

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: P322900

Luminaire Tested: **GAN-SA6D-740-U-T4W-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322900  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6D-740-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33636 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - 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

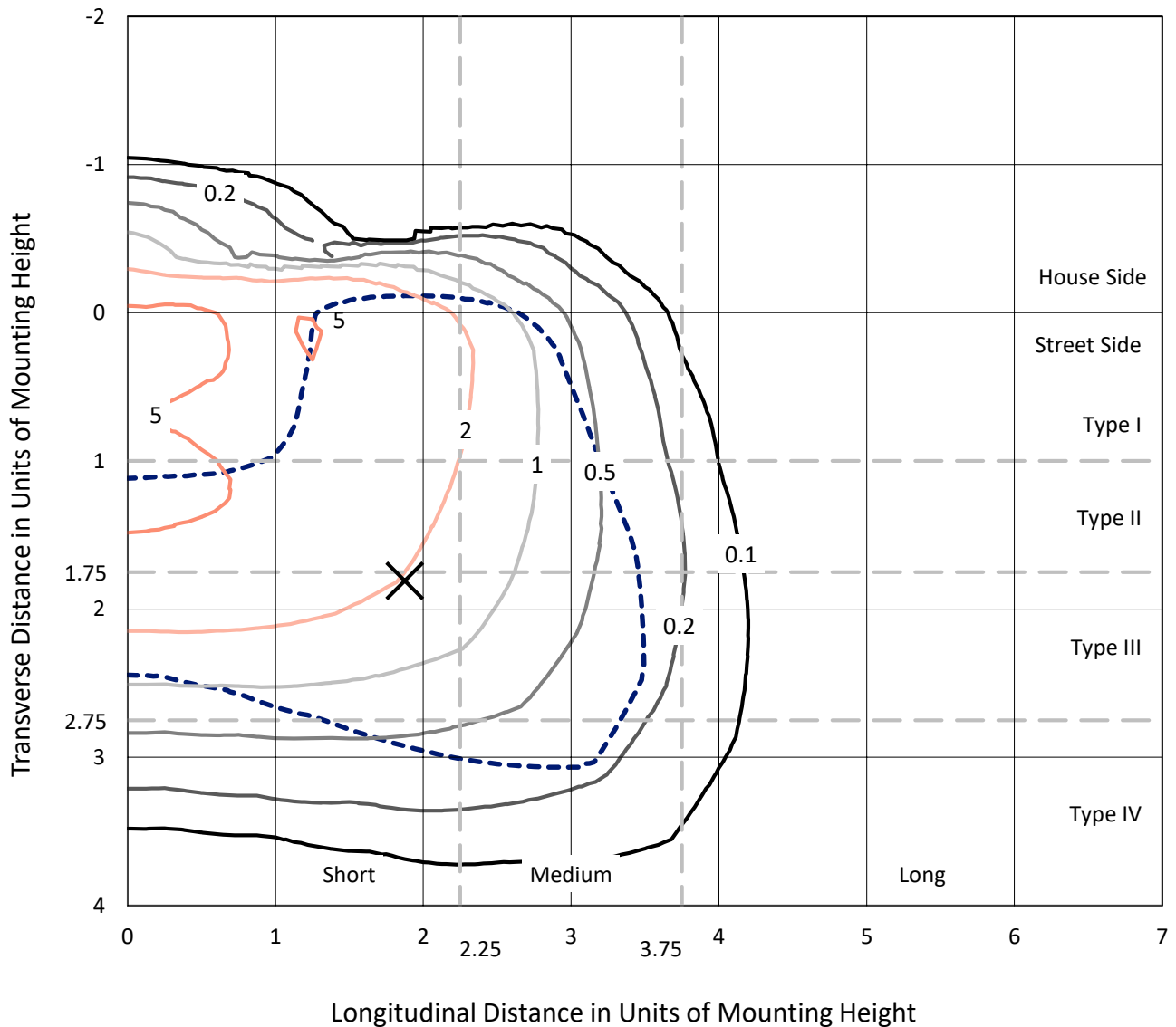




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### Iso-Footcandle Lines of Horizontal Illumination

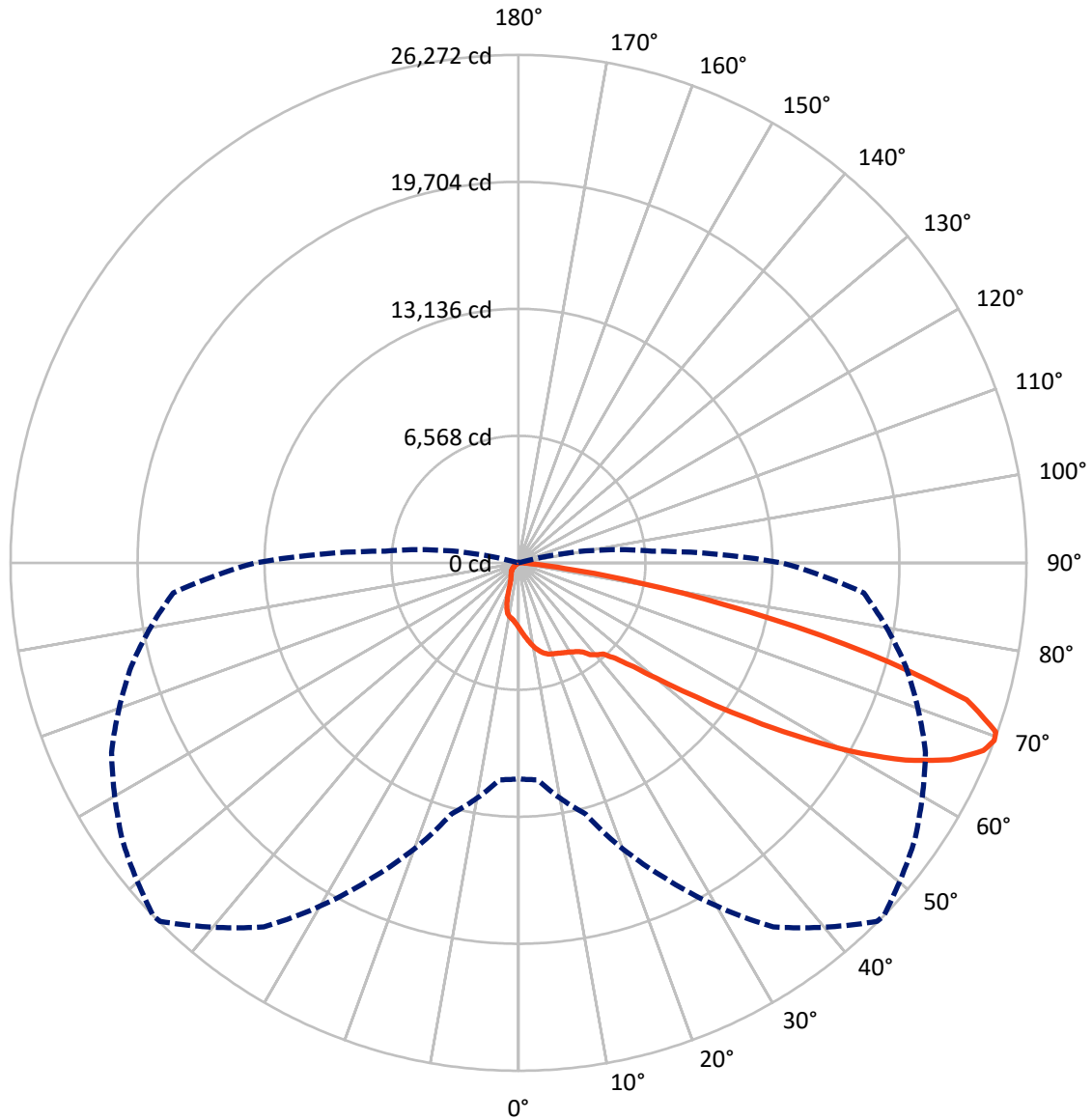
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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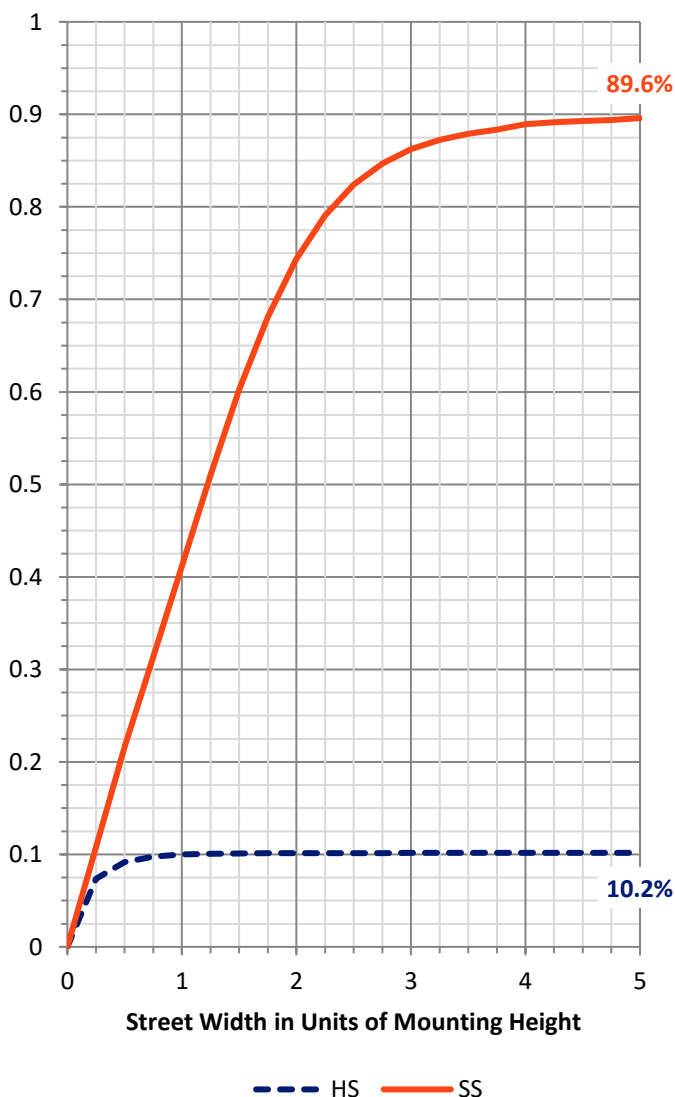
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3452.0	0.0	3452.0
	% Fixture	10.3	0.0	10.3
<b>Street Side</b>	Lumens	30184.0	0.0	30184.0
	% Fixture	89.7	0.0	89.7
<b>Total</b>	Lumens	33636.0	0.0	33636.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.5	1.0
10°-20°	1017.7	3.0
20°-30°	1600.5	4.8
30°-40°	2295.1	6.8
40°-50°	3966.8	11.8
50°-60°	7836.7	23.3
60°-70°	10952.5	32.6
70°-80°	5291.2	15.7
80°-90°	340.1	1.0
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°	33636.0	100.0
0°-180°	33636.0	100.0

**Coefficient of Utilization**

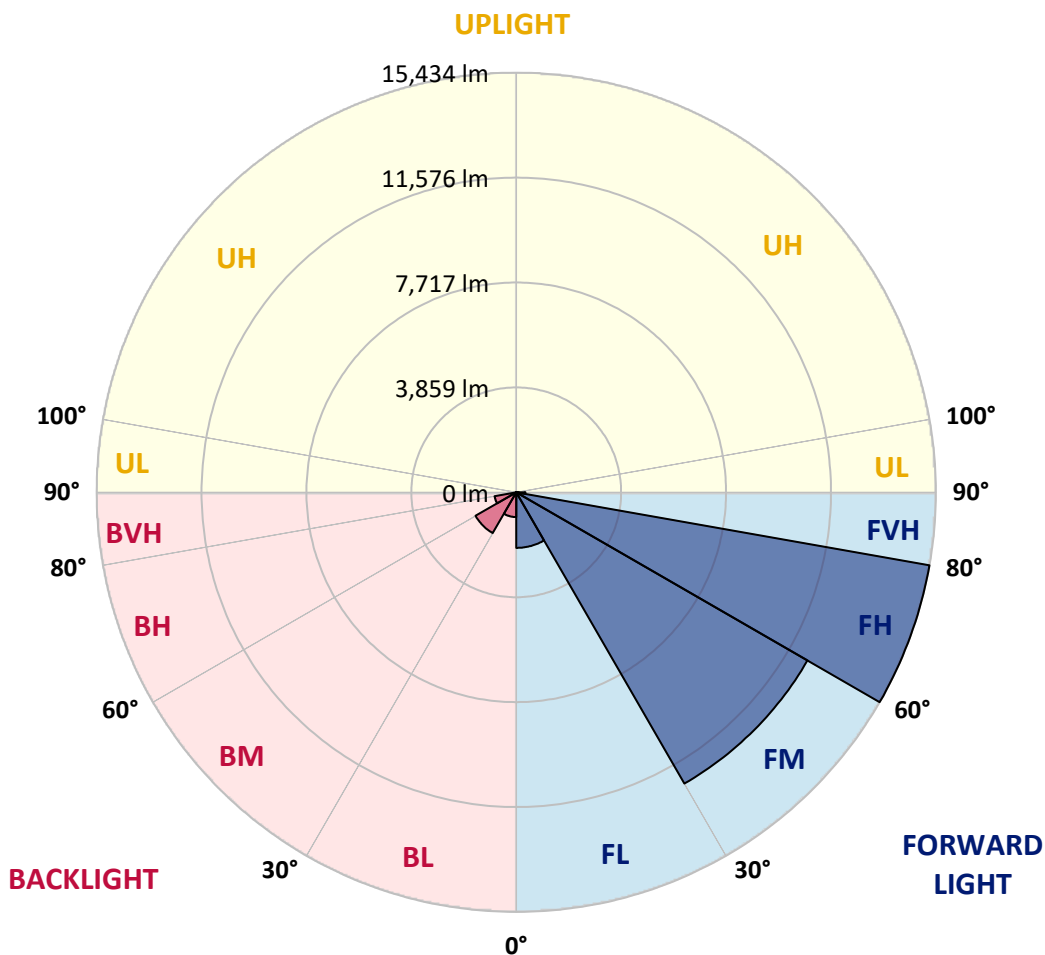


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2043.8	6.1			
FM (30°-60°)	12368.7	36.8			
FH (60°-80°)	15434.3	45.9			G5
FVH (80°-90°)	337.2	1.0			G3/500
BL (0°-30°)	909.8	2.7	B2/1000		
BM (30°-60°)	1729.9	5.1	B2/2500		
BH (60°-80°)	809.4	2.4	B2/1000		G2/1000
BVH (80°-90°)	2.9	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-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2
2.5°	3744.0	3739.2	3717.2	3707.7	3654.1	3622.5	3609.9	3570.5	3513.7	3456.9	3393.9
5°	4169.8	4168.2	4127.2	4087.8	3986.8	3892.2	3874.9	3783.4	3655.7	3535.8	3415.9
7.5°	4605.0	4584.5	4543.5	4467.8	4321.2	4169.8	4155.6	4026.3	3844.9	3671.4	3499.5
10°	4974.1	4961.5	4907.8	4792.7	4620.8	4448.9	4431.6	4272.3	4067.3	3854.4	3635.1
12.5°	5261.1	5251.6	5180.7	5037.2	4854.2	4676.0	4652.4	4510.4	4291.2	4053.1	3794.4
15°	5436.2	5431.4	5344.7	5191.7	5011.9	4857.4	4836.9	4712.3	4508.8	4259.7	3967.9
17.5°	5477.2	5478.7	5388.9	5234.3	5086.1	4975.7	4959.9	4865.3	4694.9	4447.3	4141.4
20°	5385.7	5404.6	5324.2	5190.1	5098.7	5040.3	5027.7	4970.9	4827.4	4594.0	4280.2
22.5°	5256.4	5265.8	5210.6	5120.8	5082.9	5093.9	5087.6	5056.1	4934.7	4720.2	4417.4
25°	5177.5	5177.5	5144.4	5068.7	5093.9	5161.8	5163.3	5157.0	5060.8	4874.7	4584.5
27.5°	5174.4	5164.9	5127.1	5070.3	5139.7	5243.8	5250.1	5292.7	5232.7	5062.4	4792.7
30°	5300.5	5289.5	5209.1	5134.9	5223.3	5335.2	5351.0	5444.1	5414.1	5265.8	5024.5
32.5°	5595.4	5556.0	5377.8	5256.4	5322.6	5456.7	5477.2	5625.4	5672.7	5516.6	5248.5
35°	5999.2	5874.6	5617.5	5486.6	5492.9	5633.3	5652.2	5869.9	6010.2	5746.8	5422.0
37.5°	6555.9	6494.4	6076.5	5726.3	5754.7	5967.6	6022.8	6259.4	6220.0	5873.0	5619.1
40°	7776.5	7680.3	7235.6	6398.2	6005.5	6238.9	6256.2	6382.4	6385.6	6158.5	6029.1
42.5°	9438.8	9399.3	8931.0	7617.3	6499.1	6420.3	6451.8	6664.7	6902.8	6760.9	6754.6
45°	11279.2	11258.7	10761.9	9235.3	7497.4	7014.8	7054.2	7339.7	7795.5	7827.0	8027.3
47.5°	12760.1	12750.6	12465.2	11041.1	9025.6	8022.6	8035.2	8338.0	9139.1	9535.0	9855.1
50°	14110.1	14155.8	13930.3	12995.1	11107.3	9601.2	9571.2	9773.1	11060.0	11708.2	12105.6
52.5°	15986.8	16051.4	15419.0	14818.2	13291.6	11559.9	11536.3	11747.6	13368.8	13854.6	13925.5
55°	17644.3	17533.9	17033.9	16860.5	15955.2	13979.2	13972.9	14158.9	15602.0	15808.6	15939.5
57.5°	18376.0	18333.5	18574.7	18972.2	18745.1	16838.4	16824.2	16682.3	17600.1	17622.2	18024.3
60°	18838.1	18890.2	19629.8	20855.2	21421.4	19915.3	19823.8	18958.0	19508.4	19459.5	19890.0
62.5°	18491.2	18593.7	19924.7	21967.0	23424.2	22601.0	22471.7	21042.9	21139.1	20970.3	21370.9
65°	16649.1	16808.4	18989.5	21757.3	24417.8	24700.1	24569.2	22883.3	22433.8	22156.3	21933.9
67.5°	13518.7	13613.3	15890.6	19932.6	23969.9	25952.3	25925.5	24496.6	23411.6	21956.0	20230.7
69°	11172.0	11265.0	13457.1	18011.7	22984.2	26220.4	26272.4	25013.9	23225.5	20738.5	17925.0
70°	9462.4	9561.8	11604.1	16365.3	21840.9	26095.8	26188.8	24965.0	22692.5	19328.6	15901.6
72.5°	4963.0	5048.2	7144.1	11274.5	17805.1	23962.0	24244.3	22854.9	19235.5	14037.5	9402.5
75°	1559.7	1608.6	2789.8	5893.5	12190.8	18631.5	18696.2	17928.1	13659.0	7721.3	3915.9
77.5°	594.6	580.4	928.9	2171.6	6163.2	11731.8	12127.7	11203.5	7167.8	2729.9	903.7
80°	320.1	321.7	482.6	898.9	2636.9	6029.1	6363.5	5429.9	2547.0	851.6	208.2
82.5°	138.8	145.1	271.3	476.3	1211.2	2223.7	2390.8	1990.3	973.1	572.5	77.3
85°	30.0	33.1	130.9	258.6	493.6	624.5	654.5	645.0	619.8	444.7	30.0
87.5°	0.0	0.0	58.4	93.0	124.6	141.9	124.6	162.4	342.2	299.6	15.8
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°	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2	3370.2
2.5°	3373.4	3345.0	3296.1	3242.5	3204.6	3165.2	3133.6	3119.4	3103.7	3092.6	3106.8
5°	3367.0	3311.8	3217.2	3125.8	3059.5	3005.9	2961.7	2944.4	2927.0	2914.4	2912.9
7.5°	3422.2	3345.0	3199.9	3065.8	2963.3	2890.8	2830.8	2805.6	2785.1	2775.6	2767.8
10°	3527.9	3428.6	3234.6	3059.5	2927.0	2804.0	2674.7	2575.4	2510.7	2480.7	2469.7
12.5°	3665.1	3540.5	3300.8	3092.6	2900.2	2663.7	2389.3	2152.7	1999.7	1949.3	1919.3
15°	3826.0	3671.4	3387.5	3135.2	2802.5	2370.3	1905.1	1596.0	1454.1	1425.7	1394.1
17.5°	3980.5	3810.2	3491.6	3143.1	2588.0	1894.1	1395.7	1186.0	1130.8	1149.7	1154.4
20°	4116.2	3947.4	3594.1	3073.7	2198.4	1420.9	1080.3	1028.3	1048.8	1085.0	1091.3
22.5°	4253.4	4079.9	3688.8	2890.8	1700.1	1078.7	973.1	985.7	1006.2	1042.4	1048.8
25°	4420.5	4240.7	3777.1	2554.9	1275.9	917.9	924.2	943.1	963.6	996.7	999.9
27.5°	4612.9	4444.2	3835.4	2118.0	946.2	843.7	864.2	892.6	913.1	944.7	951.0
30°	4868.4	4712.3	3854.4	1665.4	793.3	777.5	787.0	821.7	851.6	880.0	884.7
32.5°	5108.1	4977.2	3791.3	1256.9	734.9	716.0	716.0	736.5	771.2	798.0	804.3
35°	5328.9	5243.8	3589.4	919.4	690.8	659.2	643.4	643.4	665.5	687.6	693.9
37.5°	5620.7	5617.5	3263.0	733.3	648.2	611.9	578.8	553.6	545.7	550.4	553.6
40°	6120.6	6125.3	2837.2	657.6	611.9	563.0	512.5	466.8	424.2	410.0	408.5
42.5°	6901.3	6830.3	2390.8	621.4	580.4	512.5	436.8	375.3	309.1	288.6	287.0
45°	8140.8	7719.8	1917.7	588.2	547.2	455.8	361.1	277.6	223.9	208.2	208.2
47.5°	9946.6	8888.4	1485.6	552.0	503.1	391.1	272.8	200.3	164.0	156.1	157.7
50°	11813.8	10033.3	1138.6	506.2	449.5	323.3	201.9	145.1	124.6	124.6	126.2
52.5°	13469.8	10872.3	887.9	457.4	383.2	253.9	153.0	113.5	104.1	102.5	104.1
55°	15020.0	11413.3	679.7	400.6	304.4	189.2	116.7	93.0	86.7	83.6	82.0
57.5°	16515.1	11681.4	509.4	323.3	220.8	137.2	93.0	78.9	72.5	67.8	66.2
60°	17510.2	11463.7	350.1	238.1	153.0	99.4	77.3	67.8	59.9	55.2	53.6
62.5°	18071.7	10869.2	225.5	171.9	108.8	74.1	61.5	56.8	45.7	41.0	41.0
65°	17844.6	9888.2	157.7	123.0	78.9	55.2	45.7	45.7	33.1	26.8	25.2
67.5°	15813.3	8353.7	119.9	91.5	56.8	41.0	34.7	39.4	20.5	12.6	12.6
69°	13605.4	6923.3	102.5	75.7	47.3	33.1	30.0	36.3	14.2	9.5	7.9
70°	11824.9	5972.4	93.0	66.2	39.4	28.4	26.8	34.7	14.2	7.9	6.3
72.5°	7074.7	3330.8	71.0	47.3	25.2	22.1	22.1	39.4	14.2	7.9	6.3
75°	2859.2	1173.3	52.0	33.1	18.9	18.9	26.8	50.5	12.6	6.3	4.7
77.5°	648.2	257.1	30.0	20.5	12.6	18.9	31.5	39.4	7.9	3.2	0.0
80°	157.7	63.1	18.9	12.6	7.9	14.2	23.7	22.1	1.6	0.0	0.0
82.5°	52.0	22.1	7.9	6.3	1.6	4.7	11.0	6.3	0.0	0.0	0.0
85°	22.1	12.6	3.2	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0
87.5°	14.2	4.7	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)