

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: P323450

Luminaire Tested: **GAN-SA6C-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323450
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-SA6C-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA 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: 30225 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

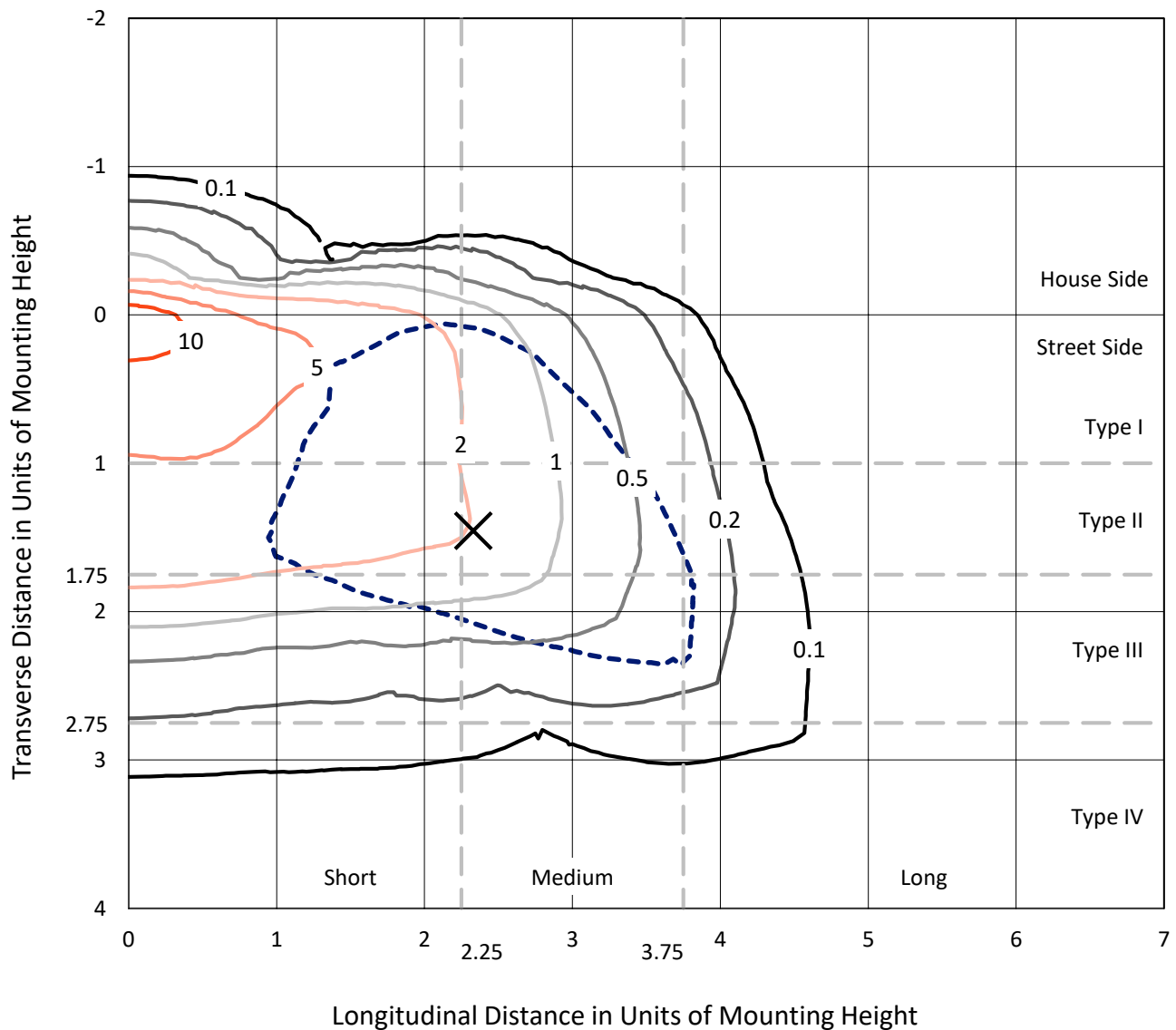
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

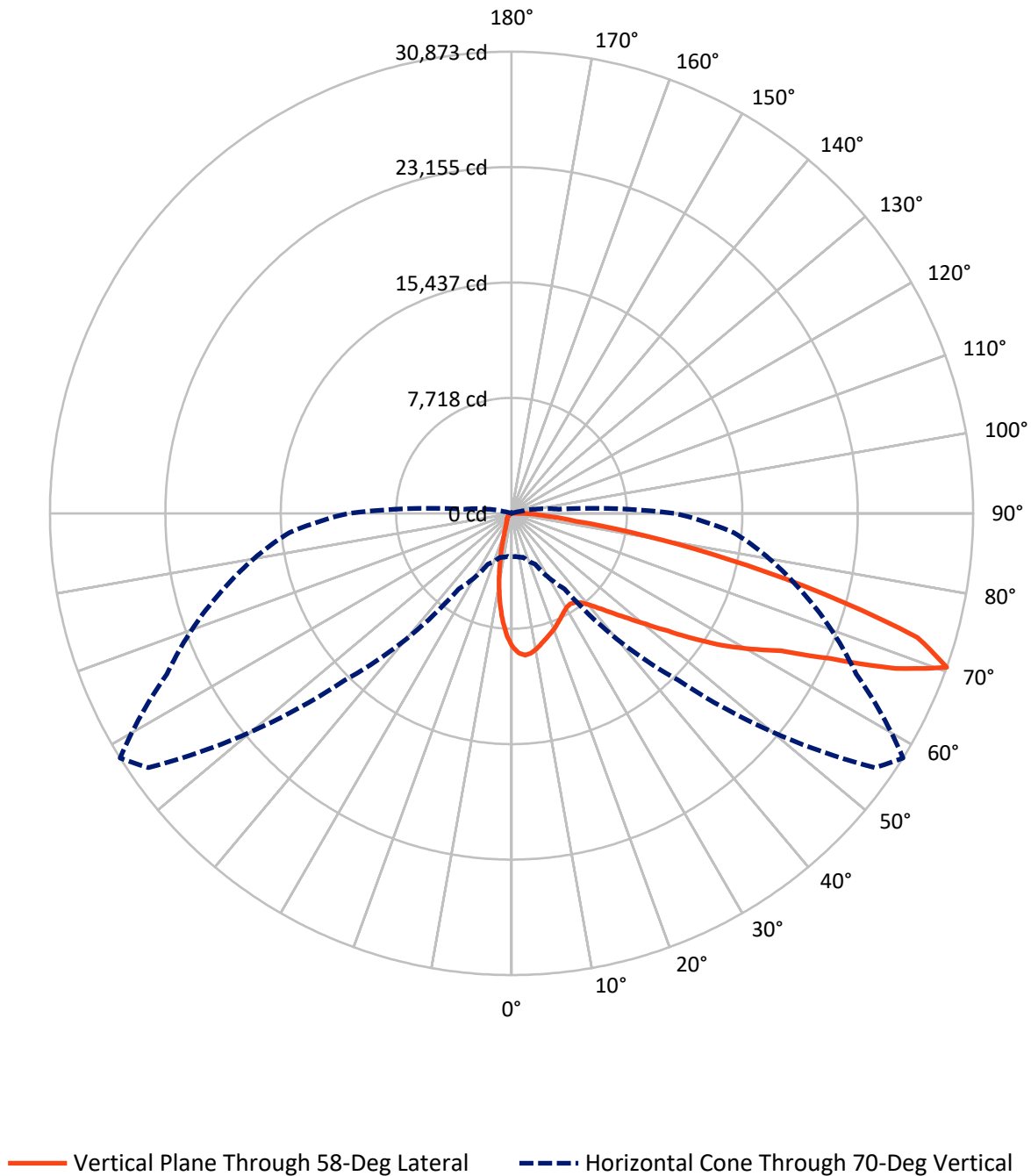
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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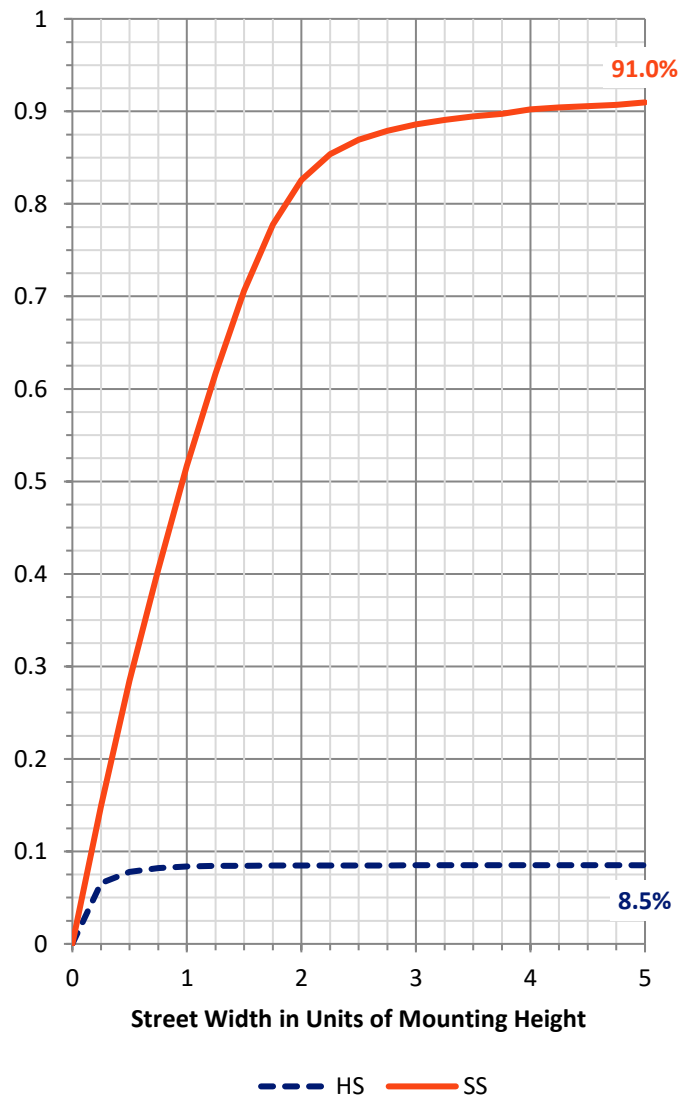
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2586.6	0.0	2586.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	27638.4	0.0	27638.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	30225.0	0.0	30225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	730.1	2.4
10°-20°	1532.3	5.1
20°-30°	2014.5	6.7
30°-40°	2668.0	8.8
40°-50°	3987.8	13.2
50°-60°	6388.2	21.1
60°-70°	8052.3	26.6
70°-80°	4343.4	14.4
80°-90°	508.4	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°	30225.0	100.0
0°-180°	30225.0	100.0

Coefficient of Utilization



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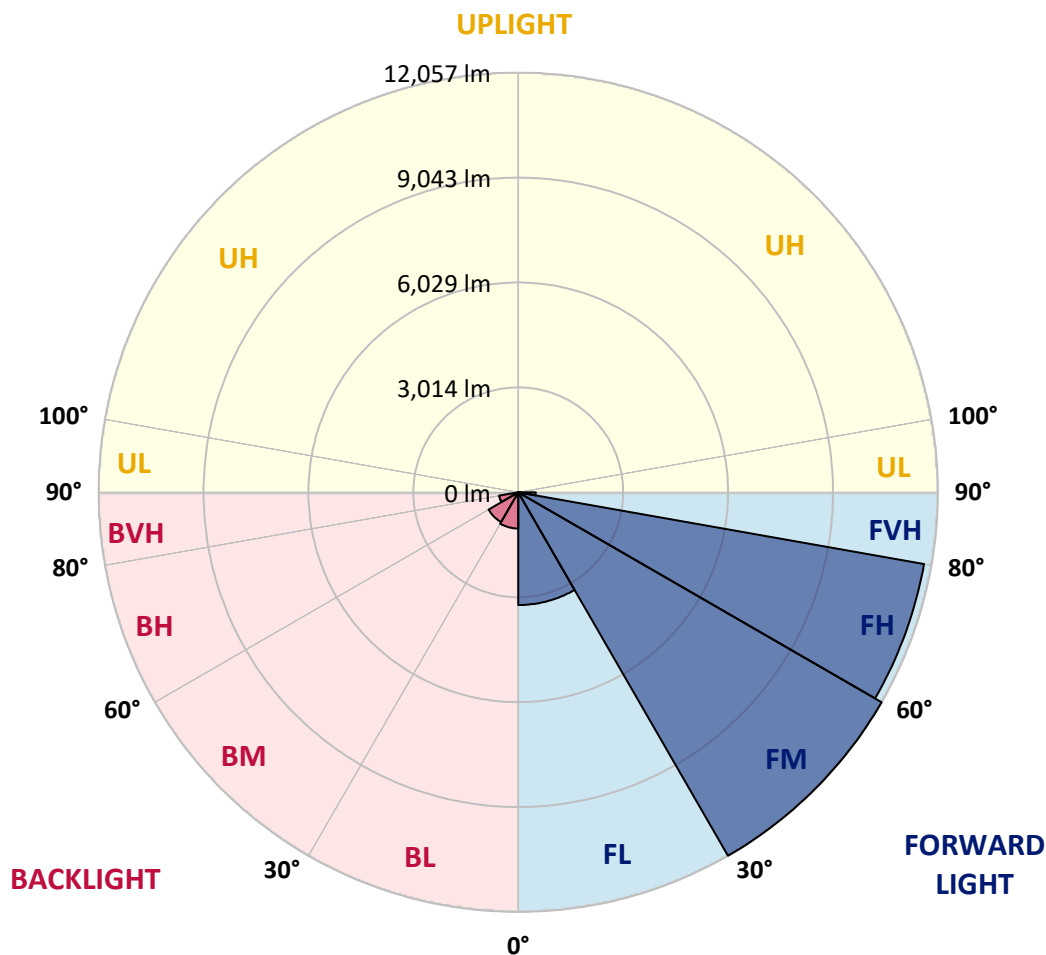
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3237.7	10.7			
FM	(30°-60°)	12057.2	39.9			
FH	(60°-80°)	11839.5	39.2			G4/12000
FVH	(80°-90°)	504.0	1.7			G4/750
BL	(0°-30°)	1039.2	3.4	B3/2500		
BM	(30°-60°)	986.8	3.3	B1/1000		
BH	(60°-80°)	556.3	1.8	B2/1000		G2/1000
BVH	(80°-90°)	4.4	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-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3
2.5°	9668.6	9644.7	9635.9	9620.8	9563.0	9506.5	9394.6	9363.2	9292.8	9125.6	8948.4
5°	9676.1	9674.9	9701.3	9695.0	9674.9	9648.5	9568.0	9526.6	9407.2	9168.4	8844.1
7.5°	9209.8	9233.7	9292.8	9340.6	9395.9	9467.5	9477.5	9437.3	9339.3	9081.7	8651.8
10°	8584.0	8621.7	8704.6	8798.9	8943.4	9086.7	9214.9	9209.8	9175.9	8922.0	8420.6
12.5°	7956.8	8000.8	8096.3	8235.8	8440.7	8674.4	8903.2	8934.6	8991.2	8778.8	8206.9
15°	7407.6	7445.3	7539.6	7710.5	7964.4	8278.6	8614.1	8671.9	8817.7	8666.9	8028.5
17.5°	6941.3	6965.2	7034.3	7224.1	7518.2	7899.0	8335.1	8448.2	8665.7	8578.9	7873.9
20°	6615.8	6619.6	6664.8	6798.0	7092.1	7518.2	8046.0	8208.2	8504.8	8503.5	7714.3
22.5°	6454.9	6442.4	6451.2	6527.8	6744.0	7155.0	7757.0	7949.3	8360.2	8439.4	7552.1
25°	6424.8	6414.7	6389.6	6399.6	6530.3	6837.0	7465.4	7687.9	8233.3	8400.5	7411.4
27.5°	6519.0	6529.1	6486.4	6441.1	6451.2	6630.9	7206.5	7464.1	8130.3	8400.5	7312.1
30°	6708.8	6713.8	6682.4	6623.3	6544.2	6573.1	7026.8	7284.4	8078.7	8458.3	7249.2
32.5°	6918.7	6946.3	6942.6	6894.8	6781.7	6664.8	6984.0	7219.1	8075.0	8586.5	7243.0
35°	7178.9	7210.3	7263.1	7253.0	7134.9	6942.6	7129.8	7314.6	8149.1	8797.6	7310.8
37.5°	7455.3	7503.1	7616.2	7670.3	7593.6	7376.2	7456.6	7588.6	8347.7	9139.5	7483.0
40°	7723.0	7777.1	7983.2	8195.6	8137.8	7914.1	7951.8	8057.4	8700.8	9630.9	7809.8
42.5°	7985.7	8066.2	8369.0	8718.4	8787.6	8609.1	8629.2	8713.4	9224.9	10307.0	8343.9
45°	8299.9	8390.4	8839.1	9270.2	9454.9	9377.0	9462.5	9517.8	9909.9	11200.6	9064.1
47.5°	8761.2	8865.5	9416.0	9907.4	10231.6	10281.9	10454.1	10490.5	10775.8	12241.3	10002.9
50°	9661.0	9689.9	10187.6	10633.8	11101.3	11403.0	11599.0	11626.7	11824.0	13378.7	11175.5
52.5°	10793.4	10812.3	11093.8	11392.9	11924.5	12540.4	12999.1	13038.1	13079.5	14487.2	12333.0
55°	11918.3	11915.7	12101.7	12277.7	12886.0	13780.8	14776.2	14800.1	14502.2	15539.1	13217.8
57.5°	12620.8	12688.7	12971.5	13197.7	14047.3	15194.7	16576.0	16663.9	15996.6	16318.3	14092.5
60°	12397.1	12429.8	13056.9	13893.9	15493.9	17204.4	18397.1	18419.7	17120.2	17096.3	15198.5
62.5°	10562.2	10579.8	11565.1	13290.7	16226.6	19811.0	20594.0	20225.7	18412.2	18175.9	16521.9
65°	7239.2	7353.5	8176.8	10309.5	14880.5	21446.1	23994.9	23385.3	20381.6	19731.8	17718.4
67.5°	4263.1	4239.2	4646.4	6217.4	10929.2	20360.2	28296.9	27691.1	23067.3	20773.7	17367.7
70°	2912.0	2895.7	3051.5	3764.1	6169.6	15794.2	29650.5	30873.3	25438.9	20072.4	14947.1
72.5°	2078.8	2087.5	2317.5	2924.6	3873.5	9202.3	25498.0	28392.4	24696.2	17498.5	11361.5
75°	1411.4	1435.3	1764.6	2399.2	3395.9	4681.6	18094.2	21583.1	20110.1	12717.6	6530.3
77.5°	759.1	785.5	1173.9	1933.0	3070.4	3252.6	11639.2	14854.1	12632.1	5717.2	1892.7
80°	316.7	331.8	549.2	1405.1	2653.1	2856.7	6848.3	9007.5	5382.9	1127.4	422.3
82.5°	137.0	144.5	228.7	838.3	1983.2	2411.8	3625.9	4333.5	1631.3	247.6	212.4
85°	26.4	27.6	94.3	443.7	1265.6	1361.1	2350.2	2303.7	732.7	106.8	154.6
87.5°	0.0	0.0	22.6	139.5	372.0	741.5	1434.0	1416.4	248.8	51.5	57.8
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°	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3	8928.3
2.5°	8857.9	8771.2	8589.0	8364.0	8191.8	8002.1	7851.2	7660.2	7577.3	7581.0	7535.8
5°	8659.4	8480.9	8077.5	7568.5	7176.3	6771.6	6423.5	6076.6	5871.8	5805.2	5742.3
7.5°	8375.3	8092.5	7449.1	6664.8	6001.2	5352.7	4788.4	4292.0	3977.8	3824.4	3767.9
10°	8054.8	7657.7	6726.4	5693.3	4745.7	3868.4	3137.0	2501.0	2247.2	2075.0	2031.0
12.5°	7773.3	7235.4	6020.1	4696.7	3571.8	2513.6	1816.1	1420.2	1248.0	1180.1	1168.8
15°	7508.1	6840.8	5340.2	3794.3	2473.4	1547.1	1155.0	1020.5	980.3	969.0	969.0
17.5°	7258.0	6465.0	4675.3	2905.7	1636.4	1084.6	956.4	926.3	913.7	912.4	913.7
20°	6996.6	6089.2	4021.8	2129.0	1142.4	918.7	883.5	867.2	863.4	863.4	863.4
22.5°	6746.5	5713.4	3385.8	1520.7	916.2	838.3	820.7	809.4	805.6	804.4	801.8
25°	6506.5	5356.5	2765.0	1074.6	804.4	767.9	752.8	737.7	726.4	720.1	716.4
27.5°	6309.1	5038.5	2186.8	862.2	726.4	695.0	676.2	653.5	625.9	613.3	608.3
30°	6152.0	4748.2	1685.4	727.7	653.5	622.1	593.2	554.2	514.0	492.7	491.4
32.5°	6028.9	4462.9	1279.4	643.5	588.2	549.2	507.7	458.7	412.2	388.4	387.1
35°	5968.6	4211.5	977.8	581.9	530.4	481.4	429.8	375.8	330.5	307.9	305.4
37.5°	6008.8	3999.1	762.9	530.4	481.4	424.8	364.5	307.9	267.7	247.6	246.3
40°	6155.8	3863.4	619.6	486.4	439.9	370.8	305.4	252.6	218.7	202.3	201.1
42.5°	6468.8	3813.1	529.1	449.9	399.7	320.5	253.9	208.6	177.2	165.9	163.4
45°	6991.6	3887.3	467.5	414.7	358.2	272.7	209.9	170.9	143.3	134.5	133.2
47.5°	7687.9	4082.1	423.5	380.8	320.5	230.0	174.7	138.2	116.9	108.1	106.8
50°	8585.2	4391.3	387.1	346.9	285.3	194.8	144.5	109.3	90.5	84.2	84.2
52.5°	9561.8	4759.5	354.4	315.5	250.1	162.1	116.9	84.2	71.6	64.1	64.1
55°	10368.6	5081.3	319.2	291.6	207.4	134.5	89.2	64.1	52.8	49.0	49.0
57.5°	11174.2	5424.4	279.0	250.1	165.9	109.3	67.9	47.8	39.0	36.4	36.4
60°	12218.6	5844.1	240.0	203.6	130.7	82.9	50.3	33.9	28.9	27.6	27.6
62.5°	13367.3	6090.5	204.9	163.4	101.8	61.6	36.4	22.6	21.4	21.4	20.1
65°	14069.9	5742.3	172.2	130.7	79.2	46.5	23.9	16.3	18.9	17.6	15.1
67.5°	13173.8	4495.6	140.8	101.8	61.6	35.2	15.1	11.3	20.1	16.3	12.6
70°	10907.8	3147.0	109.3	71.6	49.0	30.2	10.1	7.5	21.4	16.3	10.1
72.5°	8162.9	2106.4	86.7	47.8	36.4	26.4	8.8	3.8	18.9	13.8	8.8
75°	4460.4	848.3	69.1	30.2	22.6	18.9	6.3	2.5	12.6	10.1	6.3
77.5°	1173.9	223.7	50.3	20.1	12.6	7.5	3.8	1.3	6.3	5.0	2.5
80°	299.1	86.7	32.7	13.8	8.8	3.8	0.0	0.0	1.3	0.0	0.0
82.5°	159.6	36.4	20.1	10.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	120.7	23.9	11.3	6.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	46.5	7.5	3.8	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)