

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: P318444

Luminaire Tested: **GAN-SA0B-750-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-750-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56575 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

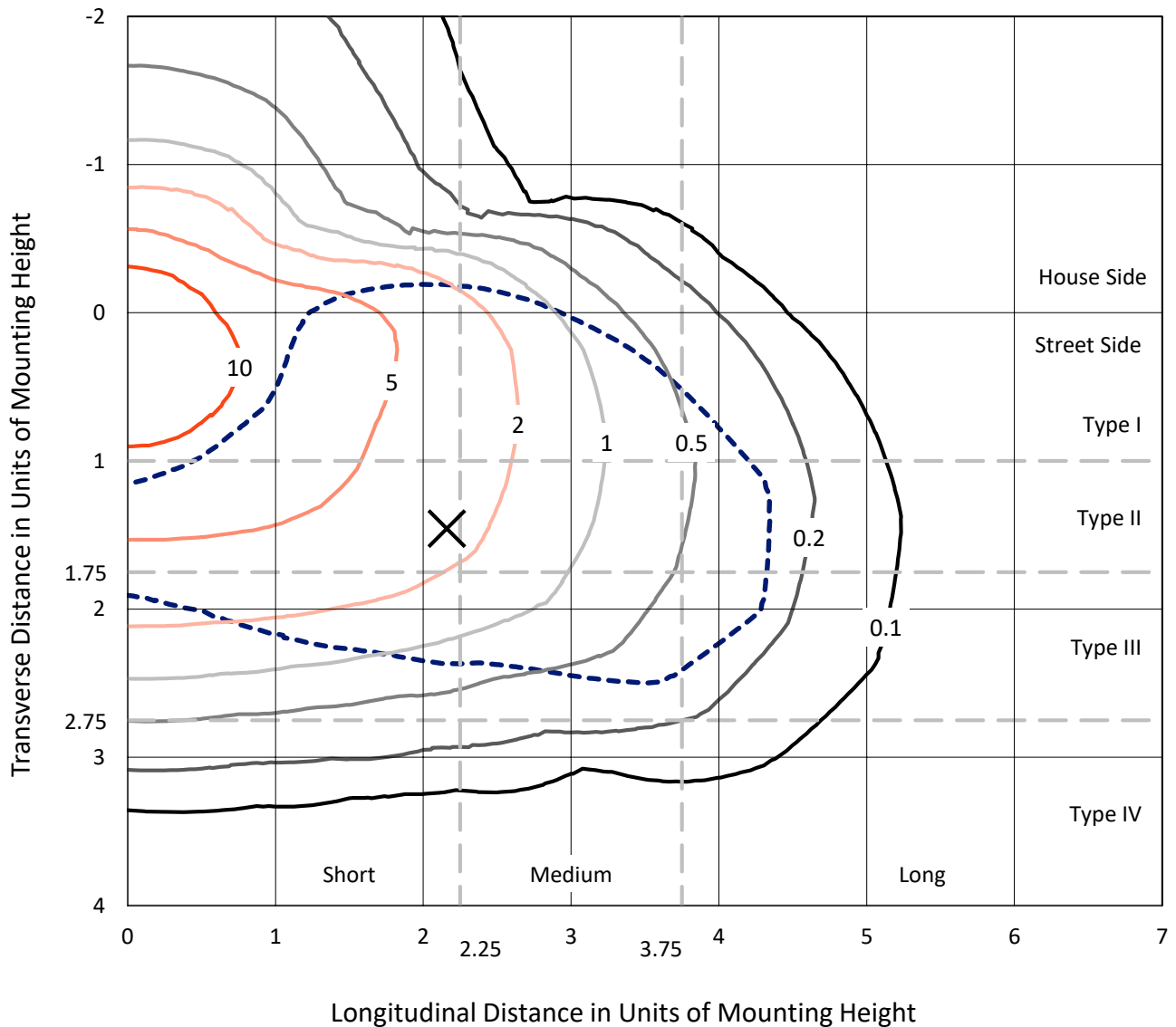
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

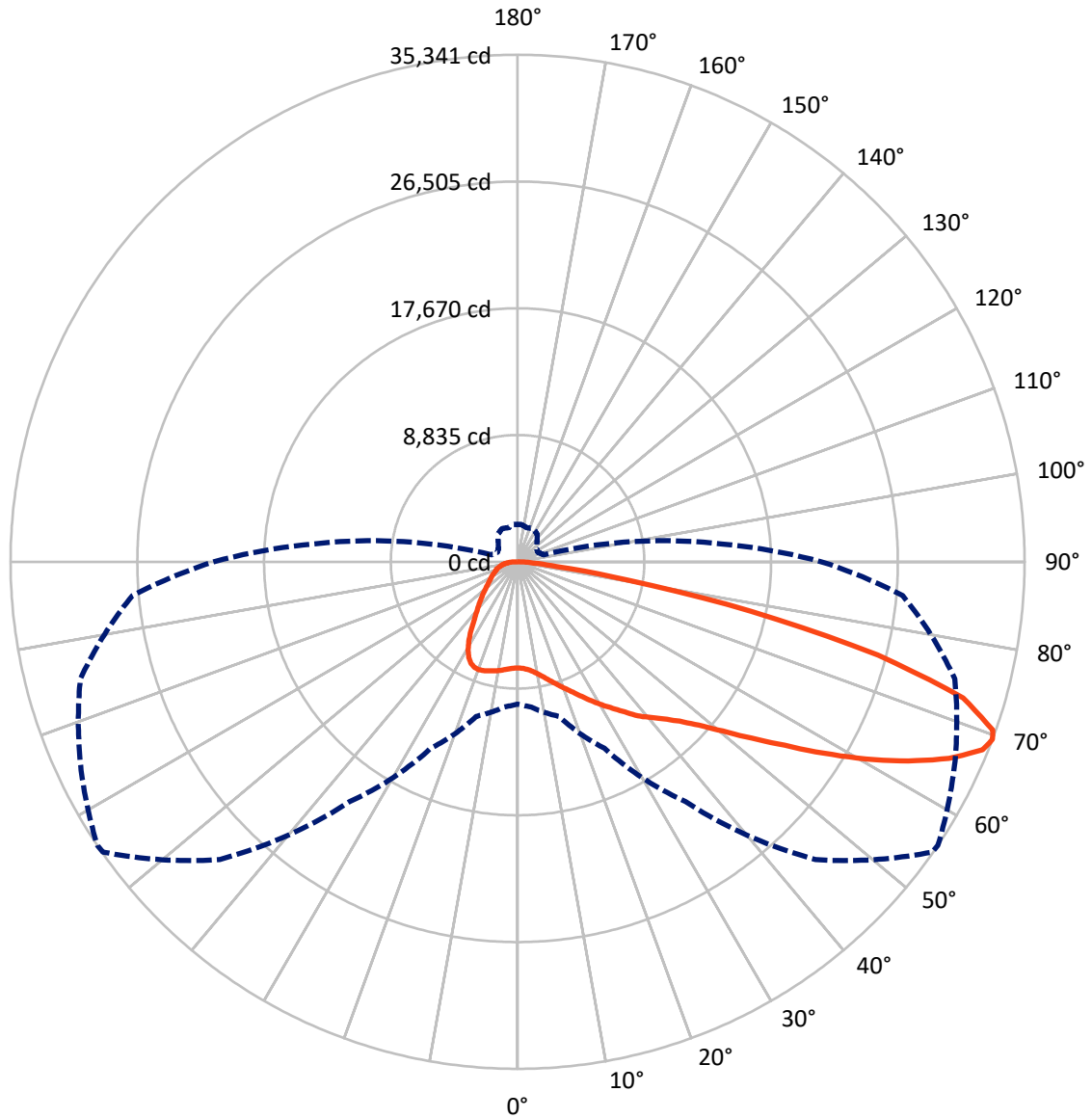
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12599.2	0.0	12599.2
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	43975.8	0.0	43975.8
	% Fixture	77.7	0.0	77.7
Total	Lumens	56575.0	0.0	56575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.4	1.3
10°-20°	2335.9	4.1
20°-30°	4077.6	7.2
30°-40°	5857.4	10.4
40°-50°	8106.3	14.3
50°-60°	11876.9	21.0
60°-70°	14480.1	25.6
70°-80°	8005.6	14.2
80°-90°	1108.8	2.0
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°	56575.0	100.0
0°-180°	56575.0	100.0

Coefficient of Utilization

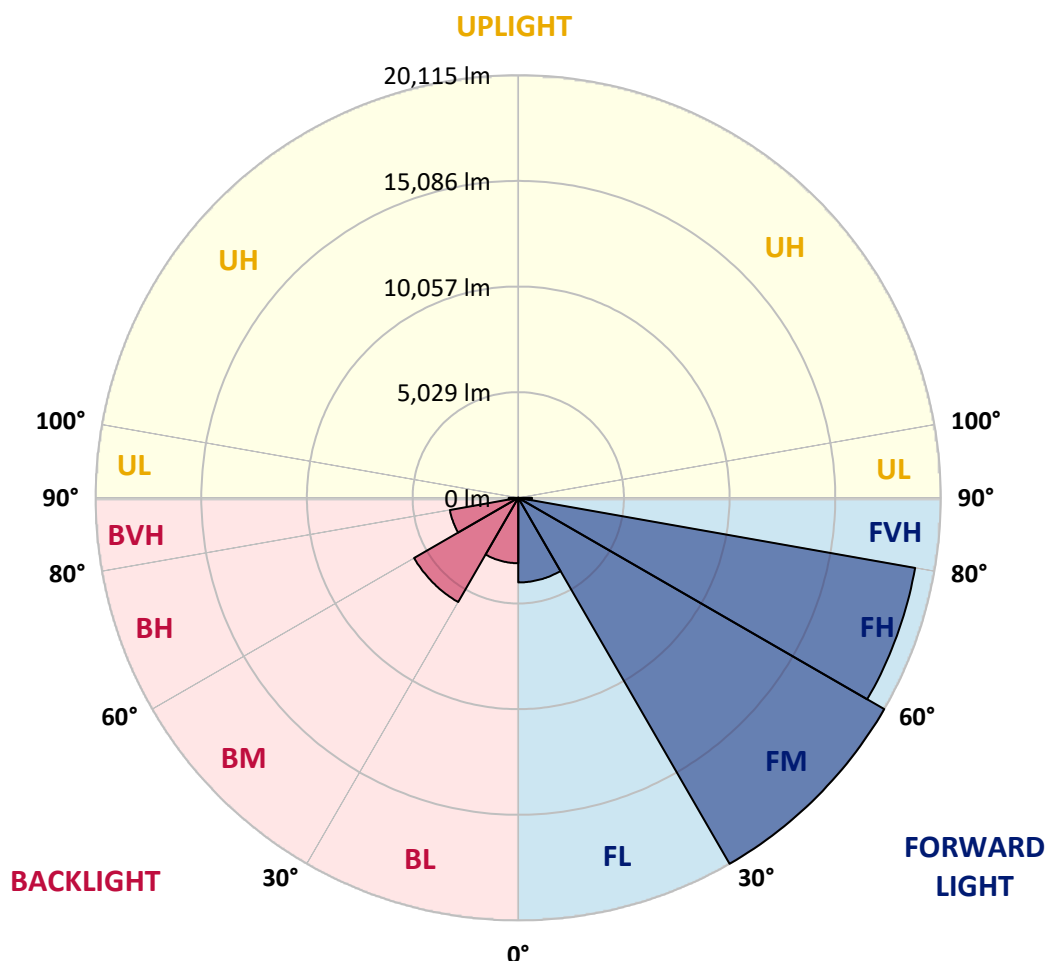


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4026.5	7.1			
FM (30°-60°)	20114.5	35.6			
FH (60°-80°)	19181.8	33.9			G5
FVH (80°-90°)	653.1	1.2			G4/750
BL (0°-30°)	3113.5	5.5	B4/5000		
BM (30°-60°)	5726.0	10.1	B4/8500		
BH (60°-80°)	3303.9	5.8	B4/5000		G4/5000
BVH (80°-90°)	455.7	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3
2.5°	7443.1	7450.9	7445.1	7460.6	7443.1	7454.8	7445.1	7445.1	7439.2	7421.7	7402.2
5°	7560.0	7575.6	7565.9	7581.5	7560.0	7563.9	7546.4	7546.4	7528.9	7491.8	7452.8
7.5°	7743.2	7760.8	7753.0	7768.6	7739.3	7739.3	7716.0	7714.0	7678.9	7618.5	7573.7
10°	7961.5	7984.9	7977.1	8000.5	7977.1	7984.9	7961.5	7961.5	7914.8	7829.0	7772.5
12.5°	8279.2	8308.4	8287.0	8285.1	8275.3	8290.9	8271.4	8267.5	8224.6	8107.7	8029.7
15°	8704.1	8735.3	8690.4	8686.5	8632.0	8626.1	8626.1	8620.3	8593.0	8452.7	8324.0
17.5°	9193.3	9203.0	9164.0	9101.7	9031.5	8986.7	8980.8	8996.4	8996.4	8832.7	8628.1
20°	9672.7	9690.3	9659.1	9588.9	9499.3	9433.0	9386.2	9417.4	9415.5	9220.6	8930.2
22.5°	10195.0	10236.0	10189.2	10099.5	9994.3	9920.2	9838.4	9865.7	9867.6	9627.9	9226.4
25°	10871.3	10834.3	10805.1	10678.4	10528.3	10452.3	10376.3	10403.6	10395.8	10066.4	9532.4
27.5°	11469.7	11477.5	11438.5	11304.0	11130.6	10962.9	10959.0	10976.6	10947.3	10522.5	9820.8
30°	12165.5	12169.3	12114.8	11993.9	11804.9	11588.6	11537.9	11567.1	11504.8	10955.1	10124.9
32.5°	12857.3	12876.8	12816.4	12670.2	12518.2	12255.1	12153.8	12173.2	12017.3	11397.6	10438.7
35°	13463.5	13490.7	13471.3	13373.8	13208.1	12982.1	12861.2	12849.5	12656.6	11939.4	10853.8
37.5°	14081.3	14106.6	14085.2	14003.3	13937.1	13697.3	13633.0	13633.0	13297.8	12492.9	11382.0
40°	14716.6	14755.6	14730.3	14617.3	14560.7	14451.6	14297.6	14260.6	13898.1	13157.5	12243.4
42.5°	15307.2	15357.9	15459.2	15392.9	15278.0	15293.5	14983.7	14964.2	14699.1	14139.8	13325.1
45°	16145.2	16219.3	16390.8	16340.1	16316.8	16231.0	15862.6	15845.1	15743.8	15461.2	14667.9
47.5°	17059.3	17160.7	17470.5	17480.3	17731.7	17569.9	17069.1	17008.6	17032.0	17043.7	16307.0
50°	17901.3	18012.4	18521.0	18760.8	19353.2	19388.3	18587.3	18532.7	18624.3	18893.3	18217.0
52.5°	18573.7	18714.0	19349.3	20090.0	21105.4	21393.8	20456.4	20415.4	20483.6	20947.5	20376.4
55°	19066.7	19218.8	19910.6	21259.3	22880.9	23389.6	22608.0	22569.0	22611.9	23202.5	22725.0
57.5°	19181.7	19218.8	20222.5	22046.7	24379.6	25601.6	25241.1	25163.1	24952.6	25467.2	25317.1
60°	18641.9	18790.0	19965.2	22323.5	25539.3	27782.5	27993.0	27895.6	27305.0	27726.0	27605.2
62.5°	17546.5	17811.6	19004.4	21902.5	25993.4	29563.9	30692.3	30575.4	29558.0	29830.9	29250.1
65°	15757.4	15870.4	17123.6	20450.5	25416.5	30704.0	33099.3	33040.8	31760.4	31333.5	29554.1
67.5°	12557.2	12769.6	13833.8	17416.0	23056.3	30569.5	34960.6	34954.7	33198.7	31890.9	28476.4
69°	9920.2	10140.5	11153.9	14346.3	20401.8	29339.7	35272.4	35340.6	33604.1	31551.8	26936.7
70°	7908.9	8164.2	8860.0	12083.6	18045.5	27718.2	35013.2	35136.0	33526.1	30992.5	25515.9
72.5°	3365.9	3572.5	4067.5	6228.9	10998.0	20698.0	32013.7	32477.6	31719.4	28365.3	21087.8
75°	1469.5	1533.8	1758.0	2539.5	4882.2	11265.0	25079.3	25936.9	27121.8	23976.2	15708.7
77.5°	1075.8	1103.1	1225.9	1491.0	2190.6	4254.6	16127.7	16626.6	19559.8	17447.2	9635.7
80°	832.2	851.7	947.2	1095.3	1430.5	1720.9	7355.4	7784.2	10998.0	8961.4	4012.9
82.5°	662.6	676.3	742.6	806.9	988.1	1042.7	2442.1	2709.1	4059.7	2475.2	1062.2
85°	615.9	631.5	654.9	588.6	633.4	612.0	1056.3	1105.1	1225.9	972.5	444.4
87.5°	278.7	329.4	649.0	458.0	337.2	269.0	432.7	452.2	508.7	510.6	196.8
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°	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3	7396.3
2.5°	7413.9	7408.0	7417.8	7394.4	7423.6	7421.7	7411.9	7415.8	7435.3	7433.4	7435.3
5°	7458.7	7454.8	7466.5	7449.0	7484.0	7495.7	7497.7	7515.2	7536.7	7542.5	7542.5
7.5°	7571.7	7571.7	7577.6	7554.2	7577.6	7575.6	7565.9	7583.4	7604.9	7606.8	7604.9
10°	7766.6	7768.6	7758.8	7698.4	7678.9	7626.3	7577.6	7579.5	7606.8	7628.3	7634.1
12.5°	8012.2	8004.4	7961.5	7850.4	7768.6	7661.4	7610.7	7608.8	7636.1	7653.6	7659.4
15°	8292.9	8271.4	8160.3	7979.1	7834.8	7729.6	7647.7	7628.3	7612.7	7593.2	7595.1
17.5°	8557.9	8509.2	8324.0	8072.6	7920.6	7780.3	7622.4	7495.7	7408.0	7357.4	7341.8
20°	8826.9	8731.4	8464.4	8160.3	7967.4	7712.1	7408.0	7150.8	6990.9	6916.9	6903.2
22.5°	9072.4	8918.5	8594.9	8251.9	7930.3	7482.1	7004.6	6630.4	6408.2	6308.8	6316.6
25°	9312.2	9097.8	8731.4	8316.2	7743.2	7076.7	6443.3	5983.3	5726.1	5615.0	5611.1
27.5°	9522.7	9279.0	8879.5	8263.6	7394.4	6499.8	5778.7	5330.4	5116.0	5020.5	5004.9
30°	9764.3	9507.1	9076.3	8062.9	6883.8	5833.3	5129.7	4813.9	4661.9	4566.4	4548.9
32.5°	10058.6	9816.9	9238.1	7698.4	6230.8	5137.5	4622.9	4402.7	4264.3	4157.1	4137.7
35°	10487.4	10226.2	9279.0	7176.1	5513.6	4587.9	4250.7	4024.6	3837.5	3699.1	3685.5
37.5°	11025.3	10738.8	9185.5	6499.8	4817.8	4231.2	3940.8	3662.1	3418.5	3223.6	3192.4
40°	11801.0	11368.3	8926.3	5720.2	4305.3	3956.4	3638.7	3321.0	3018.9	2790.9	2746.1
42.5°	12732.6	12107.0	8528.7	4944.5	3929.1	3677.7	3338.6	2944.9	2656.4	2494.7	2471.3
45°	13917.6	12874.9	7977.1	4266.3	3558.8	3399.0	3015.1	2652.5	2473.2	2354.4	2334.9
47.5°	15270.2	13736.3	7398.3	3714.7	3245.0	3137.8	2755.8	2522.0	2379.7	2286.1	2268.6
50°	16932.6	14708.9	6784.4	3262.6	2929.3	2824.1	2633.1	2449.9	2336.8	2264.7	2247.2
52.5°	18807.5	15806.1	6341.9	2905.9	2668.1	2592.1	2568.7	2410.9	2319.3	2264.7	2247.2
55°	20826.7	16922.9	5864.4	2605.8	2442.1	2463.5	2525.9	2414.8	2352.4	2286.1	2260.8
57.5°	22847.7	18076.7	5332.4	2352.4	2262.8	2368.0	2496.6	2422.6	2369.9	2305.6	2282.2
60°	24445.9	18807.5	4508.0	2140.0	2120.5	2262.8	2426.5	2364.1	2295.9	2297.8	2293.9
62.5°	25192.3	18768.6	3597.8	1950.9	1978.2	2120.5	2313.4	2272.5	2216.0	2292.0	2297.8
65°	24773.3	17833.0	2800.7	1779.4	1826.2	1972.4	2196.5	2227.7	2247.2	2393.3	2412.8
67.5°	23015.4	16012.7	2169.2	1629.3	1687.8	1871.0	2208.2	2426.5	2451.8	2605.8	2603.8
69°	21197.0	14305.4	1884.7	1551.4	1619.6	1896.3	2360.2	2553.1	2457.6	2621.4	2598.0
70°	19672.9	12954.8	1732.6	1498.8	1588.4	1941.2	2461.5	2551.2	2428.4	2568.7	2529.8
72.5°	15151.3	9320.0	1469.5	1401.3	1483.2	1857.4	2490.8	2494.7	2360.2	2387.5	2321.2
75°	10391.9	5889.8	1282.4	1268.8	1323.3	1674.2	2397.2	2383.6	2182.8	2143.9	2089.3
77.5°	5730.0	2991.7	1089.5	1142.1	1179.1	1483.2	2178.9	2159.5	1993.8	1911.9	1892.4
80°	2210.1	1309.7	919.9	1015.4	1038.8	1284.4	1910.0	1892.4	1754.1	1648.8	1619.6
82.5°	834.2	686.0	760.1	879.0	871.2	1060.2	1617.6	1607.9	1473.4	1319.5	1272.7
85°	385.9	411.2	602.2	725.0	668.5	785.4	1294.1	1311.7	1147.9	964.7	964.7
87.5°	163.7	230.0	426.8	547.7	450.2	530.1	949.1	906.3	832.2	576.9	541.8
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)