

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: P319970

Luminaire Tested: **GAN-SA6C-730-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319970  
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-SA6C-730-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA 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: 36608 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

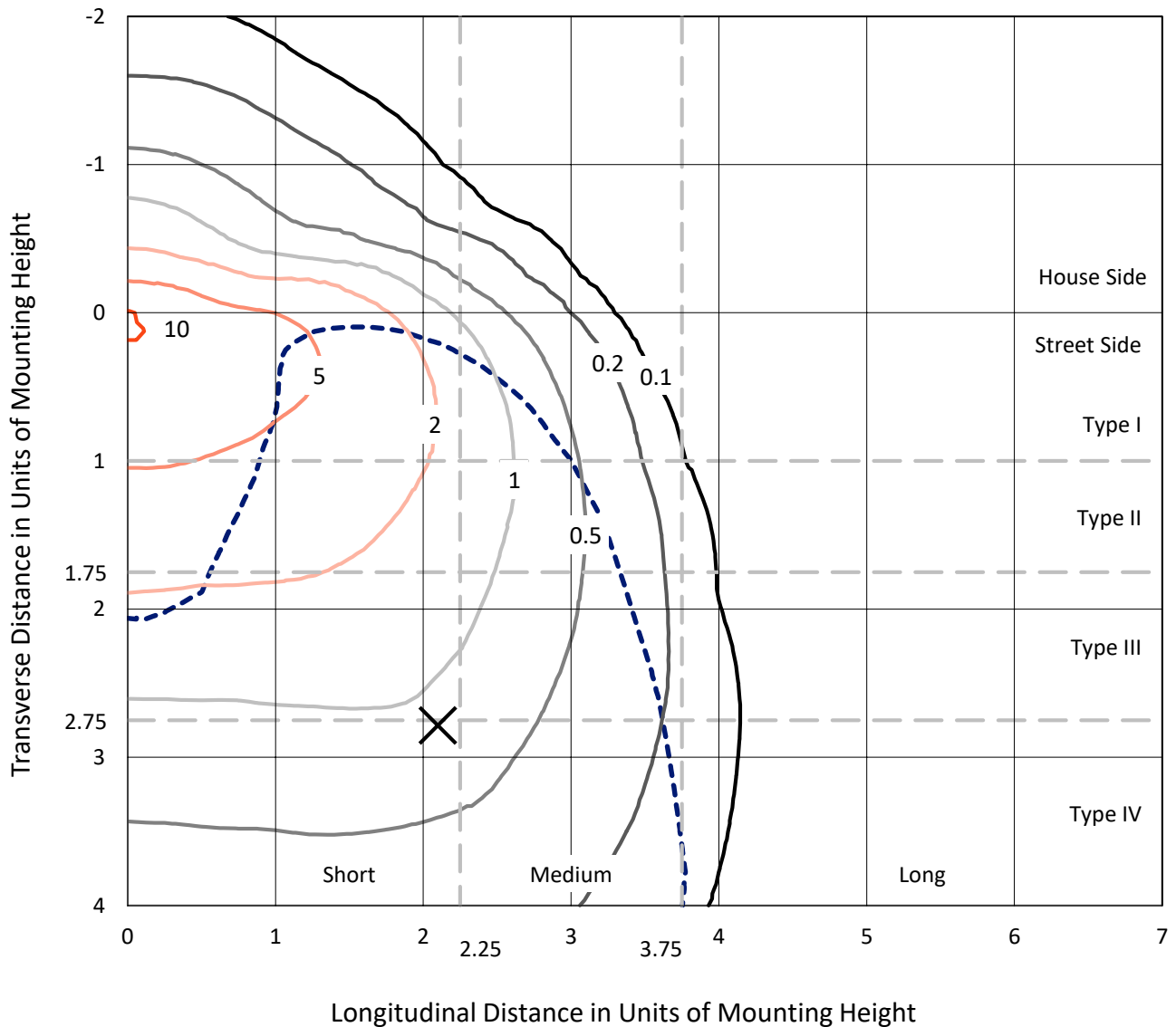
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P319970  
 CATALOG NUMBER: GAN-SA6C-730-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

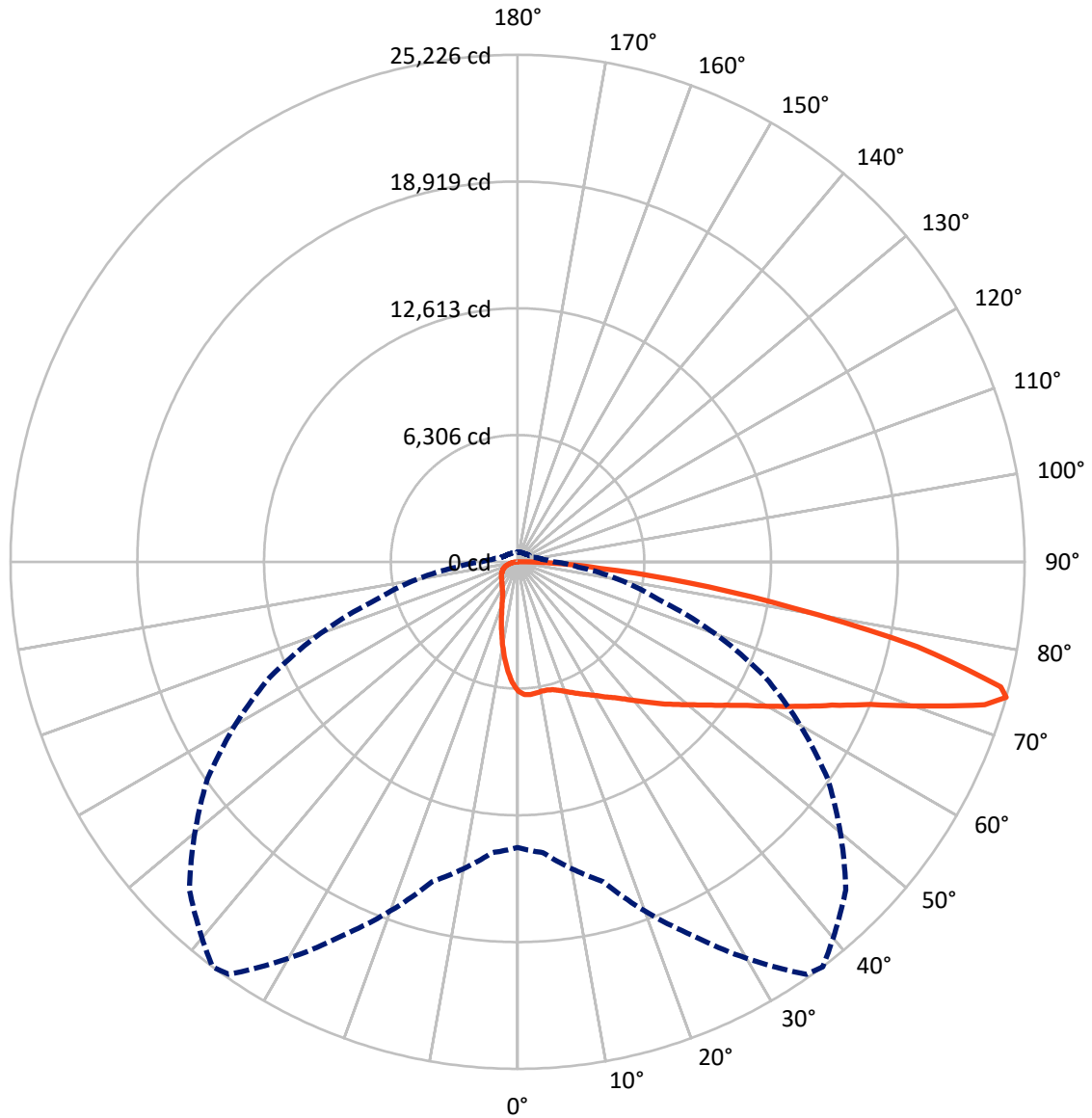
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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 CATALOG NUMBER: GAN-SA6C-730-U-SL4

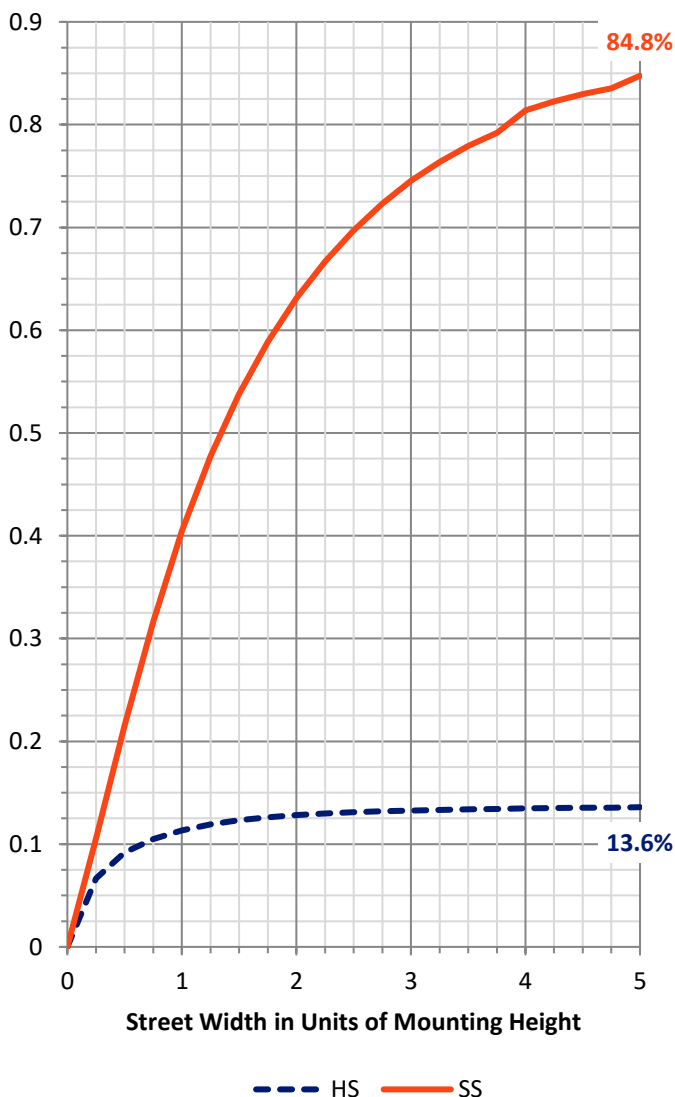
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5037.0	0.0	5037.0
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	31571.0	0.0	31571.0
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	36608.0	0.0	36608.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	568.0	1.6
10°-20°	1456.0	4.0
20°-30°	2243.4	6.1
30°-40°	3262.2	8.9
40°-50°	4801.4	13.1
50°-60°	6742.6	18.4
60°-70°	8534.1	23.3
70°-80°	7514.6	20.5
80°-90°	1485.8	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°	36608.0	100.0
0°-180°	36608.0	100.0

**Coefficient of Utilization**



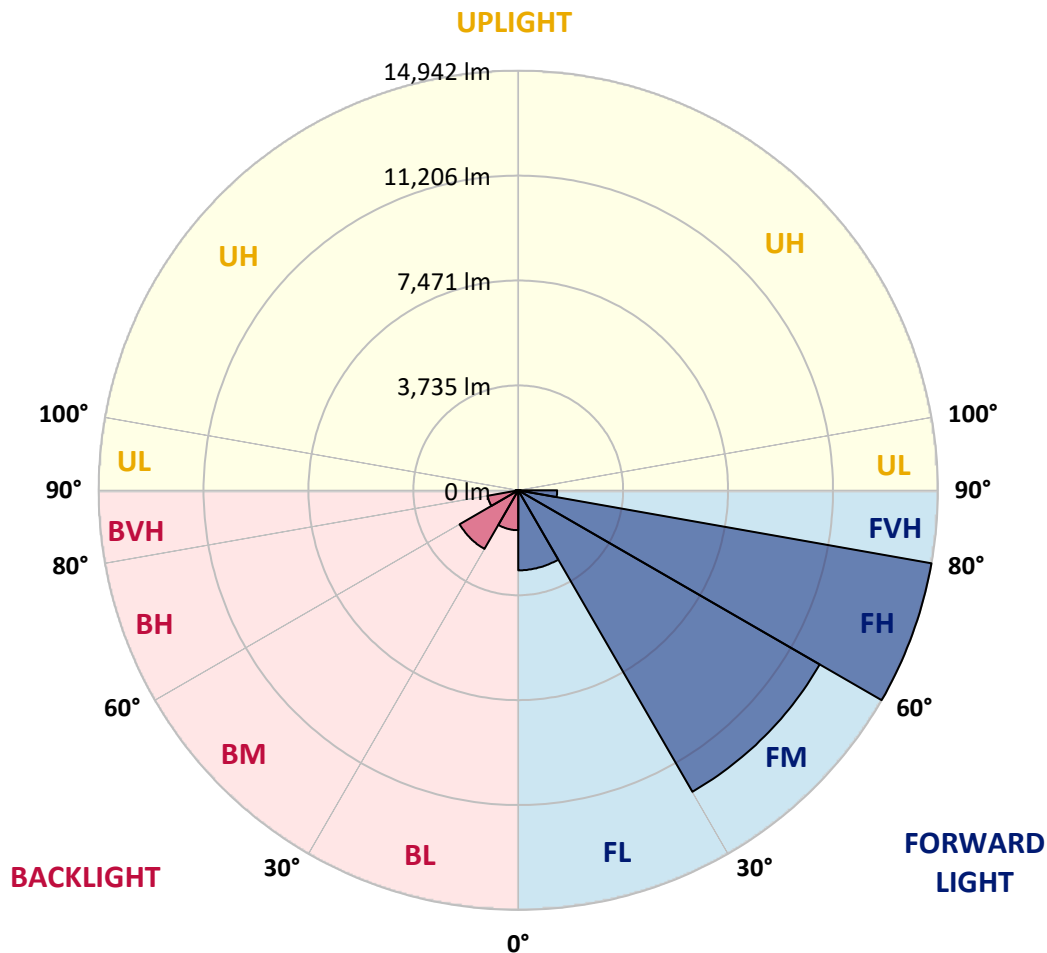
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 CATALOG NUMBER: GAN-SA6C-730-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2848.5	7.8			
FM (30°-60°)	12395.8	33.9			
FH (60°-80°)	14941.5	40.8			G5
FVH (80°-90°)	1385.2	3.8			G5
BL (0°-30°)	1418.8	3.9	B3/2500		
BM (30°-60°)	2410.4	6.6	B2/2500		
BH (60°-80°)	1107.2	3.0	B3/2500		G3/2500
BVH (80°-90°)	100.6	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2
2.5°	6670.7	6672.0	6670.7	6660.4	6635.9	6615.2	6598.5	6574.0	6519.8	6478.6	6416.7
5°	6733.9	6726.1	6721.0	6701.6	6663.0	6639.7	6607.5	6561.1	6472.1	6389.6	6289.0
7.5°	6704.2	6695.2	6683.6	6660.4	6616.5	6597.2	6552.1	6491.5	6384.4	6276.1	6131.7
10°	6612.7	6610.1	6604.9	6599.8	6562.4	6546.9	6505.6	6441.2	6335.4	6203.9	6035.0
12.5°	6510.8	6517.2	6537.9	6565.0	6548.2	6540.5	6514.7	6470.8	6362.5	6220.7	6016.9
15°	6446.3	6464.4	6519.8	6590.7	6604.9	6602.4	6595.9	6567.5	6452.8	6295.4	6058.2
17.5°	6424.4	6454.1	6559.8	6677.1	6718.4	6727.4	6730.0	6681.0	6553.3	6387.0	6100.7
20°	6464.4	6501.8	6656.5	6817.7	6883.5	6888.6	6877.0	6791.9	6648.8	6465.7	6123.9
22.5°	6585.6	6619.1	6812.5	6994.4	7069.2	7076.9	7042.1	6913.1	6749.4	6558.5	6156.2
25°	6819.0	6860.3	7053.7	7235.5	7274.2	7275.5	7225.2	7065.3	6880.9	6688.7	6225.8
27.5°	7123.3	7164.6	7338.7	7516.6	7496.0	7484.4	7416.0	7256.1	7052.4	6868.0	6349.6
30°	7462.5	7507.6	7672.7	7799.0	7750.0	7726.8	7671.4	7465.0	7291.0	7113.0	6539.2
32.5°	7813.2	7854.5	7998.9	8085.3	8023.4	8013.1	7929.3	7741.0	7601.7	7487.0	6846.1
35°	8173.0	8202.6	8344.5	8393.5	8311.0	8308.4	8285.2	8112.4	8024.7	8078.9	7292.2
37.5°	8540.5	8548.2	8669.5	8672.0	8647.5	8657.8	8682.3	8574.0	8598.5	8767.5	7872.5
40°	8868.0	8888.7	8976.4	9003.4	9046.0	9082.1	9204.6	9133.7	9323.2	9622.4	8594.7
42.5°	9110.5	9150.4	9291.0	9360.6	9498.6	9555.4	9728.2	9793.9	10175.6	10624.4	9453.5
45°	9315.5	9377.4	9603.1	9746.2	9979.6	10078.9	10326.5	10547.0	11138.9	11711.4	10357.4
47.5°	9537.3	9616.0	9898.4	10171.7	10489.0	10601.2	11051.2	11381.3	12166.6	12805.0	11209.8
50°	9863.6	9924.2	10200.1	10629.5	11025.4	11169.8	11792.7	12265.9	13211.2	13846.9	11948.7
52.5°	10318.8	10295.5	10528.9	11131.2	11662.4	11840.4	12584.4	13207.3	14269.8	14789.5	12572.8
55°	10776.5	10737.8	10901.6	11656.0	12405.2	12592.2	13456.2	14152.5	15277.0	15638.0	13051.2
57.5°	11285.9	11212.4	11350.4	12247.9	13251.1	13474.2	14432.3	15157.0	16267.3	16324.1	13355.6
60°	11810.7	11711.4	11866.2	12981.6	14325.3	14588.4	15574.8	16137.1	17200.9	16873.4	13453.6
62.5°	12269.8	12200.2	12438.7	13800.5	15536.2	15825.0	16696.7	17179.0	18121.6	17101.6	13100.3
65°	12670.8	12682.4	13095.1	14721.2	16886.3	17194.5	17983.7	18463.4	18846.4	16966.2	12273.7
67.5°	13149.3	13215.0	13919.1	15933.3	18585.9	18923.7	19856.1	19863.8	19251.3	16171.9	10646.3
70°	13846.9	13982.3	15052.6	17614.9	21002.4	21466.7	22186.2	20686.5	18682.6	14018.4	8376.7
72.5°	14465.9	14718.6	16258.3	19538.8	23947.7	24299.7	23549.2	20212.0	16306.0	10505.7	5218.7
74°	14214.4	14527.8	16477.5	20486.6	25056.7	25225.6	23088.9	18827.0	13595.4	7275.5	3033.0
75°	13672.8	14013.2	16157.7	20477.6	24916.1	24822.0	21977.3	17244.8	11196.9	4962.1	2018.1
77.5°	11034.4	11394.2	13614.8	17550.4	20429.9	20340.9	16882.4	11568.3	4904.1	1627.4	1025.2
80°	6415.4	6690.0	8451.5	11145.3	13776.0	13937.2	11102.8	5724.2	1929.1	914.3	695.1
82.5°	2849.8	3039.4	4082.6	5689.4	8313.5	8521.2	5814.5	2999.4	1191.5	555.8	417.8
85°	1869.8	2010.4	2478.5	2709.3	3958.8	4100.7	2846.0	2335.3	786.6	305.6	306.9
87.5°	1345.0	1480.4	1841.4	1608.0	1816.9	1720.2	1548.7	2161.2	315.9	174.1	103.2
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: P319970

CATALOG NUMBER: GAN-SA6C-730-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2	6450.2
2.5°	6389.6	6368.9	6322.5	6234.8	6185.8	6144.6	6076.2	6036.3	6018.2	6016.9	6024.6
5°	6231.0	6183.3	6063.3	5916.3	5799.0	5691.9	5559.1	5479.2	5422.4	5388.9	5397.9
7.5°	6046.6	5971.8	5783.5	5548.8	5360.5	5152.9	4947.9	4825.4	4730.0	4659.0	4671.9
10°	5920.2	5817.0	5542.4	5204.5	4891.2	4589.4	4307.0	4138.1	4004.0	3900.8	3908.5
12.5°	5877.6	5738.4	5358.0	4906.6	4466.9	4054.3	3685.5	3426.3	3288.3	3170.9	3180.0
15°	5884.1	5697.1	5203.2	4638.4	4085.2	3565.5	3118.1	2815.0	2628.0	2546.8	2548.1
17.5°	5889.2	5649.4	5040.7	4350.8	3707.4	3109.0	2622.9	2316.0	2139.3	2064.5	2065.8
20°	5872.5	5572.0	4839.6	4020.7	3312.8	2689.9	2219.3	1958.8	1824.7	1766.6	1766.6
22.5°	5850.6	5480.5	4612.6	3689.3	2923.3	2326.3	1930.4	1731.8	1654.5	1615.8	1614.5
25°	5860.9	5412.1	4380.5	3348.9	2564.9	2036.2	1738.3	1606.7	1555.2	1530.7	1529.4
27.5°	5916.3	5379.9	4166.4	3009.7	2251.5	1818.2	1609.3	1516.5	1482.9	1467.5	1467.5
30°	6016.9	5379.9	3943.4	2720.9	1991.0	1657.0	1510.0	1446.8	1423.6	1413.3	1413.3
32.5°	6192.3	5409.5	3728.0	2434.6	1783.4	1530.7	1427.5	1384.9	1366.9	1361.7	1361.7
35°	6494.0	5510.1	3517.8	2163.8	1615.8	1427.5	1348.8	1324.3	1311.4	1310.2	1314.0
37.5°	6918.3	5715.2	3320.5	1963.9	1497.1	1343.7	1283.1	1263.7	1256.0	1262.4	1267.6
40°	7452.1	5993.7	3141.3	1783.4	1406.9	1276.6	1222.5	1209.6	1205.7	1214.7	1222.5
42.5°	8096.9	6370.2	2994.3	1653.2	1337.2	1219.9	1170.9	1155.4	1151.5	1161.9	1172.2
45°	8794.5	6775.1	2891.1	1556.5	1283.1	1177.3	1125.8	1109.0	1101.3	1106.4	1118.0
47.5°	9429.0	7158.1	2849.8	1488.1	1231.5	1141.2	1085.8	1065.1	1052.2	1049.7	1058.7
50°	9964.1	7443.1	2869.2	1446.8	1190.2	1101.3	1047.1	1023.9	1004.5	992.9	999.4
52.5°	10353.6	7622.4	2887.2	1428.8	1158.0	1057.4	1004.5	982.6	956.8	937.5	937.5
55°	10636.0	7663.6	2847.3	1414.6	1133.5	1009.7	956.8	936.2	910.4	888.5	885.9
57.5°	10746.9	7547.6	2699.0	1394.0	1116.7	964.6	906.5	891.1	869.1	843.3	842.1
60°	10597.3	7189.1	2412.7	1350.1	1094.8	927.2	856.2	845.9	835.6	811.1	809.8
62.5°	9996.4	6402.5	2042.6	1261.2	1051.0	887.2	809.8	815.0	816.3	799.5	796.9
65°	8906.7	5321.9	1681.5	1145.1	985.2	839.5	762.1	786.6	800.8	798.2	794.3
67.5°	7323.2	4141.9	1424.9	1022.6	898.8	773.7	710.5	738.9	750.5	759.5	756.9
70°	5435.3	2920.8	1178.6	893.6	794.3	696.3	643.5	657.7	649.9	660.2	664.1
72.5°	3030.4	1752.5	960.7	764.7	686.0	606.1	568.7	566.1	549.3	549.3	549.3
74°	1818.2	1285.7	844.6	684.7	620.3	546.8	514.5	502.9	487.4	488.7	487.4
75°	1462.3	1105.1	775.0	631.9	573.8	511.9	479.7	464.2	452.6	452.6	451.3
77.5°	923.3	839.5	624.1	502.9	459.1	421.7	399.8	379.1	379.1	377.8	376.5
80°	697.6	668.0	486.1	380.4	352.0	323.7	309.5	300.5	300.5	304.3	303.0
82.5°	478.4	502.9	341.7	265.6	251.5	230.8	228.2	229.5	225.7	220.5	219.2
85°	349.5	377.8	230.8	167.6	153.5	140.6	150.9	156.0	149.6	138.0	132.8
87.5°	134.1	247.6	123.8	69.6	64.5	55.4	64.5	67.1	72.2	56.7	58.0
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)