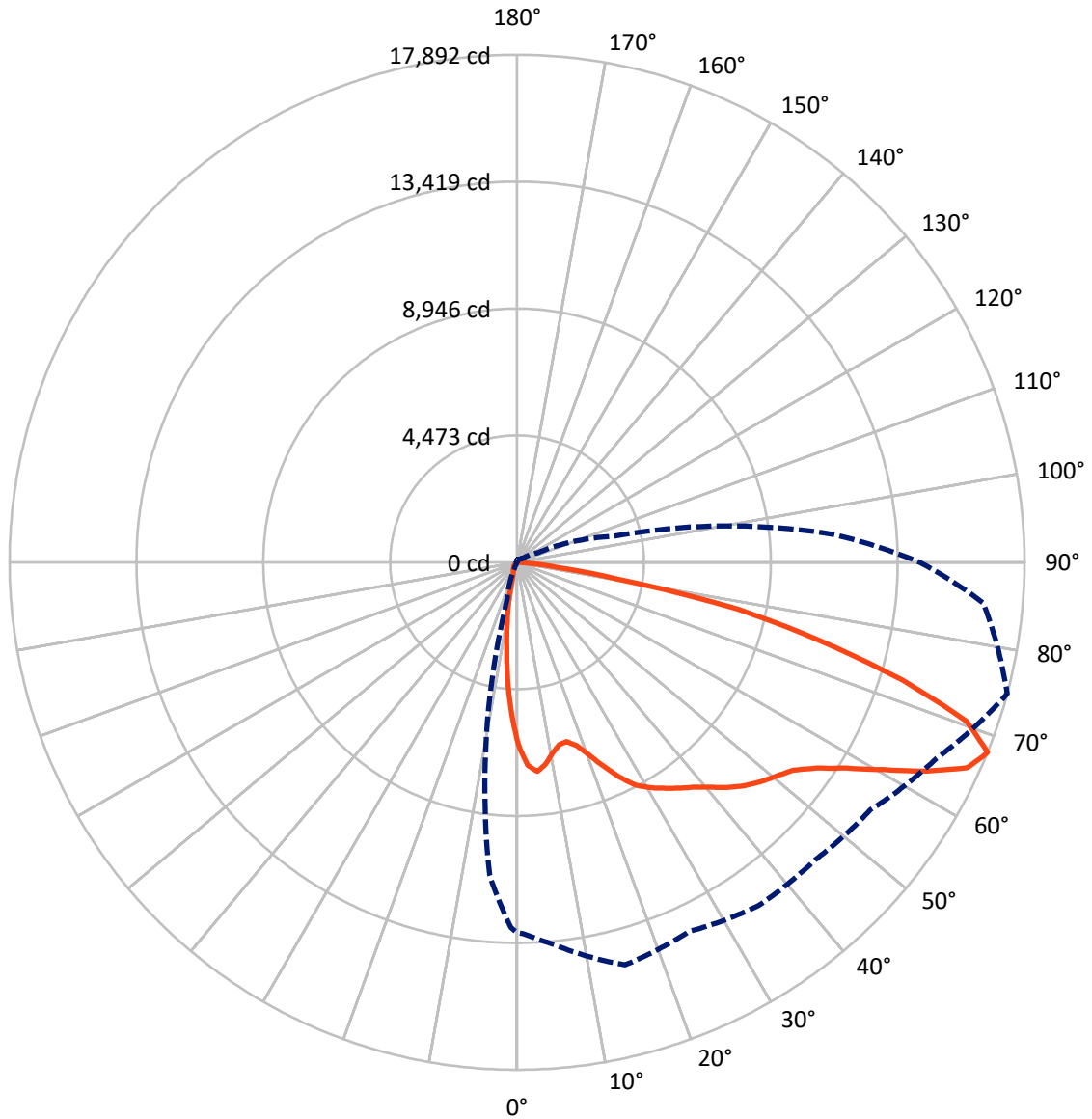
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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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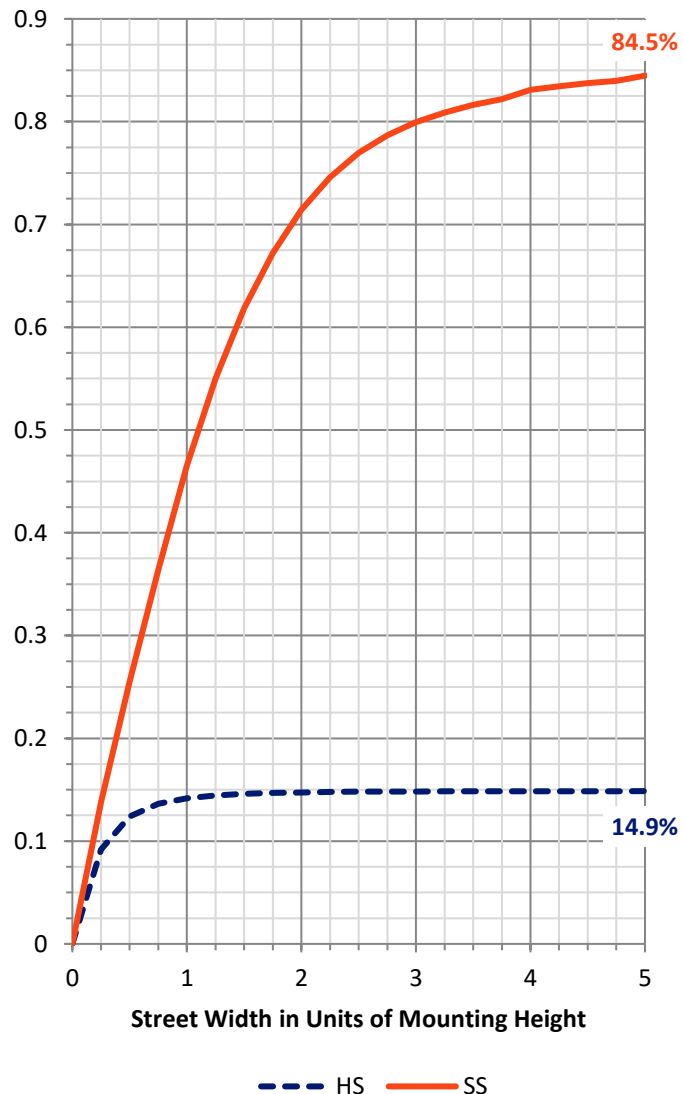
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2890.6	0.0	2890.6
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	16372.4	0.0	16372.4
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	19263.0	0.0	19263.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	490.2	2.5
10°-20°	965.2	5.0
20°-30°	1365.5	7.1
30°-40°	2007.7	10.4
40°-50°	2885.7	15.0
50°-60°	4062.3	21.1
60°-70°	4744.4	24.6
70°-80°	2420.4	12.6
80°-90°	321.5	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°	19263.0	100.0
0°-180°	19263.0	100.0

**Coefficient of Utilization**

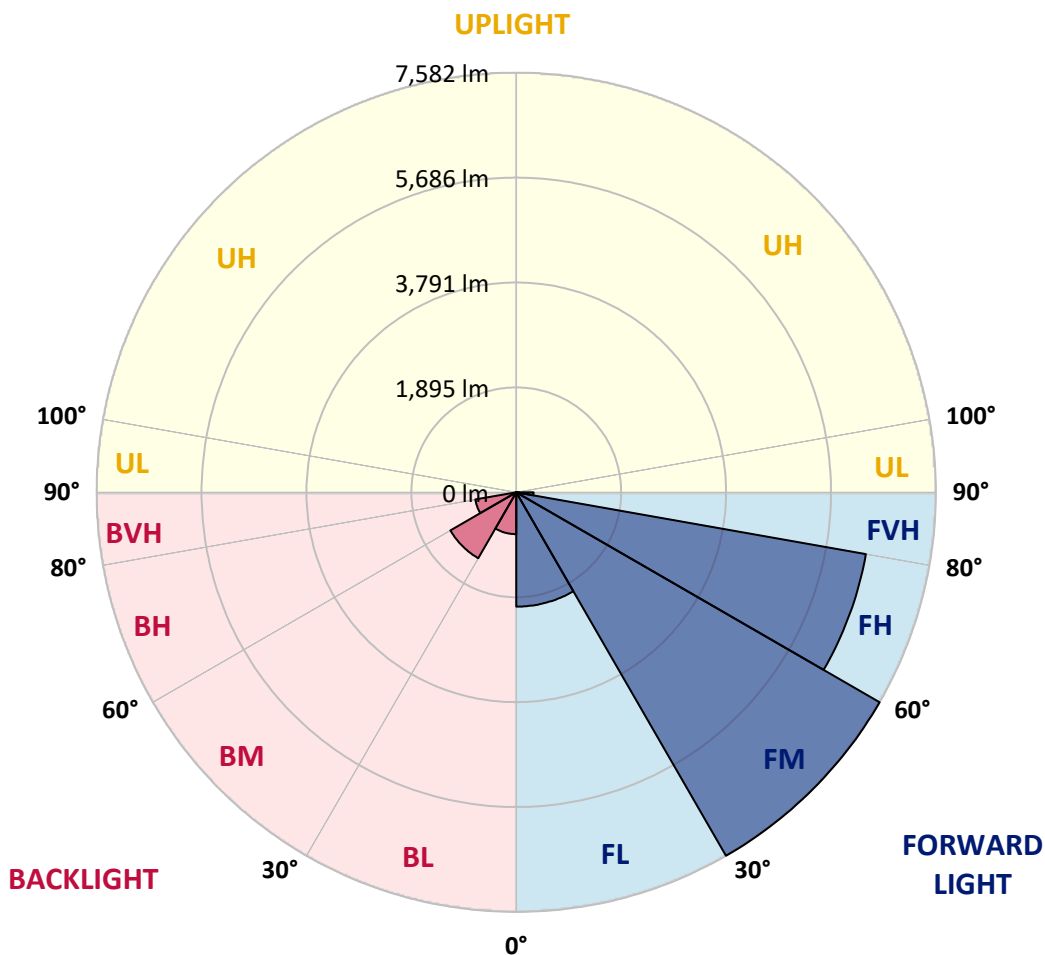


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2065.0	10.7			
FM (30°-60°)	7581.6	39.4			
FH (60°-80°)	6414.0	33.3			G3/7500
FVH (80°-90°)	311.8	1.6			G3/500
BL (0°-30°)	755.9	3.9	B2/1000		
BM (30°-60°)	1374.1	7.1	B2/2500		
BH (60°-80°)	750.8	3.9	B2/1000		G2/1000
BVH (80°-90°)	9.7	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-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4
2.5°	7005.4	7016.3	7072.9	7204.3	7347.5	7358.5	7455.2	7355.8	7322.0	7161.4	6995.3
5°	7058.3	7100.3	7294.6	7680.6	8015.5	8123.2	8199.8	8004.6	7799.2	7406.9	6988.0
7.5°	6632.1	6702.4	7008.1	7732.6	8331.2	8595.9	8646.0	8340.4	7837.6	7191.5	6561.9
10°	6086.5	6166.8	6535.4	7426.0	8248.2	8701.7	8771.1	8370.5	7647.8	6842.9	6101.1
12.5°	5644.8	5738.8	6115.7	7081.1	7962.6	8464.5	8601.3	8269.2	7483.5	6595.6	5786.2
15°	5441.3	5549.0	5945.0	6858.4	7645.9	8041.1	8154.2	8010.9	7392.3	6556.4	5713.2
17.5°	5558.1	5674.9	6083.7	6877.6	7348.5	7517.3	7608.5	7666.9	7392.3	6792.7	5926.8
20°	6037.2	6163.1	6595.6	7072.0	7102.1	7039.1	7136.8	7342.1	7478.0	7241.7	6439.6
22.5°	6699.7	6847.5	7335.7	7405.0	6981.6	6743.5	6756.2	7078.4	7634.1	7811.1	7151.4
25°	7507.2	7687.9	8184.3	7901.4	7031.8	6567.3	6562.8	6861.2	7786.5	8381.4	7944.3
27.5°	8309.3	8508.3	8944.4	8507.3	7239.0	6535.4	6526.3	6795.5	7935.2	8888.8	8810.3
30°	8981.9	9175.3	9551.3	8946.3	7462.5	6610.2	6566.4	6865.7	8023.7	9218.2	9441.8
32.5°	9529.4	9684.5	9988.4	9248.3	7701.6	6755.3	6660.4	7053.7	8174.3	9496.5	10022.1
35°	10131.6	10295.0	10416.3	9535.7	7969.9	6964.3	6828.3	7352.1	8406.1	9779.4	10658.1
37.5°	10818.7	10981.2	10966.6	9798.5	8310.2	7310.1	7223.4	7824.8	8766.5	10059.5	11368.1
40°	11491.3	11657.3	11538.7	10086.0	8709.9	7880.5	7816.6	8534.7	9249.2	10418.1	12200.3
42.5°	12120.9	12300.7	12047.0	10357.9	9186.3	8599.5	8709.0	9449.1	9853.3	10859.8	12917.5
45°	12628.2	12811.7	12473.1	10622.5	9688.1	9471.9	9801.3	10461.9	10579.7	11233.0	13402.1
47.5°	12996.9	13170.3	12768.8	10887.2	10330.5	10538.6	11112.6	11524.1	11235.8	11557.0	13746.1
50°	13232.3	13367.4	12855.5	11218.4	11173.7	11783.3	12478.6	12679.3	11853.5	11849.0	14164.0
52.5°	13382.0	13443.1	12919.3	11564.3	12053.4	13138.3	13816.3	13879.3	12489.5	12170.2	14727.0
55°	13897.6	13946.8	13371.9	11983.1	12780.6	14325.5	15026.3	14967.9	13209.5	12798.9	15391.3
57.5°	14777.2	14829.2	14307.3	12585.4	13369.2	15059.2	15903.3	16008.2	14053.6	13682.2	16103.1
60°	15218.9	15315.6	15129.4	13348.2	13939.5	15528.2	16500.9	16835.8	15108.5	14846.6	16793.0
62.5°	14818.3	14958.8	15228.9	14194.1	14506.2	15786.5	16687.1	17132.4	16188.9	16203.5	17218.2
65°	14018.9	14131.2	14589.2	14657.7	14834.7	15754.5	16227.2	16718.1	16850.4	17450.0	17195.4
67.5°	13053.5	13095.5	13484.2	14694.2	14358.4	14794.6	14845.7	15208.8	16327.6	17891.6	16504.6
70°	11663.7	11686.5	12026.0	13472.3	12339.0	12434.8	12359.1	12433.0	14037.2	16815.8	14760.8
72.5°	9387.0	9444.5	9927.2	11188.3	8989.2	8712.7	9307.6	9274.8	10810.5	14206.9	10962.9
75°	6911.4	7010.8	7739.9	9012.0	6309.1	5706.8	6141.2	6257.1	7685.2	10989.4	6855.7
77.5°	4839.0	4913.0	5619.2	6624.8	4566.2	4080.8	3923.8	4061.6	5072.7	7949.8	3453.9
80°	2787.7	2815.1	3265.9	3825.2	3077.0	3520.5	3189.2	3284.1	3039.6	3536.9	1485.6
82.5°	1824.1	1828.7	2004.8	2276.7	1916.3	2226.5	1648.0	2107.0	1869.7	1420.8	483.6
85°	985.5	991.0	1162.5	1616.1	1085.0	613.2	360.4	740.0	1156.2	325.8	132.3
87.5°	108.6	99.5	350.4	587.7	301.1	55.7	19.2	83.0	185.2	21.0	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°	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4
2.5°	6910.5	6834.7	6645.8	6446.0	6285.4	6134.8	5983.3	5798.1	5654.8	5625.6	5578.2
5°	6762.6	6522.6	6126.6	5728.7	5408.5	5004.2	4747.8	4548.0	4352.7	4340.8	4301.6
7.5°	6246.1	5930.4	5372.9	4822.6	4371.8	3986.8	3598.0	3338.0	3133.6	3061.5	3018.6
10°	5749.7	5394.8	4698.5	4070.7	3668.3	3327.9	3054.2	2782.2	2535.9	2366.1	2289.5
12.5°	5403.0	5010.6	4243.2	3702.1	3413.7	3090.7	2756.7	2417.2	2133.5	1929.0	1804.0
15°	5268.8	4850.0	4090.8	3556.1	3200.2	2791.4	2364.3	1976.5	1661.7	1476.4	1364.2
17.5°	5428.5	4941.3	4078.9	3378.1	2880.8	2372.5	1900.8	1442.7	1146.1	1005.6	933.5
20°	5833.7	5231.4	4074.4	3160.0	2501.2	1876.1	1287.6	949.0	769.2	690.8	657.0
22.5°	6406.7	5601.9	4110.9	2944.7	2106.1	1340.5	888.8	697.2	605.0	563.0	543.9
25°	7144.1	6122.0	4214.0	2749.4	1734.7	1000.1	692.6	584.0	519.2	486.4	472.7
27.5°	7929.7	6720.6	4374.6	2579.7	1432.6	797.5	593.1	500.1	453.5	430.7	417.9
30°	8577.6	7414.2	4537.0	2390.8	1213.6	695.3	542.9	456.3	402.4	387.8	376.0
32.5°	9144.3	7938.9	4652.0	2220.1	1070.4	617.8	490.9	407.9	371.4	343.1	330.3
35°	9731.0	8375.9	4648.3	2100.6	971.8	559.4	447.1	365.0	321.2	288.4	278.3
37.5°	10366.1	8869.6	4568.9	1998.4	928.9	512.8	422.5	342.2	298.4	265.5	252.8
40°	11109.8	9387.9	4487.7	1902.6	917.1	475.4	405.2	323.9	277.4	245.5	232.7
42.5°	11834.4	9855.1	4416.6	1831.4	866.0	474.5	389.6	310.3	261.0	230.0	215.4
45°	12413.8	10290.4	4402.9	1788.5	812.1	490.9	381.4	301.1	248.2	217.2	203.5
47.5°	12895.6	10763.1	4490.5	1758.4	761.0	448.0	401.5	294.7	236.3	206.2	190.7
50°	13468.7	11343.4	4696.7	1709.1	707.2	403.3	459.9	296.6	226.3	195.3	178.9
52.5°	14268.0	12146.4	4999.7	1626.1	633.3	362.3	452.6	298.4	215.4	183.4	167.0
55°	15164.1	13149.3	5325.4	1488.3	530.2	308.4	387.8	285.6	194.4	170.6	155.1
57.5°	16105.8	14059.1	5518.9	1324.1	421.6	266.5	310.3	260.1	171.6	153.3	143.3
60°	16253.7	14404.9	5430.4	1122.4	334.9	231.8	230.0	264.6	153.3	135.1	127.8
62.5°	15885.9	13970.6	5002.4	942.6	280.1	203.5	188.9	230.9	138.7	120.5	113.2
65°	15178.7	12796.1	4308.9	849.5	260.1	174.3	157.0	162.4	121.4	104.9	98.6
67.5°	14195.0	11228.5	3537.8	796.6	257.3	149.7	134.1	123.2	104.9	91.3	85.8
70°	12183.9	9354.2	2822.4	767.4	250.0	125.9	113.2	100.4	87.6	77.6	73.0
72.5°	8967.3	6628.5	2195.5	735.5	251.9	100.4	98.6	83.0	70.3	60.2	58.4
75°	5181.2	3786.9	1439.9	595.9	240.0	77.6	82.1	58.4	49.3	42.0	42.0
77.5°	2761.3	2309.6	548.4	248.2	87.6	49.3	46.5	34.7	31.0	25.6	24.6
80°	1203.6	1016.5	165.2	69.4	48.4	26.5	17.3	15.5	13.7	11.0	10.0
82.5°	426.1	367.7	53.8	33.8	21.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	96.7	69.4	0.0	8.2	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°	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4
2.5°	5481.5	5461.4	5342.8	5347.3	5368.3	5398.4	5327.2	5360.1	5448.6	5533.5	5565.4
5°	4238.6	4243.2	4171.1	4215.8	4256.0	4283.3	4168.4	4170.2	4240.4	4336.3	4386.4
7.5°	2986.7	2979.4	2983.0	3089.8	3165.5	3110.8	3153.6	3004.9	3014.0	3082.5	3031.4
10°	2220.1	2119.8	2063.2	2143.5	2226.5	2196.4	2122.5	2074.1	2107.9	2183.6	2178.2
12.5°	1744.7	1600.5	1515.7	1458.2	1526.6	1470.1	1468.2	1426.3	1380.6	1388.8	1510.2
15°	1312.2	1207.3	1106.9	1014.7	1012.9	993.7	896.1	786.6	777.5	782.9	845.9
17.5°	902.5	866.9	825.8	746.4	725.4	645.1	550.2	506.4	484.5	494.6	515.6
20°	634.2	620.5	625.1	582.2	552.1	475.4	419.8	402.4	398.8	408.8	418.8
22.5°	525.6	501.0	498.2	479.1	449.0	393.3	363.2	353.1	348.6	357.7	365.0
25°	459.9	435.3	425.2	413.4	381.4	343.1	324.9	315.7	311.2	316.6	321.2
27.5°	405.2	382.3	373.2	365.0	334.0	306.6	292.0	283.8	280.1	282.0	286.5
30°	364.1	344.0	332.2	322.1	295.7	276.5	263.7	255.5	251.9	251.9	256.4
32.5°	321.2	310.3	299.3	286.5	261.9	249.1	236.3	227.2	223.6	224.5	228.1
35°	267.4	263.7	266.5	254.6	233.6	222.7	209.9	199.8	197.1	198.0	201.7
37.5°	237.3	220.8	230.9	224.5	212.6	198.0	181.6	172.5	167.9	170.6	172.5
40°	218.1	198.0	190.7	197.1	195.3	171.6	157.0	147.8	144.2	145.1	146.9
42.5°	201.7	177.9	161.5	160.6	171.6	149.7	134.1	125.9	121.4	121.4	123.2
45°	186.2	160.6	140.5	125.0	144.2	126.8	112.2	104.9	99.5	99.5	100.4
47.5°	174.3	146.0	122.3	102.2	108.6	104.0	92.2	84.9	79.4	79.4	80.3
50°	163.3	131.4	105.9	85.8	81.2	85.8	74.8	66.6	63.0	62.1	63.9
52.5°	151.5	116.8	90.3	73.0	63.9	64.8	58.4	52.9	48.4	48.4	50.2
55°	139.6	104.9	78.5	62.1	52.9	48.4	46.5	42.9	39.2	39.2	41.1
57.5°	127.8	92.2	66.6	51.1	42.0	38.3	38.3	35.6	32.9	32.9	34.7
60°	116.8	79.4	54.8	42.0	32.9	31.9	32.9	30.1	28.3	28.3	30.1
62.5°	104.0	67.5	44.7	34.7	26.5	25.6	28.3	26.5	24.6	24.6	26.5
65°	88.5	57.5	35.6	26.5	20.1	20.1	23.7	21.9	20.1	20.1	21.9
67.5°	74.8	48.4	27.4	19.2	14.6	15.5	20.1	18.3	17.3	17.3	19.2
70°	62.1	37.4	19.2	11.9	8.2	11.9	15.5	15.5	15.5	15.5	17.3
72.5°	46.5	25.6	11.0	4.6	3.7	8.2	12.8	14.6	13.7	13.7	16.4
75°	30.1	14.6	3.7	0.0	0.0	4.6	10.0	11.9	11.9	11.0	13.7
77.5°	17.3	4.6	0.0	0.0	0.0	0.0	6.4	5.5	4.6	3.7	6.4
80°	4.6	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: P324128  
 CATALOG NUMBER: GAN-SA4C-730-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4	6462.4
2.5°	5694.1	5801.7	5953.2	6113.8	6361.1	6557.3	6749.8	6915.0	6978.9	7005.4
5°	4506.9	4664.8	4886.5	5171.2	5617.4	6018.9	6425.9	6835.6	7013.6	7058.3
7.5°	3233.9	3435.6	3717.6	4074.4	4597.2	5117.4	5685.9	6287.2	6562.8	6632.1
10°	2393.5	2639.9	2962.9	3338.9	3838.0	4372.8	4992.4	5679.5	5994.3	6086.5
12.5°	1698.2	2031.3	2463.8	2920.9	3353.5	3830.7	4457.6	5215.0	5545.3	5644.8
15°	997.4	1319.5	1831.4	2443.7	2997.6	3481.2	4118.2	4976.8	5340.9	5441.3
17.5°	572.1	732.7	1119.7	1802.2	2554.1	3223.9	4011.4	5036.2	5465.0	5558.1
20°	437.1	488.2	645.1	1160.7	2035.8	2971.1	4011.4	5372.0	5900.3	6037.2
22.5°	382.3	419.8	483.6	692.6	1498.3	2700.1	4057.9	5857.4	6548.2	6699.7
25°	339.5	373.2	428.0	521.0	1022.0	2378.0	4168.4	6453.3	7311.0	7507.2
27.5°	303.9	335.8	385.1	456.3	699.0	1989.3	4317.1	7152.3	8152.4	8309.3
30°	271.9	302.0	346.8	396.9	539.3	1548.5	4443.9	7811.1	8813.0	8981.9
32.5°	241.8	269.2	309.3	346.8	441.7	1145.2	4457.6	8333.1	9361.5	9529.4
35°	213.5	238.2	274.7	303.9	365.9	904.3	4245.0	8785.7	9909.9	10131.6
37.5°	186.2	209.9	241.8	263.7	322.1	737.3	3920.1	9290.3	10613.4	10818.7
40°	160.6	181.6	214.4	229.0	304.8	566.7	3567.0	9819.5	11303.3	11491.3
42.5°	136.9	157.0	188.9	217.2	267.4	423.4	3185.6	10315.9	11923.8	12120.9
45°	114.1	135.1	167.0	230.0	221.7	316.6	2777.7	10645.4	12413.8	12628.2
47.5°	92.2	115.9	159.7	219.0	177.0	232.7	2454.7	10957.4	12785.2	12996.9
50°	73.9	97.6	179.8	195.3	145.1	177.9	2319.6	11236.7	13028.8	13232.3
52.5°	60.2	82.1	169.7	149.7	121.4	146.9	2392.6	11689.3	13254.2	13382.0
55°	50.2	64.8	102.2	104.0	103.1	125.0	2482.9	12339.0	13837.3	13897.6
57.5°	43.8	52.0	71.2	80.3	86.7	111.3	2484.8	13271.6	14739.8	14777.2
60°	37.4	45.6	59.3	64.8	74.8	99.5	2394.4	13597.3	15094.8	15218.9
62.5°	32.9	40.2	49.3	53.8	63.0	89.4	2182.7	13125.6	14607.5	14818.3
65°	29.2	36.5	41.1	45.6	55.7	80.3	1834.1	12182.0	13799.0	14018.9
67.5°	25.6	31.9	36.5	41.1	50.2	71.2	1350.5	11086.1	12871.0	13053.5
70°	22.8	28.3	32.9	36.5	43.8	60.2	819.4	9407.1	11588.0	11663.7
72.5°	21.9	25.6	30.1	32.9	38.3	52.9	415.2	6913.2	9263.8	9387.0
75°	19.2	22.8	27.4	29.2	33.8	45.6	168.8	4540.7	6713.3	6911.4
77.5°	15.5	21.0	24.6	26.5	29.2	37.4	85.8	2901.8	4711.3	4839.0
80°	5.5	15.5	21.0	21.9	24.6	27.4	56.6	1588.7	2733.0	2787.7
82.5°	0.0	10.0	16.4	15.5	17.3	21.0	36.5	755.6	1804.0	1824.1
85°	0.0	4.6	12.8	10.0	7.3	14.6	12.8	165.2	946.3	985.5
87.5°	0.0	0.0	0.9	4.6	3.7	5.5	1.8	0.9	85.8	108.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)