

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: P322610

Luminaire Tested: **GAN-SA6C-750-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322610  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-750-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30041 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

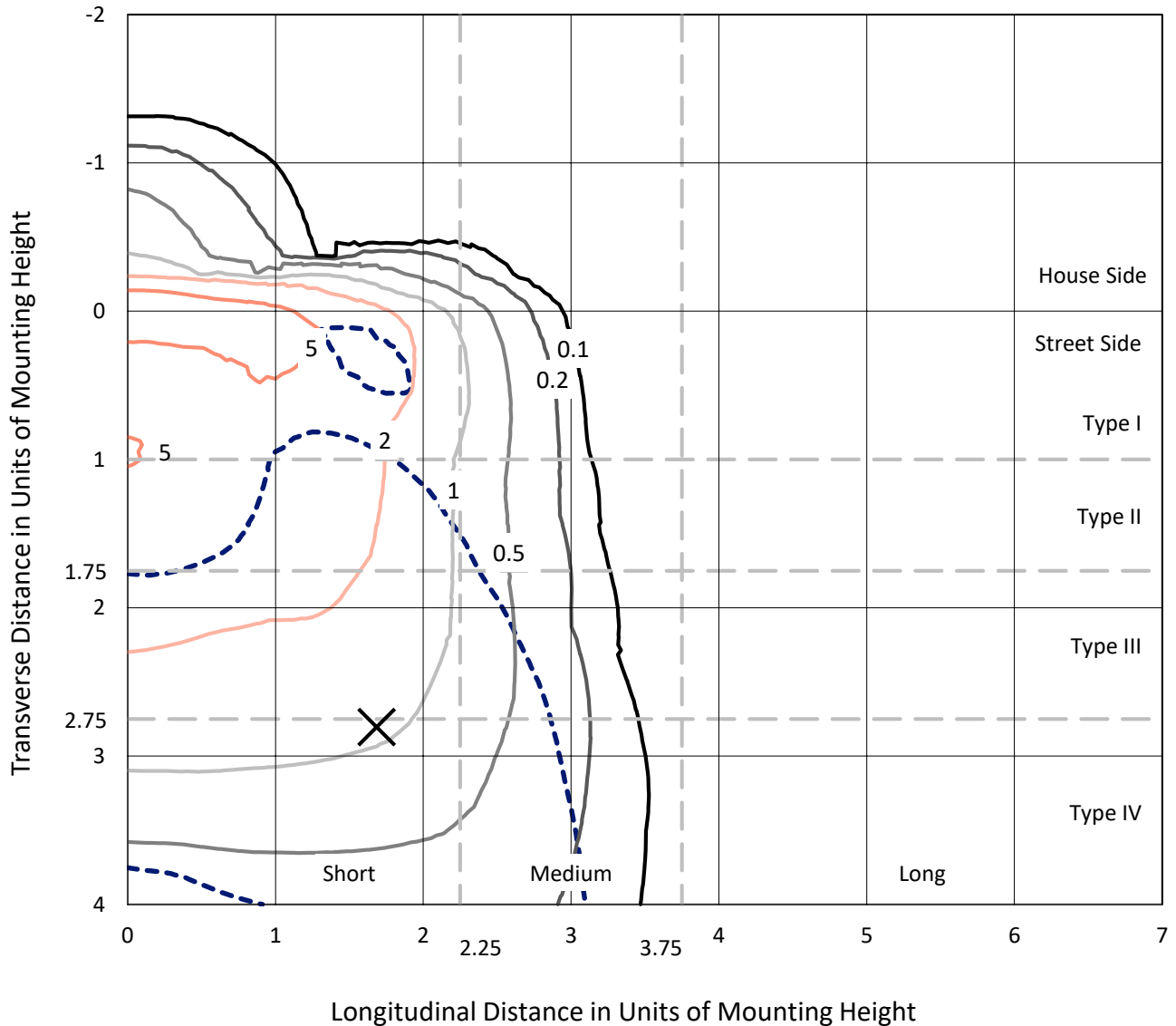
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

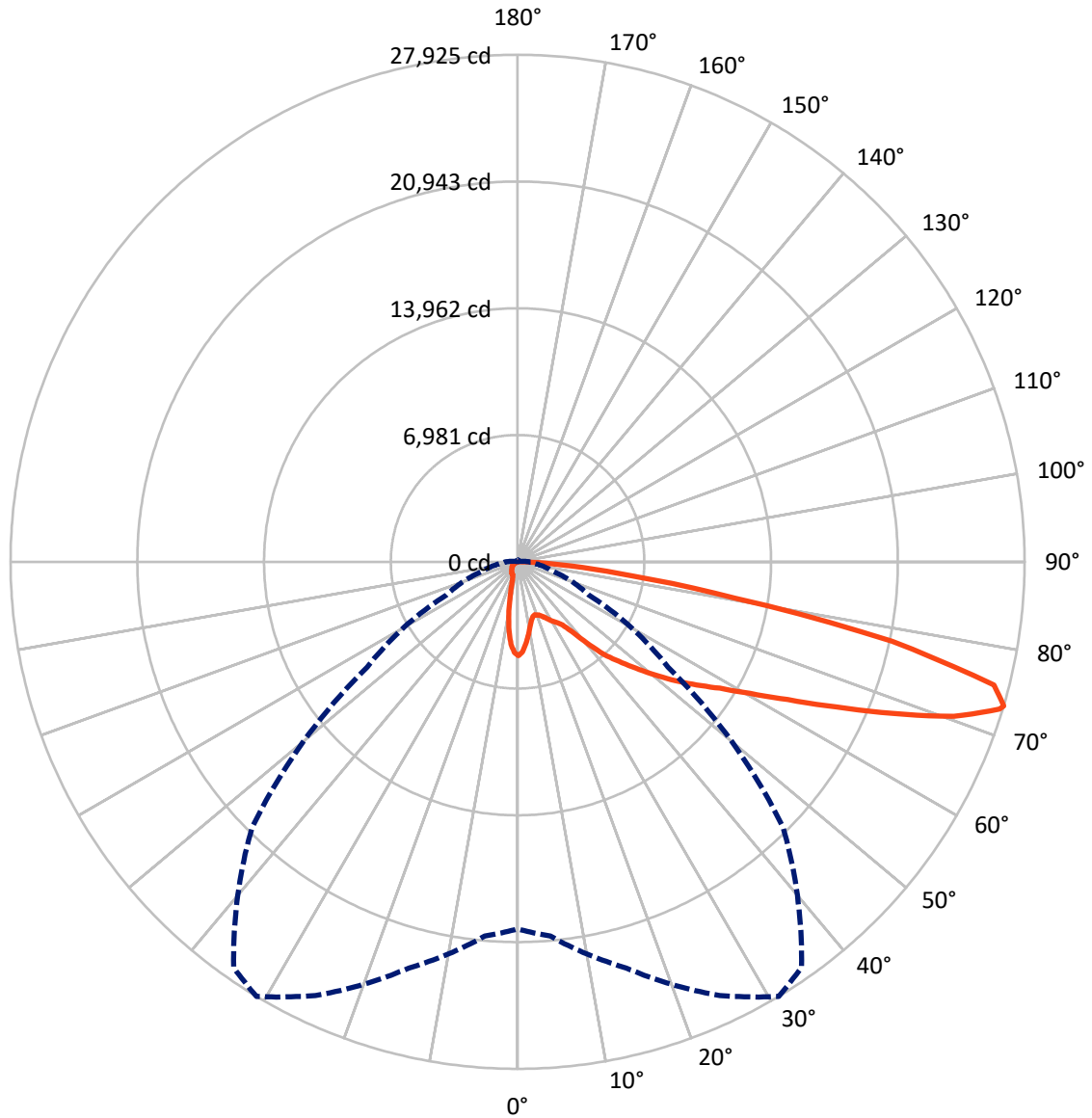
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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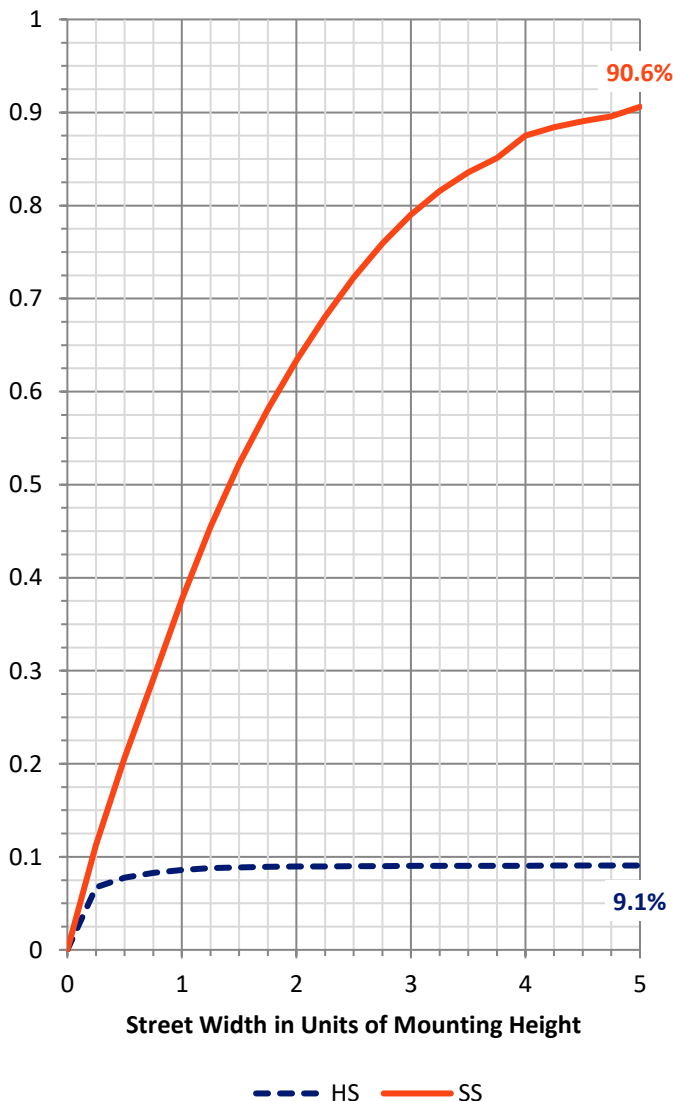
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2738.4	0.0	2738.4
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	27302.6	0.0	27302.6
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	30041.0	0.0	30041.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.5	1.4
10°-20°	930.5	3.1
20°-30°	1394.2	4.6
30°-40°	2218.1	7.4
40°-50°	3961.0	13.2
50°-60°	6146.3	20.5
60°-70°	8170.6	27.2
70°-80°	6146.0	20.5
80°-90°	645.8	2.1
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°	30041.0	100.0
0°-180°	30041.0	100.0

**Coefficient of Utilization**



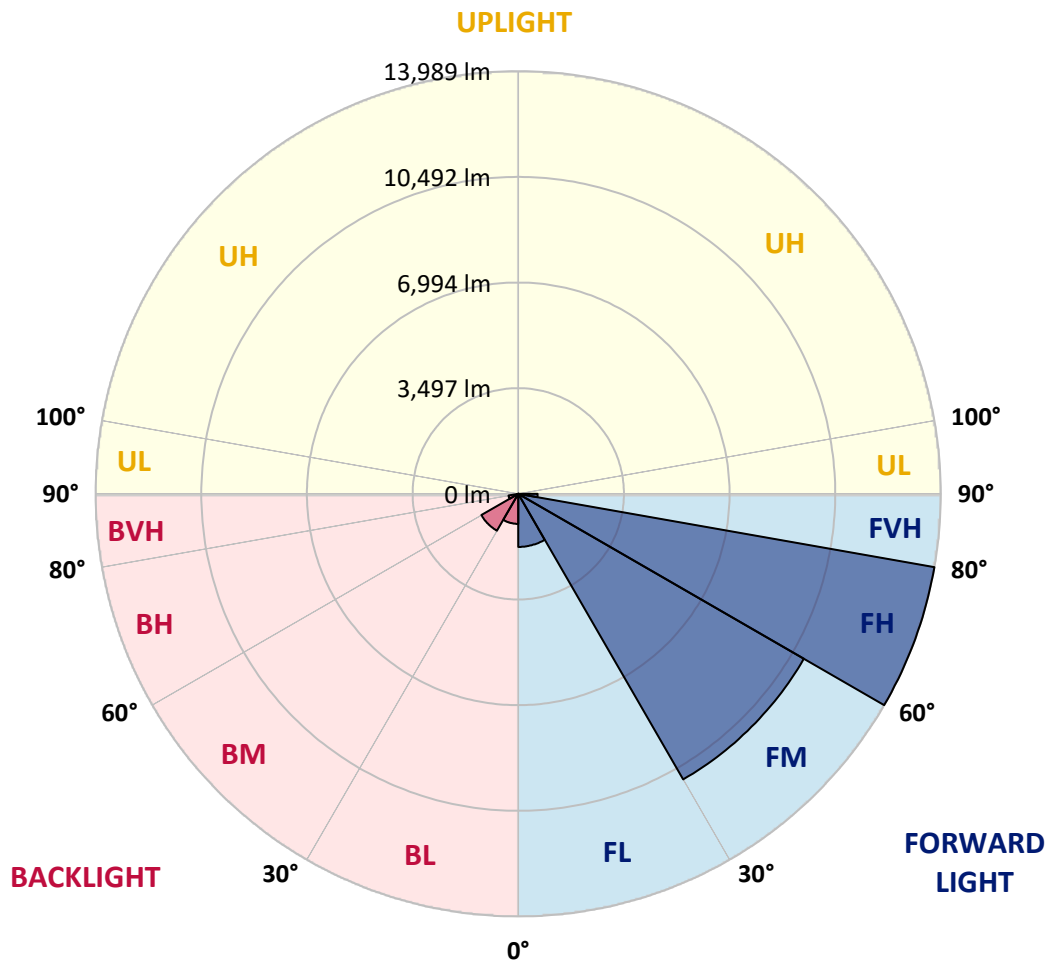
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1757.4	5.9			
FM (30°-60°)	10915.9	36.3			
FH (60°-80°)	13989.0	46.6			G5
FVH (80°-90°)	640.4	2.1			G4/750
BL (0°-30°)	995.8	3.3	B2/1000		
BM (30°-60°)	1409.5	4.7	B2/2500		
BH (60°-80°)	327.6	1.1	B1/500		G1/500
BVH (80°-90°)	5.4	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°	31°	35°	45°	55°	65°	75°	85°
0°	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6
2.5°	4898.1	4918.7	4940.8	4945.2	4981.9	4983.4	5036.3	5076.0	5115.7	5153.9	5167.1
5°	4395.4	4429.2	4468.9	4508.6	4586.5	4617.4	4746.7	4879.0	5005.4	5126.0	5184.8
7.5°	3858.8	3897.0	3952.9	4051.4	4138.1	4198.4	4402.7	4637.9	4873.1	5095.1	5223.0
10°	3369.3	3404.6	3463.4	3567.8	3701.5	3783.8	4058.7	4385.1	4730.5	5067.2	5280.3
12.5°	3057.7	3076.8	3109.1	3220.8	3341.4	3434.0	3757.4	4161.6	4612.9	5065.7	5372.9
15°	3000.3	3006.2	2979.7	3029.7	3123.8	3213.5	3541.3	3980.8	4523.3	5089.2	5493.5
17.5°	3091.5	3088.5	3000.3	2994.4	3069.4	3142.9	3435.5	3855.9	4460.1	5143.6	5649.3
20°	3229.6	3219.4	3066.5	3038.5	3117.9	3187.0	3428.1	3808.8	4436.5	5234.8	5838.9
22.5°	3413.4	3395.8	3156.1	3126.7	3212.0	3284.0	3519.2	3854.4	4457.1	5356.8	6059.5
25°	3641.3	3614.8	3310.5	3278.2	3364.9	3436.9	3682.4	3985.2	4518.9	5505.3	6338.8
27.5°	3898.5	3860.3	3557.5	3473.7	3572.2	3647.1	3900.0	4185.2	4615.9	5662.5	6681.3
30°	4141.1	4091.1	3817.7	3679.5	3800.0	3883.8	4135.2	4423.3	4771.7	5905.1	7150.2
32.5°	4385.1	4329.2	4049.9	3885.3	3994.1	4085.2	4377.7	4751.1	5064.2	6275.5	7773.5
35°	4946.6	4887.8	4545.3	4273.4	4271.9	4323.3	4717.3	5199.5	5450.9	6791.5	8517.3
37.5°	5891.9	5858.1	5531.7	5015.7	4877.6	4820.2	5180.4	5734.6	6006.5	7501.5	9356.7
40°	6926.8	6897.4	6531.3	6063.9	5853.6	5712.5	5844.8	6479.9	6791.5	8368.9	10213.7
42.5°	8095.4	7955.8	7303.1	7163.4	6975.3	6868.0	6748.9	7398.6	7755.9	9312.6	11063.4
45°	9156.8	8921.6	8074.9	7863.2	7820.5	7847.0	7913.2	8633.5	8840.7	10434.3	11910.2
47.5°	9788.9	9603.7	8953.9	8751.1	8739.3	8914.2	9414.1	10028.5	9921.2	11411.8	12655.5
50°	10390.2	10222.6	9683.1	9733.1	9787.4	10025.6	11117.8	11463.3	10907.6	12298.2	13339.0
52.5°	10876.7	10620.9	10338.7	10619.5	10887.0	11270.7	12876.0	12751.0	11607.3	13003.9	13924.1
55°	11157.5	11041.4	11178.1	11460.3	11963.1	12586.4	14535.6	13822.7	12118.9	13647.7	14313.7
57.5°	12186.5	11958.7	12230.6	12474.7	13130.3	14002.0	15957.1	14620.9	12487.9	14046.1	14403.3
60°	13431.6	13247.9	13408.1	13813.8	14698.8	15723.4	17286.0	15272.1	12680.5	14301.9	14171.1
62.5°	15413.2	15170.7	15070.7	15525.0	16698.0	17816.7	18294.5	15723.4	12637.8	14188.7	13374.3
65°	18068.1	17816.7	17369.8	17781.4	19273.5	20062.9	19422.0	15819.0	12343.8	13272.9	11360.4
67.5°	20787.7	20605.4	20223.2	20917.0	22263.6	22517.9	20614.2	15586.7	11397.1	10762.1	8026.3
70°	22584.0	22506.1	22754.6	24289.3	25490.3	25416.8	21707.9	14338.6	8883.4	6618.1	3970.5
72.5°	21288.9	21662.3	23496.9	26279.7	27746.8	27147.0	21146.3	11010.5	5077.5	2546.1	1148.1
73°	20215.8	20693.6	23163.2	26354.6	27924.6	27267.5	20674.5	10106.4	4327.8	2009.5	870.3
75°	14063.8	14650.3	19176.5	24545.0	27092.6	25979.8	17233.1	6185.9	2005.1	890.8	351.3
77.5°	6828.3	7261.9	10559.2	17734.4	21069.9	20298.1	10728.3	2305.0	905.5	557.1	161.7
80°	2549.0	2834.2	4583.5	9026.0	12176.2	12495.2	4718.8	871.7	602.7	448.4	82.3
82.5°	667.4	743.8	1690.5	4024.9	6240.3	6531.3	1487.7	439.5	441.0	369.0	50.0
85°	213.2	244.0	527.7	1806.7	2940.1	2581.4	388.1	213.2	320.5	274.9	27.9
87.5°	26.5	33.8	167.6	424.8	648.3	360.2	60.3	63.2	136.7	152.9	16.2
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°	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6	5168.6
2.5°	5180.4	5173.0	5174.5	5136.3	5111.3	5061.3	5009.9	4986.3	4961.3	4951.1	4961.3
5°	5206.8	5193.6	5155.4	5037.8	4912.8	4751.1	4599.7	4485.1	4341.0	4301.3	4342.5
7.5°	5248.0	5221.5	5109.8	4870.2	4592.4	4283.7	3936.7	3683.9	3476.6	3342.8	3391.4
10°	5308.3	5258.3	5033.4	4626.2	4129.3	3582.5	3090.0	2706.3	2434.4	2322.6	2318.2
12.5°	5409.7	5315.6	4939.3	4308.6	3563.3	2834.2	2188.9	1772.9	1552.3	1409.8	1406.8
15°	5521.4	5383.2	4820.2	3927.9	2904.8	2030.1	1409.8	1093.7	951.1	905.5	899.7
17.5°	5658.1	5461.2	4665.9	3459.0	2215.3	1345.1	920.2	829.1	823.2	818.8	818.8
20°	5830.1	5553.8	4467.4	2922.4	1571.5	898.2	782.1	787.9	790.9	785.0	786.5
22.5°	6030.1	5647.8	4230.7	2346.2	1062.8	751.2	748.2	755.6	758.5	755.6	757.1
25°	6262.3	5756.6	3942.6	1742.0	767.4	713.0	720.3	730.6	738.0	738.0	738.0
27.5°	6550.4	5888.9	3595.7	1215.7	663.0	673.3	693.9	713.0	723.3	726.2	726.2
30°	6925.3	6053.6	3179.7	833.5	602.7	620.4	658.6	695.3	714.4	717.4	718.8
32.5°	7398.6	6238.8	2697.5	615.9	551.3	564.5	605.7	667.4	704.1	710.0	710.0
35°	7941.1	6453.4	2178.6	536.6	514.5	518.9	551.3	621.8	686.5	702.7	704.1
37.5°	8535.0	6665.1	1656.7	501.3	483.6	483.6	507.2	567.4	643.9	693.9	699.7
40°	9089.2	6793.0	1161.3	473.3	455.7	455.7	476.3	520.4	592.4	667.4	683.6
42.5°	9600.7	6837.1	808.5	446.9	429.2	433.7	451.3	486.6	541.0	615.9	630.6
45°	10127.0	6829.7	589.5	416.0	402.8	416.0	429.2	455.7	495.4	538.0	541.0
47.5°	10523.9	6768.0	467.5	386.6	377.8	395.4	407.2	424.8	446.9	443.9	443.9
50°	10895.8	6618.1	376.3	346.9	352.8	373.4	379.3	385.1	386.6	358.7	355.7
52.5°	11178.1	6384.3	301.4	304.3	327.8	348.4	342.5	333.7	319.0	285.2	279.3
55°	11272.2	5934.5	236.7	251.4	291.1	317.5	295.5	276.4	248.4	220.5	214.6
57.5°	11101.6	5353.8	192.6	195.5	245.5	267.5	242.6	220.5	189.6	166.1	161.7
60°	10740.0	4708.5	158.8	147.0	189.6	208.7	192.6	170.5	142.6	125.0	123.5
62.5°	10022.6	4020.5	130.8	114.7	144.1	160.2	149.9	133.8	110.3	98.5	97.0
65°	8514.4	3216.4	105.8	92.6	111.7	125.0	116.1	104.4	86.7	77.9	76.4
67.5°	5943.3	2174.2	86.7	76.4	88.2	98.5	91.1	85.3	69.1	67.6	69.1
70°	2866.6	1048.1	72.0	61.7	69.1	76.4	73.5	69.1	66.2	76.4	88.2
72.5°	821.7	351.3	57.3	51.5	55.9	60.3	63.2	61.7	72.0	92.6	107.3
73°	632.1	283.7	54.4	48.5	52.9	58.8	61.7	60.3	73.5	94.1	107.3
75°	270.5	136.7	41.2	39.7	44.1	51.5	54.4	54.4	73.5	95.6	102.9
77.5°	122.0	73.5	26.5	30.9	38.2	41.2	45.6	45.6	58.8	73.5	73.5
80°	69.1	39.7	20.6	23.5	27.9	27.9	27.9	25.0	26.5	29.4	32.3
82.5°	44.1	26.5	16.2	19.1	17.6	14.7	11.8	11.8	10.3	11.8	14.7
85°	25.0	14.7	14.7	11.8	7.4	5.9	7.4	5.9	1.5	0.0	1.5
87.5°	14.7	8.8	4.4	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)