

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: P322570

Luminaire Tested: **GAN-SA6C-740-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322570  
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-740-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 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: 30042 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

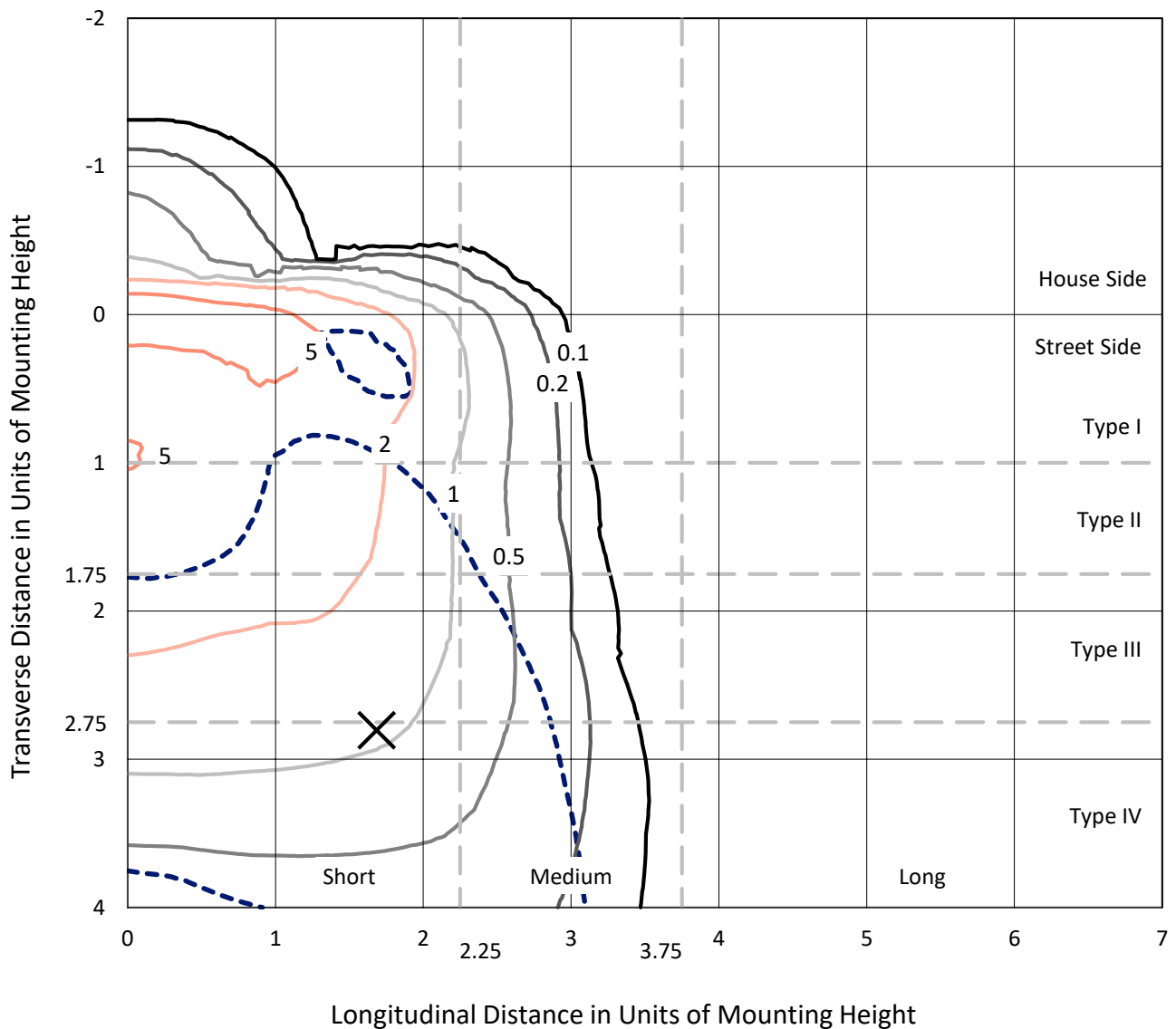
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

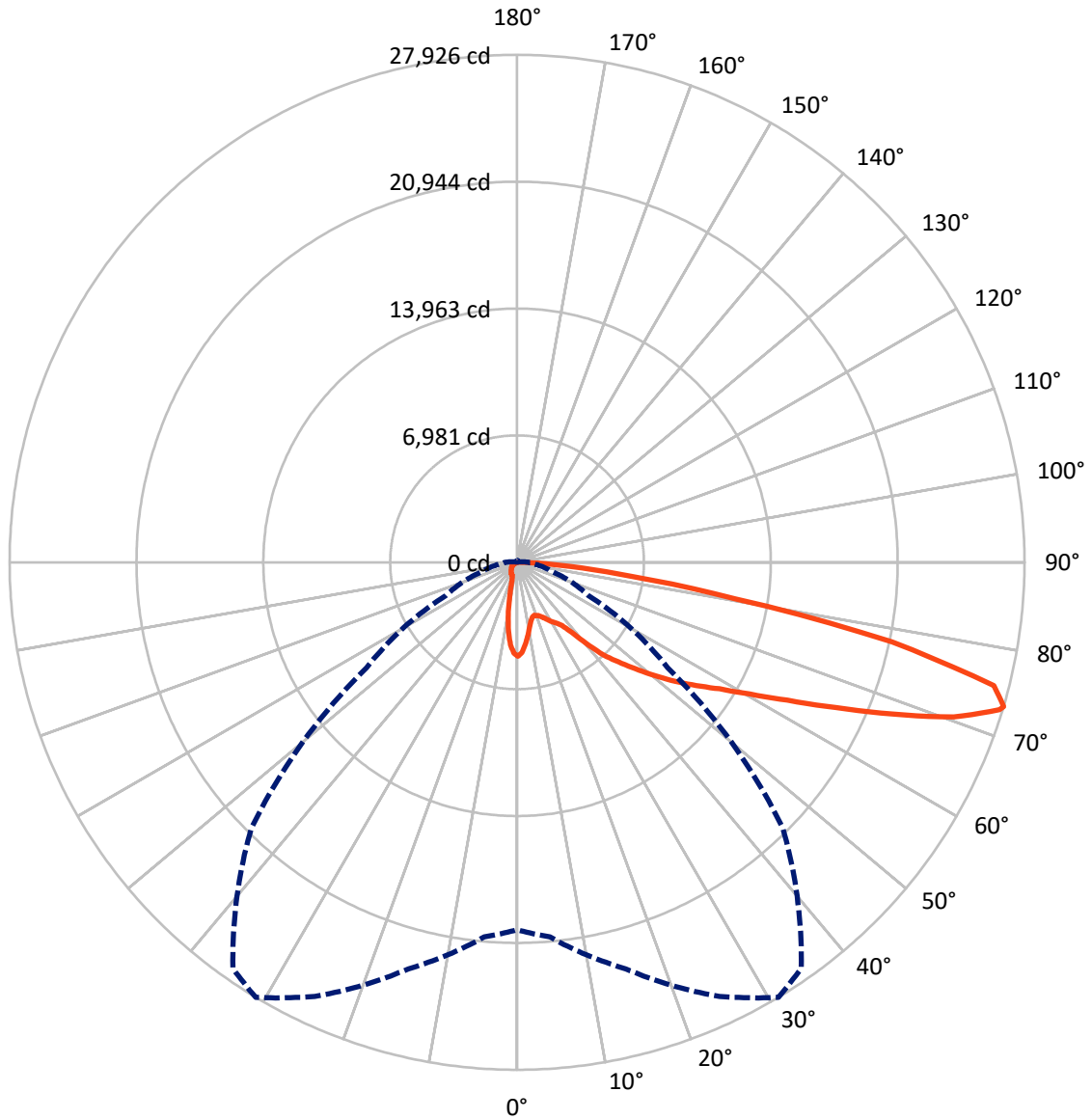
× Max cd  
 - - - 1/2 Max cd



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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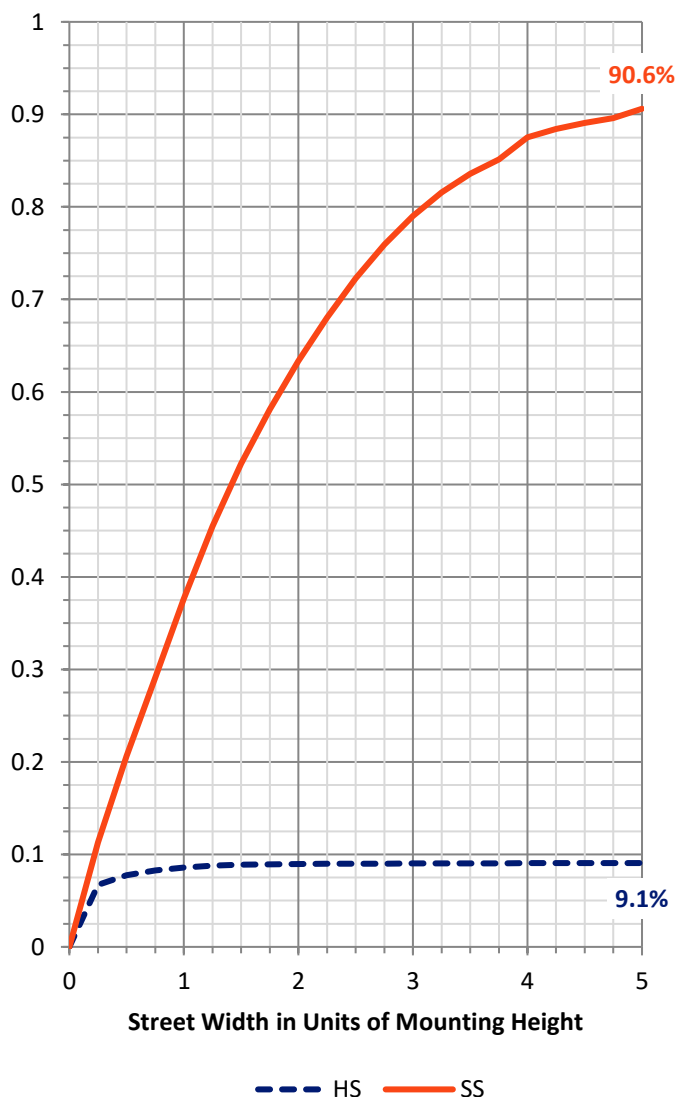
**FLUX DISTRIBUTION:**

		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	27303.6	0.0	27303.6
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	30042.0	0.0	30042.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.6	1.4
10°-20°	930.5	3.1
20°-30°	1394.2	4.6
30°-40°	2218.2	7.4
40°-50°	3961.1	13.2
50°-60°	6146.5	20.5
60°-70°	8170.9	27.2
70°-80°	6146.2	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°	30042.0	100.0
0°-180°	30042.0	100.0

**Coefficient of Utilization**



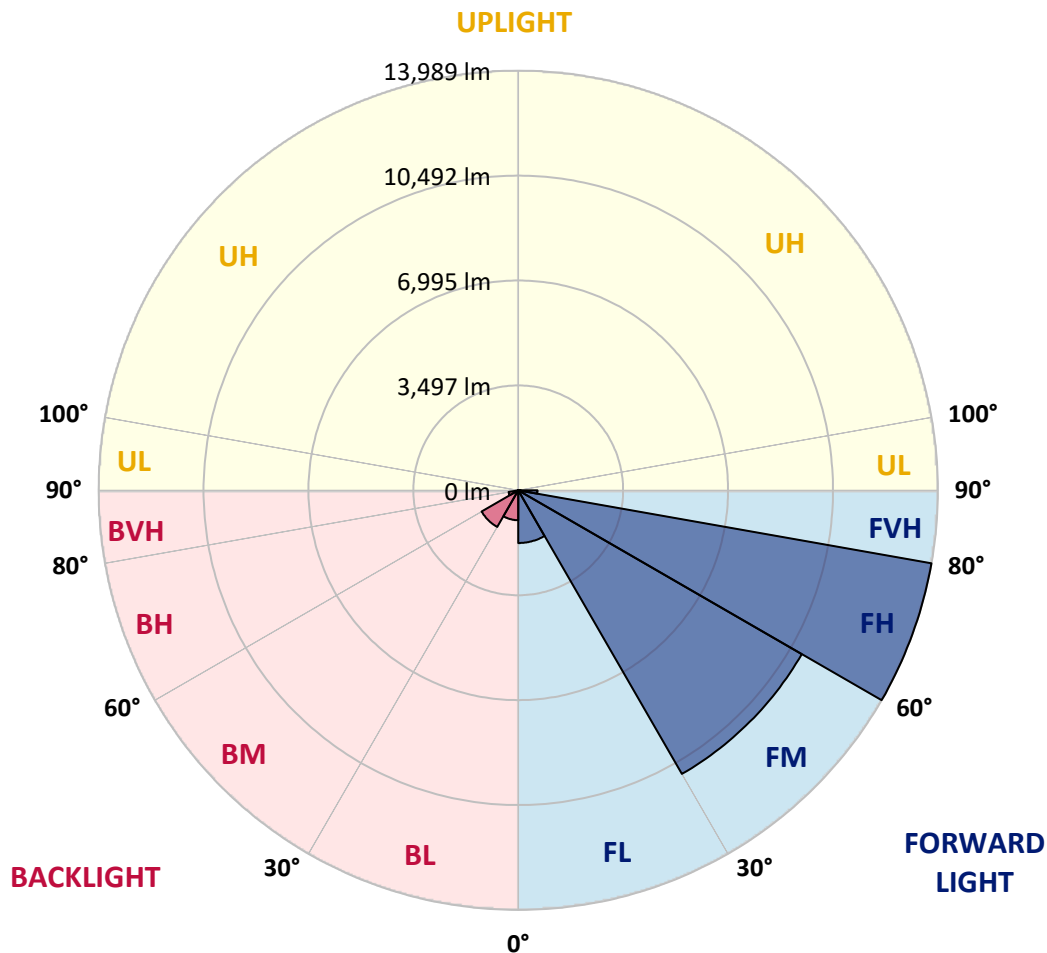
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1757.5	5.9			
FM (30°-60°)	10916.2	36.3			
FH (60°-80°)	13989.4	46.6			G5
FVH (80°-90°)	640.4	2.1			G4/750
BL (0°-30°)	995.8	3.3	B2/1000		
BM (30°-60°)	1409.6	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°	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8
2.5°	4898.3	4918.9	4940.9	4945.3	4982.1	4983.6	5036.5	5076.2	5115.9	5154.1	5167.3
5°	4395.5	4429.3	4469.0	4508.7	4586.6	4617.5	4746.9	4879.2	5005.6	5126.2	5185.0
7.5°	3858.9	3897.2	3953.0	4051.5	4138.3	4198.5	4402.9	4638.1	4873.3	5095.3	5223.2
10°	3369.4	3404.7	3463.5	3567.9	3701.7	3784.0	4058.9	4385.2	4730.7	5067.4	5280.5
12.5°	3057.8	3076.9	3109.2	3220.9	3341.5	3434.1	3757.5	4161.8	4613.1	5065.9	5373.1
15°	3000.4	3006.3	2979.8	3029.8	3123.9	3213.6	3541.4	3981.0	4523.4	5089.4	5493.7
17.5°	3091.6	3088.6	3000.4	2994.5	3069.5	3143.0	3435.6	3856.0	4460.2	5143.8	5649.5
20°	3229.8	3219.5	3066.6	3038.6	3118.0	3187.1	3428.2	3809.0	4436.7	5234.9	5839.1
22.5°	3413.5	3395.9	3156.3	3126.9	3212.1	3284.2	3519.4	3854.5	4457.3	5357.0	6059.7
25°	3641.4	3614.9	3310.6	3278.3	3365.0	3437.0	3682.5	3985.4	4519.0	5505.4	6339.0
27.5°	3898.6	3860.4	3557.6	3473.8	3572.3	3647.3	3900.1	4185.3	4616.0	5662.7	6681.5
30°	4141.2	4091.2	3817.8	3679.6	3800.1	3883.9	4135.3	4423.5	4771.9	5905.3	7150.5
32.5°	4385.2	4329.4	4050.1	3885.4	3994.2	4085.3	4377.9	4751.3	5064.4	6275.8	7773.8
35°	4946.8	4888.0	4545.5	4273.5	4272.0	4323.5	4717.5	5199.7	5451.0	6791.8	8517.6
37.5°	5892.1	5858.3	5531.9	5015.9	4877.7	4820.4	5180.5	5734.8	6006.7	7501.8	9357.0
40°	6927.0	6897.6	6531.5	6064.1	5853.8	5712.7	5845.0	6480.1	6791.8	8369.1	10214.1
42.5°	8095.7	7956.1	7303.3	7163.7	6975.5	6868.2	6749.1	7398.9	7756.1	9312.9	11063.8
45°	9157.1	8921.9	8075.1	7863.4	7820.8	7847.3	7913.4	8633.8	8841.0	10434.6	11910.6
47.5°	9789.2	9604.0	8954.2	8751.4	8739.6	8914.5	9414.4	10028.9	9921.5	11412.2	12655.9
50°	10390.5	10222.9	9683.4	9733.4	9787.8	10025.9	11118.2	11463.7	10908.0	12298.7	13339.5
52.5°	10877.1	10621.3	10339.0	10619.8	10887.4	11271.1	12876.4	12751.4	11607.7	13004.3	13924.6
55°	11157.9	11041.7	11178.5	11460.7	11963.5	12586.8	14536.1	13823.1	12119.3	13648.2	14314.1
57.5°	12186.9	11959.1	12231.0	12475.1	13130.7	14002.5	15957.7	14621.4	12488.3	14046.6	14403.8
60°	13432.1	13248.3	13408.6	13814.3	14699.3	15723.9	17286.6	15272.6	12680.9	14302.4	14171.5
62.5°	15413.7	15171.2	15071.2	15525.5	16698.6	17817.3	18295.1	15723.9	12638.2	14189.2	13374.8
65°	18068.7	17817.3	17370.4	17782.0	19274.2	20063.6	19422.6	15819.5	12344.2	13273.3	11360.7
67.5°	20788.3	20606.1	20223.8	20917.7	22264.3	22518.6	20614.9	15587.2	11397.5	10762.4	8026.6
70°	22584.8	22506.9	22755.3	24290.1	25491.1	25417.6	21708.6	14339.1	8883.7	6618.3	3970.7
72.5°	21289.6	21663.0	23497.7	26280.6	27747.7	27147.9	21147.0	11010.9	5077.6	2546.2	1148.1
73°	20216.5	20694.3	23164.0	26355.5	27925.6	27268.4	20675.2	10106.8	4327.9	2009.6	870.3
75°	14064.2	14650.8	19177.1	24545.9	27093.5	25980.7	17233.7	6186.1	2005.2	890.9	351.3
77.5°	6828.5	7262.2	10559.6	17735.0	21070.6	20298.8	10728.6	2305.1	905.6	557.2	161.7
80°	2549.1	2834.3	4583.7	9026.3	12176.6	12495.6	4718.9	871.8	602.7	448.4	82.3
82.5°	667.4	743.9	1690.6	4025.1	6240.5	6531.5	1487.7	439.6	441.0	369.0	50.0
85°	213.2	244.0	527.8	1806.7	2940.2	2581.5	388.1	213.2	320.5	274.9	27.9
87.5°	26.5	33.8	167.6	424.9	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°	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8	5168.8
2.5°	5180.5	5173.2	5174.7	5136.4	5111.5	5061.5	5010.0	4986.5	4961.5	4951.2	4961.5
5°	5207.0	5193.8	5155.6	5038.0	4913.0	4751.3	4599.9	4485.2	4341.1	4301.4	4342.6
7.5°	5248.2	5221.7	5110.0	4870.4	4592.5	4283.8	3936.9	3684.0	3476.7	3343.0	3391.5
10°	5308.4	5258.5	5033.5	4626.3	4129.4	3582.6	3090.1	2706.4	2434.4	2322.7	2318.3
12.5°	5409.9	5315.8	4939.5	4308.8	3563.5	2834.3	2188.9	1772.9	1552.4	1409.8	1406.9
15°	5521.6	5383.4	4820.4	3928.0	2904.9	2030.2	1409.8	1093.7	951.1	905.6	899.7
17.5°	5658.3	5461.3	4666.0	3459.1	2215.4	1345.1	920.3	829.1	823.2	818.8	818.8
20°	5830.3	5553.9	4467.6	2922.5	1571.5	898.2	782.1	788.0	790.9	785.0	786.5
22.5°	6030.3	5648.0	4230.9	2346.2	1062.9	751.2	748.3	755.6	758.6	755.6	757.1
25°	6262.5	5756.8	3942.7	1742.0	767.4	713.0	720.3	730.6	738.0	738.0	738.0
27.5°	6550.7	5889.1	3595.8	1215.8	663.0	673.3	693.9	713.0	723.3	726.2	726.2
30°	6925.5	6053.8	3179.8	833.5	602.7	620.4	658.6	695.3	714.5	717.4	718.9
32.5°	7398.9	6239.0	2697.6	616.0	551.3	564.5	605.7	667.4	704.2	710.0	710.0
35°	7941.4	6453.6	2178.7	536.6	514.5	518.9	551.3	621.8	686.5	702.7	704.2
37.5°	8535.3	6665.3	1656.8	501.3	483.7	483.7	507.2	567.4	643.9	693.9	699.8
40°	9089.5	6793.2	1161.4	473.4	455.7	455.7	476.3	520.4	592.4	667.4	683.6
42.5°	9601.1	6837.3	808.5	446.9	429.3	433.7	451.3	486.6	541.0	616.0	630.7
45°	10127.4	6830.0	589.5	416.0	402.8	416.0	429.3	455.7	495.4	538.0	541.0
47.5°	10524.3	6768.2	467.5	386.6	377.8	395.5	407.2	424.9	446.9	444.0	444.0
50°	10896.2	6618.3	376.3	346.9	352.8	373.4	379.3	385.2	386.6	358.7	355.8
52.5°	11178.5	6384.5	301.4	304.3	327.8	348.4	342.5	333.7	319.0	285.2	279.3
55°	11272.5	5934.7	236.7	251.4	291.1	317.5	295.5	276.4	248.4	220.5	214.6
57.5°	11102.0	5354.0	192.6	195.5	245.5	267.6	242.6	220.5	189.6	166.1	161.7
60°	10740.4	4708.7	158.8	147.0	189.6	208.8	192.6	170.5	142.6	125.0	123.5
62.5°	10023.0	4020.7	130.8	114.7	144.1	160.2	149.9	133.8	110.3	98.5	97.0
65°	8514.7	3216.5	105.8	92.6	111.7	125.0	116.1	104.4	86.7	77.9	76.4
67.5°	5943.5	2174.2	86.7	76.4	88.2	98.5	91.1	85.3	69.1	67.6	69.1
70°	2866.6	1048.2	72.0	61.7	69.1	76.4	73.5	69.1	66.2	76.4	88.2
72.5°	821.8	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)