

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: P321372

Luminaire Tested: **GAN-SA8C-760-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-760-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45755 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

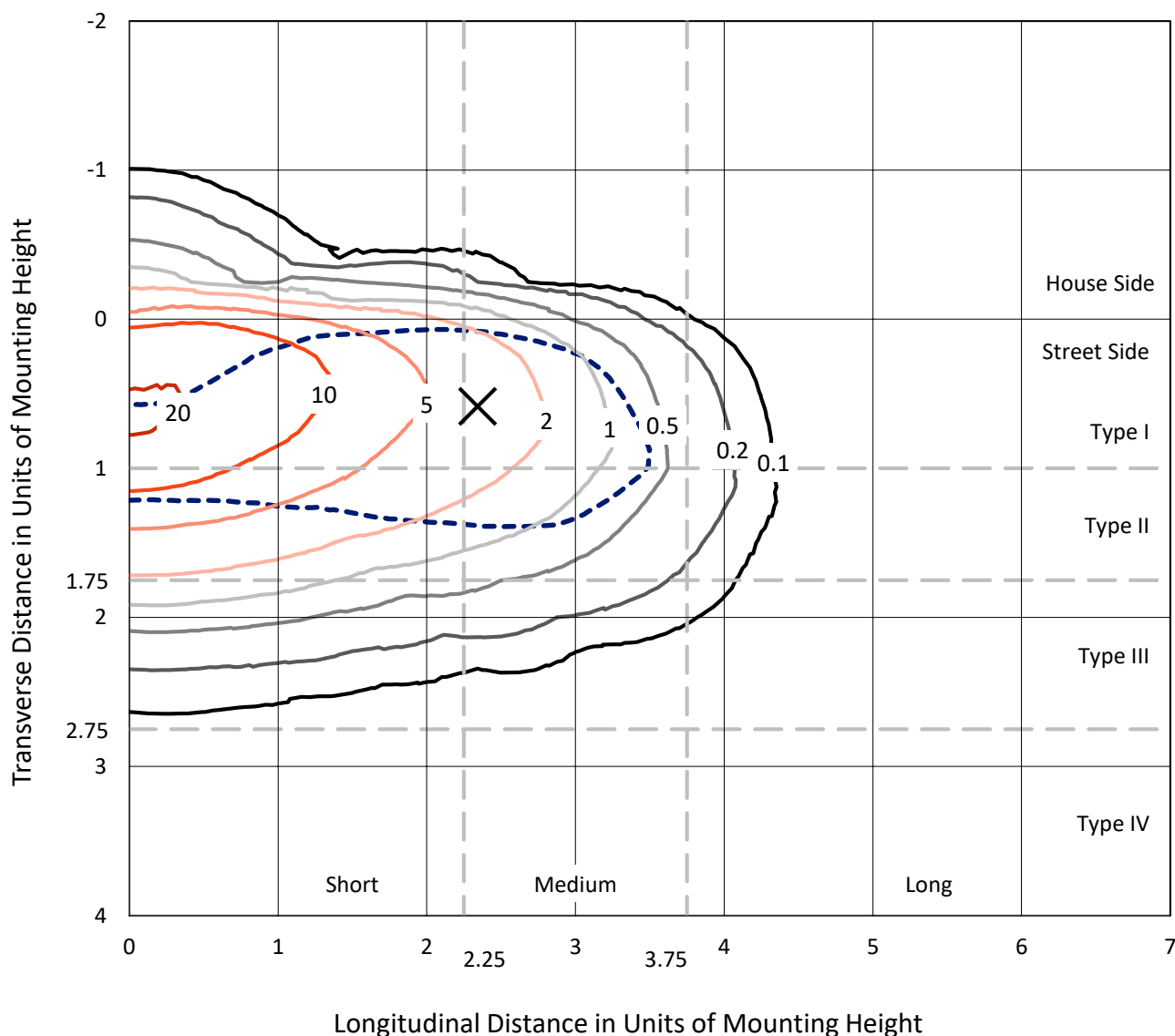
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321372
 CATALOG NUMBER: GAN-SA8C-760-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

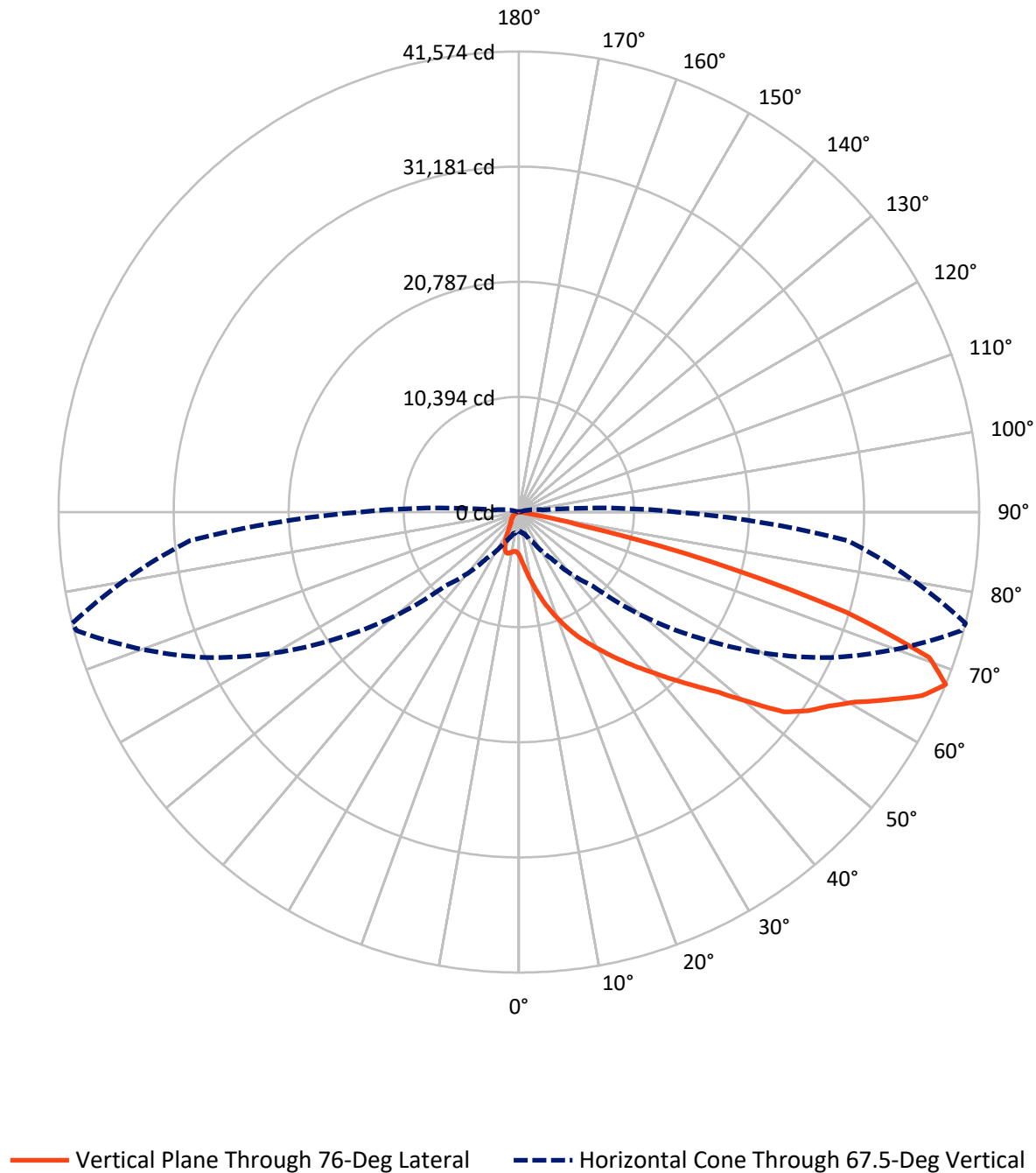
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P321372
CATALOG NUMBER: GAN-SA8C-760-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P321372

CATALOG NUMBER: GAN-SA8C-760-U-T2R-HSS

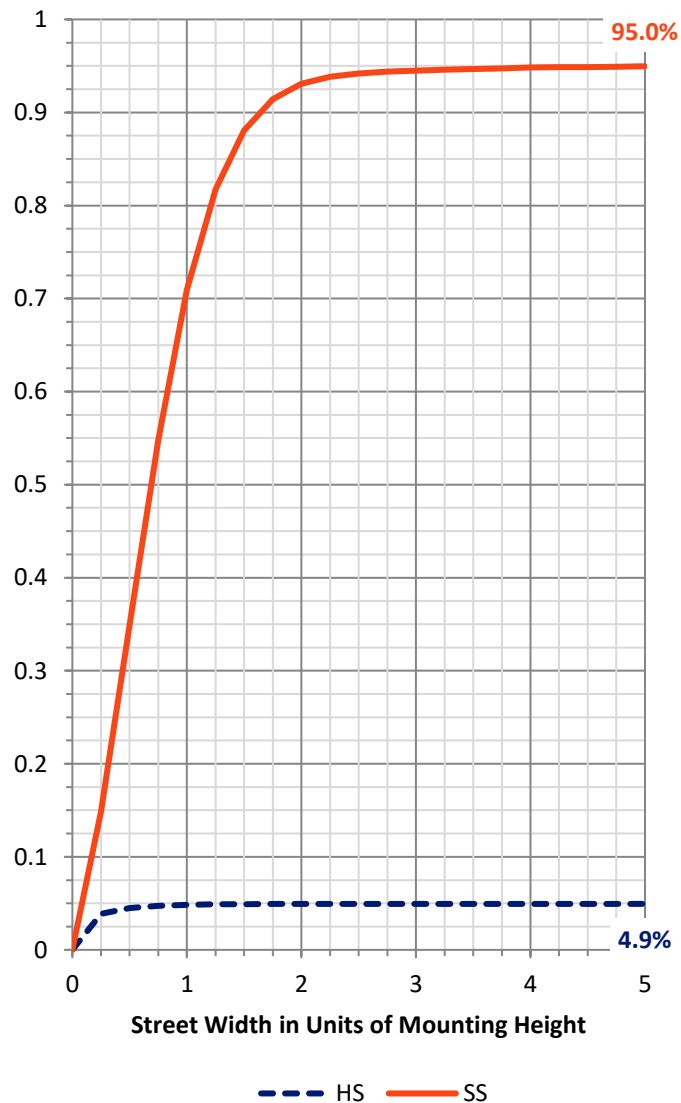
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2272.1	0.0	2272.1
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	43482.9	0.0	43482.9
	% Fixture	95.0	0.0	95.0
Total	Lumens	45755.0	0.0	45755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.6	1.1
10°-20°	1913.3	4.2
20°-30°	3892.8	8.5
30°-40°	6756.7	14.8
40°-50°	9546.4	20.9
50°-60°	10826.0	23.7
60°-70°	8979.2	19.6
70°-80°	3252.5	7.1
80°-90°	105.5	0.2
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°	45755.0	100.0
0°-180°	45755.0	100.0

Coefficient of Utilization



REPORT NUMBER: P321372

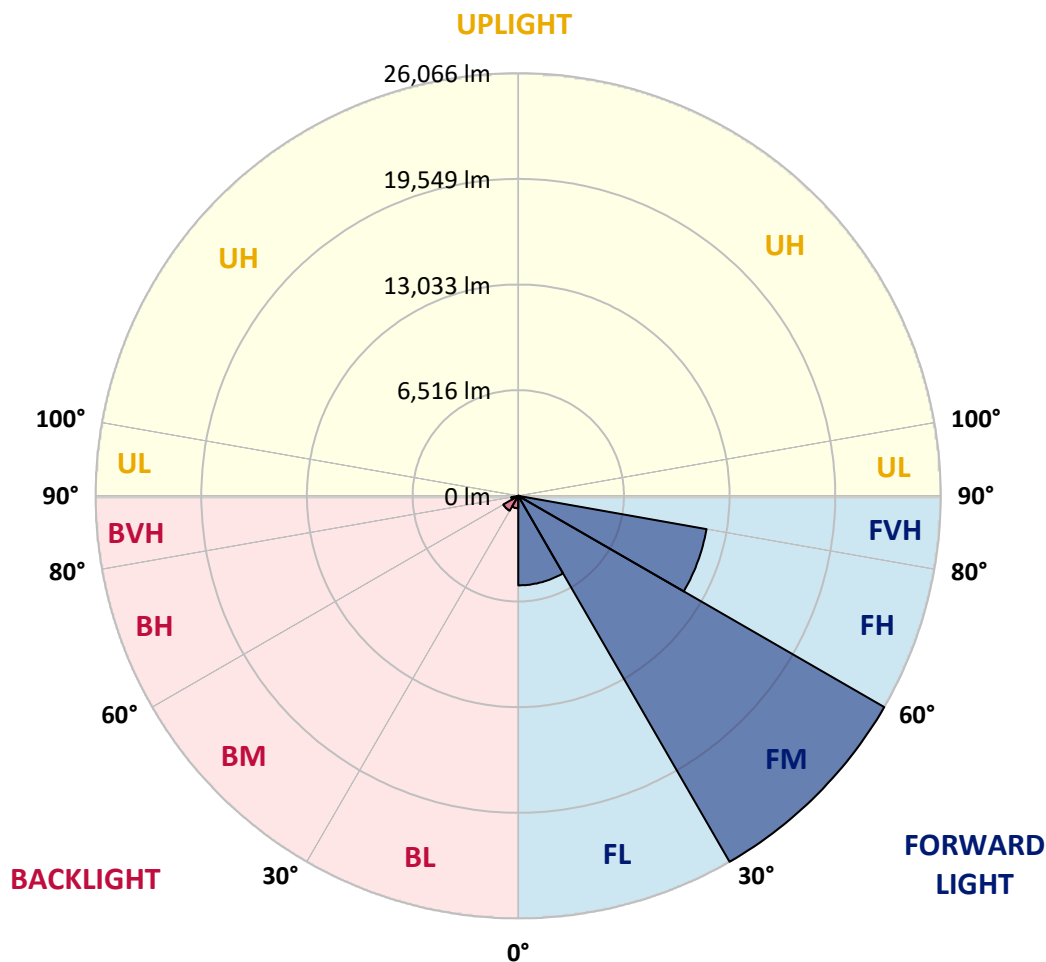
CATALOG NUMBER: GAN-SA8C-760-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5522.5	12.1			
FM	(30°-60°)	26065.7	57.0			
FH	(60°-80°)	11792.6	25.8			G4/12000
FVH	(80°-90°)	102.2	0.2			G2/225
BL	(0°-30°)	766.3	1.7	B2/1000		
BM	(30°-60°)	1063.4	2.3	B2/2500		
BH	(60°-80°)	439.1	1.0	B1/500		G1/500
BVH	(80°-90°)	3.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium



REPORT NUMBER: P321372

CATALOG NUMBER: GAN-SA8C-760-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3
2.5°	5794.0	5663.6	5693.7	5609.5	5457.1	5144.4	4877.7	4625.1	4330.4	4320.4	4077.8
5°	7812.8	7702.6	7688.5	7518.1	7241.4	6710.2	6192.9	5603.5	4945.9	4897.8	4382.6
7.5°	9645.2	9557.0	9524.9	9322.5	8807.2	8290.0	7616.3	6750.3	5721.8	5633.6	4793.5
10°	11052.6	11010.5	11018.5	10874.2	10433.1	9952.0	9067.8	7963.2	6601.9	6465.6	5286.7
12.5°	12119.2	12129.2	12201.4	12113.2	11866.6	11509.7	10565.4	9256.3	7576.2	7389.8	5850.1
15°	12903.1	12953.2	13085.5	13195.8	13177.7	12869.0	12002.9	10569.5	8610.7	8404.2	6477.6
17.5°	13410.3	13466.4	13658.9	13903.5	14128.0	14055.9	13390.3	11836.5	9657.3	9418.7	7149.2
20°	13855.4	13921.5	14128.0	14450.8	14869.8	14960.0	14523.0	13065.5	10701.8	10411.1	7842.9
22.5°	14819.7	14817.7	14944.0	15132.5	15531.4	15764.0	15487.3	14206.2	11734.3	11431.5	8550.6
25°	16563.9	16497.7	16453.6	16305.3	16393.5	16537.8	16383.5	15272.8	12772.8	12466.0	9268.3
27.5°	18636.9	18677.0	18320.1	17921.2	17612.4	17464.1	17211.5	16261.2	13771.2	13434.4	9970.0
30°	20824.2	20836.2	20415.2	19905.9	19226.3	18663.0	18225.9	17205.4	14797.6	14430.8	10651.7
32.5°	22796.9	22718.7	22301.7	21608.0	20750.0	20116.5	19208.3	18260.0	15884.3	15529.4	11409.5
35°	24360.7	24268.5	23761.2	23129.7	22239.6	21602.0	20509.4	19312.5	17027.0	16680.2	12169.3
37.5°	25503.4	25395.2	24873.9	24224.4	23456.5	23085.6	22019.0	20457.3	18274.0	17901.1	12969.2
40°	25900.4	25806.2	25479.4	25004.2	24386.7	24302.5	23620.9	21774.4	19631.3	19234.3	13875.4
42.5°	25663.8	25571.6	25455.3	25294.9	25038.3	25118.5	25132.5	23276.1	21138.9	20748.0	14875.8
45°	24725.6	24643.4	24763.6	24998.2	25317.0	25713.9	26511.9	24890.0	22823.0	22406.0	16032.6
47.5°	23344.2	23284.1	23616.9	24202.3	25134.5	26229.2	27772.9	26586.0	24713.5	24326.6	17476.1
50°	21379.5	21369.5	22035.1	23103.7	24537.1	26477.8	29076.0	28514.7	27339.9	26932.9	19482.9
52.5°	18320.1	18340.2	19649.3	21359.4	23488.6	26309.4	29914.1	30992.7	30395.2	29972.2	21221.1
55°	15407.1	15527.4	16455.6	18921.6	21880.7	25683.9	30202.8	32149.4	32081.3	31680.3	22187.4
57.5°	12554.2	12772.8	13666.9	15970.5	19533.1	24242.4	30044.4	32650.6	33336.3	33029.6	23462.5
60°	9462.8	9563.0	10593.5	12746.7	16519.8	21612.1	28895.6	32923.3	35052.4	34839.9	25313.0
62.5°	6020.5	6271.1	7185.3	9262.3	12863.0	17959.3	26958.9	32919.3	37199.6	37315.9	27700.7
65°	3171.6	3464.3	3949.5	5739.8	8839.3	13879.4	24045.9	32610.6	39833.9	39996.3	29567.2
67.5°	1710.1	1794.3	2050.9	2979.2	5126.3	9402.6	19765.6	31086.9	41359.6	41574.1	29827.8
70°	1251.0	1297.1	1393.4	1648.0	2580.2	5461.2	14422.7	27632.6	39392.9	39312.7	26501.8
72.5°	960.3	1032.5	1104.7	1206.9	1483.6	2915.0	8979.6	21638.1	31431.7	30902.4	19809.7
75°	757.8	769.9	872.1	964.3	1112.7	1660.0	3987.6	12602.4	19184.2	17931.2	10272.7
77.5°	605.5	613.5	673.6	753.8	894.2	1090.6	1235.0	4957.9	6124.8	5465.2	2229.4
80°	358.9	378.9	501.2	581.4	741.8	687.7	451.1	1076.6	956.3	866.1	374.9
82.5°	200.5	216.5	282.7	459.1	517.2	328.8	224.5	290.7	224.5	218.5	106.3
85°	0.0	10.0	182.4	284.7	210.5	72.2	94.2	96.2	66.2	62.1	42.1
87.5°	0.0	0.0	56.1	54.1	8.0	12.0	22.1	32.1	26.1	26.1	22.1
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: P321372

CATALOG NUMBER: GAN-SA8C-760-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3	3881.3
2.5°	3957.5	3849.3	3644.8	3444.3	3275.9	3137.6	3013.3	2963.1	2923.0	2917.0	2884.9
5°	4134.0	3915.4	3524.5	3203.7	2989.2	2836.8	2706.5	2626.3	2564.2	2540.1	2518.1
7.5°	4400.6	4069.8	3508.5	3139.6	2882.9	2626.3	2385.7	2125.1	1962.7	1900.6	1864.5
10°	4725.4	4274.3	3568.6	3121.5	2672.4	2131.1	1732.2	1401.4	1267.1	1222.9	1210.9
12.5°	5104.3	4528.9	3672.8	3009.2	2223.4	1513.6	1194.9	1082.6	1052.5	1038.5	1038.5
15°	5539.3	4807.6	3747.0	2684.5	1644.0	1144.8	1034.5	982.4	950.3	932.2	934.3
17.5°	5984.4	5080.2	3710.9	2213.3	1212.9	1018.5	936.3	880.1	836.0	818.0	814.0
20°	6433.5	5332.8	3510.5	1648.0	1026.5	924.2	832.0	769.9	725.7	707.7	703.7
22.5°	6898.6	5547.4	3157.6	1208.9	922.2	820.0	729.8	667.6	625.5	609.5	601.4
25°	7351.7	5721.8	2664.4	978.4	824.0	721.7	635.5	577.4	539.3	523.3	521.3
27.5°	7774.7	5832.0	2093.0	864.1	737.8	633.5	555.3	503.2	471.1	459.1	457.1
30°	8155.6	5842.1	1547.7	779.9	661.6	557.3	485.2	439.1	411.0	399.0	395.0
32.5°	8540.6	5757.9	1126.7	703.7	591.4	491.2	421.0	384.9	364.9	354.9	354.9
35°	8903.4	5563.4	878.1	637.5	523.3	427.0	370.9	344.8	332.8	322.8	322.8
37.5°	9258.3	5284.7	745.8	579.4	459.1	372.9	326.8	310.7	300.7	290.7	290.7
40°	9619.2	4933.9	677.6	525.3	407.0	330.8	290.7	276.7	266.6	258.6	256.6
42.5°	10062.2	4528.9	633.5	475.1	360.9	292.7	256.6	240.6	232.6	224.5	220.5
45°	10575.5	4180.1	597.4	425.0	322.8	260.6	222.5	206.5	194.5	184.4	182.4
47.5°	11315.3	3927.5	549.3	370.9	286.7	226.5	192.5	174.4	156.4	146.4	144.3
50°	12259.5	3719.0	487.2	322.8	250.6	192.5	160.4	138.3	122.3	112.3	112.3
52.5°	12728.7	3446.3	431.0	280.7	210.5	162.4	130.3	104.3	96.2	86.2	86.2
55°	12917.1	3237.8	374.9	238.6	174.4	134.3	102.2	80.2	74.2	68.2	66.2
57.5°	13446.4	3177.7	326.8	202.5	144.3	106.3	78.2	60.1	56.1	48.1	48.1
60°	14298.4	3207.7	282.7	172.4	116.3	82.2	58.1	46.1	42.1	34.1	34.1
62.5°	15218.7	3169.6	238.6	148.4	90.2	60.1	40.1	34.1	34.1	20.0	18.0
65°	15395.1	2822.8	204.5	122.3	70.2	44.1	26.1	22.1	30.1	4.0	0.0
67.5°	14288.4	2189.3	176.4	94.2	52.1	34.1	20.0	10.0	26.1	0.0	0.0
70°	11425.5	1391.4	142.3	68.2	40.1	28.1	16.0	4.0	20.0	0.0	0.0
72.5°	8079.5	807.9	112.3	48.1	34.1	22.1	12.0	0.0	12.0	0.0	0.0
75°	4085.8	431.0	70.2	36.1	26.1	16.0	8.0	0.0	2.0	0.0	0.0
77.5°	884.1	200.5	44.1	26.1	18.0	10.0	4.0	0.0	0.0	0.0	0.0
80°	192.5	88.2	28.1	16.0	10.0	6.0	0.0	0.0	0.0	0.0	0.0
82.5°	70.2	46.1	14.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	38.1	24.1	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.0	8.0	2.0	2.0	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)