

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: P322156

Luminaire Tested: **GAN-SA2B-727-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7126 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 85
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

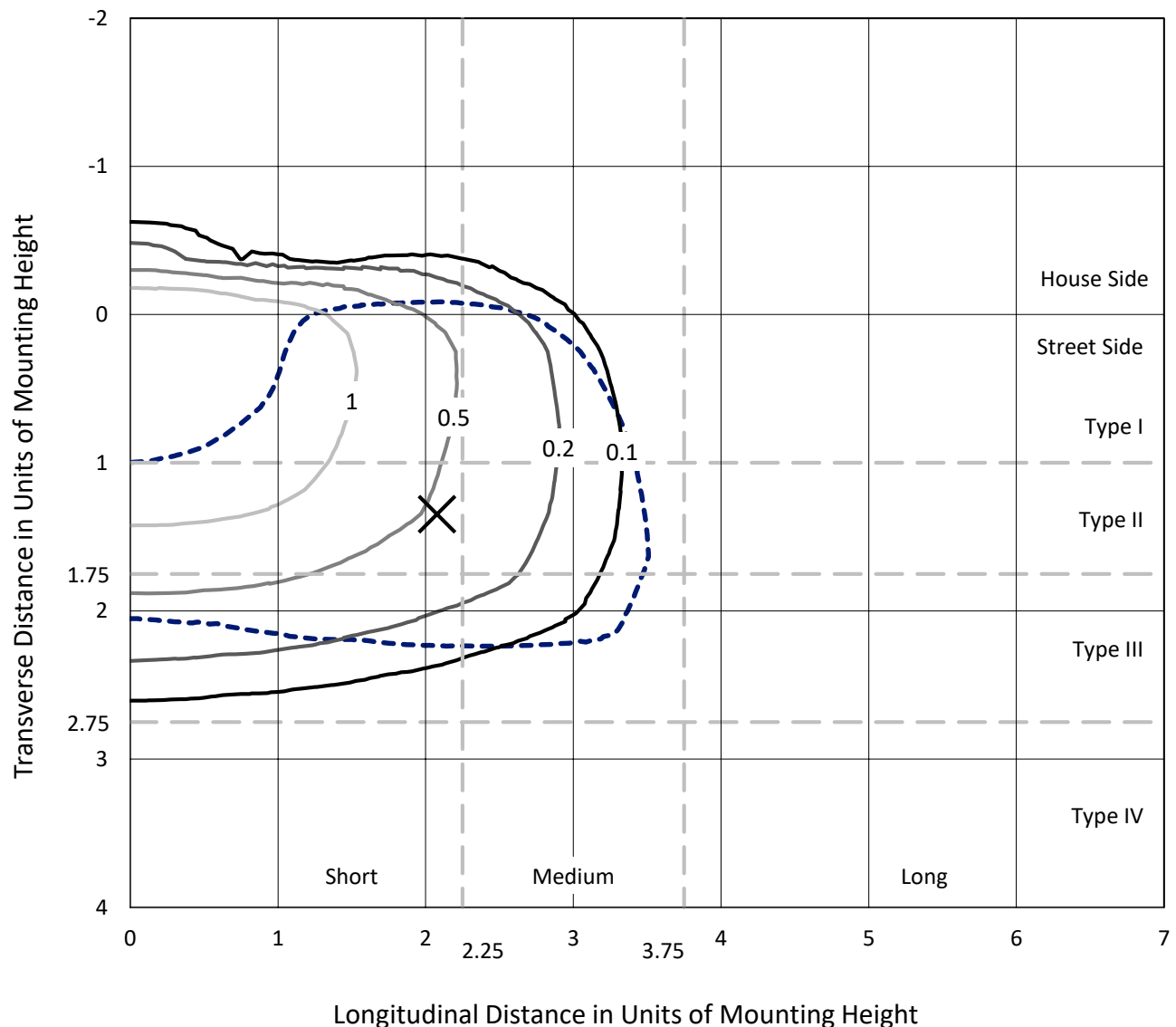


REPORT NUMBER: P322156

CATALOG NUMBER: GAN-SA2B-727-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

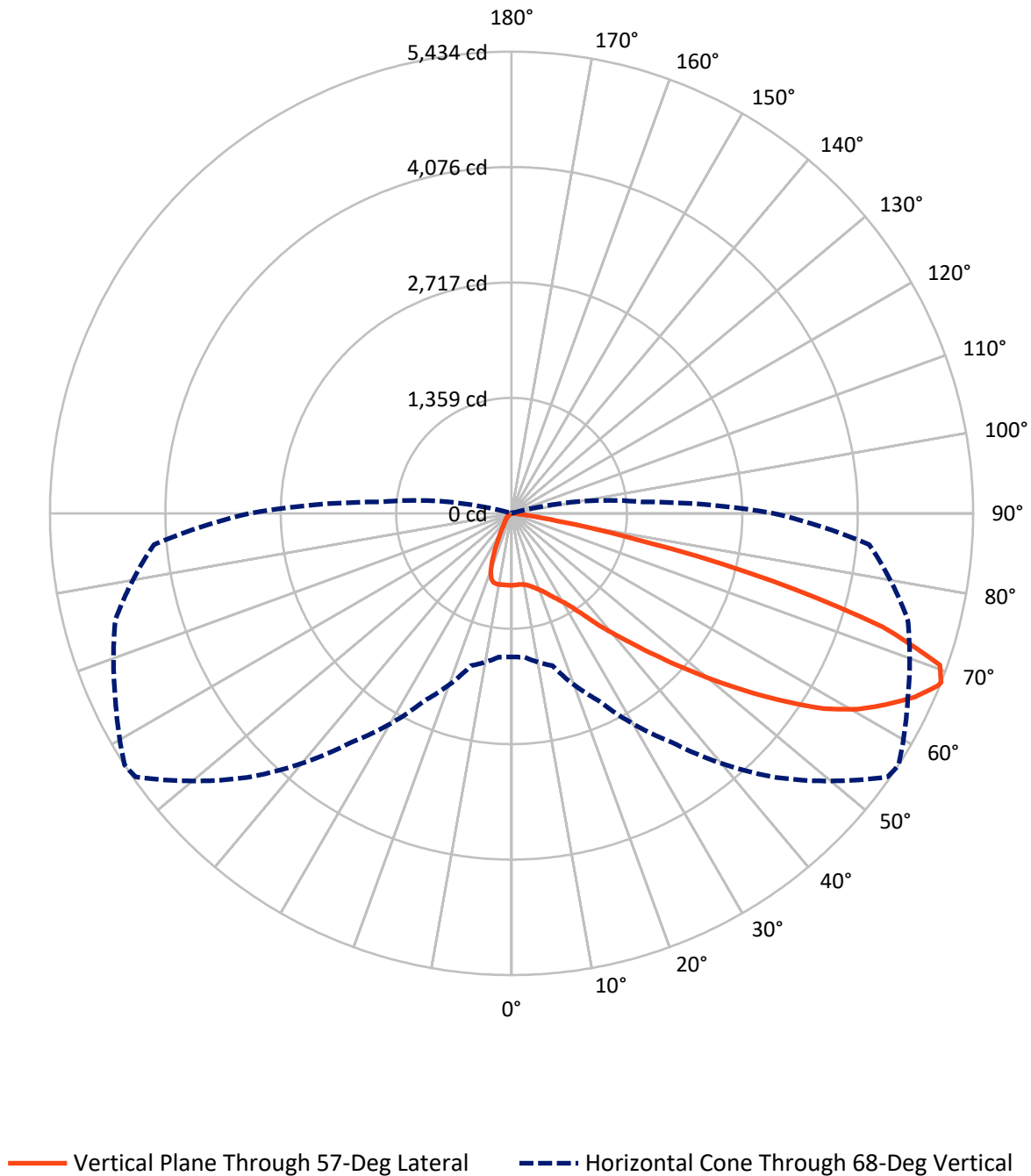
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

REPORT NUMBER: P322156
CATALOG NUMBER: GAN-SA2B-727-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P322156

CATALOG NUMBER: GAN-SA2B-727-U-T3-HSS

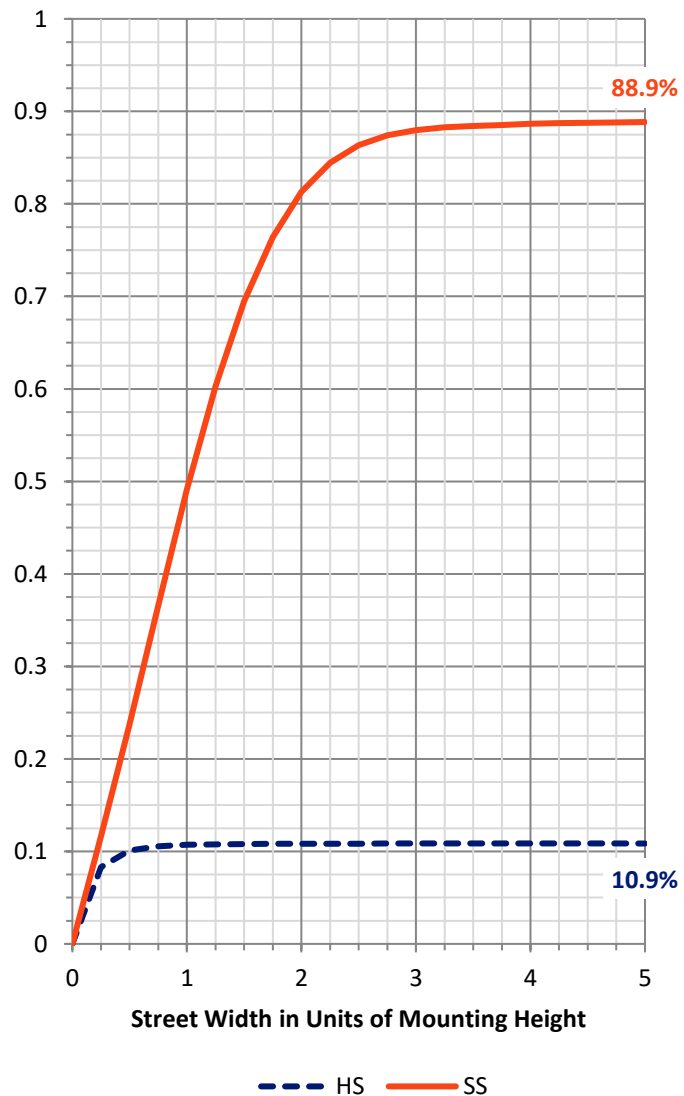
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	781.4	0.0	781.4
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	6344.6	0.0	6344.6
	% Fixture	89.0	0.0	89.0
Total	Lumens	7126.0	0.0	7126.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	1.1
10°-20°	219.6	3.1
20°-30°	378.8	5.3
30°-40°	653.8	9.2
40°-50°	1118.4	15.7
50°-60°	1789.3	25.1
60°-70°	2067.3	29.0
70°-80°	789.9	11.1
80°-90°	29.6	0.4
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°	7126.0	100.0
0°-180°	7126.0	100.0

Coefficient of Utilization



REPORT NUMBER: P322156

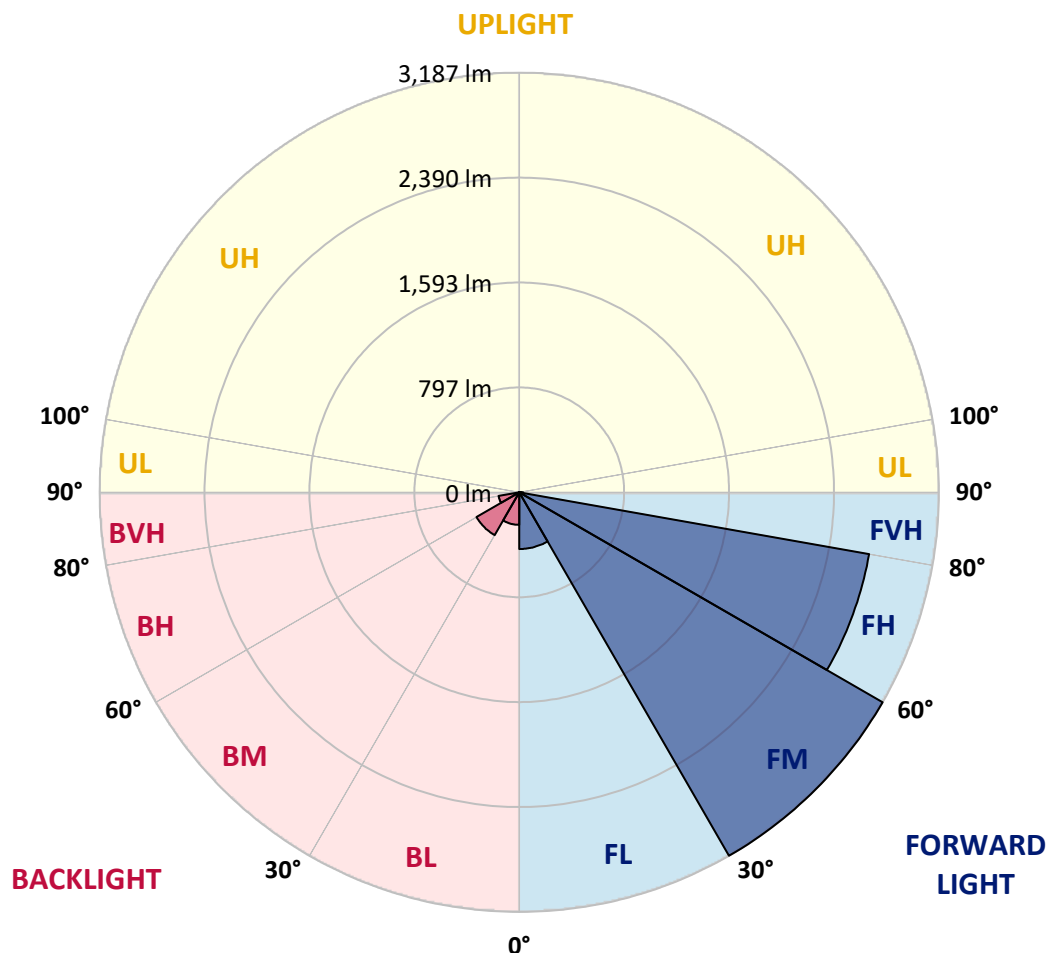
CATALOG NUMBER: GAN-SA2B-727-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	430.7	6.0			
FM	(30°-60°)	3186.7	44.7			
FH	(60°-80°)	2698.1	37.9			G2/5000
FVH	(80°-90°)	29.1	0.4			G1/100
BL	(0°-30°)	246.9	3.5	B1/500		
BM	(30°-60°)	374.8	5.3	B1/1000		
BH	(60°-80°)	159.1	2.2	B1/500		G1/500
BVH	(80°-90°)	0.5	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 Short





REPORT NUMBER: P322156

CATALOG NUMBER: GAN-SA2B-727-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	846.8	846.8	846.8	846.8	846.8	846.8	846.8	846.8	846.8	846.8	846.8
2.5°	826.9	830.6	833.3	835.0	837.0	841.4	842.7	844.7	845.7	845.7	848.1
5°	794.2	798.2	804.0	808.7	818.1	830.2	839.0	842.4	848.4	853.8	856.9
7.5°	763.9	768.6	775.3	786.4	802.6	822.2	840.4	845.1	856.9	868.3	874.0
10°	744.3	748.0	756.8	772.6	793.9	821.1	846.8	852.5	872.7	891.9	902.7
12.5°	737.6	741.0	750.1	767.9	794.2	826.2	861.6	870.0	899.7	927.6	942.8
15°	747.4	748.0	757.8	774.6	800.6	838.7	886.2	896.3	933.7	970.1	988.9
17.5°	785.1	782.1	787.1	794.5	815.1	855.2	912.1	927.3	977.2	1019.9	1037.8
20°	879.4	879.4	868.0	847.8	848.1	880.8	947.2	964.4	1025.3	1074.9	1091.0
22.5°	1040.8	1037.8	1014.9	965.4	919.9	924.9	990.0	1012.2	1083.3	1136.2	1141.6
25°	1234.9	1231.2	1195.8	1126.1	1047.2	996.4	1047.9	1073.5	1152.4	1199.2	1188.1
27.5°	1440.5	1437.4	1402.4	1315.8	1203.6	1110.3	1117.0	1141.3	1222.8	1269.0	1233.6
30°	1639.6	1640.6	1605.9	1517.0	1389.9	1255.5	1204.6	1218.8	1291.2	1338.0	1287.5
32.5°	1829.0	1830.3	1800.3	1700.9	1582.3	1424.3	1325.9	1322.2	1370.7	1416.9	1358.9
35°	1997.8	2001.1	1980.6	1903.4	1777.8	1612.3	1483.3	1474.5	1483.6	1535.8	1468.4
37.5°	2160.5	2162.5	2147.0	2082.0	1976.9	1818.9	1682.1	1669.6	1650.0	1690.1	1613.0
40°	2338.8	2333.7	2315.9	2256.9	2166.6	2047.0	1895.7	1874.1	1840.1	1875.8	1803.0
42.5°	2504.6	2498.8	2501.9	2435.1	2359.0	2281.5	2144.7	2107.6	2087.7	2128.9	2036.2
45°	2711.8	2708.7	2718.9	2660.9	2599.2	2543.0	2430.1	2389.7	2380.9	2429.1	2318.2
47.5°	2916.3	2923.7	2955.1	2930.5	2905.5	2856.0	2732.3	2714.1	2719.5	2777.8	2615.7
50°	3086.8	3095.6	3181.5	3209.8	3245.8	3216.9	3092.9	3081.7	3103.0	3155.5	2935.8
52.5°	3210.1	3228.0	3334.8	3465.2	3596.6	3616.2	3492.5	3482.4	3511.0	3519.1	3183.2
55°	3295.7	3311.5	3432.5	3671.1	3938.6	4022.9	3946.0	3906.9	3901.6	3821.7	3443.3
57.5°	3310.9	3309.2	3483.1	3804.2	4206.8	4424.2	4375.6	4337.2	4226.7	4101.4	3741.5
60°	3225.3	3235.1	3436.9	3850.3	4375.3	4727.8	4731.5	4681.6	4509.4	4373.3	4030.6
62.5°	2961.8	3001.6	3205.4	3729.4	4373.3	4850.1	4992.3	4954.2	4748.3	4596.0	4323.7
65°	2534.5	2548.7	2743.1	3314.9	4077.8	4798.8	5227.1	5213.0	4963.6	4812.3	4474.4
67.5°	1850.9	1820.2	2024.4	2610.4	3452.4	4500.3	5395.6	5413.4	5129.7	4856.8	4314.0
68°	1689.1	1698.2	1857.3	2436.2	3288.6	4394.8	5406.7	5434.0	5146.2	4827.8	4226.4
70°	1006.8	1024.3	1166.2	1677.3	2501.9	3798.1	5286.8	5349.1	5047.9	4529.0	3655.6
72.5°	257.1	278.0	412.1	750.7	1429.0	2676.1	4462.9	4568.4	4382.7	3674.1	2467.8
75°	105.8	111.2	147.2	247.3	532.4	1205.6	2941.6	3167.3	3038.3	2199.6	1115.3
77.5°	73.1	76.8	94.7	137.1	230.5	408.7	1442.1	1605.2	1446.2	750.7	243.3
80°	52.6	55.6	67.7	91.3	132.4	145.9	470.0	543.5	431.6	164.8	60.3
82.5°	31.3	33.7	50.5	65.0	80.5	69.7	116.9	132.8	125.0	81.9	27.0
85°	15.5	18.2	34.0	46.5	43.5	29.3	35.7	39.8	49.2	49.9	14.5
87.5°	1.0	2.0	19.9	28.0	12.1	6.7	10.4	12.8	17.5	24.6	6.1
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: P322156

CATALOG NUMBER: GAN-SA2B-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	846.8	846.8	846.8	846.8	846.8	846.8	846.8	846.8	846.8	846.8	846.8
2.5°	849.1	849.5	847.1	846.1	846.8	842.7	841.0	841.7	841.7	842.7	841.0
5°	857.5	857.5	853.5	848.1	845.1	837.3	832.3	830.9	829.9	829.2	827.9
7.5°	875.7	873.7	866.6	854.8	844.7	827.9	815.1	808.3	805.0	803.6	802.6
10°	905.0	901.3	889.5	867.6	844.4	814.4	786.4	766.6	750.1	743.3	739.3
12.5°	944.5	939.1	919.2	882.8	842.0	786.8	726.1	667.8	613.6	591.3	580.2
15°	990.0	982.2	950.9	895.6	828.2	724.4	592.7	490.6	415.5	387.2	375.0
17.5°	1036.1	1026.0	978.5	903.7	786.8	595.4	415.8	314.0	263.8	250.4	245.6
20°	1082.6	1067.8	1002.4	897.6	693.1	429.3	274.3	229.5	215.0	210.9	209.6
22.5°	1126.8	1103.8	1024.0	874.0	548.9	288.1	217.0	202.8	198.1	195.8	195.1
25°	1165.2	1133.2	1042.9	801.3	388.5	217.7	195.4	190.7	184.6	180.3	180.6
27.5°	1201.2	1162.5	1054.3	681.3	259.1	186.0	180.9	174.5	163.4	157.0	157.0
30°	1244.7	1201.6	1062.7	524.3	190.7	164.4	160.4	150.6	135.5	127.0	127.0
32.5°	1310.1	1260.9	1057.4	367.9	158.0	144.6	135.1	121.6	105.1	97.0	96.7
35°	1410.1	1352.5	1018.9	241.3	139.5	125.7	110.5	94.0	79.5	72.8	72.4
37.5°	1544.9	1475.2	932.7	172.5	125.0	108.2	90.0	71.8	61.0	56.6	56.3
40°	1719.8	1617.7	809.4	139.8	111.5	91.3	69.4	55.6	48.2	44.8	45.2
42.5°	1929.7	1770.3	661.4	120.6	98.4	75.1	54.2	43.8	39.1	36.7	36.1
45°	2162.9	1921.0	506.4	107.5	85.2	60.7	42.5	34.7	31.0	29.7	29.7
47.5°	2419.3	2067.5	370.6	96.0	71.1	46.8	34.0	28.3	25.3	24.3	23.9
50°	2652.1	2169.3	267.2	83.9	58.3	37.1	27.6	23.6	21.6	20.2	20.2
52.5°	2846.2	2201.3	196.8	70.8	47.2	29.7	22.9	20.2	18.2	17.2	17.2
55°	3017.1	2188.2	146.2	58.3	38.1	24.3	19.5	17.2	15.5	14.5	14.5
57.5°	3180.8	2145.7	109.2	47.5	30.7	19.5	16.5	14.5	12.8	12.1	12.1
60°	3314.6	2074.9	81.2	38.4	24.6	15.8	13.8	11.8	10.4	9.4	9.4
62.5°	3423.1	1996.8	59.6	31.7	19.5	12.5	10.8	9.8	7.7	6.7	6.7
65°	3423.8	1867.0	44.8	26.3	15.2	9.8	8.1	7.7	5.1	4.0	3.7
67.5°	3176.1	1609.6	34.4	22.6	11.8	7.4	6.1	6.4	2.7	1.7	1.3
68°	3086.1	1544.2	32.3	22.2	11.1	7.1	5.7	6.4	2.4	1.3	1.0
70°	2601.9	1228.5	25.9	21.6	9.8	5.4	4.7	6.4	2.0	1.0	0.7
72.5°	1664.2	713.0	19.2	17.2	7.4	4.0	3.0	5.7	2.0	0.7	0.3
75°	708.3	221.0	13.1	12.1	4.4	3.0	2.0	3.7	1.3	0.3	0.0
77.5°	149.3	49.9	7.7	7.4	3.0	2.0	1.3	1.0	0.3	0.0	0.0
80°	38.4	14.5	4.0	3.7	1.7	1.0	0.7	0.0	0.0	0.0	0.0
82.5°	12.1	5.7	2.4	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.1	3.4	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	1.0	0.3	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)