

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: P321634

Luminaire Tested: **GAN-SA0A-750-U-T3R-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0A-750-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35475 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

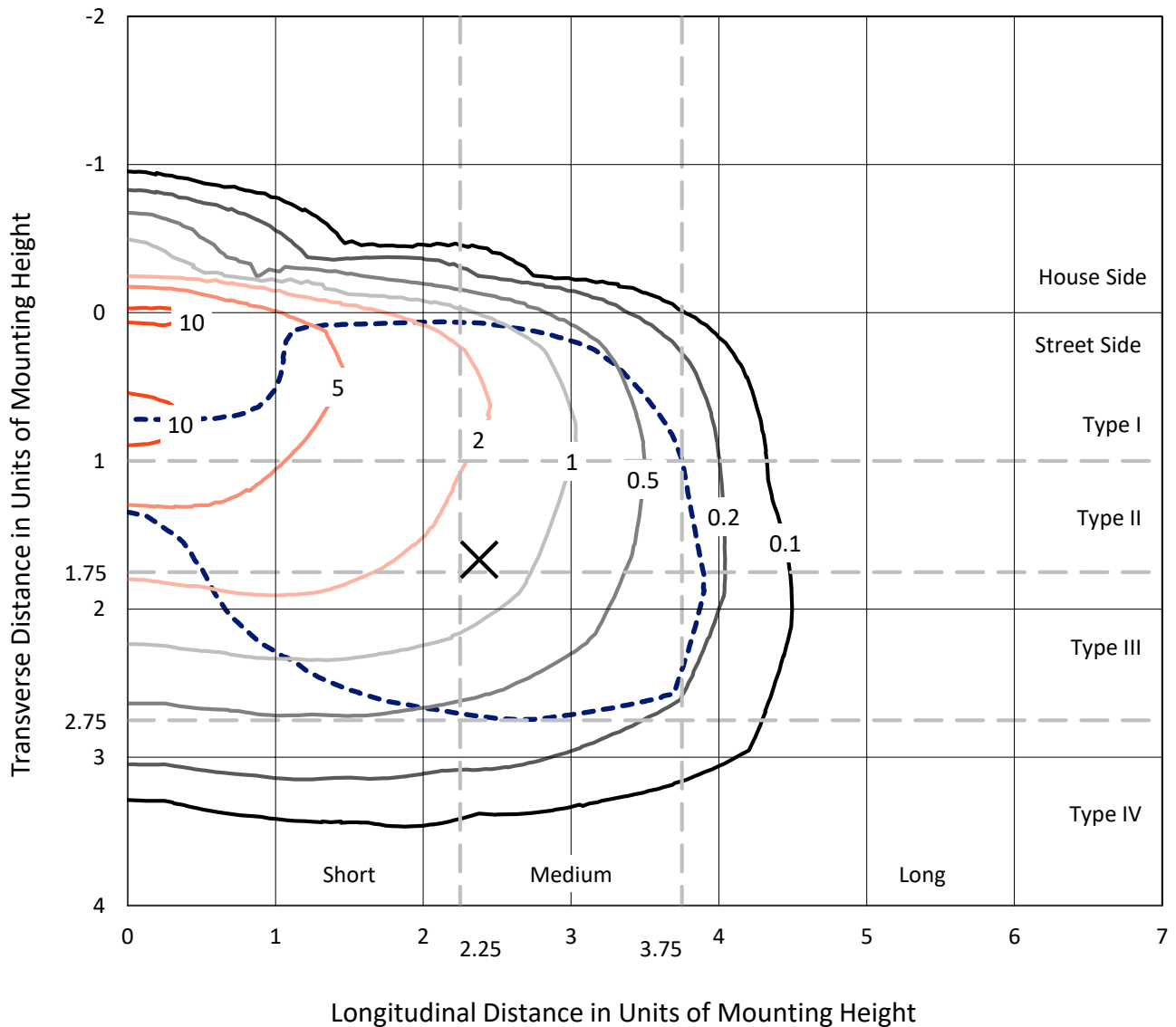
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

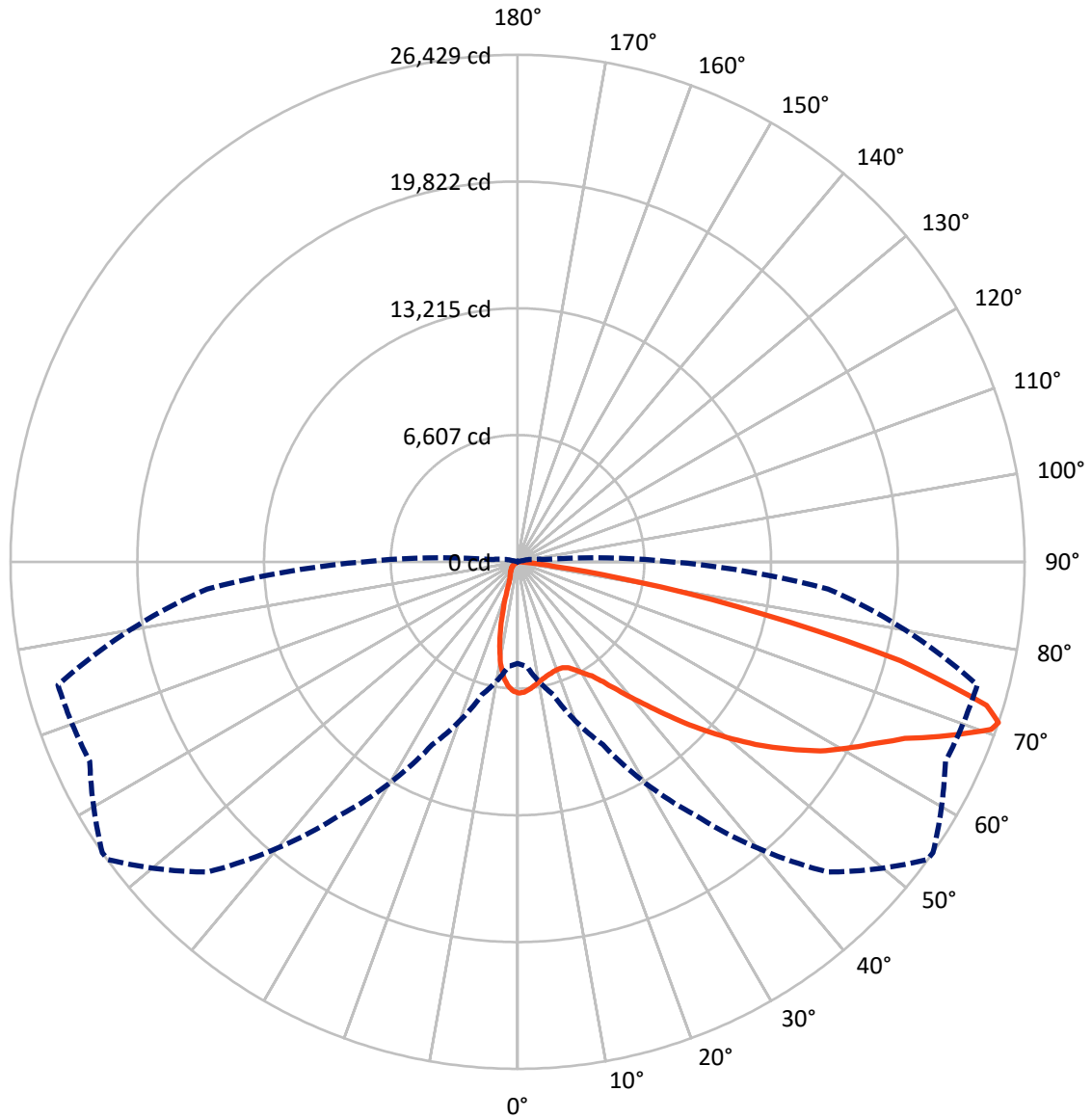
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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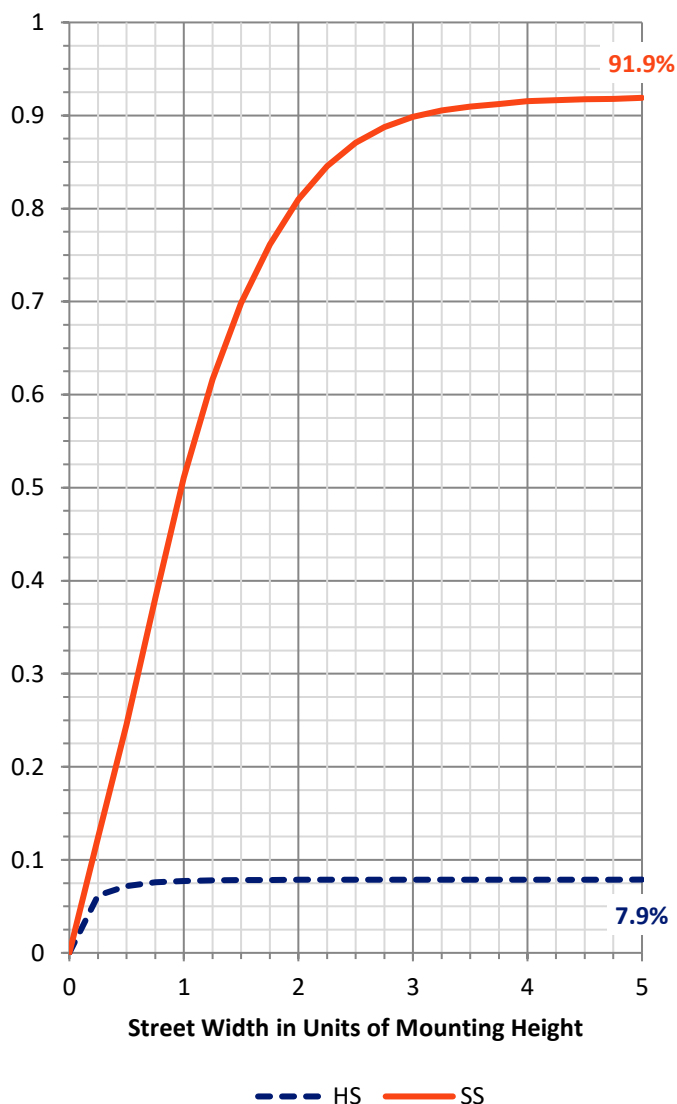
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2808.7	0.0	2808.7
	% Fixture	7.9	0.0	7.9
<b>Street Side</b>	Lumens	32666.4	0.0	32666.4
	% Fixture	92.1	0.0	92.1
<b>Total</b>	Lumens	35475.0	0.0	35475.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.3	1.6
10°-20°	1316.9	3.7
20°-30°	2116.3	6.0
30°-40°	3595.7	10.1
40°-50°	5581.0	15.7
50°-60°	7503.5	21.2
60°-70°	9179.3	25.9
70°-80°	5366.9	15.1
80°-90°	232.0	0.7
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°	35475.0	100.0
0°-180°	35475.0	100.0

**Coefficient of Utilization**

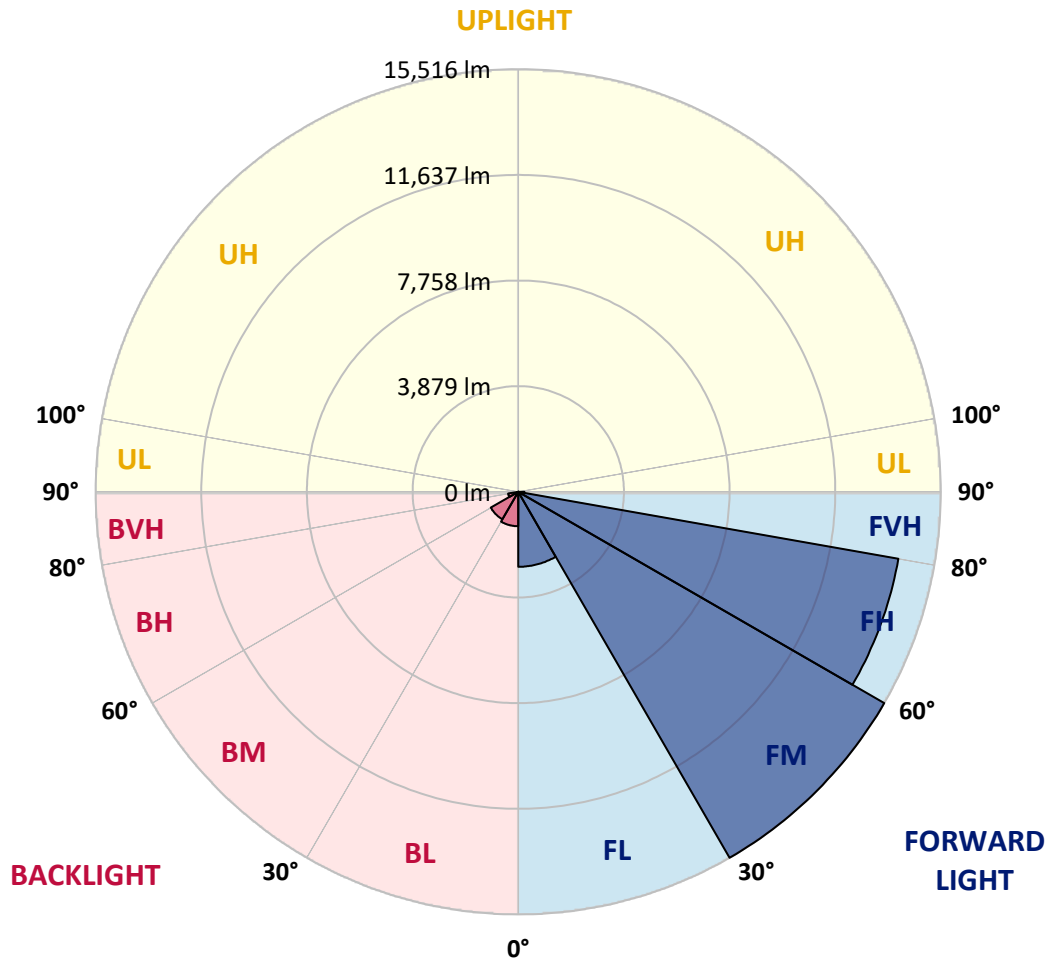


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2752.4	7.8			
FM (30°-60°)	15515.7	43.7			
FH (60°-80°)	14169.9	39.9			G5
FVH (80°-90°)	228.3	0.6			G3/500
BL (0°-30°)	1264.2	3.6	B3/2500		
BM (30°-60°)	1164.5	3.3	B2/2500		
BH (60°-80°)	376.3	1.1	B1/500		G1/500
BVH (80°-90°)	3.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5
2.5°	6640.8	6648.7	6677.4	6690.2	6720.4	6771.4	6796.9	6798.5	6839.9	6855.8	6868.6
5°	6170.9	6218.7	6266.4	6317.4	6409.8	6532.5	6653.5	6664.7	6798.5	6897.2	6949.8
7.5°	5766.3	5809.3	5866.6	5947.9	6078.5	6271.2	6473.5	6497.4	6750.7	6975.3	7093.2
10°	5350.5	5385.6	5468.4	5587.9	5767.9	6025.9	6298.3	6338.1	6707.7	7080.4	7287.5
12.5°	4906.1	4926.8	5027.2	5199.2	5463.6	5791.8	6150.2	6202.7	6680.6	7201.5	7516.9
15°	4568.4	4578.0	4673.6	4852.0	5154.6	5581.5	6035.5	6099.2	6687.0	7346.4	7767.0
17.5°	4482.4	4487.2	4538.2	4660.8	4928.4	5393.5	5944.7	6022.7	6706.1	7488.2	8018.6
20°	4831.2	4797.8	4745.2	4726.1	4840.8	5280.4	5890.5	5978.1	6731.6	7614.0	8244.8
22.5°	5788.6	5689.8	5471.6	5180.1	5003.3	5288.4	5904.9	5992.5	6812.8	7768.5	8506.1
25°	7209.4	7072.5	6701.3	6127.9	5576.7	5517.8	6024.3	6113.5	6970.5	7953.3	8756.1
27.5°	8826.2	8690.8	8236.9	7418.1	6478.3	5971.8	6298.3	6381.1	7204.7	8117.4	8947.3
30°	10374.5	10336.3	9801.1	8870.8	7612.4	6707.7	6651.9	6722.0	7378.3	8216.1	9098.6
32.5°	11687.1	11626.5	11196.5	10291.7	8910.7	7591.7	7067.7	7088.4	7508.9	8343.6	9296.1
35°	12904.0	12829.2	12451.7	11596.3	10242.3	8671.7	7708.0	7677.8	7794.0	8600.0	9582.9
37.5°	13966.5	14035.0	13616.1	12802.1	11437.0	9794.7	8571.4	8480.6	8240.0	9017.4	9998.6
40°	14855.3	14855.3	14637.1	13958.5	12727.2	10955.9	9547.8	9428.3	8910.7	9660.9	10525.8
42.5°	15175.5	15244.0	15325.2	14941.3	13882.1	12163.3	10635.8	10511.5	9855.2	10573.6	11191.7
45°	15194.6	15302.9	15718.7	15717.1	14925.4	13362.8	11862.3	11803.3	11065.8	11746.0	12016.8
47.5°	14925.4	15060.8	15745.8	16134.4	15752.1	14479.4	13203.5	13130.2	12488.3	13182.8	12880.1
50°	14509.7	14659.4	15455.9	16298.5	16314.4	15451.1	14616.4	14506.5	14054.1	14825.1	13772.2
52.5°	13765.8	14055.7	15196.2	16336.7	16684.0	16290.5	15960.8	15913.0	15806.3	16406.8	14482.6
55°	12174.5	12496.3	14544.7	16349.5	17026.4	17034.4	17220.8	17233.5	17448.6	17885.0	15011.4
57.5°	11422.6	11604.2	13407.4	16410.0	17534.6	17878.6	18504.7	18603.4	18936.3	19288.4	15615.1
60°	10949.6	11164.6	12846.7	16327.2	18332.6	18985.7	19694.5	19728.0	20084.8	20736.3	16432.3
62.5°	10572.0	10783.9	12493.1	16008.6	19229.4	20317.4	20857.4	20860.5	21128.2	22461.4	17361.0
65°	9640.2	9818.6	11777.9	15650.2	19822.0	21634.7	22208.1	22187.4	22405.7	24280.5	18439.3
67.5°	8292.6	8429.6	10317.2	14291.4	19599.0	22832.5	24247.0	24178.5	23914.1	25852.7	18863.1
70°	6411.4	6460.8	8131.7	11910.1	17509.1	23292.9	26217.4	26182.4	24839.6	25570.7	17310.0
71°	5299.6	5462.0	7166.4	10511.5	16108.9	22867.6	26408.6	26429.3	24607.0	24803.0	16241.2
72.5°	3077.5	3216.1	5194.4	8072.8	13676.6	21093.1	25417.8	25567.5	23520.7	22560.2	13872.5
75°	659.5	705.7	1925.8	3907.4	7523.2	14783.7	20062.5	20596.1	19170.5	15347.5	8361.1
77.5°	458.8	495.4	825.1	1772.9	2486.5	7305.0	12462.8	13064.9	11452.9	5767.9	2676.1
80°	363.2	404.6	643.5	876.1	672.2	2355.9	5838.0	6205.9	3819.8	1287.1	450.8
82.5°	202.3	240.5	501.8	473.1	258.0	447.6	1634.3	1847.8	764.6	259.6	106.7
85°	58.9	71.7	323.4	344.1	109.9	86.0	278.8	345.7	145.0	68.5	47.8
87.5°	0.0	0.0	156.1	132.2	31.9	12.7	25.5	28.7	28.7	28.7	31.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5	6841.5
2.5°	6868.6	6879.7	6839.9	6787.3	6731.6	6663.1	6591.4	6535.6	6534.1	6507.0	6479.9
5°	6953.0	6946.6	6836.7	6669.4	6471.9	6266.4	6070.5	5849.1	5775.8	5685.0	5654.8
7.5°	7109.1	7064.5	6831.9	6465.6	6032.3	5602.2	5157.8	4710.2	4519.0	4347.0	4316.7
10°	7305.0	7220.6	6801.7	6159.7	5364.9	4571.6	3901.0	3292.5	3024.9	2819.4	2809.9
12.5°	7508.9	7379.9	6717.2	5697.8	4490.4	3375.3	2602.8	2003.9	1780.9	1637.5	1650.2
15°	7722.4	7529.6	6535.6	5075.0	3494.8	2290.6	1599.3	1247.2	1158.0	1121.4	1131.0
17.5°	7940.6	7633.1	6282.4	4324.7	2512.0	1478.2	1107.1	1008.3	1008.3	1016.3	1019.5
20°	8130.1	7688.9	5909.6	3483.7	1702.8	1076.8	968.5	954.1	962.1	974.9	976.4
22.5°	8318.1	7692.1	5423.8	2631.5	1191.5	943.0	922.3	915.9	920.7	935.0	936.6
25°	8471.0	7653.9	4815.3	1871.7	951.0	888.8	879.3	876.1	879.3	896.8	896.8
27.5°	8533.1	7515.3	4073.0	1315.7	852.2	828.3	825.1	828.3	833.1	845.8	847.4
30°	8539.5	7273.2	3263.8	952.6	772.6	747.1	753.4	764.6	759.8	756.6	759.8
32.5°	8555.4	6992.8	2475.4	783.7	705.7	665.8	657.9	657.9	638.8	627.6	621.2
35°	8608.0	6663.1	1795.2	704.1	637.2	591.0	560.7	525.7	489.0	469.9	465.1
37.5°	8690.8	6317.4	1285.5	651.5	576.6	524.1	466.7	404.6	352.0	337.7	337.7
40°	8842.2	5960.6	951.0	610.1	528.8	463.5	377.5	296.3	248.5	240.5	240.5
42.5°	9081.1	5584.7	758.2	573.4	487.4	401.4	288.3	215.0	180.0	175.2	173.6
45°	9329.6	5170.5	662.6	538.4	442.8	329.7	213.4	159.3	138.6	133.8	133.8
47.5°	9578.1	4729.3	616.5	504.9	399.8	256.5	159.3	125.8	116.3	116.3	117.9
50°	9788.3	4269.0	583.0	468.3	344.1	194.3	125.8	106.7	103.5	109.9	111.5
52.5°	9840.9	3816.6	541.6	422.1	275.6	148.1	103.5	94.0	94.0	94.0	94.0
55°	9809.0	3466.1	487.4	364.8	203.9	117.9	89.2	82.8	81.2	81.2	81.2
57.5°	9917.4	3259.1	390.3	283.5	146.5	95.6	78.1	73.3	70.1	68.5	68.5
60°	10135.6	3123.7	278.8	203.9	109.9	79.6	66.9	62.1	57.3	54.2	54.2
62.5°	10425.5	3005.8	207.1	151.3	84.4	63.7	55.8	51.0	44.6	41.4	41.4
65°	10648.5	2795.5	157.7	113.1	63.7	51.0	43.0	41.4	31.9	28.7	27.1
67.5°	10307.6	2333.6	127.4	82.8	47.8	39.8	33.5	31.9	19.1	15.9	15.9
70°	8840.6	1624.8	101.9	60.5	35.0	31.9	27.1	20.7	14.3	12.7	12.7
71°	8017.0	1357.1	92.4	51.0	30.3	30.3	25.5	17.5	12.7	11.2	11.2
72.5°	6659.9	963.7	78.1	39.8	27.1	31.9	27.1	15.9	12.7	11.2	9.6
75°	3866.0	403.0	54.2	27.1	20.7	38.2	35.0	14.3	9.6	8.0	8.0
77.5°	1162.8	148.1	30.3	17.5	15.9	33.5	39.8	12.7	4.8	1.6	1.6
80°	211.9	63.7	19.1	11.2	11.2	20.7	30.3	6.4	0.0	0.0	0.0
82.5°	74.9	31.9	11.2	6.4	4.8	9.6	14.3	0.0	0.0	0.0	0.0
85°	43.0	22.3	6.4	3.2	0.0	1.6	3.2	0.0	0.0	0.0	0.0
87.5°	28.7	6.4	0.0	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)