

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: P324074

Luminaire Tested: **GAN-SA0A-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324074
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-SA0A-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 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: 28598 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

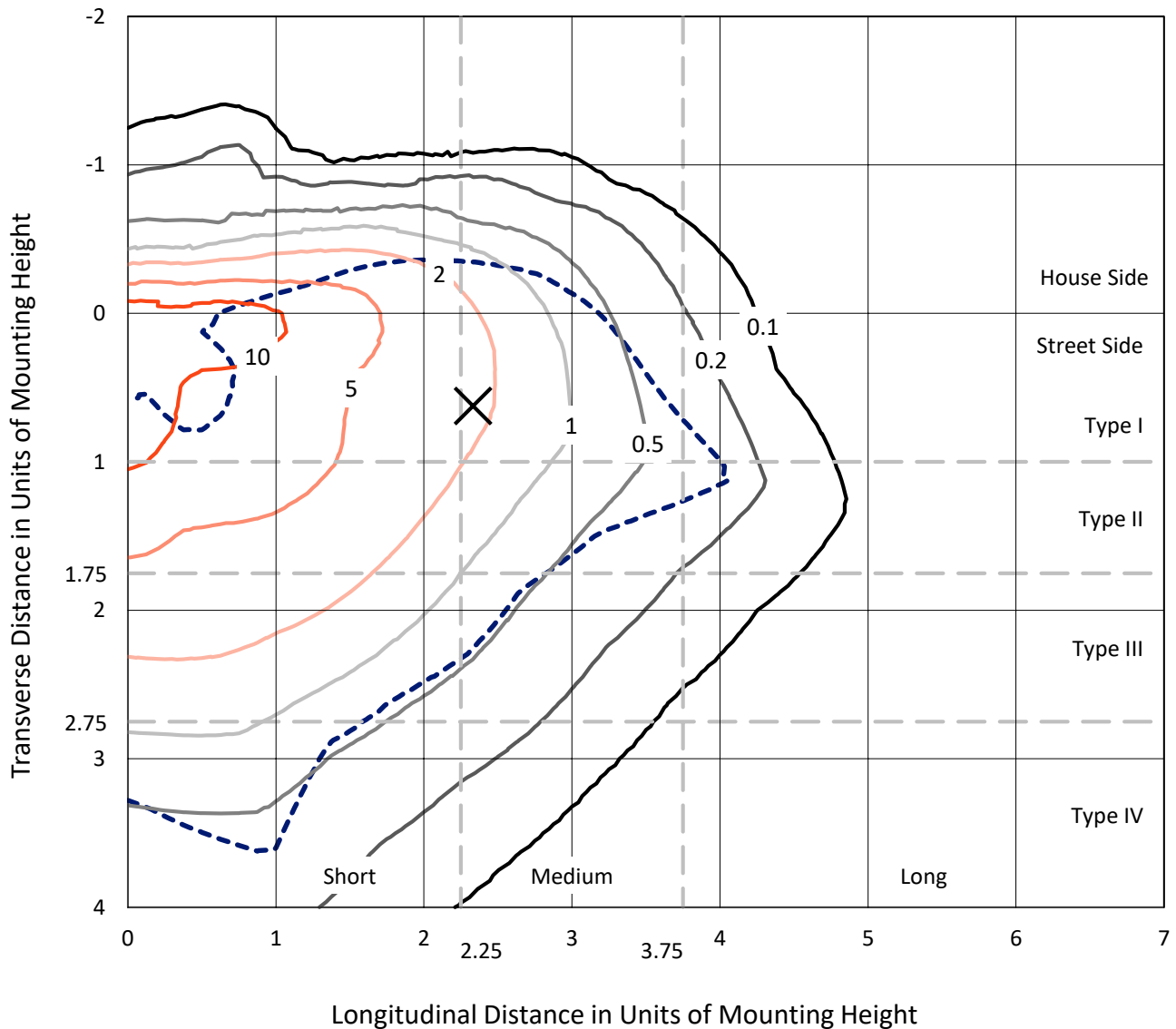
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

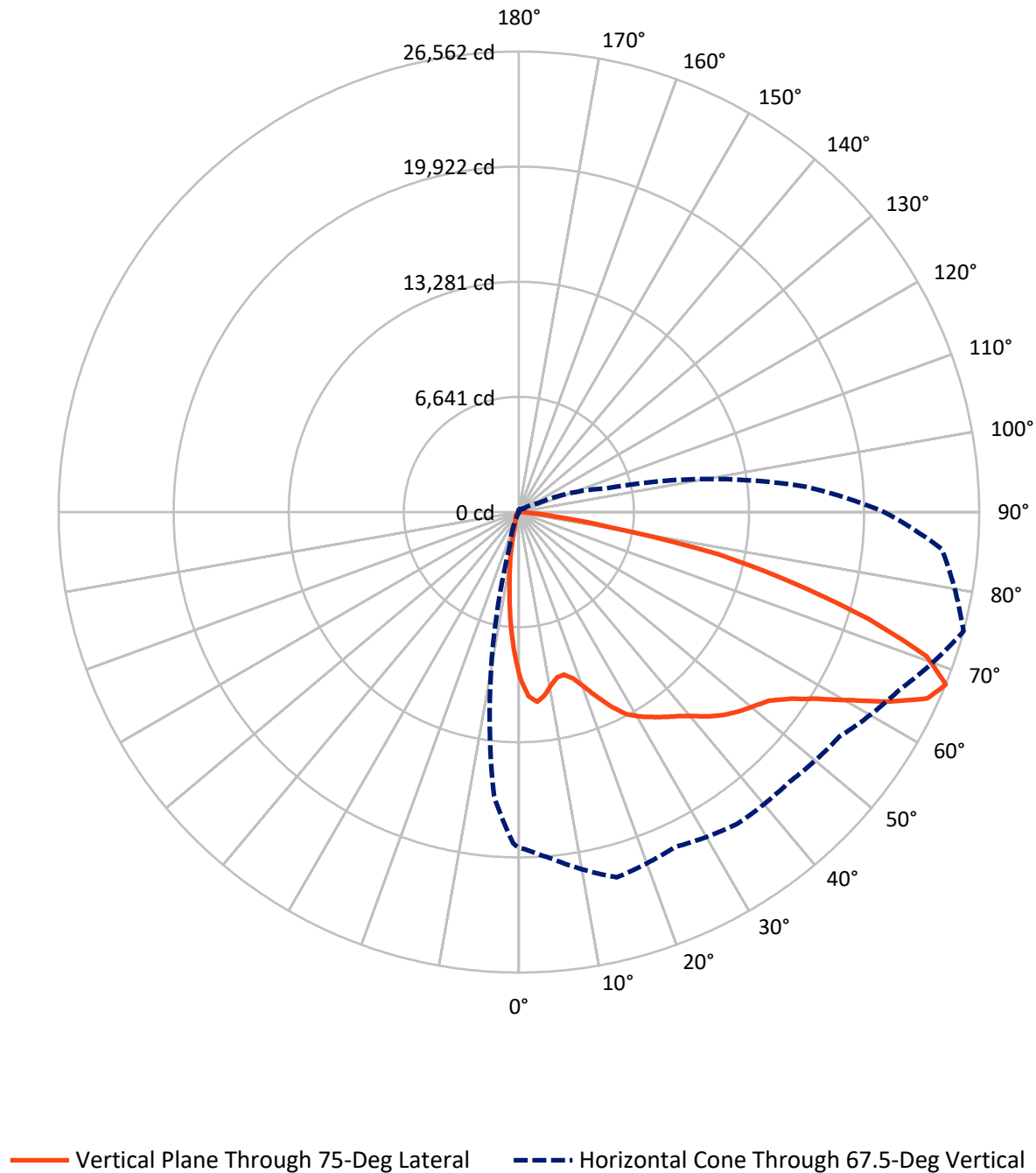
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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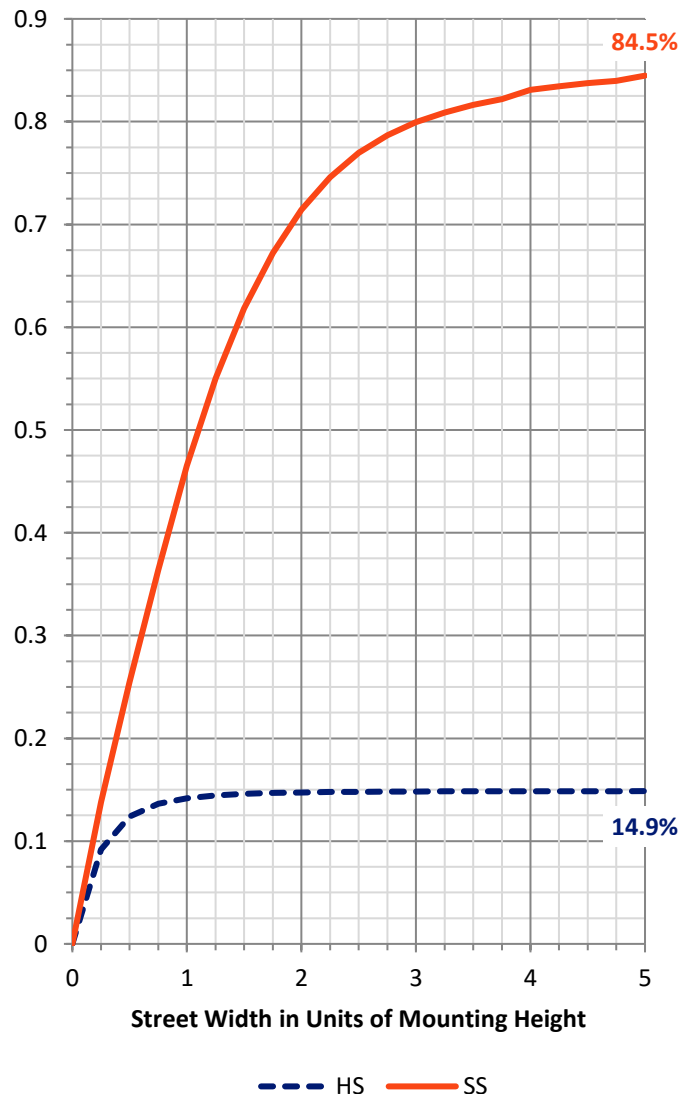
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4291.4	0.0	4291.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	24306.6	0.0	24306.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	28598.0	0.0	28598.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	727.8	2.5
10°-20°	1433.0	5.0
20°-30°	2027.2	7.1
30°-40°	2980.6	10.4
40°-50°	4284.1	15.0
50°-60°	6030.9	21.1
60°-70°	7043.6	24.6
70°-80°	3593.4	12.6
80°-90°	477.4	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°	28598.0	100.0
0°-180°	28598.0	100.0

Coefficient of Utilization



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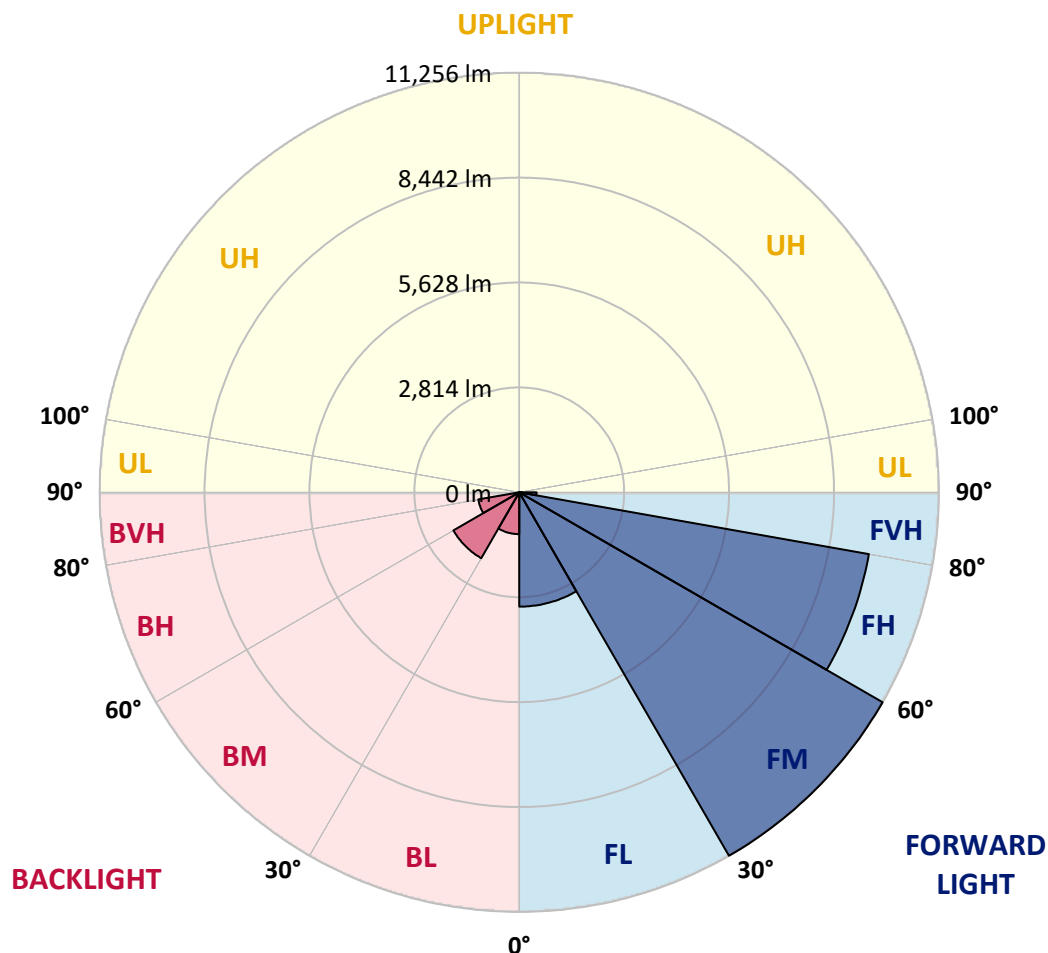
CATALOG NUMBER: GAN-SA0A-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3065.7	10.7			
FM	(30°-60°)	11255.7	39.4			
FH	(60°-80°)	9522.3	33.3			G4/12000
FVH	(80°-90°)	462.9	1.6			G3/500
BL	(0°-30°)	1122.3	3.9	B3/2500		
BM	(30°-60°)	2040.0	7.1	B2/2500		
BH	(60°-80°)	1114.7	3.9	B3/2500		G3/2500
BVH	(80°-90°)	14.5	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°	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1
2.5°	10400.2	10416.5	10500.4	10695.5	10908.2	10924.5	11068.1	10920.4	10870.3	10631.9	10385.3
5°	10478.8	10541.1	10829.6	11402.7	11899.9	12059.7	12173.5	11883.6	11578.8	10996.3	10374.5
7.5°	9846.1	9950.4	10404.3	11479.9	12368.6	12761.5	12836.0	12382.2	11635.7	10676.6	9741.8
10°	9036.0	9155.2	9702.5	11024.7	12245.3	12918.6	13021.6	12426.9	11353.9	10159.1	9057.7
12.5°	8380.3	8519.8	9079.3	10512.6	11821.3	12566.4	12769.6	12276.5	11110.1	9791.9	8590.3
15°	8078.2	8238.1	8826.0	10182.1	11351.2	11937.8	12105.8	11893.1	10974.6	9733.7	8481.9
17.5°	8251.6	8425.0	9031.9	10210.5	10909.6	11160.2	11295.7	11382.4	10974.6	10084.5	8798.9
20°	8962.8	9149.8	9791.9	10499.1	10543.8	10450.3	10595.3	10900.1	11101.9	10751.1	9560.3
22.5°	9946.4	10165.8	10890.6	10993.6	10365.0	10011.4	10030.4	10508.6	11333.6	11596.4	10617.0
25°	11145.3	11413.5	12150.5	11730.5	10439.5	9749.9	9743.2	10186.2	11559.8	12443.1	11794.2
27.5°	12336.1	12631.4	13279.0	12630.1	10747.0	9702.5	9689.0	10088.6	11780.7	13196.3	13079.8
30°	13334.5	13621.7	14179.9	13281.7	11078.9	9813.6	9748.6	10192.9	11912.1	13685.4	14017.3
32.5°	14147.4	14377.7	14828.8	13730.1	11433.9	10029.0	9888.1	10472.0	12135.6	14098.6	14878.9
35°	15041.5	15284.0	15464.1	14156.8	11832.1	10339.2	10137.4	10915.0	12479.7	14518.6	15823.2
37.5°	16061.6	16302.7	16281.0	14547.0	12337.5	10852.7	10724.0	11616.7	13014.8	14934.5	16877.1
40°	17060.0	17306.6	17130.5	14973.7	12930.8	11699.4	11604.5	12670.7	13731.5	15466.9	18112.6
42.5°	17994.8	18261.7	17885.0	15377.4	13638.0	12766.9	12929.5	14028.1	14628.3	16122.5	19177.4
45°	18748.0	19020.3	18517.7	15770.3	14383.1	14062.0	14551.1	15531.9	15706.6	16676.6	19896.8
47.5°	19295.3	19552.7	18956.6	16163.2	15336.8	15645.7	16497.8	17108.8	16680.7	17157.6	20407.5
50°	19644.8	19845.3	19085.3	16654.9	16588.6	17493.5	18525.8	18823.9	17597.8	17591.1	21028.0
52.5°	19867.0	19957.8	19180.2	17168.4	17894.5	19505.3	20511.8	20605.3	18542.1	18067.9	21863.9
55°	20632.4	20705.6	19852.1	17790.2	18974.2	21267.8	22308.2	22221.5	19611.0	19001.3	22850.1
57.5°	21938.4	22015.6	21240.7	18684.3	19848.0	22357.0	23610.1	23765.9	20864.1	20312.7	23906.8
60°	22594.1	22737.7	22461.3	19816.9	20694.7	23053.3	24497.4	24994.6	22430.1	22041.3	24930.9
62.5°	21999.3	22208.0	22609.0	21072.7	21536.0	23436.7	24773.8	25434.9	24034.1	24055.8	25562.2
65°	20812.6	20979.2	21659.3	21760.9	22023.7	23389.3	24091.0	24819.9	25016.3	25906.3	25528.4
67.5°	19379.3	19441.6	20018.7	21815.1	21316.5	21964.1	22040.0	22579.1	24240.0	26562.0	24502.9
70°	17316.1	17349.9	17853.9	20001.1	18318.5	18460.8	18348.4	18458.1	20839.7	24964.8	21914.0
72.5°	13936.0	14021.4	14738.0	16610.2	13345.4	12934.9	13818.2	13769.4	16049.4	21091.7	16275.6
75°	10260.7	10408.3	11490.8	13379.2	9366.5	8472.4	9117.3	9289.3	11409.5	16314.9	10178.0
77.5°	7184.1	7293.8	8342.4	9835.3	6779.0	6058.3	5825.3	6029.9	7530.9	11802.3	5127.6
80°	4138.7	4179.3	4848.5	5679.0	4568.1	5226.5	4734.8	4875.6	4512.6	5250.9	2205.5
82.5°	2708.1	2714.9	2976.3	3380.0	2844.9	3305.5	2446.6	3128.1	2775.8	2109.3	718.0
85°	1463.1	1471.2	1725.9	2399.2	1610.8	910.4	535.1	1098.7	1716.4	483.6	196.4
87.5°	161.2	147.7	520.2	872.4	447.1	82.6	28.4	123.3	275.0	31.2	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°	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1
2.5°	10259.3	10146.9	9866.4	9569.8	9331.3	9107.8	8882.9	8607.9	8395.2	8351.9	8281.4
5°	10039.8	9683.6	9095.6	8504.9	8029.4	7429.3	7048.6	6751.9	6462.0	6444.4	6386.2
7.5°	9273.1	8804.3	7976.6	7159.7	6490.5	5918.8	5341.7	4955.6	4652.1	4545.1	4481.4
10°	8536.1	8009.1	6975.5	6043.4	5446.0	4940.7	4534.3	4130.5	3764.8	3512.8	3399.0
12.5°	8021.3	7438.8	6299.5	5496.1	5068.0	4588.4	4092.6	3588.7	3167.3	2863.9	2678.3
15°	7822.2	7200.3	6073.2	5279.4	4751.0	4144.1	3510.1	2934.3	2466.9	2191.9	2025.3
17.5°	8059.2	7335.8	6055.6	5015.2	4276.9	3522.3	2821.9	2141.8	1701.5	1492.9	1385.9
20°	8660.7	7766.6	6048.8	4691.4	3713.3	2785.3	1911.5	1408.9	1142.0	1025.5	975.4
22.5°	9511.5	8316.6	6103.0	4371.7	3126.7	1990.1	1319.5	1035.0	898.2	835.9	807.4
25°	10606.1	9088.8	6256.1	4081.8	2575.3	1484.8	1028.2	867.0	770.8	722.1	701.7
27.5°	11772.5	9977.5	6494.5	3829.8	2126.9	1184.0	880.6	742.4	673.3	639.4	620.5
30°	12734.4	11007.1	6735.7	3549.4	1801.8	1032.3	806.1	677.4	597.4	575.8	558.1
32.5°	13575.7	11786.1	6906.4	3296.0	1589.1	917.1	728.8	605.6	551.4	509.4	490.4
35°	14446.8	12435.0	6901.0	3118.6	1442.8	830.4	663.8	541.9	476.9	428.1	413.2
37.5°	15389.6	13167.9	6783.1	2966.8	1379.1	761.4	627.2	508.0	443.0	394.2	375.3
40°	16493.7	13937.4	6662.5	2824.6	1361.5	705.8	601.5	480.9	411.8	364.4	345.5
42.5°	17569.4	14631.0	6556.9	2718.9	1285.6	704.5	578.5	460.6	387.5	341.4	319.7
45°	18429.6	15277.2	6536.5	2655.3	1205.7	728.8	566.3	447.1	368.5	322.4	302.1
47.5°	19144.9	15978.9	6666.6	2610.5	1129.8	665.2	596.1	437.6	350.9	306.2	283.1
50°	19995.7	16840.5	6972.8	2537.4	1049.9	598.8	682.8	440.3	336.0	289.9	265.5
52.5°	21182.4	18032.7	7422.5	2414.1	940.2	537.8	671.9	443.0	319.7	272.3	247.9
55°	22512.8	19521.5	7906.2	2209.6	787.1	457.9	575.8	424.0	288.6	253.3	230.3
57.5°	23910.8	20872.2	8193.4	1965.7	625.9	395.6	460.6	386.1	254.7	227.6	212.7
60°	24130.3	21385.6	8061.9	1666.3	497.2	344.1	341.4	392.9	227.6	200.5	189.7
62.5°	23584.4	20740.8	7426.6	1399.4	415.9	302.1	280.4	342.7	205.9	178.8	168.0
65°	22534.4	18997.3	6397.0	1261.2	386.1	258.8	233.0	241.1	180.2	155.8	146.3
67.5°	21074.1	16669.9	5252.3	1182.7	382.0	222.2	199.1	182.9	155.8	135.5	127.3
70°	18088.2	13887.3	4190.2	1139.3	371.2	187.0	168.0	149.0	130.1	115.2	108.4
72.5°	13312.9	9840.7	3259.5	1091.9	373.9	149.0	146.3	123.3	104.3	89.4	86.7
75°	7692.1	5622.1	2137.8	884.6	356.3	115.2	121.9	86.7	73.2	62.3	62.3
77.5°	4099.4	3428.8	814.2	368.5	130.1	73.2	69.1	51.5	46.1	37.9	36.6
80°	1786.9	1509.2	245.2	103.0	71.8	39.3	25.7	23.0	20.3	16.3	14.9
82.5°	632.7	546.0	79.9	50.1	31.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	143.6	103.0	0.0	12.2	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°	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1
2.5°	8137.8	8108.0	7931.9	7938.7	7969.8	8014.5	7908.9	7957.6	8089.0	8215.0	8262.4
5°	6292.7	6299.5	6192.4	6258.8	6318.4	6359.1	6188.4	6191.1	6295.4	6437.6	6512.1
7.5°	4434.0	4423.2	4428.6	4587.1	4699.5	4618.2	4681.9	4461.1	4474.6	4576.3	4500.4
10°	3296.0	3147.0	3063.0	3182.2	3305.5	3260.8	3151.1	3079.3	3129.4	3241.8	3233.7
12.5°	2590.2	2376.2	2250.2	2164.8	2266.4	2182.5	2179.7	2117.4	2049.7	2061.9	2242.1
15°	1948.1	1792.3	1643.3	1506.5	1503.7	1475.3	1330.3	1167.8	1154.2	1162.4	1255.8
17.5°	1339.8	1287.0	1226.0	1108.2	1077.0	957.8	816.9	751.9	719.4	734.3	765.4
20°	941.5	921.2	928.0	864.3	819.6	705.8	623.2	597.4	592.0	606.9	621.8
22.5°	780.3	743.7	739.7	711.2	666.5	583.9	539.2	524.3	517.5	531.1	541.9
25°	682.8	646.2	631.3	613.7	566.3	509.4	482.3	468.7	462.0	470.1	476.9
27.5°	601.5	567.6	554.1	541.9	495.8	455.2	433.5	421.3	415.9	418.6	425.4
30°	540.5	510.7	493.1	478.2	438.9	410.5	391.5	379.3	373.9	373.9	380.7
32.5°	476.9	460.6	444.3	425.4	388.8	369.8	350.9	337.3	331.9	333.3	338.7
35°	396.9	391.5	395.6	378.0	346.8	330.6	311.6	296.7	292.6	294.0	299.4
37.5°	352.2	327.8	342.7	333.3	315.7	294.0	269.6	256.0	249.3	253.3	256.0
40°	323.8	294.0	283.1	292.6	289.9	254.7	233.0	219.5	214.0	215.4	218.1
42.5°	299.4	264.2	239.8	238.4	254.7	222.2	199.1	187.0	180.2	180.2	182.9
45°	276.4	238.4	208.6	185.6	214.0	188.3	166.6	155.8	147.7	147.7	149.0
47.5°	258.8	216.8	181.5	151.7	161.2	154.4	136.8	126.0	117.9	117.9	119.2
50°	242.5	195.1	157.1	127.3	120.6	127.3	111.1	98.9	93.5	92.1	94.8
52.5°	224.9	173.4	134.1	108.4	94.8	96.2	86.7	78.6	71.8	71.8	74.5
55°	207.3	155.8	116.5	92.1	78.6	71.8	69.1	63.7	58.3	58.3	61.0
57.5°	189.7	136.8	98.9	75.9	62.3	56.9	56.9	52.8	48.8	48.8	51.5
60°	173.4	117.9	81.3	62.3	48.8	47.4	48.8	44.7	42.0	42.0	44.7
62.5°	154.4	100.2	66.4	51.5	39.3	37.9	42.0	39.3	36.6	36.6	39.3
65°	131.4	85.3	52.8	39.3	29.8	29.8	35.2	32.5	29.8	29.8	32.5
67.5°	111.1	71.8	40.6	28.4	21.7	23.0	29.8	27.1	25.7	25.7	28.4
70°	92.1	55.5	28.4	17.6	12.2	17.6	23.0	23.0	23.0	23.0	25.7
72.5°	69.1	37.9	16.3	6.8	5.4	12.2	19.0	21.7	20.3	20.3	24.4
75°	44.7	21.7	5.4	0.0	0.0	6.8	14.9	17.6	17.6	16.3	20.3
77.5°	25.7	6.8	0.0	0.0	0.0	0.0	9.5	8.1	6.8	5.4	9.5
80°	6.8	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: P324074

CATALOG NUMBER: GAN-SA0A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1	9594.1
2.5°	8453.5	8613.3	8838.2	9076.6	9443.8	9735.0	10020.9	10266.1	10360.9	10400.2
5°	6691.0	6925.3	7254.5	7677.2	8339.7	8935.7	9540.0	10148.2	10412.4	10478.8
7.5°	4801.1	5100.5	5519.1	6048.8	6825.1	7597.3	8441.3	9334.0	9743.2	9846.1
10°	3553.4	3919.2	4398.8	4956.9	5698.0	6491.8	7411.7	8431.8	8899.2	9036.0
12.5°	2521.1	3015.6	3657.7	4336.5	4978.6	5687.1	6617.8	7742.2	8232.6	8380.3
15°	1480.7	1958.9	2718.9	3627.9	4450.3	5168.3	6113.9	7388.7	7929.2	8078.2
17.5°	849.4	1087.8	1662.2	2675.6	3791.9	4786.2	5955.4	7476.7	8113.4	8251.6
20°	648.9	724.8	957.8	1723.2	3022.4	4411.0	5955.4	7975.2	8759.6	8962.8
22.5°	567.6	623.2	718.0	1028.2	2224.5	4008.6	6024.4	8696.0	9721.5	9946.4
25°	504.0	554.1	635.4	773.5	1517.3	3530.4	6188.4	9580.6	10854.0	11145.3
27.5°	451.1	498.5	571.7	677.4	1037.7	2953.3	6409.2	10618.3	12103.1	12336.1
30°	403.7	448.4	514.8	589.3	800.6	2299.0	6597.5	11596.4	13083.9	13334.5
32.5°	359.0	399.6	459.3	514.8	655.7	1700.2	6617.8	12371.3	13898.1	14147.4
35°	317.0	353.6	407.8	451.1	543.2	1342.5	6302.2	13043.3	14712.3	15041.5
37.5°	276.4	311.6	359.0	391.5	478.2	1094.6	5819.9	13792.4	15756.8	16061.6
40°	238.4	269.6	318.4	340.0	452.5	841.3	5295.6	14578.2	16780.9	17060.0
42.5°	203.2	233.0	280.4	322.4	396.9	628.6	4729.3	15315.1	17702.1	17994.8
45°	169.3	200.5	247.9	341.4	329.2	470.1	4123.8	15804.2	18429.6	18748.0
47.5°	136.8	172.0	237.1	325.1	262.8	345.5	3644.2	16267.5	18981.0	19295.3
50°	109.7	145.0	266.9	289.9	215.4	264.2	3443.7	16682.0	19342.7	19644.8
52.5°	89.4	121.9	252.0	222.2	180.2	218.1	3552.1	17354.0	19677.3	19867.0
55°	74.5	96.2	151.7	154.4	153.1	185.6	3686.2	18318.5	20543.0	20632.4
57.5°	65.0	77.2	105.7	119.2	128.7	165.3	3688.9	19703.1	21882.8	21938.4
60°	55.5	67.7	88.1	96.2	111.1	147.7	3554.8	20186.7	22409.8	22594.1
62.5°	48.8	59.6	73.2	79.9	93.5	132.8	3240.5	19486.3	21686.4	21999.3
65°	43.4	54.2	61.0	67.7	82.6	119.2	2723.0	18085.5	20486.1	20812.6
67.5°	37.9	47.4	54.2	61.0	74.5	105.7	2005.0	16458.5	19108.4	19379.3
70°	33.9	42.0	48.8	54.2	65.0	89.4	1216.5	13965.8	17203.6	17316.1
72.5°	32.5	37.9	44.7	48.8	56.9	78.6	616.4	10263.4	13753.1	13936.0
75°	28.4	33.9	40.6	43.4	50.1	67.7	250.6	6741.1	9966.7	10260.7
77.5°	23.0	31.2	36.6	39.3	43.4	55.5	127.3	4308.0	6994.4	7184.1
80°	8.1	23.0	31.2	32.5	36.6	40.6	84.0	2358.6	4057.4	4138.7
82.5°	0.0	14.9	24.4	23.0	25.7	31.2	54.2	1121.7	2678.3	2708.1
85°	0.0	6.8	19.0	14.9	10.8	21.7	19.0	245.2	1404.8	1463.1
87.5°	0.0	0.0	1.4	6.8	5.4	8.1	2.7	1.4	127.3	161.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)