

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: P285849

Luminaire Tested: **USSL-XL-C06-D-U-T4-AP-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-10)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-XL-C06-D-U-T4-AP-7030-HSS
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD, GRAY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45853.4 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 346
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

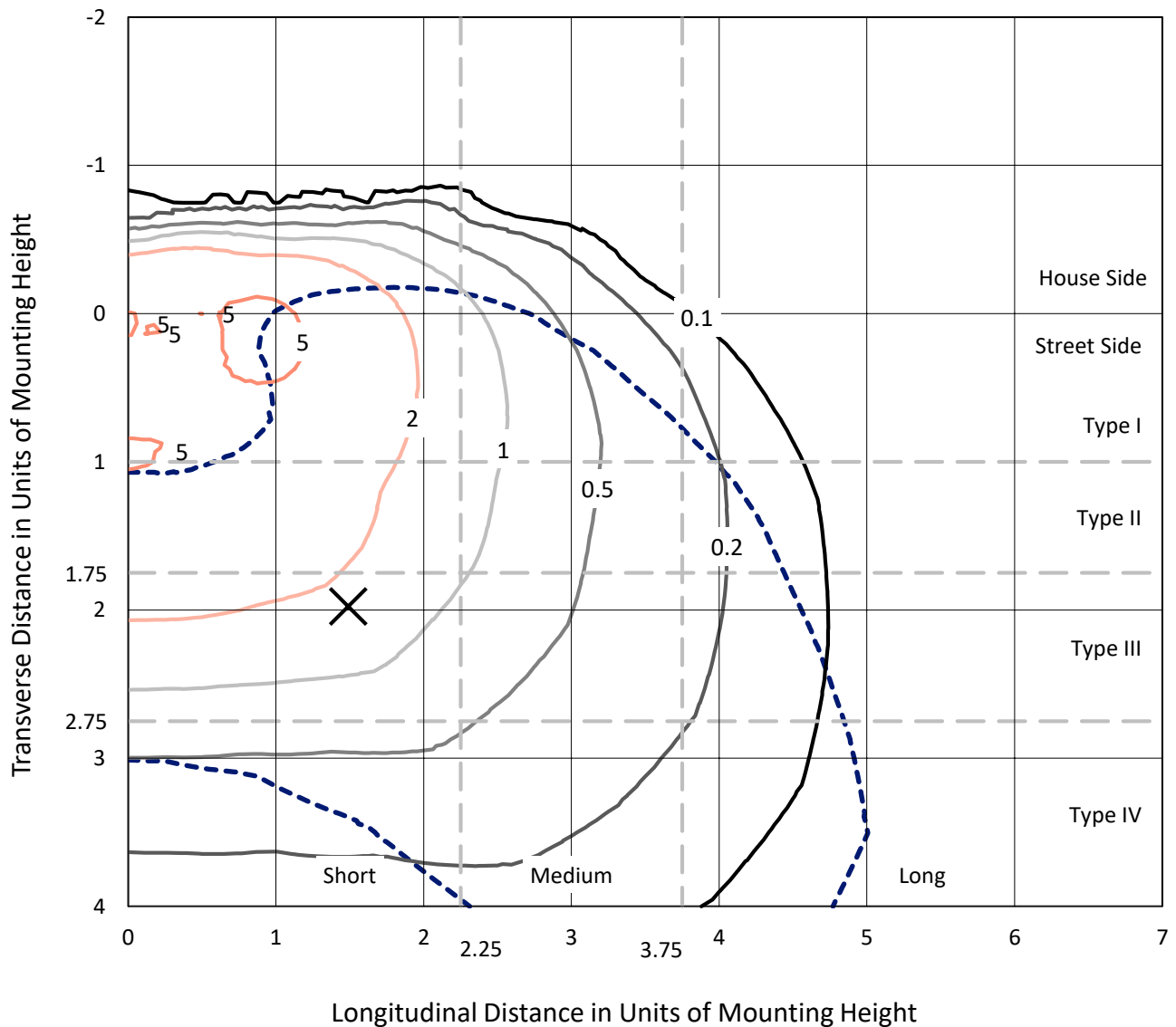


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

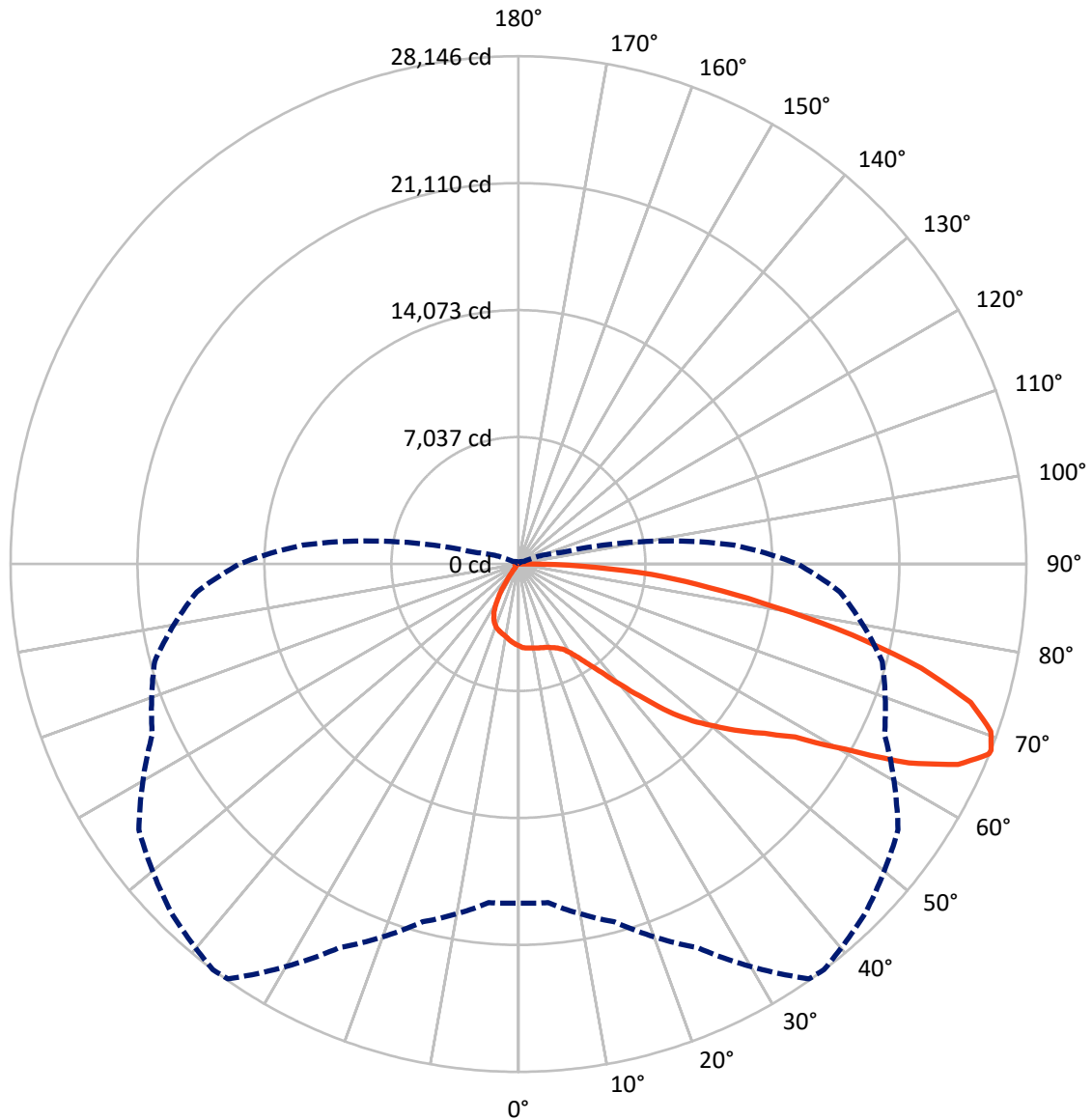


Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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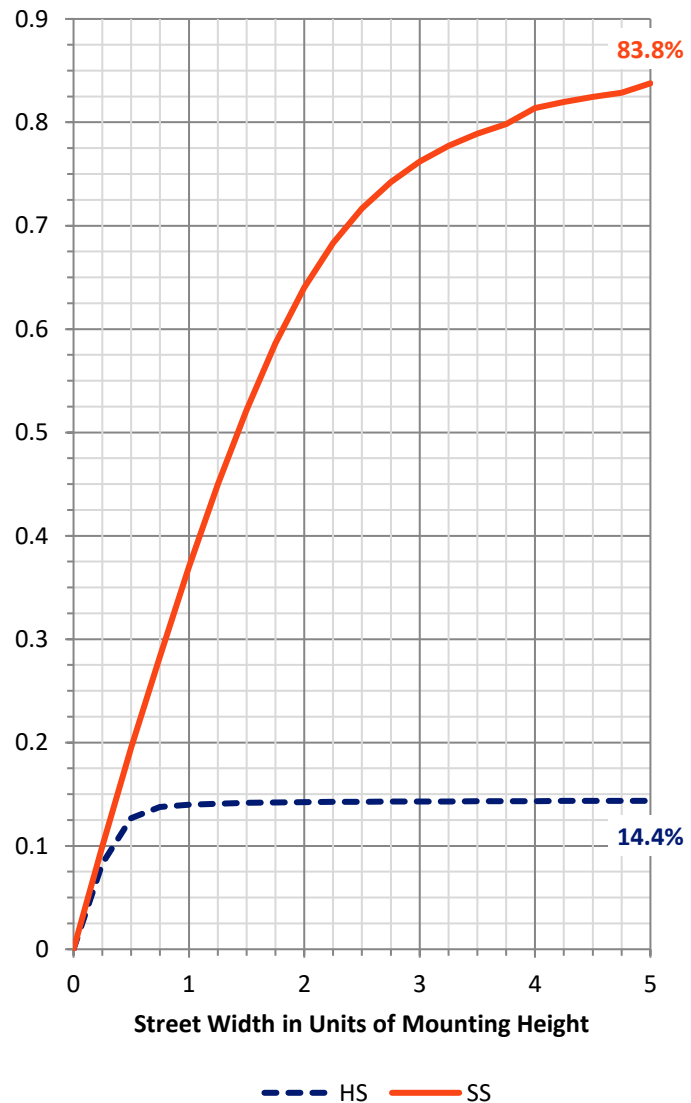
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6660.4	0.0	6660.4
	% Fixture	14.5	0.0	14.5
Street Side	Lumens	39193.0	0.0	39193.0
	% Fixture	85.5	0.0	85.5
Total	Lumens	45853.4	0.0	45853.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.6	0.9
10°-20°	1272.2	2.8
20°-30°	2126.0	4.6
30°-40°	3453.1	7.5
40°-50°	6238.5	13.6
50°-60°	9292.7	20.3
60°-70°	12105.3	26.4
70°-80°	8912.5	19.4
80°-90°	2024.4	4.4
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°	45853.4	100.0
0°-180°	45853.4	100.0

Coefficient of Utilization



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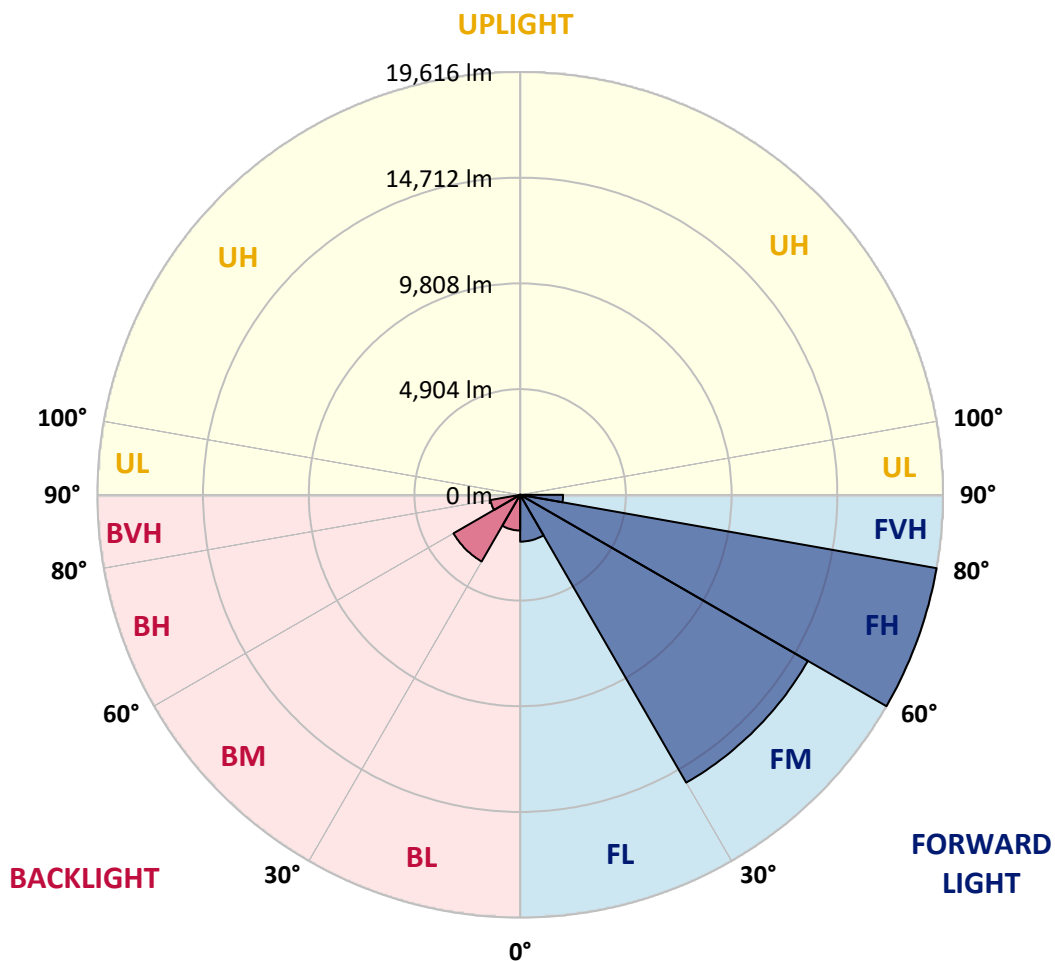
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2170.4	4.7			
FM	(30°-60°)	15415.1	33.6			
FH	(60°-80°)	19616.4	42.8			G5
FVH	(80°-90°)	1991.2	4.3			G5
BL	(0°-30°)	1656.4	3.6	B3/2500		
BM	(30°-60°)	3569.3	7.8	B3/5000		
BH	(60°-80°)	1401.5	3.1	B3/2500		G3/2500
BVH	(80°-90°)	33.2	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7
2.5°	4636.5	4640.3	4640.3	4634.5	4642.3	4636.5	4623.0	4609.4	4593.9	4531.9	4518.4
5°	4657.8	4667.5	4667.5	4665.6	4677.1	4675.2	4663.6	4652.0	4634.5	4561.0	4535.7
7.5°	4669.4	4679.1	4681.0	4677.1	4700.4	4704.3	4696.5	4696.5	4683.0	4609.4	4572.6
10°	4667.5	4669.4	4675.2	4684.9	4721.7	4731.4	4741.0	4756.6	4756.6	4696.5	4653.9
12.5°	4617.1	4619.0	4638.4	4683.0	4756.6	4772.1	4801.1	4843.7	4865.0	4832.1	4795.3
15°	4582.3	4582.3	4609.4	4679.1	4791.4	4812.7	4874.7	4940.5	5002.5	4998.7	4990.9
17.5°	4613.2	4619.0	4661.7	4721.7	4836.0	4859.2	4940.5	5047.0	5145.8	5188.4	5196.2
20°	4706.2	4712.0	4758.5	4820.5	4919.2	4936.7	5016.1	5143.9	5291.1	5384.1	5438.2
22.5°	4843.7	4847.6	4884.4	4930.9	5027.7	5039.3	5116.8	5254.3	5440.3	5599.0	5693.9
25°	4973.5	4981.2	5014.2	5049.0	5157.5	5167.1	5262.1	5407.3	5624.3	5837.3	6011.5
27.5°	5105.2	5118.7	5159.4	5207.8	5364.7	5368.6	5455.7	5599.0	5856.6	6147.1	6406.7
30°	5397.6	5382.2	5416.9	5480.8	5701.7	5715.2	5802.4	5963.1	6203.3	6530.6	6906.3
32.5°	5895.4	5877.9	5876.0	5970.8	6174.2	6240.1	6335.0	6588.7	6888.9	7214.2	7607.4
35°	6879.2	6852.0	6722.3	6691.4	6811.4	6904.4	7094.2	7466.0	7971.5	8682.3	9129.7
37.5°	8513.8	8478.9	8194.2	7859.2	7686.8	7744.9	7903.7	8418.9	9267.1	10772.0	11215.5
40°	10129.0	10136.8	9792.0	9234.3	8858.5	8870.2	8806.3	9400.8	10663.5	12722.3	12902.4
42.5°	11672.6	11659.0	11236.8	10727.5	10247.1	10152.3	9914.0	10429.2	11970.8	14294.9	14217.4
45°	13041.9	13014.7	12544.1	12259.4	11732.6	11682.2	11300.8	11473.1	13289.8	15546.0	15280.7
47.5°	14349.1	14325.8	13768.1	13498.9	13074.7	12987.6	12629.3	12716.5	14513.7	16529.9	16136.7
50°	15710.6	15757.1	14945.6	14635.7	14246.4	14132.2	13952.1	14004.4	15776.5	17455.6	16866.8
52.5°	17364.6	17130.2	16270.3	15697.0	15385.3	15362.0	15131.6	15241.9	17165.1	18269.0	17517.6
55°	19128.9	18819.1	17972.7	17225.2	16526.0	16566.7	16225.8	16388.5	18412.4	18972.0	18030.8
57.5°	20333.5	20325.8	20101.1	19386.5	18168.3	18083.1	17451.7	17589.3	19504.6	19698.3	18416.2
60°	21485.9	21801.6	22043.7	21724.1	21133.5	20862.2	19096.0	18840.4	20502.1	20354.8	18637.0
62.5°	22260.5	22357.4	23269.6	23538.8	24334.8	24282.5	22382.5	20354.8	21352.2	20780.9	18708.6
65°	21547.9	21627.3	23012.0	24307.6	26672.4	26780.9	25988.7	22855.2	22022.4	20928.1	18561.5
67.5°	19338.1	19396.2	21023.0	23705.4	27971.9	28115.2	27191.4	25463.9	22361.2	20902.9	18059.8
68°	18799.7	18840.4	20529.2	23451.7	28068.8	28146.3	27251.5	25680.8	22388.4	20873.9	17897.2
70°	16489.2	16481.4	18077.2	21944.9	27755.1	27778.3	26904.8	25917.1	22281.9	20598.8	16859.1
72.5°	12749.4	12997.2	14327.8	18484.0	26025.5	26211.4	25756.3	25264.4	21828.7	19487.2	14374.3
75°	9071.6	9265.2	10632.6	14415.0	22465.9	23052.7	23860.3	24040.4	20182.5	16748.6	10590.0
77.5°	6329.2	6534.5	7812.7	10766.1	18160.5	18927.5	20631.8	20899.1	16975.3	12697.1	5403.5
80°	4049.7	4245.3	5419.0	7830.1	13711.9	14366.5	16229.6	15844.2	11879.8	6801.7	947.0
82.5°	2461.5	2560.3	3447.3	5355.0	9993.5	10601.5	11221.3	9515.0	5686.2	962.5	304.1
85°	1398.3	1468.1	2114.9	3459.0	7059.4	7411.8	7551.3	4748.8	1183.4	259.6	174.4
87.5°	371.8	517.1	1142.7	2132.3	3551.9	3460.9	3730.1	1700.4	213.0	112.3	83.3
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°	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7
2.5°	4502.9	4499.0	4485.4	4479.7	4485.4	4479.7	4437.1	4440.9	4440.9	4419.6	4406.0
5°	4512.5	4502.9	4460.3	4452.5	4429.2	4392.4	4322.7	4307.2	4293.7	4258.8	4253.1
7.5°	4539.7	4526.1	4458.4	4427.3	4363.4	4297.6	4202.7	4146.5	4119.4	4076.8	4082.6
10°	4619.0	4590.0	4493.1	4433.1	4313.1	4204.6	4067.0	3981.8	3931.5	3867.6	3888.9
12.5°	4762.3	4717.8	4597.7	4493.1	4309.2	4148.4	3952.8	3795.9	3716.5	3643.0	3664.3
15°	4958.0	4909.6	4762.3	4603.6	4359.6	4125.2	3856.0	3608.1	3464.8	3369.8	3375.7
17.5°	5176.9	5134.3	4965.7	4754.6	4437.1	4109.7	3745.6	3412.5	3151.1	3015.4	3011.6
20°	5409.2	5384.1	5200.1	4915.4	4516.4	4074.9	3604.2	3162.6	2802.4	2573.9	2554.6
22.5°	5676.5	5664.8	5449.9	5074.2	4553.2	3995.4	3414.5	2852.8	2374.4	2064.6	2045.2
25°	6027.0	6009.6	5697.8	5184.6	4537.7	3861.9	3149.1	2480.9	1832.1	1475.8	1460.3
27.5°	6449.3	6362.0	5916.7	5240.8	4462.2	3650.7	2802.4	1929.0	1231.7	908.3	900.6
30°	6923.8	6753.4	6108.4	5246.5	4322.7	3356.3	2293.1	1247.3	716.6	511.3	507.4
32.5°	7539.6	7239.4	6315.6	5213.6	4109.7	2959.3	1638.5	714.7	360.3	275.0	275.0
35°	8752.0	8097.4	6580.9	5128.4	3813.4	2391.9	1010.9	346.7	211.1	207.2	209.1
37.5°	10553.1	9486.0	7014.7	4990.9	3418.3	1723.7	519.0	193.6	193.6	201.4	203.4
40°	12143.2	10938.6	7640.3	4797.2	2893.4	1090.3	247.9	182.1	193.6	195.7	199.5
42.5°	13402.0	12104.5	8300.7	4504.8	2277.6	581.0	207.2	176.3	180.1	178.2	185.9
45°	14409.1	13024.4	8810.1	4121.3	1607.4	298.3	214.9	170.4	156.9	156.9	160.8
47.5°	15193.6	13723.6	9129.7	3704.9	978.1	240.2	214.9	151.0	141.4	143.3	145.2
50°	15883.0	14246.4	9240.1	3191.7	491.9	244.0	207.2	143.3	125.9	127.8	131.7
52.5°	16378.7	14614.4	9156.8	2554.6	271.1	247.9	197.6	131.7	108.4	118.2	122.0
55°	16752.6	14788.8	8881.8	1816.7	246.0	244.0	191.7	118.2	96.9	116.2	122.0
57.5°	16963.7	14846.9	8415.0	1183.4	269.2	214.9	176.3	108.4	91.0	114.3	122.0
60°	17050.8	14740.3	7741.1	693.4	275.0	189.8	164.6	100.7	83.3	94.9	98.8
62.5°	16959.8	14467.2	6749.4	437.7	251.7	180.1	156.9	94.9	69.7	67.8	65.8
65°	16597.6	13791.3	5110.9	350.5	234.3	180.1	147.2	83.3	54.3	40.7	36.8
67.5°	15731.9	12396.9	2891.5	346.7	228.5	176.3	133.7	75.6	42.6	21.3	17.4
68°	15470.5	11995.9	2436.4	352.5	234.3	176.3	131.7	71.6	40.7	17.4	13.6
70°	13876.5	9832.7	840.5	339.0	267.3	185.9	125.9	62.0	33.0	7.7	5.8
72.5°	10566.7	6040.6	371.8	273.0	294.3	193.6	125.9	60.0	27.1	1.9	0.0
75°	6143.3	1487.4	317.7	184.0	246.0	230.4	145.2	69.7	25.2	0.0	0.0
77.5°	1489.4	342.8	277.0	106.5	193.6	251.7	172.3	77.5	27.1	0.0	0.0
80°	354.4	267.3	269.2	67.8	155.0	224.7	149.1	83.3	38.7	0.0	0.0
82.5°	234.3	211.1	240.2	36.8	89.1	166.5	104.6	52.3	48.4	0.0	0.0
85°	158.8	193.6	137.5	21.3	34.9	56.2	42.6	7.7	9.6	0.0	0.0
87.5°	89.1	56.2	23.2	9.6	7.7	5.8	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)