

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: P321580

Luminaire Tested: **GAN-SA6D-730-U-T3R-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321580  
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-SA6D-730-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1200mA 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: 32504 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

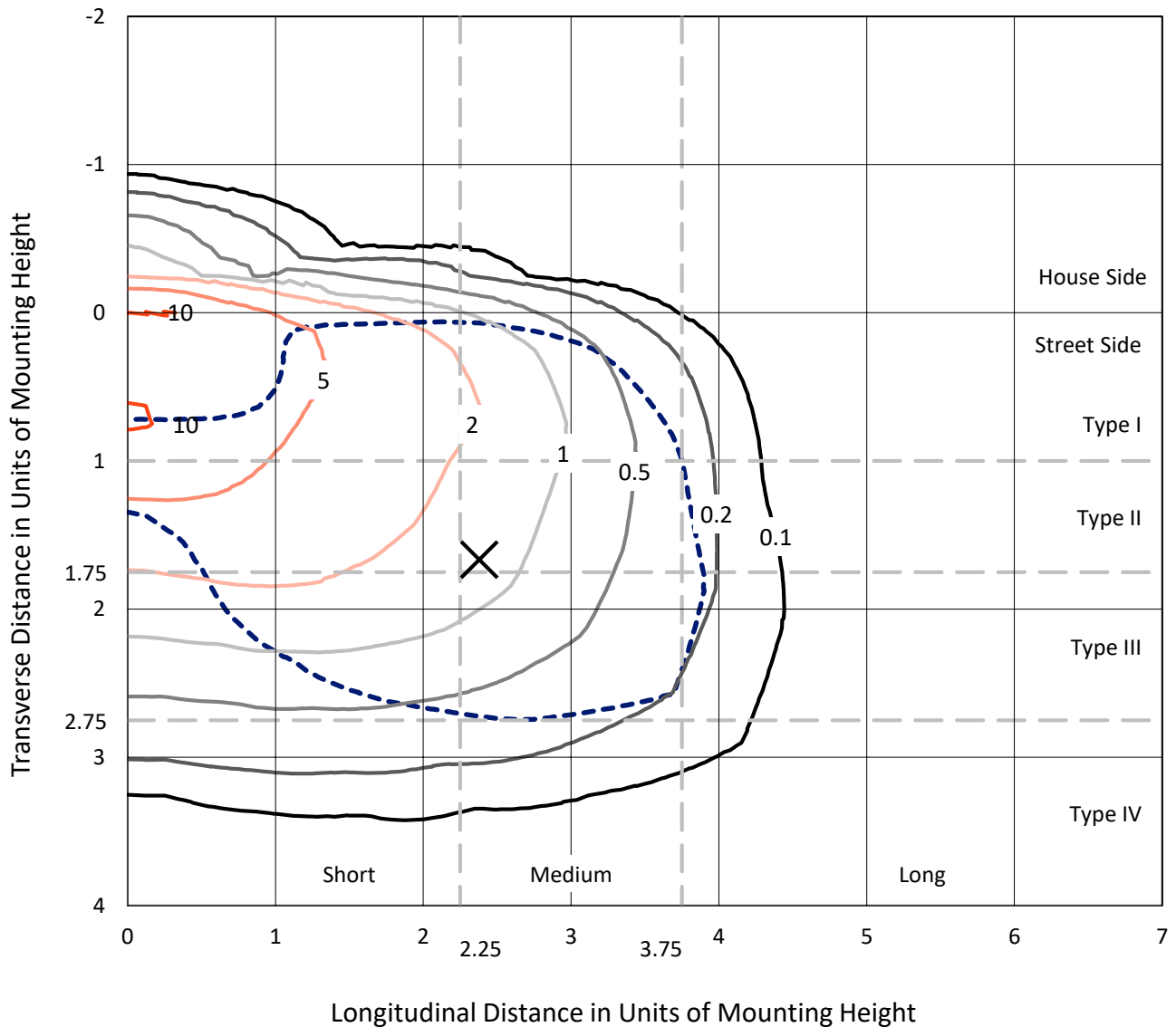
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

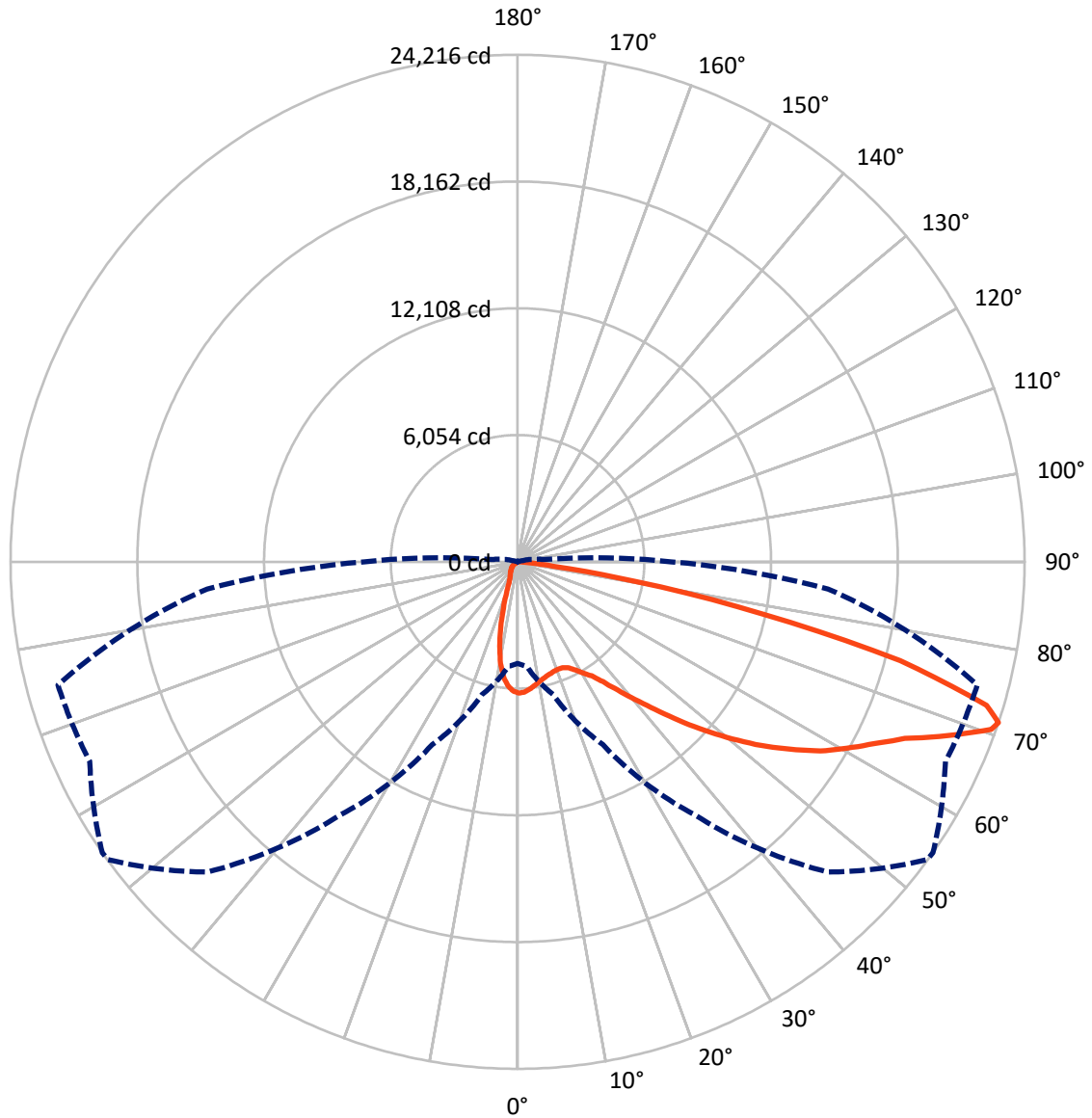
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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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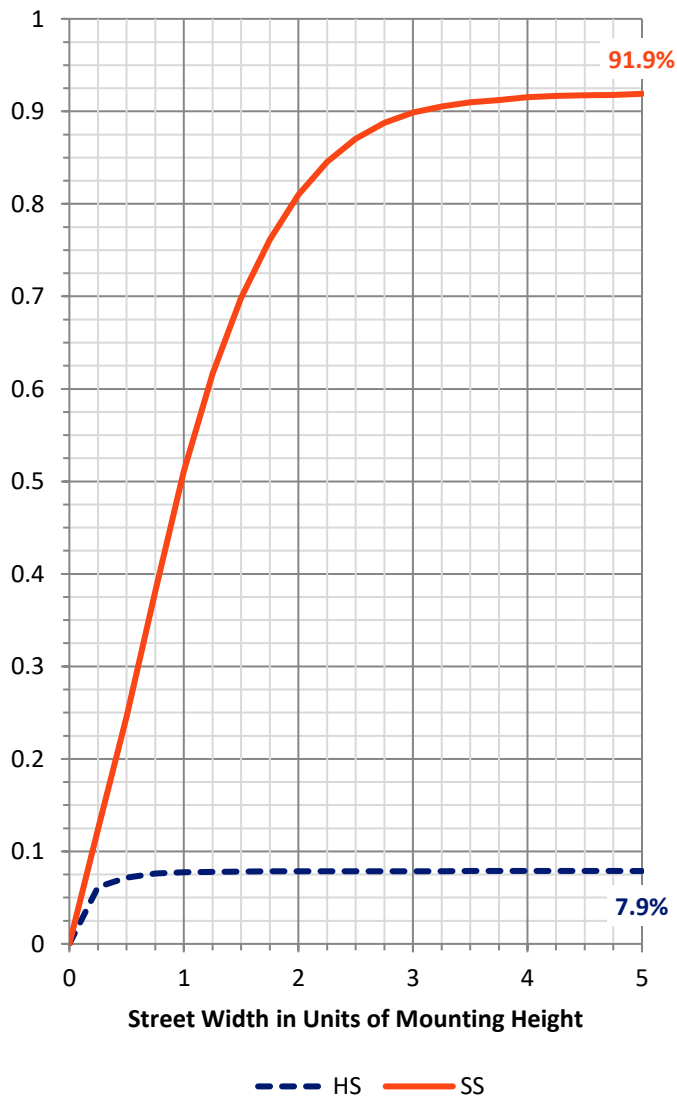
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2573.4	0.0	2573.4
	% Fixture	7.9	0.0	7.9
<b>Street Side</b>	Lumens	29930.6	0.0	29930.6
	% Fixture	92.1	0.0	92.1
<b>Total</b>	Lumens	32504.0	0.0	32504.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	534.5	1.6
10°-20°	1206.6	3.7
20°-30°	1939.1	6.0
30°-40°	3294.6	10.1
40°-50°	5113.6	15.7
50°-60°	6875.1	21.2
60°-70°	8410.5	25.9
70°-80°	4917.4	15.1
80°-90°	212.6	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°	32504.0	100.0
0°-180°	32504.0	100.0

**Coefficient of Utilization**

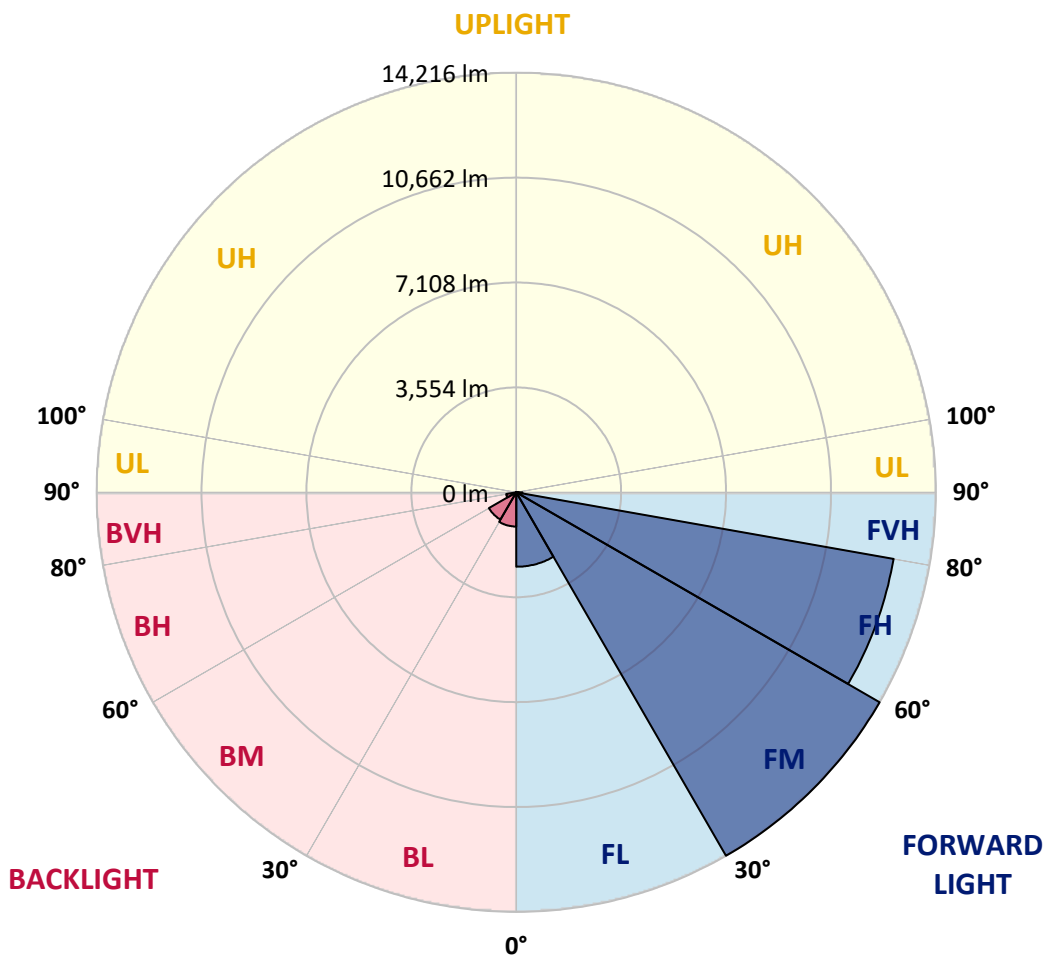


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2521.9	7.8			
FM (30°-60°)	14216.3	43.7			
FH (60°-80°)	12983.2	39.9			G5
FVH (80°-90°)	209.2	0.6			G2/225
BL (0°-30°)	1158.3	3.6	B3/2500		
BM (30°-60°)	1067.0	3.3	B2/2500		
BH (60°-80°)	344.8	1.1	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: 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°	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5
2.5°	6084.6	6091.9	6118.2	6129.9	6157.6	6204.3	6227.6	6229.1	6267.1	6281.6	6293.3
5°	5654.1	5697.9	5741.6	5788.3	5873.0	5985.4	6096.3	6106.5	6229.1	6319.6	6367.8
7.5°	5283.4	5322.8	5375.3	5449.7	5569.4	5746.0	5931.4	5953.3	6185.3	6391.1	6499.1
10°	4902.4	4934.5	5010.4	5119.9	5284.8	5521.3	5770.8	5807.3	6145.9	6487.4	6677.2
12.5°	4495.2	4514.2	4606.2	4763.8	5006.1	5306.7	5635.1	5683.3	6121.1	6598.4	6887.3
15°	4185.8	4194.6	4282.1	4445.6	4722.9	5114.1	5530.0	5588.4	6126.9	6731.2	7116.5
17.5°	4107.0	4111.4	4158.1	4270.5	4515.7	4941.8	5446.8	5518.3	6144.5	6861.1	7347.1
20°	4426.6	4396.0	4347.8	4330.3	4435.4	4838.2	5397.2	5477.5	6167.8	6976.4	7554.3
22.5°	5303.8	5213.3	5013.4	4746.3	4584.3	4845.5	5410.3	5490.6	6242.2	7117.9	7793.7
25°	6605.7	6480.1	6140.1	5614.7	5109.7	5055.7	5519.8	5601.5	6386.7	7287.2	8022.8
27.5°	8087.0	7963.0	7547.0	6796.8	5935.7	5471.6	5770.8	5846.7	6601.3	7437.6	8198.0
30°	9505.7	9470.6	8980.2	8127.9	6974.9	6145.9	6094.8	6159.1	6760.4	7528.1	8336.6
32.5°	10708.3	10652.8	10258.8	9429.8	8164.4	6955.9	6475.8	6494.7	6880.0	7644.8	8517.6
35°	11823.3	11754.7	11408.8	10625.1	9384.5	7945.5	7062.5	7034.7	7141.3	7879.8	8780.3
37.5°	12796.8	12859.6	12475.7	11729.9	10479.1	8974.4	7853.5	7770.3	7549.9	8262.2	9161.2
40°	13611.2	13611.2	13411.3	12789.5	11661.3	10038.4	8748.2	8638.7	8164.4	8851.8	9644.3
42.5°	13904.6	13967.3	14041.8	13690.0	12719.5	11144.7	9745.0	9631.2	9029.9	9688.1	10254.4
45°	13922.1	14021.3	14402.3	14400.8	13675.4	12243.7	10868.8	10814.8	10139.1	10762.3	11010.4
47.5°	13675.4	13799.5	14427.1	14783.2	14432.9	13266.8	12097.7	12030.6	11442.4	12078.7	11801.4
50°	13294.5	13431.7	14161.4	14933.5	14948.1	14157.1	13392.3	13291.6	12877.1	13583.5	12618.8
52.5°	12612.9	12878.5	13923.5	14968.5	15286.7	14926.2	14624.1	14580.3	14482.5	15032.8	13269.7
55°	11154.9	11449.7	13326.6	14980.2	15600.5	15607.8	15778.6	15790.2	15987.3	16387.2	13754.2
57.5°	10466.0	10632.4	12284.5	15035.7	16066.1	16381.3	16954.9	17045.4	17350.4	17673.0	14307.4
60°	10032.5	10229.6	11770.8	14959.8	16797.3	17395.7	18045.1	18075.8	18402.7	18999.7	15056.1
62.5°	9686.6	9880.8	11446.8	14667.9	17619.0	18615.8	19110.6	19113.5	19358.7	20580.3	15907.0
65°	8832.8	8996.3	10791.5	14339.5	18161.9	19822.8	20348.2	20329.2	20529.2	22247.0	16895.1
67.5°	7598.1	7723.6	9453.1	13094.6	17957.6	20920.3	22216.4	22153.6	21911.3	23687.5	17283.3
70°	5874.5	5919.7	7450.7	10912.6	16042.7	21342.1	24021.8	23989.7	22759.3	23429.2	15860.3
71°	4855.7	5004.6	6566.2	9631.2	14759.8	20952.5	24196.9	24215.9	22546.2	22725.7	14881.0
72.5°	2819.7	2946.7	4759.4	7396.7	12531.2	19326.6	23289.1	23426.3	21550.8	20670.8	12710.7
75°	604.2	646.6	1764.5	3580.1	6893.2	13545.5	18382.3	18871.2	17565.0	14062.2	7660.9
77.5°	420.3	453.9	756.0	1624.4	2278.3	6693.2	11419.1	11970.7	10493.7	5284.8	2451.9
80°	332.8	370.7	589.6	802.7	615.9	2158.6	5349.0	5686.2	3499.9	1179.3	413.0
82.5°	185.4	220.4	459.7	433.5	236.4	410.1	1497.4	1693.0	700.6	237.9	97.8
85°	54.0	65.7	296.3	315.3	100.7	78.8	255.4	316.7	132.8	62.8	43.8
87.5°	0.0	0.0	143.0	121.1	29.2	11.7	23.4	26.3	26.3	26.3	29.2
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°	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5	6268.5
2.5°	6293.3	6303.5	6267.1	6218.9	6167.8	6105.1	6039.4	5988.3	5986.8	5962.0	5937.2
5°	6370.7	6364.8	6264.1	6110.9	5929.9	5741.6	5562.1	5359.3	5292.1	5208.9	5181.2
7.5°	6513.7	6472.8	6259.8	5924.1	5527.1	5133.0	4725.8	4315.7	4140.6	3983.0	3955.2
10°	6693.2	6615.9	6232.0	5643.9	4915.6	4188.7	3574.3	3016.8	2771.6	2583.3	2574.5
12.5°	6880.0	6761.8	6154.7	5220.6	4114.3	3092.7	2384.8	1836.0	1631.7	1500.4	1512.0
15°	7075.6	6899.0	5988.3	4649.9	3202.1	2098.7	1465.3	1142.8	1061.0	1027.5	1036.2
17.5°	7275.6	6993.9	5756.2	3962.5	2301.6	1354.4	1014.3	923.9	923.9	931.2	934.1
20°	7449.2	7045.0	5414.7	3191.9	1560.2	986.6	887.4	874.2	881.5	893.2	894.7
22.5°	7621.5	7047.9	4969.6	2411.1	1091.7	864.0	845.0	839.2	843.6	856.7	858.2
25°	7761.6	7012.9	4412.0	1714.9	871.3	814.4	805.6	802.7	805.6	821.7	821.7
27.5°	7818.5	6885.9	3731.9	1205.5	780.8	758.9	756.0	758.9	763.3	775.0	776.4
30°	7824.3	6664.0	2990.5	872.8	707.9	684.5	690.3	700.6	696.2	693.3	696.2
32.5°	7838.9	6407.2	2268.0	718.1	646.6	610.1	602.8	602.8	585.3	575.0	569.2
35°	7887.1	6105.1	1644.8	645.1	583.8	541.5	513.7	481.6	448.1	430.5	426.2
37.5°	7963.0	5788.3	1177.8	596.9	528.3	480.2	427.6	370.7	322.5	309.4	309.4
40°	8101.6	5461.4	871.3	559.0	484.6	424.7	345.9	271.5	227.7	220.4	220.4
42.5°	8320.6	5117.0	694.7	525.4	446.6	367.8	264.2	197.0	164.9	160.5	159.1
45°	8548.2	4737.5	607.1	493.3	405.7	302.1	195.6	145.9	127.0	122.6	122.6
47.5°	8775.9	4333.2	564.8	462.7	366.3	235.0	145.9	115.3	106.5	106.5	108.0
50°	8968.6	3911.4	534.2	429.1	315.3	178.1	115.3	97.8	94.9	100.7	102.2
52.5°	9016.7	3496.9	496.2	386.8	252.5	135.7	94.9	86.1	86.1	86.1	86.1
55°	8987.5	3175.9	446.6	334.2	186.8	108.0	81.7	75.9	74.4	74.4	74.4
57.5°	9086.8	2986.1	357.6	259.8	134.3	87.6	71.5	67.1	64.2	62.8	62.8
60°	9286.7	2862.1	255.4	186.8	100.7	73.0	61.3	56.9	52.5	49.6	49.6
62.5°	9552.4	2754.1	189.7	138.7	77.4	58.4	51.1	46.7	40.9	37.9	37.9
65°	9756.7	2561.4	144.5	103.6	58.4	46.7	39.4	37.9	29.2	26.3	24.8
67.5°	9444.4	2138.2	116.8	75.9	43.8	36.5	30.6	29.2	17.5	14.6	14.6
70°	8100.2	1488.7	93.4	55.5	32.1	29.2	24.8	19.0	13.1	11.7	11.7
71°	7345.6	1243.5	84.7	46.7	27.7	27.7	23.4	16.1	11.7	10.2	10.2
72.5°	6102.1	883.0	71.5	36.5	24.8	29.2	24.8	14.6	11.7	10.2	8.8
75°	3542.2	369.3	49.6	24.8	19.0	35.0	32.1	13.1	8.8	7.3	7.3
77.5°	1065.4	135.7	27.7	16.1	14.6	30.6	36.5	11.7	4.4	1.5	1.5
80°	194.1	58.4	17.5	10.2	10.2	19.0	27.7	5.8	0.0	0.0	0.0
82.5°	68.6	29.2	10.2	5.8	4.4	8.8	13.1	0.0	0.0	0.0	0.0
85°	39.4	20.4	5.8	2.9	0.0	1.5	2.9	0.0	0.0	0.0	0.0
87.5°	26.3	5.8	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)