

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: P319940

Luminaire Tested: **GAN-SA6D-727-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-727-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36878 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

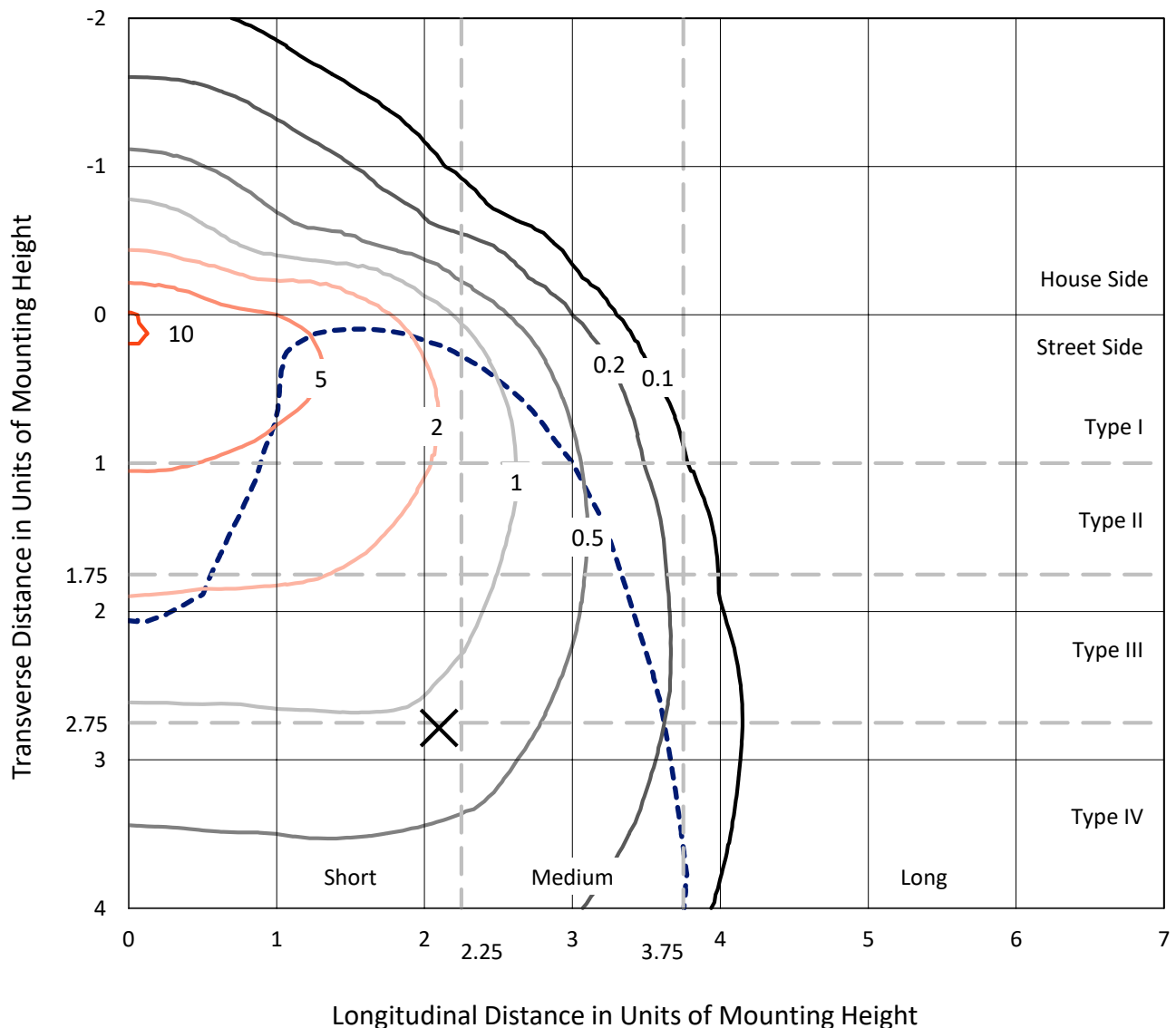
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319940
CATALOG NUMBER: GAN-SA6D-727-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

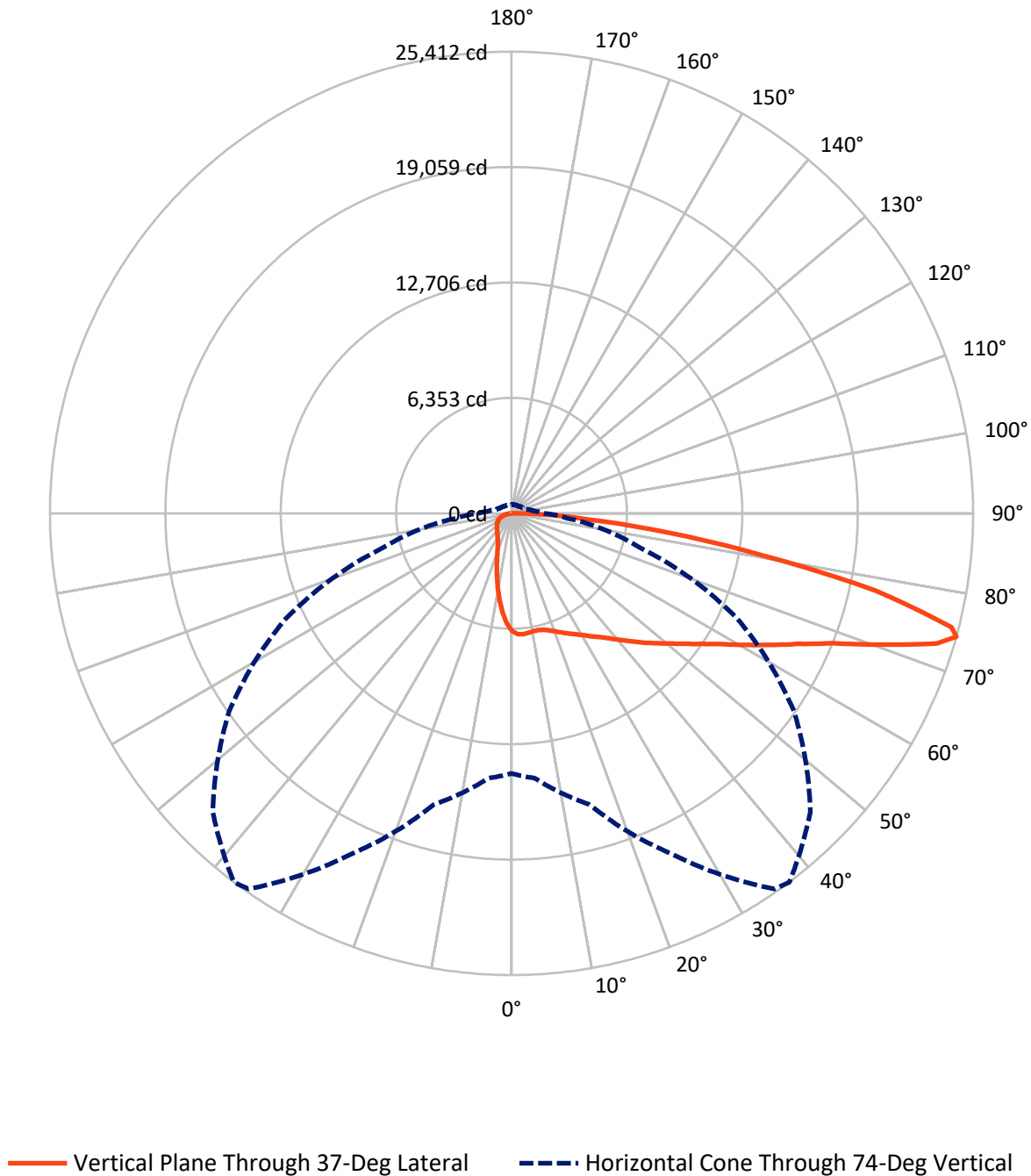
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
Type IV - Short - N/A

REPORT NUMBER: P319940
CATALOG NUMBER: GAN-SA6D-727-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P319940

CATALOG NUMBER: GAN-SA6D-727-U-SL4

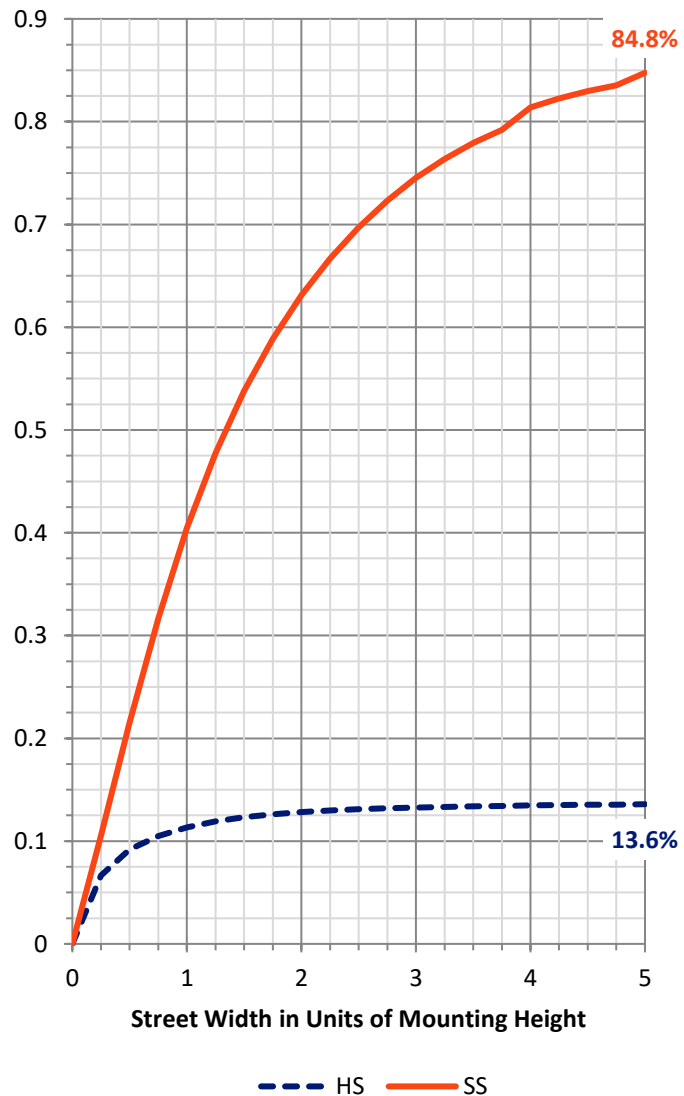
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5074.2	0.0	5074.2
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	31803.8	0.0	31803.8
	% Fixture	86.2	0.0	86.2
Total	Lumens	36878.0	0.0	36878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.2	1.6
10°-20°	1466.7	4.0
20°-30°	2259.9	6.1
30°-40°	3286.2	8.9
40°-50°	4836.8	13.1
50°-60°	6792.4	18.4
60°-70°	8597.0	23.3
70°-80°	7570.0	20.5
80°-90°	1496.8	4.1
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°	36878.0	100.0
0°-180°	36878.0	100.0

Coefficient of Utilization



REPORT NUMBER: P319940

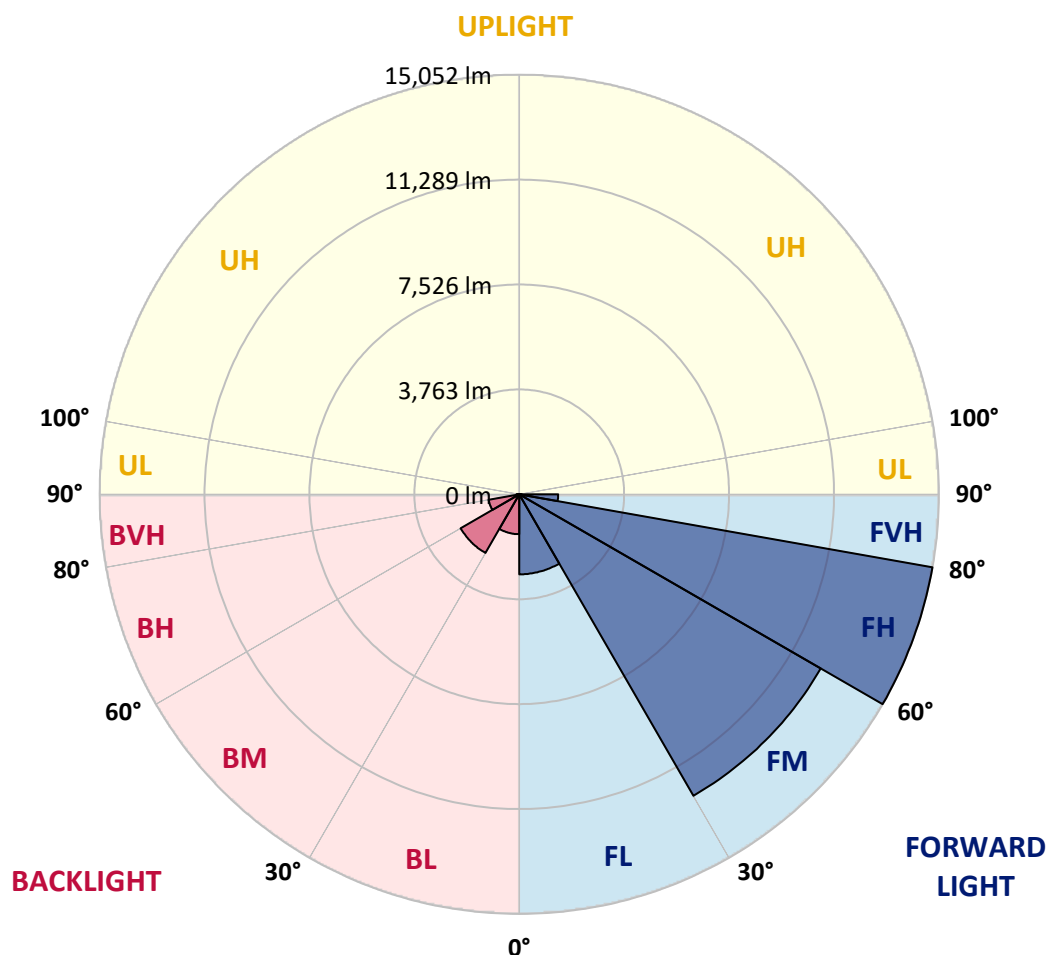
CATALOG NUMBER: GAN-SA6D-727-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2869.5	7.8			
FM	(30°-60°)	12487.2	33.9			
FH	(60°-80°)	15051.7	40.8			G5
FVH	(80°-90°)	1395.4	3.8			G5
BL	(0°-30°)	1429.3	3.9	B3/2500		
BM	(30°-60°)	2428.2	6.6	B2/2500		
BH	(60°-80°)	1115.4	3.0	B3/2500		G3/2500
BVH	(80°-90°)	101.4	0.3			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 IV Short





REPORT NUMBER: P319940

CATALOG NUMBER: GAN-SA6D-727-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8
2.5°	6719.9	6721.2	6719.9	6709.5	6684.8	6664.0	6647.1	6622.5	6567.9	6526.3	6464.0
5°	6783.5	6775.8	6770.6	6751.1	6712.1	6688.7	6656.2	6609.5	6519.8	6436.7	6335.4
7.5°	6753.7	6744.6	6732.9	6709.5	6665.3	6645.9	6600.4	6539.3	6431.5	6322.4	6176.9
10°	6661.4	6658.8	6653.6	6648.4	6610.8	6595.2	6553.6	6488.7	6382.1	6249.6	6079.5
12.5°	6558.8	6565.3	6586.1	6613.4	6596.5	6588.7	6562.7	6518.5	6409.4	6266.5	6061.3
15°	6493.9	6512.1	6567.9	6639.4	6653.6	6651.0	6644.6	6616.0	6500.4	6341.9	6102.9
17.5°	6471.8	6501.7	6608.2	6726.4	6768.0	6777.1	6779.7	6730.3	6601.7	6434.1	6145.7
20°	6512.1	6549.7	6705.6	6868.0	6934.2	6939.4	6927.7	6842.0	6697.8	6513.3	6169.1
22.5°	6634.2	6667.9	6862.8	7046.0	7121.3	7129.1	7094.0	6964.1	6799.1	6606.9	6201.6
25°	6869.3	6910.9	7105.7	7288.9	7327.8	7329.1	7278.5	7117.4	6931.6	6738.1	6271.7
27.5°	7175.9	7217.4	7392.8	7572.1	7551.3	7539.6	7470.7	7309.7	7104.4	6918.6	6396.4
30°	7517.5	7563.0	7729.2	7856.5	7807.2	7783.8	7727.9	7520.1	7344.7	7165.5	6587.4
32.5°	7870.8	7912.4	8057.9	8144.9	8082.6	8072.2	7987.8	7798.1	7657.8	7542.2	6896.6
35°	8233.3	8263.1	8406.0	8455.4	8372.3	8369.7	8346.3	8172.2	8083.9	8138.4	7346.0
37.5°	8603.5	8611.3	8733.4	8736.0	8711.3	8721.7	8746.4	8637.3	8661.9	8832.1	7930.6
40°	8933.4	8954.2	9042.6	9069.8	9112.7	9149.1	9272.5	9201.0	9392.0	9693.4	8658.1
42.5°	9177.7	9217.9	9359.5	9429.7	9568.7	9625.8	9799.9	9866.2	10250.7	10702.7	9523.2
45°	9384.2	9446.6	9673.9	9818.1	10053.2	10153.2	10402.7	10624.8	11221.0	11797.8	10433.8
47.5°	9607.6	9686.9	9971.4	10246.8	10566.3	10679.3	11132.7	11465.3	12256.4	12899.4	11292.5
50°	9936.3	9997.4	10275.3	10707.9	11106.7	11252.2	11879.7	12356.4	13308.6	13949.0	12036.8
52.5°	10394.9	10371.5	10606.6	11213.2	11748.5	11927.7	12677.3	13304.7	14375.1	14898.6	12665.6
55°	10856.0	10817.0	10982.0	11742.0	12496.7	12685.1	13555.4	14256.9	15389.6	15753.4	13147.5
57.5°	11369.1	11295.1	11434.1	12338.2	13348.9	13573.6	14538.8	15268.8	16387.3	16444.5	13454.1
60°	11897.8	11797.8	11953.7	13077.4	14431.0	14696.0	15689.7	16256.1	17327.8	16997.8	13552.8
62.5°	12360.3	12290.1	12530.5	13902.2	15650.7	15941.7	16819.9	17305.7	18255.3	17227.8	13196.9
65°	12764.3	12776.0	13191.7	14829.8	17010.8	17321.3	18116.3	18599.5	18985.4	17091.4	12364.2
67.5°	13246.2	13312.5	14021.8	16050.8	18723.0	19063.3	20002.5	20010.3	19393.3	16291.2	10724.8
70°	13949.0	14085.4	15163.6	17744.8	21157.3	21625.0	22349.9	20839.1	18820.4	14121.8	8438.5
72.5°	14572.5	14827.2	16378.2	19682.9	24124.3	24479.0	23722.9	20361.0	16426.3	10583.2	5257.2
74°	14319.2	14634.9	16599.0	20637.7	25241.5	25411.7	23259.2	18965.9	13695.7	7329.1	3055.3
75°	13773.6	14116.6	16276.9	20628.6	25099.9	25005.1	22139.4	17372.0	11279.5	4998.7	2033.0
77.5°	11115.8	11478.3	13715.2	17679.8	20580.6	20490.9	17006.9	11653.6	4940.2	1639.4	1032.7
80°	6462.7	6739.4	8513.9	11227.5	13877.6	14039.9	11184.7	5766.4	1943.4	921.0	700.2
82.5°	2870.9	3061.8	4112.7	5731.3	8374.9	8584.0	5857.3	3021.5	1200.3	559.9	420.9
85°	1883.6	2025.2	2496.7	2729.3	3988.0	4130.9	2867.0	2352.5	792.4	307.9	309.2
87.5°	1354.9	1491.3	1855.0	1619.9	1830.3	1732.9	1560.1	2177.2	318.3	175.4	103.9
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: P319940

CATALOG NUMBER: GAN-SA6D-727-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8	6497.8
2.5°	6436.7	6415.9	6369.2	6280.8	6231.5	6189.9	6121.0	6080.8	6062.6	6061.3	6069.1
5°	6276.9	6228.9	6108.1	5960.0	5841.7	5733.9	5600.1	5519.6	5462.4	5428.7	5437.8
7.5°	6091.2	6015.8	5826.2	5589.7	5400.1	5190.9	4984.4	4861.0	4764.9	4693.4	4706.4
10°	5963.9	5859.9	5583.2	5242.9	4927.2	4623.3	4338.8	4168.6	4033.5	3929.6	3937.4
12.5°	5921.0	5780.7	5397.5	4942.8	4499.8	4084.2	3712.6	3451.5	3312.5	3194.3	3203.4
15°	5927.5	5739.1	5241.6	4672.6	4115.3	3591.8	3141.1	2835.8	2647.4	2565.6	2566.9
17.5°	5932.7	5691.1	5077.9	4382.9	3734.7	3132.0	2642.2	2333.1	2155.1	2079.8	2081.1
20°	5915.8	5613.1	4875.3	4050.4	3337.2	2709.8	2235.6	1973.2	1838.1	1779.7	1779.7
22.5°	5893.7	5520.9	4646.6	3716.5	2944.9	2343.5	1944.7	1744.6	1666.7	1627.7	1626.4
25°	5904.1	5452.0	4412.8	3373.6	2583.8	2051.2	1751.1	1618.6	1566.6	1542.0	1540.7
27.5°	5960.0	5419.6	4197.2	3031.9	2268.1	1831.6	1621.2	1527.7	1493.9	1478.3	1478.3
30°	6061.3	5419.6	3972.4	2741.0	2005.7	1669.3	1521.2	1457.5	1434.1	1423.7	1423.7
32.5°	6238.0	5449.4	3755.5	2452.6	1796.6	1542.0	1438.0	1395.2	1377.0	1371.8	1371.8
35°	6541.9	5550.8	3543.8	2179.8	1627.7	1438.0	1358.8	1334.1	1321.1	1319.8	1323.7
37.5°	6969.3	5757.3	3345.0	1978.4	1508.2	1353.6	1292.5	1273.1	1265.3	1271.8	1276.9
40°	7507.1	6037.9	3164.4	1796.6	1417.2	1286.0	1231.5	1218.5	1214.6	1223.7	1231.5
42.5°	8156.6	6417.2	3016.4	1665.4	1347.1	1228.9	1179.5	1163.9	1160.0	1170.4	1180.8
45°	8859.4	6825.1	2912.4	1567.9	1292.5	1186.0	1134.1	1117.2	1109.4	1114.6	1126.3
47.5°	9498.5	7210.9	2870.9	1499.1	1240.6	1149.6	1093.8	1073.0	1060.0	1057.4	1066.5
50°	10037.6	7498.0	2890.3	1457.5	1199.0	1109.4	1054.8	1031.4	1011.9	1000.3	1006.8
52.5°	10429.9	7678.6	2908.5	1439.3	1166.5	1065.2	1011.9	989.9	963.9	944.4	944.4
55°	10714.4	7720.2	2868.3	1425.0	1141.8	1017.1	963.9	943.1	917.1	895.0	892.4
57.5°	10826.1	7603.2	2718.9	1404.3	1125.0	971.7	913.2	897.6	875.5	849.6	848.3
60°	10675.4	7242.1	2430.5	1360.1	1102.9	934.0	862.6	852.2	841.8	817.1	815.8
62.5°	10070.1	6449.7	2057.7	1270.5	1058.7	893.7	815.8	821.0	822.3	805.4	802.8
65°	8972.4	5361.1	1693.9	1153.5	992.5	845.7	767.7	792.4	806.7	804.1	800.2
67.5°	7377.2	4172.5	1435.4	1030.1	905.4	779.4	715.8	744.3	756.0	765.1	762.5
70°	5475.4	2942.3	1187.3	900.2	800.2	701.5	648.2	662.5	654.7	665.1	669.0
72.5°	3052.7	1765.4	967.8	770.3	691.1	610.5	572.9	570.3	553.4	553.4	553.4
74°	1831.6	1295.1	850.9	689.8	624.8	550.8	518.3	506.6	491.0	492.3	491.0
75°	1473.1	1113.3	780.7	636.5	578.1	515.7	483.2	467.7	456.0	456.0	454.7
77.5°	930.1	845.7	628.7	506.6	462.5	424.8	402.7	381.9	381.9	380.6	379.3
80°	702.8	672.9	489.7	383.2	354.6	326.1	311.8	302.7	302.7	306.6	305.3
82.5°	481.9	506.6	344.2	267.6	253.3	232.5	229.9	231.2	227.3	222.1	220.8
85°	352.0	380.6	232.5	168.9	154.6	141.6	152.0	157.2	150.7	139.0	133.8
87.5°	135.1	249.4	124.7	70.1	65.0	55.9	65.0	67.5	72.7	57.2	58.5
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)