

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: P318954

Luminaire Tested: **GAN-SA0A-727-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-727-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38305 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

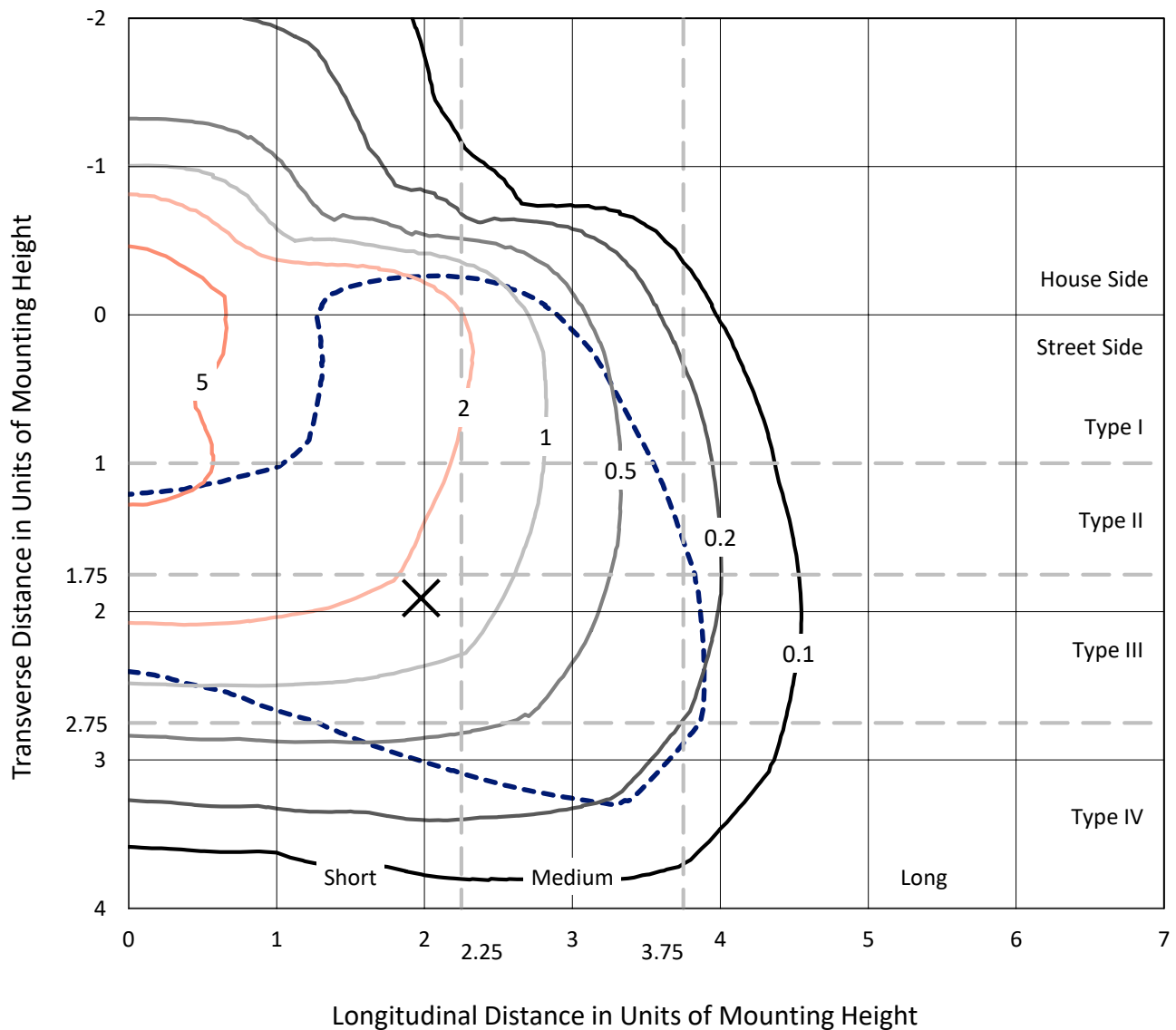
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318954
 CATALOG NUMBER: GAN-SA0A-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

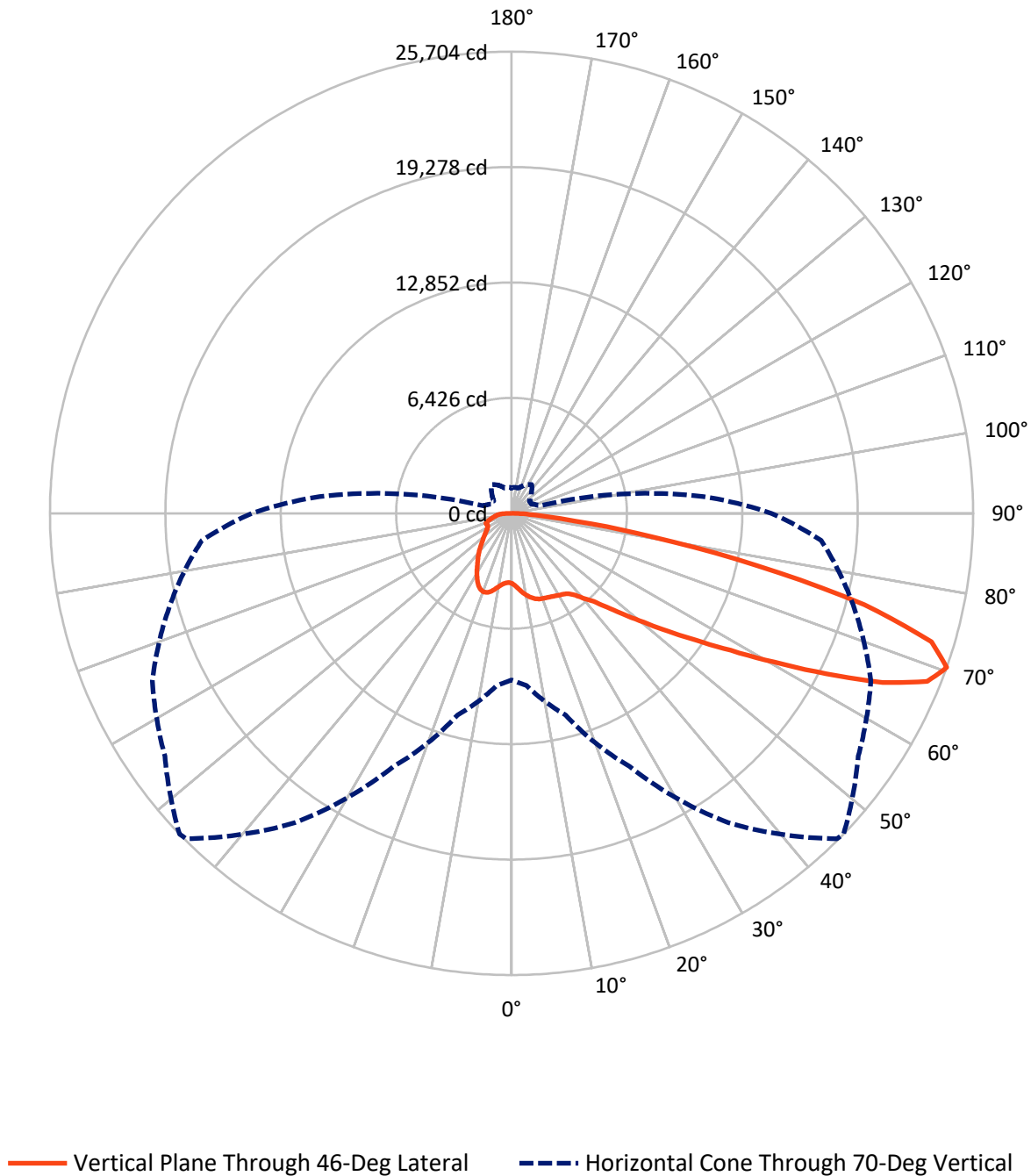
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P318954
CATALOG NUMBER: GAN-SA0A-727-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P318954

CATALOG NUMBER: GAN-SA0A-727-U-T4W

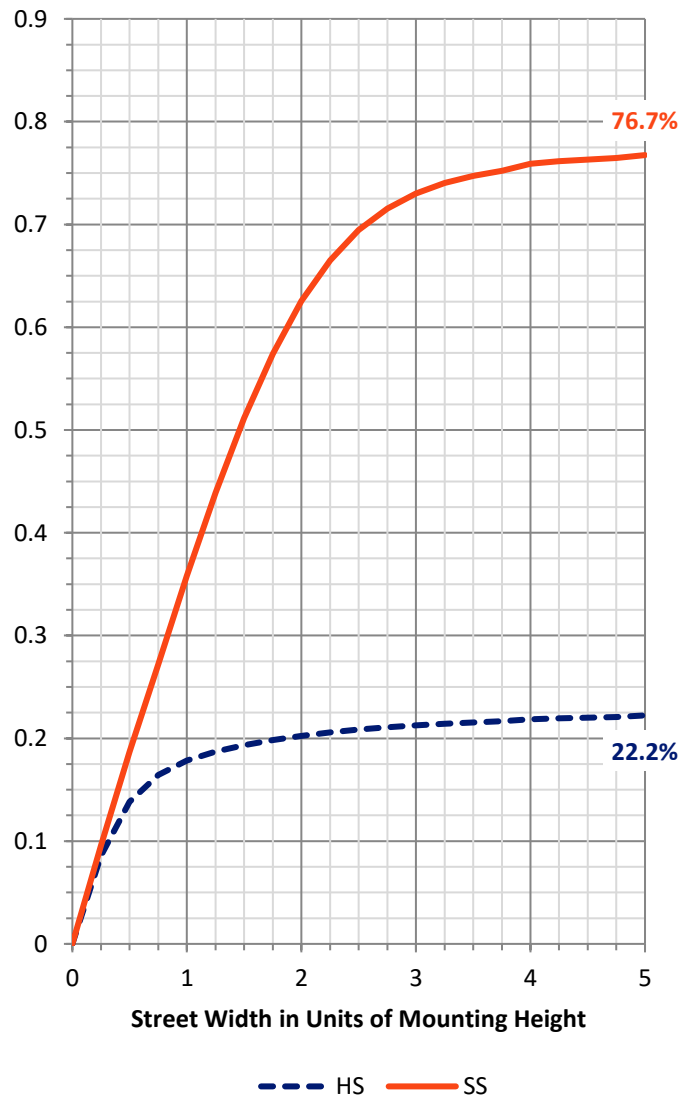
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8779.4	0.0	8779.4
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	29525.6	0.0	29525.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	38305.0	0.0	38305.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.8	1.0
10°-20°	1325.5	3.5
20°-30°	2210.1	5.8
30°-40°	3136.2	8.2
40°-50°	4613.2	12.0
50°-60°	7812.4	20.4
60°-70°	11089.6	29.0
70°-80°	6737.0	17.6
80°-90°	983.2	2.6
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°	38305.0	100.0
0°-180°	38305.0	100.0

Coefficient of Utilization



REPORT NUMBER: P318954

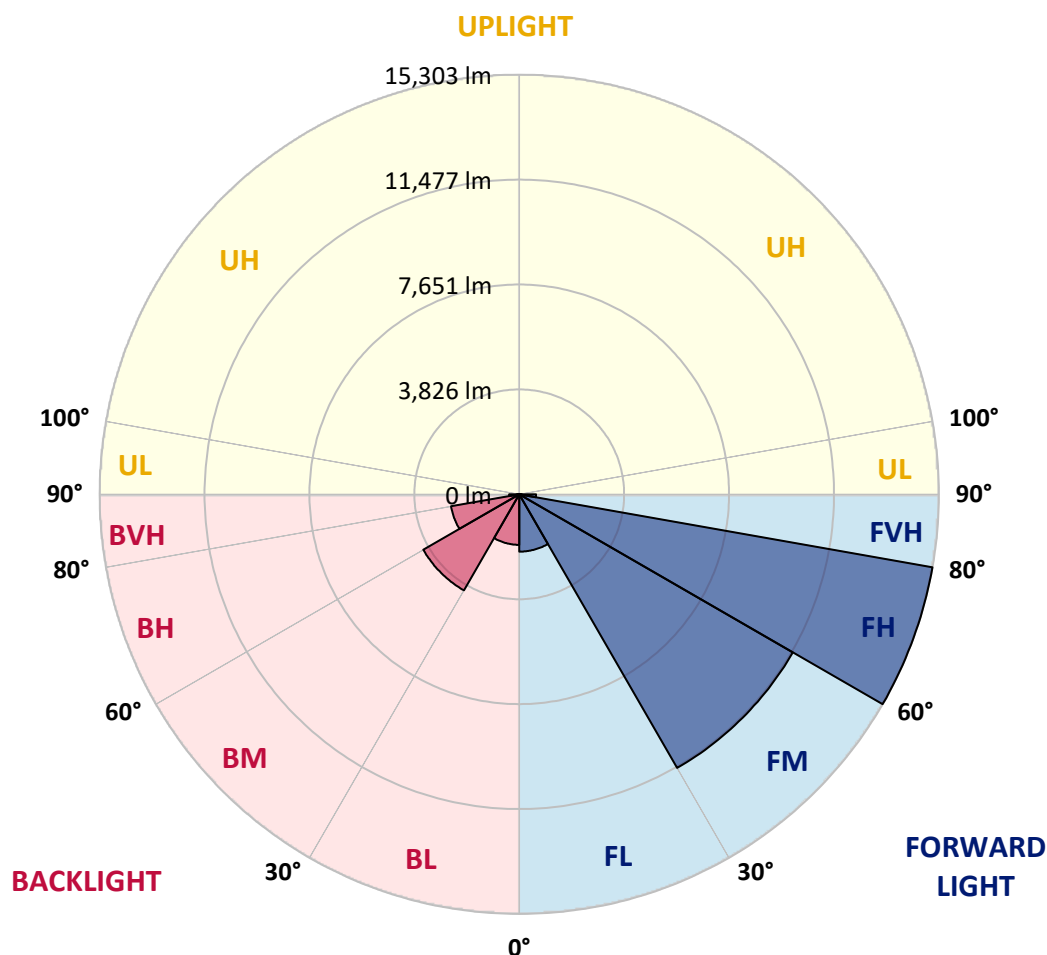
CATALOG NUMBER: GAN-SA0A-727-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2090.1	5.5			
FM	(30°-60°)	11520.4	30.1			
FH	(60°-80°)	15302.6	39.9			G5
FVH	(80°-90°)	612.4	1.6			G4/750
BL	(0°-30°)	1843.3	4.8	B3/2500		
BM	(30°-60°)	4041.4	10.6	B3/5000		
BH	(60°-80°)	2524.0	6.6	B4/5000		G4/5000
BVH	(80°-90°)	370.7	1.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





REPORT NUMBER: P318954

CATALOG NUMBER: GAN-SA0A-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5
2.5°	4097.9	4100.5	4105.7	4092.6	4055.9	4045.4	4041.5	4003.5	3978.6	3941.9	3910.4
5°	4425.6	4428.2	4420.3	4383.6	4302.4	4242.1	4236.8	4150.3	4071.6	3987.7	3924.8
7.5°	4767.7	4771.7	4746.7	4677.3	4563.2	4458.3	4451.8	4333.8	4214.5	4087.4	3993.0
10°	5070.5	5054.8	5014.2	4917.2	4782.1	4653.7	4648.4	4525.2	4387.6	4234.2	4108.3
12.5°	5272.4	5259.3	5206.9	5088.9	4940.8	4822.8	4812.3	4698.2	4564.5	4396.7	4246.0
15°	5383.8	5393.0	5322.2	5188.5	5044.3	4944.7	4935.5	4854.2	4734.9	4565.8	4392.8
17.5°	5398.3	5406.1	5338.0	5205.6	5087.6	5019.4	5015.5	4961.7	4875.2	4712.7	4531.8
20°	5314.4	5319.6	5263.2	5154.4	5077.1	5056.1	5054.8	5031.2	4967.0	4822.8	4647.1
22.5°	5192.4	5196.4	5155.7	5077.1	5050.9	5083.6	5092.8	5083.6	5037.8	4902.7	4737.6
25°	5162.3	5159.7	5117.7	5037.8	5060.0	5129.5	5141.3	5145.3	5113.8	4995.8	4852.9
27.5°	5307.8	5298.6	5218.7	5090.2	5104.6	5188.5	5204.2	5242.3	5222.6	5119.0	4984.0
30°	5728.6	5712.9	5549.0	5289.5	5218.7	5261.9	5281.6	5341.9	5345.8	5259.3	5158.4
32.5°	6439.1	6419.4	6125.8	5661.7	5411.4	5336.6	5355.0	5445.5	5494.0	5427.1	5318.3
35°	7337.1	7314.8	6929.4	6294.9	5733.8	5479.5	5492.6	5564.7	5661.7	5567.4	5423.2
37.5°	8273.0	8219.3	7848.3	7039.5	6246.4	5785.0	5785.0	5794.1	5840.0	5643.4	5546.4
40°	9203.8	9150.0	8814.4	7915.2	6909.7	6266.1	6235.9	6032.7	5996.0	5826.9	5794.1
42.5°	10069.0	10053.2	9855.3	8904.9	7688.4	6739.3	6697.4	6352.6	6360.5	6255.6	6256.9
45°	10989.2	10989.2	10828.0	9903.8	8595.5	7499.6	7457.7	6950.4	7029.0	6980.5	7097.2
47.5°	11740.4	11764.0	11741.7	10944.6	9650.8	8465.7	8389.7	7778.8	7999.1	8165.6	8505.1
50°	12507.2	12543.9	12547.9	12086.4	10926.3	9614.1	9527.6	8878.7	9370.3	9847.4	10514.7
52.5°	13620.2	13702.8	13373.7	13225.6	12488.9	10977.4	10892.2	10293.1	11113.8	11783.6	12933.3
55°	14651.9	14579.8	14345.1	14436.9	14161.6	12529.5	12465.3	11939.6	13056.5	13926.9	15420.0
57.5°	15210.3	15205.1	15441.0	15834.3	15965.4	14443.4	14389.7	13878.4	15247.0	15901.1	17754.7
60°	15865.7	15874.9	16459.6	17352.3	17892.4	16826.6	16803.0	16415.0	17374.6	17744.3	19586.1
62.5°	15957.5	16122.7	17129.4	18665.8	19696.2	19611.0	19663.4	18699.9	19278.0	19215.1	20953.3
65°	14902.2	15119.8	16942.0	19063.0	21489.5	22656.2	22704.7	20997.9	20779.0	20472.2	21442.3
67.5°	12739.3	13061.7	15041.2	18199.1	22080.7	24907.0	24975.1	22779.4	22024.3	20898.3	20265.1
70°	9270.6	9628.5	11621.1	15543.3	21026.7	25626.7	25704.0	23567.2	22071.5	19685.7	17299.9
72.5°	5600.1	5880.7	7523.2	11442.8	17746.9	24315.8	24453.4	22568.3	20151.1	16674.6	12774.7
75°	2459.2	2642.8	3637.7	6593.8	12705.2	20118.3	20290.0	19317.3	16373.1	12117.9	7550.7
77.5°	1047.4	1099.8	1491.8	2864.3	7182.4	13747.3	13983.3	14114.4	11108.5	6593.8	3190.7
80°	652.8	673.8	844.2	1296.5	3361.1	7721.2	7975.5	8304.5	5516.2	2423.8	1114.3
82.5°	397.2	420.8	561.1	783.9	1750.0	3500.1	3622.0	3854.0	2140.7	1047.4	576.8
85°	238.6	255.6	343.5	495.5	996.3	1376.4	1375.1	1520.6	1008.1	673.8	304.1
87.5°	114.0	127.2	183.5	256.9	502.1	516.5	483.7	548.0	612.2	441.8	153.4
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: P318954

CATALOG NUMBER: GAN-SA0A-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5	3902.5
2.5°	3899.9	3894.7	3877.6	3864.5	3861.9	3854.0	3847.5	3851.4	3856.6	3858.0	3858.0
5°	3898.6	3884.2	3861.9	3852.7	3864.5	3880.2	3899.9	3926.1	3941.9	3953.7	3961.5
7.5°	3961.5	3934.0	3909.1	3903.8	3927.4	3969.4	4014.0	4069.0	4107.0	4133.2	4138.5
10°	4066.4	4032.3	4007.4	4012.6	4054.6	4114.9	4177.8	4248.6	4306.3	4341.7	4344.3
12.5°	4187.0	4154.2	4130.6	4152.9	4222.4	4295.8	4361.3	4423.0	4475.4	4510.8	4510.8
15°	4325.9	4302.4	4274.8	4325.9	4420.3	4485.9	4513.4	4543.6	4572.4	4598.6	4593.4
17.5°	4459.7	4437.4	4423.0	4483.3	4581.6	4611.7	4593.4	4571.1	4571.1	4585.5	4588.1
20°	4575.0	4555.4	4564.5	4623.5	4674.6	4643.2	4575.0	4504.2	4475.4	4483.3	4491.1
22.5°	4676.0	4666.8	4694.3	4721.8	4685.1	4575.0	4449.2	4353.5	4318.1	4315.5	4318.1
25°	4793.9	4792.6	4826.7	4776.9	4614.3	4411.2	4242.1	4149.0	4129.3	4145.0	4171.3
27.5°	4940.8	4955.2	4972.2	4790.0	4470.1	4163.4	3991.7	3927.4	3947.1	3985.1	4010.0
30°	5128.2	5167.5	5130.8	4757.2	4263.0	3880.2	3716.4	3698.0	3751.8	3805.5	3831.7
32.5°	5310.4	5372.0	5282.9	4672.0	3995.6	3580.0	3452.9	3447.6	3513.2	3565.6	3602.3
35°	5457.2	5579.2	5396.9	4502.9	3686.2	3303.5	3210.4	3175.0	3198.6	3260.2	3302.1
37.5°	5648.6	5851.8	5475.6	4244.7	3350.6	3075.4	2966.6	2885.3	2864.3	2889.2	2910.2
40°	5998.6	6267.4	5512.3	3884.2	3022.9	2847.3	2737.1	2617.9	2535.3	2475.0	2476.3
42.5°	6570.2	6808.8	5488.7	3446.3	2720.1	2624.4	2499.9	2362.2	2228.5	2092.2	2081.7
45°	7498.3	7613.7	5417.9	2982.3	2454.0	2391.1	2274.4	2136.8	1958.5	1803.8	1789.4
47.5°	8983.6	8727.9	5307.8	2577.2	2219.3	2193.1	2085.6	1927.0	1738.2	1613.7	1603.2
50°	11008.9	10336.4	5254.1	2254.7	2012.2	2020.1	1932.3	1764.5	1586.2	1494.4	1483.9
52.5°	13431.4	12209.7	5357.6	2005.7	1845.7	1873.3	1807.7	1650.4	1501.0	1428.9	1418.4
55°	15944.4	14149.8	5469.0	1824.8	1688.4	1742.2	1719.9	1590.1	1455.1	1388.2	1379.1
57.5°	18095.6	15598.3	5246.2	1677.9	1548.2	1632.1	1651.7	1552.1	1431.5	1371.2	1360.7
60°	19449.7	16181.7	4661.5	1540.3	1436.7	1544.2	1612.4	1541.6	1440.7	1435.4	1427.6
62.5°	20092.1	16130.5	3784.5	1431.5	1367.3	1506.2	1641.2	1600.6	1545.5	1592.7	1596.7
65°	19803.7	15359.7	2818.4	1359.4	1317.4	1520.6	1727.8	1712.0	1575.7	1622.9	1629.4
67.5°	17905.5	13520.6	2086.9	1296.5	1262.4	1561.3	1885.1	1748.7	1516.7	1550.8	1529.8
70°	14472.3	10719.2	1609.8	1225.7	1206.0	1556.0	1955.9	1726.4	1452.5	1460.3	1404.0
72.5°	9979.8	7309.5	1309.6	1160.1	1124.7	1418.4	1906.0	1671.4	1398.7	1338.4	1263.7
75°	5427.1	3923.5	1112.9	1092.0	981.9	1245.3	1814.3	1632.1	1350.2	1270.3	1228.3
77.5°	2135.4	1628.1	966.1	998.9	858.6	1099.8	1712.0	1557.3	1283.4	1178.5	1157.5
80°	871.7	831.1	801.0	863.9	738.0	962.2	1588.8	1469.5	1203.4	1093.3	1051.3
82.5°	494.2	516.5	622.7	681.7	599.1	886.2	1529.8	1398.7	1107.7	979.2	929.4
85°	253.0	302.8	433.9	489.0	440.5	753.8	1409.2	1224.4	888.8	749.8	753.8
87.5°	121.9	169.1	274.0	306.7	285.8	545.3	1052.6	887.5	692.2	548.0	530.9
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)