

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: P324390

Luminaire Tested: **GAN-SA6A-727-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-727-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17279 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

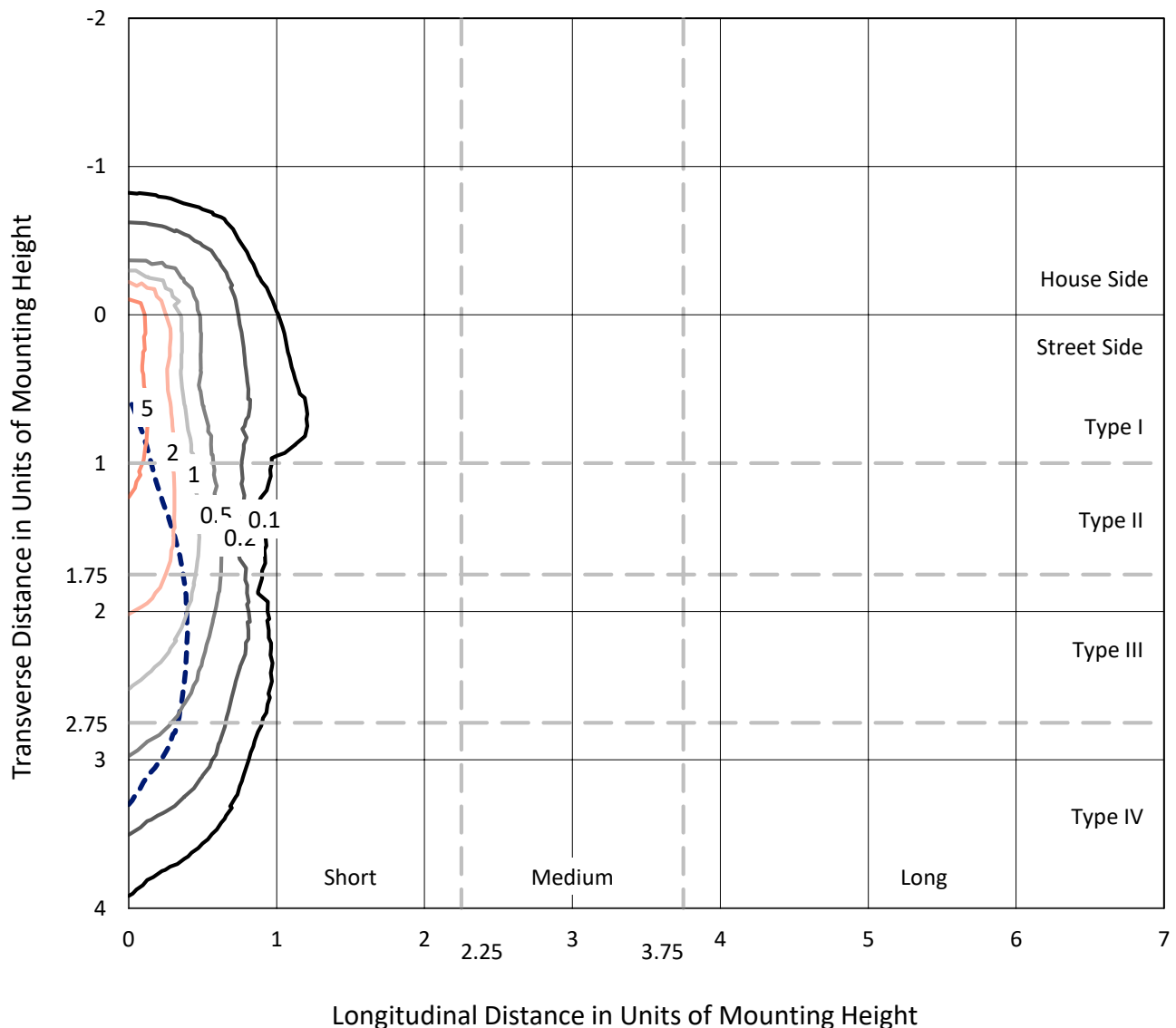
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

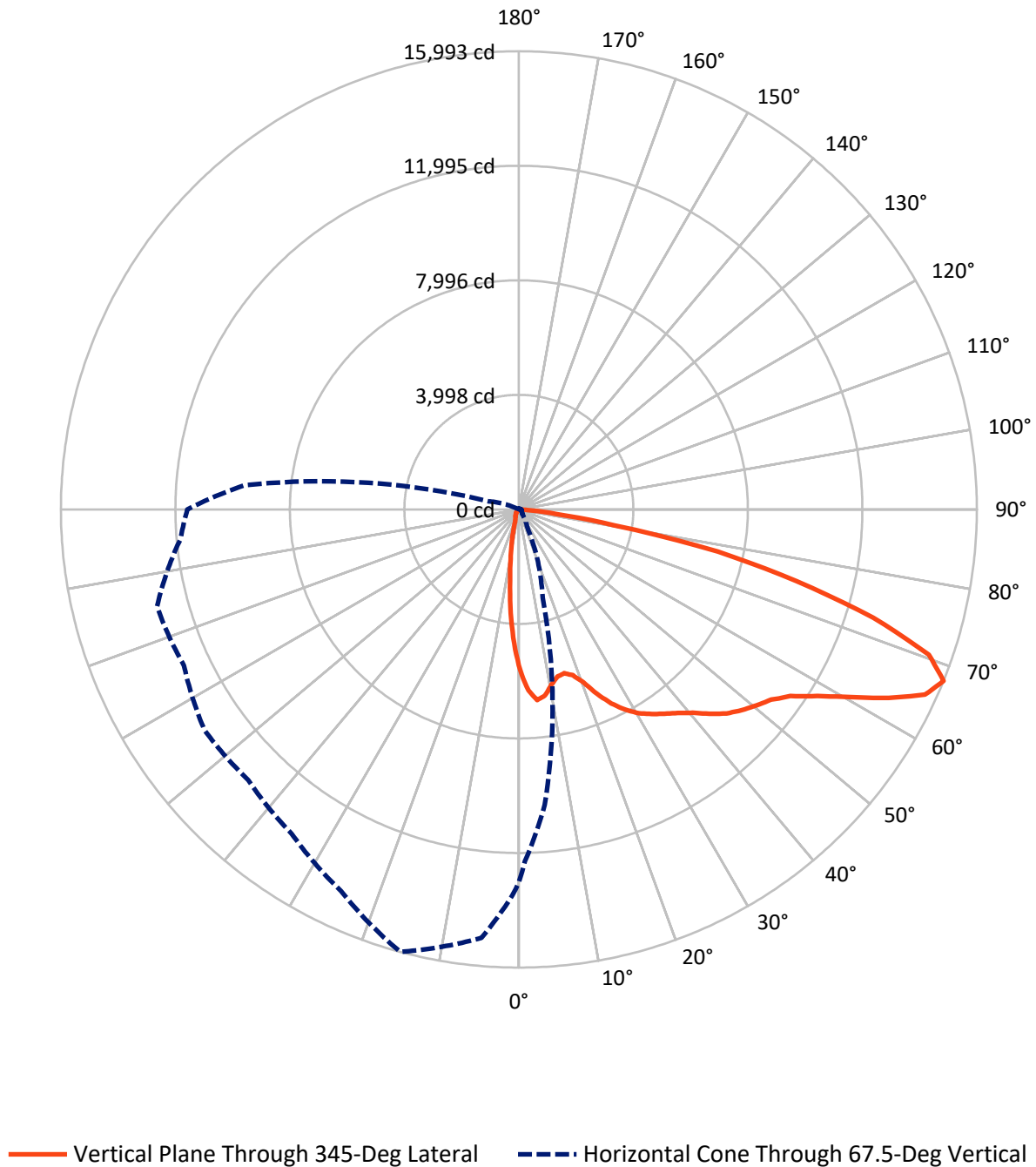
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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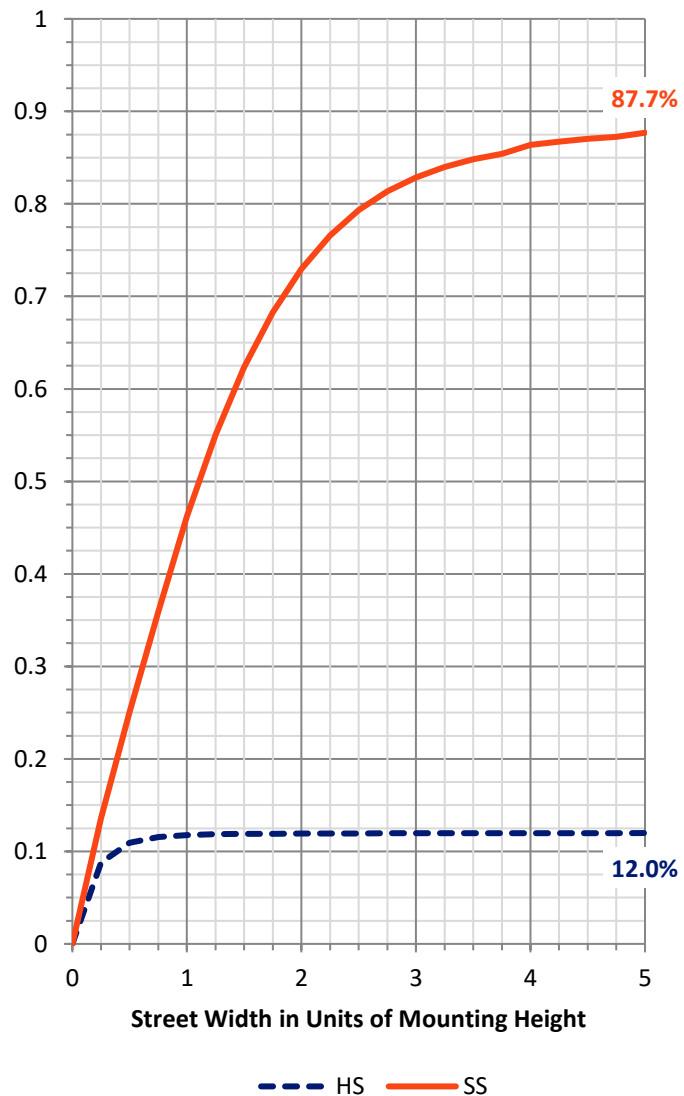
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2091.3	0.0	2091.3
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	15187.7	0.0	15187.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	17279.0	0.0	17279.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.0	2.5
10°-20°	859.9	5.0
20°-30°	1221.0	7.1
30°-40°	1803.5	10.4
40°-50°	2601.0	15.1
50°-60°	3651.3	21.1
60°-70°	4256.4	24.6
70°-80°	2176.0	12.6
80°-90°	277.9	1.6
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°	17279.0	100.0
0°-180°	17279.0	100.0

Coefficient of Utilization



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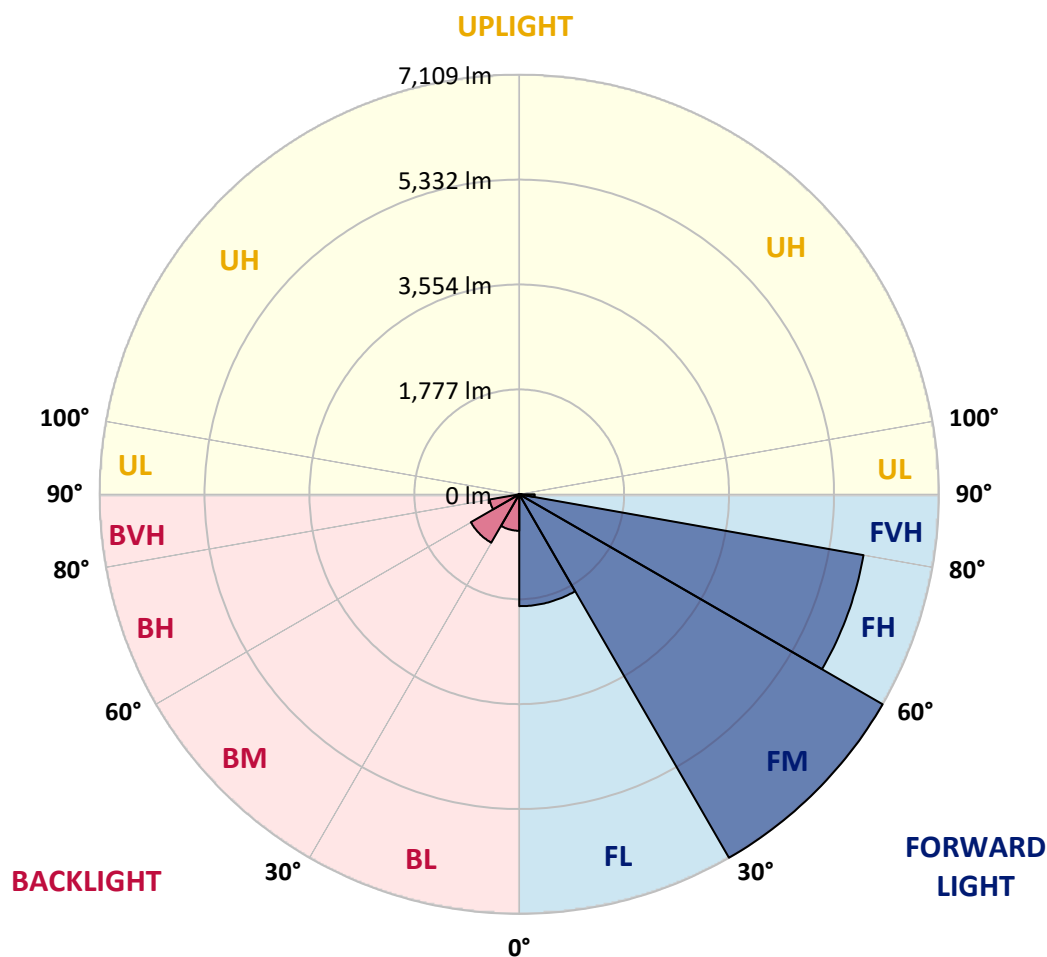
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1895.2	11.0			
FM	(30°-60°)	7108.9	41.1			
FH	(60°-80°)	5922.6	34.3			G3/7500
FVH	(80°-90°)	261.0	1.5			G3/500
BL	(0°-30°)	617.7	3.6	B2/1000		
BM	(30°-60°)	947.0	5.5	B1/1000		
BH	(60°-80°)	509.7	2.9	B2/1000		G2/1000
BVH	(80°-90°)	16.9	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-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6
2.5°	6163.1	6115.7	6063.3	5892.2	5733.4	5551.7	5403.5	5300.3	5171.0	5003.2	4960.6
5°	6118.9	6068.2	5903.6	5523.0	5189.8	4865.7	4553.0	4369.6	4142.0	3911.2	3853.9
7.5°	5674.4	5621.2	5383.8	4862.4	4413.8	3945.6	3539.6	3288.3	3031.2	2820.0	2707.9
10°	5211.9	5153.8	4887.0	4254.2	3701.6	3278.4	2980.5	2740.6	2497.5	2271.6	2091.5
12.5°	4893.5	4817.4	4527.6	3810.5	3329.2	3041.9	2763.5	2476.2	2147.2	1904.9	1706.8
15°	4760.1	4673.3	4367.2	3639.4	3197.4	2860.1	2497.5	2144.7	1759.1	1481.6	1299.9
17.5°	4863.2	4750.3	4422.0	3628.0	3032.0	2572.8	2114.4	1700.2	1281.9	1001.1	871.8
20°	5213.6	5065.4	4648.8	3624.7	2831.5	2231.5	1650.3	1182.0	844.8	679.4	611.5
22.5°	5765.3	5569.7	4974.6	3650.9	2624.4	1872.9	1191.9	803.0	634.4	548.5	508.3
25°	6431.6	6204.9	5443.6	3743.4	2442.7	1524.2	866.1	634.4	535.4	472.3	438.8
27.5°	7065.2	6881.0	6036.3	3876.8	2301.9	1242.6	703.2	537.8	457.6	415.8	388.8
30°	7698.0	7466.3	6644.5	4035.6	2132.4	1051.9	618.0	490.3	410.1	365.9	348.7
32.5°	8158.0	7965.7	7120.9	4150.2	1951.5	927.5	552.5	448.6	383.1	338.1	312.7
35°	8699.1	8481.4	7529.4	4175.6	1835.3	848.9	496.9	403.6	332.3	292.2	265.2
37.5°	9283.6	9012.6	8000.9	4119.9	1744.4	810.4	455.1	383.1	310.2	269.3	240.7
40°	9930.3	9624.1	8453.5	4039.7	1655.2	797.3	423.2	367.5	293.1	251.3	221.8
42.5°	10611.3	10250.3	8845.6	3955.4	1598.7	752.3	419.9	352.0	280.0	234.9	205.5
45°	11183.5	10817.6	9248.4	3927.6	1558.6	703.2	433.9	341.4	271.0	221.8	193.2
47.5°	11639.5	11293.2	9661.0	3989.8	1535.7	658.1	395.4	355.3	266.0	210.4	182.5
50°	12183.8	11791.7	10242.2	4175.6	1502.1	613.1	357.7	406.8	266.0	203.0	173.5
52.5°	12866.5	12478.5	10890.5	4463.8	1435.0	550.9	321.7	407.7	268.5	193.2	162.1
55°	13725.2	13443.6	11816.3	4779.7	1327.7	459.2	278.3	350.4	258.7	175.2	151.4
57.5°	14548.7	14318.7	12660.3	4995.8	1184.5	358.5	242.3	282.4	236.6	153.9	135.1
59°	14773.9	14522.5	12969.7	5005.7	1077.3	312.7	224.3	233.3	231.7	144.1	125.2
60°	14773.9	14507.0	13058.9	4953.3	999.5	287.3	212.8	207.9	241.5	137.5	119.5
62.5°	14506.2	14131.3	12769.1	4598.8	815.3	244.8	185.8	171.9	216.9	123.6	105.6
65°	13949.5	13403.5	11781.9	3957.9	726.9	224.3	160.4	140.8	150.6	108.9	92.5
67.5°	13021.3	12281.3	10358.4	3197.4	691.7	218.6	138.3	119.5	113.8	93.3	81.0
70°	11386.5	10565.5	8630.4	2513.9	661.4	216.1	116.2	100.7	91.7	78.6	68.8
72.5°	8287.4	7431.1	6127.1	1965.4	643.4	221.0	93.3	84.3	75.3	61.4	53.2
75°	4740.4	4179.7	3443.8	1298.3	548.5	211.2	72.0	70.4	54.0	44.2	36.8
77.5°	2449.2	2374.7	2063.7	498.5	262.8	92.5	47.5	40.9	31.9	27.0	22.1
80°	1056.8	1045.3	904.5	144.1	69.6	51.6	27.0	17.2	14.7	11.5	9.0
82.5°	365.1	365.1	321.7	48.3	31.1	25.4	3.3	0.0	0.0	0.0	0.0
85°	73.7	82.7	58.1	0.0	10.6	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6
2.5°	4909.1	4810.0	4803.5	4741.3	4663.5	4628.3	4607.8	4643.8	4688.0	4693.0	4759.3
5°	3810.5	3706.6	3749.9	3639.4	3661.5	3639.4	3603.4	3610.0	3629.6	3568.2	3644.3
7.5°	2676.0	2597.4	2647.3	2617.8	2657.1	2672.7	2650.6	2617.8	2521.2	2509.8	2576.1
10°	2017.0	1927.8	1874.6	1818.9	1831.2	1856.6	1848.4	1824.6	1763.2	1766.5	1830.4
12.5°	1620.8	1520.9	1415.3	1278.6	1245.1	1263.9	1245.1	1231.2	1172.2	1177.1	1233.6
15°	1229.5	1147.7	1037.1	927.5	867.7	873.4	821.0	784.2	747.4	703.2	737.5
17.5°	830.0	780.1	747.4	714.6	643.4	627.0	560.7	489.5	461.7	441.2	456.0
20°	587.7	560.7	547.6	546.0	505.1	484.6	419.9	375.7	361.8	357.7	366.7
22.5°	491.2	471.5	452.7	442.0	421.6	397.8	348.7	326.6	316.8	311.9	318.4
25°	427.3	412.6	392.9	374.9	366.7	341.4	306.2	289.8	283.2	278.3	281.6
27.5°	379.8	366.7	343.8	332.3	325.8	303.7	273.4	260.3	254.6	252.9	252.1
30°	342.2	329.9	308.6	295.5	284.0	264.4	246.4	233.3	227.6	225.9	224.3
32.5°	304.5	294.7	280.8	267.7	255.4	237.4	221.8	211.2	202.2	200.6	199.7
35°	257.0	247.2	239.8	239.0	227.6	210.4	198.9	185.0	177.6	175.2	176.0
37.5°	228.4	215.3	198.9	204.6	201.4	189.1	173.5	159.6	152.3	150.6	150.6
40°	210.4	196.5	177.6	167.8	177.6	175.2	150.6	136.7	129.3	128.5	126.9
42.5°	193.2	179.3	158.0	141.6	146.5	153.9	130.2	117.1	109.7	108.1	105.6
45°	180.9	166.2	142.4	123.6	113.8	129.3	111.3	95.0	90.9	87.6	86.0
47.5°	169.4	155.5	128.5	107.2	90.9	93.3	89.2	77.8	72.9	69.6	68.8
50°	159.6	144.9	116.2	91.7	75.3	68.8	72.0	61.4	57.3	54.0	52.4
52.5°	148.2	134.2	103.1	79.4	63.0	54.0	54.8	48.3	44.2	41.7	40.9
55°	139.2	125.2	92.5	69.6	55.7	44.2	39.3	37.7	35.2	33.6	32.7
57.5°	126.9	113.8	81.9	58.9	47.5	36.0	30.3	30.3	29.5	27.8	27.0
59°	119.5	108.1	75.3	53.2	43.4	31.1	27.0	27.8	27.0	25.4	24.6
60°	113.8	103.1	70.4	49.1	40.9	28.7	24.6	26.2	25.4	23.7	22.9
62.5°	100.7	93.3	60.6	40.9	36.0	22.9	20.5	22.1	22.1	21.3	20.5
65°	88.4	80.2	51.6	34.4	33.6	19.6	16.4	19.6	20.5	18.8	17.2
67.5°	76.9	68.8	45.0	27.8	31.1	15.6	12.3	16.4	22.1	17.2	15.6
70°	65.5	57.3	35.2	22.1	32.7	10.6	9.8	14.7	26.2	18.8	14.7
72.5°	50.8	44.2	24.6	16.4	35.2	7.4	7.4	12.3	29.5	20.5	13.9
75°	35.2	28.7	14.7	9.8	28.7	4.9	4.9	11.5	27.8	18.8	13.1
77.5°	20.5	15.6	4.9	0.8	14.7	0.0	0.8	8.2	19.6	11.5	5.7
80°	7.4	3.3	0.0	0.0	9.0	0.0	0.0	0.0	1.6	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6
2.5°	4776.5	4887.0	4986.0	5135.8	5313.4	5518.1	5694.1	5883.2	6060.8	6134.5	6185.2
5°	3659.9	3796.6	3956.2	4176.4	4469.5	4830.5	5168.6	5550.8	5961.8	6167.2	6360.4
7.5°	2587.6	2726.7	2924.8	3158.9	3513.4	3943.1	4385.2	4913.2	5469.8	5794.8	6114.8
10°	1860.6	2031.7	2216.7	2536.8	2897.0	3304.6	3759.8	4349.2	4969.6	5329.8	5715.4
12.5°	1266.4	1461.2	1741.1	2099.7	2522.9	2922.4	3317.7	3880.1	4600.5	4957.4	5370.7
15°	759.6	867.7	1164.0	1579.1	2098.0	2595.7	3028.8	3592.8	4360.6	4797.7	5227.5
17.5°	468.2	518.2	679.4	1020.0	1565.1	2194.6	2788.1	3495.4	4395.0	4927.1	5387.1
20°	373.3	392.9	444.5	602.5	1037.1	1752.6	2517.2	3475.7	4675.8	5330.6	5824.2
22.5°	324.2	343.0	377.4	437.9	652.4	1312.2	2260.1	3493.7	5078.5	5935.6	6511.9
25°	285.7	302.1	334.8	384.7	478.1	924.2	1985.1	3573.9	5603.2	6686.2	7298.5
27.5°	255.4	269.3	299.6	345.4	410.1	645.0	1673.2	3671.4	6225.4	7454.1	8058.2
30°	227.6	239.8	266.9	309.4	356.1	496.1	1331.0	3737.7	6848.3	8058.2	8600.9
32.5°	203.8	212.8	237.4	273.4	309.4	395.4	1011.8	3727.0	7310.8	8560.8	8991.4
35°	179.3	188.3	209.6	240.7	269.3	326.6	795.7	3528.1	7713.5	9082.2	9438.3
37.5°	152.3	163.7	184.2	212.0	231.7	287.3	643.4	3288.3	8122.0	9678.2	9936.8
40°	129.3	140.8	158.8	189.1	201.4	272.6	494.4	2996.0	8581.2	10344.5	10483.6
42.5°	107.2	117.9	136.7	162.9	189.9	234.9	365.9	2662.0	9022.5	10914.2	10982.2
45°	86.8	97.4	117.1	143.3	203.0	194.8	283.2	2304.3	9378.5	11388.2	11410.3
47.5°	68.8	78.6	99.0	135.1	189.1	155.5	202.2	2023.5	9677.3	11758.2	11700.1
50°	53.2	61.4	82.7	154.7	165.4	128.5	153.1	1930.2	9945.0	11987.4	11836.8
52.5°	41.7	49.1	67.9	144.9	128.5	106.4	128.5	2017.8	10311.7	12177.3	11913.7
55°	33.6	40.9	53.2	82.7	87.6	90.0	109.7	2099.7	10944.5	12622.6	12368.0
57.5°	27.8	35.2	43.4	58.1	66.3	76.1	97.4	2108.7	11690.2	13362.6	13121.9
59°	25.4	31.9	39.3	51.6	58.1	69.6	91.7	2059.6	11953.0	13631.9	13511.6
60°	23.7	30.3	36.8	47.5	54.0	65.5	88.4	2012.9	11964.5	13622.1	13677.8
62.5°	20.5	27.0	32.7	40.1	45.8	55.7	79.4	1840.2	11479.9	13176.0	13577.9
65°	18.0	23.7	29.5	34.4	39.3	49.9	72.0	1525.0	10652.3	12456.4	12894.4
67.5°	16.4	20.5	27.0	30.3	35.2	44.2	63.8	1087.1	9618.4	11576.5	11860.5
70°	14.7	19.6	24.6	27.8	31.9	38.5	54.8	624.6	8122.0	10288.0	10490.2
72.5°	13.9	18.8	22.1	26.2	28.7	34.4	49.9	293.9	5947.0	8241.5	8769.5
75°	12.3	17.2	20.5	24.6	27.0	31.1	42.6	140.8	3955.4	5964.2	6564.2
77.5°	7.4	13.9	18.8	22.1	23.7	27.0	35.2	81.0	2524.5	4128.1	4862.4
80°	0.0	4.9	13.9	18.8	20.5	22.9	27.0	63.8	1350.7	2358.3	2830.7
82.5°	0.0	0.0	9.8	14.7	13.9	15.6	20.5	40.1	609.0	1541.4	1737.0
85°	0.0	0.0	3.3	11.5	9.8	7.4	13.9	13.9	133.4	780.1	973.3
87.5°	0.0	0.0	0.0	0.8	4.9	3.3	5.7	1.6	0.8	58.1	235.8
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: P324390

CATALOG NUMBER: GAN-SA6A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6	5628.6
2.5°	6362.9	6423.4	6525.8	6574.1	6550.3	6449.6	6329.3	6206.5	6134.5	6163.1
5°	6754.2	7066.0	7246.1	7305.9	7206.0	6980.1	6684.6	6294.9	6156.6	6118.9
7.5°	6754.2	7341.1	7712.7	7778.2	7555.6	7112.7	6558.5	5950.3	5748.1	5674.4
10°	6516.8	7315.7	7833.9	7937.8	7626.8	6964.5	6222.1	5527.9	5288.1	5211.9
12.5°	6249.1	7109.4	7655.4	7798.7	7543.3	6817.2	5988.8	5242.2	4959.8	4893.5
15°	6084.6	6855.7	7307.5	7411.5	7303.4	6731.2	5933.1	5156.3	4823.9	4760.1
17.5°	6143.5	6659.2	6822.1	6882.7	6955.5	6701.0	6084.6	5344.6	4923.8	4863.2
20°	6365.3	6452.1	6367.8	6443.9	6640.4	6730.4	6445.6	5799.7	5294.6	5213.6
22.5°	6741.9	6344.9	6108.3	6138.6	6377.6	6827.8	6997.3	6449.6	5866.8	5765.3
25°	7180.6	6431.6	5964.2	5937.2	6182.8	6956.3	7501.5	7156.9	6543.8	6431.6
27.5°	7732.4	6626.5	5934.8	5907.7	6114.8	7076.7	7920.6	7856.0	7256.8	7065.2
30°	8158.0	6818.0	6022.3	5960.1	6182.8	7160.2	8257.1	8449.5	7824.9	7698.0
32.5°	8463.4	7043.9	6164.8	6074.7	6374.3	7304.2	8516.6	8993.0	8350.4	8158.0
35°	8695.8	7289.5	6394.8	6246.6	6637.9	7522.8	8759.7	9571.7	8909.5	8699.1
37.5°	8913.6	7634.1	6754.2	6577.3	7051.3	7874.8	9016.7	10228.2	9534.9	9283.6
40°	9217.3	8024.6	7308.3	7151.2	7746.3	8354.5	9337.6	10912.6	10246.2	9930.3
42.5°	9521.0	8443.7	7875.6	7918.2	8613.2	8937.3	9751.8	11636.2	10948.6	10611.3
45°	9798.5	8875.9	8683.6	8880.0	9417.8	9576.6	10163.6	12054.5	11509.3	11183.5
47.5°	10045.7	9416.2	9486.6	10009.7	10333.0	10155.4	10471.4	12415.5	11926.8	11639.5
50°	10333.0	10115.3	10545.0	11285.0	11386.5	10679.3	10751.3	12842.8	12414.7	12183.8
52.5°	10647.4	10852.0	11717.3	12369.7	12336.9	11248.2	11032.9	13321.7	13083.5	12866.5
55°	11004.3	11447.1	12749.5	13384.7	13356.9	11883.4	11499.5	13913.5	13921.7	13725.2
57.5°	11533.9	11959.6	13450.2	14205.8	14252.4	12616.9	12290.3	14576.6	14679.7	14548.7
59°	11913.7	12291.9	13727.7	14548.7	14738.7	13184.2	12868.2	14961.3	14893.4	14773.9
60°	12195.3	12503.1	13865.2	14728.0	15021.1	13568.9	13294.7	15187.2	14918.7	14773.9
62.5°	12891.9	12963.1	14113.3	14931.0	15346.0	14423.5	14494.7	15572.0	14742.7	14506.2
65°	13216.9	13253.7	14110.0	14567.6	15031.7	15089.0	15583.4	15583.4	14313.0	13949.5
67.5°	13081.0	12903.4	13410.1	13362.6	13825.9	14693.6	15992.7	15012.1	13491.1	13021.3
70°	11975.9	11292.4	11067.3	11087.8	11442.2	12780.6	15182.3	13330.7	11935.8	11386.5
72.5°	9964.7	8325.0	7769.2	8403.6	8496.1	9822.2	12938.6	10039.1	8802.3	8287.4
75°	8014.8	5868.4	4964.7	5634.3	5791.5	7188.0	10008.9	6252.4	5141.5	4740.4
77.5°	5757.9	4212.4	3562.5	3515.8	3718.8	4558.7	7102.1	3146.6	2624.4	2449.2
80°	3271.1	2772.6	2985.4	2816.8	2919.1	2850.3	3374.2	1380.1	1130.5	1056.8
82.5°	1974.4	1638.8	1774.7	1477.5	1869.7	1628.2	1299.9	442.0	383.9	365.1
85°	1284.4	895.5	466.6	312.7	644.2	1040.4	290.6	120.3	92.5	73.7
87.5°	442.9	228.4	22.9	9.8	68.8	194.0	10.6	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)