

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: P319084

Luminaire Tested: **GAN-SA0B-750-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-750-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56168 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

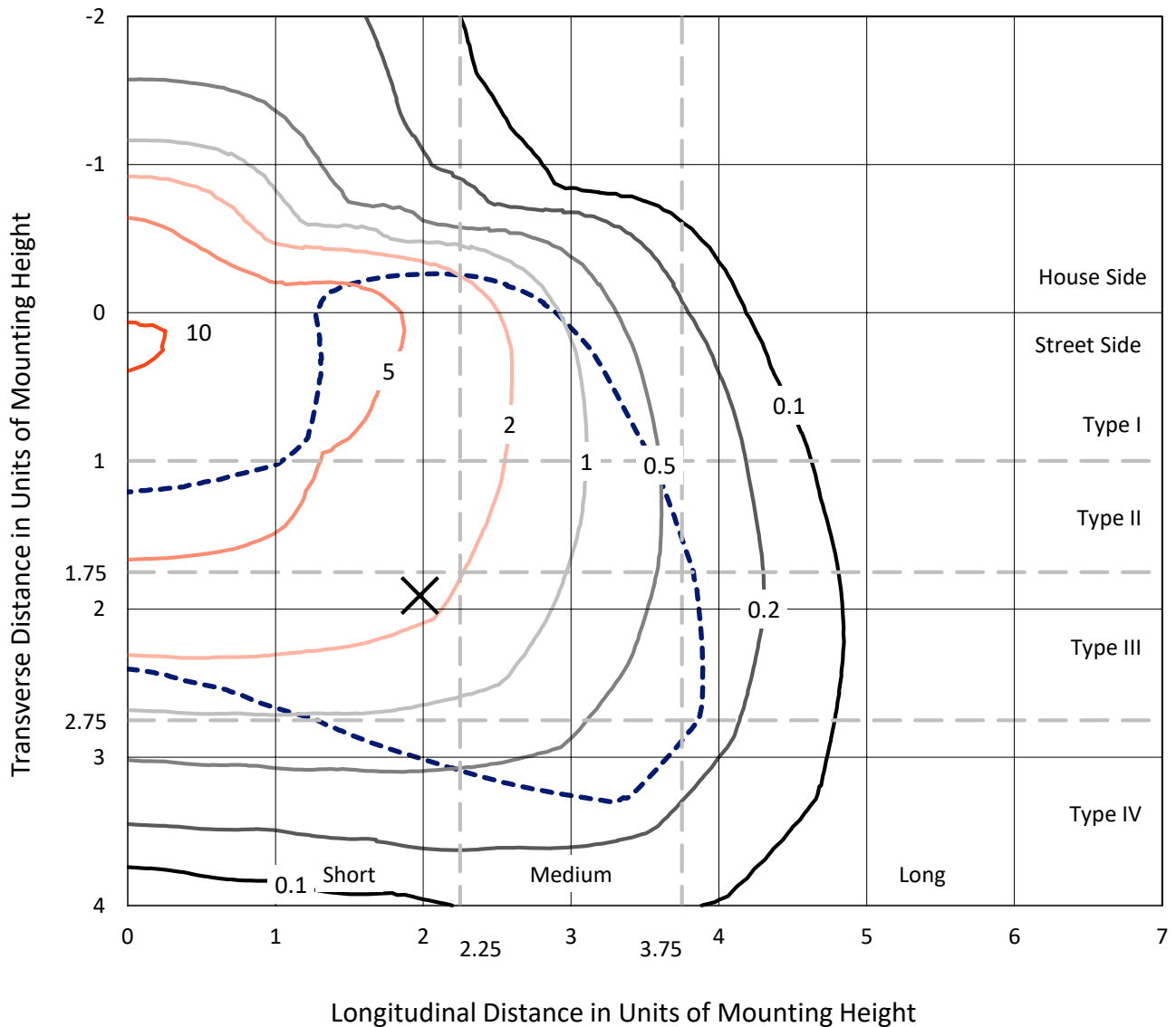
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

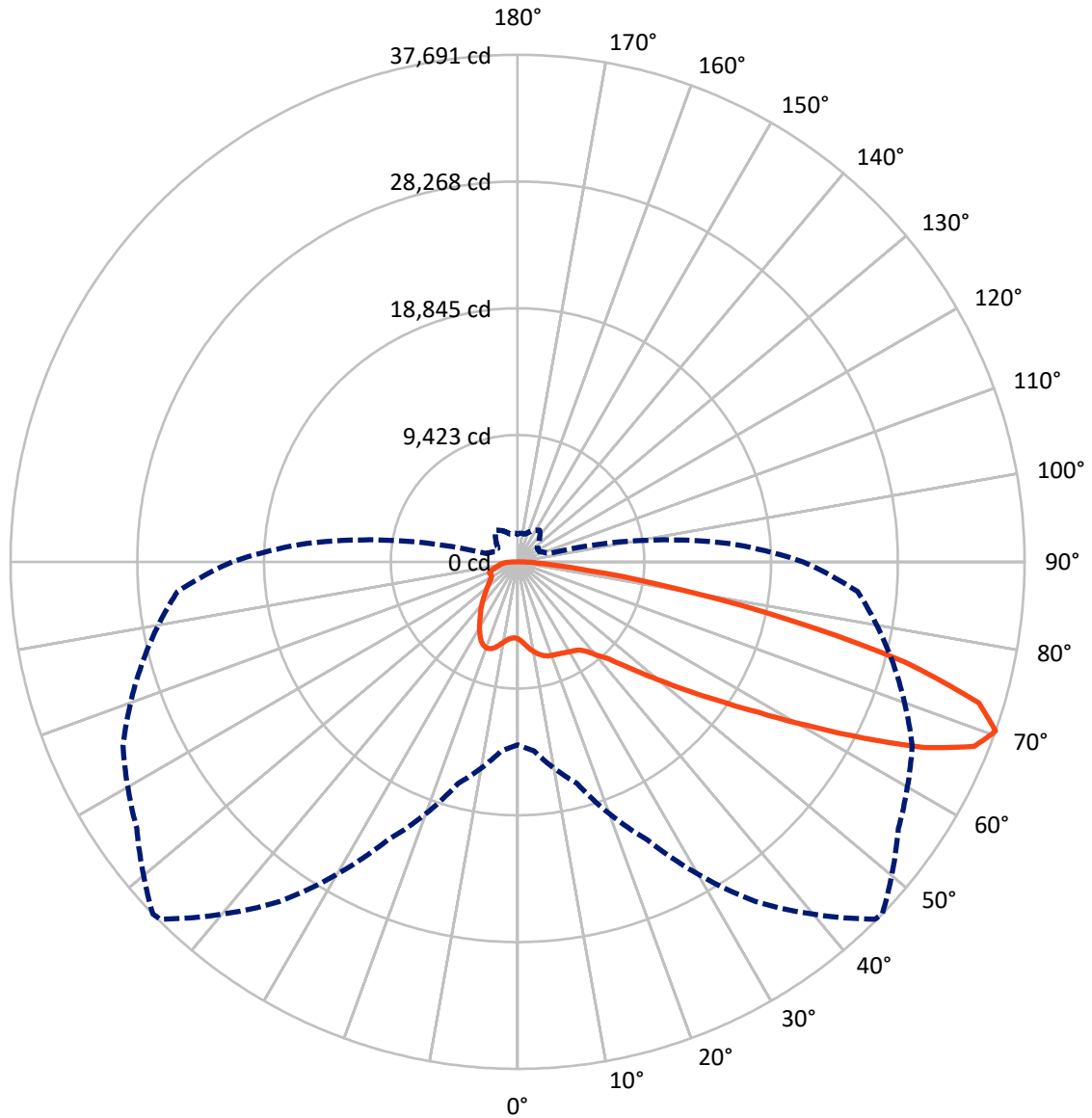
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12873.5	0.0	12873.5
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	43294.5	0.0	43294.5
	% Fixture	77.1	0.0	77.1
Total	Lumens	56168.0	0.0	56168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.4	1.0
10°-20°	1943.6	3.5
20°-30°	3240.7	5.8
30°-40°	4598.7	8.2
40°-50°	6764.5	12.0
50°-60°	11455.6	20.4
60°-70°	16261.1	29.0
70°-80°	9878.8	17.6
80°-90°	1441.7	2.6
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°	56168.0	100.0
0°-180°	56168.0	100.0

Coefficient of Utilization

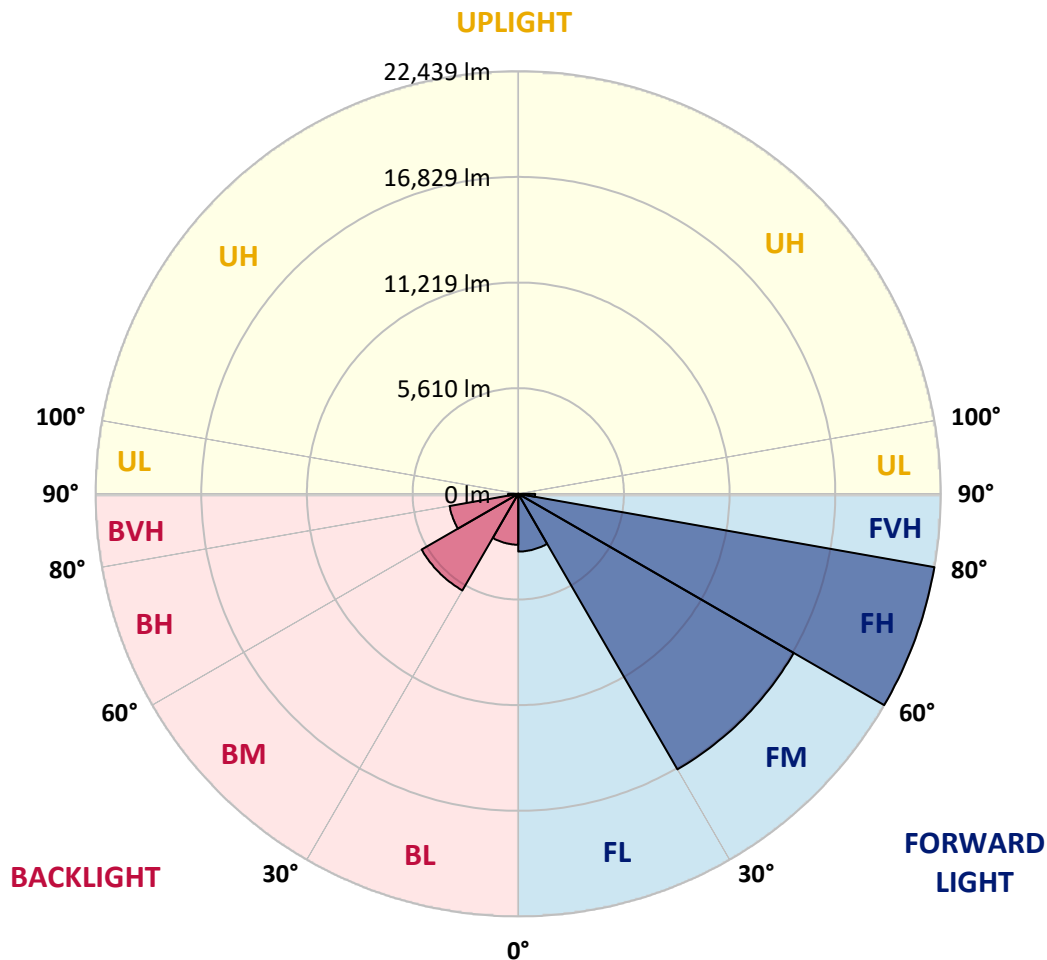


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3064.8	5.5			
FM (30°-60°)	16892.8	30.1			
FH (60°-80°)	22438.8	39.9			G5
FVH (80°-90°)	898.1	1.6			G5
BL (0°-30°)	2702.8	4.8	B4/5000		
BM (30°-60°)	5926.0	10.6	B4/8500		
BH (60°-80°)	3701.0	6.6	B4/5000		G4/5000
BVH (80°-90°)	543.6	1.0			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4
2.5°	6008.8	6012.7	6020.4	6001.1	5947.3	5931.9	5926.2	5870.4	5833.9	5780.1	5734.0
5°	6489.4	6493.2	6481.7	6427.9	6308.7	6220.3	6212.6	6085.7	5970.4	5847.4	5755.1
7.5°	6991.1	6996.8	6960.3	6858.4	6691.2	6537.4	6527.8	6354.8	6179.9	5993.5	5855.1
10°	7435.1	7412.0	7352.5	7210.2	7012.2	6823.8	6816.2	6635.5	6433.6	6208.7	6024.2
12.5°	7731.1	7711.9	7635.0	7462.0	7244.8	7071.8	7056.4	6889.2	6693.1	6447.1	6226.0
15°	7894.5	7908.0	7804.2	7608.1	7396.7	7250.6	7237.1	7117.9	6943.0	6695.1	6441.3
17.5°	7915.7	7927.2	7827.2	7633.1	7460.1	7360.1	7354.4	7275.6	7148.7	6910.3	6645.1
20°	7792.6	7800.3	7717.7	7558.1	7444.7	7414.0	7412.0	7377.4	7283.3	7071.8	6814.2
22.5°	7613.9	7619.6	7560.1	7444.7	7406.3	7454.3	7467.8	7454.3	7387.1	7189.1	6946.9
25°	7569.7	7565.8	7504.3	7387.1	7419.7	7521.6	7538.9	7544.7	7498.5	7325.5	7116.0
27.5°	7783.0	7769.6	7652.3	7463.9	7485.1	7608.1	7631.2	7686.9	7658.1	7506.2	7308.2
30°	8400.1	8377.0	8136.7	7756.1	7652.3	7715.8	7744.6	7833.0	7838.8	7711.9	7563.9
32.5°	9441.9	9413.1	8982.5	8302.0	7934.9	7825.3	7852.2	7984.9	8056.0	7958.0	7798.4
35°	10758.6	10725.9	10160.8	9230.5	8407.7	8034.8	8054.1	8159.8	8302.0	8163.6	7952.2
37.5°	12131.1	12052.3	11508.3	10322.3	9159.3	8482.7	8482.7	8496.2	8563.4	8275.1	8132.9
40°	13495.8	13417.0	12924.9	11606.3	10132.0	9188.2	9144.0	8846.0	8792.2	8544.2	8496.2
42.5°	14764.5	14741.4	14451.2	13057.6	11273.8	9882.1	9820.6	9315.0	9326.6	9172.8	9174.7
45°	16113.9	16113.9	15877.5	14522.3	12603.9	10997.0	10935.5	10191.6	10306.9	10235.8	10406.8
47.5°	17215.3	17249.9	17217.2	16048.5	14151.3	12413.6	12302.1	11406.4	11729.3	11973.4	12471.3
50°	18339.8	18393.6	18399.4	17722.8	16021.6	14097.5	13970.6	13019.1	13740.0	14439.6	15418.0
52.5°	19971.8	20092.9	19610.4	19393.2	18312.9	16096.6	15971.6	15093.2	16296.5	17278.7	18964.5
55°	21484.5	21378.8	21034.7	21169.3	20765.6	18372.5	18278.3	17507.5	19145.2	20421.6	22611.0
57.5°	22303.4	22295.7	22641.7	23218.4	23410.6	21178.9	21100.1	20350.4	22357.2	23316.4	26034.4
60°	23264.5	23278.0	24135.3	25444.3	26236.2	24673.5	24638.9	24069.9	25477.0	26019.0	28719.7
62.5°	23399.1	23641.3	25117.5	27370.4	28881.2	28756.3	28833.2	27420.3	28268.0	28175.8	30724.6
65°	21851.7	22170.8	24842.6	27952.8	31510.8	33221.6	33292.7	30790.0	30469.0	30019.2	31441.6
67.5°	18680.0	19152.9	22055.4	26686.0	32377.7	36522.0	36621.9	33402.2	32295.1	30643.9	29715.4
70°	13593.9	14118.6	17040.4	22791.6	30832.3	37577.3	37690.7	34557.5	32364.3	28865.8	25367.4
72.5°	8211.7	8623.0	11031.6	16779.0	26022.9	35655.1	35856.9	33092.8	29548.2	24450.5	18731.9
75°	3606.1	3875.2	5334.1	9668.7	18630.1	29500.2	29752.0	28325.7	24008.4	17768.9	11071.9
77.5°	1535.8	1612.7	2187.5	4200.0	10531.8	20158.2	20504.2	20696.4	16288.8	9668.7	4678.7
80°	957.3	988.0	1237.9	1901.1	4928.5	11321.8	11694.7	12177.2	8088.7	3554.2	1633.9
82.5°	582.4	617.0	822.7	1149.5	2566.2	5132.3	5311.1	5651.3	3139.0	1535.8	845.8
85°	349.8	374.8	503.6	726.6	1460.9	2018.3	2016.4	2229.8	1478.2	988.0	446.0
87.5°	167.2	186.5	269.1	376.8	736.2	757.4	709.3	803.5	897.7	647.8	224.9
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°	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4	5722.4
2.5°	5718.6	5710.9	5685.9	5666.7	5662.8	5651.3	5641.7	5647.5	5655.1	5657.1	5657.1
5°	5716.7	5695.5	5662.8	5649.4	5666.7	5689.7	5718.6	5757.0	5780.1	5797.4	5808.9
7.5°	5808.9	5768.6	5732.0	5724.3	5758.9	5820.5	5885.8	5966.5	6022.3	6060.7	6068.4
10°	5962.7	5912.7	5876.2	5883.9	5945.4	6033.8	6126.1	6229.9	6314.5	6366.4	6370.2
12.5°	6139.5	6091.5	6056.9	6089.6	6191.4	6299.1	6395.2	6485.5	6562.4	6614.3	6614.3
15°	6343.3	6308.7	6268.3	6343.3	6481.7	6577.8	6618.2	6662.4	6704.7	6743.1	6735.4
17.5°	6539.4	6506.7	6485.5	6574.0	6718.1	6762.3	6735.4	6702.7	6702.7	6723.9	6727.7
20°	6708.5	6679.7	6693.1	6779.6	6854.6	6808.5	6708.5	6604.7	6562.4	6574.0	6585.5
22.5°	6856.5	6843.1	6883.4	6923.8	6870.0	6708.5	6524.0	6383.7	6331.8	6327.9	6331.8
25°	7029.5	7027.6	7077.6	7004.5	6766.2	6468.2	6220.3	6083.8	6055.0	6078.0	6116.5
27.5°	7244.8	7266.0	7290.9	7023.8	6554.7	6104.9	5853.1	5758.9	5787.8	5843.5	5880.0
30°	7519.7	7577.4	7523.5	6975.7	6251.0	5689.7	5449.5	5422.6	5501.4	5580.2	5618.6
32.5°	7786.9	7877.2	7746.5	6850.8	5858.9	5249.6	5063.1	5055.4	5151.5	5228.4	5282.2
35°	8002.2	8180.9	7913.7	6602.8	5405.3	4844.0	4707.5	4655.6	4690.2	4780.5	4842.0
37.5°	8282.8	8580.7	8029.1	6224.1	4913.2	4509.5	4350.0	4230.8	4200.0	4236.6	4267.3
40°	8796.0	9190.1	8082.9	5695.5	4432.6	4175.0	4013.6	3838.7	3717.6	3629.1	3631.1
42.5°	9634.1	9984.0	8048.3	5053.5	3988.6	3848.3	3665.7	3463.8	3267.8	3067.8	3052.5
45°	10995.0	11164.2	7944.5	4373.0	3598.4	3506.1	3335.0	3133.2	2871.8	2645.0	2623.8
47.5°	13172.9	12798.1	7783.0	3779.1	3254.3	3215.9	3058.2	2825.6	2548.9	2366.2	2350.9
50°	16142.7	15156.6	7704.2	3306.2	2950.6	2962.1	2833.3	2587.3	2325.9	2191.3	2175.9
52.5°	19695.0	17903.5	7856.1	2941.0	2706.5	2746.8	2650.7	2420.1	2200.9	2095.2	2079.8
55°	23379.8	20748.3	8019.5	2675.7	2475.8	2554.6	2521.9	2331.6	2133.7	2035.6	2022.2
57.5°	26534.2	22872.4	7692.7	2460.4	2270.1	2393.2	2422.0	2275.9	2099.1	2010.6	1995.3
60°	28519.8	23727.8	6835.4	2258.6	2106.7	2264.4	2364.3	2260.5	2112.5	2104.8	2093.3
62.5°	29461.7	23652.8	5549.4	2099.1	2004.9	2208.6	2406.6	2347.0	2266.3	2335.5	2341.3
65°	29038.8	22522.5	4132.8	1993.3	1931.8	2229.8	2533.5	2510.4	2310.5	2379.7	2389.3
67.5°	26255.5	19825.7	3060.2	1901.1	1851.1	2289.4	2764.1	2564.2	2224.0	2274.0	2243.2
70°	21221.2	15717.9	2360.5	1797.3	1768.4	2281.7	2867.9	2531.6	2129.8	2141.3	2058.7
72.5°	14633.8	10718.2	1920.3	1701.2	1649.3	2079.8	2794.9	2450.8	2051.0	1962.6	1853.0
75°	7958.0	5753.2	1632.0	1601.2	1439.7	1826.1	2660.3	2393.2	1979.9	1862.6	1801.1
77.5°	3131.3	2387.4	1416.7	1464.7	1259.0	1612.7	2510.4	2283.6	1881.8	1728.1	1697.3
80°	1278.3	1218.7	1174.5	1266.7	1082.2	1410.9	2329.7	2154.8	1764.6	1603.1	1541.6
82.5°	724.7	757.4	913.0	999.5	878.5	1299.4	2243.2	2051.0	1624.3	1435.9	1362.8
85°	371.0	444.0	636.3	717.0	645.9	1105.3	2066.4	1795.3	1303.3	1099.5	1105.3
87.5°	178.8	248.0	401.7	449.8	419.0	799.6	1543.5	1301.3	1014.9	803.5	778.5
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)