

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: P320090

Luminaire Tested: **GAN-SA6C-760-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320090
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-SA6C-760-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA 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: 40197 lumens
Efficiency: N/A
Efficacy: 120.7 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): 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

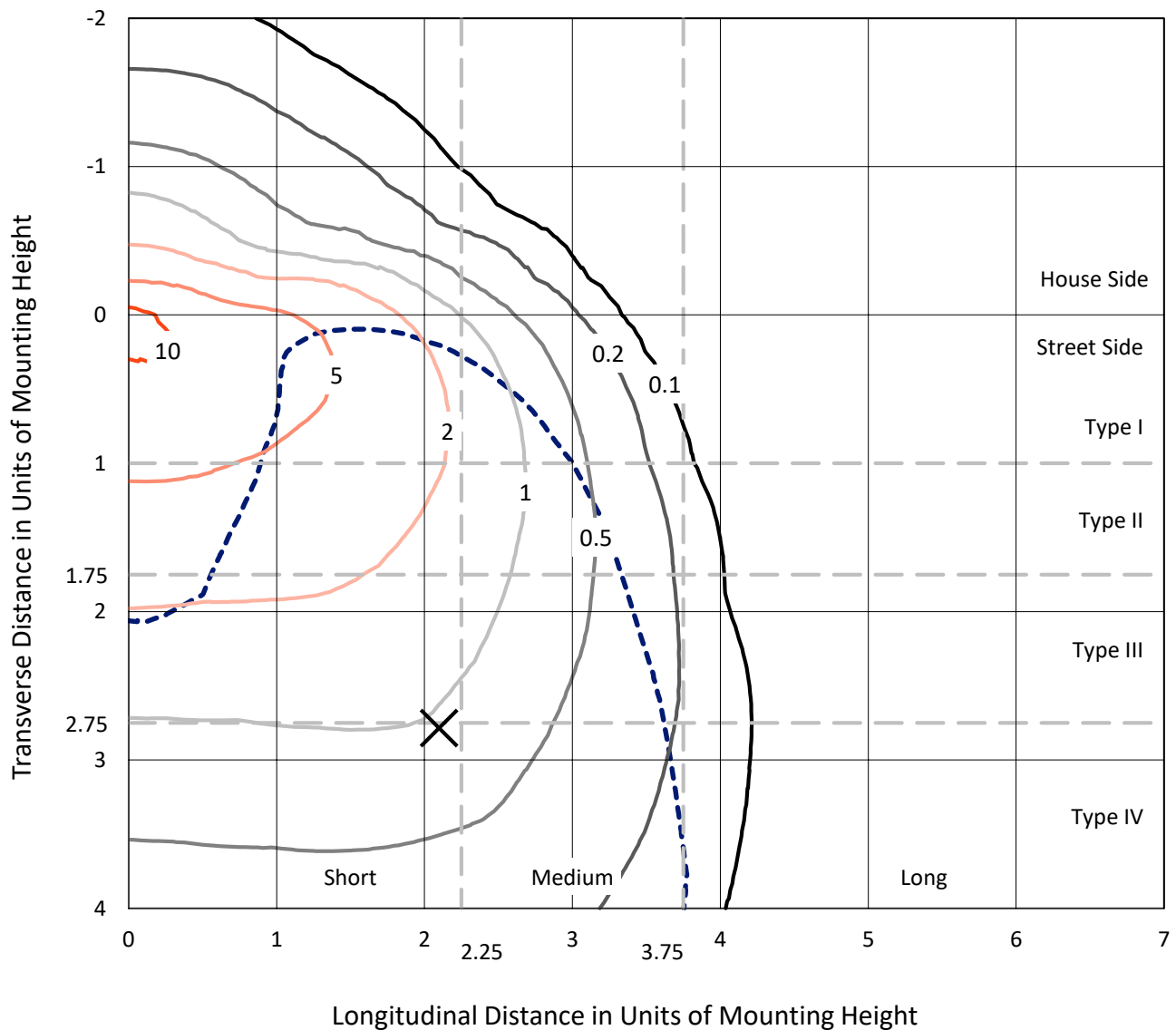


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Iso-Footcandle Lines of Horizontal Illumination

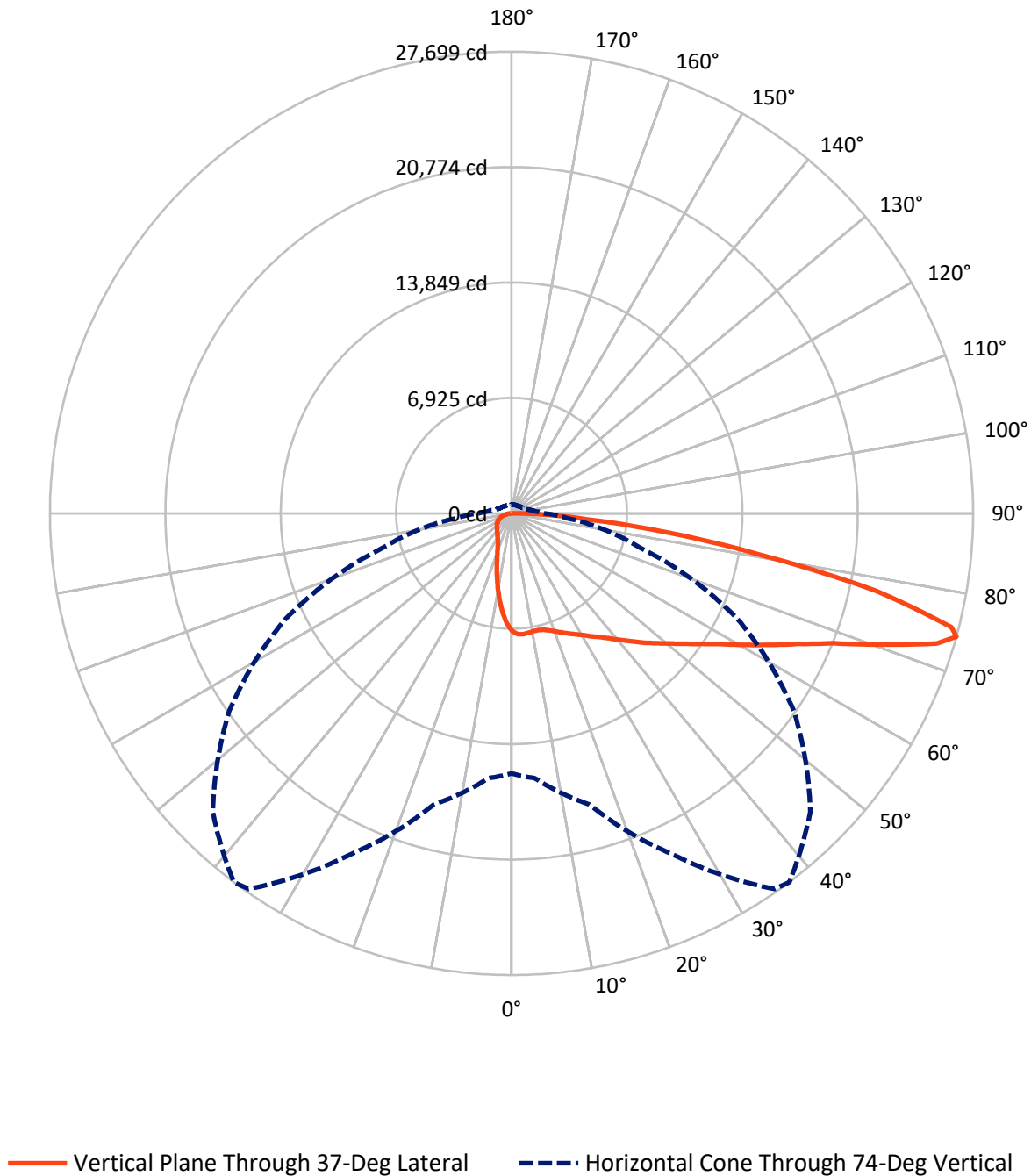
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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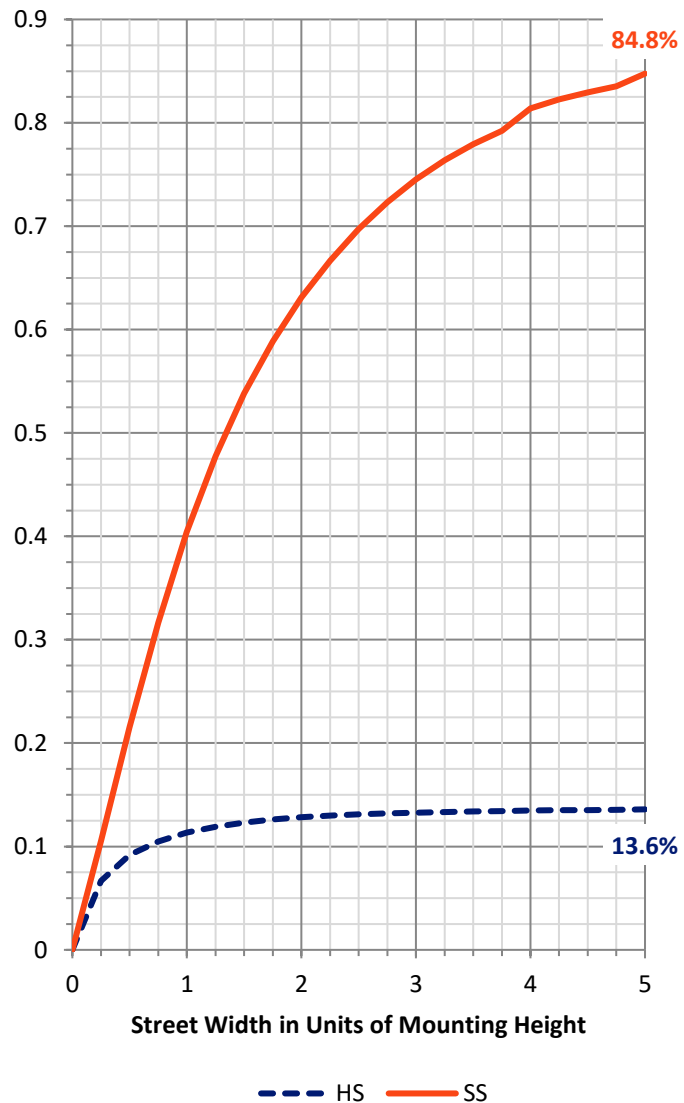
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5530.8	0.0	5530.8
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	34666.2	0.0	34666.2
	% Fixture	86.2	0.0	86.2
Total	Lumens	40197.0	0.0	40197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.7	1.6
10°-20°	1598.7	4.0
20°-30°	2463.3	6.1
30°-40°	3582.0	8.9
40°-50°	5272.1	13.1
50°-60°	7403.7	18.4
60°-70°	9370.8	23.3
70°-80°	8251.3	20.5
80°-90°	1631.5	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°	40197.0	100.0
0°-180°	40197.0	100.0

Coefficient of Utilization



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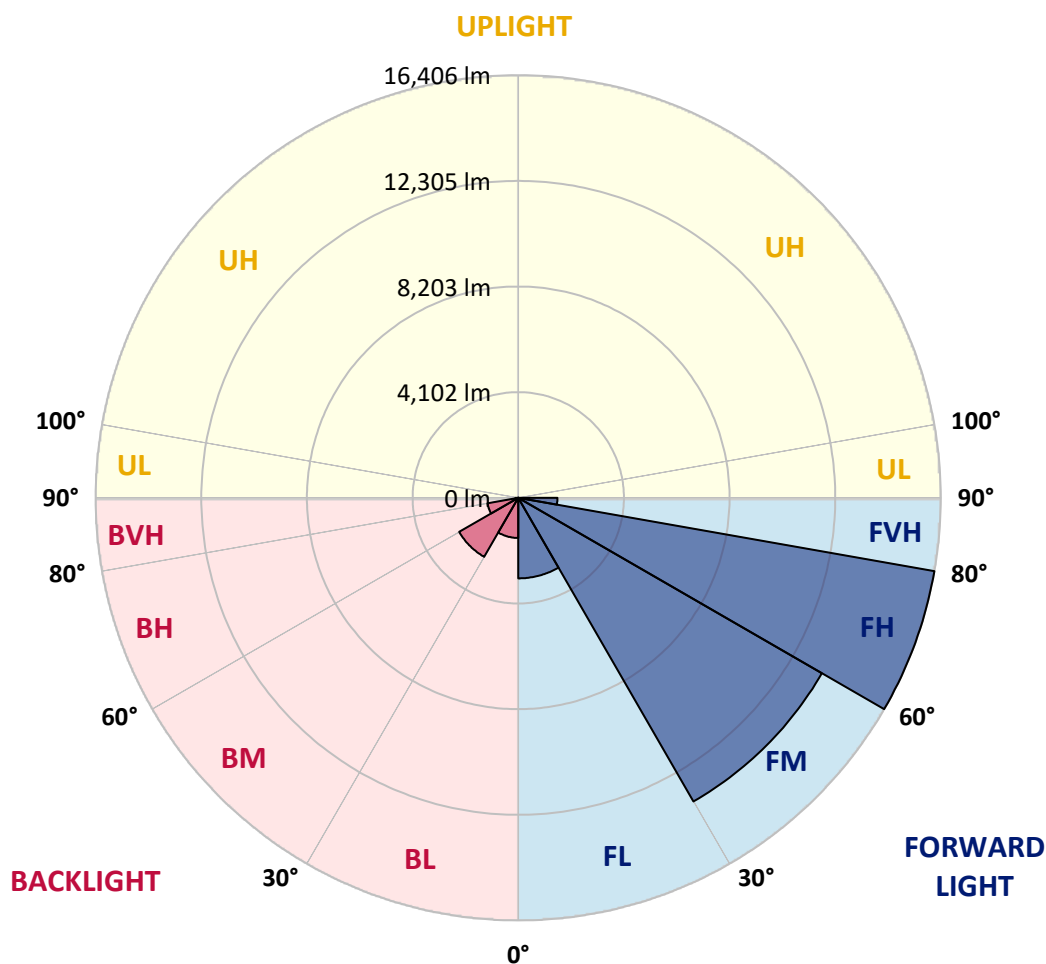
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3127.8	7.8			
FM	(30°-60°)	13611.0	33.9			
FH	(60°-80°)	16406.4	40.8			G5
FVH	(80°-90°)	1521.0	3.8			G5
BL	(0°-30°)	1557.9	3.9	B3/2500		
BM	(30°-60°)	2646.7	6.6	B3/5000		
BH	(60°-80°)	1215.7	3.0	B3/2500		G3/2500
BVH	(80°-90°)	110.5	0.3			G2/225
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°	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6
2.5°	7324.7	7326.1	7324.7	7313.4	7286.5	7263.8	7245.4	7218.5	7159.0	7113.7	7045.7
5°	7394.1	7385.6	7379.9	7358.7	7316.2	7290.7	7255.3	7204.3	7106.6	7016.0	6905.6
7.5°	7361.5	7351.6	7338.8	7313.4	7265.2	7244.0	7194.4	7127.9	7010.3	6891.4	6732.8
10°	7261.0	7258.1	7252.5	7246.8	7205.7	7188.8	7143.4	7072.6	6956.5	6812.1	6626.6
12.5°	7149.1	7156.2	7178.8	7208.6	7190.2	7181.7	7153.4	7105.2	6986.3	6830.5	6606.8
15°	7078.3	7098.1	7159.0	7236.9	7252.5	7249.6	7242.6	7211.4	7085.4	6912.6	6652.1
17.5°	7054.2	7086.8	7202.9	7331.8	7377.1	7387.0	7389.8	7336.0	7195.8	7013.2	6698.8
20°	7098.1	7139.2	7309.1	7486.1	7558.3	7564.0	7551.2	7457.8	7300.6	7099.5	6724.3
22.5°	7231.2	7268.0	7480.4	7680.1	7762.2	7770.7	7732.5	7590.9	7411.1	7201.5	6759.7
25°	7487.5	7532.8	7745.2	7944.9	7987.3	7988.8	7933.5	7758.0	7555.5	7344.5	6836.2
27.5°	7821.7	7867.0	8058.1	8253.5	8230.9	8218.1	8143.1	7967.5	7743.8	7541.3	6972.1
30°	8194.1	8243.6	8424.9	8563.6	8509.8	8484.3	8423.5	8196.9	8005.8	7810.4	7180.3
32.5°	8579.2	8624.5	8783.1	8878.0	8810.0	8798.7	8706.6	8499.9	8347.0	8221.0	7517.3
35°	8974.3	9006.8	9162.6	9216.4	9125.8	9122.9	9097.4	8907.7	8811.4	8870.9	8007.2
37.5°	9377.8	9386.3	9519.4	9522.2	9495.3	9506.7	9533.6	9414.6	9441.5	9627.0	8644.3
40°	9737.5	9760.1	9856.4	9886.1	9932.9	9972.5	10107.0	10029.1	10237.3	10565.8	9437.3
42.5°	10003.6	10047.5	10201.9	10278.3	10429.8	10492.2	10681.9	10754.1	11173.2	11666.0	10380.3
45°	10228.8	10296.8	10544.5	10701.7	10958.0	11067.0	11338.9	11581.0	12230.9	12859.6	11372.9
47.5°	10472.3	10558.7	10868.8	11169.0	11517.3	11640.5	12134.6	12497.1	13359.4	14060.3	12308.8
50°	10830.6	10897.1	11200.1	11671.6	12106.3	12264.9	12948.8	13468.5	14506.4	15204.4	13120.1
52.5°	11330.4	11304.9	11561.2	12222.4	12805.8	13001.2	13818.2	14502.1	15668.8	16239.5	13805.5
55°	11833.1	11790.6	11970.4	12798.7	13621.4	13826.7	14775.4	15540.0	16774.7	17171.2	14330.8
57.5°	12392.3	12311.6	12463.1	13448.6	14550.2	14795.2	15847.3	16643.0	17862.1	17924.4	14664.9
60°	12968.6	12859.6	13029.5	14254.3	15729.7	16018.6	17101.8	17719.1	18887.3	18527.6	14772.6
62.5°	13472.7	13396.3	13658.2	15153.4	17059.3	17376.5	18333.7	18863.2	19898.3	18778.3	14384.6
65°	13913.1	13925.8	14378.9	16164.4	18541.8	18880.2	19746.8	20273.5	20694.0	18629.6	13477.0
67.5°	14438.4	14510.6	15283.7	17495.4	20408.0	20779.0	21802.7	21811.2	21138.6	17757.4	11690.0
70°	15204.4	15353.1	16528.3	19341.8	23061.5	23571.2	24361.3	22714.6	20514.2	15392.7	9198.0
72.5°	15884.1	16161.6	17852.2	21454.4	26295.5	26682.1	25858.0	22193.5	17904.6	11535.7	5730.3
74°	15608.0	15952.0	18092.9	22495.1	27513.2	27698.7	25352.5	20672.8	14928.3	7988.8	3330.3
75°	15013.3	15387.1	17741.8	22485.2	27358.9	27255.5	24131.9	18935.4	12294.6	5448.6	2216.0
77.5°	12116.2	12511.3	14949.5	19271.0	22432.8	22335.1	18537.5	12702.4	5384.8	1786.9	1125.7
80°	7044.3	7345.9	9280.1	12238.0	15126.5	15303.5	12191.3	6285.4	2118.3	1003.9	763.2
82.5°	3129.2	3337.4	4482.9	6247.1	9128.6	9356.6	6384.5	3293.5	1308.3	610.3	458.8
85°	2053.1	2207.5	2721.4	2974.9	4347.0	4502.7	3125.0	2564.3	863.7	335.6	337.0
87.5°	1476.8	1625.5	2022.0	1765.7	1995.1	1888.9	1700.5	2373.1	346.9	191.2	113.3
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°	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6	7082.6
2.5°	7016.0	6993.4	6942.4	6846.1	6792.3	6747.0	6671.9	6628.0	6608.2	6606.8	6615.3
5°	6841.8	6789.5	6657.8	6496.4	6367.5	6250.0	6104.1	6016.3	5954.0	5917.2	5927.1
7.5°	6639.4	6557.2	6350.5	6092.8	5886.1	5658.1	5433.0	5298.5	5193.7	5115.8	5130.0
10°	6500.6	6387.3	6085.7	5714.8	5370.7	5039.3	4729.3	4543.8	4396.5	4283.2	4291.7
12.5°	6453.9	6301.0	5883.3	5387.7	4904.8	4451.7	4046.8	3762.2	3610.7	3481.8	3491.7
15°	6461.0	6255.6	5713.3	5093.2	4485.7	3915.1	3423.8	3091.0	2885.7	2796.5	2797.9
17.5°	6466.6	6203.3	5534.9	4777.4	4070.8	3413.8	2880.0	2543.0	2349.1	2266.9	2268.3
20°	6448.2	6118.3	5314.0	4414.9	3637.6	2953.7	2436.8	2150.8	2003.6	1939.8	1939.8
22.5°	6424.1	6017.8	5064.8	4051.0	3209.9	2554.4	2119.7	1901.6	1816.7	1774.2	1772.8
25°	6435.5	5942.7	4810.0	3677.2	2816.3	2235.8	1908.7	1764.3	1707.6	1680.7	1679.3
27.5°	6496.4	5907.3	4574.9	3304.8	2472.2	1996.5	1767.1	1665.2	1628.3	1611.3	1611.3
30°	6606.8	5907.3	4330.0	2987.6	2186.2	1819.5	1658.1	1588.7	1563.2	1551.9	1551.9
32.5°	6799.4	5939.9	4093.5	2673.3	1958.3	1680.7	1567.5	1520.7	1500.9	1495.2	1495.2
35°	7130.7	6050.3	3862.7	2376.0	1774.2	1567.5	1481.1	1454.2	1440.0	1438.6	1442.8
37.5°	7596.5	6275.5	3646.1	2156.5	1643.9	1475.4	1408.9	1387.6	1379.1	1386.2	1391.9
40°	8182.7	6581.3	3449.2	1958.3	1544.8	1401.8	1342.3	1328.2	1323.9	1333.8	1342.3
42.5°	8890.7	6994.8	3287.8	1815.2	1468.3	1339.5	1285.7	1268.7	1264.4	1275.8	1287.1
45°	9656.7	7439.4	3174.5	1709.0	1408.9	1292.8	1236.1	1217.7	1209.2	1214.9	1227.6
47.5°	10353.4	7859.9	3129.2	1634.0	1352.2	1253.1	1192.2	1169.6	1155.4	1152.6	1162.5
50°	10941.0	8172.8	3150.5	1588.7	1306.9	1209.2	1149.7	1124.3	1103.0	1090.3	1097.4
52.5°	11368.6	8369.6	3170.3	1568.9	1271.5	1161.1	1103.0	1078.9	1050.6	1029.4	1029.4
55°	11678.7	8415.0	3126.4	1553.3	1244.6	1108.7	1050.6	1028.0	999.7	975.6	972.8
57.5°	11800.5	8287.5	2963.6	1530.6	1226.2	1059.1	995.4	978.4	954.3	926.0	924.6
60°	11636.2	7893.9	2649.2	1482.5	1202.1	1018.1	940.2	928.9	917.5	890.6	889.2
62.5°	10976.4	7030.2	2242.9	1384.8	1154.0	974.2	889.2	894.9	896.3	877.9	875.1
65°	9779.9	5843.6	1846.4	1257.4	1081.8	921.8	836.8	863.7	879.3	876.5	872.2
67.5°	8041.2	4548.0	1564.6	1122.8	986.9	849.6	780.2	811.3	824.1	834.0	831.2
70°	5968.2	3207.1	1294.2	981.2	872.2	764.6	706.6	722.1	713.6	725.0	729.2
72.5°	3327.5	1924.3	1054.9	839.7	753.3	665.5	624.4	621.6	603.2	603.2	603.2
74°	1996.5	1411.7	927.4	751.9	681.1	600.4	565.0	552.2	535.2	536.6	535.2
75°	1605.7	1213.5	851.0	693.8	630.1	562.1	526.7	509.7	497.0	497.0	495.6
77.5°	1013.8	921.8	685.3	552.2	504.1	463.0	438.9	416.3	416.3	414.9	413.5
80°	766.0	733.5	533.8	417.7	386.6	355.4	339.8	329.9	329.9	334.2	332.7
82.5°	525.3	552.2	375.2	291.7	276.1	253.5	250.6	252.0	247.8	242.1	240.7
85°	383.7	414.9	253.5	184.1	168.5	154.3	165.7	171.3	164.2	151.5	145.8
87.5°	147.3	271.9	135.9	76.5	70.8	60.9	70.8	73.6	79.3	62.3	63.7
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)