

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: P317053

Luminaire Tested: **GAN-SA9C-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

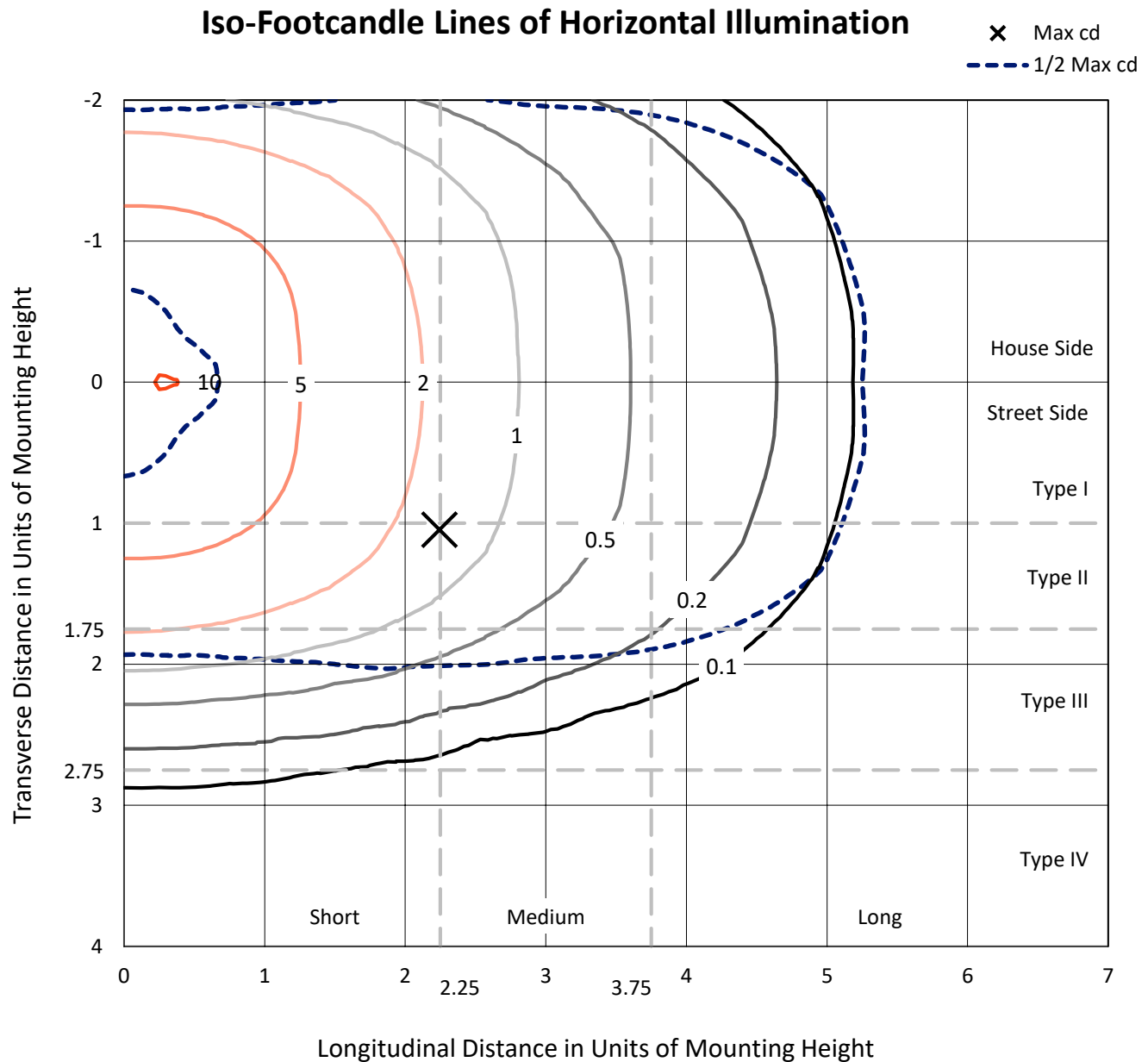
Lumens per Lamp: N/A
Luminaire Lumens: 54054 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 501
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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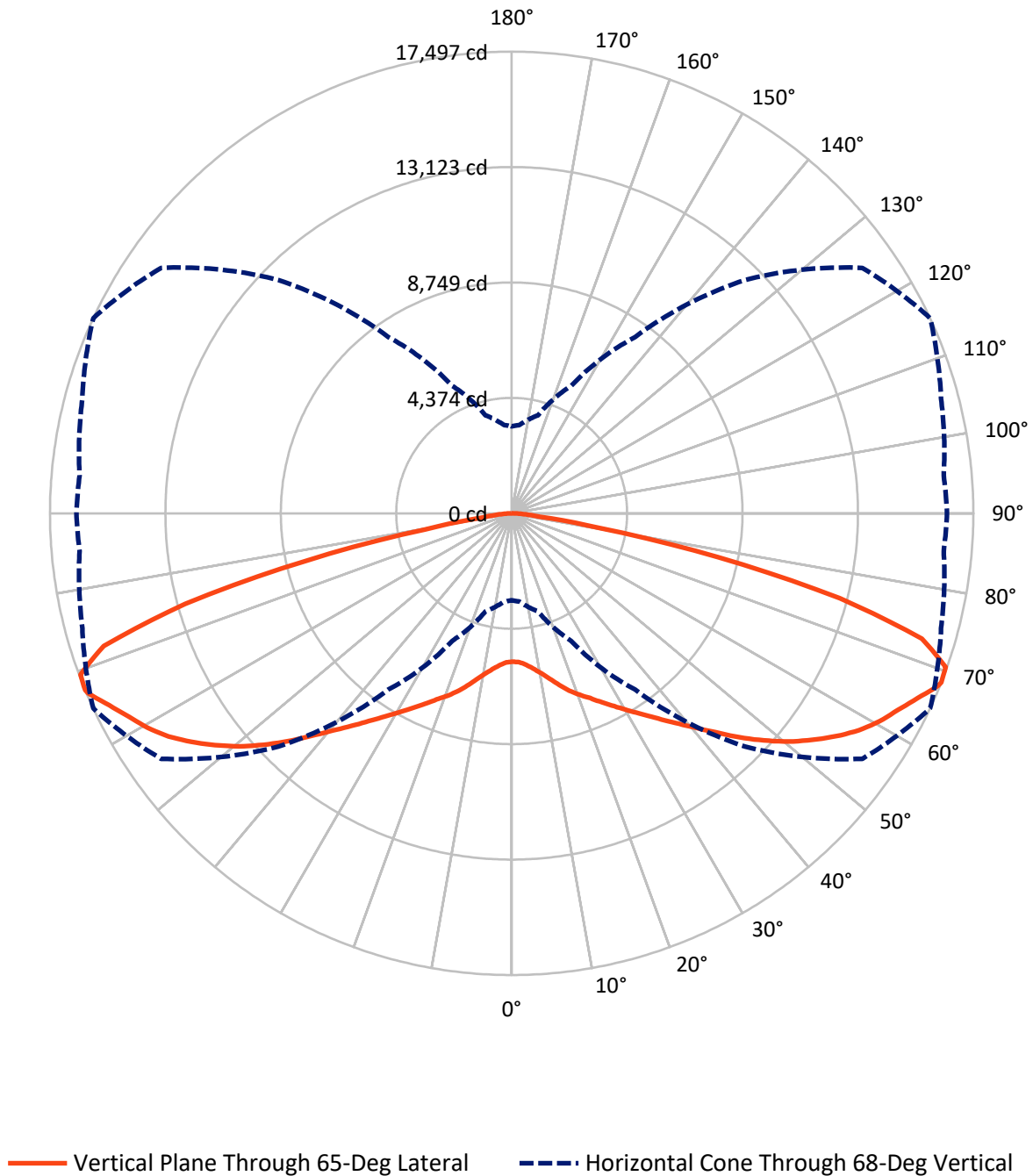


Based on 25 foot mounting height. Maximum calculated value = 10.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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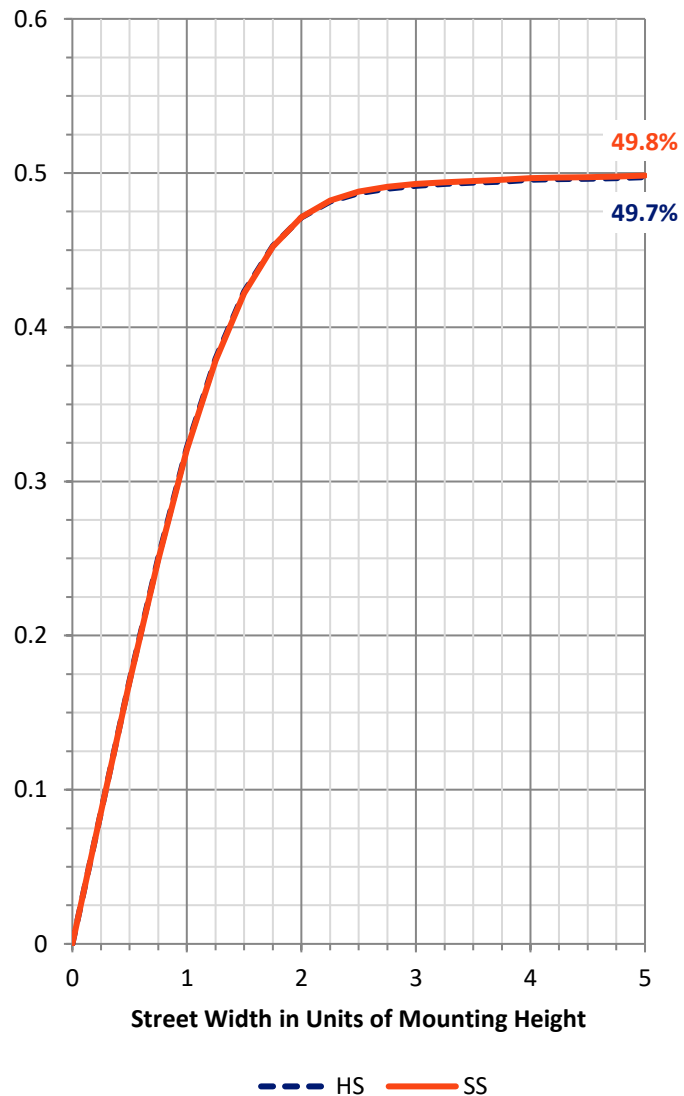
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27027.0	0.0	27027.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27027.0	0.0	27027.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	54054.0	0.0	54054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.3	1.0
10°-20°	1842.5	3.4
20°-30°	3592.5	6.6
30°-40°	6035.1	11.2
40°-50°	9509.2	17.6
50°-60°	12716.9	23.5
60°-70°	12362.4	22.9
70°-80°	6757.9	12.5
80°-90°	687.3	1.3
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°	54054.0	100.0
0°-180°	54054.0	100.0

Coefficient of Utilization



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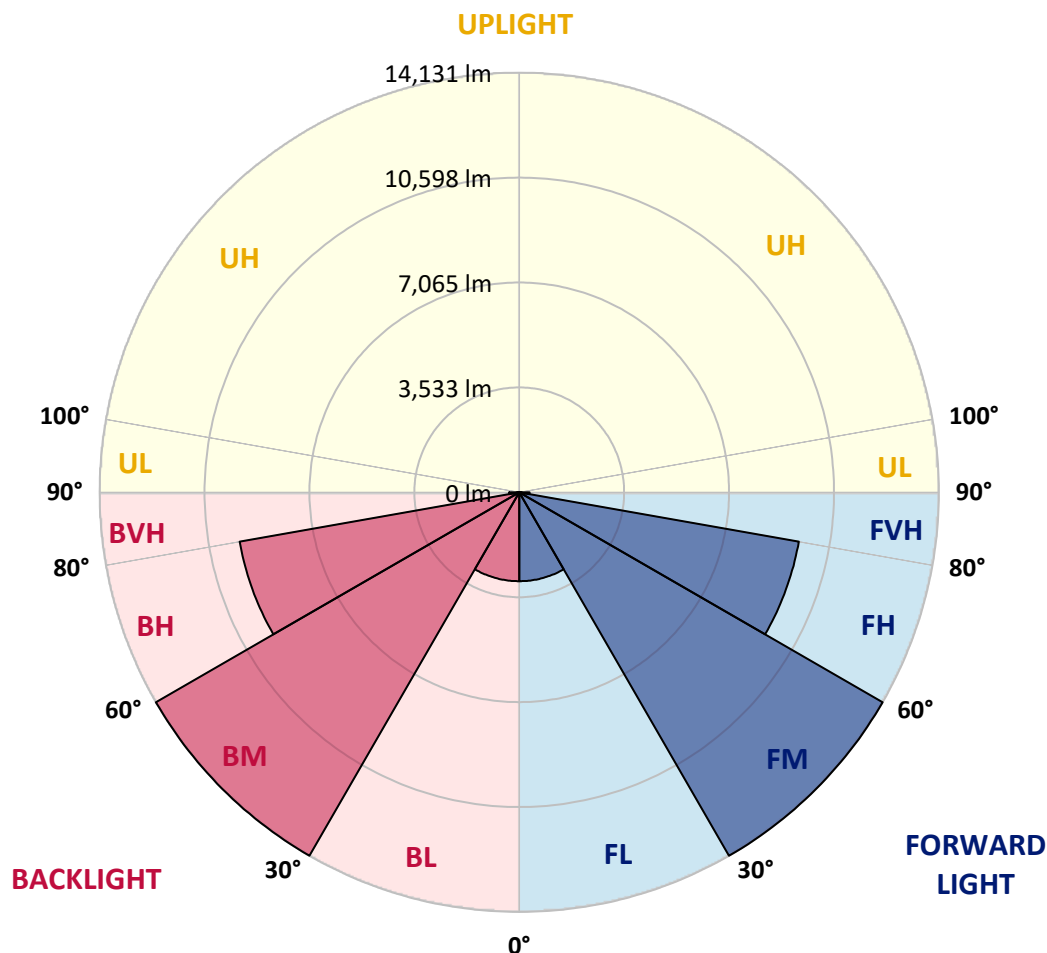
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2992.6	5.5			
FM	(30°-60°)	14130.6	26.1			
FH	(60°-80°)	9560.2	17.7			G4/12000
FVH	(80°-90°)	343.6	0.6			G3/500
BL	(0°-30°)	2992.6	5.5	B4/5000		
BM	(30°-60°)	14130.6	26.1	B5		
BH	(60°-80°)	9560.2	17.7	B5		G5
BVH	(80°-90°)	343.6	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5620.3	5620.3	5620.3	5620.3	5620.3	5620.3	5620.3	5620.3	5620.3	5620.3	5620.3
2.5°	5580.5	5582.3	5591.3	5602.2	5611.3	5634.8	5640.3	5649.3	5653.0	5662.0	5662.0
5°	5531.5	5535.2	5556.9	5585.9	5618.5	5676.5	5718.2	5765.3	5788.9	5814.3	5812.5
7.5°	5526.1	5535.2	5566.0	5613.1	5667.5	5763.5	5850.5	5944.8	6008.2	6066.2	6062.6
10°	5582.3	5596.8	5640.3	5711.0	5792.5	5912.1	6040.8	6167.7	6278.3	6367.1	6370.7
12.5°	5667.5	5685.6	5754.5	5861.4	5984.6	6138.7	6290.9	6434.1	6586.4	6718.7	6729.6
15°	5779.8	5803.4	5906.7	6066.2	6254.7	6437.7	6600.9	6747.7	6923.5	7106.5	7124.7
17.5°	5946.6	5979.2	6115.1	6330.8	6579.1	6780.3	6950.7	7061.2	7208.0	7396.5	7431.0
20°	6200.3	6242.0	6414.2	6671.6	6974.2	7184.5	7315.0	7338.5	7411.0	7579.6	7619.5
22.5°	6530.2	6566.4	6758.5	7064.9	7403.8	7632.1	7701.0	7606.8	7599.5	7735.4	7773.5
25°	6898.1	6930.7	7153.7	7498.0	7862.3	8114.2	8112.4	7929.4	7802.5	7907.6	7947.5
27.5°	7311.3	7362.1	7576.0	7938.4	8328.1	8576.4	8561.9	8279.2	8038.1	8065.3	8099.7
30°	7786.2	7842.4	8050.8	8418.7	8808.4	9051.3	9033.1	8659.8	8297.3	8224.8	8250.2
32.5°	8375.2	8442.3	8639.9	9002.3	9346.7	9566.0	9513.4	9073.0	8609.0	8451.4	8474.9
35°	9083.9	9123.8	9332.2	9689.2	9968.4	10118.8	10008.2	9551.5	9004.2	8813.8	8813.8
37.5°	9801.6	9832.4	10066.2	10412.4	10682.5	10762.2	10546.5	10075.3	9520.7	9250.6	9256.1
40°	10490.3	10573.7	10836.5	11191.8	11458.2	11479.9	11193.6	10673.4	10095.2	9816.1	9848.7
42.5°	11209.9	11291.4	11605.0	12007.3	12243.0	12279.2	11943.9	11344.0	10744.1	10517.5	10553.8
45°	11851.5	11916.7	12279.2	12746.8	13040.4	13134.7	12737.8	12112.5	11445.5	11224.4	11233.4
47.5°	12299.1	12384.3	12783.1	13334.0	13761.8	13906.8	13517.1	12861.0	12136.0	11867.8	11891.4
50°	12705.1	12750.4	13154.6	13756.3	14300.1	14599.1	14265.6	13600.5	12833.8	12549.3	12574.6
52.5°	12931.7	12989.7	13381.2	14008.3	14651.7	15133.8	14930.8	14265.6	13508.0	13230.7	13261.5
55°	12774.0	12817.5	13286.9	14064.5	14869.2	15463.6	15494.5	14916.3	14169.6	13926.7	14013.7
57.5°	12056.3	12110.7	12683.4	13702.0	14896.4	15686.6	15918.6	15519.8	14787.6	14590.1	14640.8
60°	10934.4	10968.8	11579.6	12725.1	14367.1	15779.0	16188.6	16012.8	15393.0	15195.4	15264.3
62.5°	8935.3	8986.0	9716.4	11251.6	13248.9	15505.3	16449.6	16420.6	15956.6	15775.4	15837.0
65°	6107.9	6196.7	7005.0	8946.2	11525.2	14668.0	16687.0	16895.5	16455.0	16226.7	16308.2
67.5°	3688.3	3753.5	4339.0	5906.7	8819.3	12978.8	16442.4	17435.6	16806.7	16438.7	16505.8
68°	3296.8	3356.6	3846.0	5330.4	8157.7	12502.1	16219.4	17497.2	16844.7	16435.1	16494.9
70°	1991.9	2031.7	2359.8	3295.0	5439.1	9917.6	14698.8	17446.4	17087.6	16485.9	16520.3
72.5°	1297.7	1310.4	1364.8	1691.0	2778.5	5546.0	11032.3	16257.5	17451.9	16781.3	16775.8
75°	1078.4	1071.1	1076.6	1114.6	1370.2	2432.3	6446.8	12842.9	16636.3	16315.5	16201.3
77.5°	911.7	906.2	904.4	906.2	917.1	1174.5	2798.4	8000.1	12730.5	14432.4	14533.9
80°	737.7	730.4	754.0	743.1	710.5	730.4	1172.6	3327.6	6001.0	6455.9	6049.9
82.5°	536.5	509.3	610.8	581.8	554.6	514.7	647.0	1074.8	1431.8	982.3	690.5
85°	413.2	384.2	464.0	445.9	380.6	262.8	384.2	525.6	580.0	331.7	261.0
87.5°	168.6	177.6	335.3	264.6	222.9	126.9	157.7	210.2	282.7	141.4	108.7
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)