

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: P322520

Luminaire Tested: **GAN-SA6B-730-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322520  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22104 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

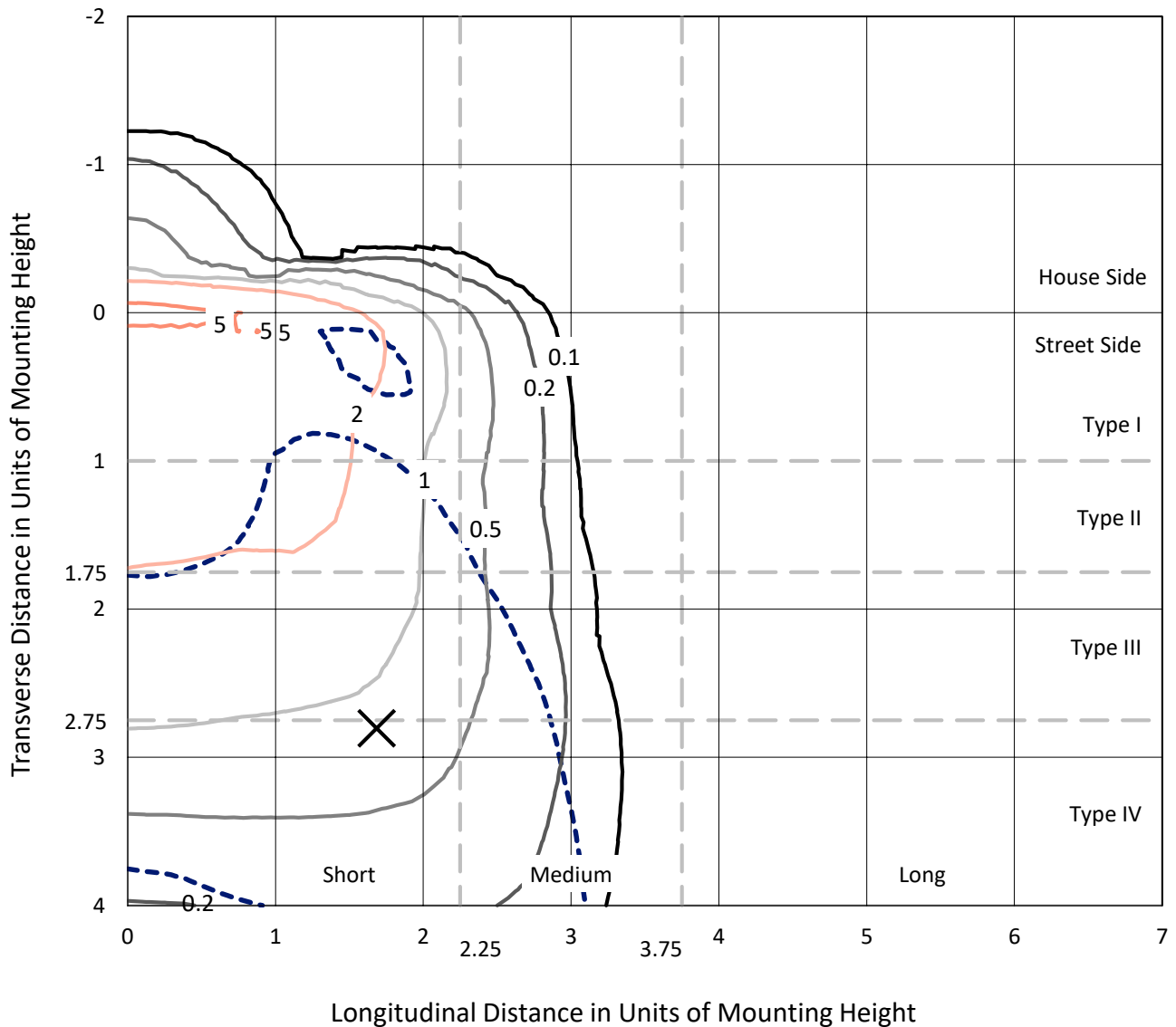
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P322520  
 CATALOG NUMBER: GAN-SA6B-730-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

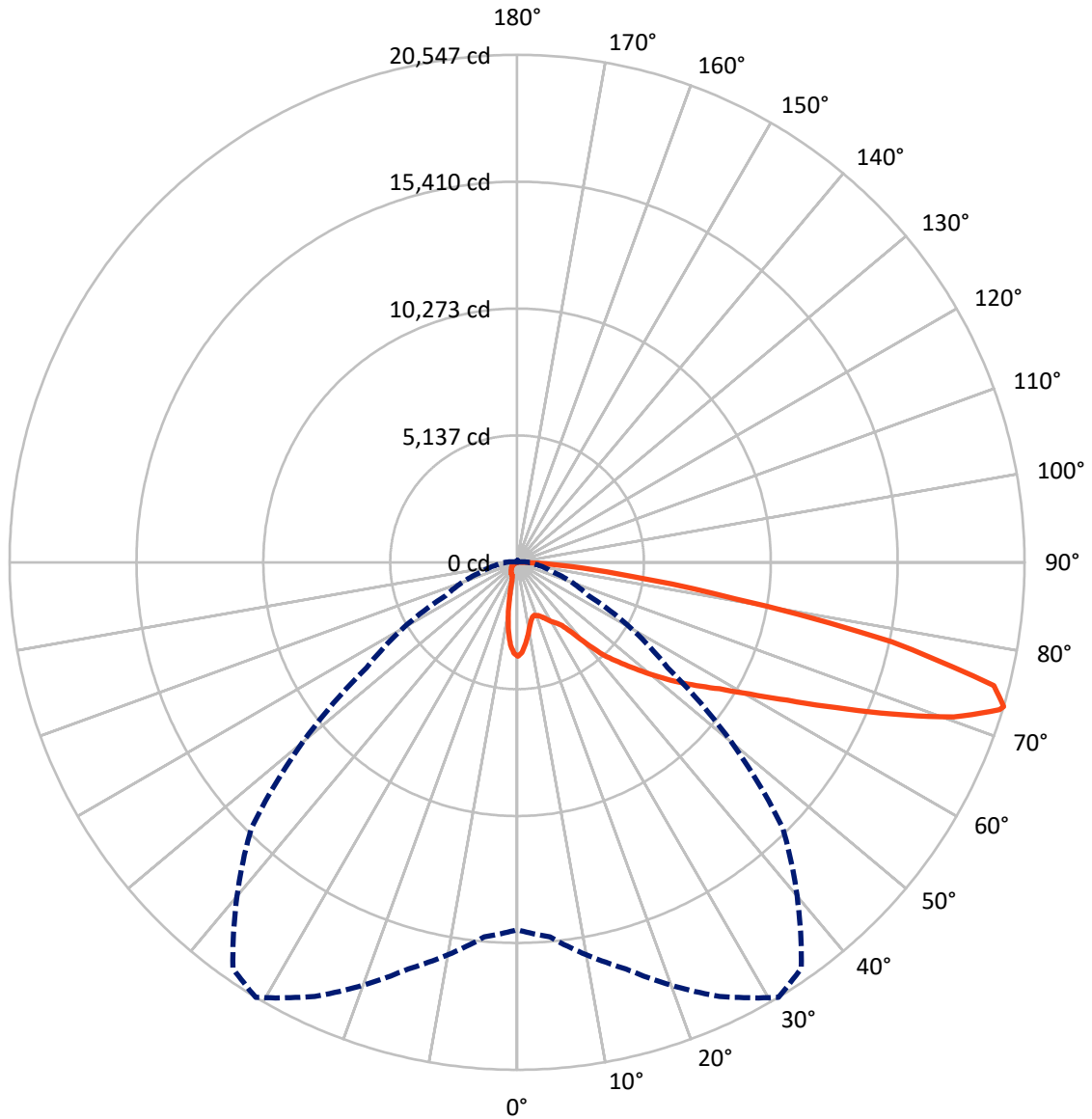
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P322520  
CATALOG NUMBER: GAN-SA6B-730-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P322520  
 CATALOG NUMBER: GAN-SA6B-730-U-T4FT-HSS

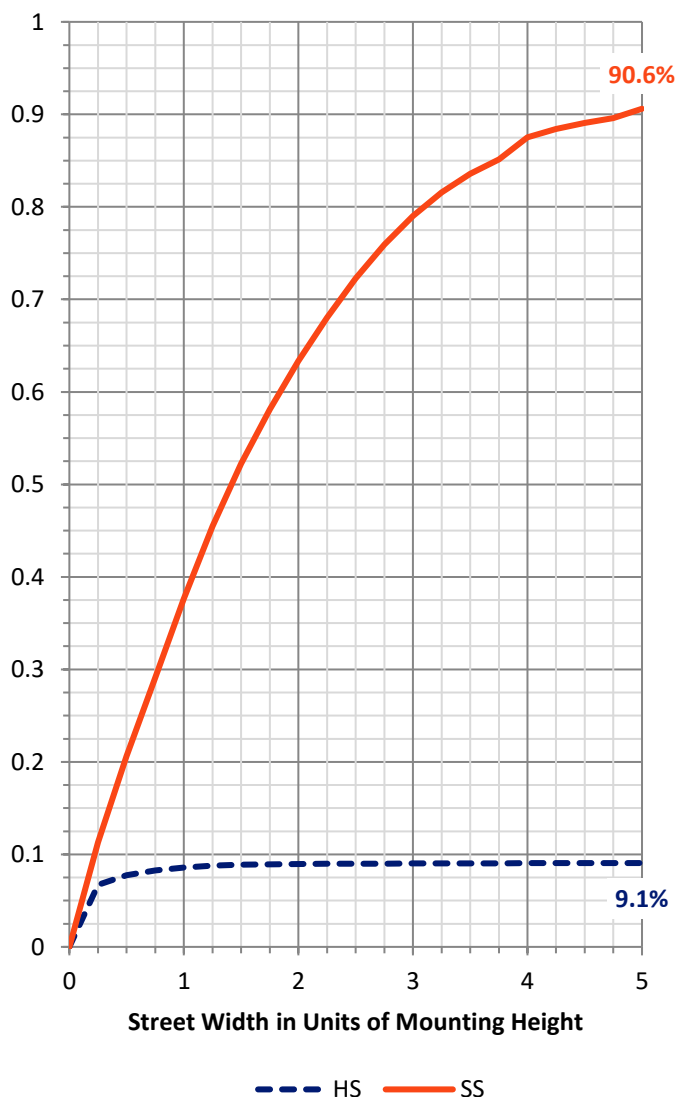
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2014.9	0.0	2014.9
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	20089.1	0.0	20089.1
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	22104.0	0.0	22104.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.3	1.4
10°-20°	684.7	3.1
20°-30°	1025.8	4.6
30°-40°	1632.1	7.4
40°-50°	2914.5	13.2
50°-60°	4522.4	20.5
60°-70°	6011.9	27.2
70°-80°	4522.2	20.5
80°-90°	475.2	2.1
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°	22104.0	100.0
0°-180°	22104.0	100.0

**Coefficient of Utilization**



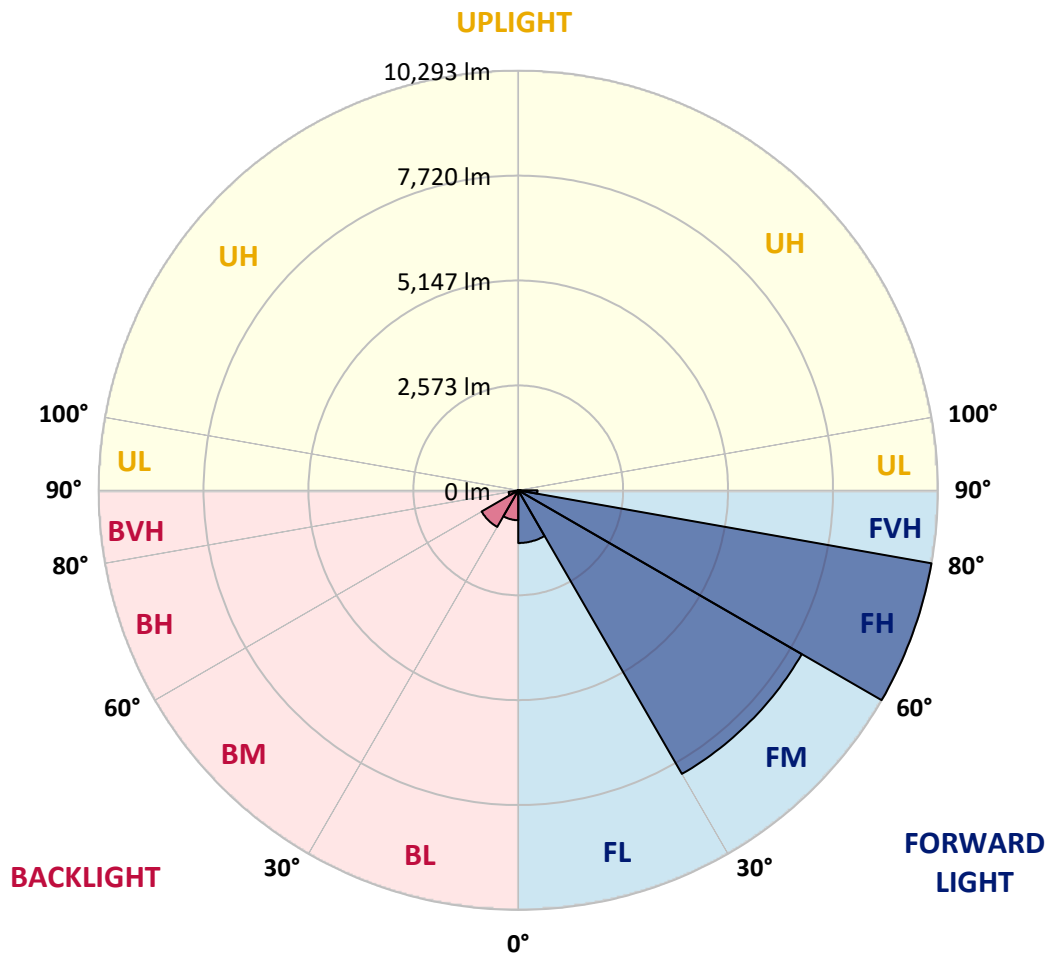
REPORT NUMBER: P322520  
 CATALOG NUMBER: GAN-SA6B-730-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1293.1	5.9			
FM (30°-60°)	8031.8	36.3			
FH (60°-80°)	10293.0	46.6			G4/12000
FVH (80°-90°)	471.2	2.1			G3/500
BL (0°-30°)	732.7	3.3	B2/1000		
BM (30°-60°)	1037.1	4.7	B2/2500		
BH (60°-80°)	241.1	1.1	B1/500		G1/500
BVH (80°-90°)	4.0	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 IV Short





REPORT NUMBER: P322520

CATALOG NUMBER: GAN-SA6B-730-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0
2.5°	3604.0	3619.2	3635.4	3638.6	3665.7	3666.8	3705.7	3734.9	3764.1	3792.2	3802.0
5°	3234.1	3259.0	3288.2	3317.4	3374.7	3397.4	3492.6	3590.0	3683.0	3771.7	3814.9
7.5°	2839.3	2867.4	2908.5	2981.0	3044.8	3089.2	3239.5	3412.6	3585.6	3749.0	3843.1
10°	2479.1	2505.1	2548.3	2625.1	2723.6	2784.1	2986.4	3226.5	3480.7	3728.4	3885.2
12.5°	2249.8	2263.9	2287.7	2369.9	2458.6	2526.7	2764.7	3062.1	3394.2	3727.3	3953.4
15°	2207.6	2211.9	2192.5	2229.3	2298.5	2364.5	2605.7	2929.1	3328.2	3744.6	4042.1
17.5°	2274.7	2272.5	2207.6	2203.3	2258.5	2312.5	2527.8	2837.1	3281.7	3784.7	4156.7
20°	2376.4	2368.8	2256.3	2235.7	2294.2	2345.0	2522.4	2802.5	3264.4	3851.7	4296.3
22.5°	2511.6	2498.6	2322.3	2300.6	2363.4	2416.4	2589.4	2836.1	3279.5	3941.5	4458.5
25°	2679.2	2659.7	2435.8	2412.1	2475.9	2528.9	2709.5	2932.3	3325.0	4050.7	4664.0
27.5°	2868.5	2840.4	2617.6	2555.9	2628.4	2683.5	2869.6	3079.4	3396.3	4166.5	4916.0
30°	3047.0	3010.2	2809.0	2707.3	2796.0	2857.7	3042.6	3254.6	3511.0	4344.9	5261.1
32.5°	3226.5	3185.4	2979.9	2858.8	2938.8	3005.9	3221.1	3495.9	3726.2	4617.5	5719.7
35°	3639.7	3596.4	3344.4	3144.3	3143.2	3181.1	3471.0	3825.8	4010.7	4997.2	6267.0
37.5°	4335.2	4310.3	4070.2	3690.5	3588.9	3546.7	3811.7	4219.5	4419.6	5519.6	6884.6
40°	5096.7	5075.0	4805.7	4461.8	4307.1	4203.2	4300.6	4767.9	4997.2	6157.8	7515.2
42.5°	5956.6	5853.8	5373.6	5270.8	5132.4	5053.4	4965.8	5443.9	5706.7	6852.2	8140.4
45°	6737.5	6564.5	5941.4	5785.7	5754.3	5773.8	5822.5	6352.5	6505.0	7677.5	8763.4
47.5°	7202.6	7066.3	6588.3	6439.0	6430.3	6559.1	6926.8	7378.9	7300.0	8396.8	9311.8
50°	7645.0	7521.7	7124.7	7161.5	7201.5	7376.8	8180.4	8434.6	8025.8	9049.0	9814.8
52.5°	8003.0	7814.8	7607.2	7813.8	8010.6	8292.9	9474.1	9382.1	8540.6	9568.2	10245.3
55°	8209.6	8124.2	8224.8	8432.4	8802.4	9261.0	10695.2	10170.6	8917.0	10041.9	10531.9
57.5°	8966.8	8799.1	8999.2	9178.8	9661.2	10302.6	11741.2	10758.0	9188.5	10335.0	10597.9
60°	9882.9	9747.7	9865.6	10164.2	10815.3	11569.2	12719.0	11237.1	9330.2	10523.3	10427.0
62.5°	11341.0	11162.5	11089.0	11423.2	12286.3	13109.5	13461.0	11569.2	9298.8	10440.0	9840.7
65°	13294.4	13109.5	12780.6	13083.5	14181.4	14762.2	14290.6	11639.5	9082.5	9766.1	8358.9
67.5°	15295.4	15161.3	14880.1	15390.6	16381.4	16568.5	15167.8	11468.6	8385.9	7918.7	5905.7
70°	16617.2	16559.9	16742.7	17871.9	18755.6	18701.5	15972.5	10550.3	6536.3	4869.5	2921.5
72.5°	15664.3	15939.0	17288.9	19336.4	20415.9	19974.6	15559.4	8101.5	3736.0	1873.4	844.8
73°	14874.7	15226.2	17043.4	19391.6	20546.8	20063.3	15212.2	7436.3	3184.3	1478.6	640.3
75°	10348.0	10779.6	14110.0	18060.1	19934.6	19115.8	12680.0	4551.5	1475.4	655.5	258.5
77.5°	5024.2	5343.3	7769.4	13048.9	15503.1	14935.3	7893.8	1696.0	666.3	409.9	119.0
80°	1875.6	2085.4	3372.5	6641.3	8959.2	9193.9	3472.1	641.4	443.5	329.9	60.6
82.5°	491.1	547.3	1243.9	2961.5	4591.6	4805.7	1094.6	323.4	324.5	271.5	36.8
85°	156.8	179.6	388.3	1329.3	2163.3	1899.4	285.6	156.8	235.8	202.3	20.6
87.5°	19.5	24.9	123.3	312.6	477.0	265.0	44.3	46.5	100.6	112.5	11.9
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: P322520

CATALOG NUMBER: GAN-SA6B-730-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0	3803.0
2.5°	3811.7	3806.3	3807.4	3779.2	3760.9	3724.1	3686.2	3668.9	3650.5	3643.0	3650.5
5°	3831.2	3821.4	3793.3	3706.8	3614.8	3495.9	3384.4	3300.1	3194.1	3164.9	3195.2
7.5°	3861.4	3842.0	3759.8	3583.5	3379.0	3151.9	2896.6	2710.6	2558.1	2459.6	2495.3
10°	3905.8	3869.0	3703.5	3403.9	3038.3	2636.0	2273.6	1991.3	1791.2	1709.0	1705.7
12.5°	3980.4	3911.2	3634.3	3170.3	2621.9	2085.4	1610.6	1304.5	1142.2	1037.3	1035.1
15°	4062.6	3961.0	3546.7	2890.1	2137.3	1493.7	1037.3	804.7	699.8	666.3	662.0
17.5°	4163.2	4018.3	3433.1	2545.1	1630.0	989.7	677.1	610.0	605.7	602.5	602.5
20°	4289.8	4086.4	3287.1	2150.3	1156.3	660.9	575.4	579.8	581.9	577.6	578.7
22.5°	4436.9	4155.7	3113.0	1726.3	782.0	552.7	550.6	556.0	558.1	556.0	557.0
25°	4607.8	4235.7	2901.0	1281.7	564.6	524.6	530.0	537.6	543.0	543.0	543.0
27.5°	4819.8	4333.0	2645.7	894.5	487.8	495.4	510.5	524.6	532.2	534.3	534.3
30°	5095.6	4454.2	2339.6	613.3	443.5	456.5	484.6	511.6	525.7	527.8	528.9
32.5°	5443.9	4590.5	1984.8	453.2	405.6	415.3	445.6	491.1	518.1	522.4	522.4
35°	5843.0	4748.4	1603.0	394.8	378.6	381.8	405.6	457.5	505.1	517.0	518.1
37.5°	6280.0	4904.1	1219.0	368.8	355.9	355.9	373.2	417.5	473.8	510.5	514.9
40°	6687.8	4998.2	854.5	348.3	335.3	335.3	350.5	382.9	435.9	491.1	503.0
42.5°	7064.2	5030.7	594.9	328.8	315.8	319.1	332.1	358.0	398.0	453.2	464.0
45°	7451.4	5025.3	433.7	306.1	296.4	306.1	315.8	335.3	364.5	395.9	398.0
47.5°	7743.4	4979.9	344.0	284.5	278.0	291.0	299.6	312.6	328.8	326.7	326.7
50°	8017.1	4869.5	276.9	255.3	259.6	274.7	279.1	283.4	284.5	263.9	261.8
52.5°	8224.8	4697.6	221.7	223.9	241.2	256.3	252.0	245.5	234.7	209.8	205.5
55°	8294.0	4366.6	174.1	185.0	214.2	233.6	217.4	203.3	182.8	162.2	157.9
57.5°	8168.5	3939.3	141.7	143.9	180.6	196.9	178.5	162.2	139.5	122.2	119.0
60°	7902.4	3464.5	116.8	108.2	139.5	153.6	141.7	125.5	104.9	91.9	90.9
62.5°	7374.6	2958.3	96.3	84.4	106.0	117.9	110.3	98.4	81.1	72.5	71.4
65°	6264.8	2366.6	77.9	68.1	82.2	91.9	85.4	76.8	63.8	57.3	56.2
67.5°	4373.1	1599.7	63.8	56.2	64.9	72.5	67.1	62.7	50.8	49.8	50.8
70°	2109.2	771.2	53.0	45.4	50.8	56.2	54.1	50.8	48.7	56.2	64.9
72.5°	604.6	258.5	42.2	37.9	41.1	44.3	46.5	45.4	53.0	68.1	79.0
73°	465.1	208.8	40.0	35.7	38.9	43.3	45.4	44.3	54.1	69.2	79.0
75°	199.0	100.6	30.3	29.2	32.4	37.9	40.0	40.0	54.1	70.3	75.7
77.5°	89.8	54.1	19.5	22.7	28.1	30.3	33.5	33.5	43.3	54.1	54.1
80°	50.8	29.2	15.1	17.3	20.6	20.6	20.6	18.4	19.5	21.6	23.8
82.5°	32.4	19.5	11.9	14.1	13.0	10.8	8.7	8.7	7.6	8.7	10.8
85°	18.4	10.8	10.8	8.7	5.4	4.3	5.4	4.3	1.1	0.0	1.1
87.5°	10.8	6.5	3.2	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)