

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: P324385

Luminaire Tested: **GAN-SA1A-727-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324385
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-SA1A-727-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3026 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

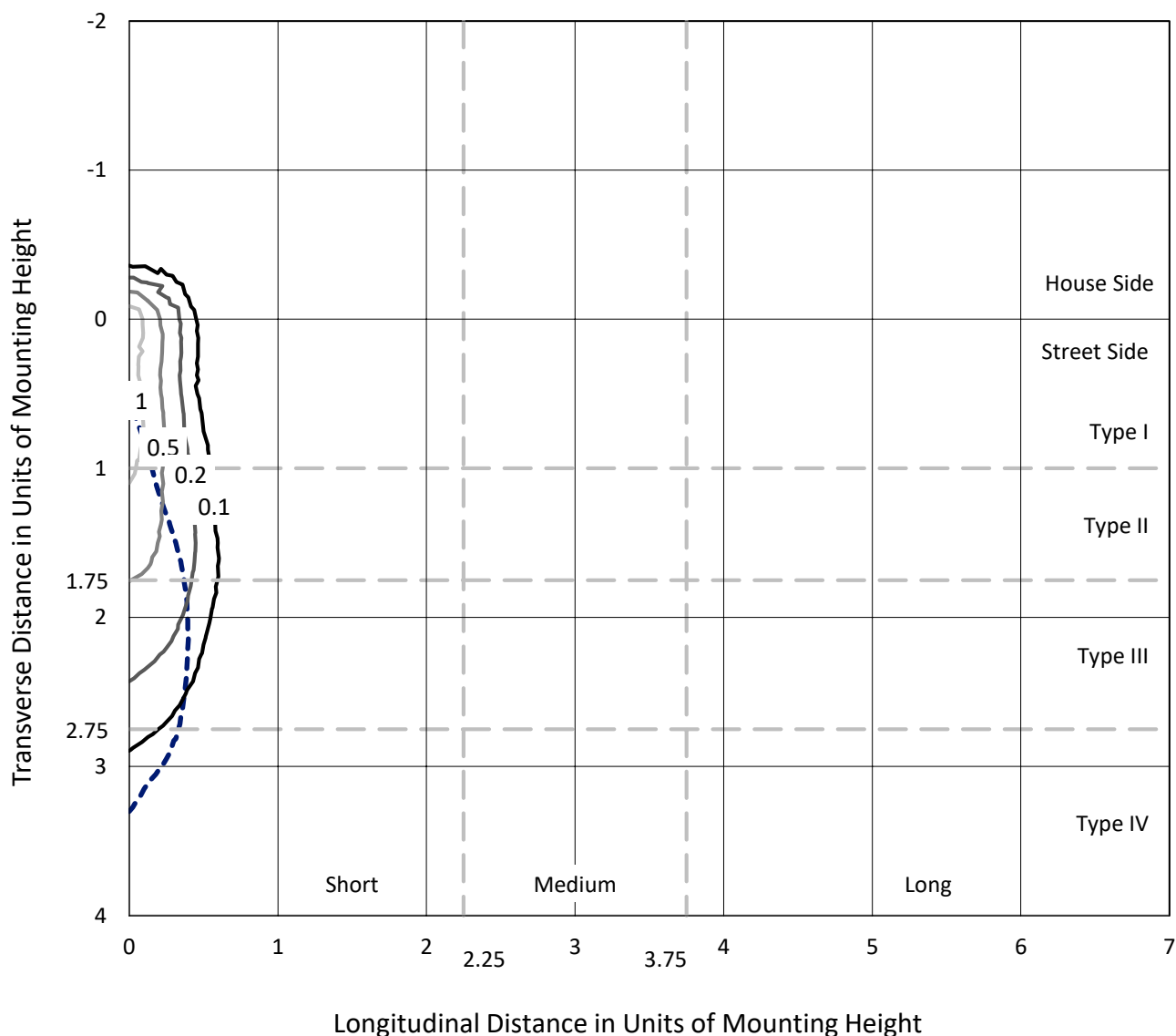
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324385
 CATALOG NUMBER: GAN-SA1A-727-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

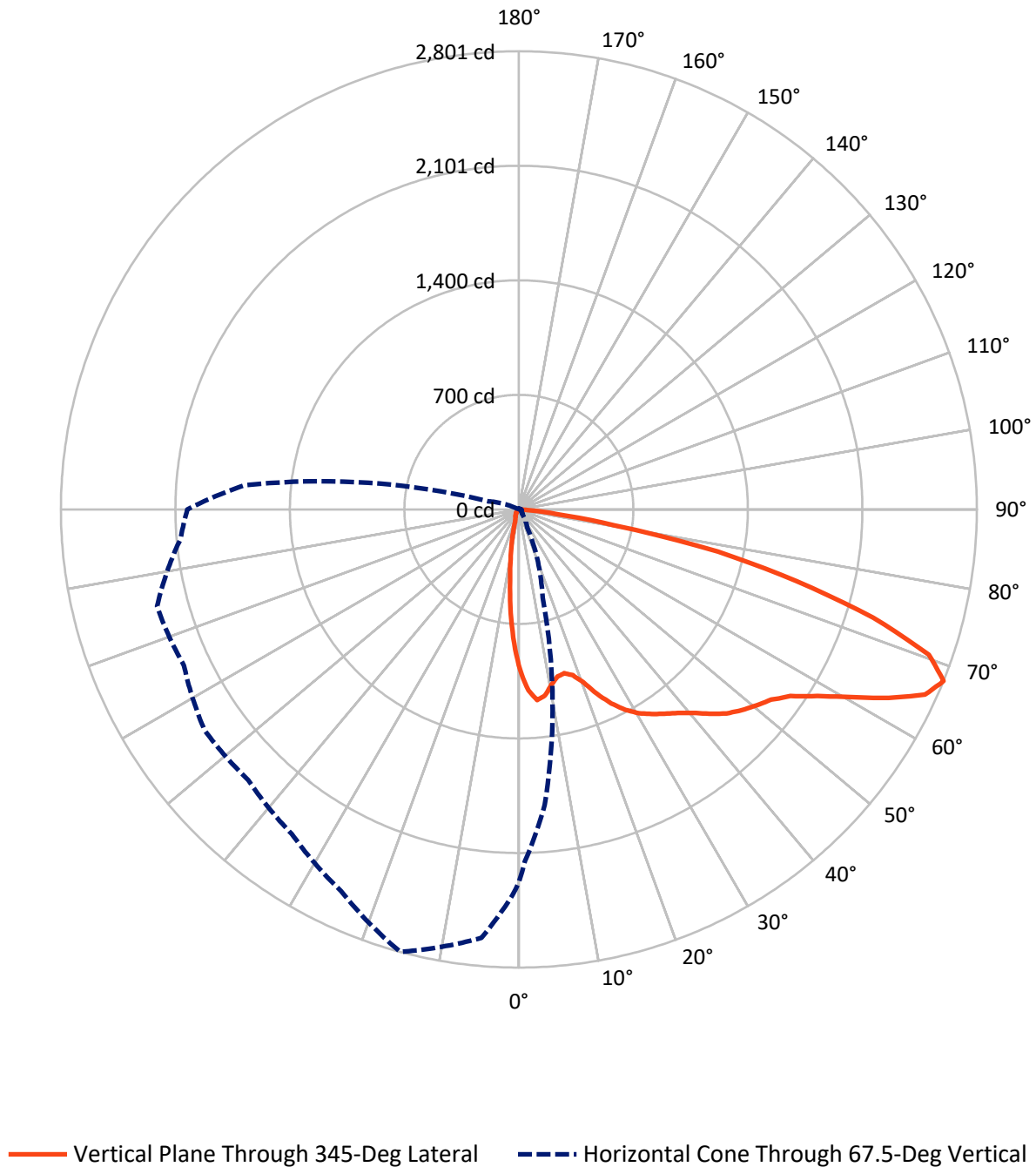
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P324385
CATALOG NUMBER: GAN-SA1A-727-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324385

CATALOG NUMBER: GAN-SA1A-727-U-SLR-HSS

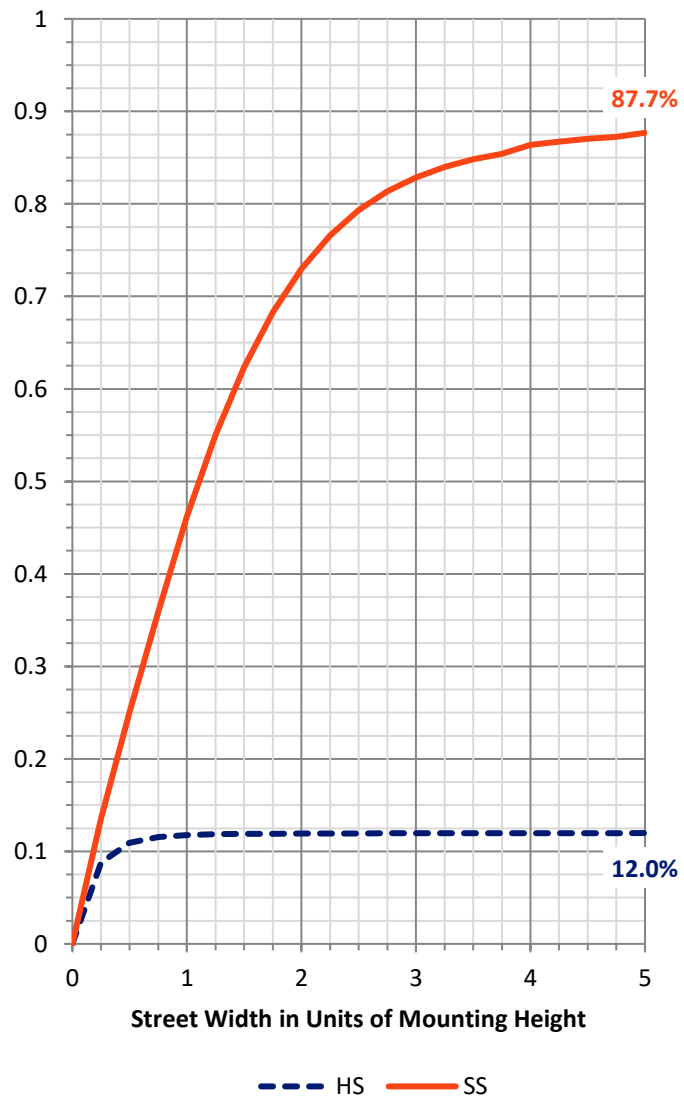
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	366.3	0.0	366.3
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	2659.8	0.0	2659.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	3026.0	0.0	3026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	2.5
10°-20°	150.6	5.0
20°-30°	213.8	7.1
30°-40°	315.8	10.4
40°-50°	455.5	15.1
50°-60°	639.4	21.1
60°-70°	745.4	24.6
70°-80°	381.1	12.6
80°-90°	48.7	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°	3026.0	100.0
0°-180°	3026.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324385

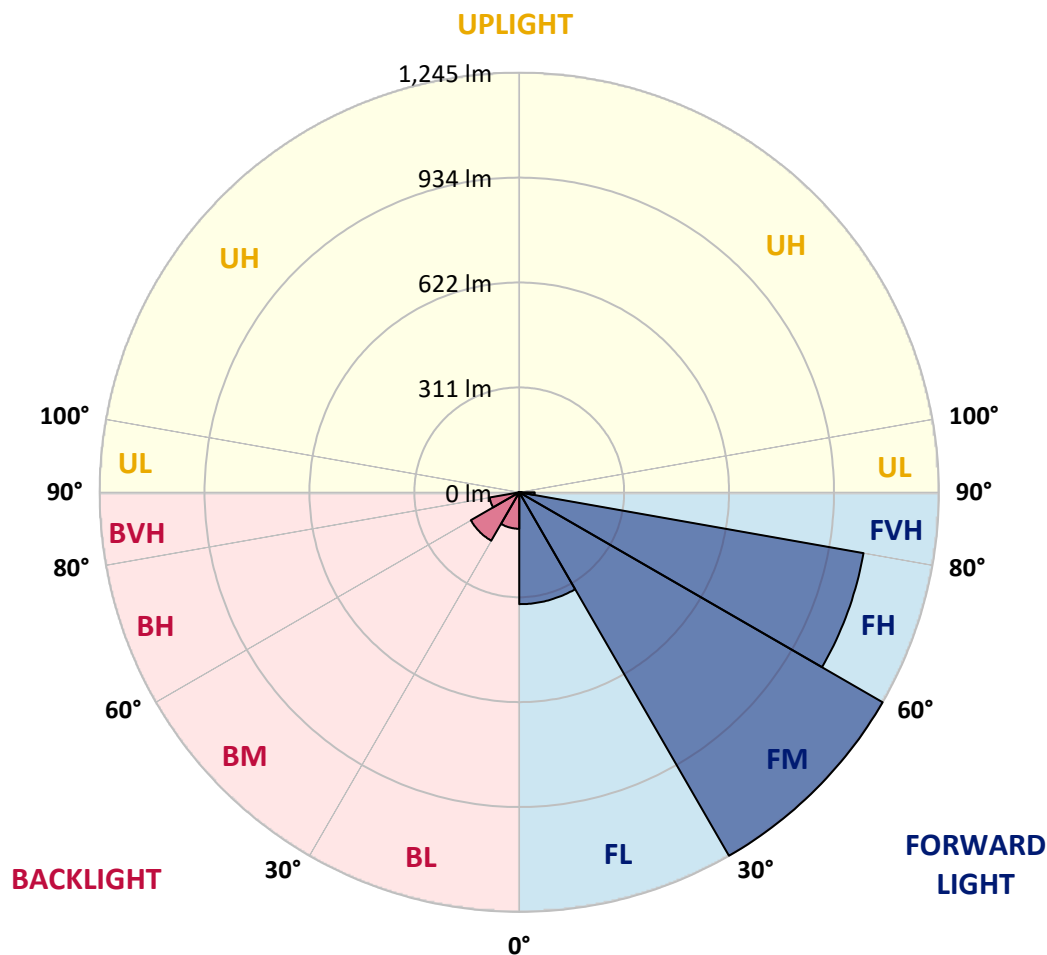
CATALOG NUMBER: GAN-SA1A-727-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.9	11.0			
FM	(30°-60°)	1244.9	41.1			
FH	(60°-80°)	1037.2	34.3			G1/1800
FVH	(80°-90°)	45.7	1.5			G1/100
BL	(0°-30°)	108.2	3.6	B0/110		
BM	(30°-60°)	165.9	5.5	B0/220		
BH	(60°-80°)	89.3	2.9	B0/110		G0/110
BVH	(80°-90°)	3.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium





REPORT NUMBER: P324385

CATALOG NUMBER: GAN-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7
2.5°	1079.3	1071.0	1061.8	1031.9	1004.1	972.2	946.3	928.2	905.6	876.2	868.7
5°	1071.6	1062.7	1033.9	967.2	908.9	852.1	797.3	765.2	725.4	685.0	674.9
7.5°	993.7	984.4	942.9	851.5	773.0	691.0	619.9	575.9	530.8	493.9	474.2
10°	912.7	902.6	855.8	745.0	648.3	574.1	522.0	480.0	437.4	397.8	366.3
12.5°	857.0	843.6	792.9	667.3	583.0	532.7	484.0	433.7	376.0	333.6	298.9
15°	833.6	818.4	764.8	637.4	559.9	500.9	437.4	375.6	308.1	259.5	227.6
17.5°	851.7	831.9	774.4	635.4	531.0	450.6	370.3	297.7	224.5	175.3	152.7
20°	913.0	887.1	814.1	634.8	495.9	390.8	289.0	207.0	147.9	119.0	107.1
22.5°	1009.7	975.4	871.2	639.4	459.6	328.0	208.7	140.6	111.1	96.0	89.0
25°	1126.3	1086.6	953.3	655.6	427.8	266.9	151.7	111.1	93.8	82.7	76.8
27.5°	1237.3	1205.0	1057.1	678.9	403.1	217.6	123.1	94.2	80.1	72.8	68.1
30°	1348.1	1307.5	1163.6	706.7	373.4	184.2	108.2	85.9	71.8	64.1	61.1
32.5°	1428.7	1395.0	1247.1	726.8	341.8	162.4	96.8	78.6	67.1	59.2	54.8
35°	1523.4	1485.3	1318.6	731.3	321.4	148.7	87.0	70.7	58.2	51.2	46.4
37.5°	1625.8	1578.3	1401.2	721.5	305.5	141.9	79.7	67.1	54.3	47.2	42.1
40°	1739.0	1685.4	1480.4	707.5	289.9	139.6	74.1	64.4	51.3	44.0	38.8
42.5°	1858.3	1795.1	1549.1	692.7	280.0	131.7	73.5	61.6	49.0	41.1	36.0
45°	1958.5	1894.4	1619.6	687.8	272.9	123.1	76.0	59.8	47.5	38.8	33.8
47.5°	2038.4	1977.7	1691.9	698.7	268.9	115.3	69.2	62.2	46.6	36.8	32.0
50°	2133.7	2065.0	1793.7	731.3	263.1	107.4	62.6	71.2	46.6	35.6	30.4
52.5°	2253.3	2185.3	1907.2	781.7	251.3	96.5	56.3	71.4	47.0	33.8	28.4
55°	2403.6	2354.3	2069.3	837.1	232.5	80.4	48.7	61.4	45.3	30.7	26.5
57.5°	2547.9	2507.6	2217.1	874.9	207.4	62.8	42.4	49.5	41.4	27.0	23.7
59°	2587.3	2543.3	2271.3	876.6	188.7	54.8	39.3	40.9	40.6	25.2	21.9
60°	2587.3	2540.5	2287.0	867.4	175.0	50.3	37.3	36.4	42.3	24.1	20.9
62.5°	2540.4	2474.7	2236.2	805.4	142.8	42.9	32.5	30.1	38.0	21.6	18.5
65°	2442.9	2347.3	2063.3	693.1	127.3	39.3	28.1	24.7	26.4	19.1	16.2
67.5°	2280.4	2150.8	1814.0	559.9	121.1	38.3	24.2	20.9	19.9	16.3	14.2
70°	1994.1	1850.3	1511.4	440.2	115.8	37.8	20.4	17.6	16.1	13.8	12.0
72.5°	1451.3	1301.4	1073.0	344.2	112.7	38.7	16.3	14.8	13.2	10.8	9.3
75°	830.2	732.0	603.1	227.4	96.0	37.0	12.6	12.3	9.5	7.7	6.5
77.5°	428.9	415.9	361.4	87.3	46.0	16.2	8.3	7.2	5.6	4.7	3.9
80°	185.1	183.1	158.4	25.2	12.2	9.0	4.7	3.0	2.6	2.0	1.6
82.5°	63.9	63.9	56.3	8.5	5.4	4.4	0.6	0.0	0.0	0.0	0.0
85°	12.9	14.5	10.2	0.0	1.9	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: P324385

CATALOG NUMBER: GAN-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7
2.5°	859.7	842.4	841.2	830.3	816.7	810.5	806.9	813.3	821.0	821.9	833.5
5°	667.3	649.1	656.7	637.4	641.2	637.4	631.1	632.2	635.6	624.9	638.2
7.5°	468.6	454.9	463.6	458.5	465.3	468.1	464.2	458.5	441.5	439.5	451.1
10°	353.2	337.6	328.3	318.5	320.7	325.1	323.7	319.5	308.8	309.4	320.5
12.5°	283.8	266.4	247.9	223.9	218.0	221.3	218.0	215.6	205.3	206.1	216.0
15°	215.3	201.0	181.6	162.4	152.0	153.0	143.8	137.3	130.9	123.1	129.2
17.5°	145.4	136.6	130.9	125.1	112.7	109.8	98.2	85.7	80.9	77.3	79.8
20°	102.9	98.2	95.9	95.6	88.5	84.9	73.5	65.8	63.4	62.6	64.2
22.5°	86.0	82.6	79.3	77.4	73.8	69.7	61.1	57.2	55.5	54.6	55.8
25°	74.8	72.3	68.8	65.7	64.2	59.8	53.6	50.7	49.6	48.7	49.3
27.5°	66.5	64.2	60.2	58.2	57.1	53.2	47.9	45.6	44.6	44.3	44.2
30°	59.9	57.8	54.0	51.8	49.7	46.3	43.2	40.9	39.9	39.6	39.3
32.5°	53.3	51.6	49.2	46.9	44.7	41.6	38.8	37.0	35.4	35.1	35.0
35°	45.0	43.3	42.0	41.9	39.9	36.8	34.8	32.4	31.1	30.7	30.8
37.5°	40.0	37.7	34.8	35.8	35.3	33.1	30.4	28.0	26.7	26.4	26.4
40°	36.8	34.4	31.1	29.4	31.1	30.7	26.4	23.9	22.7	22.5	22.2
42.5°	33.8	31.4	27.7	24.8	25.7	27.0	22.8	20.5	19.2	18.9	18.5
45°	31.7	29.1	24.9	21.6	19.9	22.7	19.5	16.6	15.9	15.3	15.1
47.5°	29.7	27.2	22.5	18.8	15.9	16.3	15.6	13.6	12.8	12.2	12.0
50°	28.0	25.4	20.4	16.1	13.2	12.0	12.6	10.8	10.0	9.5	9.2
52.5°	25.9	23.5	18.1	13.9	11.0	9.5	9.6	8.5	7.7	7.3	7.2
55°	24.4	21.9	16.2	12.2	9.7	7.7	6.9	6.6	6.2	5.9	5.7
57.5°	22.2	19.9	14.3	10.3	8.3	6.3	5.3	5.3	5.2	4.9	4.7
59°	20.9	18.9	13.2	9.3	7.6	5.4	4.7	4.9	4.7	4.4	4.3
60°	19.9	18.1	12.3	8.6	7.2	5.0	4.3	4.6	4.4	4.2	4.0
62.5°	17.6	16.3	10.6	7.2	6.3	4.0	3.6	3.9	3.9	3.7	3.6
65°	15.5	14.0	9.0	6.0	5.9	3.4	2.9	3.4	3.6	3.3	3.0
67.5°	13.5	12.0	7.9	4.9	5.4	2.7	2.2	2.9	3.9	3.0	2.7
70°	11.5	10.0	6.2	3.9	5.7	1.9	1.7	2.6	4.6	3.3	2.6
72.5°	8.9	7.7	4.3	2.9	6.2	1.3	1.3	2.2	5.2	3.6	2.4
75°	6.2	5.0	2.6	1.7	5.0	0.9	0.9	2.0	4.9	3.3	2.3
77.5°	3.6	2.7	0.9	0.1	2.6	0.0	0.1	1.4	3.4	2.0	1.0
80°	1.3	0.6	0.0	0.0	1.6	0.0	0.0	0.0	0.3	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: P324385

CATALOG NUMBER: GAN-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7
2.5°	836.5	855.8	873.2	899.4	930.5	966.4	997.2	1030.3	1061.4	1074.3	1083.2
5°	640.9	664.9	692.8	731.4	782.7	845.9	905.1	972.1	1044.1	1080.0	1113.9
7.5°	453.1	477.5	512.2	553.2	615.3	690.5	768.0	860.4	957.9	1014.8	1070.9
10°	325.8	355.8	388.2	444.3	507.3	578.7	658.4	761.6	870.3	933.4	1000.9
12.5°	221.8	255.9	304.9	367.7	441.8	511.8	581.0	679.5	805.7	868.2	940.6
15°	133.0	152.0	203.9	276.5	367.4	454.6	530.4	629.2	763.7	840.2	915.5
17.5°	82.0	90.7	119.0	178.6	274.1	384.3	488.3	612.1	769.7	862.9	943.4
20°	65.4	68.8	77.8	105.5	181.6	306.9	440.8	608.7	818.8	933.5	1020.0
22.5°	56.8	60.1	66.1	76.7	114.3	229.8	395.8	611.8	889.4	1039.5	1140.4
25°	50.0	52.9	58.6	67.4	83.7	161.8	347.6	625.9	981.3	1170.9	1278.2
27.5°	44.7	47.2	52.5	60.5	71.8	113.0	293.0	643.0	1090.2	1305.4	1411.2
30°	39.9	42.0	46.7	54.2	62.4	86.9	233.1	654.6	1199.3	1411.2	1506.2
32.5°	35.7	37.3	41.6	47.9	54.2	69.2	177.2	652.7	1280.3	1499.2	1574.6
35°	31.4	33.0	36.7	42.1	47.2	57.2	139.3	617.9	1350.8	1590.5	1652.9
37.5°	26.7	28.7	32.3	37.1	40.6	50.3	112.7	575.9	1422.4	1694.9	1740.2
40°	22.7	24.7	27.8	33.1	35.3	47.7	86.6	524.7	1502.8	1811.6	1836.0
42.5°	18.8	20.6	23.9	28.5	33.3	41.1	64.1	466.2	1580.1	1911.4	1923.3
45°	15.2	17.1	20.5	25.1	35.6	34.1	49.6	403.5	1642.4	1994.4	1998.2
47.5°	12.0	13.8	17.3	23.7	33.1	27.2	35.4	354.4	1694.8	2059.2	2049.0
50°	9.3	10.8	14.5	27.1	29.0	22.5	26.8	338.0	1741.6	2099.3	2072.9
52.5°	7.3	8.6	11.9	25.4	22.5	18.6	22.5	353.4	1805.9	2132.6	2086.4
55°	5.9	7.2	9.3	14.5	15.3	15.8	19.2	367.7	1916.7	2210.5	2166.0
57.5°	4.9	6.2	7.6	10.2	11.6	13.3	17.1	369.3	2047.3	2340.1	2298.0
59°	4.4	5.6	6.9	9.0	10.2	12.2	16.1	360.7	2093.3	2387.3	2366.2
60°	4.2	5.3	6.5	8.3	9.5	11.5	15.5	352.5	2095.3	2385.6	2395.3
62.5°	3.6	4.7	5.7	7.0	8.0	9.7	13.9	322.3	2010.4	2307.5	2377.8
65°	3.2	4.2	5.2	6.0	6.9	8.7	12.6	267.1	1865.5	2181.4	2258.1
67.5°	2.9	3.6	4.7	5.3	6.2	7.7	11.2	190.4	1684.4	2027.3	2077.1
70°	2.6	3.4	4.3	4.9	5.6	6.7	9.6	109.4	1422.4	1801.7	1837.1
72.5°	2.4	3.3	3.9	4.6	5.0	6.0	8.7	51.5	1041.5	1443.3	1535.8
75°	2.2	3.0	3.6	4.3	4.7	5.4	7.5	24.7	692.7	1044.5	1149.6
77.5°	1.3	2.4	3.3	3.9	4.2	4.7	6.2	14.2	442.1	722.9	851.5
80°	0.0	0.9	2.4	3.3	3.6	4.0	4.7	11.2	236.5	413.0	495.7
82.5°	0.0	0.0	1.7	2.6	2.4	2.7	3.6	7.0	106.7	269.9	304.2
85°	0.0	0.0	0.6	2.0	1.7	1.3	2.4	2.4	23.4	136.6	170.4
87.5°	0.0	0.0	0.0	0.1	0.9	0.6	1.0	0.3	0.1	10.2	41.3
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: P324385

CATALOG NUMBER: GAN-SA1A-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7	985.7
2.5°	1114.3	1124.9	1142.8	1151.3	1147.1	1129.5	1108.4	1086.9	1074.3	1079.3
5°	1182.8	1237.4	1269.0	1279.4	1262.0	1222.4	1170.6	1102.4	1078.2	1071.6
7.5°	1182.8	1285.6	1350.7	1362.2	1323.2	1245.6	1148.6	1042.1	1006.6	993.7
10°	1141.3	1281.2	1371.9	1390.1	1335.6	1219.7	1089.6	968.1	926.1	912.7
12.5°	1094.4	1245.0	1340.7	1365.7	1321.0	1193.9	1048.8	918.0	868.6	857.0
15°	1065.6	1200.6	1279.7	1297.9	1279.0	1178.8	1039.0	903.0	844.8	833.6
17.5°	1075.9	1166.2	1194.7	1205.3	1218.1	1173.5	1065.6	936.0	862.3	851.7
20°	1114.7	1129.9	1115.2	1128.5	1162.9	1178.7	1128.8	1015.7	927.2	913.0
22.5°	1180.7	1111.2	1069.7	1075.0	1116.9	1195.7	1225.4	1129.5	1027.4	1009.7
25°	1257.5	1126.3	1044.5	1039.8	1082.8	1218.2	1313.7	1253.4	1146.0	1126.3
27.5°	1354.1	1160.5	1039.3	1034.6	1070.9	1239.3	1387.1	1375.8	1270.8	1237.3
30°	1428.7	1194.0	1054.7	1043.8	1082.8	1253.9	1446.0	1479.7	1370.3	1348.1
32.5°	1482.2	1233.6	1079.6	1063.8	1116.3	1279.2	1491.5	1574.9	1462.4	1428.7
35°	1522.9	1276.6	1119.9	1093.9	1162.5	1317.4	1534.0	1676.3	1560.3	1523.4
37.5°	1561.0	1336.9	1182.8	1151.9	1234.9	1379.1	1579.1	1791.2	1669.8	1625.8
40°	1614.2	1405.3	1279.9	1252.4	1356.6	1463.1	1635.3	1911.1	1794.4	1739.0
42.5°	1667.4	1478.7	1379.2	1386.7	1508.4	1565.2	1707.8	2037.8	1917.4	1858.3
45°	1716.0	1554.4	1520.7	1555.1	1649.3	1677.1	1779.9	2111.1	2015.6	1958.5
47.5°	1759.3	1649.0	1661.3	1753.0	1809.6	1778.5	1833.8	2174.3	2088.7	2038.4
50°	1809.6	1771.4	1846.7	1976.3	1994.1	1870.2	1882.8	2249.1	2174.1	2133.7
52.5°	1864.6	1900.5	2052.0	2166.2	2160.5	1969.9	1932.1	2333.0	2291.3	2253.3
55°	1927.1	2004.7	2232.8	2344.0	2339.1	2081.1	2013.9	2436.6	2438.1	2403.6
57.5°	2019.9	2094.4	2355.5	2487.8	2496.0	2209.5	2152.3	2552.7	2570.8	2547.9
59°	2086.4	2152.6	2404.1	2547.9	2581.1	2308.9	2253.6	2620.1	2608.2	2587.3
60°	2135.7	2189.6	2428.2	2579.3	2630.6	2376.3	2328.2	2659.7	2612.7	2587.3
62.5°	2257.7	2270.2	2471.6	2614.8	2687.5	2525.9	2538.4	2727.1	2581.8	2540.4
65°	2314.6	2321.1	2471.0	2551.2	2632.4	2642.5	2729.1	2729.1	2506.6	2442.9
67.5°	2290.8	2259.7	2348.5	2340.1	2421.3	2573.2	2800.7	2629.0	2362.6	2280.4
70°	2097.3	1977.6	1938.2	1941.8	2003.8	2238.2	2658.8	2334.5	2090.3	1994.1
72.5°	1745.1	1457.9	1360.6	1471.7	1487.9	1720.1	2265.9	1758.1	1541.5	1451.3
75°	1403.6	1027.7	869.5	986.7	1014.2	1258.8	1752.8	1095.0	900.4	830.2
77.5°	1008.4	737.7	623.9	615.7	651.3	798.3	1243.8	551.1	459.6	428.9
80°	572.8	485.5	522.8	493.3	511.2	499.2	590.9	241.7	198.0	185.1
82.5°	345.8	287.0	310.8	258.8	327.4	285.1	227.6	77.4	67.2	63.9
85°	224.9	156.8	81.7	54.8	112.8	182.2	50.9	21.1	16.2	12.9
87.5°	77.6	40.0	4.0	1.7	12.0	34.0	1.9	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)