

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: P318325

Luminaire Tested: **GAN-SA1C-727-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-727-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6195 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

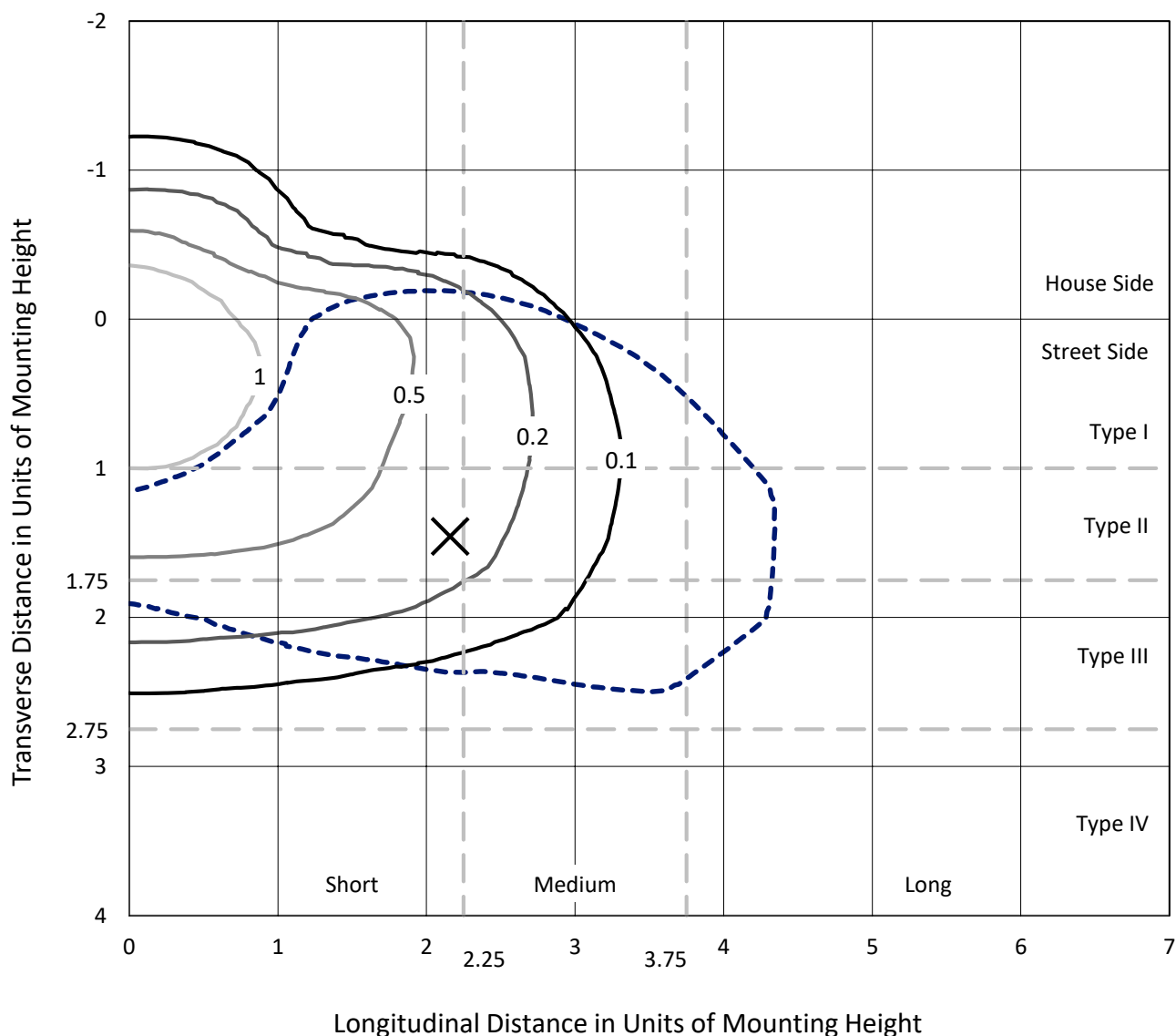
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318325
 CATALOG NUMBER: GAN-SA1C-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

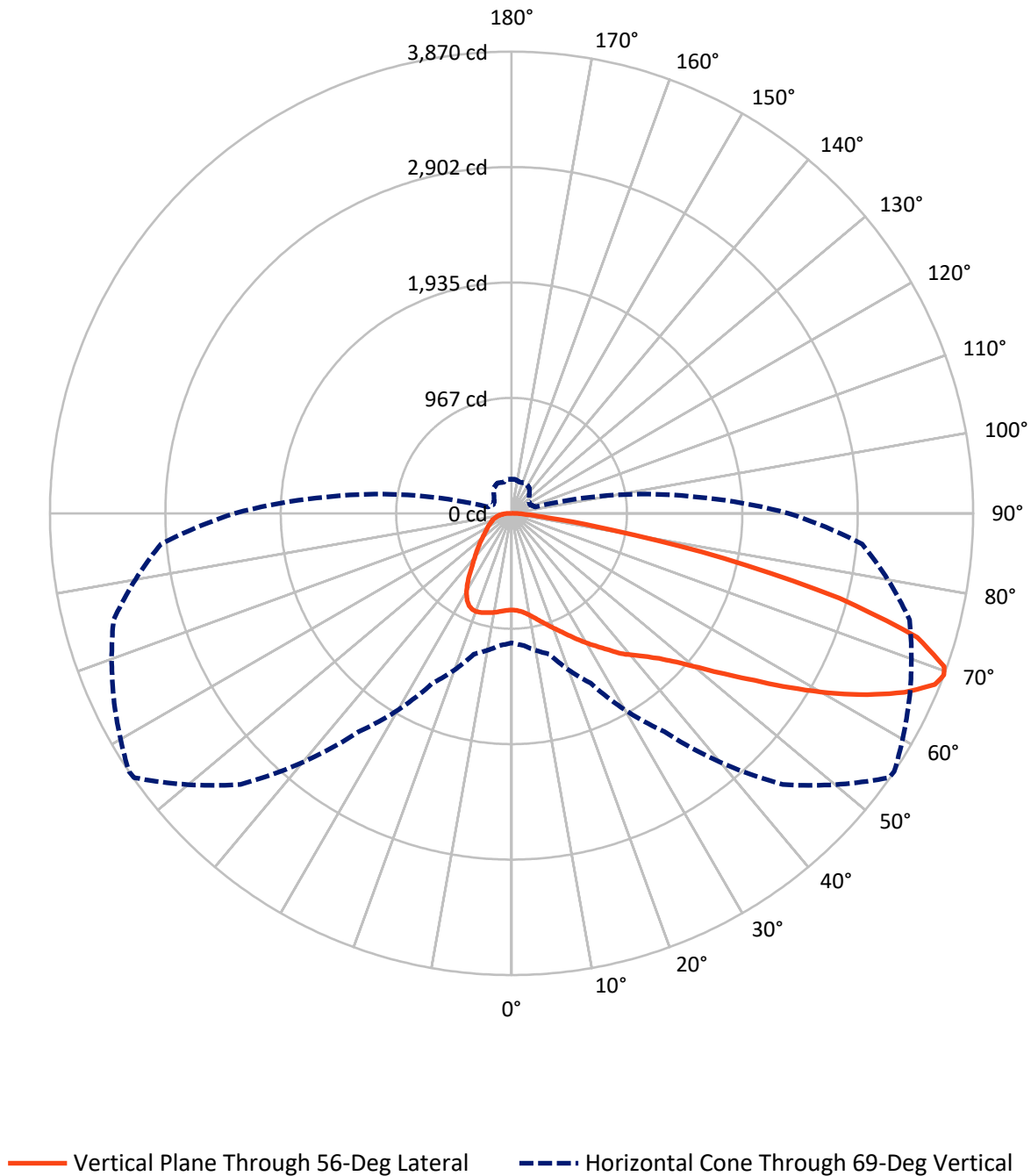
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

REPORT NUMBER: P318325
CATALOG NUMBER: GAN-SA1C-727-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P318325

CATALOG NUMBER: GAN-SA1C-727-U-T3

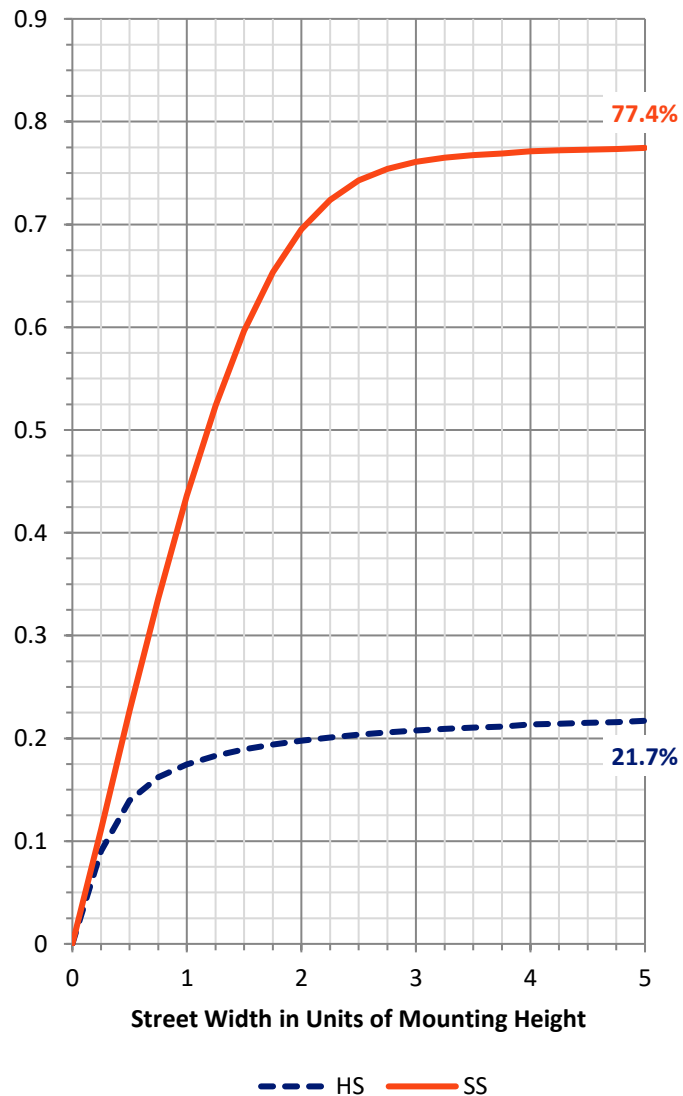
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.6	0.0	1379.6
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	4815.4	0.0	4815.4
	% Fixture	77.7	0.0	77.7
Total	Lumens	6195.0	0.0	6195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	1.3
10°-20°	255.8	4.1
20°-30°	446.5	7.2
30°-40°	641.4	10.4
40°-50°	887.6	14.3
50°-60°	1300.5	21.0
60°-70°	1585.6	25.6
70°-80°	876.6	14.2
80°-90°	121.4	2.0
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°	6195.0	100.0
0°-180°	6195.0	100.0

Coefficient of Utilization



REPORT NUMBER: P318325

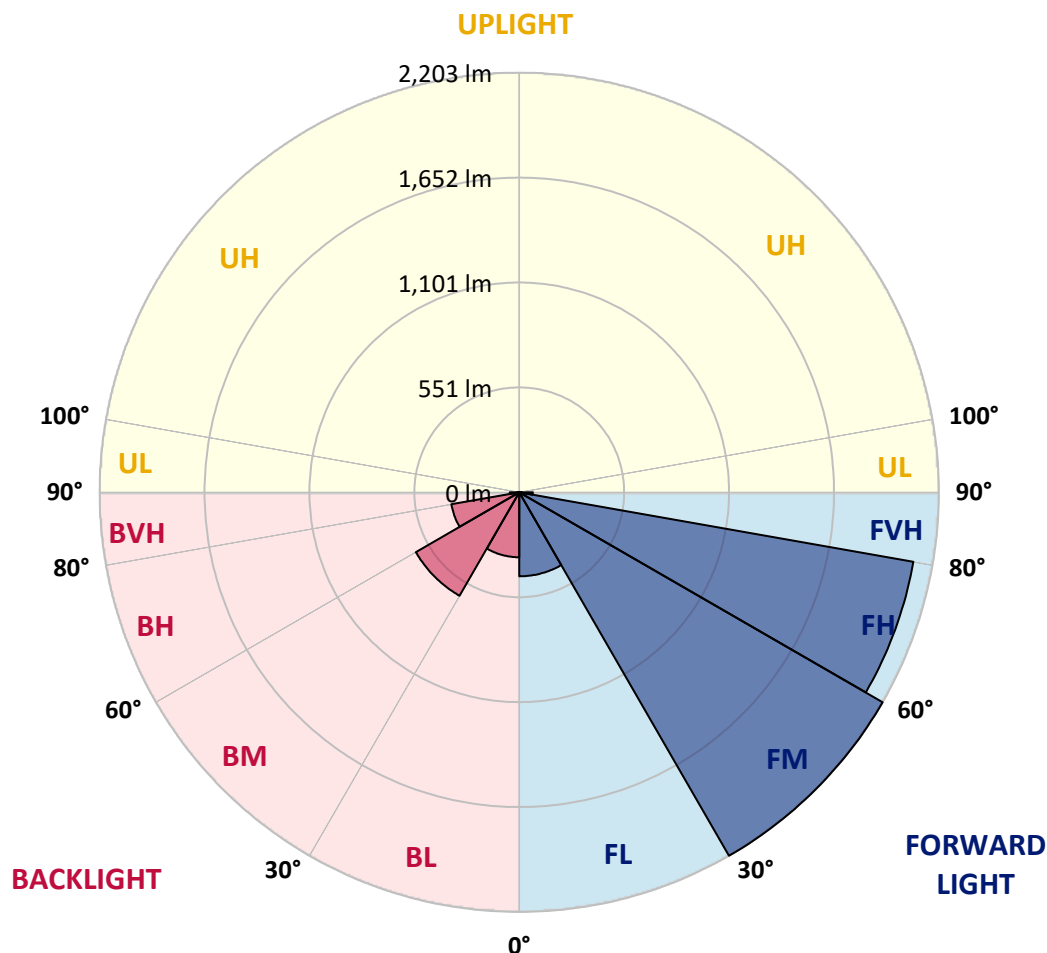
CATALOG NUMBER: GAN-SA1C-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.9	7.1			
FM	(30°-60°)	2202.6	35.6			
FH	(60°-80°)	2100.4	33.9			G2/5000
FVH	(80°-90°)	71.5	1.2			G1/100
BL	(0°-30°)	340.9	5.5	B1/500		
BM	(30°-60°)	627.0	10.1	B1/1000		
BH	(60°-80°)	361.8	5.8	B1/500		G1/500
BVH	(80°-90°)	49.9	0.8			G1/100
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 Short



REPORT NUMBER: P318325

CATALOG NUMBER: GAN-SA1C-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9
2.5°	815.0	815.9	815.2	816.9	815.0	816.3	815.2	815.2	814.6	812.7	810.5
5°	827.8	829.5	828.5	830.2	827.8	828.3	826.3	826.3	824.4	820.4	816.1
7.5°	847.9	849.8	849.0	850.7	847.5	847.5	844.9	844.7	840.8	834.2	829.3
10°	871.8	874.4	873.5	876.1	873.5	874.4	871.8	871.8	866.7	857.3	851.1
12.5°	906.6	909.8	907.4	907.2	906.2	907.9	905.7	905.3	900.6	887.8	879.3
15°	953.1	956.5	951.6	951.2	945.2	944.6	944.6	943.9	940.9	925.6	911.5
17.5°	1006.7	1007.7	1003.5	996.6	989.0	984.0	983.4	985.1	985.1	967.2	944.8
20°	1059.2	1061.1	1057.7	1050.0	1040.2	1032.9	1027.8	1031.2	1031.0	1009.7	977.9
22.5°	1116.4	1120.8	1115.7	1105.9	1094.4	1086.3	1077.3	1080.3	1080.5	1054.3	1010.3
25°	1190.4	1186.4	1183.2	1169.3	1152.9	1144.5	1136.2	1139.2	1138.3	1102.3	1043.8
27.5°	1255.9	1256.8	1252.5	1237.8	1218.8	1200.4	1200.0	1201.9	1198.7	1152.2	1075.4
30°	1332.1	1332.6	1326.6	1313.3	1292.6	1269.0	1263.4	1266.6	1259.8	1199.6	1108.7
32.5°	1407.9	1410.0	1403.4	1387.4	1370.8	1341.9	1330.8	1333.0	1315.9	1248.0	1143.0
35°	1474.3	1477.2	1475.1	1464.4	1446.3	1421.5	1408.3	1407.0	1385.9	1307.4	1188.5
37.5°	1541.9	1544.7	1542.3	1533.4	1526.1	1499.9	1492.8	1492.8	1456.1	1368.0	1246.3
40°	1611.5	1615.8	1613.0	1600.6	1594.4	1582.5	1565.6	1561.5	1521.8	1440.8	1340.7
42.5°	1676.1	1681.7	1692.8	1685.5	1672.9	1674.7	1640.7	1638.6	1609.6	1548.3	1459.1
45°	1767.9	1776.0	1794.8	1789.3	1786.7	1777.3	1737.0	1735.0	1724.0	1693.0	1606.1
47.5°	1868.0	1879.1	1913.0	1914.1	1941.6	1923.9	1869.1	1862.5	1865.0	1866.3	1785.6
50°	1960.2	1972.4	2028.1	2054.3	2119.2	2123.0	2035.3	2029.3	2039.4	2068.8	1994.8
52.5°	2033.8	2049.2	2118.8	2199.9	2311.1	2342.6	2240.0	2235.5	2243.0	2293.8	2231.2
55°	2087.8	2104.5	2180.2	2327.9	2505.5	2561.2	2475.6	2471.3	2476.0	2540.7	2488.4
57.5°	2100.4	2104.5	2214.4	2414.1	2669.6	2803.4	2763.9	2755.4	2732.3	2788.7	2772.2
60°	2041.3	2057.5	2186.2	2444.4	2796.6	3042.2	3065.3	3054.6	2989.9	3036.0	3022.8
62.5°	1921.4	1950.4	2081.0	2398.3	2846.3	3237.3	3360.8	3348.0	3236.6	3266.5	3202.9
65°	1725.4	1737.8	1875.0	2239.3	2783.1	3362.1	3624.4	3618.0	3477.8	3431.0	3236.2
67.5°	1375.0	1398.3	1514.8	1907.1	2524.7	3347.4	3828.2	3827.6	3635.3	3492.1	3118.2
69°	1086.3	1110.4	1221.4	1570.9	2234.0	3212.7	3862.4	3869.8	3679.7	3454.9	2949.6
70°	866.0	894.0	970.2	1323.2	1976.0	3035.2	3834.0	3847.4	3671.1	3393.7	2794.0
72.5°	368.6	391.2	445.4	682.1	1204.3	2266.4	3505.5	3556.3	3473.3	3106.0	2309.1
75°	160.9	168.0	192.5	278.1	534.6	1233.5	2746.2	2840.1	2969.9	2625.4	1720.1
77.5°	117.8	120.8	134.2	163.3	239.9	465.9	1766.0	1820.6	2141.8	1910.5	1055.1
80°	91.1	93.3	103.7	119.9	156.6	188.4	805.4	852.4	1204.3	981.3	439.4
82.5°	72.6	74.1	81.3	88.4	108.2	114.2	267.4	296.6	444.5	271.0	116.3
85°	67.4	69.1	71.7	64.5	69.4	67.0	115.7	121.0	134.2	106.5	48.7
87.5°	30.5	36.1	71.1	50.2	36.9	29.5	47.4	49.5	55.7	55.9	21.6
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: P318325

CATALOG NUMBER: GAN-SA1C-727-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9
2.5°	811.8	811.2	812.3	809.7	812.9	812.7	811.6	812.0	814.2	814.0	814.2
5°	816.7	816.3	817.6	815.7	819.5	820.8	821.0	822.9	825.3	825.9	825.9
7.5°	829.1	829.1	829.8	827.2	829.8	829.5	828.5	830.4	832.7	833.0	832.7
10°	850.5	850.7	849.6	843.0	840.8	835.1	829.8	830.0	833.0	835.3	835.9
12.5°	877.3	876.5	871.8	859.6	850.7	838.9	833.4	833.2	836.2	838.1	838.7
15°	908.1	905.7	893.6	873.7	857.9	846.4	837.4	835.3	833.6	831.5	831.7
17.5°	937.1	931.8	911.5	884.0	867.3	851.9	834.7	820.8	811.2	805.6	803.9
20°	966.5	956.1	926.9	893.6	872.4	844.5	811.2	783.0	765.5	757.4	755.9
22.5°	993.4	976.6	941.2	903.6	868.4	819.3	767.0	726.0	701.7	690.8	691.7
25°	1019.7	996.2	956.1	910.6	847.9	774.9	705.5	655.2	627.0	614.8	614.4
27.5°	1042.7	1016.1	972.3	904.9	809.7	711.7	632.8	583.7	560.2	549.8	548.0
30°	1069.2	1041.0	993.9	882.9	753.8	638.7	561.7	527.1	510.5	500.0	498.1
32.5°	1101.4	1075.0	1011.6	843.0	682.3	562.6	506.2	482.1	466.9	455.2	453.1
35°	1148.4	1119.8	1016.1	785.8	603.7	502.4	465.5	440.7	420.2	405.1	403.6
37.5°	1207.3	1175.9	1005.8	711.7	527.6	463.3	431.5	401.0	374.3	353.0	349.6
40°	1292.2	1244.8	977.4	626.4	471.4	433.2	398.4	363.7	330.6	305.6	300.7
42.5°	1394.2	1325.7	933.9	541.4	430.2	402.7	365.6	322.5	290.9	273.2	270.6
45°	1524.0	1409.8	873.5	467.2	389.7	372.2	330.2	290.5	270.8	257.8	255.7
47.5°	1672.1	1504.1	810.1	406.8	355.3	343.6	301.8	276.2	260.6	250.3	248.4
50°	1854.1	1610.6	742.9	357.3	320.8	309.2	288.3	268.3	255.9	248.0	246.1
52.5°	2059.4	1730.8	694.4	318.2	292.2	283.8	281.3	264.0	254.0	248.0	246.1
55°	2280.5	1853.1	642.2	285.3	267.4	269.8	276.6	264.4	257.6	250.3	247.6
57.5°	2501.8	1979.4	583.9	257.6	247.8	259.3	273.4	265.3	259.5	252.5	249.9
60°	2676.8	2059.4	493.6	234.3	232.2	247.8	265.7	258.9	251.4	251.6	251.2
62.5°	2758.6	2055.2	394.0	213.6	216.6	232.2	253.3	248.8	242.7	251.0	251.6
65°	2712.7	1952.7	306.7	194.8	200.0	216.0	240.5	243.9	246.1	262.1	264.2
67.5°	2520.2	1753.4	237.5	178.4	184.8	204.9	241.8	265.7	268.5	285.3	285.1
69°	2321.1	1566.5	206.4	169.9	177.3	207.7	258.4	279.6	269.1	287.0	284.5
70°	2154.2	1418.6	189.7	164.1	173.9	212.6	269.5	279.4	265.9	281.3	277.0
72.5°	1659.1	1020.5	160.9	153.4	162.4	203.4	272.7	273.2	258.4	261.4	254.2
75°	1137.9	644.9	140.4	138.9	144.9	183.3	262.5	261.0	239.0	234.8	228.8
77.5°	627.4	327.6	119.3	125.1	129.1	162.4	238.6	236.5	218.3	209.4	207.2
80°	242.0	143.4	100.7	111.2	113.7	140.6	209.1	207.2	192.1	180.5	177.3
82.5°	91.3	75.1	83.2	96.2	95.4	116.1	177.1	176.1	161.3	144.5	139.4
85°	42.3	45.0	65.9	79.4	73.2	86.0	141.7	143.6	125.7	105.6	105.6
87.5°	17.9	25.2	46.7	60.0	49.3	58.0	103.9	99.2	91.1	63.2	59.3
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)