

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: P319327

Luminaire Tested: **GAN-SA3C-730-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3C-730-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19265 lumens  
Efficiency: N/A  
Efficacy: 116.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

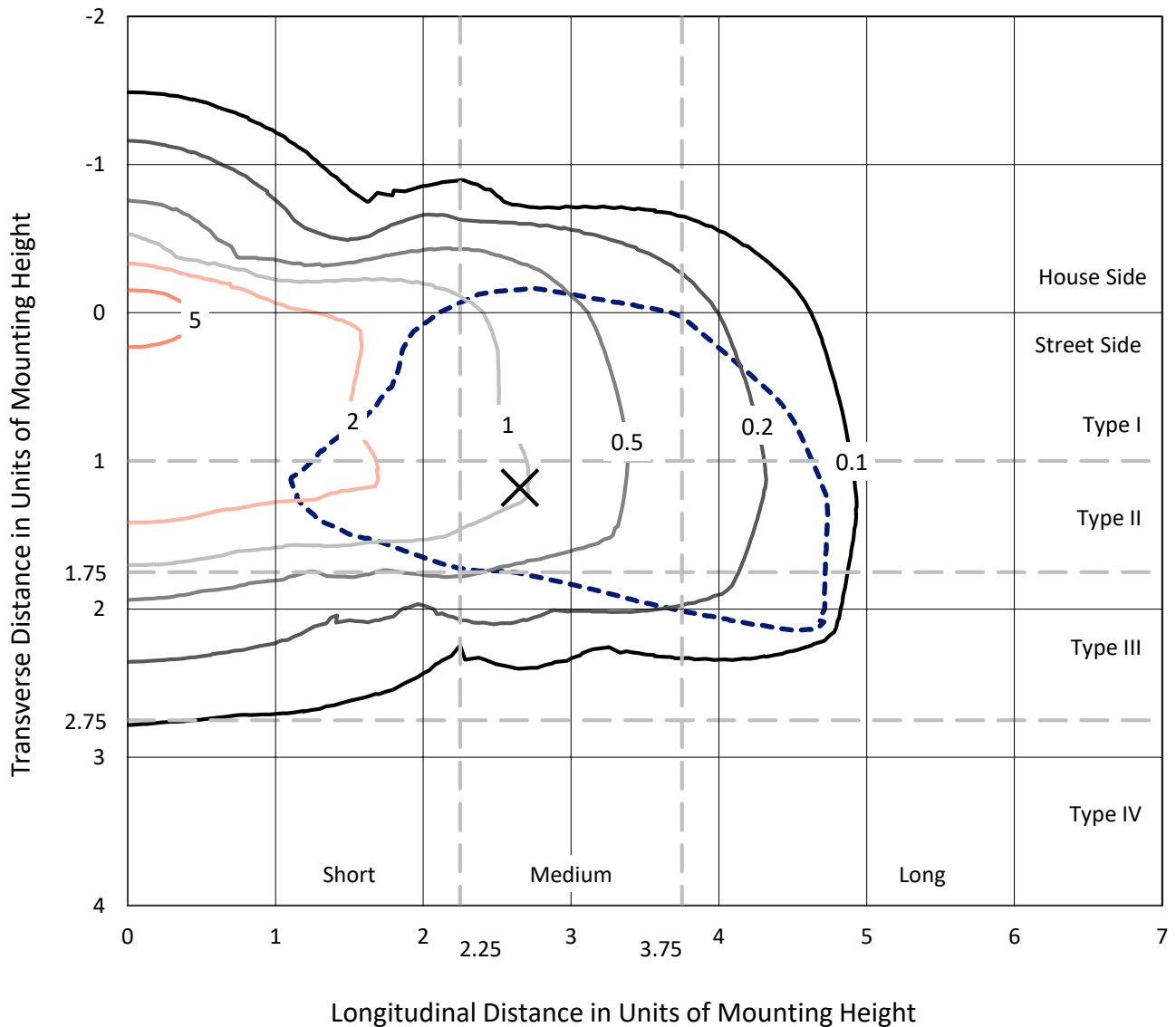
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

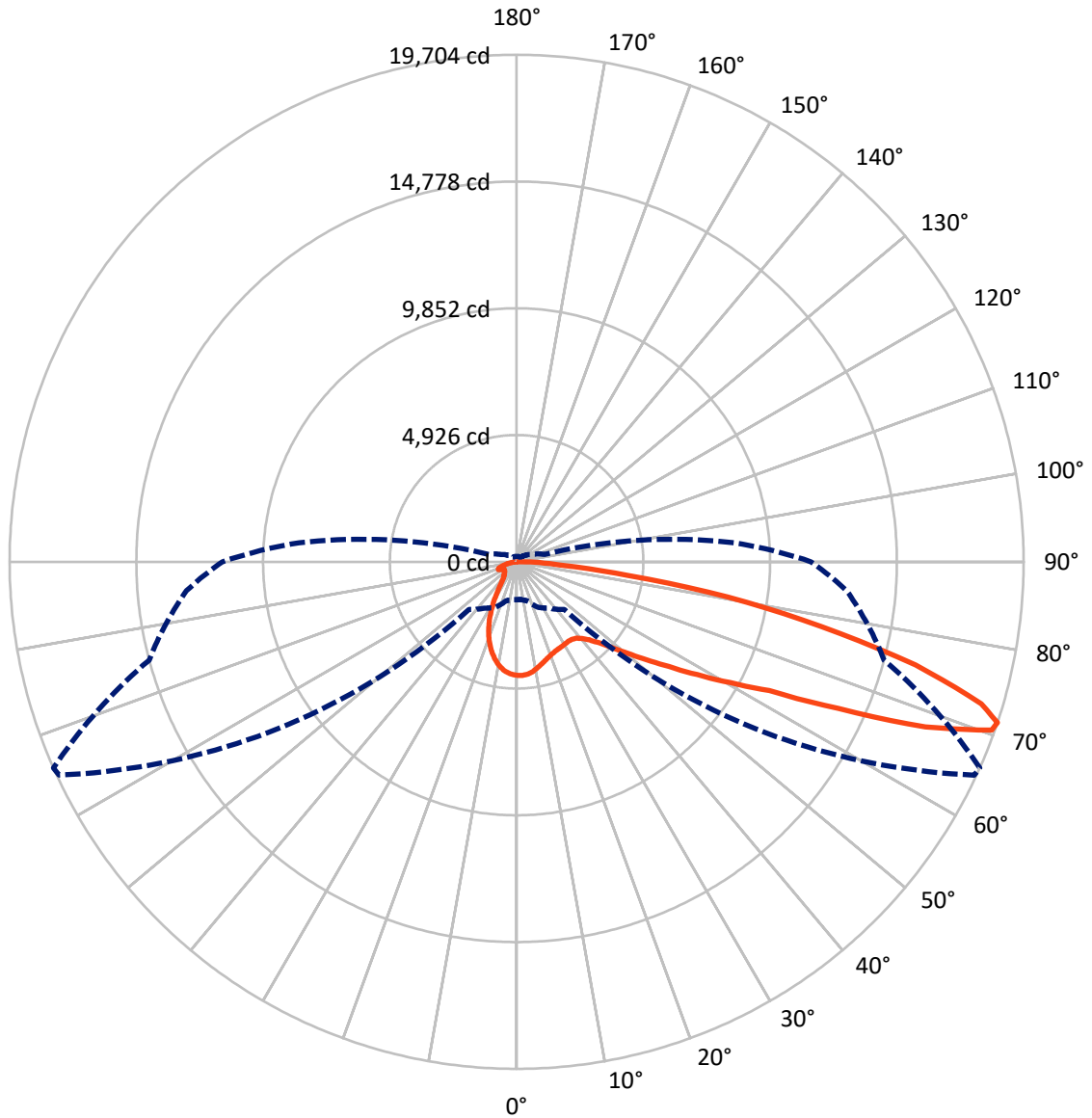
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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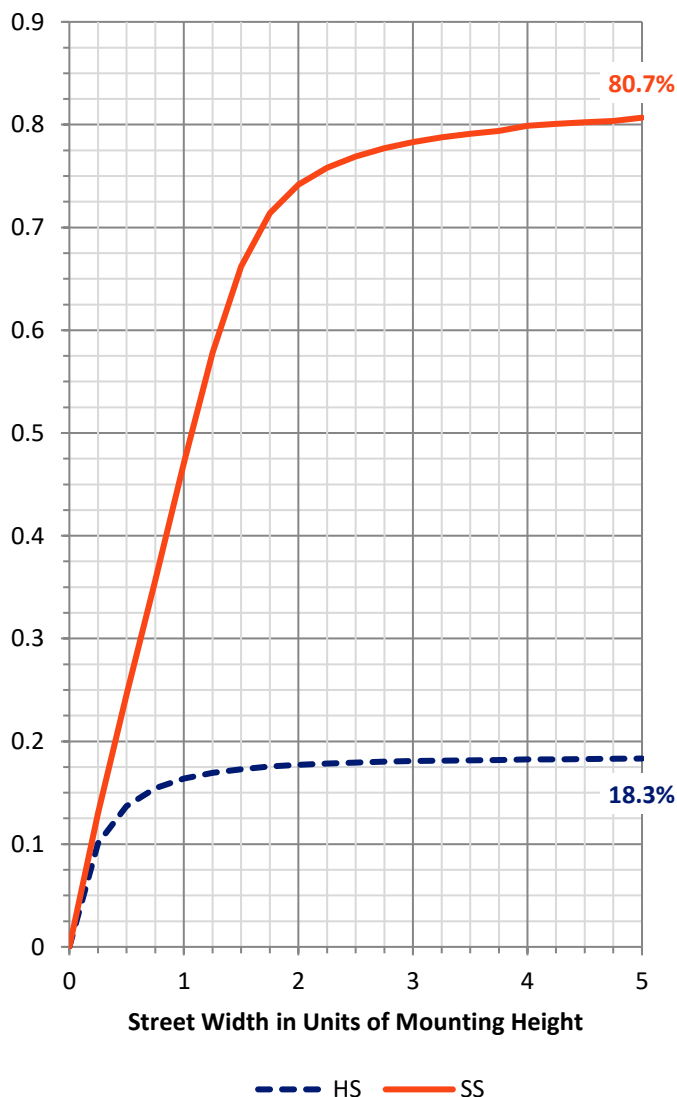
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3570.3	0.0	3570.3
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	15694.7	0.0	15694.7
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	19265.0	0.0	19265.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.5	2.0
10°-20°	931.7	4.8
20°-30°	1251.5	6.5
30°-40°	1646.4	8.5
40°-50°	2395.0	12.4
50°-60°	3741.3	19.4
60°-70°	4686.6	24.3
70°-80°	3574.8	18.6
80°-90°	649.1	3.4
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°	19265.0	100.0
0°-180°	19265.0	100.0

**Coefficient of Utilization**

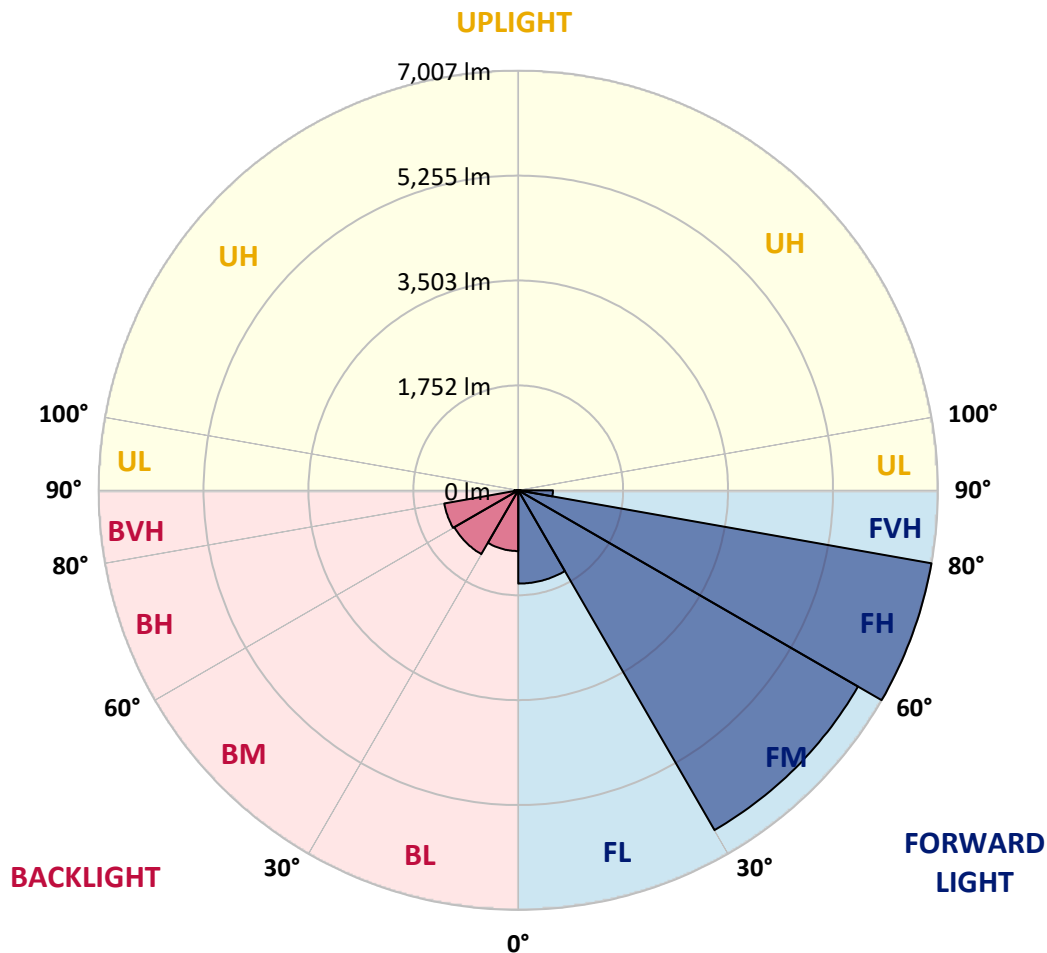


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1557.8	8.1			
FM (30°-60°)	6551.1	34.0			
FH (60°-80°)	7006.9	36.4			G3/7500
FVH (80°-90°)	578.9	3.0			G4/750
BL (0°-30°)	1013.9	5.3	B3/2500		
BM (30°-60°)	1231.6	6.4	B2/2500		
BH (60°-80°)	1254.5	6.5	B3/2500		G3/2500
BVH (80°-90°)	70.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2
2.5°	4331.4	4324.8	4344.7	4365.3	4373.3	4386.6	4406.6	4417.9	4417.2	4419.2	4412.6
5°	4044.1	4035.4	4075.3	4107.9	4170.5	4241.0	4326.8	4388.0	4389.3	4423.9	4433.2
7.5°	3772.0	3766.1	3811.9	3864.5	3937.0	4044.7	4183.8	4315.5	4323.4	4417.2	4449.8
10°	3553.9	3552.5	3597.1	3654.3	3738.8	3859.2	4018.8	4211.7	4223.7	4385.3	4452.5
12.5°	3383.6	3386.3	3424.8	3490.0	3579.1	3704.9	3877.8	4095.3	4114.6	4334.8	4437.2
15°	3257.9	3268.5	3299.8	3365.6	3453.4	3581.1	3758.7	3987.5	4016.8	4278.2	4428.5
17.5°	3186.0	3198.0	3220.0	3274.5	3357.0	3480.0	3648.3	3899.1	3925.7	4235.0	4429.2
20°	3164.8	3174.7	3187.4	3220.6	3290.5	3402.2	3561.2	3819.3	3847.9	4200.4	4435.9
22.5°	3206.7	3214.0	3215.3	3212.7	3255.2	3346.3	3498.0	3760.7	3791.3	4177.8	4440.5
25°	3296.5	3306.4	3299.1	3274.5	3260.5	3316.4	3465.4	3722.2	3752.7	4161.1	4431.2
27.5°	3431.5	3432.8	3426.8	3394.9	3329.1	3319.7	3455.4	3699.5	3728.8	4141.9	4411.9
30°	3615.1	3623.7	3613.1	3569.8	3462.1	3373.0	3467.4	3677.6	3704.2	4117.2	4380.6
32.5°	3829.9	3851.2	3850.5	3805.3	3651.0	3492.0	3516.6	3664.3	3684.9	4091.3	4342.7
35°	4052.7	4082.0	4136.5	4117.2	3926.4	3680.2	3611.1	3685.6	3699.5	4088.0	4316.1
37.5°	4284.2	4313.5	4425.9	4477.8	4254.3	3949.6	3760.1	3760.7	3767.4	4128.6	4314.1
40°	4526.3	4557.6	4726.5	4861.5	4679.3	4290.9	4000.2	3917.7	3910.4	4228.3	4353.4
42.5°	4865.5	4893.5	5096.3	5268.6	5150.9	4727.9	4332.1	4159.8	4144.5	4423.9	4479.1
45°	5294.6	5318.5	5534.0	5718.3	5657.7	5226.7	4749.1	4493.1	4490.4	4749.8	4733.8
47.5°	5804.7	5823.3	6016.9	6195.2	6217.1	5800.7	5273.3	5007.2	4964.0	5196.8	5128.3
50°	6336.2	6356.8	6488.5	6680.1	6843.0	6569.0	5947.7	5637.1	5579.2	5786.8	5687.0
52.5°	6688.0	6715.3	6829.7	7072.5	7546.7	7411.0	6745.2	6400.7	6312.9	6501.8	6425.3
55°	6531.1	6592.3	6767.2	7156.3	8109.5	8697.4	7729.0	7291.3	7192.2	7349.2	7304.0
57.5°	5817.4	5901.2	6140.0	6740.6	8188.6	9830.8	9216.3	8340.3	8270.4	8225.2	8245.8
60°	4513.0	4593.5	4889.5	5672.4	7637.2	10658.3	11454.5	9633.3	9532.2	9104.5	9123.1
62.5°	3194.0	3153.5	3356.3	3929.0	6205.8	10755.4	14001.3	11362.7	11030.1	10033.1	9951.2
65°	2435.8	2426.4	2517.6	2699.8	3758.7	9593.4	15518.5	14269.4	13749.9	11125.2	10932.3
67.5°	2001.4	1984.8	2074.6	2340.0	2420.5	6189.2	15551.8	17641.6	17131.5	12484.8	12067.1
70°	1645.6	1626.9	1710.8	2053.3	2236.9	3138.8	13088.7	19616.5	19589.2	14206.2	12923.8
71°	1475.3	1462.0	1562.4	1942.9	2197.6	2616.0	11300.8	19621.8	19703.6	14788.8	12873.2
72.5°	1201.3	1205.9	1312.3	1729.4	2168.4	2310.0	8305.7	18707.2	18880.1	15344.2	12413.6
75°	798.2	802.2	941.8	1330.3	2102.5	2260.2	4564.9	15697.4	16015.4	15011.7	11327.4
77.5°	536.1	534.8	629.9	912.6	1831.8	2260.2	2676.5	11740.5	12089.7	11944.7	8732.7
80°	369.2	366.5	433.7	629.9	1386.8	2287.4	2069.3	8227.8	8333.6	6450.6	3549.2
82.5°	226.1	228.1	283.4	445.0	943.8	2058.6	1953.5	4486.4	4371.3	1809.2	886.6
85°	129.7	129.0	180.9	301.3	605.9	1737.4	1905.0	1930.9	1771.3	544.8	320.6
87.5°	46.6	49.9	97.1	167.0	347.2	1209.9	1616.3	1004.4	905.3	246.1	145.0
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°	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2	4413.2
2.5°	4407.9	4411.9	4407.3	4380.6	4358.0	4321.4	4300.8	4272.2	4263.6	4259.6	4270.2
5°	4424.5	4425.9	4386.6	4316.8	4238.3	4145.9	4079.3	3997.5	3958.9	3942.3	3953.0
7.5°	4439.8	4433.9	4348.1	4214.4	4069.4	3908.4	3765.4	3634.4	3557.9	3526.6	3529.3
10°	4441.8	4416.6	4278.9	4072.0	3847.2	3611.1	3391.6	3189.4	3061.7	2978.5	3003.8
12.5°	4421.2	4378.7	4177.1	3887.8	3575.8	3253.9	2957.2	2653.9	2471.7	2387.2	2389.9
15°	4405.3	4328.1	4052.1	3670.9	3251.9	2825.5	2420.5	2063.9	1869.7	1783.3	1742.7
17.5°	4392.0	4273.6	3907.1	3426.8	2869.4	2328.7	1841.8	1523.8	1417.4	1392.1	1381.5
20°	4373.3	4215.7	3745.4	3144.1	2433.8	1772.6	1344.9	1187.9	1188.6	1217.9	1221.9
22.5°	4347.4	4149.8	3573.2	2826.9	1966.2	1291.0	1054.3	1009.0	1054.9	1110.8	1120.8
25°	4308.8	4072.0	3381.6	2476.3	1499.2	992.4	900.6	898.6	954.5	1013.0	1021.7
27.5°	4254.3	3970.3	3168.8	2099.9	1104.8	843.4	806.8	820.8	862.0	904.6	907.9
30°	4181.1	3851.9	2934.0	1702.8	866.0	750.9	747.0	759.6	784.9	814.8	817.5
32.5°	4100.6	3731.5	2683.2	1318.3	741.6	701.1	705.1	711.0	723.0	735.0	737.6
35°	4027.5	3608.4	2426.4	1001.7	682.4	668.5	665.8	664.5	665.8	661.8	662.5
37.5°	3980.2	3506.6	2159.1	797.5	648.5	639.9	631.9	621.9	610.6	604.0	605.3
40°	3962.9	3430.8	1888.3	689.1	620.6	614.6	599.3	578.0	564.7	560.7	560.7
42.5°	4009.5	3391.6	1626.9	634.5	597.3	587.3	562.0	537.4	527.5	526.8	526.1
45°	4151.8	3407.5	1378.2	604.6	576.0	556.7	523.5	502.8	496.2	497.5	496.9
47.5°	4407.3	3508.0	1165.3	584.7	554.7	529.5	492.2	475.6	467.6	467.6	468.3
50°	4841.6	3742.8	995.7	568.0	536.8	504.2	469.6	449.0	438.3	437.7	437.7
52.5°	5474.1	4163.1	890.0	554.1	516.8	481.6	447.0	421.0	408.4	405.7	404.4
55°	6267.0	4765.8	860.7	544.8	490.2	457.0	419.7	393.8	379.8	373.8	373.1
57.5°	7153.6	5498.8	918.6	533.4	462.9	427.7	389.8	365.2	350.5	343.2	342.5
60°	8050.9	6298.9	1154.7	517.5	440.3	395.8	359.2	336.6	321.9	313.9	312.6
62.5°	8949.5	7142.3	1636.9	516.2	424.4	365.2	327.9	308.6	294.7	286.0	284.0
65°	9963.2	8065.6	2185.0	551.4	419.0	337.2	296.0	280.7	268.7	260.7	260.1
67.5°	11127.2	9107.8	2132.5	623.9	437.0	312.0	266.1	254.1	245.4	238.8	238.1
70°	11673.3	8944.9	1325.6	675.1	462.3	287.3	237.5	228.8	222.2	217.5	215.5
71°	11444.5	8493.2	1111.5	669.1	459.6	276.7	226.1	219.5	212.8	208.9	206.9
72.5°	10820.6	7745.6	927.2	622.6	429.7	257.4	211.5	204.9	198.9	194.2	192.9
75°	9709.8	6917.5	742.3	497.5	342.5	217.5	185.6	178.3	173.6	170.9	168.3
77.5°	7137.7	4936.7	574.0	393.1	252.1	177.6	158.3	153.0	148.3	144.3	142.3
80°	2734.4	1912.3	386.4	293.3	184.9	140.3	127.7	125.0	120.4	117.7	117.7
82.5°	736.3	571.4	206.2	177.6	123.7	102.4	97.8	96.4	92.5	87.1	87.8
85°	298.0	252.1	115.7	97.8	75.8	60.5	65.8	66.5	61.9	55.2	55.9
87.5°	131.0	107.1	64.5	43.2	33.3	23.3	29.9	29.9	27.3	22.6	20.6
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)