

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: P320080

Luminaire Tested: **GAN-SA6B-760-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-760-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32477 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

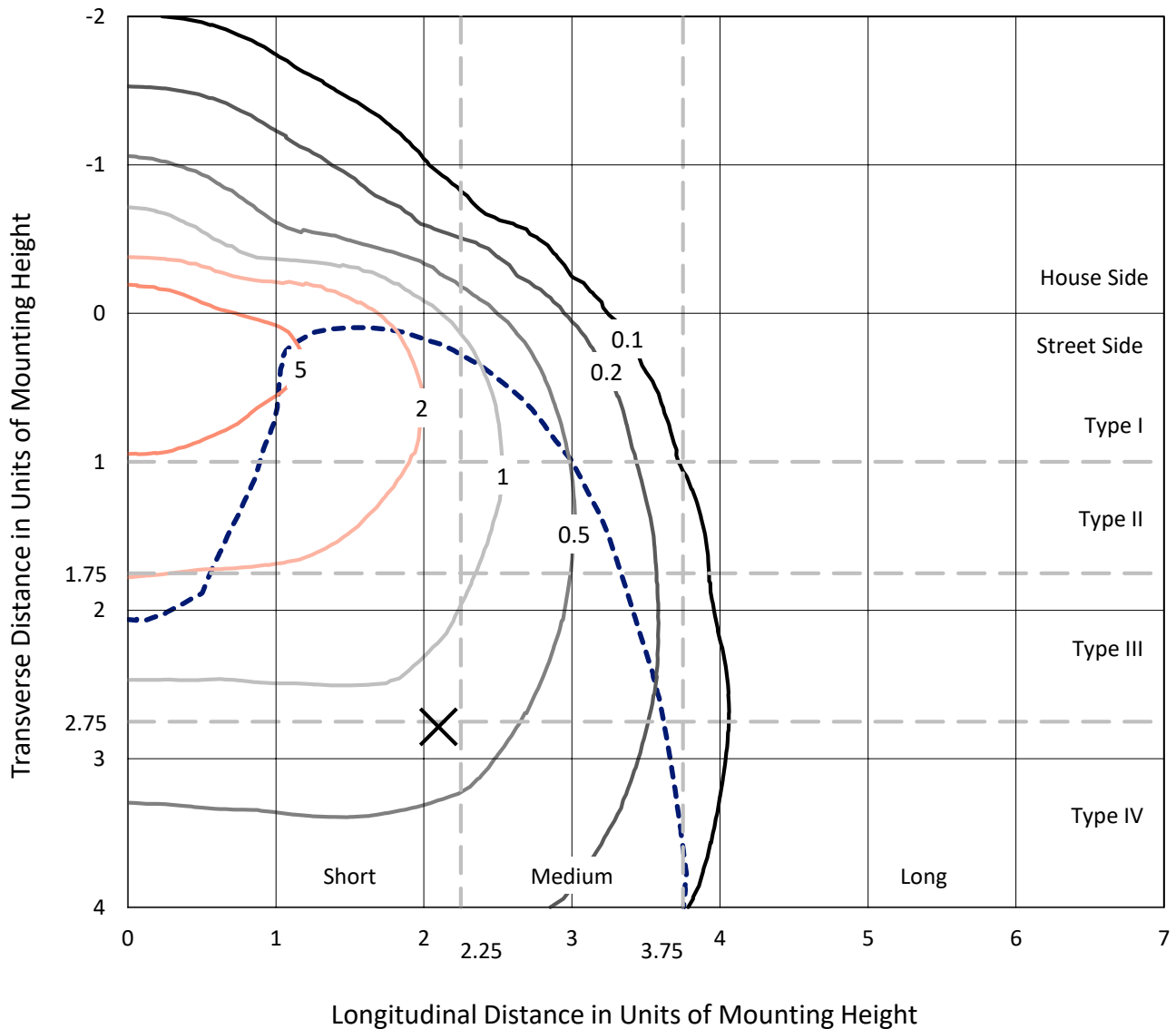
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

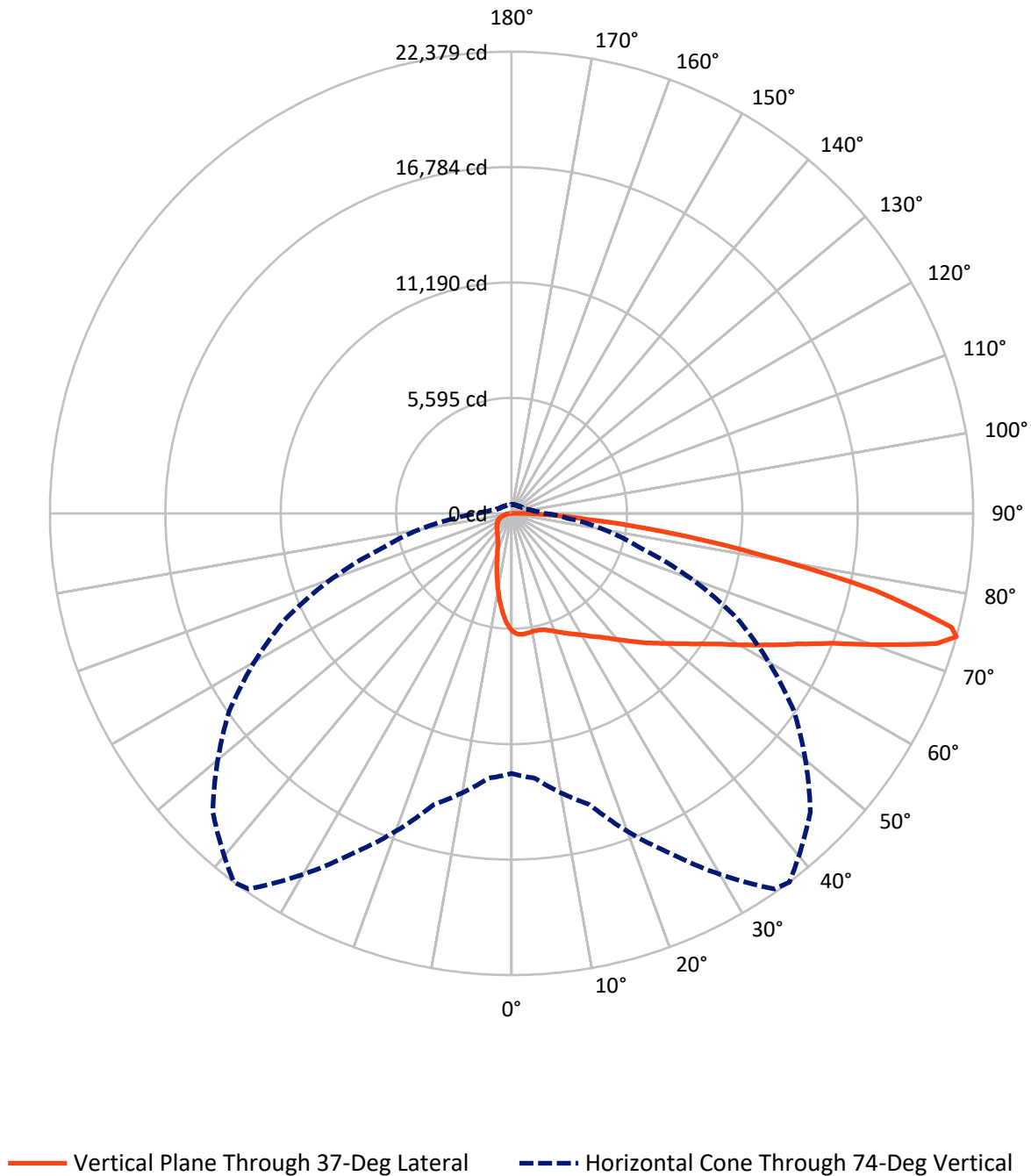
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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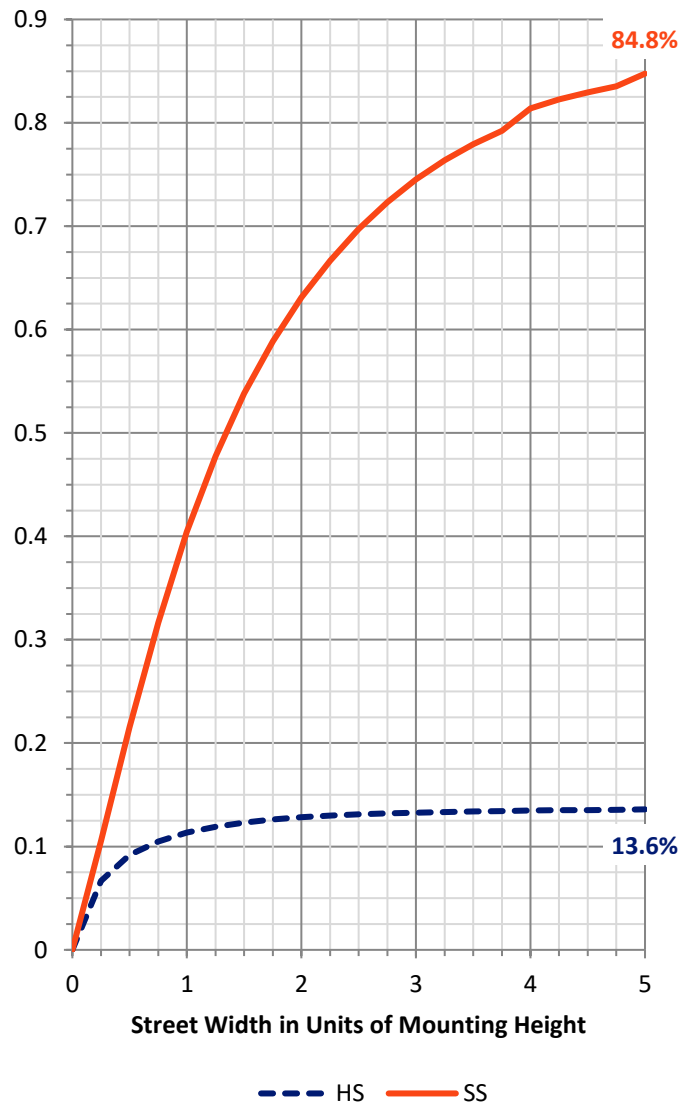
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4468.6	0.0	4468.6
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	28008.4	0.0	28008.4
	% Fixture	86.2	0.0	86.2
Total	Lumens	32477.0	0.0	32477.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.9	1.6
10°-20°	1291.7	4.0
20°-30°	1990.2	6.1
30°-40°	2894.0	8.9
40°-50°	4259.6	13.1
50°-60°	5981.8	18.4
60°-70°	7571.1	23.3
70°-80°	6666.6	20.5
80°-90°	1318.1	4.1
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°	32477.0	100.0
0°-180°	32477.0	100.0

Coefficient of Utilization



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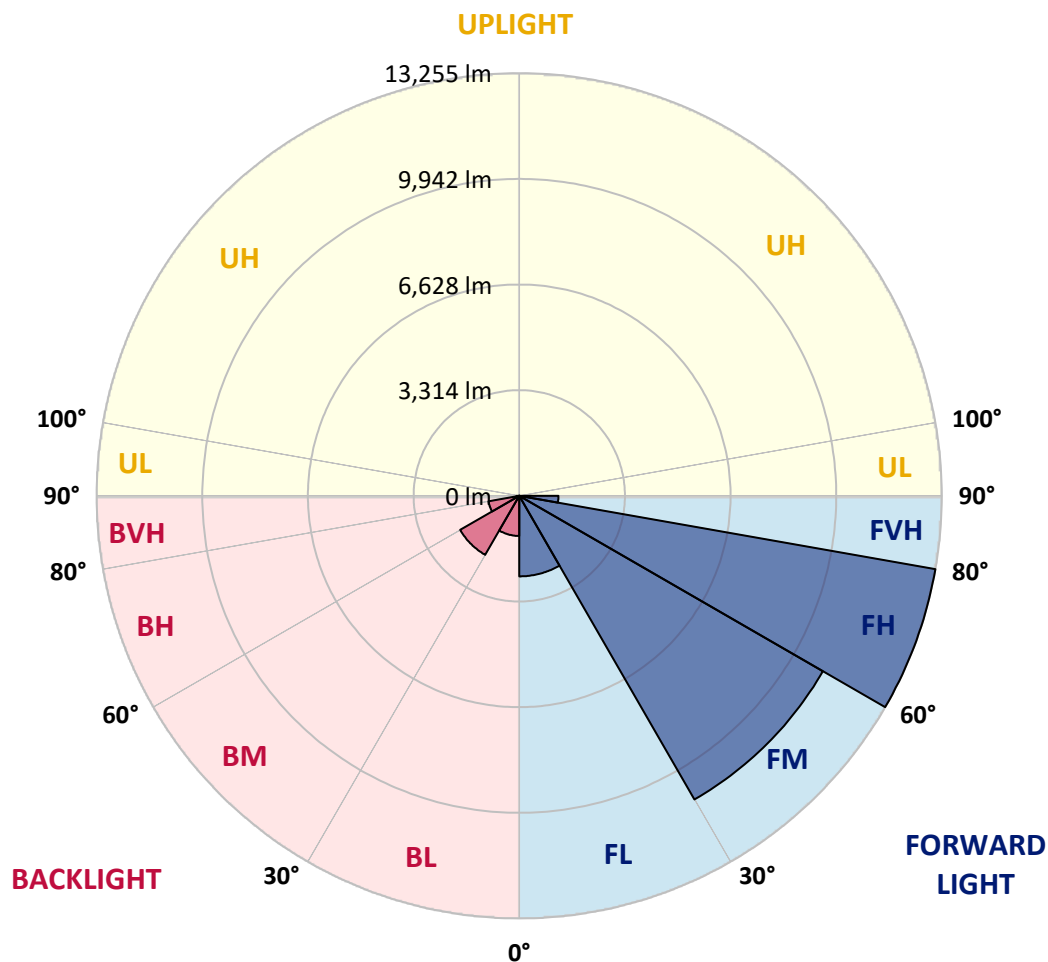
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2527.1	7.8			
FM	(30°-60°)	10997.0	33.9			
FH	(60°-80°)	13255.5	40.8			G5
FVH	(80°-90°)	1228.9	3.8			G5
BL	(0°-30°)	1258.7	3.9	B3/2500		
BM	(30°-60°)	2138.4	6.6	B2/2500		
BH	(60°-80°)	982.2	3.0	B2/1000		G2/1000
BVH	(80°-90°)	89.3	0.3			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°	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3
2.5°	5917.9	5919.1	5917.9	5908.8	5887.1	5868.8	5853.9	5832.1	5784.1	5747.5	5692.6
5°	5974.0	5967.1	5962.6	5945.4	5911.1	5890.5	5861.9	5820.7	5741.8	5668.6	5579.3
7.5°	5947.7	5939.7	5929.4	5908.8	5869.9	5852.7	5812.7	5758.9	5664.0	5567.9	5439.8
10°	5866.5	5864.2	5859.6	5855.0	5821.9	5808.1	5771.5	5714.3	5620.5	5503.8	5354.0
12.5°	5776.1	5781.8	5800.1	5824.1	5809.3	5802.4	5779.5	5740.6	5644.5	5518.7	5337.9
15°	5718.9	5734.9	5784.1	5847.0	5859.6	5857.3	5851.6	5826.4	5724.6	5585.0	5374.5
17.5°	5699.4	5725.8	5819.6	5923.7	5960.3	5968.3	5970.6	5927.1	5813.8	5666.3	5412.3
20°	5734.9	5768.1	5905.4	6048.4	6106.7	6111.3	6101.0	6025.5	5898.5	5736.0	5432.9
22.5°	5842.4	5872.2	6043.8	6205.1	6271.4	6278.3	6247.4	6133.0	5987.7	5818.4	5461.5
25°	6049.5	6086.1	6257.7	6419.0	6453.3	6454.5	6409.9	6268.0	6104.4	5934.0	5523.3
27.5°	6319.5	6356.1	6510.5	6668.4	6650.1	6639.8	6579.2	6437.3	6256.6	6093.0	5633.1
30°	6620.4	6660.4	6806.8	6919.0	6875.5	6854.9	6805.7	6622.7	6468.2	6310.3	5801.3
32.5°	6931.5	6968.1	7096.3	7172.9	7118.0	7108.9	7034.5	6867.5	6743.9	6642.1	6073.5
35°	7250.7	7277.0	7402.9	7446.3	7373.1	7370.8	7350.2	7196.9	7119.2	7167.2	6469.4
37.5°	7576.8	7583.6	7691.2	7693.4	7671.7	7680.9	7702.6	7606.5	7628.2	7778.1	6984.2
40°	7867.3	7885.6	7963.4	7987.5	8025.2	8057.2	8165.9	8103.0	8271.2	8536.6	7624.8
42.5°	8082.4	8117.9	8242.6	8304.3	8426.8	8477.1	8630.4	8688.7	9027.4	9425.5	8386.7
45°	8264.3	8319.2	8519.4	8646.4	8853.5	8941.6	9161.2	9356.8	9881.9	10389.9	9188.7
47.5°	8461.1	8530.9	8781.4	9023.9	9305.4	9404.9	9804.1	10097.0	10793.7	11360.0	9944.9
50°	8750.5	8804.3	9049.1	9430.0	9781.3	9909.4	10461.9	10881.8	11720.3	12284.3	10600.4
52.5°	9154.3	9133.7	9340.8	9875.1	10346.4	10504.3	11164.4	11716.9	12659.6	13120.6	11154.1
55°	9560.5	9526.1	9671.4	10340.7	11005.3	11171.2	11937.7	12555.5	13553.0	13873.4	11578.5
57.5°	10012.3	9947.1	10069.5	10865.8	11755.8	11953.7	12803.7	13446.7	14431.6	14482.0	11848.5
60°	10478.0	10389.9	10527.1	11516.7	12708.8	12942.1	13817.3	14316.1	15259.9	14969.3	11935.4
62.5°	10885.2	10823.4	11035.1	12243.2	13783.0	14039.3	14812.6	15240.5	16076.7	15171.8	11622.0
65°	11241.0	11251.3	11617.4	13060.0	14980.8	15254.2	15954.3	16379.9	16719.7	15051.7	10888.7
67.5°	11665.4	11723.8	12348.4	14135.3	16488.6	16788.3	17615.4	17622.3	17078.9	14347.0	9444.9
70°	12284.3	12404.5	13354.0	15627.1	18632.4	19044.3	19682.6	18352.2	16574.4	12436.5	7431.5
72.5°	12833.5	13057.7	14423.6	17334.0	21245.3	21557.7	20891.9	17931.2	14466.0	9320.2	4629.8
74°	12610.4	12888.4	14618.1	18174.8	22229.2	22379.1	20483.4	16702.5	12061.3	6454.5	2690.7
75°	12129.9	12431.9	14334.4	18166.8	22104.5	22021.0	19497.3	15298.8	9933.4	4402.1	1790.4
77.5°	9789.3	10108.4	12078.4	15569.9	18124.5	18045.6	14977.3	10262.9	4350.7	1443.7	909.5
80°	5691.4	5935.1	7497.8	9887.6	12221.4	12364.4	9849.9	5078.2	1711.4	811.1	616.6
82.5°	2528.3	2696.4	3621.9	5047.4	7375.4	7559.6	5158.3	2661.0	1057.1	493.1	370.7
85°	1658.8	1783.5	2198.8	2403.6	3512.1	3637.9	2524.8	2071.8	697.8	271.1	272.3
87.5°	1193.2	1313.3	1633.6	1426.6	1611.9	1526.1	1374.0	1917.4	280.3	154.4	91.5
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°	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3
2.5°	5668.6	5650.2	5609.1	5531.3	5487.8	5451.2	5390.6	5355.1	5339.1	5337.9	5344.8
5°	5527.8	5485.5	5379.1	5248.7	5144.6	5049.6	4931.8	4860.9	4810.5	4780.8	4788.8
7.5°	5364.2	5297.9	5130.9	4922.7	4755.6	4571.5	4389.6	4280.9	4196.2	4133.3	4144.7
10°	5252.1	5160.6	4916.9	4617.2	4339.2	4071.5	3821.0	3671.1	3552.1	3460.6	3467.5
12.5°	5214.4	5090.8	4753.3	4352.9	3962.8	3596.8	3269.6	3039.6	2917.2	2813.1	2821.1
15°	5220.1	5054.2	4616.1	4115.0	3624.2	3163.2	2766.2	2497.4	2331.5	2259.4	2260.6
17.5°	5224.7	5011.9	4471.9	3859.9	3289.0	2758.2	2326.9	2054.6	1897.9	1831.6	1832.7
20°	5209.8	4943.3	4293.5	3567.0	2939.0	2386.4	1968.8	1737.7	1618.8	1567.3	1567.3
22.5°	5190.4	4862.0	4092.1	3273.0	2593.5	2063.8	1712.6	1536.4	1467.8	1433.4	1432.3
25°	5199.5	4801.4	3886.2	2971.0	2275.4	1806.4	1542.1	1425.4	1379.7	1357.9	1356.8
27.5°	5248.7	4772.8	3696.3	2670.1	1997.4	1613.0	1427.7	1345.4	1315.6	1301.9	1301.9
30°	5337.9	4772.8	3498.4	2413.9	1766.3	1470.0	1339.6	1283.6	1263.0	1253.8	1253.8
32.5°	5493.5	4799.1	3307.3	2159.9	1582.2	1357.9	1266.4	1228.7	1212.6	1208.1	1208.1
35°	5761.2	4888.3	3120.9	1919.6	1433.4	1266.4	1196.6	1174.9	1163.5	1162.3	1165.7
37.5°	6137.6	5070.2	2945.8	1742.3	1328.2	1192.1	1138.3	1121.1	1114.3	1120.0	1124.6
40°	6611.2	5317.3	2786.8	1582.2	1248.1	1132.6	1084.5	1073.1	1069.6	1077.7	1084.5
42.5°	7183.2	5651.4	2656.4	1466.6	1186.3	1082.2	1038.8	1025.0	1021.6	1030.8	1039.9
45°	7802.1	6010.6	2564.9	1380.8	1138.3	1044.5	998.7	983.8	977.0	981.6	991.9
47.5°	8365.0	6350.4	2528.3	1320.2	1092.5	1012.4	963.3	944.9	933.5	931.2	939.2
50°	8839.7	6603.2	2545.4	1283.6	1055.9	977.0	928.9	908.3	891.2	880.9	886.6
52.5°	9185.2	6762.2	2561.4	1267.6	1027.3	938.1	891.2	871.7	848.9	831.7	831.7
55°	9435.8	6798.8	2526.0	1255.0	1005.6	895.8	848.9	830.5	807.7	788.2	785.9
57.5°	9534.2	6695.9	2394.4	1236.7	990.7	855.7	804.2	790.5	771.1	748.2	747.0
60°	9401.4	6377.8	2140.4	1197.8	971.3	822.5	759.6	750.5	741.3	719.6	718.4
62.5°	8868.3	5680.0	1812.1	1118.8	932.4	787.1	718.4	723.0	724.2	709.3	707.0
65°	7901.7	4721.3	1491.8	1015.9	874.0	744.7	676.1	697.8	710.4	708.1	704.7
67.5°	6496.8	3674.5	1264.1	907.2	797.4	686.4	630.3	655.5	665.8	673.8	671.5
70°	4822.0	2591.2	1045.6	792.8	704.7	617.8	570.9	583.4	576.6	585.7	589.2
72.5°	2688.4	1554.7	852.3	678.4	608.6	537.7	504.5	502.2	487.3	487.3	487.3
74°	1613.0	1140.6	749.3	607.5	550.3	485.1	456.5	446.2	432.4	433.6	432.4
75°	1297.3	980.4	687.5	560.6	509.1	454.2	425.6	411.8	401.5	401.5	400.4
77.5°	819.1	744.7	553.7	446.2	407.3	374.1	354.6	336.3	336.3	335.2	334.0
80°	618.9	592.6	431.3	337.5	312.3	287.1	274.6	266.6	266.6	270.0	268.8
82.5°	424.4	446.2	303.2	235.7	223.1	204.8	202.5	203.6	200.2	195.6	194.5
85°	310.0	335.2	204.8	148.7	136.1	124.7	133.8	138.4	132.7	122.4	117.8
87.5°	119.0	219.6	109.8	61.8	57.2	49.2	57.2	59.5	64.1	50.3	51.5
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)