

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: P285808

Luminaire Tested: **USSL-XL-C069-D-U-T3-AP-7030-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285808  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-8)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-XL-C069-D-U-T3-AP-7030-HSS  
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD, GRAY  
PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38905.8 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B3 - U0 - G5

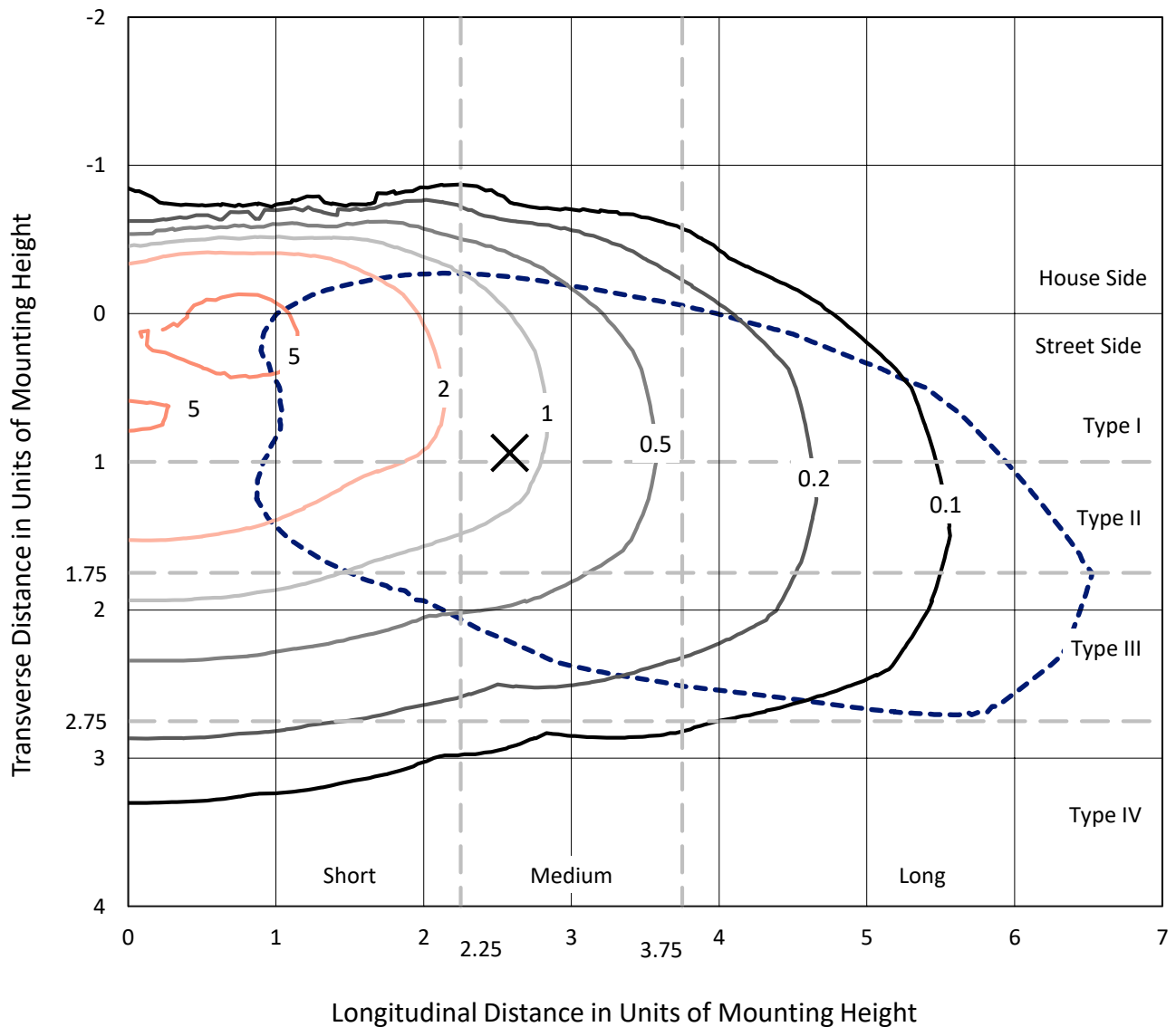
Input Watts (W): 285  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

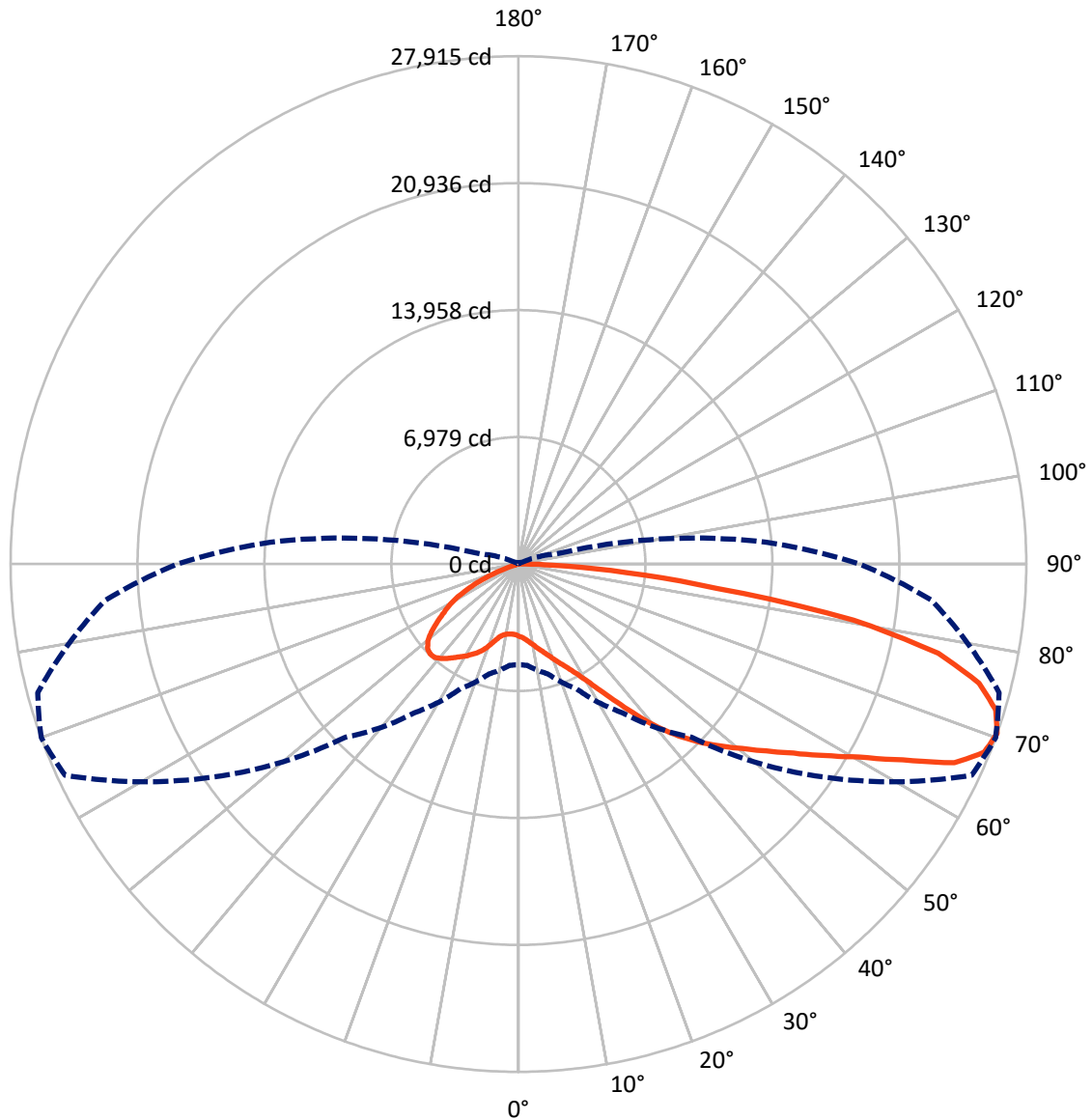


Based on 30 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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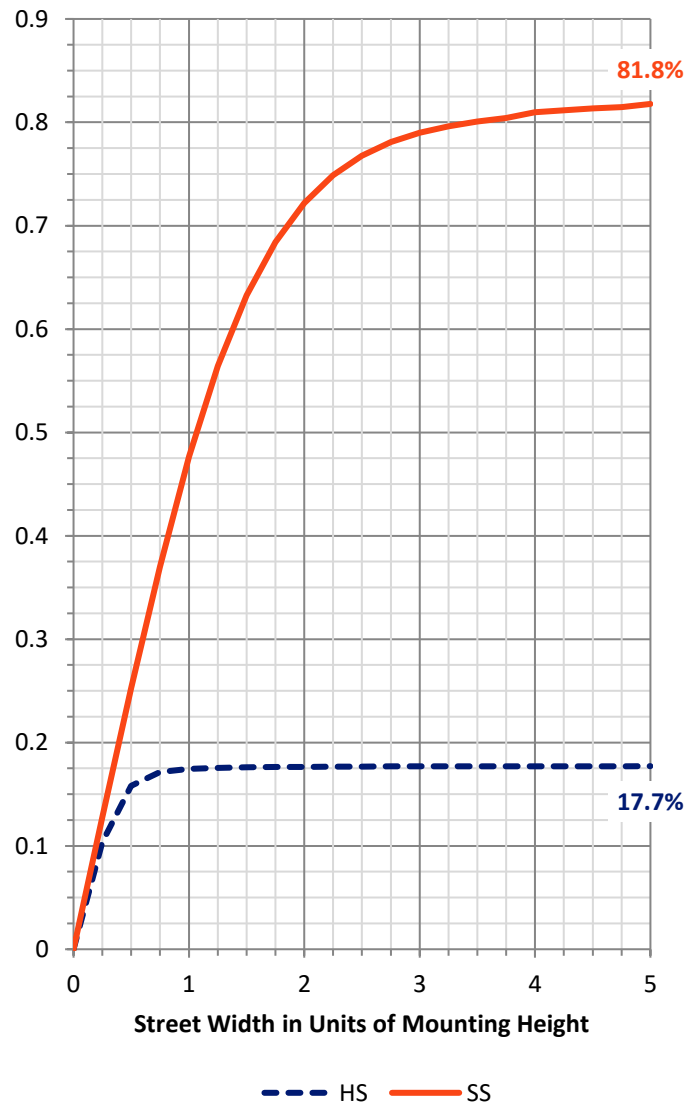
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6971.6	0.0	6971.6
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	31934.1	0.0	31934.1
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	38905.8	0.0	38905.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.4	1.0
10°-20°	1208.0	3.1
20°-30°	2199.7	5.7
30°-40°	3739.6	9.6
40°-50°	5882.3	15.1
50°-60°	7940.5	20.4
60°-70°	9289.5	23.9
70°-80°	6912.4	17.8
80°-90°	1349.4	3.5
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°	38905.8	100.0
0°-180°	38905.8	100.0

**Coefficient of Utilization**



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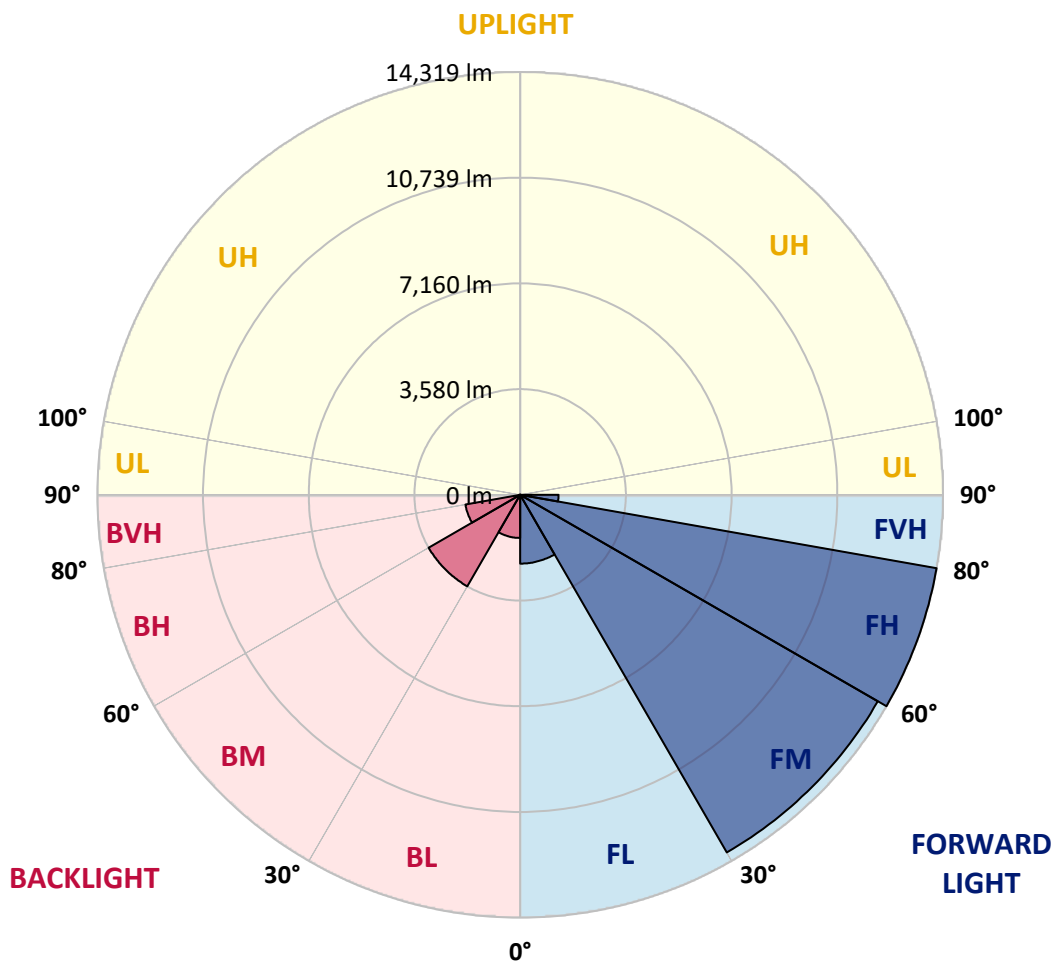
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2330.7	6.0			
FM	(30°-60°)	13984.3	35.9			
FH	(60°-80°)	14319.1	36.8			G5
FVH	(80°-90°)	1300.0	3.3			G5
BL	(0°-30°)	1461.3	3.8	B3/2500		
BM	(30°-60°)	3578.1	9.2	B3/5000		
BH	(60°-80°)	1882.8	4.8	B3/2500		G3/2500
BVH	(80°-90°)	49.4	0.1			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4
2.5°	4199.2	4195.9	4202.5	4186.1	4195.9	4164.8	4136.9	4097.7	4037.1	4015.7	3974.7
5°	4404.0	4407.3	4405.7	4394.1	4379.4	4346.6	4291.0	4236.8	4164.8	4130.4	4050.1
7.5°	4579.3	4581.0	4587.5	4584.3	4576.0	4533.4	4482.6	4413.8	4327.0	4282.7	4173.0
10°	4718.6	4717.0	4726.7	4741.6	4774.3	4741.6	4674.4	4618.6	4525.2	4466.3	4330.3
12.5°	4810.4	4798.9	4826.7	4867.7	4926.6	4931.6	4887.3	4830.0	4748.0	4679.2	4526.9
15°	4853.0	4848.0	4898.8	4984.0	5069.2	5097.1	5090.5	5047.9	4987.3	4918.5	4753.0
17.5°	4952.9	4951.2	4985.7	5085.6	5185.6	5255.9	5328.0	5321.5	5265.8	5216.6	5044.6
20°	5115.1	5118.4	5118.4	5205.2	5315.0	5439.5	5582.0	5626.3	5582.0	5552.5	5387.0
22.5°	5313.3	5298.5	5288.7	5360.9	5495.2	5668.9	5870.4	5952.3	5945.7	5916.3	5816.3
25°	5591.8	5559.1	5488.6	5578.8	5744.2	5947.4	6183.4	6320.9	6332.4	6340.6	6412.7
27.5°	6034.2	6032.5	5913.0	5919.5	6032.5	6268.5	6556.9	6794.4	6827.2	6918.9	7166.3
30°	6925.5	6835.4	6697.7	6478.2	6440.5	6663.4	7007.4	7371.2	7464.6	7744.7	8044.5
32.5°	7759.4	7692.2	7595.6	7341.6	7032.0	7113.9	7505.5	8044.5	8290.3	8849.0	9122.6
35°	8475.4	8441.0	8369.0	8218.1	7938.0	7726.7	8047.8	8793.2	9311.0	10130.2	10369.4
37.5°	9175.0	9148.8	9101.3	8968.6	8793.2	8477.1	8678.6	9676.4	10518.4	11478.6	11601.5
40°	9789.4	9781.2	9822.2	9740.3	9663.2	9466.6	9407.7	10608.6	11780.0	12792.6	12763.1
42.5°	10326.8	10313.7	10513.6	10405.5	10497.2	10421.8	10298.9	11480.2	12923.7	13870.7	13770.8
45°	10685.6	10679.0	10890.4	10998.6	11257.4	11313.2	11239.4	12384.6	13965.7	14858.6	14639.0
47.5°	10959.3	10941.2	11057.5	11473.7	11952.1	12065.2	12207.7	13393.9	14945.4	15731.9	15466.5
50°	11108.3	11114.9	11354.1	11916.0	12623.8	12884.4	13184.2	14593.2	15941.6	16667.4	16228.3
52.5°	11204.9	11275.4	11627.7	12304.4	13271.0	13728.1	14072.2	15889.2	17070.4	17550.5	17081.9
55°	11273.8	11398.3	11750.6	12514.0	13675.7	14432.7	14935.6	17255.6	18354.9	18658.1	17986.3
57.5°	10829.8	10962.5	11555.6	12551.8	14010.0	15027.4	15925.2	18718.7	19857.3	19885.2	18826.8
60°	10104.0	10185.9	10944.5	12320.7	13962.4	15574.6	17139.2	20452.0	21531.8	21517.0	19865.5
62.5°	9353.6	9396.2	10166.2	11711.3	13693.7	15776.1	18296.0	22781.9	23709.2	23271.8	20923.9
65°	8362.4	8409.9	9204.5	10705.3	12946.6	15640.1	19285.5	25224.8	26337.2	25639.3	21948.0
67.5°	7071.3	7161.4	7895.4	9289.7	11730.9	14922.5	20039.2	26899.2	27615.2	27004.0	22665.5
70°	5514.9	5595.1	6250.4	7564.5	9977.8	13459.5	20389.8	27489.0	27915.0	27354.6	22786.8
72.5°	3927.2	3986.2	4276.2	5375.6	7567.8	11247.6	20057.2	27205.5	27426.7	26727.2	21964.3
75°	2990.1	2942.6	3114.6	3530.7	4427.0	7903.6	18033.8	25924.3	26150.4	25378.8	20360.4
77.5°	2164.3	2126.7	2333.1	2655.8	3088.3	3715.9	12676.3	23293.1	23584.7	22953.9	17637.4
80°	1273.0	1327.1	1600.7	1907.1	2251.1	2475.6	5976.9	17401.4	18685.9	18428.7	12858.2
82.5°	242.5	262.1	665.2	1010.9	1240.3	1312.4	2262.7	9571.5	10970.7	11250.8	6792.8
85°	158.9	172.0	398.1	406.4	396.5	507.9	914.3	4612.0	5922.8	5990.0	2983.5
87.5°	73.8	81.9	121.3	175.3	222.8	267.1	301.4	1238.6	1830.1	1872.7	589.8
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°	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4	3976.4
2.5°	3953.4	3937.1	3902.7	3873.2	3853.5	3842.0	3776.5	3765.1	3740.5	3722.5	3714.2
5°	4012.5	3981.3	3897.8	3840.4	3766.7	3706.0	3596.2	3540.6	3507.8	3473.4	3465.2
7.5°	4112.4	4061.5	3930.5	3827.3	3701.2	3591.4	3437.4	3348.9	3286.6	3237.5	3232.6
10°	4253.3	4173.0	3984.6	3833.9	3652.0	3501.3	3309.5	3167.0	3080.2	3016.3	3013.0
12.5°	4428.6	4318.8	4086.1	3886.2	3652.0	3443.9	3216.2	3026.1	2898.3	2811.5	2801.6
15°	4648.1	4517.1	4254.9	4009.2	3732.2	3466.8	3152.2	2896.7	2710.0	2570.7	2564.1
17.5°	4921.8	4785.8	4530.1	4253.3	3884.6	3502.9	3104.8	2744.3	2474.0	2308.5	2290.4
20°	5267.5	5203.6	4941.4	4536.7	4041.9	3520.9	2998.2	2532.9	2166.0	1953.0	1925.1
22.5°	5762.3	5726.2	5351.0	4779.2	4132.0	3465.2	2822.9	2195.5	1749.8	1520.4	1499.1
25°	6381.6	6257.0	5717.9	4959.4	4148.4	3342.3	2526.4	1764.5	1266.5	1038.7	1030.5
27.5°	7027.0	6801.0	6035.8	5085.6	4100.9	3094.9	2110.3	1255.0	789.7	643.9	645.5
30°	7841.4	7412.1	6396.3	5205.2	3991.2	2759.0	1564.6	781.5	496.5	408.0	396.5
32.5°	8780.2	8185.4	6756.8	5252.7	3786.3	2283.9	992.9	480.0	311.3	265.4	260.5
35°	9876.3	9142.3	7220.4	5257.6	3448.8	1697.4	594.7	281.8	211.3	213.0	216.2
37.5°	11019.9	10156.4	7785.7	5198.6	3027.7	1061.7	335.9	181.9	181.9	216.2	227.8
40°	12055.3	11126.3	8385.3	5065.9	2434.7	617.7	190.0	157.3	167.1	203.2	213.0
42.5°	13005.6	11965.2	8934.2	4859.4	1738.3	334.2	163.9	142.6	150.7	167.1	172.0
45°	13828.1	12694.3	9329.0	4526.9	1055.1	206.5	150.7	129.4	127.8	139.3	142.6
47.5°	14537.5	13346.4	9596.1	4051.8	552.1	196.6	145.8	118.0	109.8	114.7	116.4
50°	15264.9	13829.7	9696.1	3384.9	283.4	185.2	136.0	109.8	101.5	116.4	118.0
52.5°	16000.6	14555.5	9709.1	2452.7	224.5	167.1	124.5	101.5	98.3	129.4	134.4
55°	16716.5	15084.7	9520.8	1420.5	217.9	155.7	113.1	91.8	95.1	98.3	98.3
57.5°	17471.8	15718.7	9124.3	621.0	211.3	142.6	104.8	83.5	70.5	78.6	81.9
60°	18281.3	16266.0	8326.4	358.8	201.5	127.8	90.1	68.8	58.9	58.9	63.9
62.5°	19098.8	16667.4	7020.6	262.1	191.7	119.6	78.6	60.6	49.2	49.2	52.5
65°	19629.7	16400.4	5414.9	232.6	185.2	108.1	68.8	52.5	39.3	37.7	40.9
67.5°	19532.9	15378.0	3814.2	208.1	168.7	98.3	60.6	45.9	34.4	27.9	29.5
70°	18731.8	13706.8	2115.1	195.0	150.7	90.1	54.1	40.9	27.9	18.0	18.0
72.5°	17255.6	11517.9	812.6	175.3	134.4	78.6	49.2	39.3	24.6	9.9	8.2
75°	15052.0	8765.4	293.3	147.4	111.4	72.1	47.5	40.9	22.9	3.3	0.0
77.5°	11801.4	4905.3	173.7	109.8	83.5	62.2	50.8	40.9	13.1	0.0	0.0
80°	6338.9	1771.1	122.8	70.5	55.8	45.9	45.9	32.8	6.6	0.0	0.0
82.5°	2631.3	398.1	78.6	39.3	37.7	29.5	29.5	14.7	1.6	0.0	0.0
85°	745.4	116.4	36.0	21.3	21.3	16.4	8.2	0.0	0.0	0.0	0.0
87.5°	63.9	24.6	9.9	11.4	8.2	3.3	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)