

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: P323455

Luminaire Tested: **GAN-SA1D-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5805 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

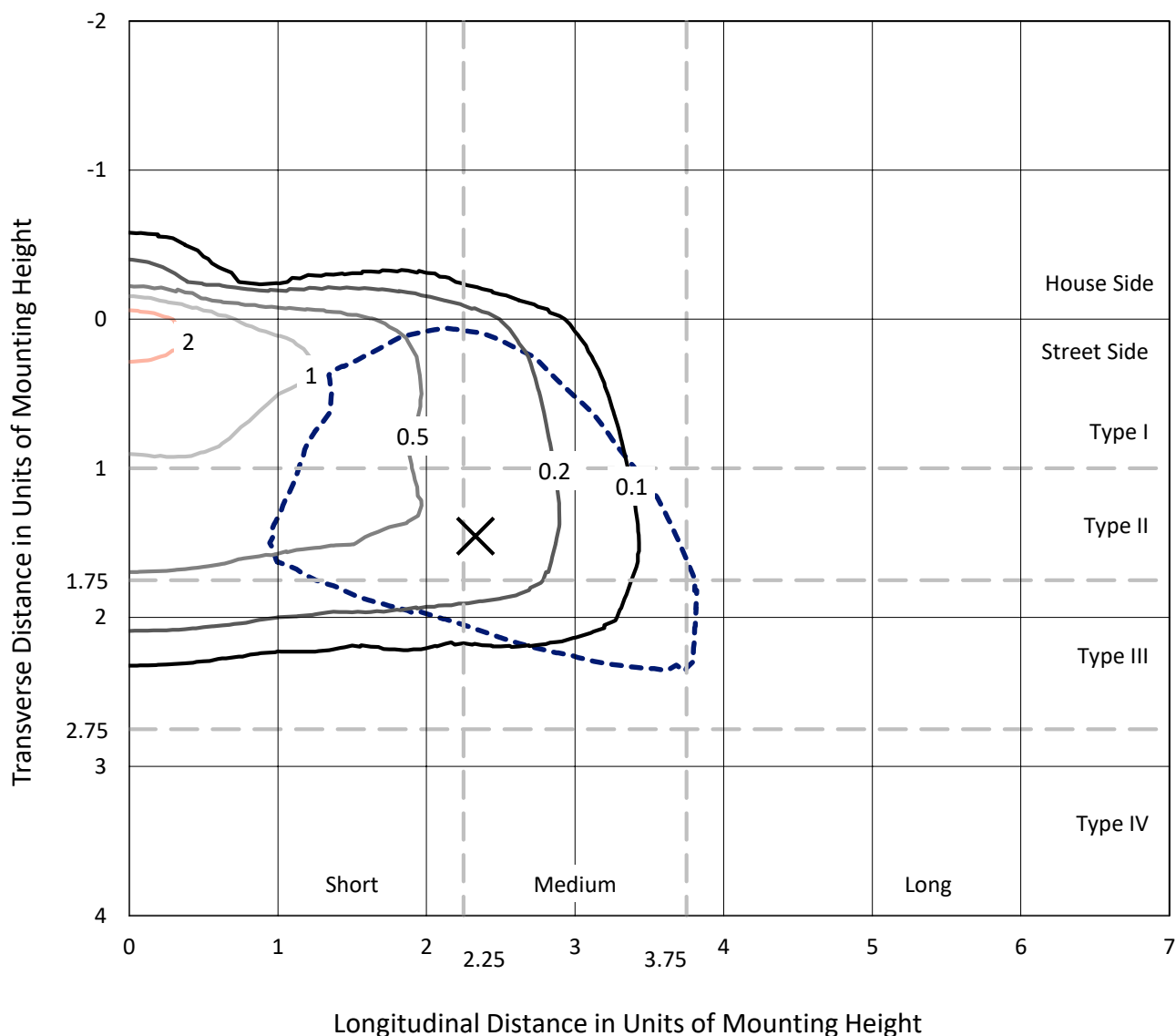
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323455
 CATALOG NUMBER: GAN-SA1D-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

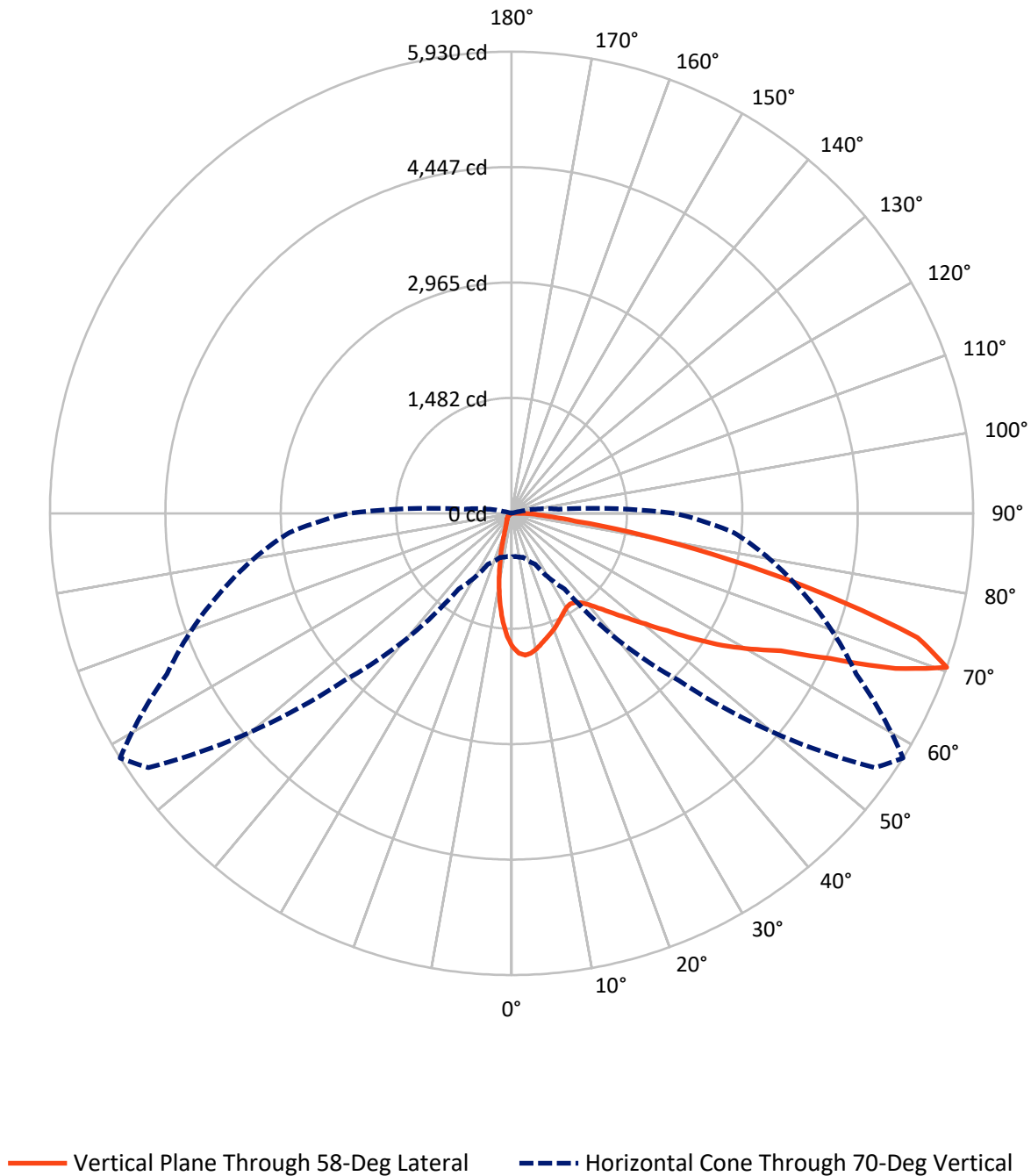
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P323455
CATALOG NUMBER: GAN-SA1D-727-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P323455

CATALOG NUMBER: GAN-SA1D-727-U-SL3-HSS

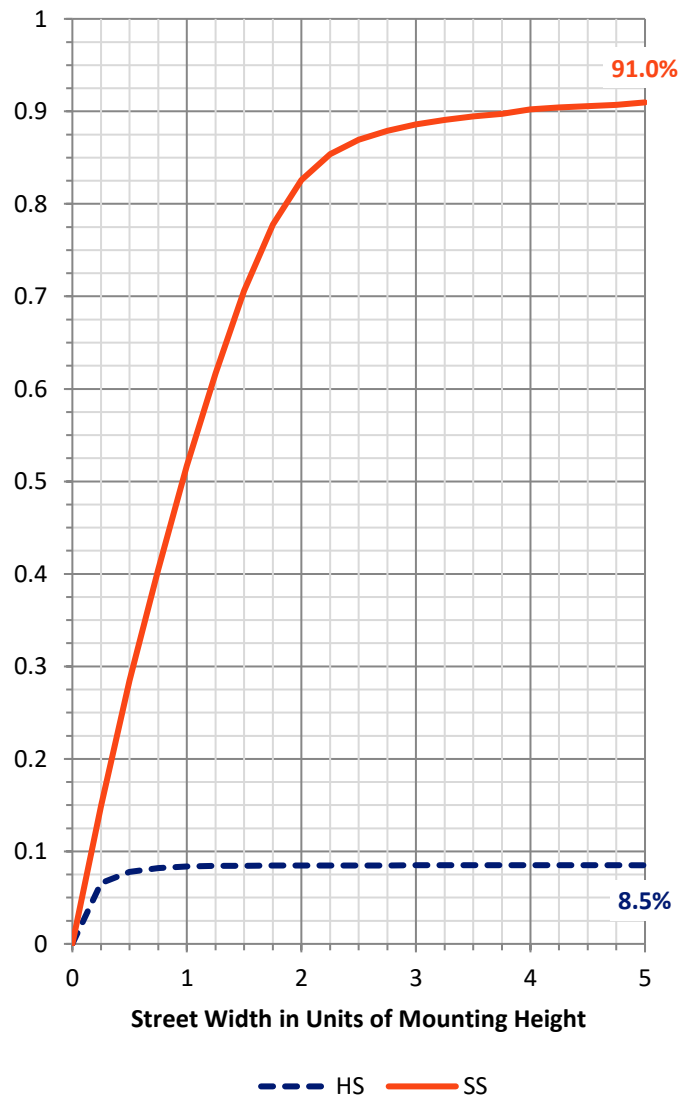
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	496.8	0.0	496.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	5308.2	0.0	5308.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	5805.0	0.0	5805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.2	2.4
10°-20°	294.3	5.1
20°-30°	386.9	6.7
30°-40°	512.4	8.8
40°-50°	765.9	13.2
50°-60°	1226.9	21.1
60°-70°	1546.5	26.6
70°-80°	834.2	14.4
80°-90°	97.6	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°	5805.0	100.0
0°-180°	5805.0	100.0

Coefficient of Utilization



REPORT NUMBER: P323455

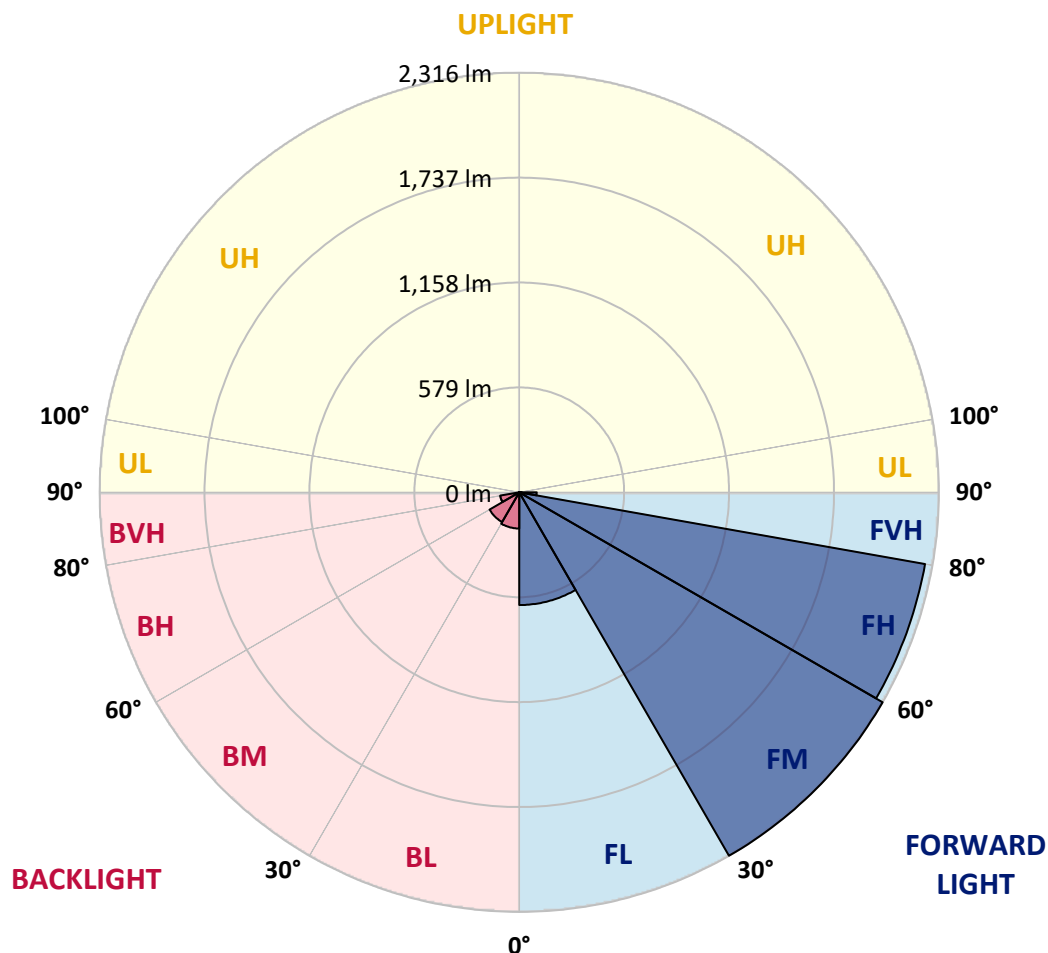
CATALOG NUMBER: GAN-SA1D-727-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	621.8	10.7			
FM	(30°-60°)	2315.7	39.9			
FH	(60°-80°)	2273.9	39.2			G2/5000
FVH	(80°-90°)	96.8	1.7			G1/100
BL	(0°-30°)	199.6	3.4	B1/500		
BM	(30°-60°)	189.5	3.3	B0/220		
BH	(60°-80°)	106.8	1.8	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



REPORT NUMBER: P323455

CATALOG NUMBER: GAN-SA1D-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8
2.5°	1856.9	1852.4	1850.7	1847.8	1836.7	1825.8	1804.3	1798.3	1784.8	1752.7	1718.6
5°	1858.4	1858.1	1863.2	1862.0	1858.1	1853.1	1837.6	1829.7	1806.7	1760.9	1698.6
7.5°	1768.8	1773.4	1784.8	1793.9	1804.6	1818.3	1820.3	1812.5	1793.7	1744.2	1661.7
10°	1648.6	1655.9	1671.8	1689.9	1717.7	1745.2	1769.8	1768.8	1762.3	1713.6	1617.3
12.5°	1528.2	1536.6	1555.0	1581.8	1621.1	1666.0	1709.9	1716.0	1726.8	1686.0	1576.2
15°	1422.7	1429.9	1448.0	1480.9	1529.6	1590.0	1654.4	1665.5	1693.5	1664.6	1541.9
17.5°	1333.1	1337.7	1351.0	1387.5	1443.9	1517.1	1600.8	1622.6	1664.3	1647.7	1512.3
20°	1270.6	1271.4	1280.0	1305.6	1362.1	1443.9	1545.3	1576.5	1633.4	1633.2	1481.6
22.5°	1239.7	1237.3	1239.0	1253.7	1295.2	1374.2	1489.8	1526.7	1605.7	1620.9	1450.5
25°	1233.9	1232.0	1227.2	1229.1	1254.2	1313.1	1433.8	1476.5	1581.3	1613.4	1423.4
27.5°	1252.0	1254.0	1245.8	1237.1	1239.0	1273.5	1384.1	1433.6	1561.5	1613.4	1404.4
30°	1288.5	1289.5	1283.4	1272.1	1256.9	1262.4	1349.6	1399.0	1551.6	1624.5	1392.3
32.5°	1328.8	1334.1	1333.4	1324.2	1302.5	1280.0	1341.4	1386.5	1550.9	1649.1	1391.1
35°	1378.8	1384.8	1394.9	1393.0	1370.3	1333.4	1369.4	1404.8	1565.1	1689.7	1404.1
37.5°	1431.9	1441.0	1462.8	1473.1	1458.4	1416.7	1432.1	1457.5	1603.3	1755.3	1437.2
40°	1483.3	1493.7	1533.3	1574.0	1562.9	1520.0	1527.2	1547.5	1671.1	1849.7	1499.9
42.5°	1533.7	1549.2	1607.4	1674.5	1687.7	1653.5	1657.3	1673.5	1771.7	1979.6	1602.5
45°	1594.1	1611.5	1697.6	1780.4	1815.9	1800.9	1817.4	1828.0	1903.3	2151.2	1740.8
47.5°	1682.7	1702.7	1808.4	1902.8	1965.1	1974.7	2007.8	2014.8	2069.6	2351.0	1921.2
50°	1855.5	1861.0	1956.6	2042.3	2132.1	2190.0	2227.7	2233.0	2270.9	2569.5	2146.4
52.5°	2073.0	2076.6	2130.7	2188.1	2290.2	2408.5	2496.6	2504.1	2512.1	2782.4	2368.7
55°	2289.0	2288.5	2324.3	2358.0	2474.9	2646.7	2837.9	2842.5	2785.3	2984.4	2538.6
57.5°	2423.9	2437.0	2491.3	2534.7	2697.9	2918.3	3183.6	3200.5	3072.3	3134.1	2706.6
60°	2381.0	2387.3	2507.7	2668.5	2975.7	3304.3	3533.3	3537.7	3288.1	3283.5	2919.0
62.5°	2028.6	2031.9	2221.2	2552.6	3116.5	3804.9	3955.3	3884.5	3536.2	3490.8	3173.2
65°	1390.4	1412.3	1570.4	1980.0	2857.9	4118.9	4608.4	4491.4	3914.5	3789.7	3403.0
67.5°	818.8	814.2	892.4	1194.1	2099.0	3910.4	5434.7	5318.3	4430.3	3989.8	3335.6
70°	559.3	556.1	586.1	722.9	1184.9	3033.4	5694.7	5929.5	4885.8	3855.1	2870.7
72.5°	399.2	400.9	445.1	561.7	743.9	1767.4	4897.1	5453.0	4743.1	3360.7	2182.1
75°	271.1	275.7	338.9	460.8	652.2	899.1	3475.2	4145.2	3862.3	2442.5	1254.2
77.5°	145.8	150.9	225.4	371.2	589.7	624.7	2235.4	2852.9	2426.1	1098.0	363.5
80°	60.8	63.7	105.5	269.9	509.6	548.7	1315.3	1730.0	1033.8	216.5	81.1
82.5°	26.3	27.8	43.9	161.0	380.9	463.2	696.4	832.3	313.3	47.6	40.8
85°	5.1	5.3	18.1	85.2	243.1	261.4	451.4	442.5	140.7	20.5	29.7
87.5°	0.0	0.0	4.3	26.8	71.4	142.4	275.4	272.0	47.8	9.9	11.1
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: P323455

CATALOG NUMBER: GAN-SA1D-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8	1714.8
2.5°	1701.3	1684.6	1649.6	1606.4	1573.3	1536.9	1507.9	1471.2	1455.3	1456.0	1447.3
5°	1663.1	1628.8	1551.4	1453.6	1378.3	1300.6	1233.7	1167.1	1127.7	1114.9	1102.9
7.5°	1608.6	1554.3	1430.7	1280.0	1152.6	1028.0	919.7	824.3	764.0	734.5	723.7
10°	1547.0	1470.7	1291.9	1093.5	911.5	743.0	602.5	480.3	431.6	398.5	390.1
12.5°	1492.9	1389.6	1156.2	902.0	686.0	482.8	348.8	272.8	239.7	226.7	224.5
15°	1442.0	1313.8	1025.6	728.7	475.0	297.1	221.8	196.0	188.3	186.1	186.1
17.5°	1394.0	1241.7	897.9	558.1	314.3	208.3	183.7	177.9	175.5	175.2	175.5
20°	1343.8	1169.5	772.4	408.9	219.4	176.4	169.7	166.6	165.8	165.8	165.8
22.5°	1295.7	1097.3	650.3	292.1	176.0	161.0	157.6	155.4	154.7	154.5	154.0
25°	1249.6	1028.8	531.0	206.4	154.5	147.5	144.6	141.7	139.5	138.3	137.6
27.5°	1211.7	967.7	420.0	165.6	139.5	133.5	129.9	125.5	120.2	117.8	116.8
30°	1181.6	911.9	323.7	139.8	125.5	119.5	113.9	106.4	98.7	94.6	94.4
32.5°	1157.9	857.1	245.7	123.6	113.0	105.5	97.5	88.1	79.2	74.6	74.3
35°	1146.3	808.9	187.8	111.8	101.9	92.4	82.6	72.2	63.5	59.1	58.7
37.5°	1154.0	768.1	146.5	101.9	92.4	81.6	70.0	59.1	51.4	47.6	47.3
40°	1182.3	742.0	119.0	93.4	84.5	71.2	58.7	48.5	42.0	38.9	38.6
42.5°	1242.4	732.3	101.6	86.4	76.8	61.6	48.8	40.1	34.0	31.9	31.4
45°	1342.8	746.6	89.8	79.7	68.8	52.4	40.3	32.8	27.5	25.8	25.6
47.5°	1476.5	784.0	81.3	73.1	61.6	44.2	33.6	26.6	22.4	20.8	20.5
50°	1648.9	843.4	74.3	66.6	54.8	37.4	27.8	21.0	17.4	16.2	16.2
52.5°	1836.4	914.1	68.1	60.6	48.0	31.1	22.4	16.2	13.8	12.3	12.3
55°	1991.4	975.9	61.3	56.0	39.8	25.8	17.1	12.3	10.1	9.4	9.4
57.5°	2146.1	1041.8	53.6	48.0	31.9	21.0	13.0	9.2	7.5	7.0	7.0
60°	2346.7	1122.4	46.1	39.1	25.1	15.9	9.7	6.5	5.6	5.3	5.3
62.5°	2567.3	1169.7	39.3	31.4	19.6	11.8	7.0	4.3	4.1	4.1	3.9
65°	2702.3	1102.9	33.1	25.1	15.2	8.9	4.6	3.1	3.6	3.4	2.9
67.5°	2530.2	863.4	27.0	19.6	11.8	6.8	2.9	2.2	3.9	3.1	2.4
70°	2094.9	604.4	21.0	13.8	9.4	5.8	1.9	1.4	4.1	3.1	1.9
72.5°	1567.8	404.6	16.7	9.2	7.0	5.1	1.7	0.7	3.6	2.7	1.7
75°	856.7	162.9	13.3	5.8	4.3	3.6	1.2	0.5	2.4	1.9	1.2
77.5°	225.4	43.0	9.7	3.9	2.4	1.4	0.7	0.2	1.2	1.0	0.5
80°	57.4	16.7	6.3	2.7	1.7	0.7	0.0	0.0	0.2	0.0	0.0
82.5°	30.7	7.0	3.9	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.2	4.6	2.2	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	1.4	0.7	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

(END OF REPORT)