

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: P318774

Luminaire Tested: **GAN-SA0C-750-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0C-750-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 70429 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

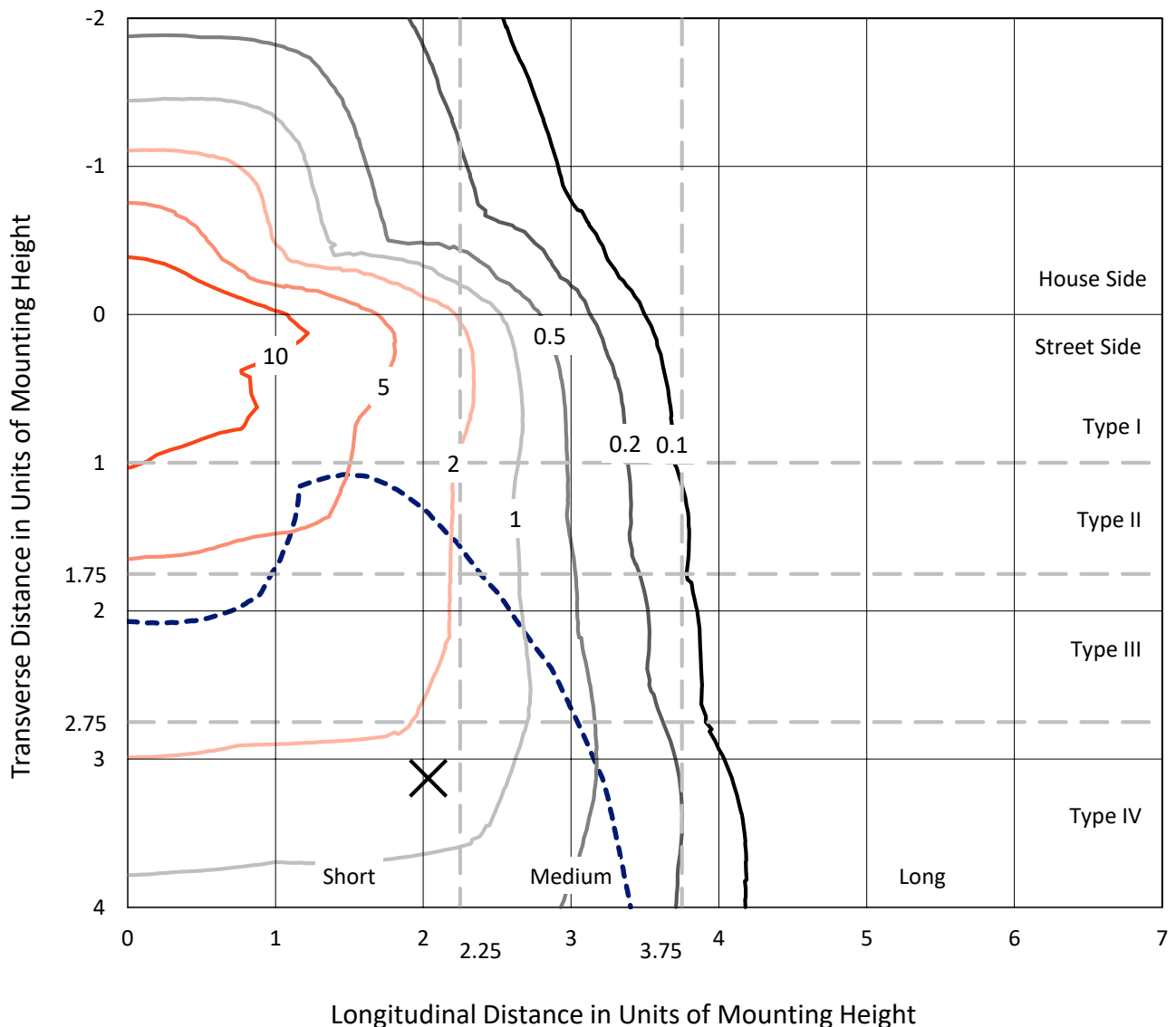
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P318774  
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### Iso-Footcandle Lines of Horizontal Illumination

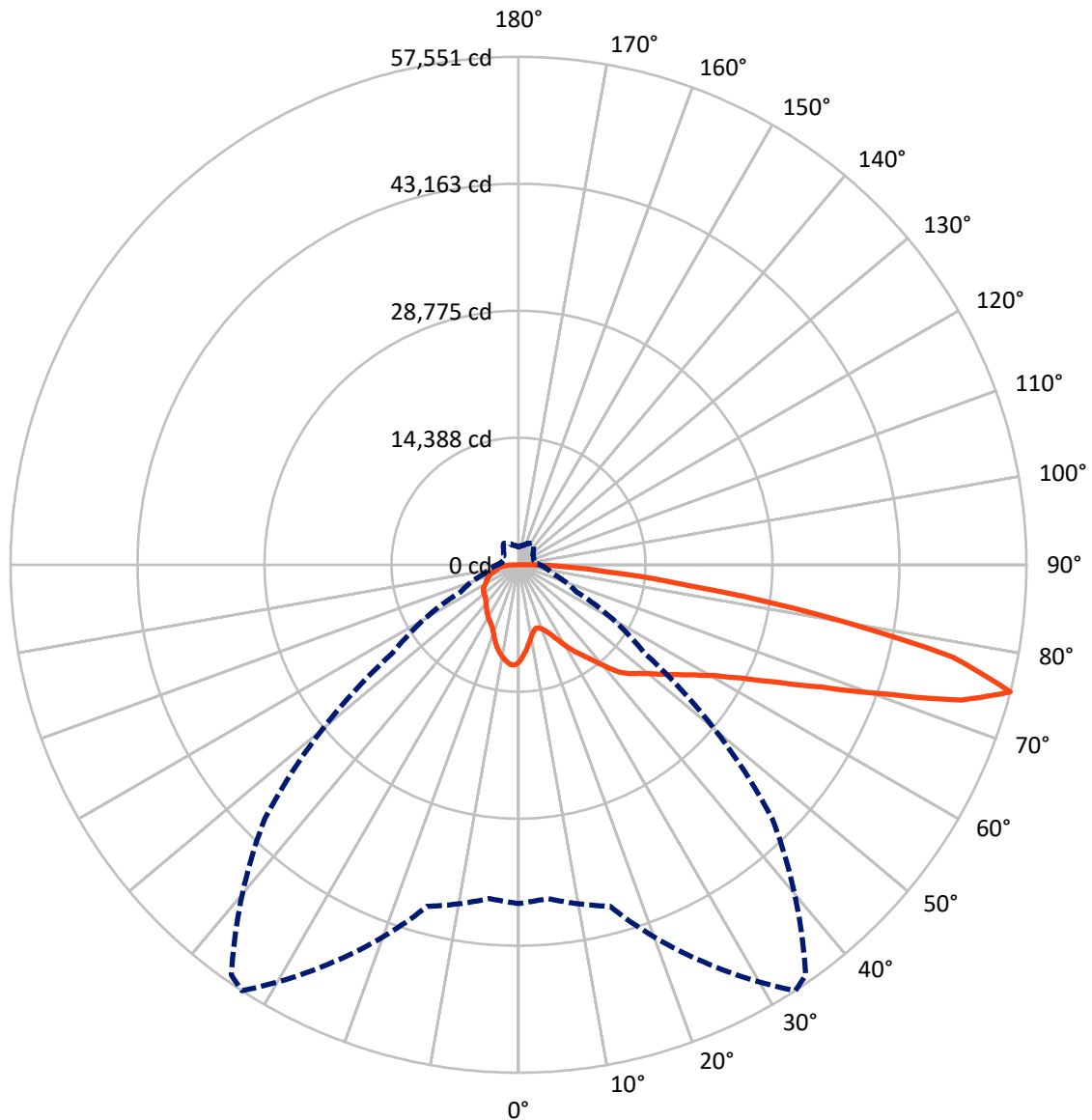
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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 CATALOG NUMBER: GAN-SAOC-750-U-T4FT

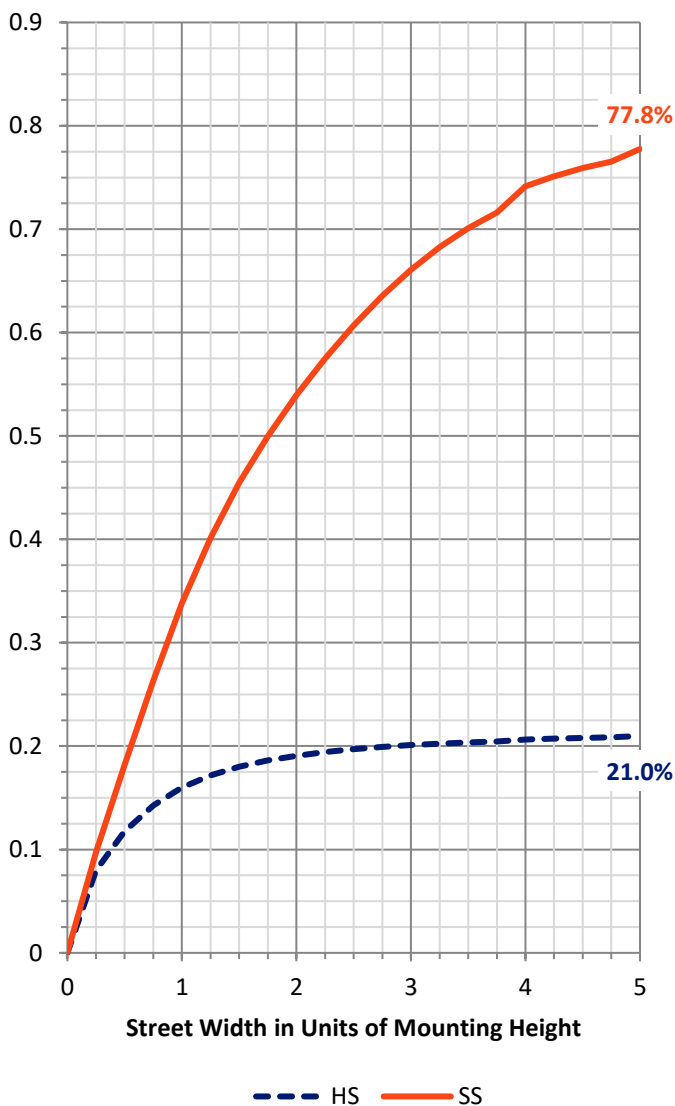
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15123.0	0.0	15123.0
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	55306.0	0.0	55306.0
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	70429.0	0.0	70429.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	995.6	1.4
10°-20°	2696.4	3.8
20°-30°	4403.7	6.3
30°-40°	6558.1	9.3
40°-50°	9406.1	13.4
50°-60°	12913.1	18.3
60°-70°	16166.7	23.0
70°-80°	14625.2	20.8
80°-90°	2664.1	3.8
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°	70429.0	100.0
0°-180°	70429.0	100.0

**Coefficient of Utilization**

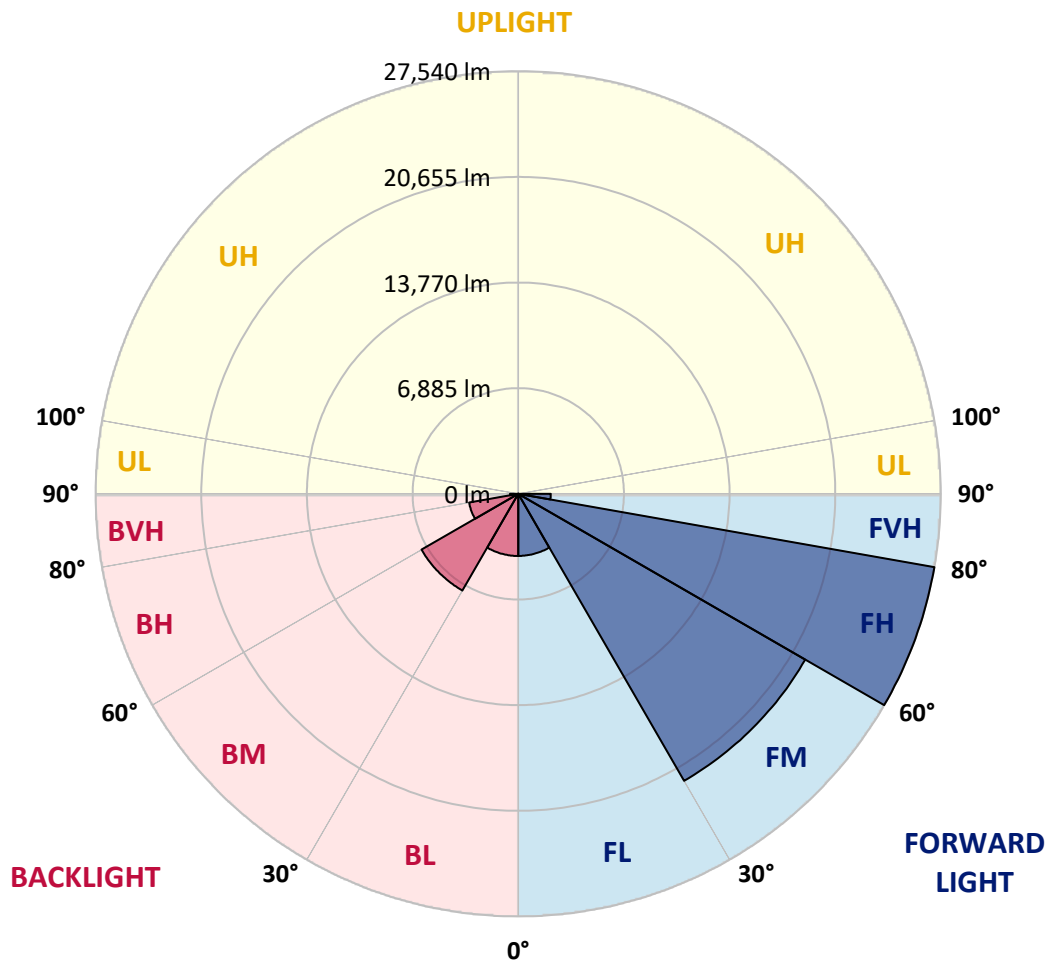


REPORT NUMBER: P318774  
 CATALOG NUMBER: GAN-SAOC-750-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4045.1	5.7			
FM (30°-60°)	21599.1	30.7			
FH (60°-80°)	27540.2	39.1			G5
FVH (80°-90°)	2121.7	3.0			G5
BL (0°-30°)	4050.6	5.8	B4/5000		
BM (30°-60°)	7278.2	10.3	B4/8500		
BH (60°-80°)	3251.7	4.6	B4/5000		G4/5000
BVH (80°-90°)	542.4	0.8			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4
2.5°	10222.7	10183.7	10256.7	10266.4	10329.7	10354.0	10441.6	10577.8	10689.7	10818.7	10935.5
5°	9295.8	9269.0	9371.2	9444.2	9582.8	9641.2	9848.0	10137.5	10395.4	10687.3	10952.5
7.5°	8415.1	8400.5	8514.8	8680.3	8840.8	8921.1	9278.7	9699.6	10130.2	10602.2	11008.4
10°	7673.1	7668.2	7777.7	7940.7	8176.7	8266.7	8728.9	9283.6	9886.9	10536.5	11103.3
12.5°	7257.1	7274.1	7325.2	7461.4	7680.4	7770.4	8283.7	8935.7	9682.6	10514.6	11242.0
15°	7359.2	7386.0	7298.4	7293.6	7449.3	7519.8	8001.5	8687.6	9536.6	10551.1	11443.9
17.5°	7794.7	7799.6	7568.5	7422.5	7517.4	7553.9	7913.9	8546.4	9451.5	10633.8	11696.9
20°	8407.8	8395.6	7986.9	7743.6	7794.7	7804.4	8038.0	8548.9	9444.2	10777.3	12025.4
22.5°	9220.3	9130.3	8580.5	8249.6	8237.5	8222.9	8356.7	8728.9	9551.2	11010.9	12417.0
25°	10281.0	10195.9	9439.3	8986.8	8889.5	8853.0	8872.4	9113.3	9762.9	11261.5	12854.9
27.5°	11460.9	11312.5	10582.7	9942.9	9741.0	9689.9	9573.1	9655.8	9994.0	11502.3	13375.6
30°	12448.7	12368.4	11731.0	10972.0	10733.5	10660.6	10354.0	10264.0	10327.3	11830.7	14032.4
32.5°	13000.9	12947.4	12560.6	11947.5	11726.1	11623.9	11190.9	11010.9	10862.5	12348.9	14922.8
35°	13669.9	13635.9	13402.3	12957.1	12628.7	12521.7	12185.9	11998.6	11616.6	13061.7	16073.5
37.5°	14521.4	14484.9	14489.8	14129.7	13738.1	13638.3	13416.9	13219.9	12594.6	13998.4	17324.0
40°	15484.8	15414.3	15387.5	15370.5	15122.3	15066.4	14949.6	14682.0	13820.8	15117.5	18557.4
42.5°	16934.8	16684.2	16149.0	16350.9	16596.6	16567.4	16662.3	16277.9	15183.1	16440.9	19761.7
45°	18333.6	17922.5	16998.0	17041.8	17579.5	17742.5	18452.8	18180.4	16659.9	17890.9	21007.3
47.5°	18971.0	18659.6	17873.8	17876.3	18409.0	18747.2	20304.2	20109.6	18212.0	19537.9	22527.8
50°	19683.8	19372.4	18666.9	18932.1	19396.8	19756.8	22092.3	21992.6	19688.7	21340.6	24350.0
52.5°	20462.3	19934.4	19486.8	19961.2	20613.2	21031.6	23882.9	23610.4	21043.8	23155.4	26444.6
55°	20472.1	20328.5	20669.1	21017.0	21992.6	22505.9	25758.6	25038.4	22148.3	24938.7	28150.0
57.5°	21637.4	21403.8	22126.4	22286.9	23561.7	24140.7	27624.5	26281.6	23272.2	26305.9	29069.6
60°	23179.8	22980.3	23571.5	23994.8	25503.1	26276.7	29617.0	27558.8	24155.3	27337.4	29025.8
62.5°	25843.7	25617.4	25610.1	26203.8	28235.1	29135.3	31852.7	28811.7	24505.7	27541.8	27787.5
65°	29743.5	29383.4	28704.7	28986.9	32008.4	32906.1	34351.2	29719.2	24043.4	26447.0	24598.1
67.5°	33538.7	33526.5	32692.0	33271.1	36990.8	37710.9	37197.6	29809.2	22600.8	22634.8	18939.4
70°	37321.7	37370.3	37229.2	39243.6	43722.4	44471.7	40228.9	28600.1	19357.8	16346.0	11346.6
72.5°	40318.9	40306.7	41017.1	46211.2	52458.6	52290.7	42783.3	24936.3	13898.6	8823.8	5422.7
75°	38377.5	37954.2	40070.7	49660.9	57550.5	56730.6	40610.8	17394.6	7213.3	4016.6	2919.4
77.5°	25031.1	25432.6	28539.2	41024.4	50339.6	49342.2	29794.6	8115.8	3398.6	2634.7	2116.5
80°	9064.6	9487.9	13363.4	23238.2	34682.1	34519.1	14672.3	3335.4	2299.0	1990.0	1542.4
82.5°	3118.9	3274.6	5271.9	10320.0	19581.7	20311.5	5520.0	1895.2	1671.3	1411.0	1055.8
85°	1223.7	1401.3	2410.9	4965.4	9877.2	9950.2	2235.7	1133.7	1162.9	924.5	579.0
87.5°	464.7	564.4	1153.2	2306.3	4510.4	4143.1	800.4	540.1	661.7	549.8	274.9
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°	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4	11008.4
2.5°	11025.5	11076.6	11183.6	11256.6	11334.4	11356.3	11366.1	11385.5	11405.0	11397.7	11400.1
5°	11093.6	11193.3	11366.1	11439.1	11473.1	11434.2	11358.8	11298.0	11254.2	11229.8	11222.5
7.5°	11205.5	11346.6	11531.5	11519.3	11441.5	11268.8	11074.1	10928.2	10806.5	10762.7	10738.4
10°	11353.9	11519.3	11648.3	11509.6	11283.4	10984.1	10692.2	10465.9	10283.5	10212.9	10200.8
12.5°	11543.7	11711.5	11735.9	11441.5	11066.8	10658.1	10261.6	9962.3	9689.9	9602.3	9582.8
15°	11789.4	11947.5	11796.7	11322.3	10799.2	10249.4	9736.1	9329.8	9042.7	8935.7	8896.8
17.5°	12047.3	12198.1	11808.8	11125.2	10448.9	9765.3	9120.6	8704.6	8376.2	8252.1	8237.5
20°	12356.2	12424.3	11757.8	10843.0	9967.2	9137.6	8458.9	8067.2	7892.0	7804.4	7794.7
22.5°	12738.2	12665.2	11641.0	10461.1	9356.6	8412.6	7860.4	7677.9	7634.1	7614.7	7622.0
25°	13142.0	12918.2	11468.2	9962.3	8585.4	7687.7	7422.5	7473.6	7532.0	7524.7	7524.7
27.5°	13587.2	13176.1	11203.1	9300.6	7731.5	7094.1	7125.7	7313.0	7400.6	7398.2	7395.7
30°	14158.9	13468.0	10864.9	8505.1	6933.5	6675.6	6867.8	7096.5	7215.7	7210.8	7213.3
32.5°	14862.0	13789.1	10405.1	7617.1	6356.9	6366.7	6588.0	6814.3	6953.0	6940.8	6943.2
35°	15684.3	14149.2	9782.3	6741.3	5975.0	6120.9	6296.1	6454.2	6585.6	6568.6	6551.5
37.5°	16579.6	14502.0	8955.2	5957.9	5663.6	5892.3	6038.2	6065.0	6125.8	6082.0	6050.4
40°	17431.1	14772.0	7889.6	5315.7	5349.7	5697.6	5792.5	5685.5	5576.0	5561.4	5517.6
42.5°	18173.1	14862.0	6811.9	4802.4	5018.9	5493.3	5551.7	5327.8	5130.8	5038.3	4999.4
45°	18956.4	14893.6	5807.1	4371.8	4700.2	5310.8	5374.1	5074.8	4797.5	4598.0	4532.3
47.5°	19980.6	15122.3	5026.2	4053.1	4456.9	5189.2	5279.2	4872.9	4512.9	4228.2	4167.4
50°	21321.1	15574.8	4391.2	3809.8	4298.8	5108.9	5211.1	4675.9	4279.3	3936.3	3875.5
52.5°	22810.0	15990.8	3877.9	3612.7	4145.5	4967.8	5123.5	4534.8	4060.4	3666.2	3600.6
55°	23851.2	15672.1	3464.3	3408.4	3946.0	4765.9	5001.8	4415.5	3746.5	3403.5	3345.1
57.5°	24050.7	14582.2	3150.5	3196.7	3705.2	4512.9	4814.5	4150.4	3576.2	3289.2	3228.3
60°	23505.8	13064.2	2916.9	3002.1	3447.3	4194.2	4464.2	3963.0	3413.2	3167.5	3116.4
62.5°	22136.1	11509.6	2744.2	2826.9	3206.4	3870.6	4245.2	3766.0	3247.8	3028.8	2977.8
65°	19370.0	9663.1	2578.8	2671.2	2982.6	3590.8	4048.2	3583.5	3084.8	2916.9	2868.3
67.5°	14621.2	7237.6	2423.1	2505.8	2783.1	3347.5	3834.1	3403.5	2926.7	2819.6	2761.2
70°	8609.7	4532.3	2245.5	2333.1	2573.9	3094.5	3605.4	3206.4	2729.6	2681.0	2605.5
72.5°	4006.8	2727.2	2043.6	2128.7	2311.2	2756.4	3311.0	2948.6	2496.1	2389.0	2286.8
75°	2391.4	1994.9	1805.1	1880.6	2009.5	2396.3	2941.3	2685.8	2274.7	2133.6	2026.5
77.5°	1788.1	1525.4	1542.4	1622.7	1727.3	2097.1	2605.5	2479.0	2104.4	1994.9	1921.9
80°	1287.0	1158.0	1257.8	1345.3	1454.8	1907.3	2496.1	2291.7	1902.5	1756.5	1688.4
82.5°	858.8	832.0	946.4	1036.4	1143.4	1668.9	2345.2	2007.1	1625.1	1440.2	1289.4
85°	474.4	501.2	637.4	676.3	768.8	1175.0	1921.9	1613.0	1223.7	985.3	941.5
87.5°	197.1	231.1	343.0	330.9	408.7	700.6	1265.1	973.1	778.5	581.4	452.5
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)