

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: P317211

Luminaire Tested: **GAN-SA7C-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317211
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-SA7C-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51139 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

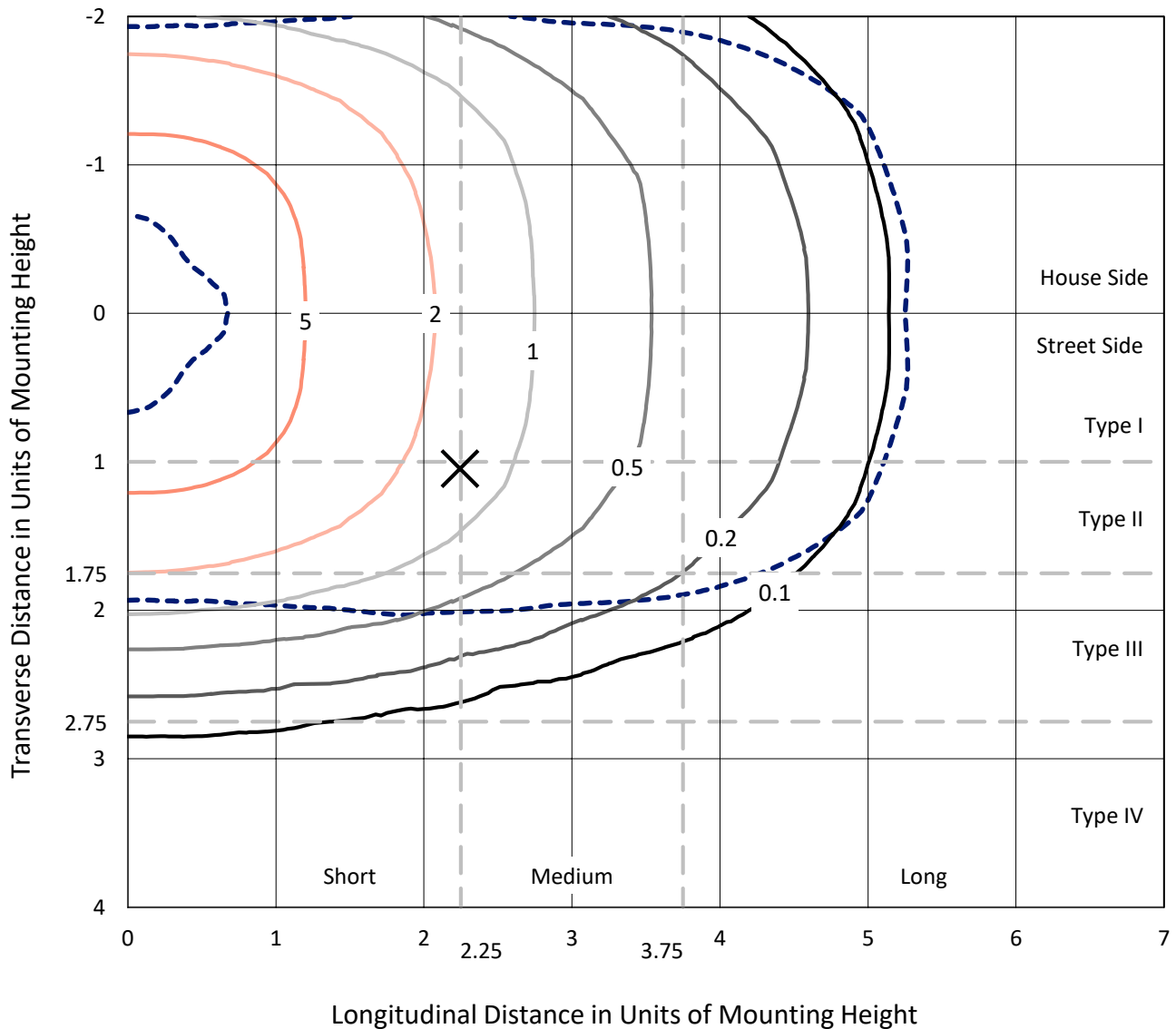
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

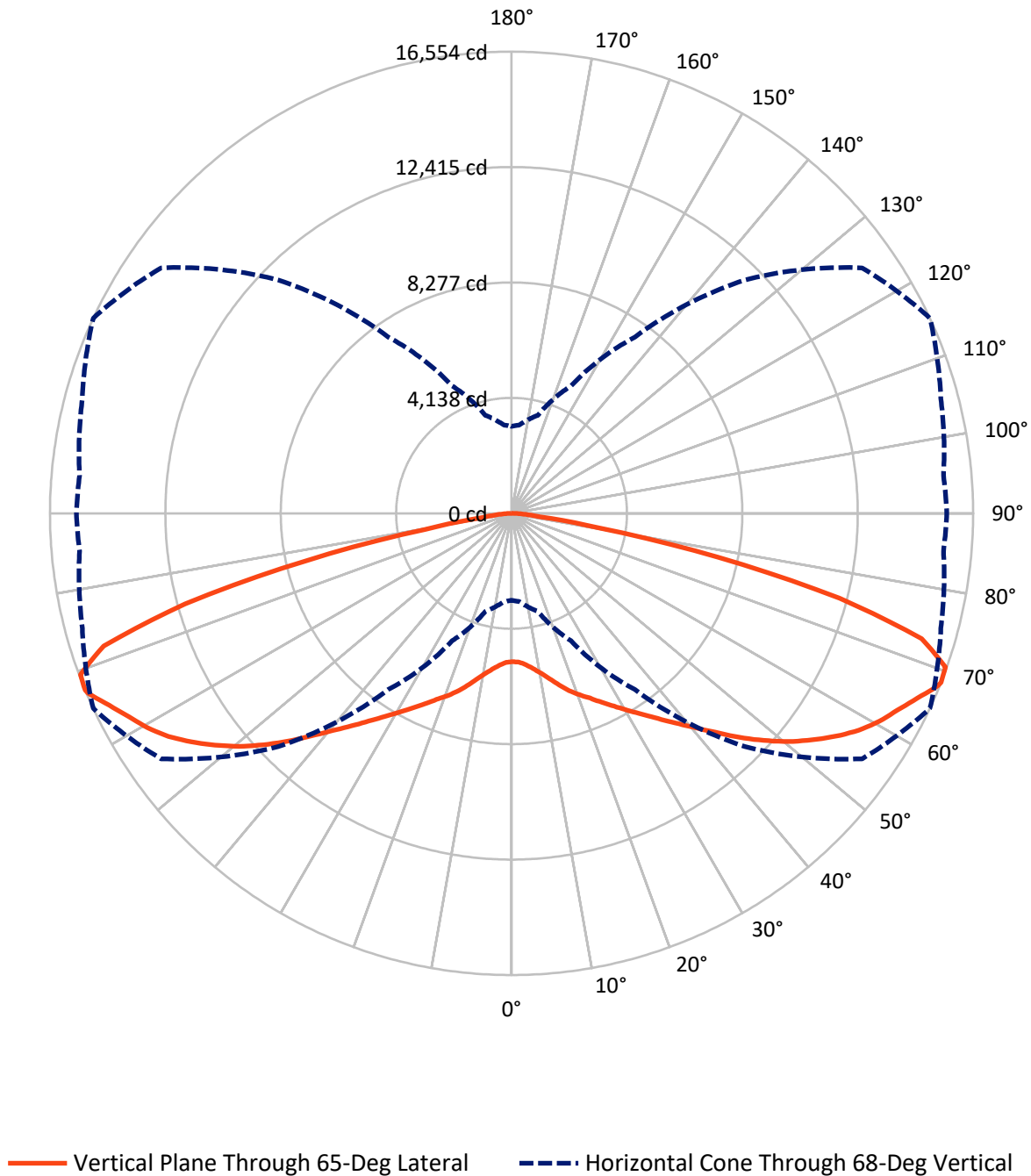
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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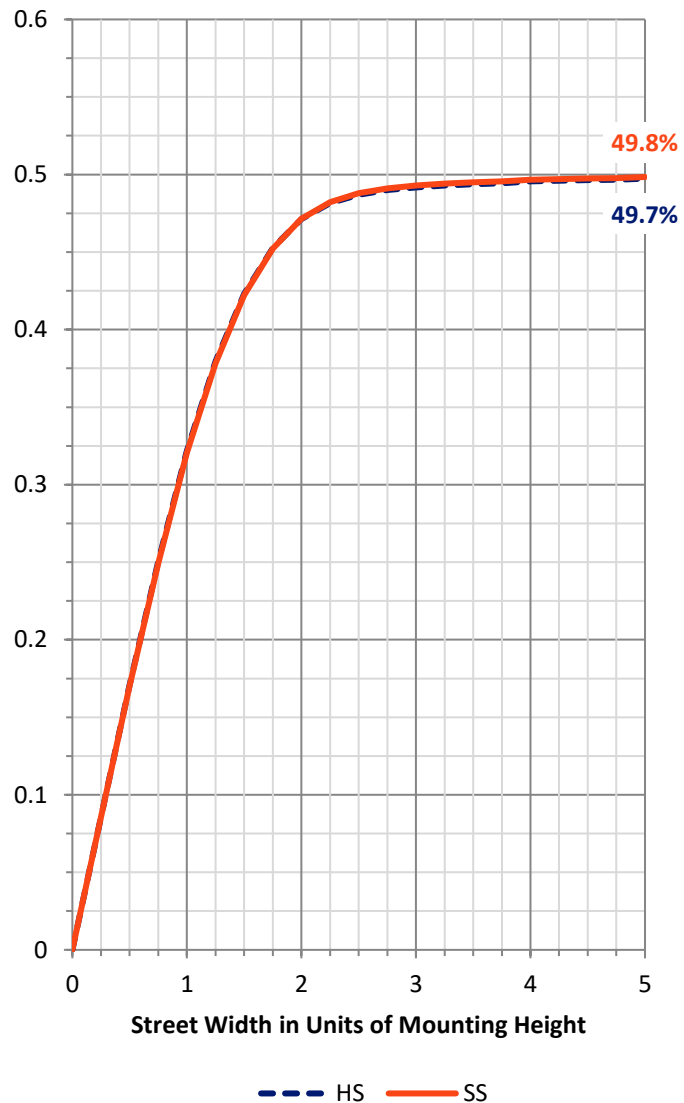
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25569.5	0.0	25569.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25569.5	0.0	25569.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51139.0	0.0	51139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.6	1.0
10°-20°	1743.2	3.4
20°-30°	3398.7	6.6
30°-40°	5709.6	11.2
40°-50°	8996.3	17.6
50°-60°	12031.1	23.5
60°-70°	11695.7	22.9
70°-80°	6393.5	12.5
80°-90°	650.2	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°	51139.0	100.0
0°-180°	51139.0	100.0

Coefficient of Utilization



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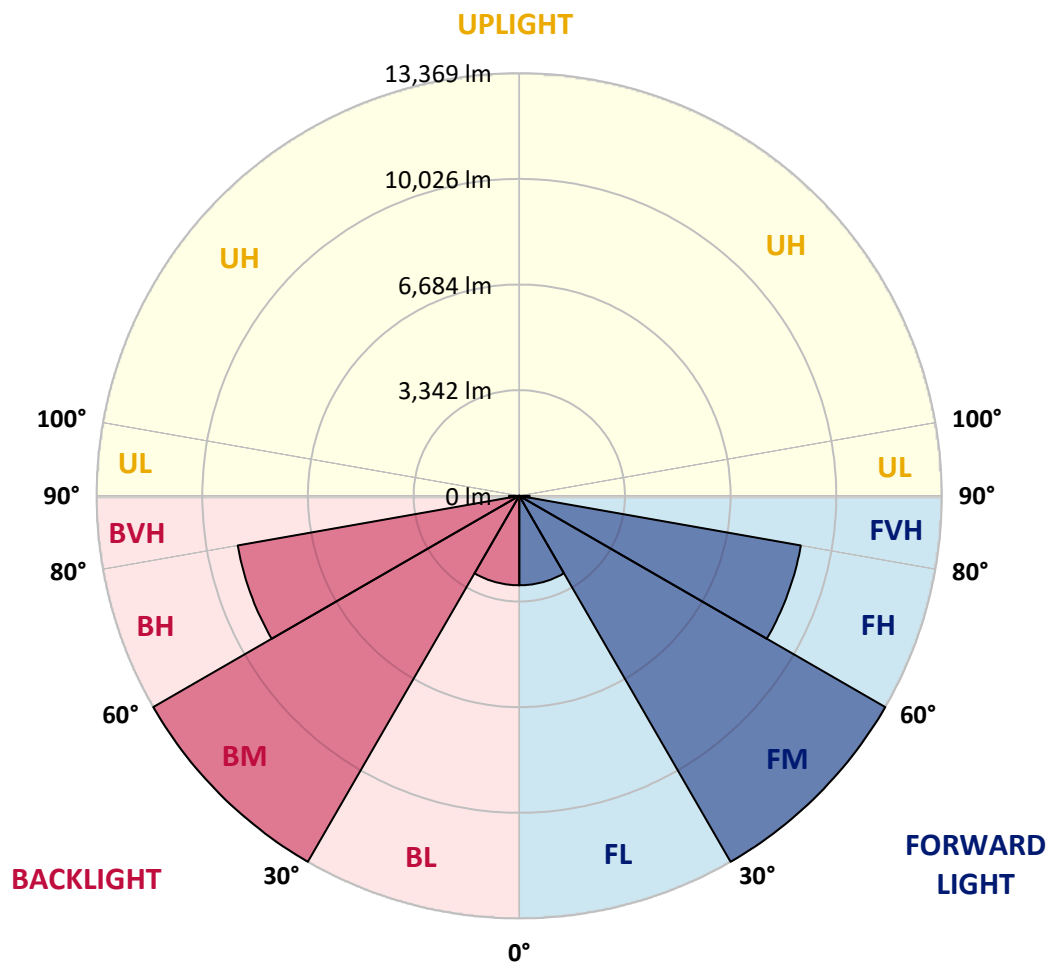
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2831.2	5.5			
FM	(30°-60°)	13368.5	26.1			
FH	(60°-80°)	9044.6	17.7			G4/12000
FVH	(80°-90°)	325.1	0.6			G3/500
BL	(0°-30°)	2831.2	5.5	B4/5000		
BM	(30°-60°)	13368.5	26.1	B5		
BH	(60°-80°)	9044.6	17.7	B5		G5
BVH	(80°-90°)	325.1	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°	5317.3	5317.3	5317.3	5317.3	5317.3	5317.3	5317.3	5317.3	5317.3	5317.3	5317.3
2.5°	5279.5	5281.2	5289.8	5300.1	5308.7	5331.0	5336.1	5344.7	5348.1	5356.7	5356.7
5°	5233.2	5236.7	5257.2	5284.7	5315.5	5370.4	5409.8	5454.4	5476.7	5500.7	5499.0
7.5°	5228.1	5236.7	5265.8	5310.4	5361.8	5452.7	5535.0	5624.2	5684.2	5739.1	5735.6
10°	5281.2	5295.0	5336.1	5403.0	5480.1	5593.3	5715.1	5835.1	5939.7	6023.7	6027.1
12.5°	5361.8	5379.0	5444.1	5545.3	5661.9	5807.7	5951.7	6087.1	6231.2	6356.4	6366.6
15°	5468.1	5490.4	5588.2	5739.1	5917.4	6090.6	6244.9	6383.8	6550.1	6723.3	6740.4
17.5°	5625.9	5656.8	5785.4	5989.4	6224.3	6414.7	6575.8	6680.4	6819.3	6997.6	7030.2
20°	5866.0	5905.4	6068.3	6311.8	6598.1	6797.0	6920.5	6942.8	7011.4	7170.8	7208.6
22.5°	6178.0	6212.3	6394.1	6683.9	7004.5	7220.6	7285.7	7196.6	7189.7	7318.3	7354.3
25°	6526.1	6557.0	6767.9	7093.7	7438.3	7676.7	7675.0	7501.8	7381.7	7481.2	7518.9
27.5°	6917.1	6965.1	7167.4	7510.3	7879.0	8113.9	8100.2	7832.7	7604.6	7630.4	7662.9
30°	7366.3	7419.5	7616.7	7964.7	8333.4	8563.2	8546.0	8192.8	7849.8	7781.3	7805.3
32.5°	7923.6	7987.0	8173.9	8516.9	8842.7	9050.1	9000.4	8583.7	8144.8	7995.6	8017.9
35°	8594.0	8631.7	8828.9	9166.7	9430.8	9573.1	9468.5	9036.4	8518.6	8338.5	8338.5
37.5°	9273.0	9302.2	9523.4	9850.9	10106.4	10181.8	9977.8	9532.0	9007.3	8751.8	8756.9
40°	9924.6	10003.5	10252.1	10588.2	10840.3	10860.8	10589.9	10097.8	9550.8	9286.8	9317.6
42.5°	10605.4	10682.5	10979.2	11359.8	11582.7	11617.0	11299.8	10732.2	10164.7	9950.3	9984.6
45°	11212.4	11274.1	11617.0	12059.4	12337.2	12426.4	12050.8	11459.3	10828.3	10619.1	10627.6
47.5°	11635.9	11716.5	12093.7	12615.0	13019.6	13156.8	12788.2	12167.4	11481.6	11227.8	11250.1
50°	12020.0	12062.8	12445.2	13014.5	13528.9	13811.8	13496.3	12867.0	12141.7	11872.5	11896.5
52.5°	12234.3	12289.2	12659.6	13252.8	13861.6	14317.7	14125.6	13496.3	12779.6	12517.2	12546.4
55°	12085.1	12126.3	12570.4	13306.0	14067.3	14629.7	14658.9	14111.9	13405.4	13175.7	13258.0
57.5°	11406.1	11457.6	11999.4	12963.1	14093.0	14840.6	15060.1	14682.9	13990.2	13803.3	13851.3
60°	10344.7	10377.3	10955.2	12038.8	13592.3	14928.1	15315.6	15149.3	14562.9	14376.0	14441.1
62.5°	8453.4	8501.4	9192.5	10644.8	12534.4	14669.2	15562.5	15535.1	15096.1	14924.7	14983.0
65°	5778.5	5862.5	6627.3	8463.7	10903.7	13877.0	15787.1	15984.3	15567.7	15351.6	15428.8
67.5°	3489.4	3551.1	4105.0	5588.2	8343.7	12278.9	15555.7	16495.3	15900.3	15552.2	15615.7
68°	3119.0	3175.6	3638.6	5042.9	7717.8	11827.9	15344.8	16553.6	15936.3	15548.8	15605.4
70°	1884.4	1922.2	2232.5	3117.3	5145.8	9382.8	13906.1	16505.6	16166.1	15596.8	15629.4
72.5°	1227.7	1239.7	1291.2	1599.8	2628.6	5247.0	10437.3	15380.8	16510.7	15876.3	15871.2
75°	1020.2	1013.4	1018.5	1054.5	1296.3	2301.1	6099.2	12150.3	15739.1	15435.6	15327.6
77.5°	862.5	857.3	855.6	857.3	867.6	1111.1	2647.5	7568.6	12044.0	13654.1	13750.1
80°	697.9	691.0	713.3	703.0	672.2	691.0	1109.4	3148.2	5677.3	6107.7	5723.6
82.5°	507.5	481.8	577.9	550.4	524.7	487.0	612.1	1016.8	1354.6	929.4	653.3
85°	390.9	363.5	439.0	421.8	360.1	248.6	363.5	497.3	548.7	313.8	246.9
87.5°	159.5	168.0	317.2	250.3	210.9	120.0	149.2	198.9	267.5	133.7	102.9
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)