

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: P319300

Luminaire Tested: **GAN-SA6D-727-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-727-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38019 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 382
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

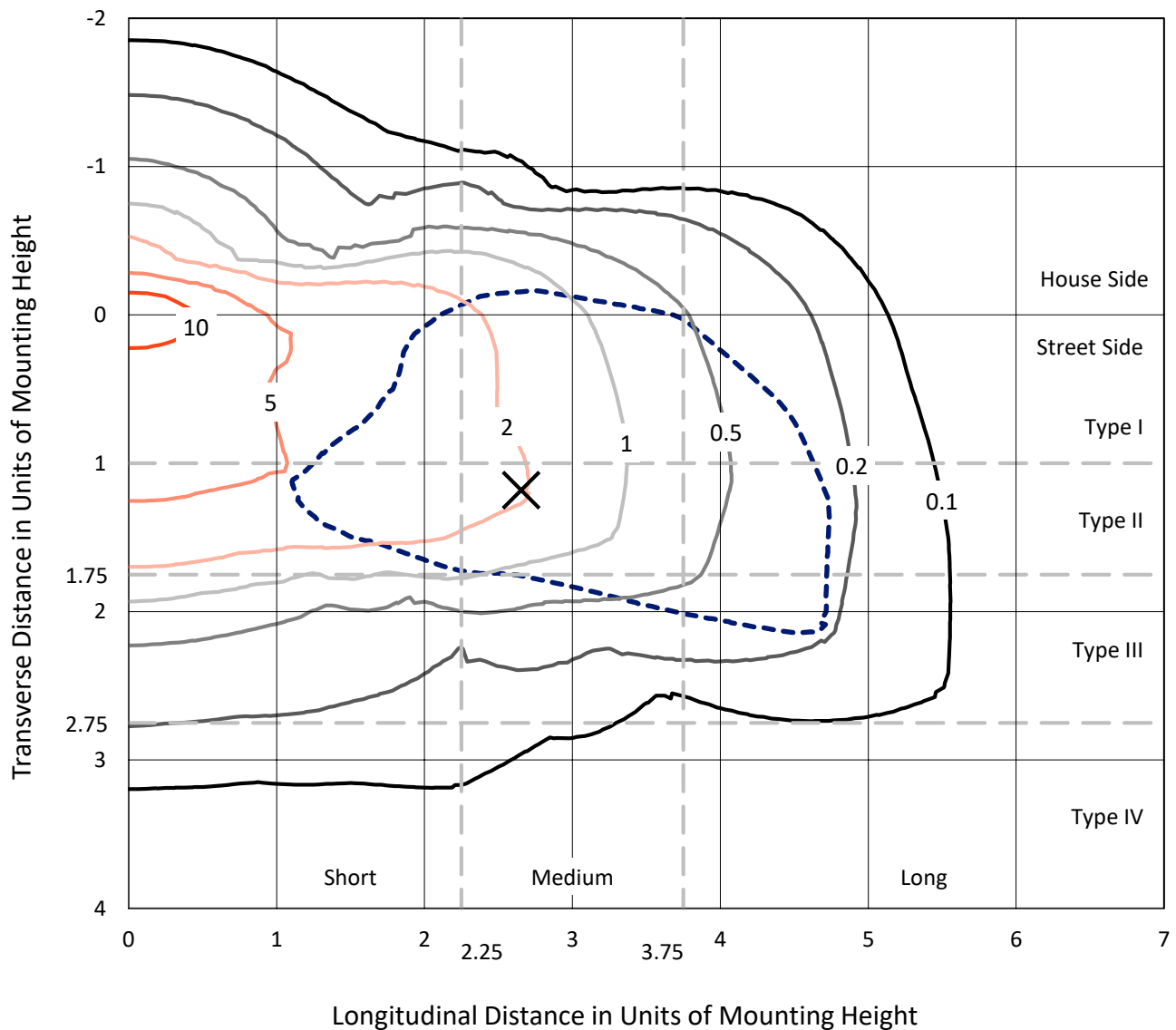


REPORT NUMBER: P319300

CATALOG NUMBER: GAN-SA6D-727-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

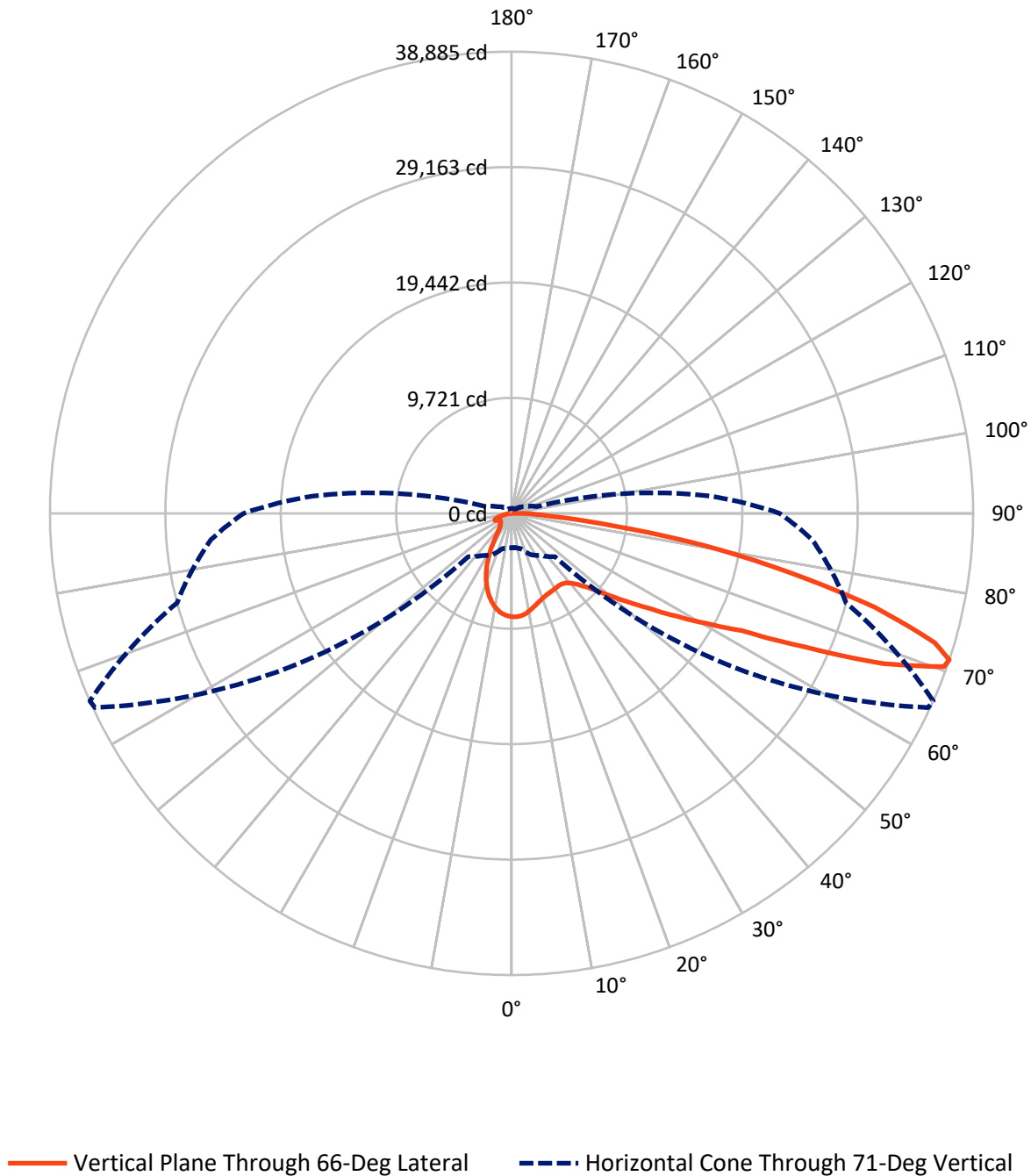
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P319300
CATALOG NUMBER: GAN-SA6D-727-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P319300

CATALOG NUMBER: GAN-SA6D-727-U-SL2

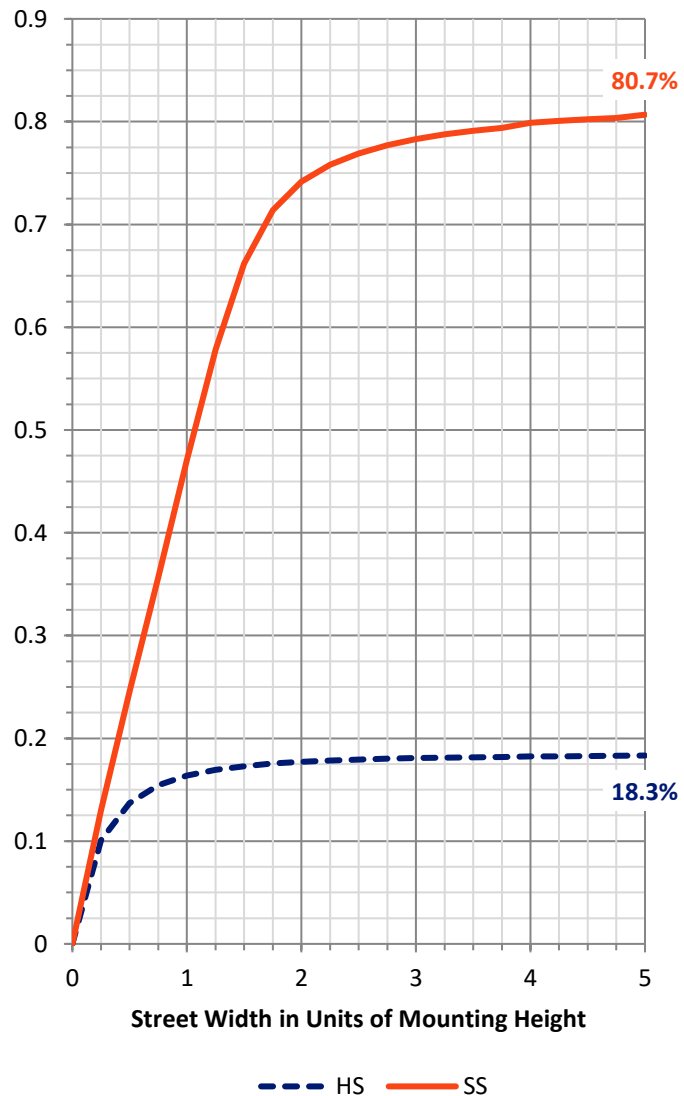
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7046.0	0.0	7046.0
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	30973.0	0.0	30973.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	38019.0	0.0	38019.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.6	2.0
10°-20°	1838.7	4.8
20°-30°	2469.9	6.5
30°-40°	3249.1	8.5
40°-50°	4726.5	12.4
50°-60°	7383.4	19.4
60°-70°	9248.9	24.3
70°-80°	7054.8	18.6
80°-90°	1281.1	3.4
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°	38019.0	100.0
0°-180°	38019.0	100.0

Coefficient of Utilization



REPORT NUMBER: P319300

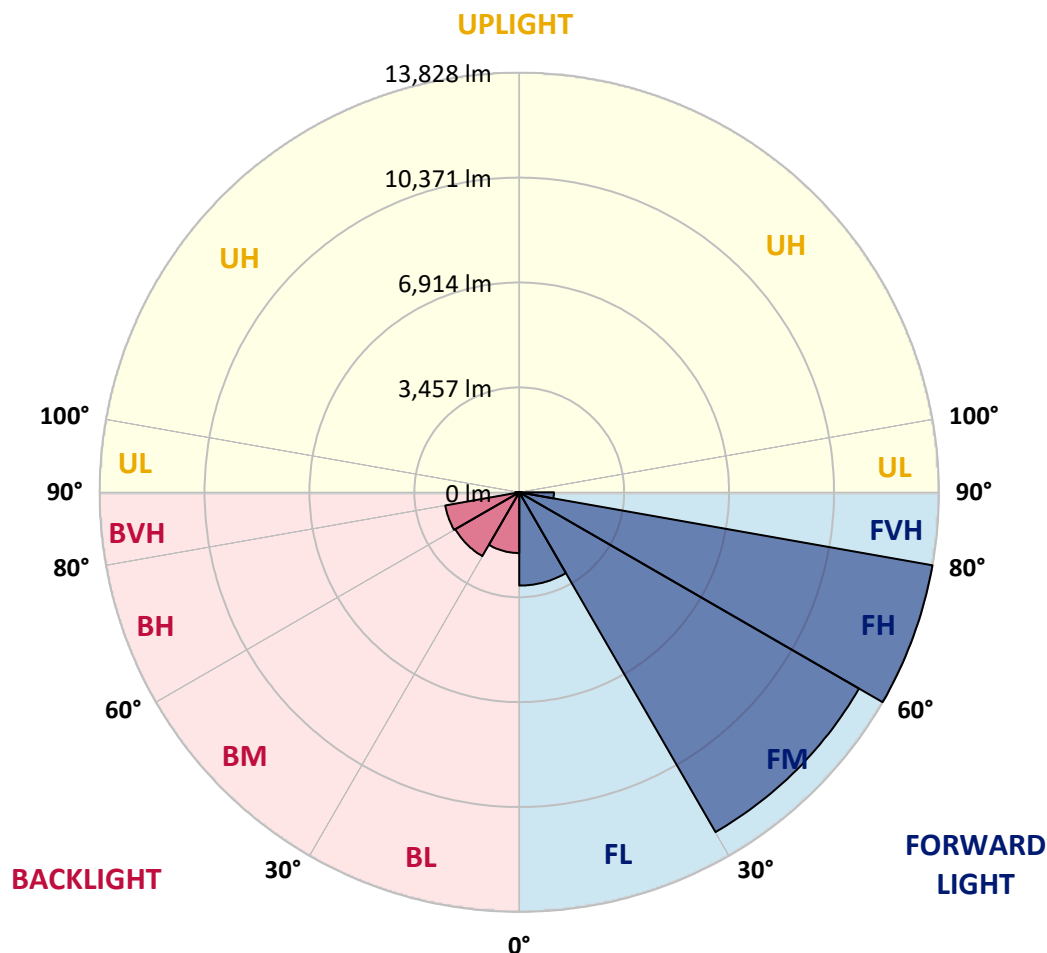
CATALOG NUMBER: GAN-SA6D-727-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3074.4	8.1			
FM	(30°-60°)	12928.4	34.0			
FH	(60°-80°)	13827.9	36.4			G5
FVH	(80°-90°)	1142.4	3.0			G5
BL	(0°-30°)	2000.9	5.3	B3/2500		
BM	(30°-60°)	2430.6	6.4	B2/2500		
BH	(60°-80°)	2475.8	6.5	B3/2500		G3/2500
BVH	(80°-90°)	138.7	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





REPORT NUMBER: P319300

CATALOG NUMBER: GAN-SA6D-727-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4
2.5°	8548.0	8534.8	8574.2	8614.9	8630.7	8656.9	8696.3	8718.6	8717.3	8721.2	8708.1
5°	7980.9	7963.8	8042.6	8106.9	8230.3	8369.4	8538.8	8659.5	8662.2	8730.4	8748.8
7.5°	7444.0	7432.2	7522.8	7626.5	7769.6	7982.2	8256.6	8516.5	8532.2	8717.3	8781.6
10°	7013.5	7010.9	7098.8	7211.7	7378.4	7616.0	7931.0	8311.7	8335.3	8654.3	8786.9
12.5°	6677.4	6682.7	6758.8	6887.5	7063.4	7311.4	7652.7	8082.0	8120.0	8554.5	8756.7
15°	6429.3	6450.4	6512.0	6642.0	6815.3	7067.3	7417.8	7869.3	7927.1	8442.9	8739.6
17.5°	6287.6	6311.2	6354.5	6462.2	6624.9	6867.8	7199.9	7694.7	7747.2	8357.6	8740.9
20°	6245.6	6265.3	6290.2	6355.8	6493.7	6714.2	7027.9	7537.2	7593.7	8289.4	8754.0
22.5°	6328.3	6342.7	6345.3	6340.1	6424.1	6603.9	6903.2	7421.7	7482.1	8244.7	8763.2
25°	6505.5	6525.2	6510.7	6462.2	6434.6	6544.9	6838.9	7345.6	7406.0	8211.9	8744.9
27.5°	6771.9	6774.6	6762.8	6699.8	6569.8	6551.4	6819.2	7300.9	7358.7	8173.9	8706.8
30°	7134.2	7151.3	7130.3	7045.0	6832.3	6656.4	6842.8	7257.6	7310.1	8125.3	8645.1
32.5°	7558.2	7600.2	7598.9	7509.7	7205.1	6891.4	6940.0	7231.4	7272.1	8074.1	8570.3
35°	7998.0	8055.7	8163.4	8125.3	7748.6	7262.9	7126.4	7273.4	7300.9	8067.5	8517.8
37.5°	8454.8	8512.5	8734.4	8836.7	8395.7	7794.5	7420.4	7421.7	7434.8	8147.6	8513.8
40°	8932.6	8994.3	9327.7	9594.1	9234.5	8467.9	7894.3	7731.5	7717.1	8344.5	8591.3
42.5°	9602.0	9657.1	10057.5	10397.5	10165.1	9330.3	8549.3	8209.3	8179.1	8730.4	8839.4
45°	10448.7	10495.9	10921.2	11284.8	11165.4	10314.8	9372.3	8866.9	8861.7	9373.6	9342.1
47.5°	11455.5	11492.2	11874.2	12226.0	12269.3	11447.6	10406.7	9881.6	9796.3	10255.7	10120.5
50°	12504.3	12545.0	12804.9	13182.9	13504.5	12963.7	11737.7	11124.7	11010.5	11420.0	11223.1
52.5°	13198.7	13252.5	13478.3	13957.4	14893.3	14625.5	13311.6	12631.6	12458.3	12831.1	12680.2
55°	12888.9	13009.7	13354.9	14122.8	16003.8	17164.2	15253.0	14389.2	14193.7	14503.4	14414.2
57.5°	11480.4	11645.8	12117.1	13302.4	16160.0	19400.9	18188.0	16459.3	16321.5	16232.2	16272.9
60°	8906.3	9065.1	9649.3	11194.3	15071.8	21033.9	22605.1	19011.1	18811.6	17967.5	18004.3
62.5°	6303.3	6223.3	6623.6	7753.8	12247.0	21225.5	27631.2	22424.0	21767.6	19800.0	19638.5
65°	4806.9	4788.5	4968.4	5328.0	7417.8	18932.3	30625.4	28160.2	27135.1	21955.3	21574.7
67.5°	3949.8	3916.9	4094.1	4617.9	4776.7	12214.2	30691.0	34815.4	33808.6	24638.4	23814.1
70°	3247.5	3210.7	3376.1	4052.1	4414.4	6194.4	25830.3	38712.6	38658.8	28035.5	25504.7
71°	2911.5	2885.2	3083.4	3834.2	4337.0	5162.6	22301.9	38723.1	38884.6	29185.4	25405.0
72.5°	2370.6	2379.8	2589.9	3412.9	4279.2	4558.8	16391.0	36918.2	37259.5	30281.5	24497.9
75°	1575.2	1583.1	1858.7	2625.3	4149.3	4460.4	9008.7	30978.5	31605.9	29625.1	22354.4
77.5°	1058.0	1055.4	1243.1	1801.0	3615.0	4460.4	5282.1	23169.5	23858.7	23572.5	17233.8
80°	728.5	723.3	855.8	1243.1	2736.9	4514.2	4083.6	16237.5	16446.2	12730.1	7004.3
82.5°	446.3	450.2	559.2	878.2	1862.6	4062.6	3855.2	8853.8	8626.7	3570.4	1749.8
85°	256.0	254.7	357.0	594.6	1195.8	3428.6	3759.4	3810.6	3495.6	1075.1	632.7
87.5°	91.9	98.4	191.6	329.5	685.2	2387.7	3189.7	1982.1	1786.5	485.7	286.2
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: P319300

CATALOG NUMBER: GAN-SA6D-727-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4	8709.4
2.5°	8698.9	8706.8	8697.6	8645.1	8600.5	8528.3	8487.6	8431.1	8414.1	8406.2	8427.2
5°	8731.7	8734.4	8656.9	8519.1	8364.2	8181.7	8050.5	7889.0	7812.9	7780.1	7801.1
7.5°	8761.9	8750.1	8580.8	8316.9	8030.8	7713.1	7430.9	7172.3	7021.4	6959.7	6964.9
10°	8765.9	8716.0	8444.3	8036.0	7592.4	7126.4	6693.2	6294.1	6042.1	5878.0	5927.9
12.5°	8725.2	8641.2	8243.4	7672.4	7056.8	6421.5	5836.0	5237.5	4877.8	4711.1	4716.3
15°	8693.7	8541.4	7996.6	7244.5	6417.5	5576.1	4776.7	4073.1	3689.9	3519.2	3439.1
17.5°	8667.4	8433.8	7710.5	6762.8	5662.8	4595.6	3634.7	3007.3	2797.3	2747.4	2726.4
20°	8630.7	8319.6	7391.5	6204.9	4803.0	3498.2	2654.2	2344.4	2345.7	2403.5	2411.3
22.5°	8579.5	8189.6	7051.5	5578.8	3880.2	2547.8	2080.5	1991.3	2081.9	2192.1	2211.8
25°	8503.3	8036.0	6673.5	4887.0	2958.7	1958.5	1777.3	1773.4	1883.6	1999.2	2016.2
27.5°	8395.7	7835.2	6253.5	4144.0	2180.3	1664.4	1592.2	1619.8	1701.2	1785.2	1791.8
30°	8251.3	7601.5	5790.1	3360.4	1709.1	1482.0	1474.1	1499.0	1548.9	1608.0	1613.2
32.5°	8092.5	7364.0	5295.2	2601.7	1463.6	1383.5	1391.4	1403.2	1426.8	1450.5	1455.7
35°	7948.1	7121.1	4788.5	1976.8	1346.8	1319.2	1314.0	1311.3	1314.0	1306.1	1307.4
37.5°	7854.9	6920.3	4260.9	1573.9	1279.8	1262.8	1247.0	1227.3	1205.0	1191.9	1194.5
40°	7820.8	6770.6	3726.6	1359.9	1224.7	1212.9	1182.7	1140.7	1114.4	1106.6	1106.6
42.5°	7912.6	6693.2	3210.7	1252.3	1178.8	1159.1	1109.2	1060.6	1040.9	1039.6	1038.3
45°	8193.5	6724.7	2719.8	1193.2	1136.8	1098.7	1033.1	992.4	979.2	981.9	980.5
47.5°	8697.6	6922.9	2299.8	1153.8	1094.7	1044.9	971.4	938.5	922.8	922.8	924.1
50°	9554.8	7386.3	1965.0	1121.0	1059.3	995.0	926.7	886.0	865.0	863.7	863.7
52.5°	10803.1	8215.9	1756.3	1093.4	1019.9	950.4	882.1	830.9	806.0	800.7	798.1
55°	12367.8	9405.1	1698.6	1075.1	967.4	901.8	828.3	777.1	749.5	737.7	736.4
57.5°	14117.5	10851.7	1812.8	1052.7	913.6	844.0	769.2	720.6	691.8	677.3	676.0
60°	15888.3	12430.8	2278.8	1021.2	869.0	781.0	708.8	664.2	635.3	619.6	616.9
62.5°	17661.7	14095.2	3230.4	1018.6	837.5	720.6	647.1	609.1	581.5	564.4	560.5
65°	19662.1	15917.2	4312.0	1088.2	827.0	665.5	584.1	553.9	530.3	514.6	513.2
67.5°	21959.3	17974.1	4208.3	1231.3	862.4	615.6	525.1	501.4	484.4	471.2	469.9
70°	23037.0	17652.5	2616.1	1332.3	912.3	567.1	468.6	451.6	438.4	429.2	425.3
71°	22585.4	16761.2	2193.4	1320.5	907.0	546.1	446.3	433.2	420.0	412.2	408.2
72.5°	21354.2	15285.8	1829.8	1228.6	848.0	508.0	417.4	404.3	392.5	383.3	380.7
75°	19162.0	13651.5	1464.9	981.9	676.0	429.2	366.2	351.8	342.6	337.4	332.1
77.5°	14086.0	9742.5	1132.8	775.8	497.5	350.5	312.4	301.9	292.7	284.8	280.9
80°	5396.3	3773.9	762.6	578.9	364.9	277.0	252.0	246.8	237.6	232.3	232.3
82.5°	1453.1	1127.6	406.9	350.5	244.2	202.1	193.0	190.3	182.5	172.0	173.3
85°	588.1	497.5	228.4	193.0	149.6	119.5	130.0	131.3	122.1	108.9	110.3
87.5°	258.6	211.3	127.3	85.3	65.6	45.9	59.1	59.1	53.8	44.6	40.7
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)