

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: P285767

Luminaire Tested: **USSL-XL-C04-D-U-T2-BZ-7030-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P285767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-6)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-XL-C04-D-U-T2-BZ-7030-HSS  
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD, BRONZE  
PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32999 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G4

Input Watts (W): 264  
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

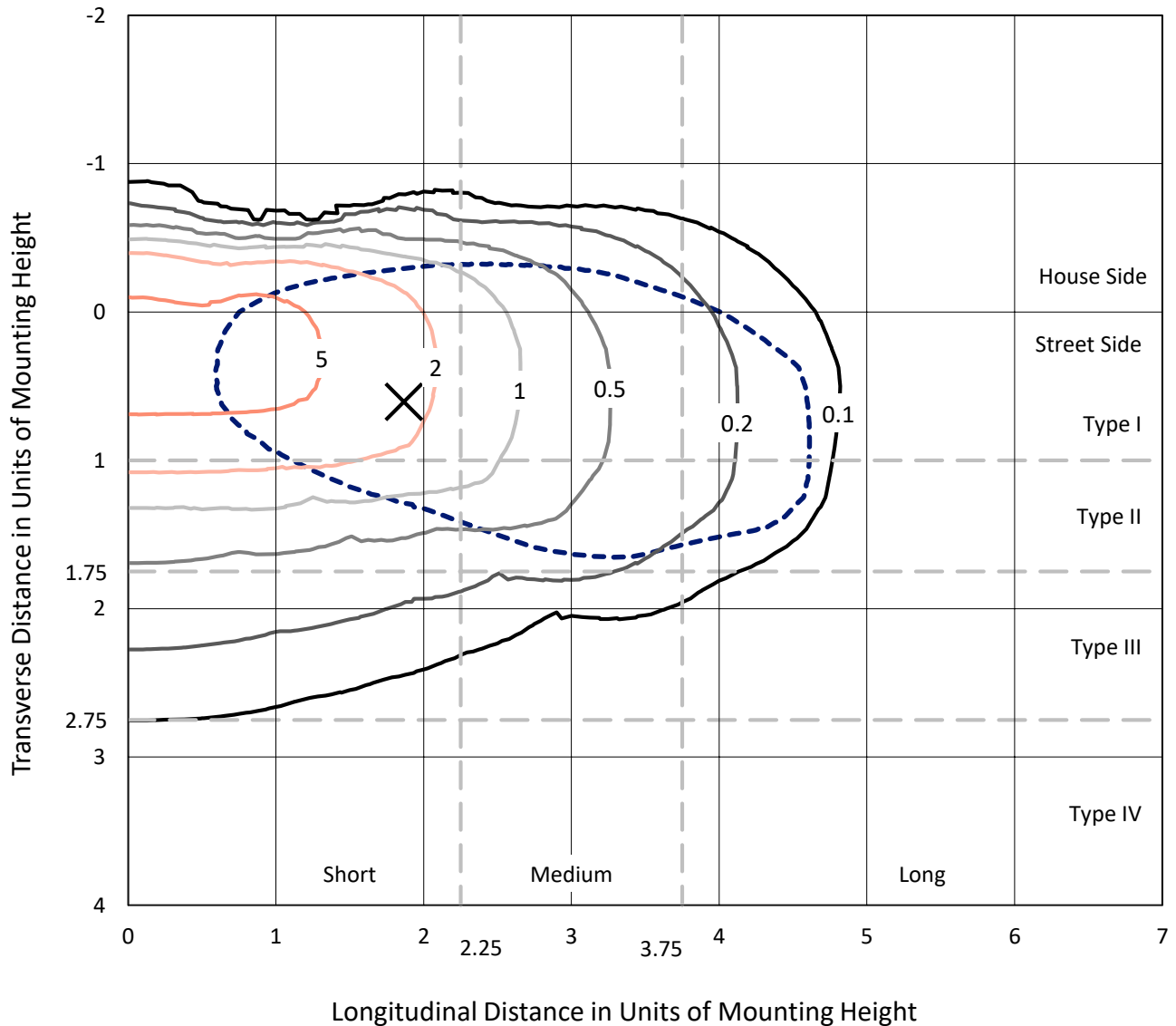


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

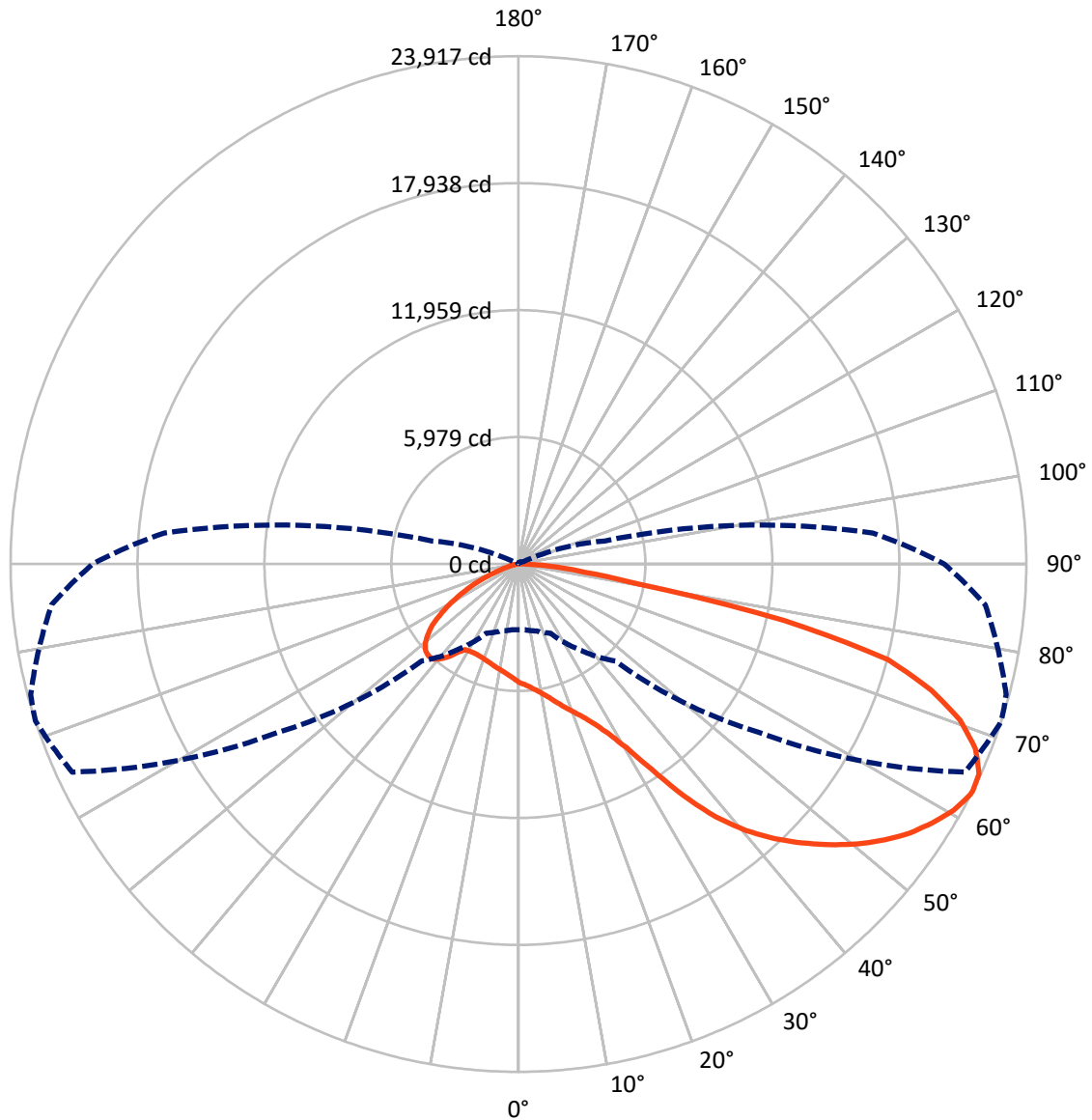


Based on 30 foot mounting height. Maximum calculated value = 8.3 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical



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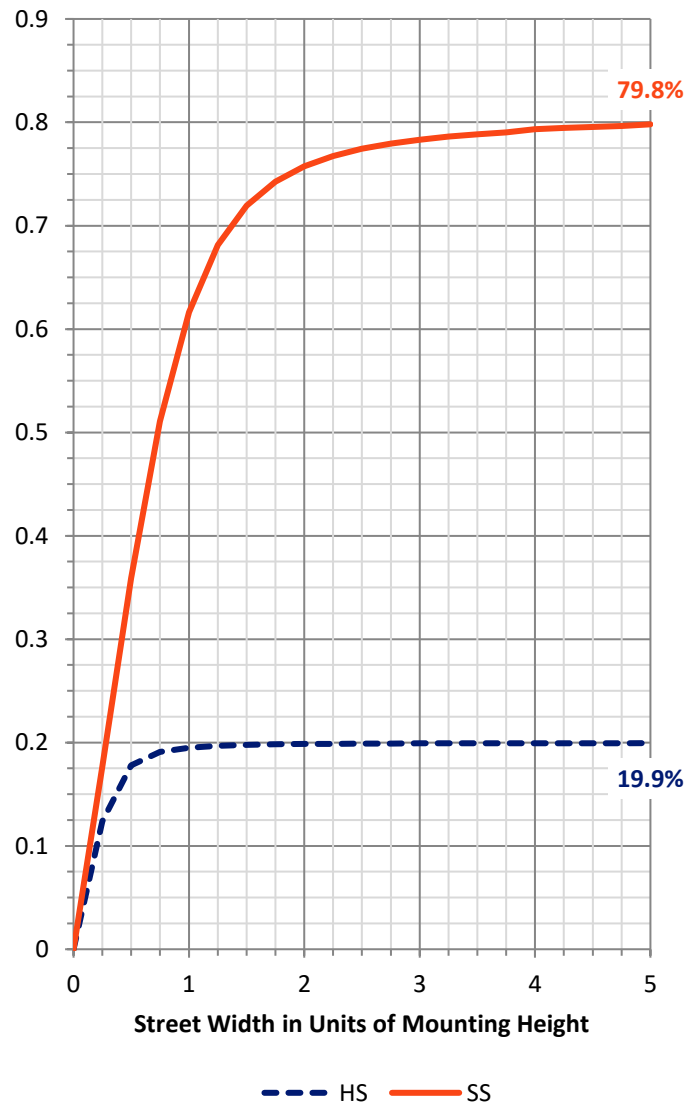
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6657.4	0.0	6657.4
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	26341.6	0.0	26341.6
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	32999.0	0.0	32999.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.3	1.6
10°-20°	1617.2	4.9
20°-30°	2728.7	8.3
30°-40°	4176.1	12.7
40°-50°	5817.9	17.6
50°-60°	6743.0	20.4
60°-70°	6610.5	20.0
70°-80°	4127.2	12.5
80°-90°	645.1	2.0
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°	32999.0	100.0
0°-180°	32999.0	100.0

**Coefficient of Utilization**



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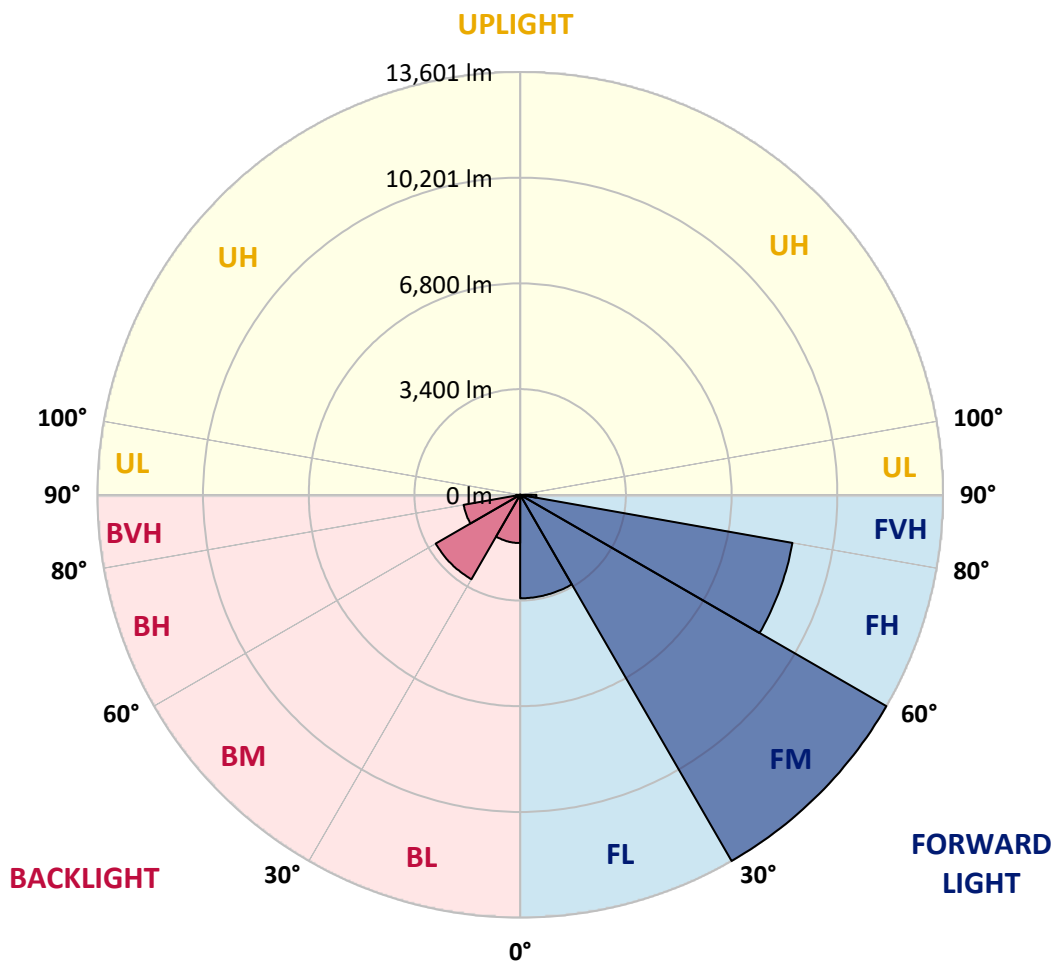
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3327.2	10.1			
FM	(30°-60°)	13600.7	41.2			
FH	(60°-80°)	8892.2	26.9			G4/12000
FVH	(80°-90°)	521.5	1.6			G4/750
BL	(0°-30°)	1552.0	4.7	B3/2500		
BM	(30°-60°)	3136.3	9.5	B3/5000		
BH	(60°-80°)	1845.5	5.6	B3/2500		G3/2500
BVH	(80°-90°)	123.6	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5
2.5°	6068.6	6052.3	6034.5	6012.7	5994.9	5940.4	5891.2	5797.1	5681.1	5675.6	5581.5
5°	6482.1	6456.2	6435.7	6397.5	6355.2	6258.3	6145.1	5986.8	5821.6	5795.7	5629.2
7.5°	6827.4	6800.1	6776.9	6727.8	6680.0	6561.3	6415.3	6202.4	5997.7	5945.8	5696.1
10°	7129.0	7101.7	7090.8	7037.5	7003.4	6873.8	6692.3	6461.7	6205.1	6126.0	5797.1
12.5°	7446.9	7418.3	7399.2	7343.2	7302.3	7164.5	7003.4	6745.5	6454.8	6370.2	5941.7
15°	7760.8	7734.9	7691.2	7661.2	7613.4	7470.1	7318.7	7049.8	6760.5	6654.1	6135.5
17.5°	8050.1	8028.3	7995.5	7969.6	7930.0	7781.3	7616.2	7388.3	7092.1	6961.1	6357.9
20°	8263.0	8264.4	8250.7	8237.1	8250.7	8129.3	7995.5	7741.7	7437.4	7284.5	6588.6
22.5°	8445.9	8456.8	8474.5	8495.0	8582.3	8522.3	8361.3	8155.2	7829.0	7648.9	6884.7
25°	8535.9	8544.1	8623.3	8757.0	8953.5	8952.2	8802.0	8653.3	8343.5	8156.6	7296.8
27.5°	8589.2	8600.1	8710.6	8979.5	9326.1	9379.3	9317.9	9252.4	9036.8	8849.8	7841.3
30°	8586.4	8601.4	8772.0	9109.1	9619.5	9889.7	9895.1	10136.7	10034.3	9906.1	8759.7
32.5°	8381.7	8387.2	8624.6	9121.4	9840.6	10342.7	10567.9	11201.1	11517.7	11540.9	10456.0
35°	7895.9	7965.5	8320.3	9010.8	10000.2	10786.3	11369.0	12561.7	13402.3	13441.9	12159.1
37.5°	7546.6	7588.9	7992.8	8813.0	10073.9	11248.9	12288.7	14195.2	15115.0	15018.1	13568.8
40°	7164.5	7216.3	7631.2	8548.2	10027.5	11646.0	13226.3	15763.2	16500.1	16348.6	14769.7
42.5°	6741.4	6785.1	7175.4	8156.6	9880.1	11932.6	14131.0	17118.3	17684.6	17499.0	15861.4
45°	6325.2	6353.8	6723.7	7628.4	9596.3	12107.3	14956.7	18338.3	18735.4	18578.5	16867.2
47.5°	5797.1	5831.2	6284.3	7124.9	9076.3	12101.8	15671.7	19423.2	19754.8	19580.1	17763.8
50°	4470.6	4492.5	5492.8	6667.7	8404.9	11861.6	16284.5	20405.7	20718.2	20519.0	18650.8
52.5°	4050.3	4068.0	4377.8	6098.7	7672.1	11363.5	16687.0	21311.9	21594.4	21381.5	19487.3
55°	3849.7	3862.0	4012.1	4963.3	7029.4	10509.2	16864.4	22151.1	22365.4	22089.7	20166.9
57.5°	3565.9	3590.4	3816.9	4250.9	6400.2	9197.8	16610.6	22829.4	22990.4	22720.2	20828.8
60°	3350.2	3365.2	3556.3	3900.2	5640.1	7730.8	15704.5	23287.9	23549.9	23305.6	21451.1
62.5°	3140.1	3145.5	3305.2	3639.5	4979.6	6635.0	14158.3	23259.2	23893.8	23742.3	21994.2
63°	3095.0	3100.5	3262.9	3591.8	4882.7	6453.5	13819.9	23189.6	23917.0	23779.2	22066.5
65°	2904.0	2912.2	3070.5	3373.4	4462.4	5878.9	12321.5	22761.1	23839.2	23835.1	22163.4
67.5°	2618.8	2633.8	2768.9	3028.2	3889.3	5153.0	10011.1	22304.0	23214.2	23263.3	21621.6
70°	2273.5	2284.4	2437.3	2655.6	3272.5	4375.1	7666.7	20842.4	22065.2	21928.7	20366.2
72.5°	1907.8	1926.9	2072.9	2242.1	2714.3	3609.5	5551.4	18349.2	20340.2	20441.2	18260.5
75°	1664.9	1675.8	1801.3	1921.4	2254.4	2872.6	3713.2	13175.8	17984.8	18010.8	15752.3
77.5°	1381.0	1394.7	1524.3	1637.6	1828.6	2163.0	2561.5	6847.9	12788.2	13514.2	12231.4
80°	761.5	884.3	1098.6	1181.8	1323.7	1314.2	1629.4	3619.1	5659.2	7075.8	8078.8
82.5°	128.3	165.1	443.5	578.6	630.5	554.1	791.5	1992.4	3155.1	3620.4	4347.8
85°	54.6	79.2	232.0	253.8	158.3	154.2	312.5	1042.6	1805.4	2079.7	2240.8
87.5°	6.8	12.3	60.0	79.2	36.8	50.5	62.8	326.2	629.1	723.3	817.4
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°	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5	5585.5
2.5°	5536.4	5505.0	5432.7	5376.8	5335.8	5279.9	5219.8	5176.1	5129.8	5109.3	5117.5
5°	5544.6	5475.0	5320.8	5199.3	5064.2	4964.6	4835.0	4769.5	4698.5	4663.0	4661.7
7.5°	5566.4	5457.3	5214.4	5023.3	4830.9	4675.3	4506.1	4390.1	4327.3	4280.9	4275.5
10°	5621.0	5465.5	5133.8	4874.6	4626.2	4417.4	4211.3	4061.2	3975.3	3927.5	3934.3
12.5°	5719.3	5495.5	5076.5	4753.1	4433.8	4185.4	3922.0	3746.0	3640.9	3582.2	3598.6
15°	5854.4	5561.0	5017.8	4603.0	4227.7	3935.7	3654.6	3455.3	3338.0	3287.5	3303.8
17.5°	6005.9	5656.5	4976.9	4435.1	4010.7	3680.5	3419.8	3224.7	3028.2	2988.6	2988.6
20°	6175.1	5763.0	4970.1	4275.5	3796.5	3437.6	3137.3	2973.6	2688.4	2591.5	2571.0
22.5°	6398.9	5913.1	4961.9	4129.5	3568.6	3186.5	2818.0	2560.1	2190.3	2023.8	2007.4
25°	6707.3	6120.5	4975.5	4009.4	3361.2	2904.0	2378.6	1965.1	1654.0	1445.2	1434.3
27.5°	7120.8	6397.5	5019.2	3897.5	3153.7	2556.0	1842.3	1401.5	1161.3	974.4	918.4
30°	7902.7	6835.6	5095.6	3797.8	2912.2	2089.3	1310.1	948.4	776.5	646.8	618.2
32.5°	9397.0	7935.5	5200.7	3687.3	2614.7	1539.3	874.7	633.2	494.0	419.0	435.3
35°	10887.2	9307.0	5701.5	3524.9	2223.0	1024.9	584.1	403.9	311.1	308.4	326.2
37.5°	12230.1	10520.2	6378.4	3343.4	1699.0	689.2	350.7	268.8	260.6	283.8	319.3
40°	13343.6	11505.4	6950.2	3089.6	1166.8	421.7	229.3	244.3	232.0	241.5	237.5
42.5°	14378.0	12392.5	7414.2	2801.6	687.8	242.9	199.2	226.5	208.8	200.6	184.2
45°	15308.7	13229.0	7647.5	2348.6	401.2	193.8	181.5	214.3	202.0	187.0	162.4
47.5°	16156.2	13963.2	7800.4	1729.0	230.6	169.2	169.2	192.4	189.7	171.9	158.3
50°	17035.0	14681.0	7785.4	1061.7	195.1	155.6	161.0	161.0	170.6	133.7	121.5
52.5°	17811.5	15326.5	7474.2	601.8	180.1	147.4	146.0	131.0	139.2	103.7	96.9
55°	18442.0	15828.7	6951.6	397.1	170.6	146.0	128.3	113.3	106.4	75.1	77.8
57.5°	19061.5	16306.3	6151.9	313.9	177.4	140.6	117.4	96.9	83.2	58.7	56.0
60°	19659.3	16687.0	5304.4	282.5	187.0	140.6	96.9	81.9	56.0	45.0	39.6
62.5°	20020.9	16770.3	4366.9	255.2	192.4	131.0	87.3	66.9	40.9	30.0	27.3
63°	20046.8	16745.7	4200.4	251.1	193.8	131.0	87.3	64.1	39.6	27.3	24.6
65°	20007.3	16435.9	3550.8	237.5	197.9	125.5	83.2	51.9	31.4	19.1	16.4
67.5°	19345.4	15400.2	2632.4	222.4	189.7	124.2	76.4	42.3	24.6	12.3	9.6
70°	17725.5	13792.6	1759.0	197.9	182.9	121.5	90.1	35.5	20.5	6.8	5.5
72.5°	15462.9	12058.1	1177.7	162.4	159.7	99.6	54.6	30.0	15.0	2.7	0.0
75°	13069.3	9704.1	728.7	124.2	129.6	84.6	43.7	25.9	12.3	0.0	0.0
77.5°	10173.5	7168.6	518.6	79.2	91.4	72.3	36.8	21.8	9.6	0.0	0.0
80°	6940.7	4858.2	375.3	43.7	47.8	47.8	30.0	16.4	5.5	0.0	0.0
82.5°	4025.7	2722.5	191.1	21.8	20.5	24.6	13.6	8.2	1.4	0.0	0.0
85°	1963.7	1206.4	32.8	12.3	10.9	10.9	5.5	0.0	0.0	0.0	0.0
87.5°	666.0	312.5	4.1	5.5	4.1	1.4	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)