

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: P319968

Luminaire Tested: **GAN-SA4C-730-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319968  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4C-730-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24690 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

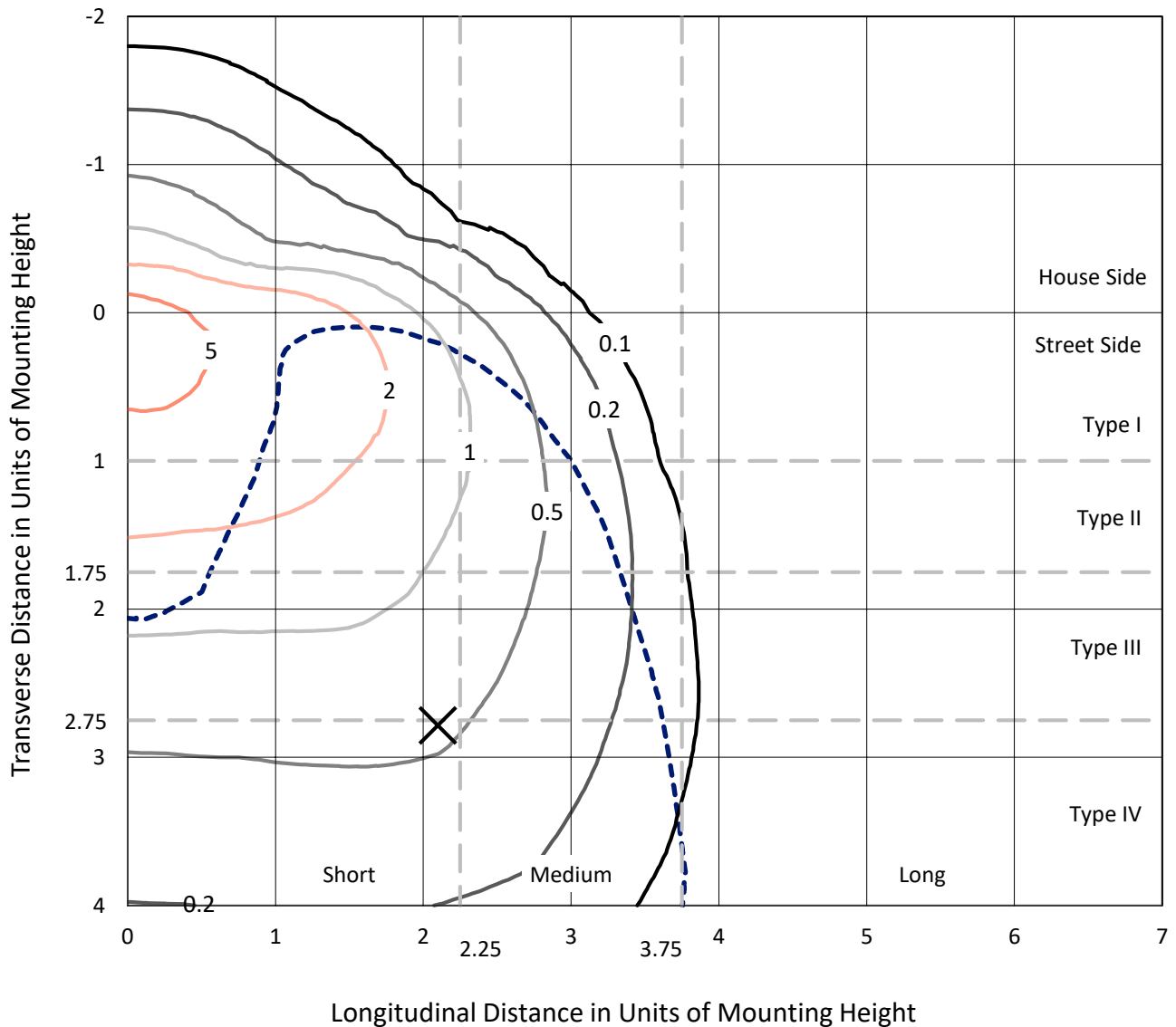
Input Watts (W): 225  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

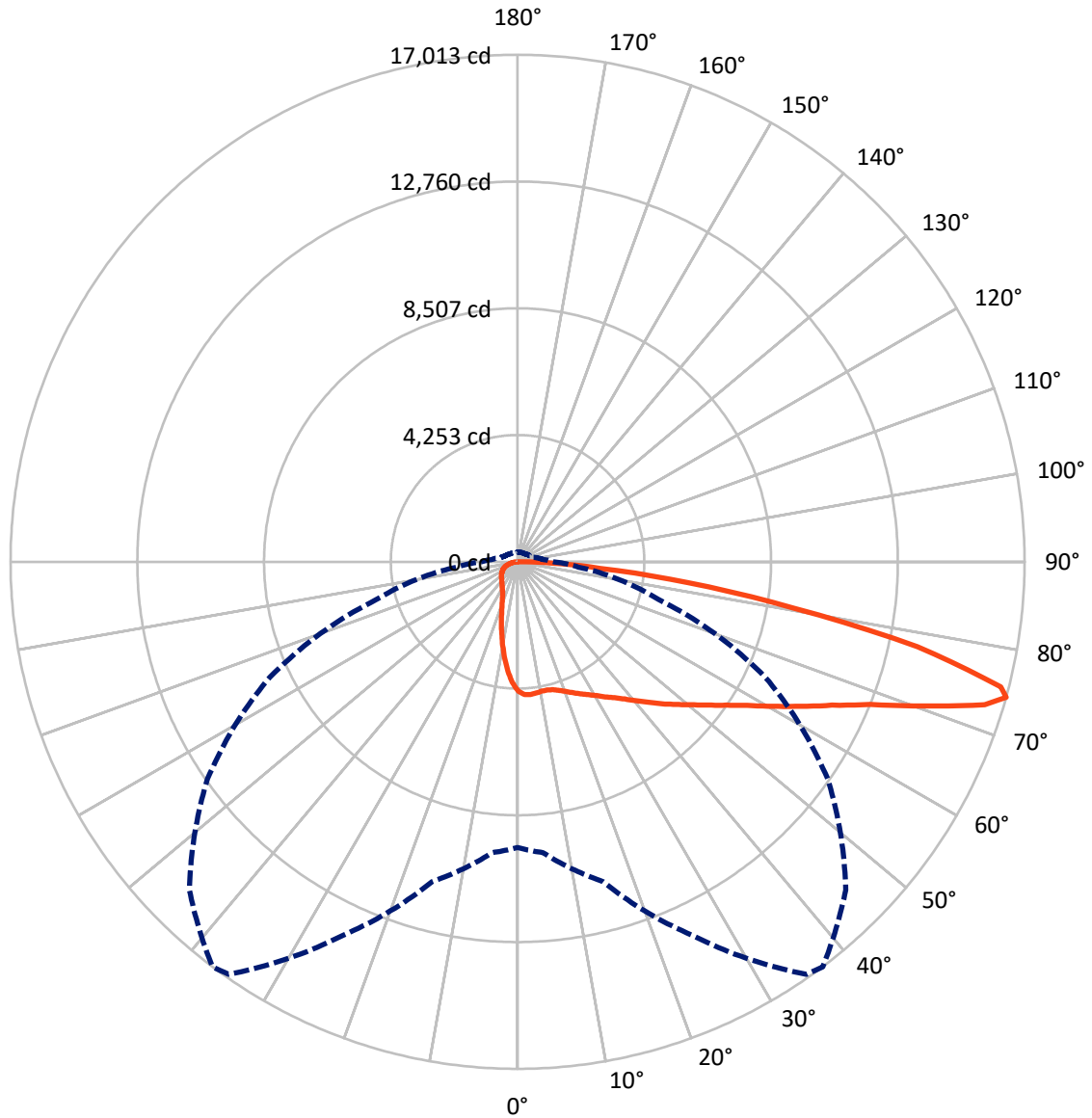
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral    - - - Horizontal Cone Through 74-Deg Vertical

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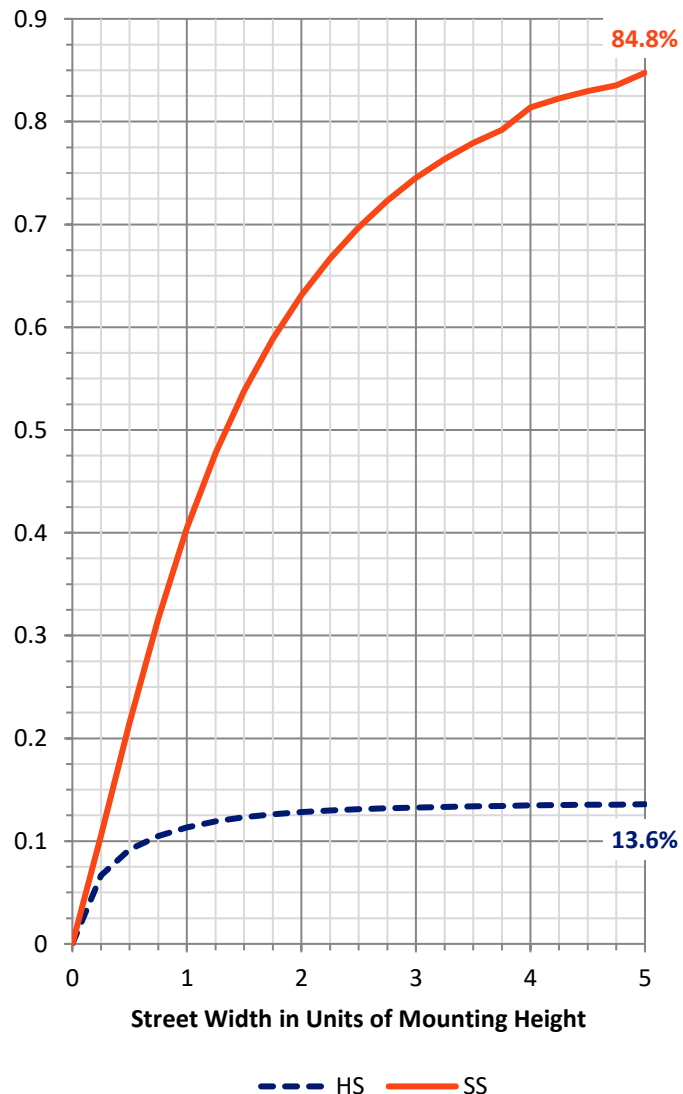
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3397.2	0.0	3397.2
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	21292.8	0.0	21292.8
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	24690.0	0.0	24690.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	383.1	1.6
10°-20°	982.0	4.0
20°-30°	1513.0	6.1
30°-40°	2200.1	8.9
40°-50°	3238.2	13.1
50°-60°	4547.5	18.4
60°-70°	5755.8	23.3
70°-80°	5068.2	20.5
80°-90°	1002.1	4.1
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°	24690.0	100.0
0°-180°	24690.0	100.0

**Coefficient of Utilization**

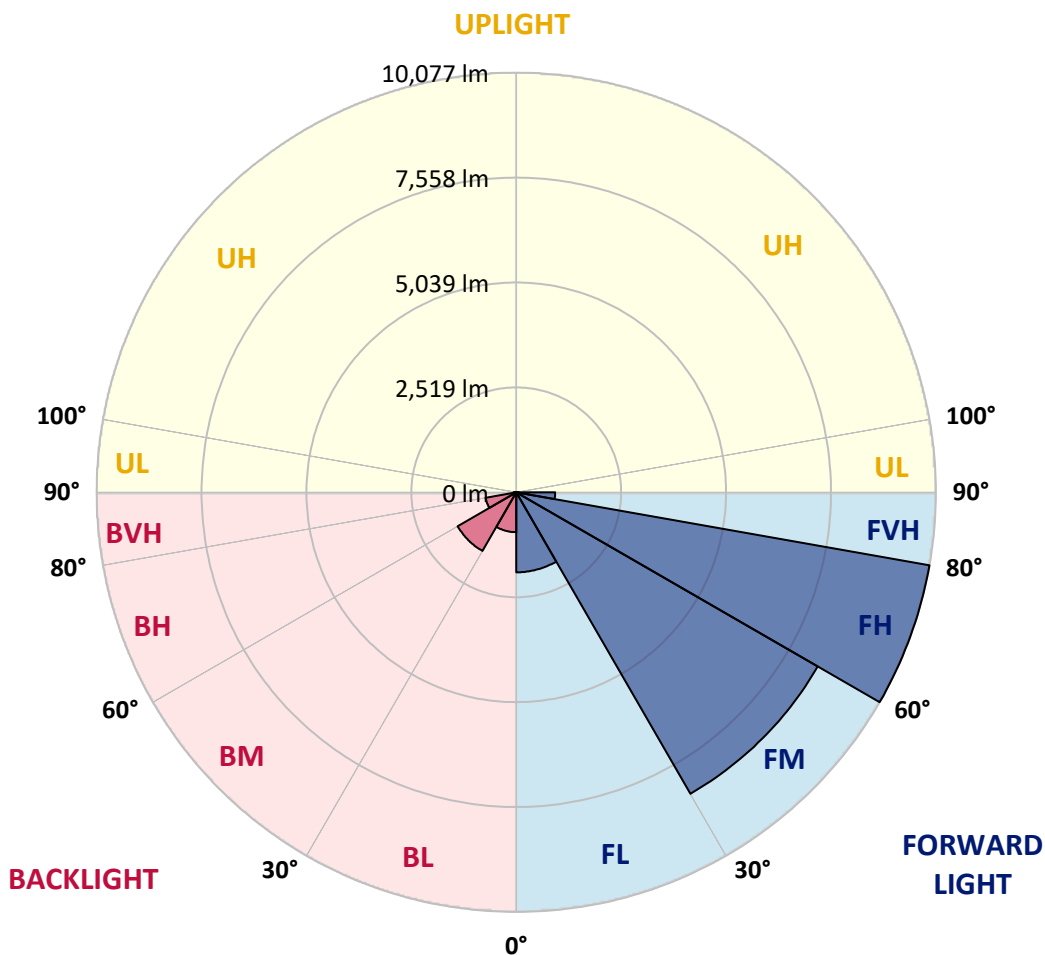


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 CATALOG NUMBER: GAN-SA4C-730-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1921.2	7.8			
FM (30°-60°)	8360.2	33.9			
FH (60°-80°)	10077.2	40.8			G4/12000
FVH (80°-90°)	934.2	3.8			G5
BL (0°-30°)	956.9	3.9	B2/1000		
BM (30°-60°)	1625.7	6.6	B2/2500		
BH (60°-80°)	746.7	3.0	B2/1000		G2/1000
BVH (80°-90°)	67.9	0.3			G1/100
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°	35°	37°	45°	55°	65°	75°	85°
0°	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3
2.5°	4499.0	4499.9	4499.0	4492.0	4475.5	4461.6	4450.3	4433.8	4397.2	4369.4	4327.7
5°	4541.6	4536.4	4532.9	4519.9	4493.8	4478.1	4456.4	4425.1	4365.1	4309.4	4241.6
7.5°	4521.6	4515.5	4507.7	4492.0	4462.5	4449.4	4419.0	4378.1	4305.9	4232.9	4135.5
10°	4459.9	4458.1	4454.6	4451.2	4425.9	4415.5	4387.7	4344.2	4272.9	4184.2	4070.2
12.5°	4391.2	4395.5	4409.4	4427.7	4416.4	4411.2	4393.8	4364.2	4291.1	4195.5	4058.1
15°	4347.7	4359.8	4397.2	4445.1	4454.6	4452.9	4448.6	4429.4	4352.0	4245.9	4085.9
17.5°	4332.9	4352.9	4424.2	4503.4	4531.2	4537.3	4539.0	4506.0	4419.9	4307.7	4114.6
20°	4359.8	4385.1	4489.4	4598.1	4642.5	4646.0	4638.2	4580.8	4484.2	4360.7	4130.2
22.5°	4441.6	4464.2	4594.7	4717.3	4767.7	4773.0	4749.5	4662.5	4552.1	4423.3	4152.0
25°	4599.0	4626.8	4757.3	4879.9	4906.0	4906.9	4873.0	4765.1	4640.8	4511.2	4199.0
27.5°	4804.3	4832.1	4949.5	5069.5	5055.6	5047.8	5001.7	4893.9	4756.4	4632.1	4282.4
30°	5033.0	5063.4	5174.8	5260.0	5226.9	5211.3	5173.9	5034.7	4917.3	4797.3	4410.3
32.5°	5269.6	5297.4	5394.8	5453.1	5411.3	5404.4	5347.8	5220.9	5126.9	5049.5	4617.3
35°	5512.2	5532.2	5627.9	5660.9	5605.3	5603.5	5587.9	5471.3	5412.2	5448.7	4918.2
37.5°	5760.1	5765.3	5847.1	5848.8	5832.3	5839.2	5855.7	5782.7	5799.2	5913.1	5309.6
40°	5981.0	5994.9	6054.0	6072.3	6101.0	6125.4	6208.0	6160.1	6288.0	6489.8	5796.6
42.5°	6144.5	6171.5	6266.3	6313.2	6406.3	6444.5	6561.1	6605.4	6862.9	7165.5	6375.8
45°	6282.8	6324.5	6476.7	6573.3	6730.7	6797.6	6964.6	7113.3	7512.5	7898.7	6985.5
47.5°	6432.4	6485.4	6675.9	6860.3	7074.2	7149.9	7453.4	7676.0	8205.7	8636.2	7560.4
50°	6652.4	6693.3	6879.4	7169.0	7436.0	7533.4	7953.5	8272.7	8910.2	9338.9	8058.7
52.5°	6959.4	6943.8	7101.2	7507.3	7865.6	7985.7	8487.5	8907.6	9624.2	9974.7	8479.7
55°	7268.2	7242.1	7352.5	7861.3	8366.6	8492.7	9075.4	9545.1	10303.4	10547.0	8802.3
57.5°	7611.7	7562.1	7655.2	8260.5	8937.1	9087.6	9733.8	10222.6	10971.4	11009.6	9007.6
60°	7965.7	7898.7	8003.1	8755.4	9661.6	9839.0	10504.3	10883.5	11601.0	11380.1	9073.7
62.5°	8275.3	8228.3	8389.2	9307.6	10478.2	10673.1	11261.0	11586.3	12222.0	11534.1	8835.4
65°	8545.8	8553.6	8831.9	9928.6	11388.8	11596.7	12129.0	12452.5	12710.8	11442.8	8277.9
67.5°	8868.4	8912.8	9387.6	10746.1	12535.1	12763.0	13391.8	13397.0	12983.9	10907.0	7180.3
70°	9338.9	9430.3	10152.1	11880.2	14164.9	14478.0	14963.3	13951.9	12600.3	9454.6	5649.6
72.5°	9756.4	9926.9	10965.3	13177.8	16151.4	16388.8	15882.6	13631.8	10997.5	7085.5	3519.7
74°	9586.8	9798.1	11113.1	13817.1	16899.3	17013.2	15572.1	12697.7	9169.3	4906.9	2045.6
75°	9221.5	9451.1	10897.4	13811.0	16804.5	16741.0	14822.4	11630.6	7551.7	3346.6	1361.1
77.5°	7442.1	7684.7	9182.4	11836.7	13778.8	13718.8	11386.2	7802.2	3307.5	1097.6	691.4
80°	4326.8	4512.0	5700.1	7516.9	9291.1	9399.8	7488.2	3860.6	1301.1	616.6	468.8
82.5°	1922.1	2049.9	2753.5	3837.2	5607.0	5747.0	3921.5	2022.9	803.6	374.8	281.8
85°	1261.1	1355.9	1671.6	1827.3	2670.0	2765.7	1919.4	1575.0	530.5	206.1	207.0
87.5°	907.1	998.4	1241.9	1084.5	1225.4	1160.2	1044.5	1457.6	213.1	117.4	69.6
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°	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3	4350.3
2.5°	4309.4	4295.5	4264.2	4205.0	4172.0	4144.2	4098.1	4071.1	4058.9	4058.1	4063.3
5°	4202.4	4170.3	4089.4	3990.2	3911.1	3838.9	3749.3	3695.4	3657.1	3634.5	3640.6
7.5°	4078.1	4027.6	3900.6	3742.4	3615.4	3475.4	3337.1	3254.4	3190.1	3142.3	3151.0
10°	3992.8	3923.3	3738.0	3510.1	3298.8	3095.3	2904.8	2790.9	2700.4	2630.9	2636.1
12.5°	3964.1	3870.2	3613.6	3309.2	3012.7	2734.4	2485.6	2310.8	2217.8	2138.6	2144.7
15°	3968.5	3842.4	3509.3	3128.3	2755.2	2404.7	2103.0	1898.6	1772.5	1717.7	1718.5
17.5°	3972.0	3810.2	3399.7	2934.4	2500.4	2096.9	1769.0	1562.0	1442.8	1392.4	1393.3
20°	3960.7	3758.0	3264.0	2711.8	2234.3	1814.2	1496.8	1321.1	1230.6	1191.5	1191.5
22.5°	3945.9	3696.3	3110.9	2488.2	1971.6	1569.0	1302.0	1168.0	1115.8	1089.7	1088.9
25°	3952.8	3650.2	2954.4	2258.6	1729.9	1373.3	1172.4	1083.7	1048.9	1032.3	1031.5
27.5°	3990.2	3628.4	2810.0	2029.9	1518.5	1226.3	1085.4	1022.8	1000.2	989.7	989.7
30°	4058.1	3628.4	2659.6	1835.1	1342.8	1117.6	1018.4	975.8	960.2	953.2	953.2
32.5°	4176.3	3648.4	2514.3	1642.0	1202.8	1032.3	962.8	934.1	921.9	918.4	918.4
35°	4379.9	3716.3	2372.6	1459.4	1089.7	962.8	909.7	893.2	884.5	883.6	886.2
37.5°	4666.0	3854.5	2239.5	1324.6	1009.7	906.2	865.4	852.3	847.1	851.4	854.9
40°	5026.0	4042.4	2118.6	1202.8	948.9	861.0	824.5	815.8	813.2	819.3	824.5
42.5°	5460.9	4296.4	2019.5	1115.0	901.9	822.7	789.7	779.3	776.6	783.6	790.6
45°	5931.4	4569.4	1949.9	1049.7	865.4	794.0	759.3	747.9	742.7	746.2	754.0
47.5°	6359.3	4827.8	1922.1	1003.6	830.6	769.7	732.3	718.4	709.7	707.9	714.0
50°	6720.2	5020.0	1935.1	975.8	802.7	742.7	706.2	690.5	677.5	669.7	674.0
52.5°	6982.9	5140.8	1947.3	963.6	781.0	713.2	677.5	662.7	645.3	632.3	632.3
55°	7173.4	5168.7	1920.3	954.1	764.5	681.0	645.3	631.4	614.0	599.2	597.5
57.5°	7248.2	5090.4	1820.3	940.2	753.2	650.5	611.4	601.0	586.2	568.8	567.9
60°	7147.3	4848.6	1627.2	910.6	738.4	625.3	577.5	570.5	563.6	547.0	546.2
62.5°	6742.0	4318.1	1377.6	850.6	708.8	598.4	546.2	549.7	550.5	539.2	537.5
65°	6007.1	3589.3	1134.1	772.3	664.5	566.2	514.0	530.5	540.1	538.3	535.7
67.5°	4939.1	2793.5	961.0	689.7	606.2	521.8	479.2	498.3	506.2	512.3	510.5
70°	3665.8	1969.9	794.9	602.7	535.7	469.6	434.0	443.6	438.3	445.3	447.9
72.5°	2043.8	1181.9	647.9	515.7	462.7	408.8	383.5	381.8	370.5	370.5	370.5
74°	1226.3	867.1	569.7	461.8	418.3	368.8	347.0	339.2	328.7	329.6	328.7
75°	986.2	745.3	522.7	426.2	387.0	345.3	323.5	313.1	305.3	305.3	304.4
77.5°	622.7	566.2	420.9	339.2	309.6	284.4	269.6	255.7	255.7	254.8	254.0
80°	470.5	450.5	327.9	256.6	237.4	218.3	208.7	202.6	202.6	205.3	204.4
82.5°	322.7	339.2	230.5	179.2	169.6	155.7	153.9	154.8	152.2	148.7	147.9
85°	235.7	254.8	155.7	113.1	103.5	94.8	101.8	105.2	100.9	93.1	89.6
87.5°	90.4	167.0	83.5	47.0	43.5	37.4	43.5	45.2	48.7	38.3	39.1
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)