

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: P324092

Luminaire Tested: **GAN-SA8C-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324092
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-SA8C-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 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: 35145 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

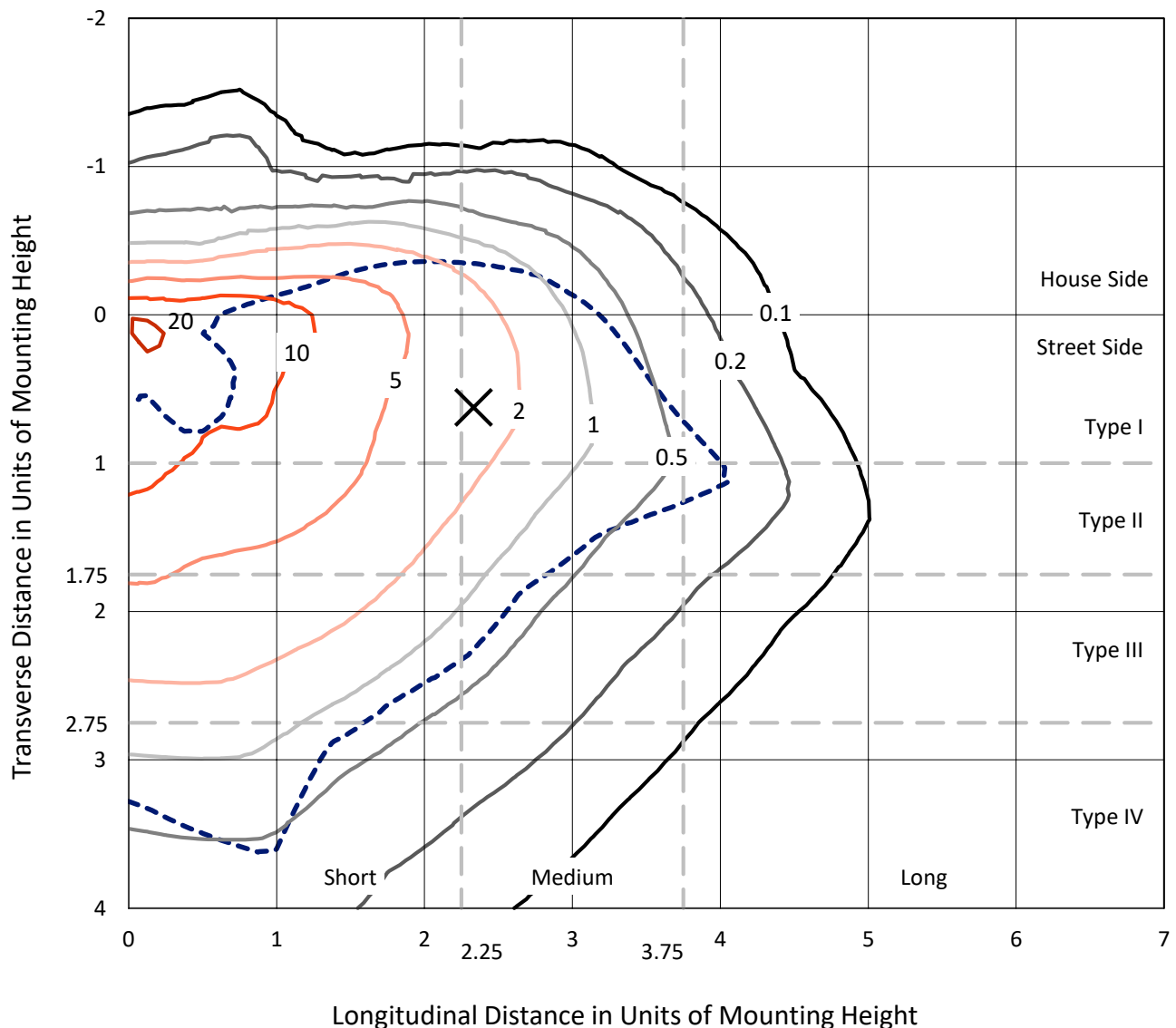
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324092
 CATALOG NUMBER: GAN-SA8C-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

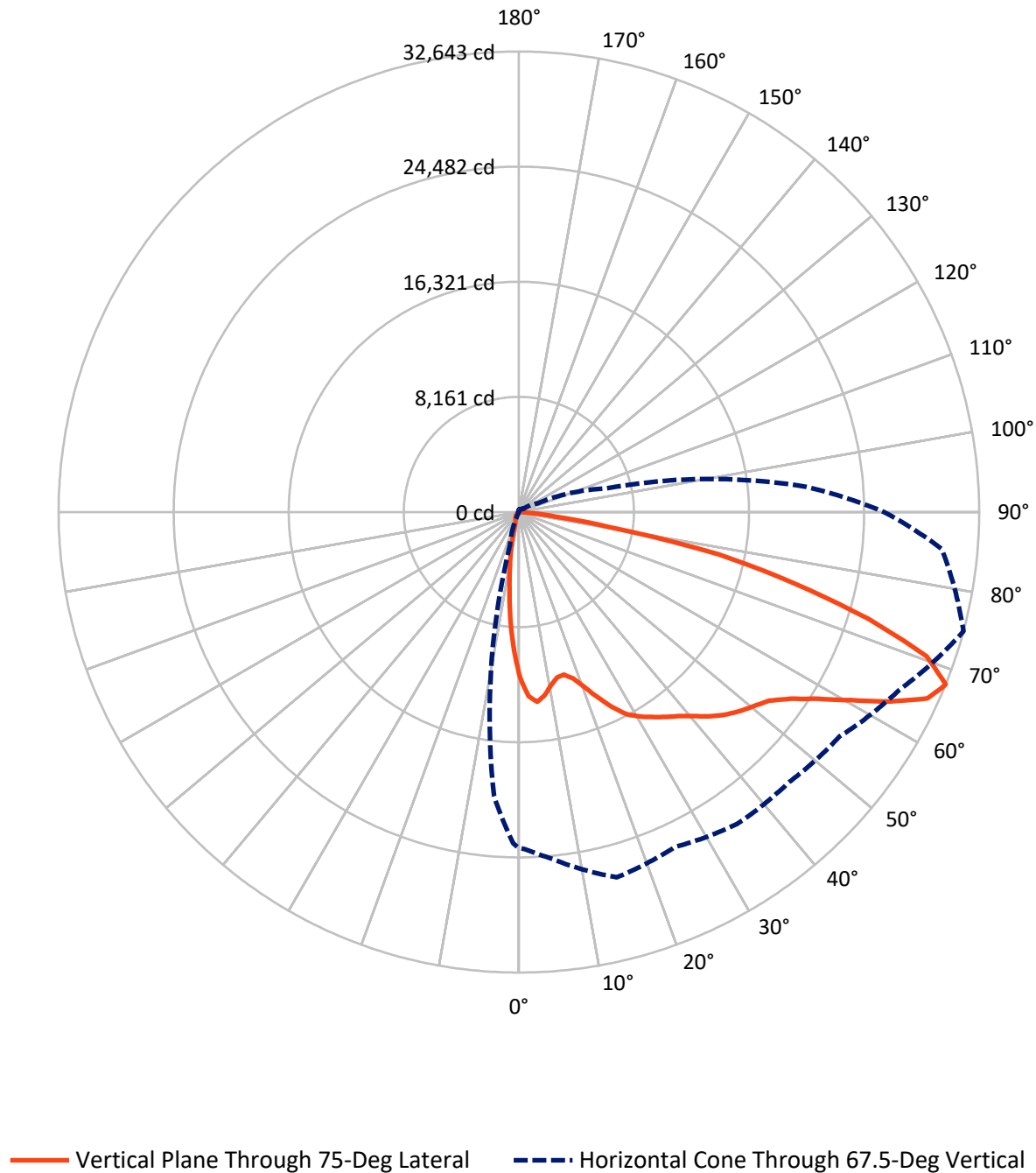
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P324092
CATALOG NUMBER: GAN-SA8C-727-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324092

CATALOG NUMBER: GAN-SA8C-727-U-SLL-HSS

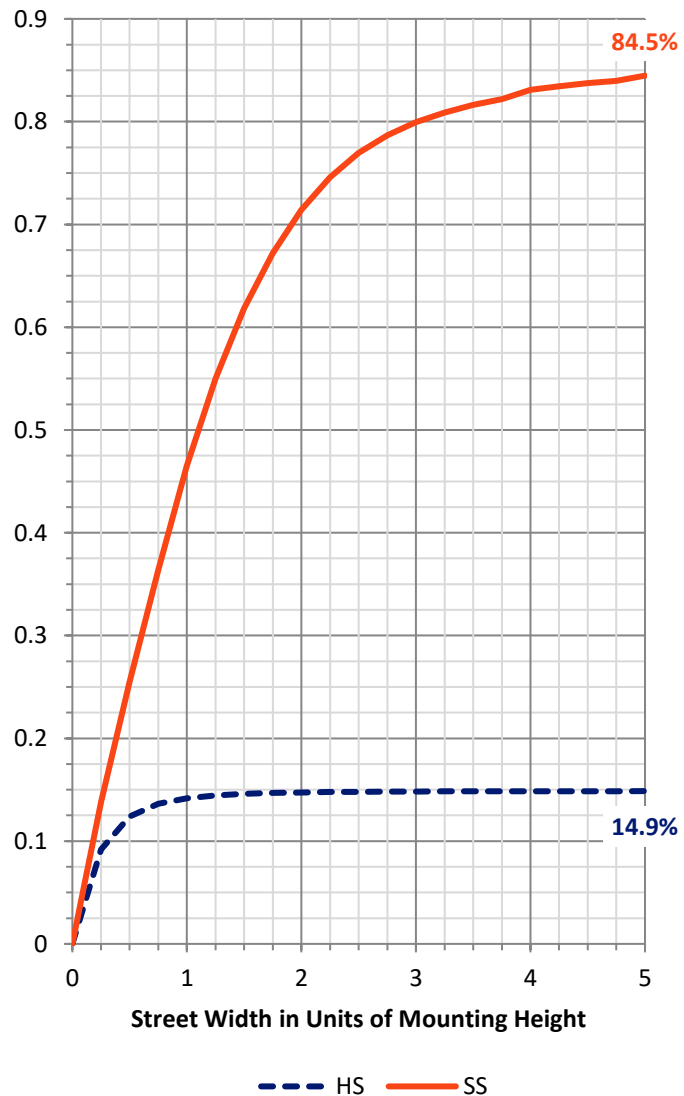
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5273.9	0.0	5273.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	29871.1	0.0	29871.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	35145.0	0.0	35145.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	894.4	2.5
10°-20°	1761.0	5.0
20°-30°	2491.3	7.1
30°-40°	3663.0	10.4
40°-50°	5264.9	15.0
50°-60°	7411.6	21.1
60°-70°	8656.1	24.6
70°-80°	4416.1	12.6
80°-90°	586.6	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°	35145.0	100.0
0°-180°	35145.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324092

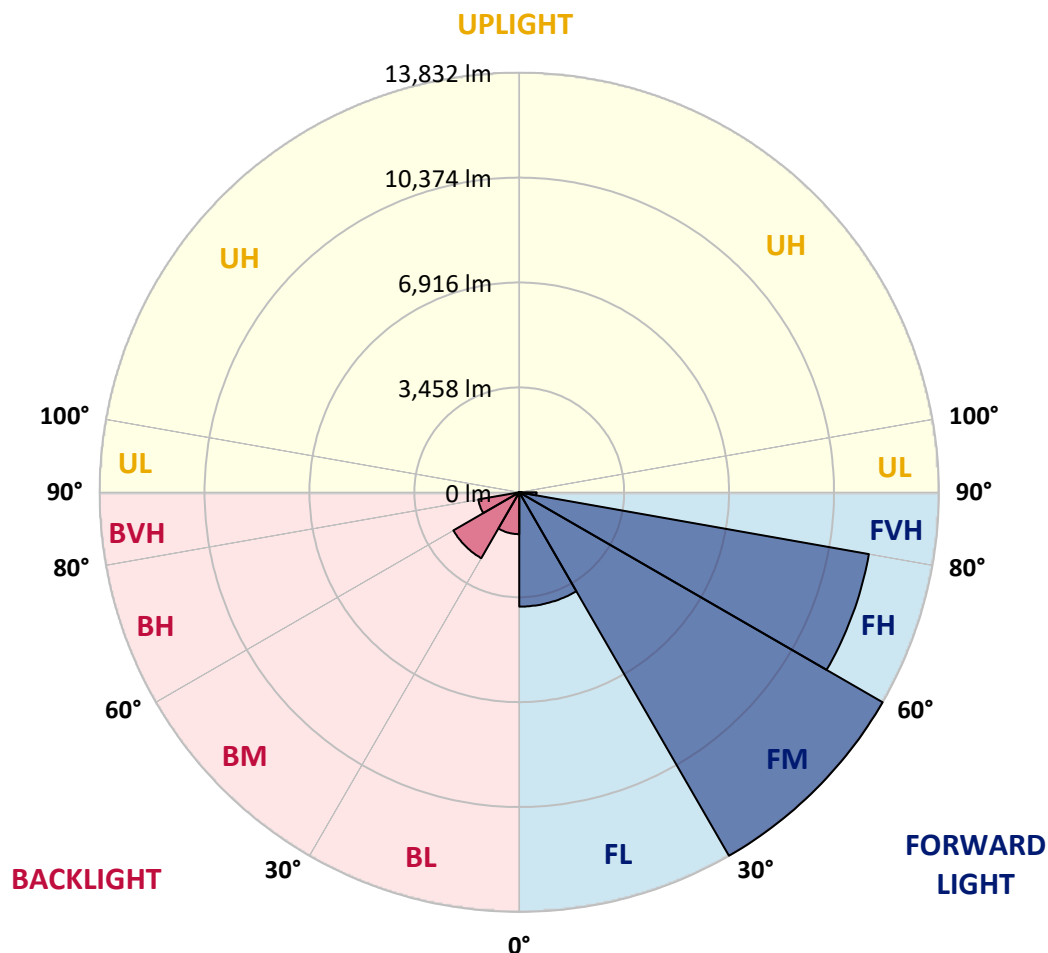
CATALOG NUMBER: GAN-SA8C-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3767.5	10.7			
FM	(30°-60°)	13832.5	39.4			
FH	(60°-80°)	11702.3	33.3			G4/12000
FVH	(80°-90°)	568.9	1.6			G4/750
BL	(0°-30°)	1379.2	3.9	B3/2500		
BM	(30°-60°)	2507.0	7.1	B3/5000		
BH	(60°-80°)	1369.9	3.9	B3/2500		G3/2500
BVH	(80°-90°)	17.8	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





REPORT NUMBER: P324092

CATALOG NUMBER: GAN-SA8C-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5
2.5°	12781.1	12801.1	12904.3	13144.1	13405.5	13425.4	13601.9	13420.4	13358.8	13065.8	12762.8
5°	12877.7	12954.3	13308.9	14013.1	14624.1	14820.6	14960.4	14604.2	14229.6	13513.7	12749.5
7.5°	12100.2	12228.4	12786.1	14108.0	15200.2	15683.0	15774.6	15216.8	14299.5	13120.8	11972.0
10°	11104.6	11251.1	11923.7	13548.6	15048.7	15876.1	16002.6	15271.8	13953.2	12484.8	11131.3
12.5°	10298.8	10470.3	11157.9	12919.3	14527.6	15443.3	15693.0	15087.0	13653.5	12033.6	10556.9
15°	9927.6	10124.0	10846.6	12513.1	13949.9	14670.8	14877.2	14615.8	13487.0	11962.0	10423.7
17.5°	10140.7	10353.8	11099.6	12548.1	13407.1	13715.1	13881.6	13988.2	13487.0	12393.2	10813.3
20°	11014.7	11244.5	12033.6	12902.7	12957.6	12842.7	13020.9	13395.5	13643.5	13212.3	11748.9
22.5°	12223.4	12493.1	13383.8	13510.3	12737.9	12303.3	12326.6	12914.3	13928.2	14251.2	13047.5
25°	13696.8	14026.5	14932.1	14416.0	12829.4	11982.0	11973.7	12518.1	14206.3	15291.7	14494.3
27.5°	15160.2	15523.2	16319.0	15521.5	13207.3	11923.7	11907.1	12398.2	14477.6	16217.4	16074.2
30°	16387.2	16740.2	17426.1	16322.3	13615.2	12060.3	11980.3	12526.4	14639.1	16818.4	17226.3
32.5°	17386.1	17669.2	18223.6	16873.4	14051.4	12325.0	12151.8	12869.4	14913.8	17326.2	18285.2
35°	18485.0	18783.0	19004.4	17397.8	14540.9	12706.2	12458.2	13413.8	15336.7	17842.3	19445.6
37.5°	19738.6	20034.9	20008.3	17877.3	15161.9	13337.2	13179.0	14276.2	15994.3	18353.4	20740.8
40°	20965.6	21268.6	21052.2	18401.7	15891.1	14377.7	14261.2	15571.4	16875.0	19007.7	22259.2
42.5°	22114.4	22442.3	21979.5	18897.8	16760.2	15689.7	15889.4	17239.6	17977.2	19813.5	23567.8
45°	23040.0	23374.7	22757.0	19380.6	17675.8	17281.3	17882.3	19087.6	19302.4	20494.4	24451.8
47.5°	23712.6	24028.9	23296.4	19863.5	18847.9	19227.5	20274.7	21025.5	20499.4	21085.5	25079.5
50°	24142.2	24388.6	23454.6	20467.8	20386.2	21498.4	22767.0	23133.2	21626.5	21618.2	25842.0
52.5°	24415.2	24526.7	23571.1	21098.8	21991.2	23970.7	25207.7	25322.5	22787.0	22204.3	26869.2
55°	25355.8	25445.7	24396.9	21863.0	23318.0	26136.7	27415.3	27308.7	24100.5	23351.3	28081.2
57.5°	26960.8	27055.7	26103.4	22961.8	24391.9	27475.2	29015.2	29206.7	25640.5	24962.9	29379.8
60°	27766.6	27943.0	27603.4	24353.6	25432.4	28330.9	30105.7	30716.7	27565.1	27087.3	30638.4
62.5°	27035.7	27292.1	27784.9	25896.9	26466.3	28802.1	30445.3	31257.8	29536.3	29562.9	31414.3
65°	25577.3	25782.0	26617.8	26742.7	27065.6	28743.8	29606.2	30501.9	30743.3	31837.1	31372.6
67.5°	23815.8	23892.4	24601.7	26809.3	26196.6	26992.4	27085.6	27748.2	29789.4	32642.9	30112.3
70°	21280.3	21321.9	21941.2	24580.0	22512.3	22687.1	22548.9	22683.7	25610.6	30680.1	26930.8
72.5°	17126.4	17231.3	18112.0	20412.9	16400.5	15896.1	16981.6	16921.6	19723.6	25920.2	20001.6
75°	12609.7	12791.1	14121.4	16442.2	11510.8	10412.0	11204.5	11416.0	14021.5	20049.9	12508.1
77.5°	8828.8	8963.6	10252.2	12086.9	8331.0	7445.3	7158.9	7410.3	9255.0	14504.3	6301.5
80°	5086.2	5136.1	5958.5	6979.1	5613.9	6423.0	5818.7	5991.8	5545.7	6453.0	2710.4
82.5°	3328.1	3336.4	3657.7	4153.8	3496.2	4062.3	3006.7	3844.2	3411.3	2592.2	882.4
85°	1798.1	1808.0	2121.0	2948.5	1979.5	1118.8	657.6	1350.2	2109.4	594.4	241.4
87.5°	198.1	181.5	639.3	1072.2	549.4	101.6	35.0	151.5	338.0	38.3	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: P324092

CATALOG NUMBER: GAN-SA8C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5
2.5°	12608.0	12469.8	12125.2	11760.6	11467.6	11192.9	10916.5	10578.5	10317.1	10263.9	10177.3
5°	12338.3	11900.4	11177.9	10452.0	9867.6	9130.1	8662.3	8297.7	7941.4	7919.7	7848.2
7.5°	11396.0	10819.9	9802.7	8798.8	7976.3	7273.8	6564.5	6090.1	5717.1	5585.6	5507.4
10°	10490.3	9842.7	8572.4	7426.9	6692.7	6071.7	5572.3	5076.2	4626.6	4317.0	4177.1
12.5°	9857.6	9141.8	7741.6	6754.3	6228.2	5638.9	5029.5	4410.2	3892.4	3519.5	3291.4
15°	9612.9	8848.7	7463.6	6488.0	5838.7	5092.8	4313.7	3606.1	3031.7	2693.7	2489.0
17.5°	9904.3	9015.2	7441.9	6163.3	5256.0	4328.6	3467.9	2632.1	2091.1	1834.7	1703.2
20°	10643.5	9544.6	7433.6	5765.4	4563.4	3423.0	2349.1	1731.5	1403.5	1260.3	1198.7
22.5°	11689.0	10220.6	7500.2	5372.5	3842.5	2445.7	1621.6	1272.0	1103.8	1027.2	992.3
25°	13034.2	11169.6	7688.3	5016.2	3164.9	1824.7	1263.6	1065.5	947.3	887.4	862.4
27.5°	14467.6	12261.7	7981.3	4706.6	2613.8	1455.1	1082.2	912.3	827.4	785.8	762.5
30°	15649.7	13527.0	8277.7	4361.9	2214.3	1268.6	990.6	832.4	734.2	707.6	685.9
32.5°	16683.6	14484.3	8487.5	4050.6	1952.9	1127.1	895.7	744.2	677.6	626.0	602.7
35°	17754.1	15281.8	8480.8	3832.5	1773.1	1020.6	815.8	665.9	586.0	526.1	507.8
37.5°	18912.8	16182.5	8336.0	3646.0	1694.8	935.7	770.8	624.3	544.4	484.5	461.2
40°	20269.7	17128.1	8187.8	3471.2	1673.2	867.4	739.2	591.0	506.1	447.8	424.5
42.5°	21591.6	17980.5	8057.9	3341.4	1580.0	865.7	710.9	566.1	476.2	419.5	392.9
45°	22648.8	18774.6	8033.0	3263.1	1481.7	895.7	695.9	549.4	452.8	396.2	371.3
47.5°	23527.8	19637.0	8192.8	3208.2	1388.5	817.4	732.5	537.8	431.2	376.3	348.0
50°	24573.4	20695.9	8569.0	3118.3	1290.3	735.9	839.1	541.1	412.9	356.3	326.3
52.5°	26031.8	22161.0	9121.8	2966.8	1155.4	660.9	825.8	544.4	392.9	334.6	304.7
55°	27666.7	23990.6	9716.1	2715.4	967.3	562.7	707.6	521.1	354.6	311.3	283.0
57.5°	29384.8	25650.5	10069.1	2415.7	769.2	486.1	566.1	474.5	313.0	279.7	261.4
60°	29654.5	26281.5	9907.6	2047.8	611.0	422.9	419.5	482.8	279.7	246.4	233.1
62.5°	28983.6	25489.0	9126.8	1719.8	511.1	371.3	344.6	421.2	253.1	219.8	206.4
65°	27693.3	23346.3	7861.5	1550.0	474.5	318.0	286.4	296.3	221.4	191.5	179.8
67.5°	25898.6	20486.1	6454.7	1453.4	469.5	273.0	244.7	224.8	191.5	166.5	156.5
70°	22229.2	17066.5	5149.4	1400.1	456.2	229.8	206.4	183.1	159.8	141.5	133.2
72.5°	16360.6	12093.6	4005.7	1341.9	459.5	183.1	179.8	151.5	128.2	109.9	106.6
75°	9453.1	6909.2	2627.2	1087.2	437.9	141.5	149.8	106.6	89.9	76.6	76.6
77.5°	5037.9	4213.8	1000.6	452.8	159.8	89.9	84.9	63.3	56.6	46.6	45.0
80°	2196.0	1854.7	301.3	126.5	88.2	48.3	31.6	28.3	25.0	20.0	18.3
82.5°	777.5	670.9	98.2	61.6	38.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	176.5	126.5	0.0	15.0	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: P324092

CATALOG NUMBER: GAN-SA8C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5
2.5°	10000.8	9964.2	9747.8	9756.1	9794.4	9849.3	9719.5	9779.4	9940.9	10095.7	10154.0
5°	7733.3	7741.6	7610.1	7691.7	7764.9	7814.9	7605.1	7608.4	7736.6	7911.4	8003.0
7.5°	5449.1	5435.8	5442.4	5637.2	5775.4	5675.5	5753.8	5482.4	5499.0	5623.9	5530.7
10°	4050.6	3867.5	3764.3	3910.8	4062.3	4007.3	3872.5	3784.2	3845.8	3984.0	3974.0
12.5°	3183.2	2920.2	2765.3	2660.4	2785.3	2682.1	2678.8	2602.2	2518.9	2533.9	2755.3
15°	2394.1	2202.6	2019.5	1851.3	1848.0	1813.0	1634.9	1435.1	1418.5	1428.5	1543.3
17.5°	1646.5	1581.6	1506.7	1361.9	1323.6	1177.1	1003.9	924.0	884.0	902.4	940.6
20°	1157.1	1132.1	1140.4	1062.2	1007.2	867.4	765.8	734.2	727.5	745.9	764.2
22.5°	959.0	914.0	909.0	874.1	819.1	717.6	662.6	644.3	636.0	652.6	665.9
25°	839.1	794.1	775.8	754.2	695.9	626.0	592.7	576.0	567.7	577.7	586.0
27.5°	739.2	697.6	680.9	665.9	609.3	559.4	532.8	517.8	511.1	514.4	522.8
30°	664.3	627.7	606.0	587.7	539.4	504.5	481.1	466.2	459.5	459.5	467.8
32.5°	586.0	566.1	546.1	522.8	477.8	454.5	431.2	414.6	407.9	409.6	416.2
35°	487.8	481.1	486.1	464.5	426.2	406.2	382.9	364.6	359.6	361.3	367.9
37.5°	432.9	402.9	421.2	409.6	387.9	361.3	331.3	314.7	306.3	311.3	314.7
40°	397.9	361.3	348.0	359.6	356.3	313.0	286.4	269.7	263.0	264.7	268.0
42.5°	367.9	324.6	294.7	293.0	313.0	273.0	244.7	229.8	221.4	221.4	224.8
45°	339.6	293.0	256.4	228.1	263.0	231.4	204.8	191.5	181.5	181.5	183.1
47.5°	318.0	266.4	223.1	186.5	198.1	189.8	168.2	154.8	144.8	144.8	146.5
50°	298.0	239.7	193.1	156.5	148.2	156.5	136.5	121.5	114.9	113.2	116.5
52.5°	276.4	213.1	164.8	133.2	116.5	118.2	106.6	96.6	88.2	88.2	91.6
55°	254.7	191.5	143.2	113.2	96.6	88.2	84.9	78.2	71.6	71.6	74.9
57.5°	233.1	168.2	121.5	93.2	76.6	69.9	69.9	64.9	59.9	59.9	63.3
60°	213.1	144.8	99.9	76.6	59.9	58.3	59.9	54.9	51.6	51.6	54.9
62.5°	189.8	123.2	81.6	63.3	48.3	46.6	51.6	48.3	45.0	45.0	48.3
65°	161.5	104.9	64.9	48.3	36.6	36.6	43.3	40.0	36.6	36.6	40.0
67.5°	136.5	88.2	49.9	35.0	26.6	28.3	36.6	33.3	31.6	31.6	35.0
70°	113.2	68.3	35.0	21.6	15.0	21.6	28.3	28.3	28.3	28.3	31.6
72.5°	84.9	46.6	20.0	8.3	6.7	15.0	23.3	26.6	25.0	25.0	30.0
75°	54.9	26.6	6.7	0.0	0.0	8.3	18.3	21.6	21.6	20.0	25.0
77.5°	31.6	8.3	0.0	0.0	0.0	0.0	11.7	10.0	8.3	6.7	11.7
80°	8.3	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: P324092

CATALOG NUMBER: GAN-SA8C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5	11790.5
2.5°	10388.7	10585.2	10861.6	11154.6	11605.7	11963.7	12315.0	12616.3	12732.9	12781.1
5°	8222.7	8510.8	8915.3	9434.8	10248.9	10981.4	11724.0	12471.5	12796.1	12877.7
7.5°	5900.3	6268.2	6782.6	7433.6	8387.6	9336.5	10373.7	11470.9	11973.7	12100.2
10°	4366.9	4816.4	5405.8	6091.7	7002.4	7978.0	9108.5	10362.1	10936.5	11104.6
12.5°	3098.3	3706.0	4495.1	5329.2	6118.4	6989.1	8132.8	9514.7	10117.4	10298.8
15°	1819.7	2407.4	3341.4	4458.5	5469.1	6351.4	7513.5	9080.2	9744.4	9927.6
17.5°	1043.9	1336.9	2042.8	3288.1	4659.9	5882.0	7318.7	9188.4	9970.9	10140.7
20°	797.5	890.7	1177.1	2117.7	3714.3	5420.8	7318.7	9801.0	10765.0	11014.7
22.5°	697.6	765.8	882.4	1263.6	2733.7	4926.3	7403.6	10686.7	11947.0	12223.4
25°	619.3	680.9	780.8	950.6	1864.6	4338.6	7605.1	11773.9	13338.9	13696.8
27.5°	554.4	612.7	702.6	832.4	1275.3	3629.4	7876.5	13049.2	14873.9	15160.2
30°	496.1	551.1	632.6	724.2	983.9	2825.3	8107.9	14251.2	16079.2	16387.2
32.5°	441.2	491.1	564.4	632.6	805.8	2089.4	8132.8	15203.5	17079.8	17386.1
35°	389.6	434.5	501.1	554.4	667.6	1649.9	7744.9	16029.3	18080.4	18485.0
37.5°	339.6	382.9	441.2	481.1	587.7	1345.2	7152.2	16950.0	19364.0	19738.6
40°	293.0	331.3	391.2	417.9	556.1	1033.9	6507.9	17915.6	20622.6	20965.6
42.5°	249.7	286.4	344.6	396.2	487.8	772.5	5812.0	18821.3	21754.7	22114.4
45°	208.1	246.4	304.7	419.5	404.6	577.7	5067.8	19422.3	22648.8	23040.0
47.5°	168.2	211.4	291.4	399.6	323.0	424.5	4478.5	19991.7	23326.4	23712.6
50°	134.9	178.1	328.0	356.3	264.7	324.6	4232.1	20501.1	23770.9	24142.2
52.5°	109.9	149.8	309.7	273.0	221.4	268.0	4365.3	21326.9	24182.1	24415.2
55°	91.6	118.2	186.5	189.8	188.1	228.1	4530.1	22512.3	25246.0	25355.8
57.5°	79.9	94.9	129.9	146.5	158.2	203.1	4533.4	24213.7	26892.5	26960.8
60°	68.3	83.2	108.2	118.2	136.5	181.5	4368.6	24808.1	27540.1	27766.6
62.5°	59.9	73.3	89.9	98.2	114.9	163.2	3982.3	23947.4	26651.1	27035.7
65°	53.3	66.6	74.9	83.2	101.6	146.5	3346.4	22225.9	25176.0	25577.3
67.5°	46.6	58.3	66.6	74.9	91.6	129.9	2464.0	20226.4	23482.9	23815.8
70°	41.6	51.6	59.9	66.6	79.9	109.9	1495.0	17163.1	21142.1	21280.3
72.5°	40.0	46.6	54.9	59.9	69.9	96.6	757.5	12613.0	16901.7	17126.4
75°	35.0	41.6	49.9	53.3	61.6	83.2	308.0	8284.3	12248.4	12609.7
77.5°	28.3	38.3	45.0	48.3	53.3	68.3	156.5	5294.3	8595.7	8828.8
80°	10.0	28.3	38.3	40.0	45.0	49.9	103.2	2898.5	4986.3	5086.2
82.5°	0.0	18.3	30.0	28.3	31.6	38.3	66.6	1378.5	3291.4	3328.1
85°	0.0	8.3	23.3	18.3	13.3	26.6	23.3	301.3	1726.5	1798.1
87.5°	0.0	0.0	1.7	8.3	6.7	10.0	3.3	1.7	156.5	198.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)