

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: P322234

Luminaire Tested: **GAN-SA0A-740-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322234  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0A-740-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33614 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

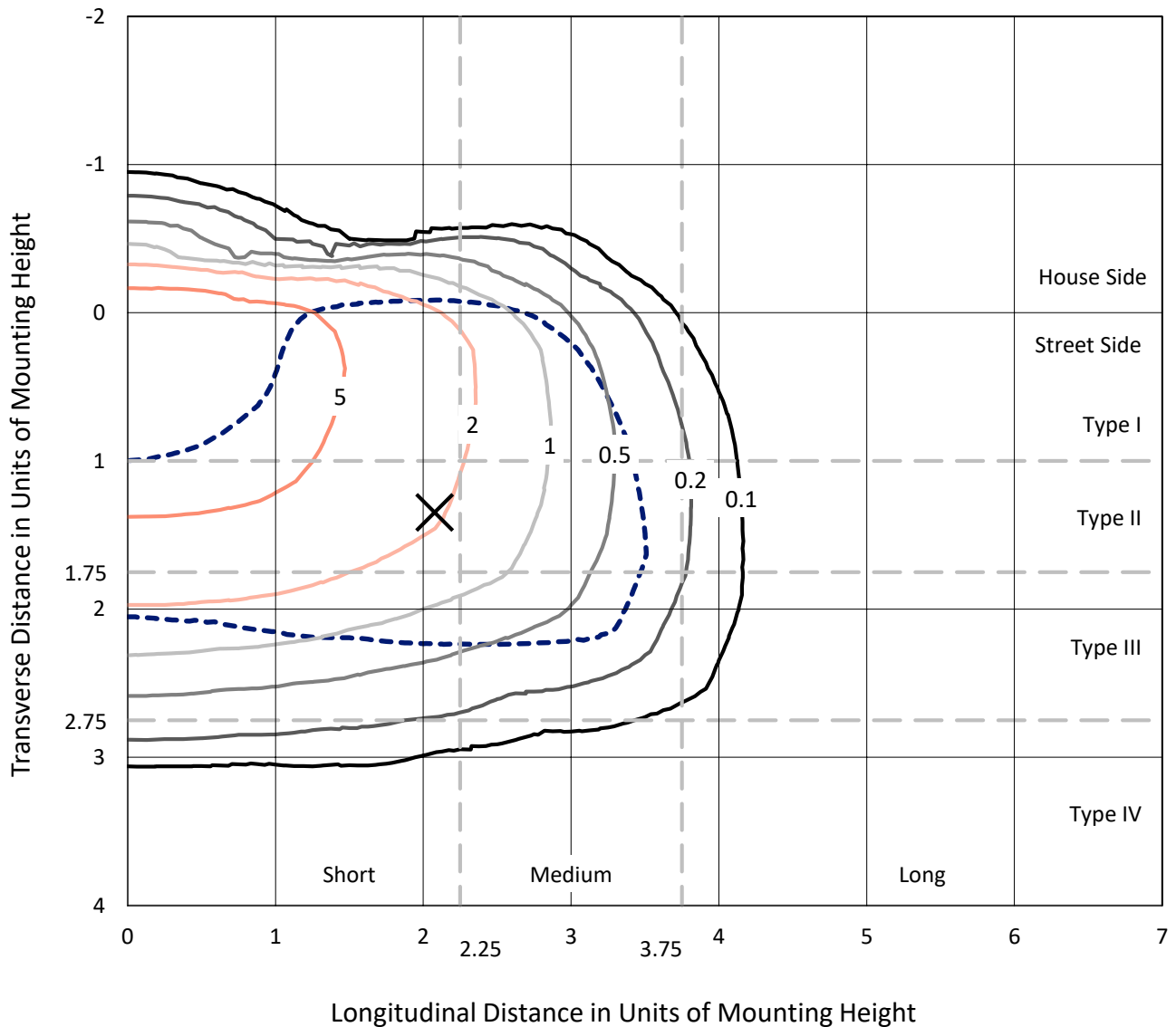
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

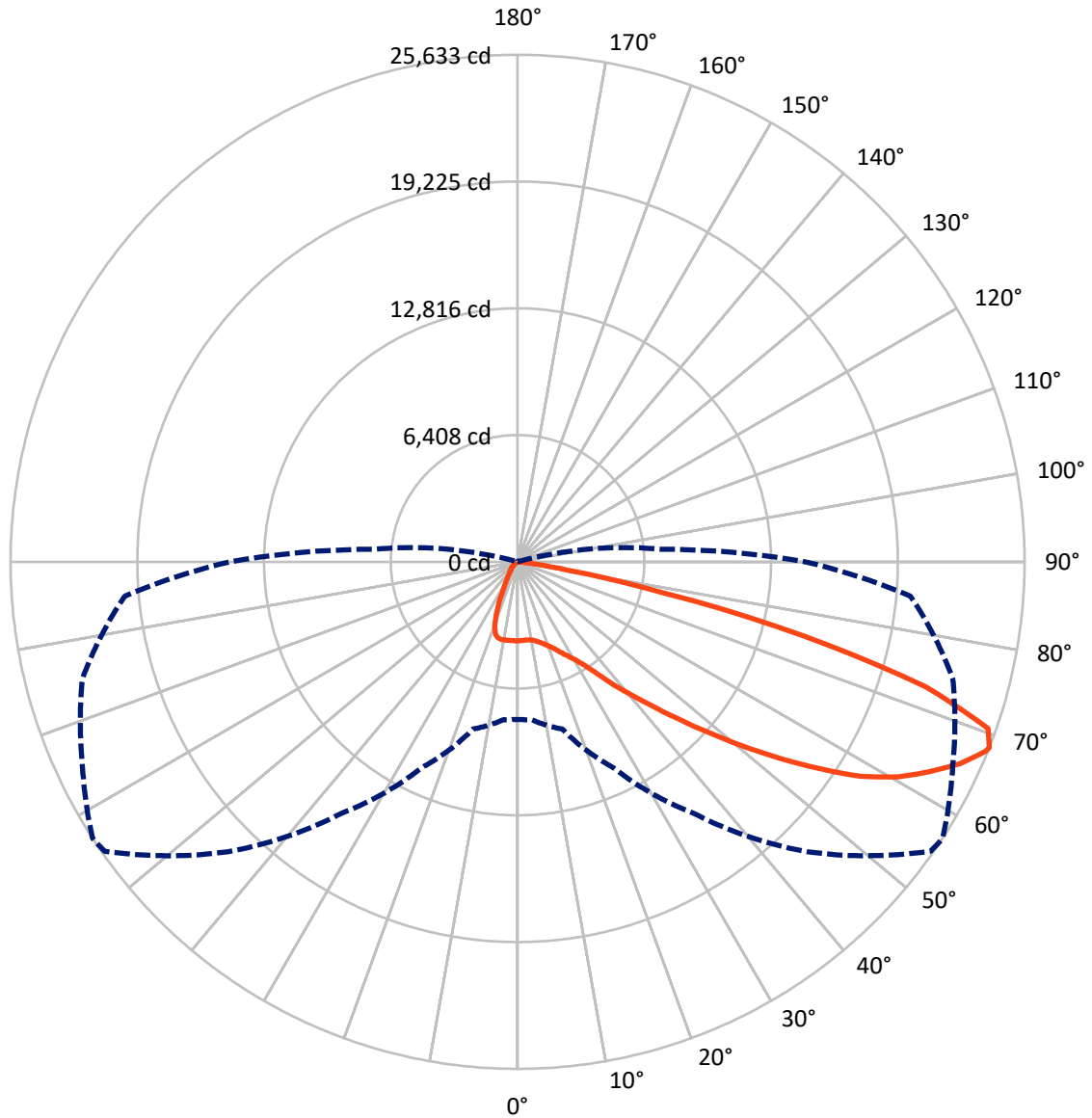
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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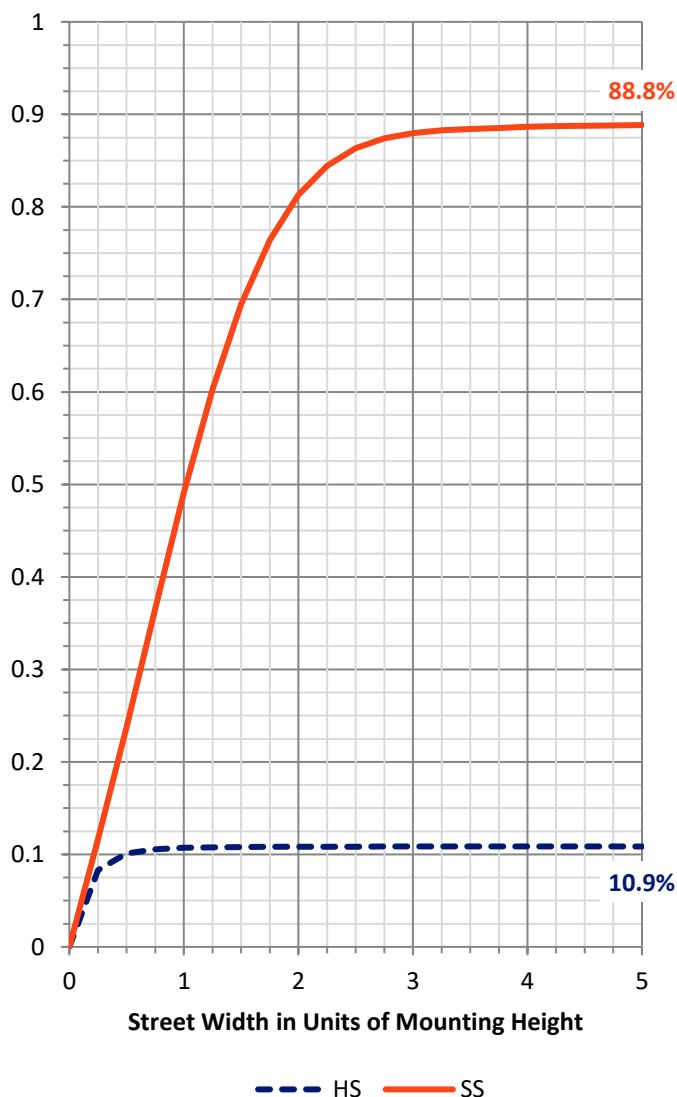
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3686.0	0.0	3686.0
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	29928.0	0.0	29928.0
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	33614.0	0.0	33614.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.8	1.1
10°-20°	1035.8	3.1
20°-30°	1786.9	5.3
30°-40°	3084.1	9.2
40°-50°	5275.4	15.7
50°-60°	8440.2	25.1
60°-70°	9751.7	29.0
70°-80°	3726.3	11.1
80°-90°	139.7	0.4
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°	33614.0	100.0
0°-180°	33614.0	100.0

**Coefficient of Utilization**



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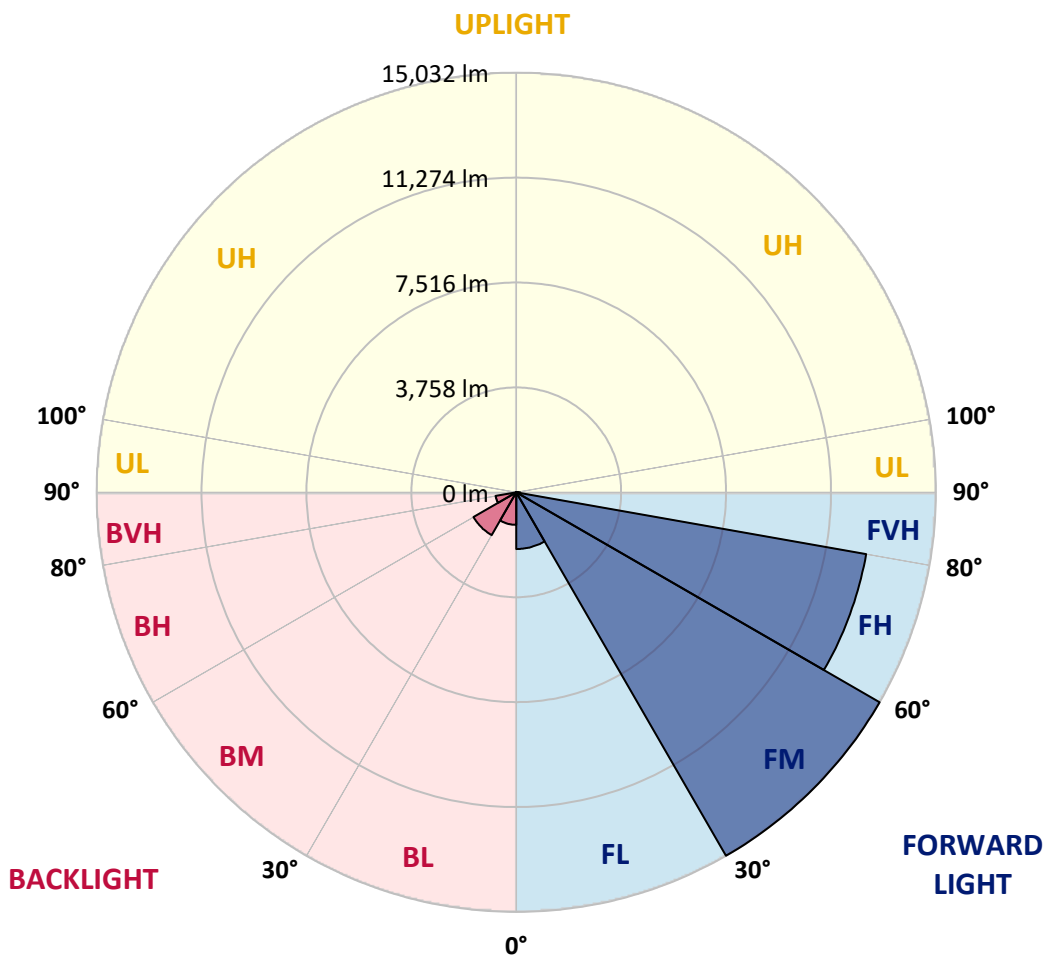
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2031.6	6.0			
FM (30°-60°)	15031.9	44.7			
FH (60°-80°)	12727.3	37.9			G5
FVH (80°-90°)	137.1	0.4			G2/225
BL (0°-30°)	1164.9	3.5	B3/2500		
BM (30°-60°)	1767.9	5.3	B2/2500		
BH (60°-80°)	750.7	2.2	B2/1000		G2/1000
BVH (80°-90°)	2.6	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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2
2.5°	3900.5	3917.9	3930.7	3938.6	3948.1	3968.8	3975.2	3984.7	3989.5	3989.5	4000.6
5°	3746.3	3765.4	3792.4	3814.6	3859.1	3916.3	3957.7	3973.6	4002.2	4027.6	4041.9
7.5°	3603.2	3625.5	3657.3	3709.7	3786.0	3878.2	3964.0	3986.3	4041.9	4096.0	4123.0
10°	3511.0	3528.5	3569.9	3644.6	3744.7	3873.4	3994.2	4021.2	4116.6	4207.2	4258.1
12.5°	3479.3	3495.1	3538.1	3622.3	3746.3	3897.3	4064.2	4103.9	4243.8	4375.7	4447.2
15°	3525.3	3528.5	3574.6	3654.1	3776.5	3956.1	4180.2	4227.9	4404.3	4576.0	4665.0
17.5°	3703.4	3689.1	3712.9	3747.9	3844.8	4034.0	4302.6	4374.1	4609.3	4811.2	4895.4
20°	4148.4	4148.4	4094.4	3999.0	4000.6	4154.8	4467.9	4548.9	4836.6	5070.3	5146.6
22.5°	4909.7	4895.4	4787.4	4553.7	4339.1	4363.0	4669.7	4774.6	5110.0	5359.5	5385.0
25°	5825.2	5807.8	5640.9	5311.9	4939.9	4699.9	4943.1	5063.9	5435.8	5656.8	5604.3
27.5°	6794.8	6780.5	6615.2	6206.7	5677.4	5237.2	5268.9	5383.4	5768.0	5985.8	5818.9
30°	7734.2	7738.9	7575.2	7155.6	6556.4	5922.2	5682.2	5749.0	6090.7	6311.6	6073.2
32.5°	8627.4	8633.8	8492.3	8023.4	7463.9	6718.5	6254.4	6236.9	6465.8	6683.5	6410.2
35°	9423.7	9439.6	9342.7	8978.7	8385.8	7605.4	6996.7	6955.3	6998.2	7244.6	6926.7
37.5°	10191.4	10200.9	10127.8	9821.1	9325.2	8579.7	7934.4	7875.6	7783.4	7972.6	7608.6
40°	11032.2	11008.4	10924.1	10646.0	10220.0	9655.8	8942.1	8840.4	8679.9	8848.3	8505.0
42.5°	11814.2	11787.2	11801.5	11486.8	11127.6	10762.0	10116.7	9941.9	9848.1	10042.0	9604.9
45°	12791.7	12777.4	12825.1	12551.7	12260.8	11995.4	11462.9	11272.2	11230.9	11458.2	10935.3
47.5°	13756.5	13791.5	13939.3	13823.2	13705.6	13472.0	12888.7	12802.8	12828.3	13103.2	12338.7
50°	14560.7	14602.1	15007.4	15140.9	15310.9	15174.3	14589.3	14536.9	14637.0	14885.0	13848.7
52.5°	15142.5	15226.7	15730.6	16345.7	16965.5	17057.7	16474.4	16426.7	16561.8	16600.0	15015.3
55°	15546.2	15620.9	16191.5	17316.8	18578.8	18976.2	18613.8	18429.4	18404.0	18027.3	16242.4
57.5°	15617.7	15609.8	16429.9	17944.6	19844.0	20869.2	20640.3	20459.1	19937.8	19346.5	17649.0
60°	15214.0	15260.1	16212.2	18162.4	20638.7	22301.2	22318.7	22083.5	21271.3	20629.2	19012.7
62.5°	13971.1	14158.6	15120.2	17591.8	20629.2	22878.2	23548.9	23369.3	22398.2	21679.8	20395.5
65°	11955.7	12022.4	12939.5	15636.8	19235.2	22636.6	24656.8	24590.0	23413.8	22700.2	21106.0
67.5°	8730.7	8586.1	9549.3	12313.3	16285.3	21228.4	25451.5	25535.7	24197.4	22910.0	20349.4
68°	7967.8	8010.7	8760.9	11491.6	15512.8	20730.9	25503.9	25632.7	24275.3	22773.3	19936.2
70°	4749.2	4831.9	5501.0	7912.2	11801.5	17916.0	24938.1	25232.1	23811.2	21363.5	17243.7
72.5°	1212.7	1311.3	1943.9	3541.2	6740.8	12623.2	21052.0	21549.4	20673.7	17331.1	11641.0
75°	499.1	524.5	694.6	1166.6	2511.3	5687.0	13875.7	14940.6	14331.9	10375.8	5261.0
77.5°	344.9	362.4	446.6	646.9	1087.2	1928.0	6802.7	7572.0	6821.8	3541.2	1147.6
80°	248.0	262.3	319.5	430.7	624.6	688.2	2217.3	2563.7	2036.1	777.2	284.5
82.5°	147.8	158.9	238.4	306.8	379.9	329.0	551.5	626.2	589.7	386.2	127.2
85°	73.1	85.8	160.5	219.3	205.0	138.3	168.5	187.6	232.1	235.2	68.3
87.5°	4.8	9.5	93.8	131.9	57.2	31.8	49.3	60.4	82.7	116.0	28.6
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°	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2	3994.2
2.5°	4005.4	4006.9	3995.8	3991.1	3994.2	3975.2	3967.2	3970.4	3970.4	3975.2	3967.2
5°	4045.1	4045.1	4026.0	4000.6	3986.3	3949.7	3925.9	3919.5	3914.8	3911.6	3905.2
7.5°	4130.9	4121.4	4088.0	4032.4	3984.7	3905.2	3844.8	3813.0	3797.1	3790.8	3786.0
10°	4269.2	4251.7	4196.1	4092.8	3983.1	3841.6	3709.7	3615.9	3538.1	3506.3	3487.2
12.5°	4455.2	4429.7	4336.0	4164.3	3972.0	3711.3	3425.2	3150.2	2894.3	2789.4	2737.0
15°	4669.7	4633.2	4485.4	4224.7	3906.8	3417.3	2795.8	2314.2	1959.8	1826.3	1769.0
17.5°	4887.5	4839.8	4615.7	4262.8	3711.3	2808.5	1961.4	1481.3	1244.5	1180.9	1158.7
20°	5106.8	5036.9	4728.5	4234.2	3269.5	2024.9	1293.8	1082.4	1014.1	995.0	988.6
22.5°	5315.0	5207.0	4830.3	4123.0	2589.2	1359.0	1023.6	956.8	934.6	923.5	920.3
25°	5496.2	5345.2	4919.3	3779.7	1832.6	1026.8	921.9	899.6	871.0	850.3	851.9
27.5°	5666.3	5483.5	4973.3	3213.8	1222.3	877.4	853.5	823.3	770.9	740.7	740.7
30°	5871.3	5667.9	5013.1	2473.1	899.6	775.6	756.6	710.5	638.9	599.2	599.2
32.5°	6179.7	5947.6	4987.6	1735.7	745.4	681.9	637.4	573.8	495.9	457.8	456.2
35°	6651.8	6380.0	4806.4	1138.0	658.0	592.9	521.3	443.5	375.1	343.3	341.7
37.5°	7287.5	6958.5	4399.5	813.8	589.7	510.2	424.4	338.5	287.7	267.0	265.4
40°	8112.4	7630.8	3817.8	659.6	526.1	430.7	327.4	262.3	227.3	211.4	213.0
42.5°	9102.6	8350.8	3120.0	569.0	464.1	354.4	255.9	206.6	184.4	173.2	170.1
45°	10202.5	9061.3	2388.9	507.0	402.1	286.1	200.3	163.7	146.2	139.9	139.9
47.5°	11412.1	9752.7	1748.4	453.0	335.4	220.9	160.5	133.5	119.2	114.4	112.8
50°	12510.4	10232.7	1260.4	395.8	275.0	174.8	130.3	111.3	101.7	95.4	95.4
52.5°	13425.9	10383.7	928.2	333.8	222.5	139.9	108.1	95.4	85.8	81.1	81.1
55°	14231.7	10321.7	689.8	275.0	179.6	114.4	92.2	81.1	73.1	68.3	68.3
57.5°	15004.2	10121.5	515.0	224.1	144.6	92.2	77.9	68.3	60.4	57.2	57.2
60°	15635.2	9787.7	383.1	181.2	116.0	74.7	65.2	55.6	49.3	44.5	44.5
62.5°	16147.0	9418.9	281.3	149.4	92.2	58.8	50.9	46.1	36.6	31.8	31.8
65°	16150.2	8807.0	211.4	124.0	71.5	46.1	38.1	36.6	23.8	19.1	17.5
67.5°	14981.9	7592.7	162.1	106.5	55.6	35.0	28.6	30.2	12.7	7.9	6.4
68°	14557.6	7284.3	152.6	104.9	52.5	33.4	27.0	30.2	11.1	6.4	4.8
70°	12273.6	5795.0	122.4	101.7	46.1	25.4	22.3	30.2	9.5	4.8	3.2
72.5°	7850.2	3363.2	90.6	81.1	35.0	19.1	14.3	27.0	9.5	3.2	1.6
75°	3341.0	1042.7	62.0	57.2	20.7	14.3	9.5	17.5	6.4	1.6	0.0
77.5°	704.1	235.2	36.6	35.0	14.3	9.5	6.4	4.8	1.6	0.0	0.0
80°	181.2	68.3	19.1	17.5	7.9	4.8	3.2	0.0	0.0	0.0	0.0
82.5°	57.2	27.0	11.1	7.9	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.6	15.9	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	4.8	1.6	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)