

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: P322970

Luminaire Tested: **GAN-SA6C-760-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-760-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30661 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

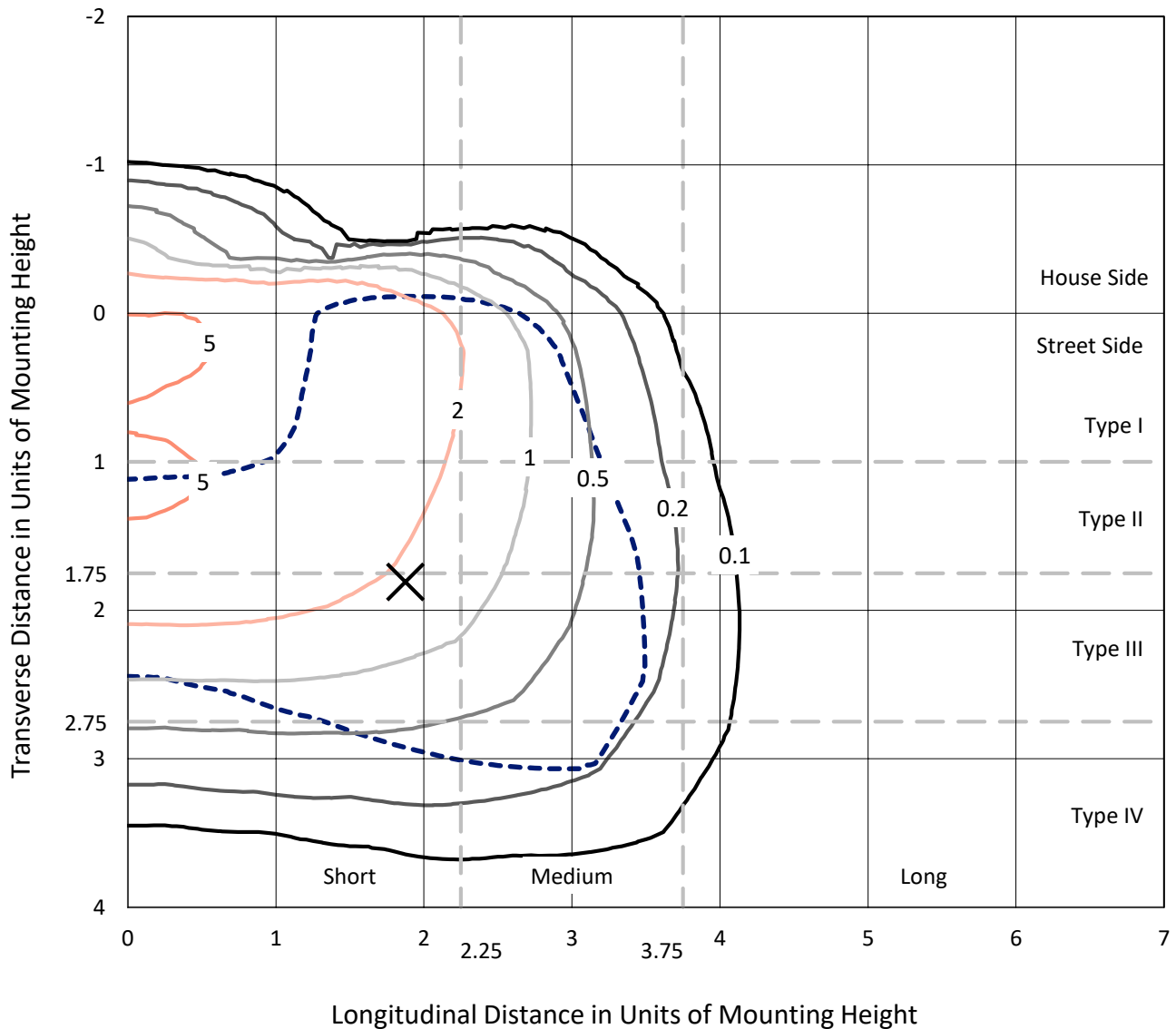
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

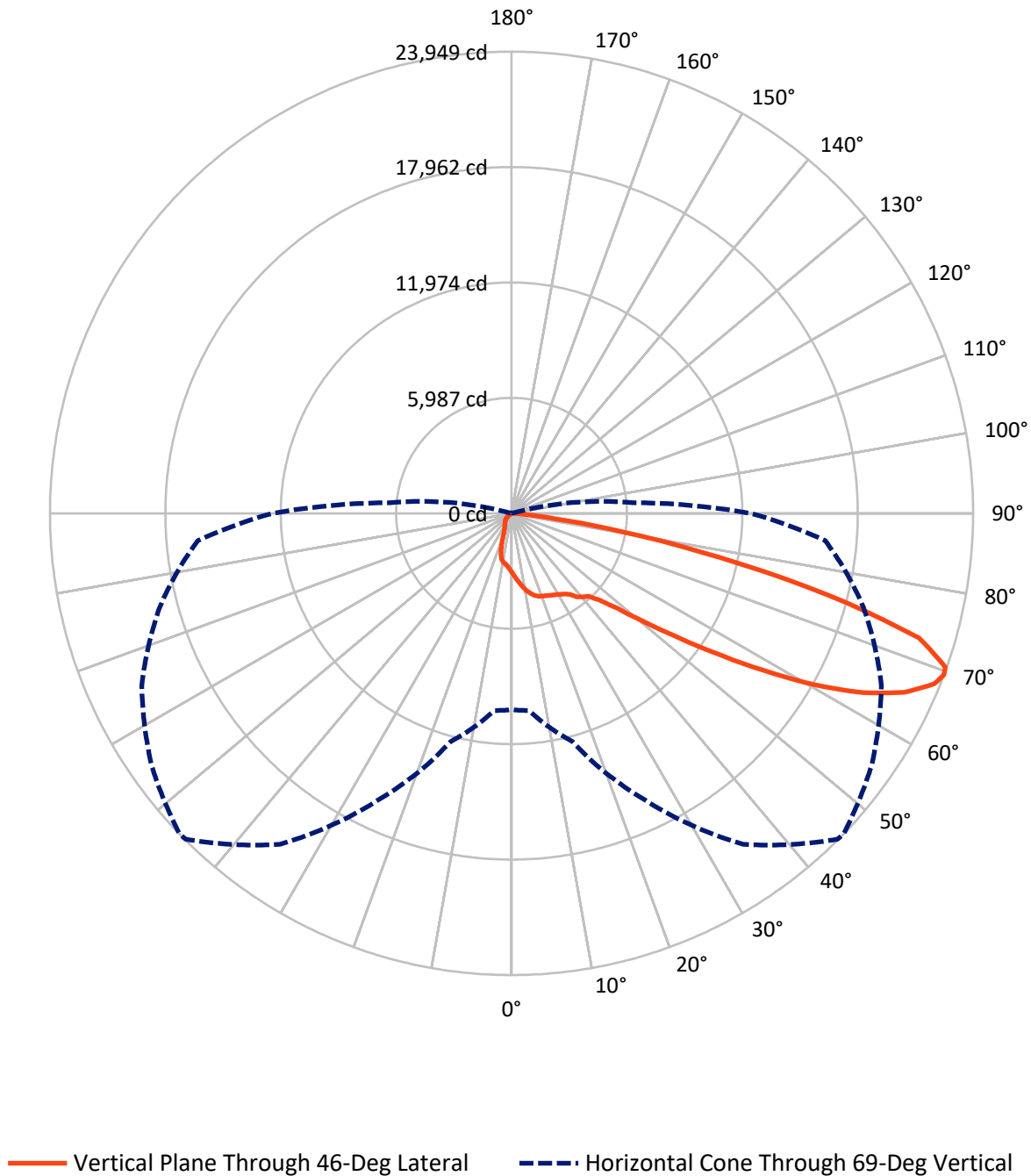
✕ Max cd
 - - - 1/2 Max cd



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



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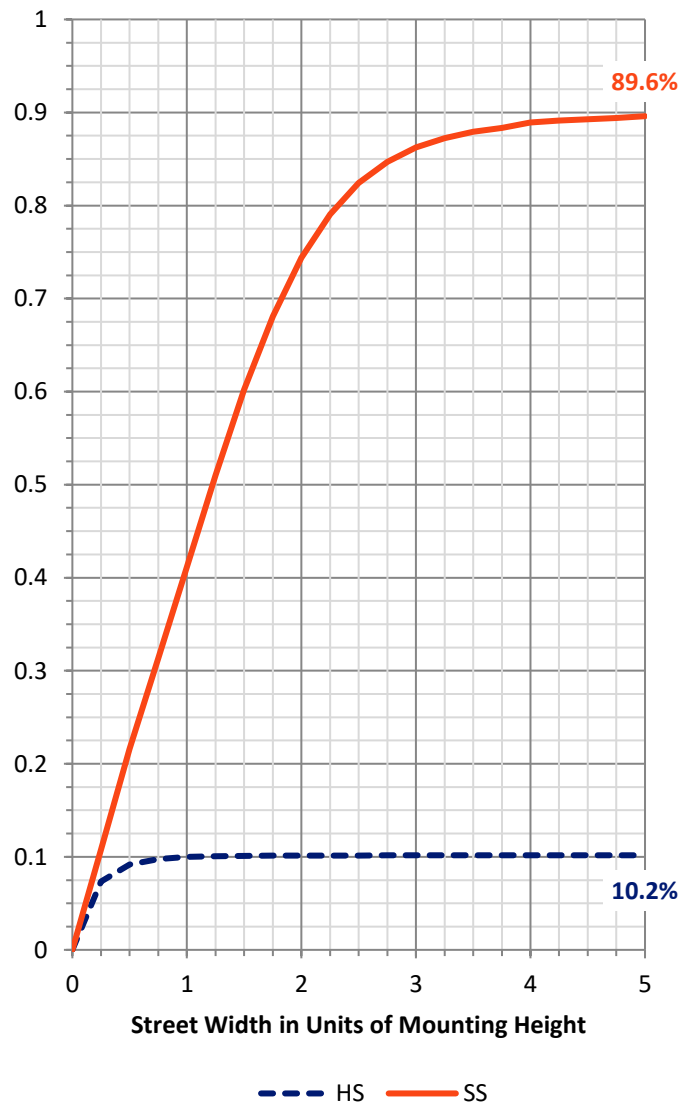
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3146.7	0.0	3146.7
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	27514.4	0.0	27514.4
	% Fixture	89.7	0.0	89.7
Total	Lumens	30661.0	0.0	30661.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.8	1.0
10°-20°	927.7	3.0
20°-30°	1458.9	4.8
30°-40°	2092.1	6.8
40°-50°	3615.9	11.8
50°-60°	7143.6	23.3
60°-70°	9983.8	32.6
70°-80°	4823.2	15.7
80°-90°	310.0	1.0
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°	30661.0	100.0
0°-180°	30661.0	100.0

Coefficient of Utilization



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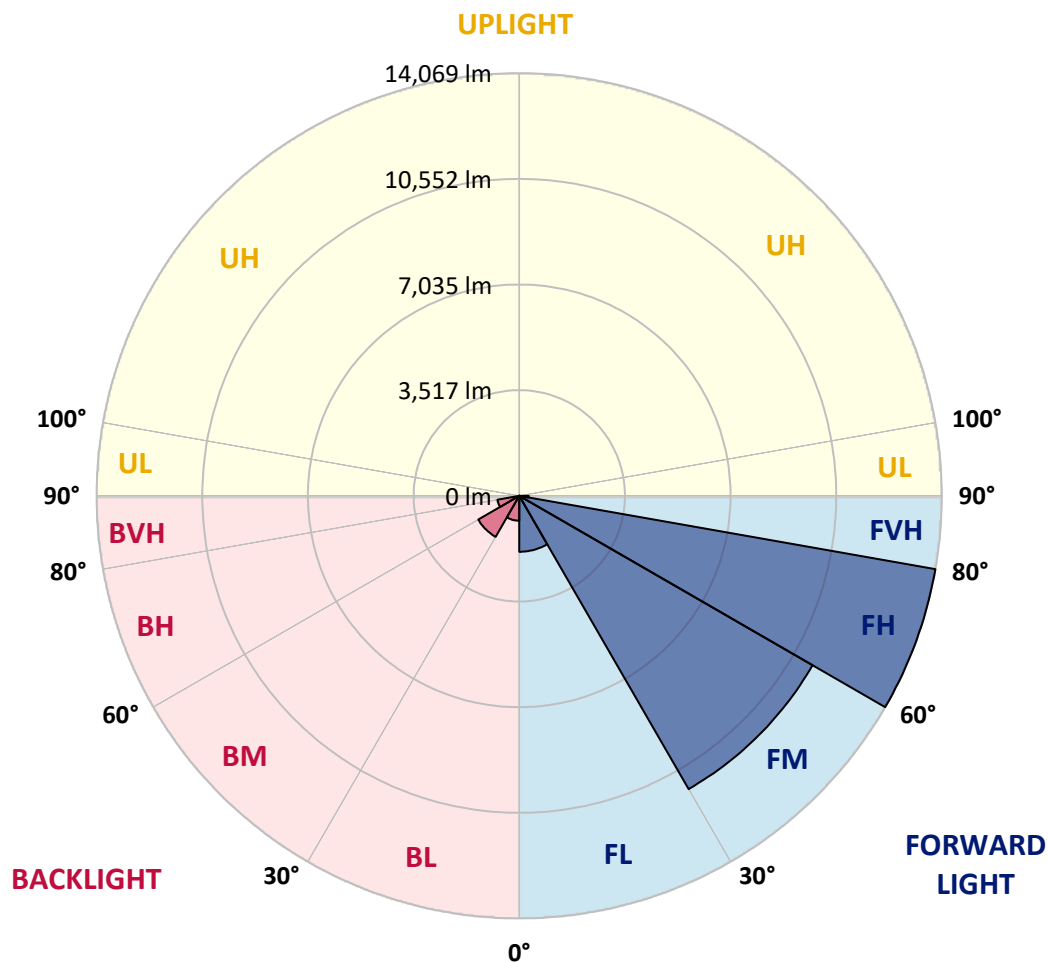
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1863.0	6.1			
FM	(30°-60°)	11274.7	36.8			
FH	(60°-80°)	14069.2	45.9			G5
FVH	(80°-90°)	307.4	1.0			G3/500
BL	(0°-30°)	829.3	2.7	B2/1000		
BM	(30°-60°)	1576.9	5.1	B2/2500		
BH	(60°-80°)	737.8	2.4	B2/1000		G2/1000
BVH	(80°-90°)	2.6	0.0			G0/10
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°	45°	46°	55°	65°	75°	85°
0°	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1
2.5°	3412.8	3408.5	3388.4	3379.8	3330.9	3302.1	3290.6	3254.7	3202.9	3151.2	3093.7
5°	3801.0	3799.5	3762.2	3726.2	3634.2	3548.0	3532.1	3448.8	3332.3	3223.1	3113.8
7.5°	4197.7	4179.1	4141.7	4072.7	3939.0	3801.0	3788.0	3670.2	3504.8	3346.7	3190.0
10°	4534.1	4522.6	4473.8	4368.8	4212.1	4055.4	4039.6	3894.4	3707.5	3513.5	3313.6
12.5°	4795.8	4787.2	4722.5	4591.6	4424.9	4262.4	4240.9	4111.5	3911.7	3694.6	3458.8
15°	4955.4	4951.0	4872.0	4732.5	4568.6	4427.8	4409.1	4295.5	4110.1	3882.9	3617.0
17.5°	4992.7	4994.2	4912.2	4771.3	4636.2	4535.6	4521.2	4434.9	4279.7	4054.0	3775.1
20°	4909.4	4926.6	4853.3	4731.1	4647.7	4594.5	4583.0	4531.3	4400.4	4187.7	3901.6
22.5°	4791.5	4800.1	4749.8	4667.8	4633.3	4643.4	4637.6	4608.9	4498.2	4302.7	4026.7
25°	4719.6	4719.6	4689.4	4620.4	4643.4	4705.2	4706.7	4700.9	4613.2	4443.6	4179.1
27.5°	4716.7	4708.1	4673.6	4621.8	4685.1	4780.0	4785.7	4824.5	4769.9	4614.6	4368.8
30°	4831.7	4821.7	4748.3	4680.8	4761.3	4863.3	4877.7	4962.5	4935.2	4800.1	4580.1
32.5°	5100.5	5064.6	4902.2	4791.5	4851.8	4974.0	4992.7	5127.9	5171.0	5028.7	4784.3
35°	5468.6	5355.0	5120.7	5001.4	5007.1	5135.1	5152.3	5350.7	5478.6	5238.6	4942.4
37.5°	5976.0	5920.0	5539.0	5219.9	5245.7	5439.8	5490.1	5705.8	5669.8	5353.6	5122.1
40°	7088.7	7001.0	6595.6	5832.3	5474.3	5687.1	5702.9	5817.9	5820.8	5613.8	5495.9
42.5°	8603.9	8568.0	8141.0	6943.5	5924.3	5852.4	5881.2	6075.2	6292.3	6162.9	6157.2
45°	10281.6	10262.9	9810.1	8418.5	6834.3	6394.4	6430.3	6690.5	7106.0	7134.7	7317.3
47.5°	11631.5	11622.9	11362.7	10064.5	8227.3	7313.0	7324.5	7600.5	8330.8	8691.6	8983.5
50°	12862.1	12903.8	12698.2	11845.7	10124.9	8752.0	8724.7	8908.7	10081.8	10672.6	11034.9
52.5°	14572.8	14631.7	14055.3	13507.5	12116.0	10537.5	10515.9	10708.6	12186.4	12629.2	12693.9
55°	16083.7	15983.1	15527.3	15369.2	14544.0	12742.7	12737.0	12906.6	14222.0	14410.3	14529.7
57.5°	16750.7	16711.9	16931.9	17294.1	17087.1	15349.1	15336.1	15206.8	16043.4	16063.6	16430.2
60°	17171.9	17219.4	17893.6	19010.6	19526.7	18153.8	18070.4	17281.2	17782.9	17738.4	18130.8
62.5°	16855.7	16949.1	18162.4	20024.1	21352.4	20602.0	20484.1	19181.7	19269.4	19115.6	19480.7
65°	15176.6	15321.8	17310.0	19832.9	22258.1	22515.4	22396.1	20859.3	20449.6	20196.6	19993.9
67.5°	12323.0	12409.2	14485.1	18169.6	21849.8	23656.9	23632.4	22330.0	21340.9	20014.0	18441.3
69°	10183.8	10268.7	12266.9	16418.7	20951.4	23901.3	23948.7	22801.5	21171.3	18904.2	16339.6
70°	8625.5	8716.1	10577.7	14917.8	19909.1	23787.7	23872.5	22757.0	20685.4	17619.0	14495.2
72.5°	4524.1	4601.7	6512.3	10277.3	16230.3	21842.7	22100.0	20833.5	17534.2	12795.9	8570.9
75°	1421.8	1466.3	2543.1	5372.3	11112.5	16983.6	17042.6	16342.5	12450.9	7038.4	3569.5
77.5°	542.0	529.0	846.7	1979.6	5618.1	10694.2	11055.0	10212.6	6533.8	2488.5	823.7
80°	291.8	293.3	439.9	819.4	2403.6	5495.9	5800.7	4949.6	2321.7	776.3	189.8
82.5°	126.5	132.3	247.3	434.2	1104.1	2027.0	2179.4	1814.2	887.0	521.8	70.4
85°	27.3	30.2	119.3	235.8	450.0	569.3	596.6	588.0	565.0	405.4	27.3
87.5°	0.0	0.0	53.2	84.8	113.6	129.4	113.6	148.1	312.0	273.1	14.4
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°	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1	3072.1
2.5°	3075.0	3049.1	3004.6	2955.7	2921.2	2885.2	2856.5	2843.5	2829.2	2819.1	2832.0
5°	3069.2	3018.9	2932.7	2849.3	2788.9	2740.0	2699.8	2684.0	2668.2	2656.7	2655.2
7.5°	3119.6	3049.1	2916.9	2794.7	2701.2	2635.1	2580.5	2557.5	2538.8	2530.1	2523.0
10°	3215.9	3125.3	2948.5	2788.9	2668.2	2556.0	2438.1	2347.6	2288.6	2261.3	2251.3
12.5°	3340.9	3227.4	3008.9	2819.1	2643.7	2428.1	2177.9	1962.3	1822.9	1776.9	1749.5
15°	3487.6	3346.7	3087.9	2857.9	2554.6	2160.7	1736.6	1454.8	1325.5	1299.6	1270.8
17.5°	3628.5	3473.2	3182.8	2865.1	2359.1	1726.5	1272.3	1081.1	1030.7	1048.0	1052.3
20°	3752.1	3598.3	3276.3	2801.9	2004.0	1295.3	984.7	937.3	956.0	989.1	994.8
22.5°	3877.2	3719.0	3362.5	2635.1	1549.7	983.3	887.0	898.5	917.2	950.2	956.0
25°	4029.5	3865.7	3443.0	2328.9	1163.0	836.7	842.4	859.7	878.4	908.6	911.4
27.5°	4204.9	4051.1	3496.2	1930.7	862.6	769.1	787.8	813.7	832.4	861.1	866.9
30°	4437.8	4295.5	3513.5	1518.1	723.1	708.7	717.4	749.0	776.3	802.2	806.5
32.5°	4656.3	4537.0	3456.0	1145.8	669.9	652.7	652.7	671.4	703.0	727.4	733.2
35°	4857.6	4780.0	3271.9	838.1	629.7	600.9	586.5	586.5	606.7	626.8	632.5
37.5°	5123.6	5120.7	2974.4	668.5	590.8	557.8	527.6	504.6	497.4	501.7	504.6
40°	5579.3	5583.6	2586.2	599.5	557.8	513.2	467.2	425.5	386.7	373.8	372.3
42.5°	6290.9	6226.2	2179.4	566.4	529.0	467.2	398.2	342.1	281.8	263.1	261.6
45°	7420.8	7037.0	1748.1	536.2	498.8	415.5	329.2	253.0	204.1	189.8	189.8
47.5°	9066.8	8102.2	1354.2	503.2	458.6	356.5	248.7	182.6	149.5	142.3	143.8
50°	10768.9	9145.9	1037.9	461.5	409.7	294.7	184.0	132.3	113.6	113.6	115.0
52.5°	12278.4	9910.7	809.4	416.9	349.3	231.5	139.4	103.5	94.9	93.4	94.9
55°	13691.6	10403.8	619.6	365.1	277.5	172.5	106.4	84.8	79.1	76.2	74.8
57.5°	15054.4	10648.2	464.3	294.7	201.3	125.1	84.8	71.9	66.1	61.8	60.4
60°	15961.5	10449.8	319.1	217.1	139.4	90.6	70.4	61.8	54.6	50.3	48.9
62.5°	16473.3	9907.8	205.6	156.7	99.2	67.6	56.1	51.8	41.7	37.4	37.4
65°	16266.3	9013.7	143.8	112.1	71.9	50.3	41.7	41.7	30.2	24.4	23.0
67.5°	14414.7	7614.9	109.3	83.4	51.8	37.4	31.6	35.9	18.7	11.5	11.5
69°	12402.0	6311.0	93.4	69.0	43.1	30.2	27.3	33.1	12.9	8.6	7.2
70°	10779.0	5444.1	84.8	60.4	35.9	25.9	24.4	31.6	12.9	7.2	5.8
72.5°	6449.0	3036.2	64.7	43.1	23.0	20.1	20.1	35.9	12.9	7.2	5.8
75°	2606.3	1069.6	47.4	30.2	17.3	17.3	24.4	46.0	11.5	5.8	4.3
77.5°	590.8	234.3	27.3	18.7	11.5	17.3	28.8	35.9	7.2	2.9	0.0
80°	143.8	57.5	17.3	11.5	7.2	12.9	21.6	20.1	1.4	0.0	0.0
82.5°	47.4	20.1	7.2	5.8	1.4	4.3	10.1	5.8	0.0	0.0	0.0
85°	20.1	11.5	2.9	1.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0
87.5°	12.9	4.3	0.0	0.0	0.0	0.0	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)