

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: P323460

Luminaire Tested: **GAN-SA6D-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33156 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

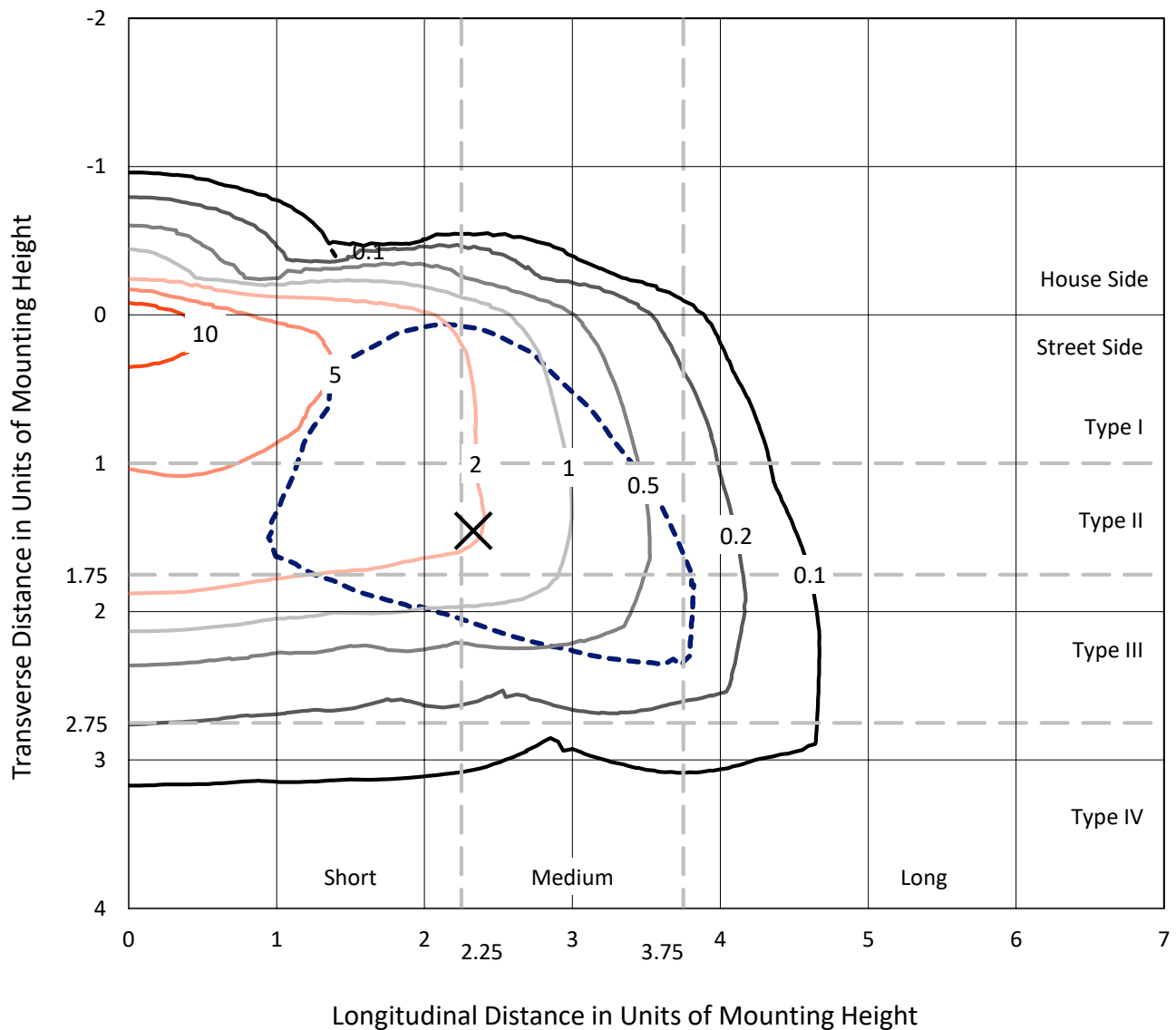
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

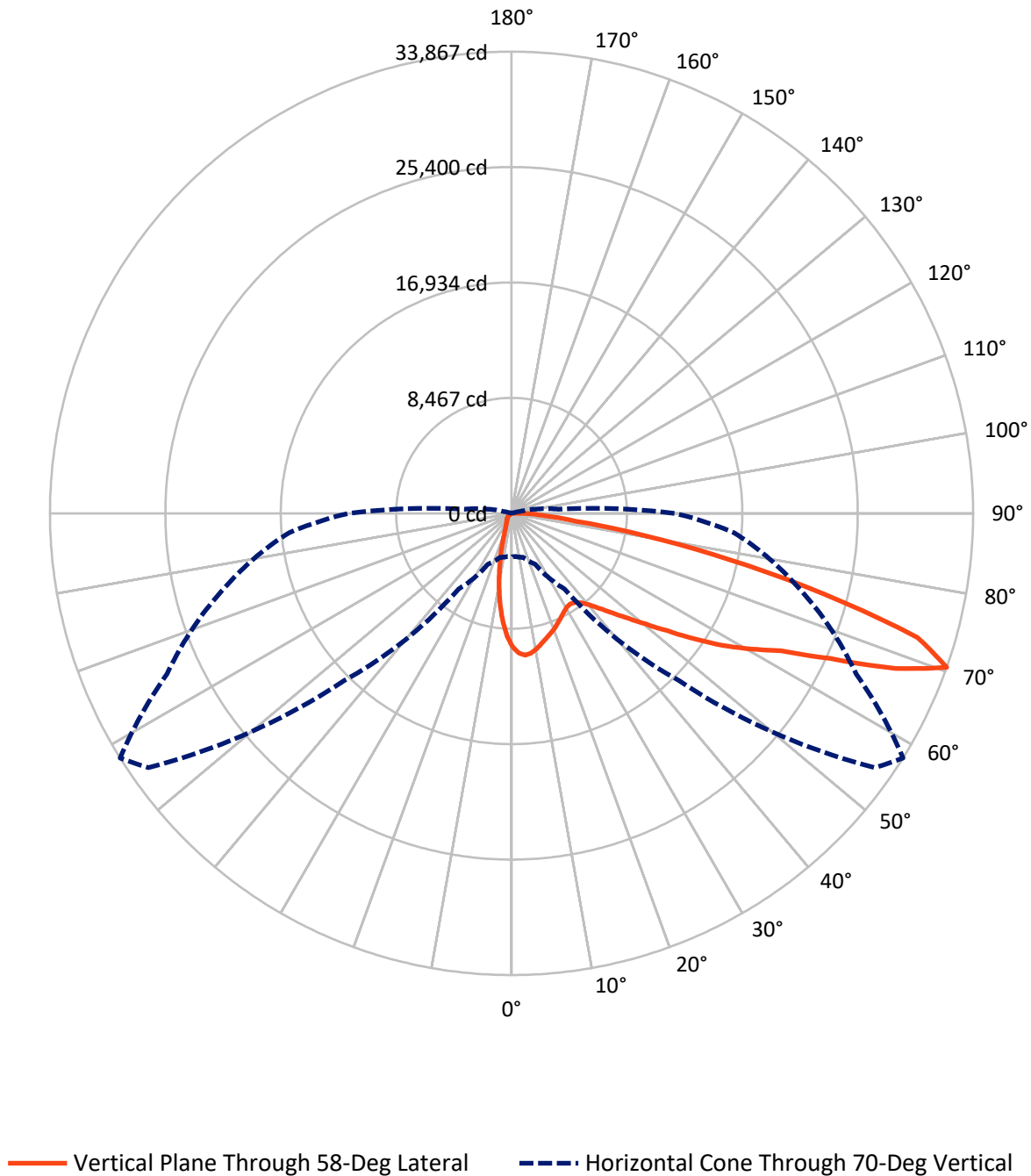
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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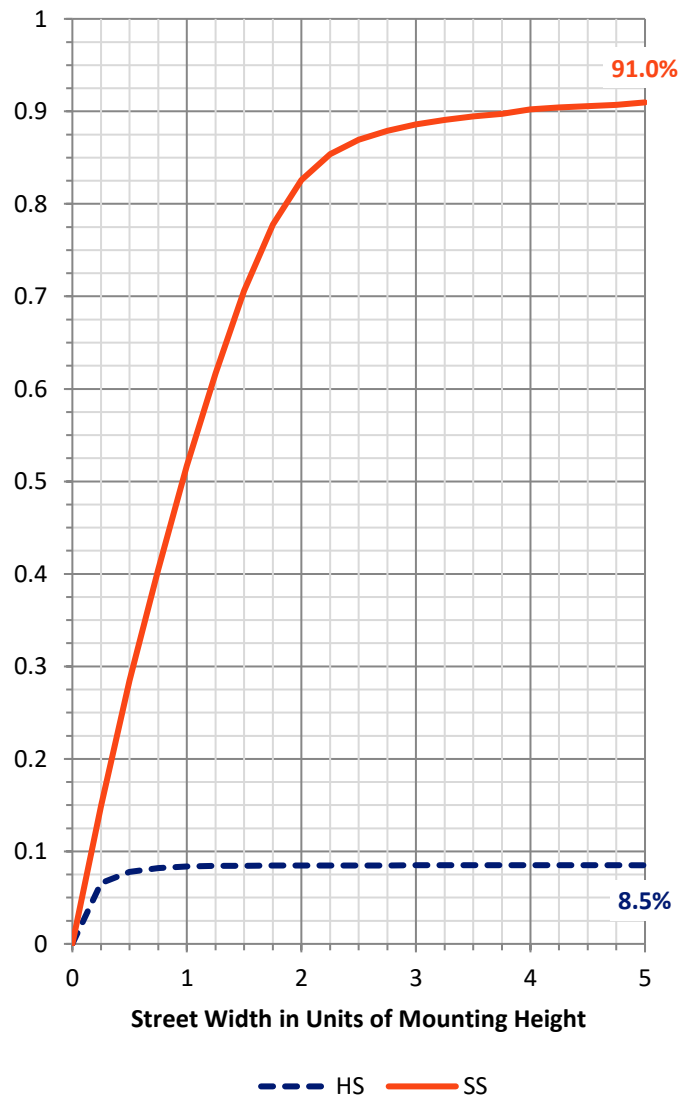
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2837.4	0.0	2837.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	30318.6	0.0	30318.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	33156.0	0.0	33156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.9	2.4
10°-20°	1680.9	5.1
20°-30°	2209.8	6.7
30°-40°	2926.7	8.8
40°-50°	4374.5	13.2
50°-60°	7007.7	21.1
60°-70°	8833.2	26.6
70°-80°	4764.6	14.4
80°-90°	557.7	1.7
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°	33156.0	100.0
0°-180°	33156.0	100.0

Coefficient of Utilization



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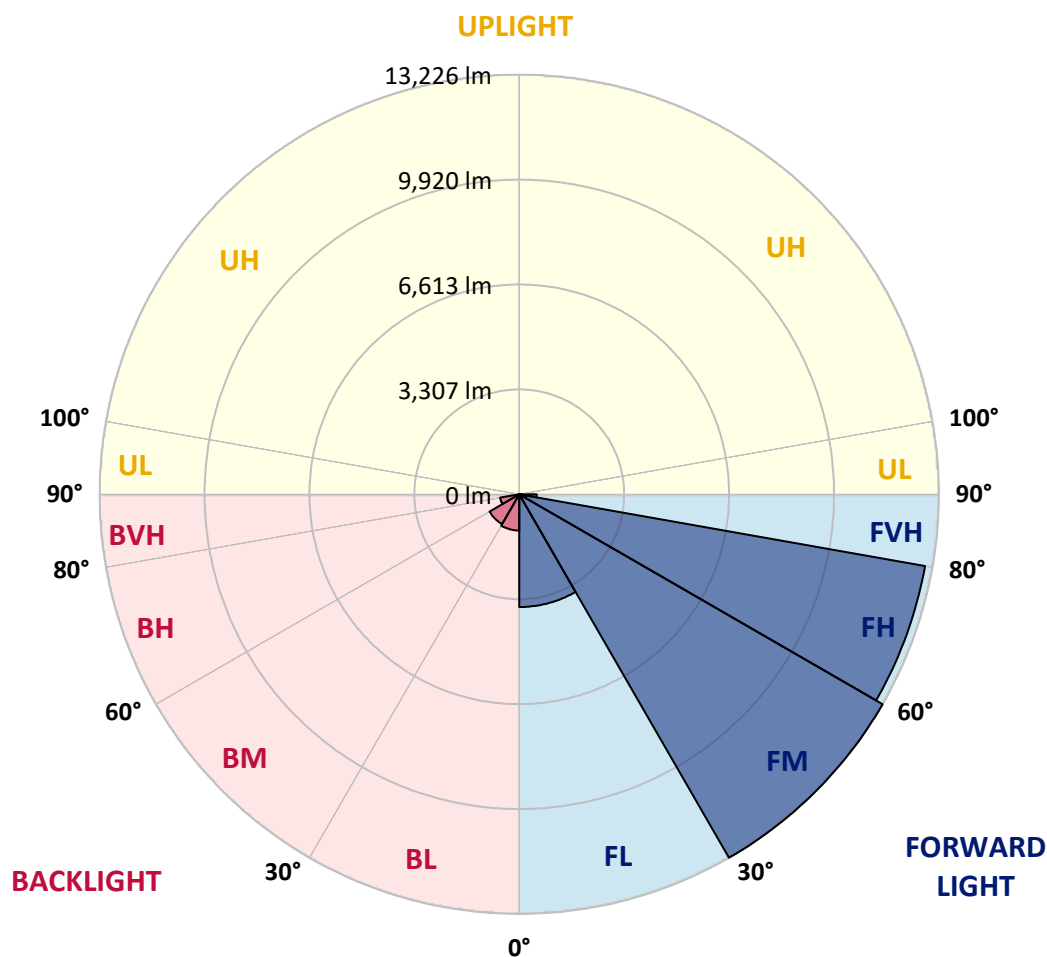
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3551.7	10.7			
FM	(30°-60°)	13226.4	39.9			
FH	(60°-80°)	12987.6	39.2			G5
FVH	(80°-90°)	552.9	1.7			G4/750
BL	(0°-30°)	1140.0	3.4	B3/2500		
BM	(30°-60°)	1082.4	3.3	B2/2500		
BH	(60°-80°)	610.2	1.8	B2/1000		G2/1000
BVH	(80°-90°)	4.8	0.0			G0/10
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°	58°	65°	75°	85°
0°	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1
2.5°	10606.2	10580.0	10570.3	10553.8	10490.4	10428.3	10305.6	10271.1	10193.9	10010.6	9816.2
5°	10614.4	10613.1	10642.0	10635.1	10613.1	10584.1	10495.9	10450.4	10319.4	10057.5	9701.8
7.5°	10102.9	10129.1	10193.9	10246.3	10307.0	10385.6	10396.6	10352.5	10245.0	9962.3	9490.8
10°	9416.4	9457.7	9548.7	9652.1	9810.7	9967.8	10108.5	10102.9	10065.7	9787.2	9237.1
12.5°	8728.4	8776.7	8881.4	9034.5	9259.2	9515.6	9766.6	9801.0	9863.1	9630.1	9002.8
15°	8125.9	8167.3	8270.7	8458.2	8736.7	9081.3	9449.5	9512.9	9672.8	9507.4	8807.0
17.5°	7614.4	7640.6	7716.5	7924.6	8247.2	8665.0	9143.4	9267.5	9506.0	9410.9	8637.4
20°	7257.4	7261.5	7311.1	7457.3	7779.9	8247.2	8826.3	9004.1	9329.5	9328.1	8462.3
22.5°	7080.9	7067.1	7076.8	7160.9	7398.0	7848.8	8509.2	8720.1	9171.0	9257.8	8284.5
25°	7047.8	7036.8	7009.2	7020.2	7163.6	7500.0	8189.3	8433.4	9031.7	9215.1	8130.1
27.5°	7151.2	7162.2	7115.4	7065.7	7076.8	7273.9	7905.3	8188.0	8918.7	9215.1	8021.1
30°	7359.4	7364.9	7330.4	7265.6	7178.8	7210.5	7708.2	7990.8	8862.1	9278.5	7952.2
32.5°	7589.6	7620.0	7615.8	7563.4	7439.3	7311.1	7661.3	7919.1	8858.0	9419.1	7945.3
35°	7875.0	7909.5	7967.4	7956.3	7826.8	7615.8	7821.2	8023.9	8939.3	9650.7	8019.8
37.5°	8178.3	8230.7	8354.8	8414.1	8330.0	8091.5	8179.7	8324.5	9157.2	10025.7	8208.6
40°	8472.0	8531.3	8757.4	8990.4	8926.9	8681.5	8722.9	8838.7	9544.6	10564.8	8567.1
42.5°	8760.1	8848.4	9180.6	9563.9	9639.7	9443.9	9466.0	9558.4	10119.5	11306.5	9153.0
45°	9104.8	9204.1	9696.2	10169.1	10371.8	10286.3	10380.1	10440.7	10870.9	12286.8	9943.0
47.5°	9610.8	9725.2	10329.1	10868.1	11223.8	11279.0	11467.8	11507.8	11820.8	13428.3	10972.9
50°	10597.9	10629.6	11175.6	11665.0	12177.9	12508.7	12723.8	12754.1	12970.6	14676.0	12259.2
52.5°	11840.1	11860.8	12169.6	12497.7	13080.9	13756.4	14259.7	14302.4	14347.9	15892.0	13529.0
55°	13074.0	13071.2	13275.3	13468.3	14135.6	15117.2	16209.1	16235.3	15908.6	17046.0	14499.6
57.5°	13844.7	13919.1	14229.3	14477.5	15409.5	16668.2	18183.4	18279.9	17547.8	17900.7	15459.1
60°	13599.3	13635.1	14323.1	15241.3	16996.3	18872.7	20181.1	20205.9	18780.3	18754.2	16672.3
62.5°	11586.4	11605.7	12686.6	14579.5	17800.1	21732.1	22591.0	22187.1	20197.6	19938.4	18124.1
65°	7941.2	8066.6	8969.7	11309.3	16323.5	23525.8	26321.7	25653.1	22358.0	21645.2	19436.6
67.5°	4676.5	4650.3	5097.0	6820.3	11989.0	22334.6	31040.9	30376.4	25304.2	22788.2	19051.9
70°	3194.4	3176.5	3347.4	4129.1	6767.9	17325.8	32525.8	33867.2	27905.8	22018.9	16396.6
72.5°	2280.3	2290.0	2542.3	3208.2	4249.1	10094.7	27970.6	31145.7	27091.0	19195.3	12463.2
75°	1548.3	1574.4	1935.7	2631.9	3725.2	5135.6	19848.8	23676.0	22060.2	13950.8	7163.6
77.5°	832.7	861.7	1287.7	2120.4	3368.1	3568.0	12767.9	16294.6	13857.1	6271.6	2076.3
80°	347.4	364.0	602.5	1541.4	2910.4	3133.7	7512.4	9881.0	5904.9	1236.7	463.2
82.5°	150.3	158.5	250.9	919.6	2175.6	2645.7	3977.5	4753.7	1789.5	271.6	233.0
85°	29.0	30.3	103.4	486.7	1388.3	1493.1	2578.1	2527.1	803.8	117.2	169.6
87.5°	0.0	0.0	24.8	153.0	408.1	813.4	1573.1	1553.8	273.0	56.5	63.4
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°	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1	9794.1
2.5°	9716.9	9621.8	9421.9	9175.1	8986.2	8778.0	8612.6	8403.0	8312.0	8316.2	8266.6
5°	9499.1	9303.3	8860.8	8302.4	7872.2	7428.3	7046.4	6665.9	6441.2	6368.1	6299.2
7.5°	9187.5	8877.3	8171.4	7311.1	6583.2	5871.8	5252.8	4708.2	4363.5	4195.3	4133.3
10°	8835.9	8400.3	7378.7	6245.4	5205.9	4243.6	3441.2	2743.6	2465.1	2276.2	2227.9
12.5°	8527.1	7937.0	6603.9	5152.1	3918.2	2757.4	1992.2	1557.9	1369.0	1294.6	1282.2
15°	8236.2	7504.1	5858.0	4162.2	2713.2	1697.2	1267.0	1119.5	1075.4	1063.0	1063.0
17.5°	7961.9	7091.9	5128.7	3187.5	1795.0	1189.8	1049.2	1016.1	1002.3	1000.9	1002.3
20°	7675.1	6679.7	4411.8	2335.5	1253.2	1007.8	969.2	951.3	947.2	947.2	947.2
22.5°	7400.7	6267.5	3714.2	1668.2	1005.1	919.6	900.3	887.9	883.7	882.4	879.6
25°	7137.4	5875.9	3033.1	1178.8	882.4	842.4	825.8	809.3	796.9	790.0	785.8
27.5°	6921.0	5527.1	2398.9	945.8	796.9	762.4	741.7	716.9	686.6	672.8	667.3
30°	6748.6	5208.6	1848.8	798.3	716.9	682.4	650.7	608.0	563.9	540.4	539.1
32.5°	6613.5	4895.7	1403.5	705.9	645.2	602.5	557.0	503.2	452.2	426.0	424.6
35°	6547.3	4619.9	1072.6	638.3	581.8	528.0	471.5	412.2	362.6	337.8	335.0
37.5°	6591.5	4387.0	836.9	581.8	528.0	466.0	399.8	337.8	293.7	271.6	270.2
40°	6752.8	4238.1	679.7	533.5	482.5	406.7	335.0	277.1	239.9	222.0	220.6
42.5°	7096.1	4182.9	580.4	493.6	438.4	351.6	278.5	228.9	194.4	182.0	179.2
45°	7669.6	4264.2	512.9	455.0	392.9	299.2	230.2	187.5	157.2	147.5	146.1
47.5°	8433.4	4477.9	464.6	417.7	351.6	252.3	191.6	151.7	128.2	118.6	117.2
50°	9417.7	4817.1	424.6	380.5	313.0	213.7	158.5	119.9	99.3	92.4	92.4
52.5°	10489.0	5221.1	388.8	346.0	274.4	177.8	128.2	92.4	78.6	70.3	70.3
55°	11374.1	5574.0	350.2	319.9	227.5	147.5	97.9	70.3	57.9	53.8	53.8
57.5°	12257.8	5950.4	306.1	274.4	182.0	119.9	74.4	52.4	42.7	40.0	40.0
60°	13403.5	6410.9	263.3	223.3	143.4	91.0	55.1	37.2	31.7	30.3	30.3
62.5°	14663.6	6681.1	224.7	179.2	111.7	67.6	40.0	24.8	23.4	23.4	22.1
65°	15434.3	6299.2	188.9	143.4	86.9	51.0	26.2	17.9	20.7	19.3	16.5
67.5°	14451.3	4931.5	154.4	111.7	67.6	38.6	16.5	12.4	22.1	17.9	13.8
70°	11965.5	3452.2	119.9	78.6	53.8	33.1	11.0	8.3	23.4	17.9	11.0
72.5°	8954.5	2310.7	95.1	52.4	40.0	29.0	9.7	4.1	20.7	15.2	9.7
75°	4892.9	930.6	75.8	33.1	24.8	20.7	6.9	2.8	13.8	11.0	6.9
77.5°	1287.7	245.4	55.1	22.1	13.8	8.3	4.1	1.4	6.9	5.5	2.8
80°	328.1	95.1	35.8	15.2	9.7	4.1	0.0	0.0	1.4	0.0	0.0
82.5°	175.1	40.0	22.1	11.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	132.4	26.2	12.4	6.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	51.0	8.3	4.1	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)