

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: P318947

Luminaire Tested: **GAN-SA3A-727-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-727-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11814 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

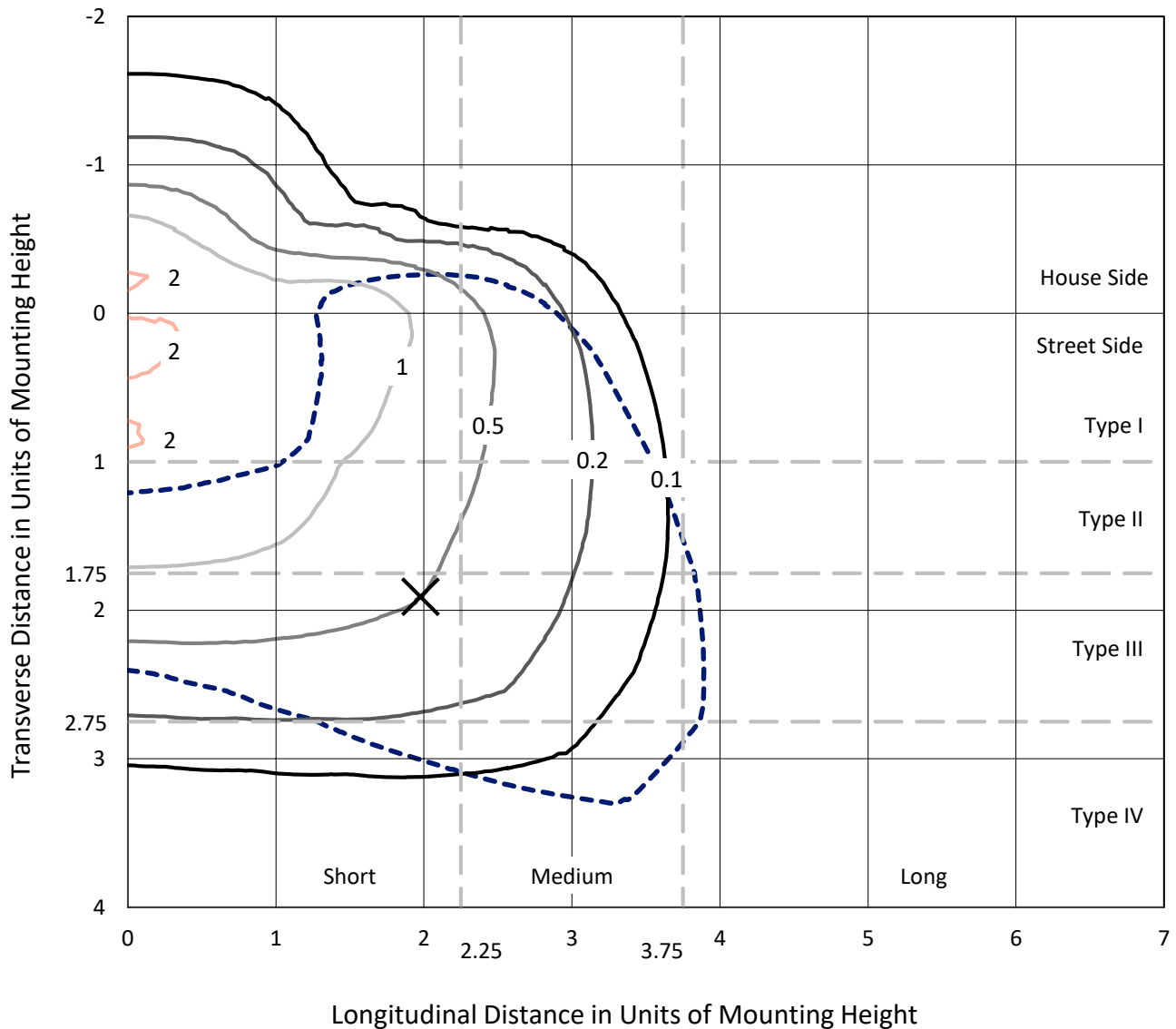
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318947
 CATALOG NUMBER: GAN-SA3A-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

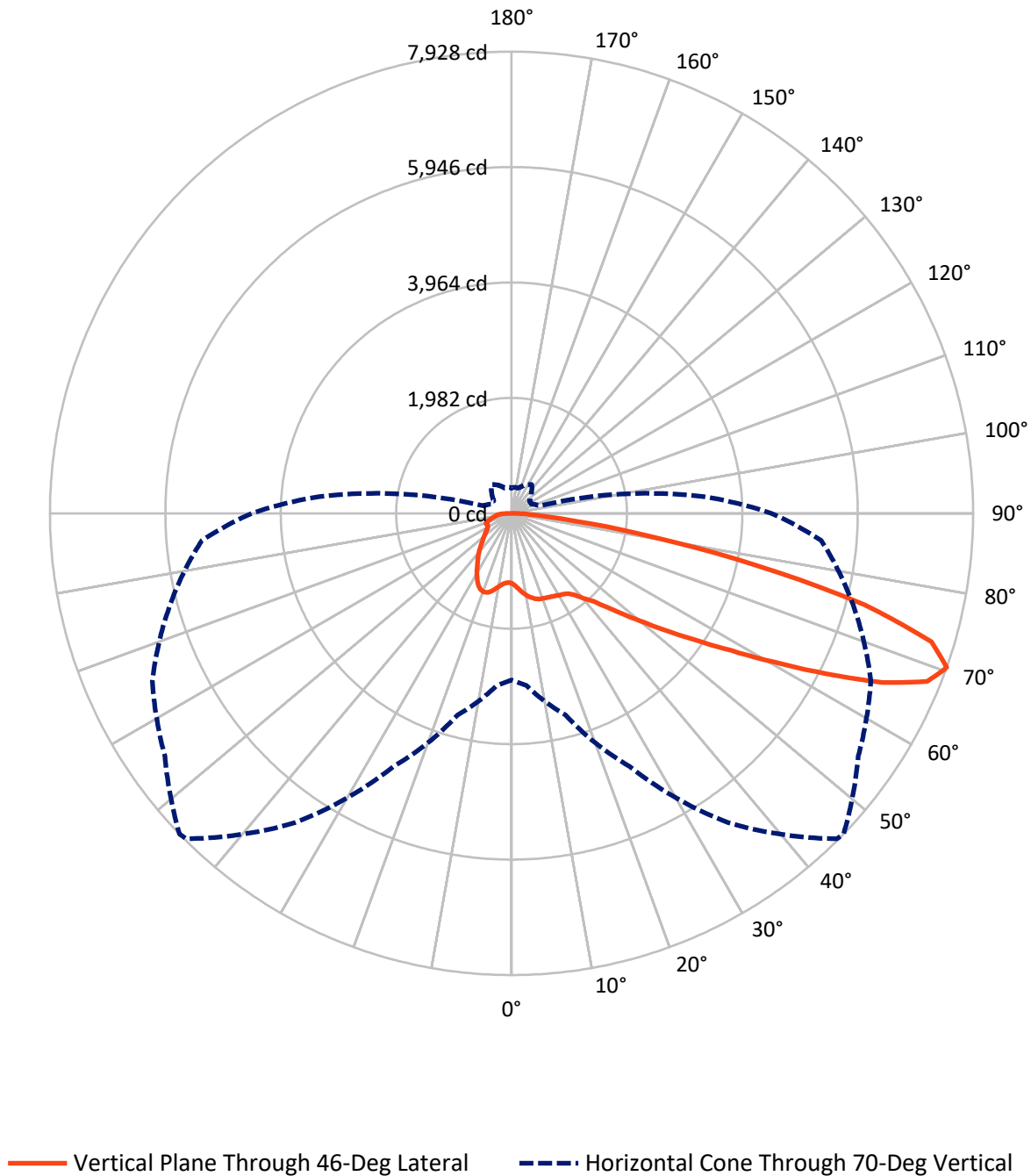
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P318947
CATALOG NUMBER: GAN-SA3A-727-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P318947

CATALOG NUMBER: GAN-SA3A-727-U-T4W

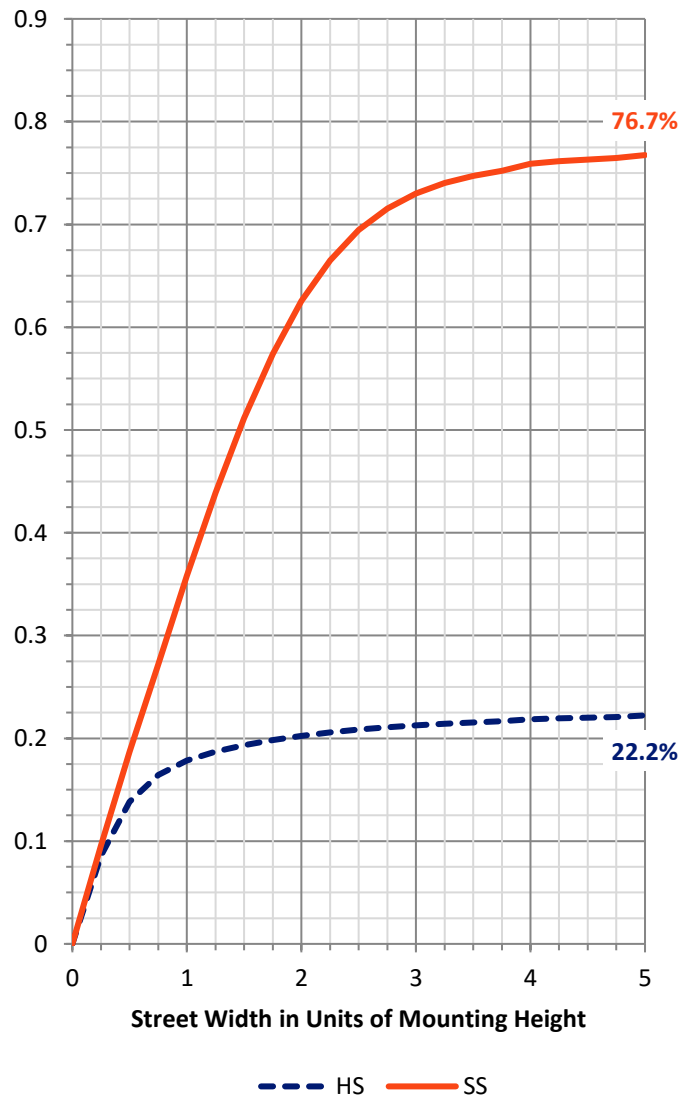
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2707.7	0.0	2707.7
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	9106.3	0.0	9106.3
	% Fixture	77.1	0.0	77.1
Total	Lumens	11814.0	0.0	11814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	1.0
10°-20°	408.8	3.5
20°-30°	681.6	5.8
30°-40°	967.3	8.2
40°-50°	1422.8	12.0
50°-60°	2409.5	20.4
60°-70°	3420.2	29.0
70°-80°	2077.8	17.6
80°-90°	303.2	2.6
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°	11814.0	100.0
0°-180°	11814.0	100.0

Coefficient of Utilization



REPORT NUMBER: P318947

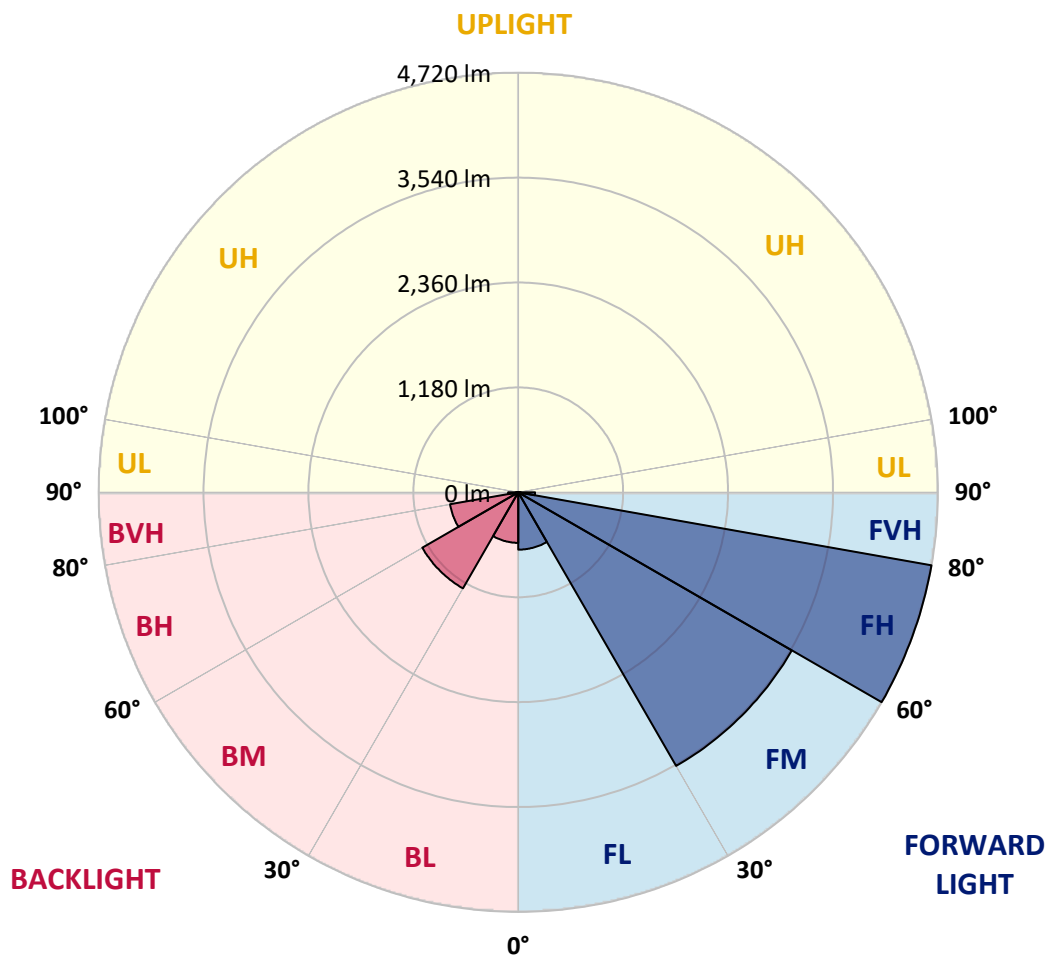
CATALOG NUMBER: GAN-SA3A-727-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	644.6	5.5			
FM	(30°-60°)	3553.1	30.1			
FH	(60°-80°)	4719.6	39.9			G2/5000
FVH	(80°-90°)	188.9	1.6			G2/225
BL	(0°-30°)	568.5	4.8	B2/1000		
BM	(30°-60°)	1246.4	10.6	B2/2500		
BH	(60°-80°)	778.5	6.6	B2/1000		G2/1000
BVH	(80°-90°)	114.3	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





REPORT NUMBER: P318947

CATALOG NUMBER: GAN-SA3A-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6
2.5°	1263.9	1264.7	1266.3	1262.2	1250.9	1247.7	1246.5	1234.7	1227.1	1215.7	1206.0
5°	1364.9	1365.7	1363.3	1352.0	1326.9	1308.3	1306.7	1280.0	1255.8	1229.9	1210.5
7.5°	1470.5	1471.7	1464.0	1442.6	1407.4	1375.0	1373.0	1336.6	1299.8	1260.6	1231.5
10°	1563.9	1559.0	1546.5	1516.5	1474.9	1435.3	1433.7	1395.7	1353.2	1305.9	1267.1
12.5°	1626.1	1622.1	1605.9	1569.5	1523.8	1487.4	1484.2	1449.0	1407.8	1356.0	1309.5
15°	1660.5	1663.3	1641.5	1600.2	1555.8	1525.0	1522.2	1497.1	1460.3	1408.2	1354.8
17.5°	1664.9	1667.4	1646.3	1605.5	1569.1	1548.1	1546.9	1530.3	1503.6	1453.5	1397.7
20°	1639.1	1640.7	1623.3	1589.7	1565.9	1559.4	1559.0	1551.7	1531.9	1487.4	1433.3
22.5°	1601.5	1602.7	1590.1	1565.9	1557.8	1567.9	1570.7	1567.9	1553.7	1512.1	1461.2
25°	1592.2	1591.3	1578.4	1553.7	1560.6	1582.0	1585.7	1586.9	1577.2	1540.8	1496.7
27.5°	1637.0	1634.2	1609.5	1569.9	1574.4	1600.2	1605.1	1616.8	1610.8	1578.8	1537.2
30°	1766.8	1762.0	1711.4	1631.4	1609.5	1622.9	1628.9	1647.5	1648.8	1622.1	1590.9
32.5°	1985.9	1979.9	1889.3	1746.2	1669.0	1645.9	1651.6	1679.5	1694.4	1673.8	1640.3
35°	2262.9	2256.0	2137.2	1941.5	1768.4	1690.0	1694.0	1716.3	1746.2	1717.1	1672.6
37.5°	2551.6	2535.0	2420.6	2171.1	1926.5	1784.2	1784.2	1787.0	1801.2	1740.5	1710.6
40°	2838.6	2822.0	2718.5	2441.2	2131.1	1932.6	1923.3	1860.6	1849.3	1797.1	1787.0
42.5°	3105.5	3100.6	3039.6	2746.4	2371.2	2078.5	2065.6	1959.3	1961.7	1929.3	1929.7
45°	3389.3	3389.3	3339.6	3054.5	2651.0	2313.0	2300.1	2143.6	2167.9	2152.9	2188.9
47.5°	3621.0	3628.2	3621.4	3375.5	2976.5	2611.0	2587.6	2399.1	2467.1	2518.4	2623.1
50°	3857.5	3868.8	3870.0	3727.7	3369.9	2965.2	2938.5	2738.4	2890.0	3037.1	3242.9
52.5°	4200.7	4226.2	4124.7	4079.0	3851.8	3385.6	3359.4	3174.6	3427.7	3634.3	3988.9
55°	4518.9	4496.7	4424.3	4452.6	4367.7	3864.3	3844.5	3682.4	4026.9	4295.3	4755.8
57.5°	4691.1	4689.5	4762.3	4883.6	4924.0	4454.6	4438.1	4280.4	4702.5	4904.2	5475.9
60°	4893.3	4896.1	5076.5	5351.8	5518.4	5189.7	5182.4	5062.7	5358.7	5472.7	6040.7
62.5°	4921.6	4972.5	5283.1	5756.9	6074.7	6048.4	6064.6	5767.4	5945.7	5926.3	6462.4
65°	4596.1	4663.3	5225.2	5879.4	6627.8	6987.6	7002.6	6476.2	6408.6	6314.0	6613.2
67.5°	3929.0	4028.5	4639.0	5613.0	6810.1	7681.8	7702.8	7025.6	6792.7	6445.4	6250.1
70°	2859.2	2969.6	3584.2	4793.8	6485.0	7903.8	7927.6	7268.6	6807.3	6071.4	5335.6
72.5°	1727.2	1813.7	2320.3	3529.2	5473.5	7499.4	7541.9	6960.5	6215.0	5142.8	3940.0
75°	758.5	815.1	1121.9	2033.7	3918.5	6204.9	6257.8	5957.8	5049.8	3737.4	2328.8
77.5°	323.0	339.2	460.1	883.4	2215.2	4239.9	4312.7	4353.1	3426.1	2033.7	984.1
80°	201.3	207.8	260.4	399.9	1036.6	2381.4	2459.8	2561.3	1701.3	747.6	343.7
82.5°	122.5	129.8	173.0	241.8	539.7	1079.5	1117.1	1188.7	660.2	323.0	177.9
85°	73.6	78.8	105.9	152.8	307.3	424.5	424.1	469.0	310.9	207.8	93.8
87.5°	35.2	39.2	56.6	79.2	154.8	159.3	149.2	169.0	188.8	136.3	47.3
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: P318947

CATALOG NUMBER: GAN-SA3A-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6	1203.6
2.5°	1202.8	1201.2	1195.9	1191.9	1191.1	1188.7	1186.6	1187.8	1189.5	1189.9	1189.9
5°	1202.4	1198.0	1191.1	1188.3	1191.9	1196.7	1202.8	1210.9	1215.7	1219.4	1221.8
7.5°	1221.8	1213.3	1205.6	1204.0	1211.3	1224.2	1238.0	1255.0	1266.7	1274.8	1276.4
10°	1254.2	1243.6	1236.0	1237.6	1250.5	1269.1	1288.5	1310.4	1328.1	1339.1	1339.9
12.5°	1291.3	1281.2	1274.0	1280.8	1302.3	1324.9	1345.1	1364.1	1380.3	1391.2	1391.2
15°	1334.2	1326.9	1318.4	1334.2	1363.3	1383.5	1392.0	1401.3	1410.2	1418.3	1416.7
17.5°	1375.4	1368.6	1364.1	1382.7	1413.0	1422.3	1416.7	1409.8	1409.8	1414.3	1415.1
20°	1411.0	1405.0	1407.8	1426.0	1441.8	1432.0	1411.0	1389.2	1380.3	1382.7	1385.1
22.5°	1442.2	1439.3	1447.8	1456.3	1445.0	1411.0	1372.2	1342.7	1331.8	1331.0	1331.8
25°	1478.5	1478.1	1488.7	1473.3	1423.2	1360.5	1308.3	1279.6	1273.6	1278.4	1286.5
27.5°	1523.8	1528.3	1533.5	1477.3	1378.7	1284.1	1231.1	1211.3	1217.4	1229.1	1236.8
30°	1581.6	1593.8	1582.4	1467.2	1314.8	1196.7	1146.2	1140.5	1157.1	1173.7	1181.8
32.5°	1637.8	1656.8	1629.3	1440.9	1232.3	1104.2	1064.9	1063.3	1083.5	1099.7	1111.0
35°	1683.1	1720.7	1664.5	1388.8	1136.9	1018.8	990.1	979.2	986.5	1005.5	1018.4
37.5°	1742.1	1804.8	1688.8	1309.1	1033.4	948.5	914.9	889.9	883.4	891.1	897.6
40°	1850.1	1933.0	1700.1	1198.0	932.3	878.2	844.2	807.4	781.9	763.3	763.7
42.5°	2026.4	2100.0	1692.8	1062.9	838.9	809.4	771.0	728.6	687.3	645.3	642.0
45°	2312.6	2348.2	1671.0	919.8	756.9	737.5	701.5	659.0	604.0	556.3	551.9
47.5°	2770.7	2691.9	1637.0	794.9	684.5	676.4	643.2	594.3	536.1	497.7	494.5
50°	3395.4	3187.9	1620.5	695.4	620.6	623.0	595.9	544.2	489.2	460.9	457.7
52.5°	4142.5	3765.7	1652.4	618.6	569.3	577.8	557.5	509.0	462.9	440.7	437.5
55°	4917.6	4364.1	1686.8	562.8	520.7	537.3	530.4	490.4	448.8	428.2	425.3
57.5°	5581.0	4810.8	1618.0	517.5	477.5	503.4	509.4	478.7	441.5	422.9	419.7
60°	5998.7	4990.7	1437.7	475.1	443.1	476.3	497.3	475.5	444.3	442.7	440.3
62.5°	6196.8	4975.0	1167.2	441.5	421.7	464.5	506.2	493.7	476.7	491.2	492.4
65°	6107.8	4737.2	869.3	419.3	406.3	469.0	532.9	528.0	486.0	500.5	502.6
67.5°	5522.4	4170.0	643.7	399.9	389.3	481.5	581.4	539.3	467.8	478.3	471.8
70°	4463.5	3306.0	496.5	378.0	372.0	479.9	603.2	532.5	448.0	450.4	433.0
72.5°	3078.0	2254.4	403.9	357.8	346.9	437.5	587.9	515.5	431.4	412.8	389.7
75°	1673.8	1210.1	343.3	336.8	302.8	384.1	559.6	503.4	416.4	391.8	378.8
77.5°	658.6	502.1	298.0	308.1	264.8	339.2	528.0	480.3	395.8	363.5	357.0
80°	268.9	256.3	247.0	266.4	227.6	296.8	490.0	453.2	371.2	337.2	324.3
82.5°	152.4	159.3	192.0	210.2	184.8	273.3	471.8	431.4	341.6	302.0	286.7
85°	78.0	93.4	133.8	150.8	135.8	232.5	434.6	377.6	274.1	231.3	232.5
87.5°	37.6	52.2	84.5	94.6	88.1	168.2	324.7	273.7	213.5	169.0	163.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)