

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: P317220

Luminaire Tested: **GAN-SA6D-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317220
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-SA6D-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47436 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 382
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



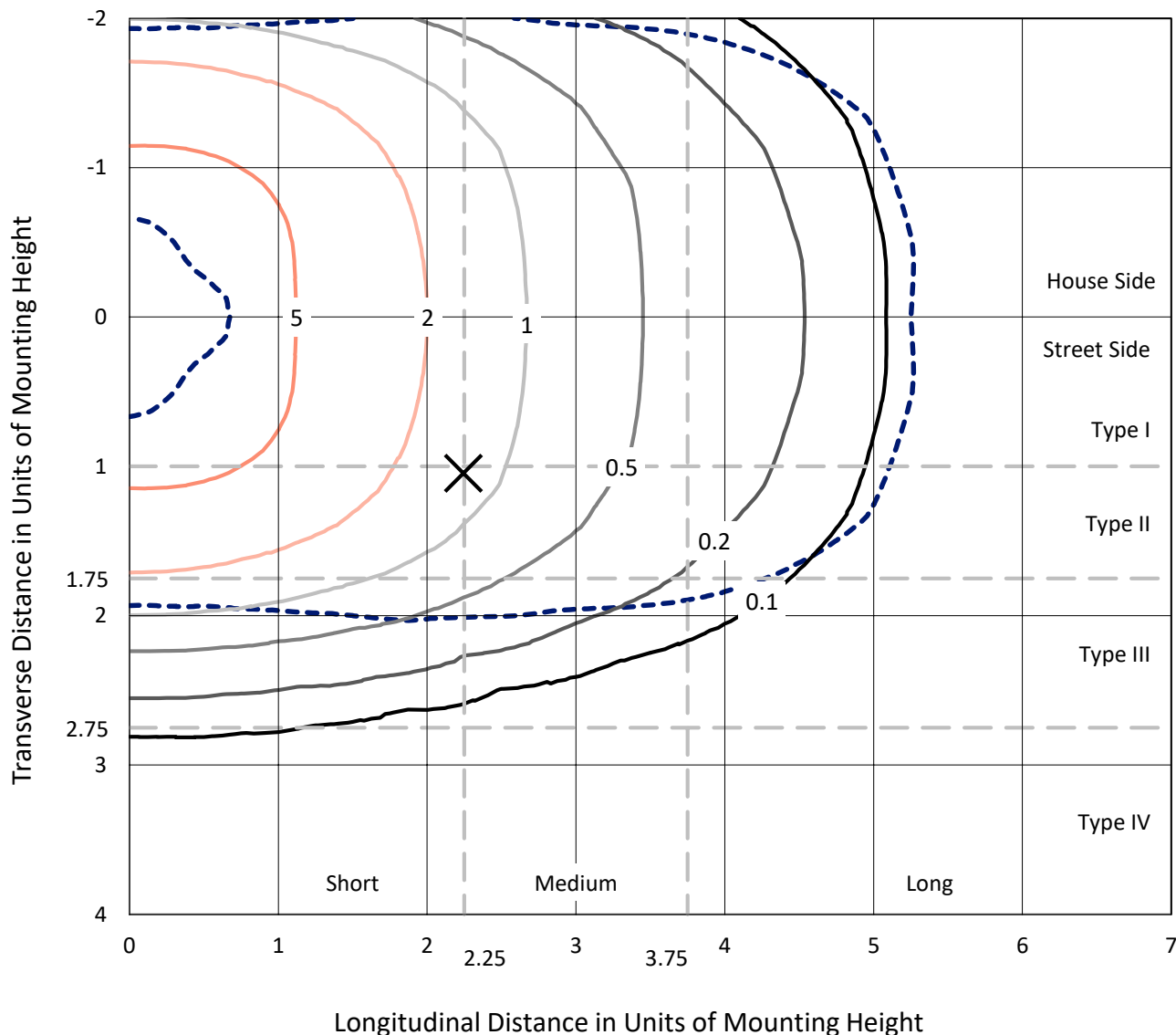
REPORT NUMBER: P317220

CATALOG NUMBER: GAN-SA6D-760-U-RW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

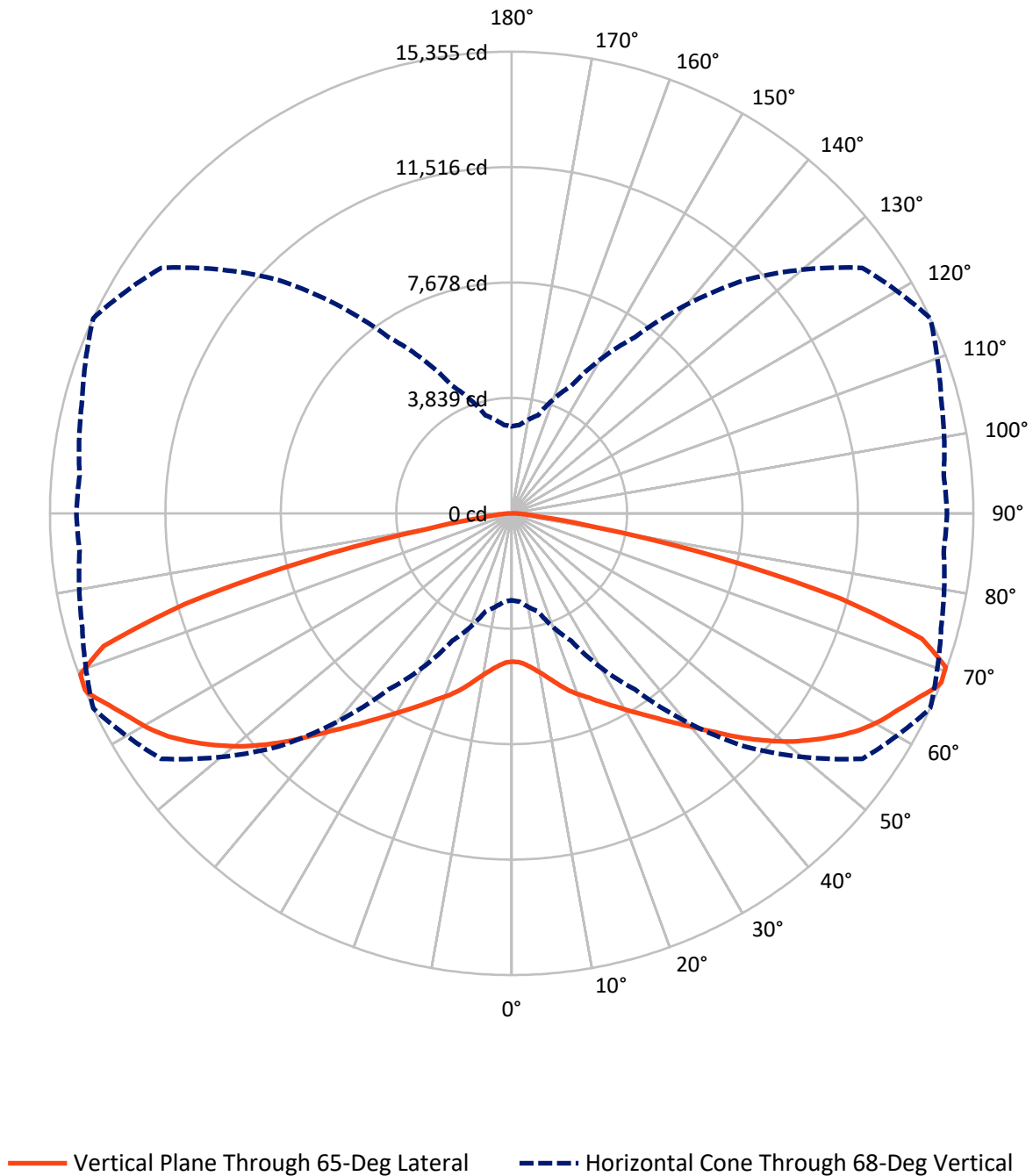
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Short - N/A

REPORT NUMBER: P317220
CATALOG NUMBER: GAN-SA6D-760-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317220

CATALOG NUMBER: GAN-SA6D-760-U-RW

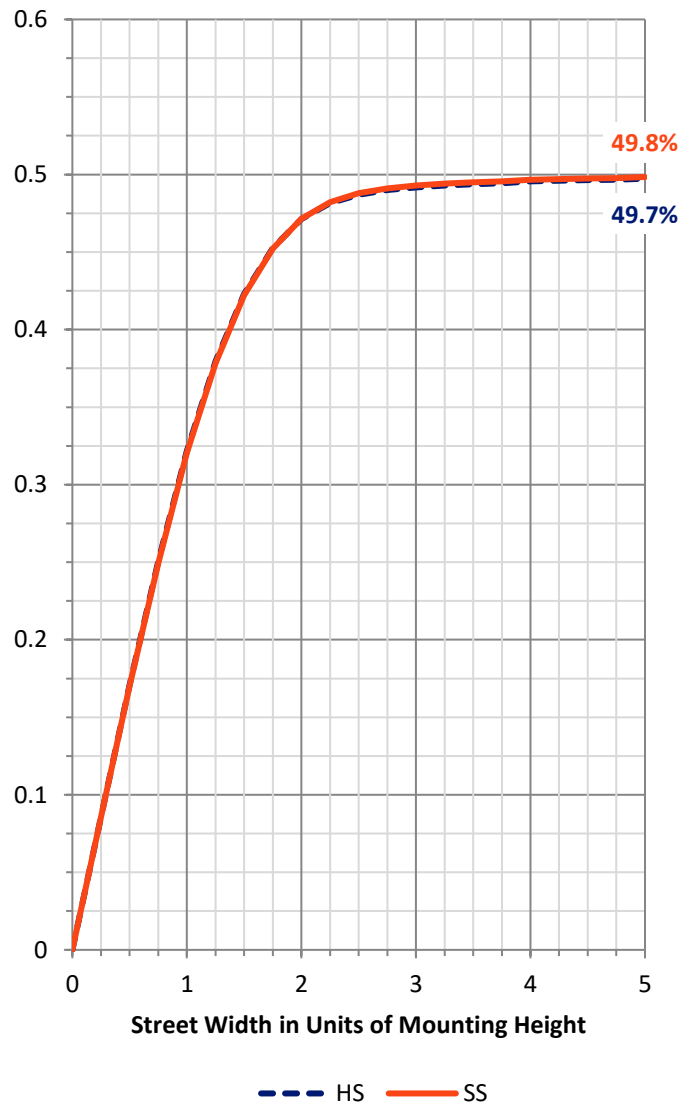
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23718.0	0.0	23718.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23718.0	0.0	23718.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47436.0	0.0	47436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.9	1.0
10°-20°	1616.9	3.4
20°-30°	3152.6	6.6
30°-40°	5296.2	11.2
40°-50°	8344.9	17.6
50°-60°	11159.9	23.5
60°-70°	10848.8	22.9
70°-80°	5930.5	12.5
80°-90°	603.1	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°	47436.0	100.0
0°-180°	47436.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317220

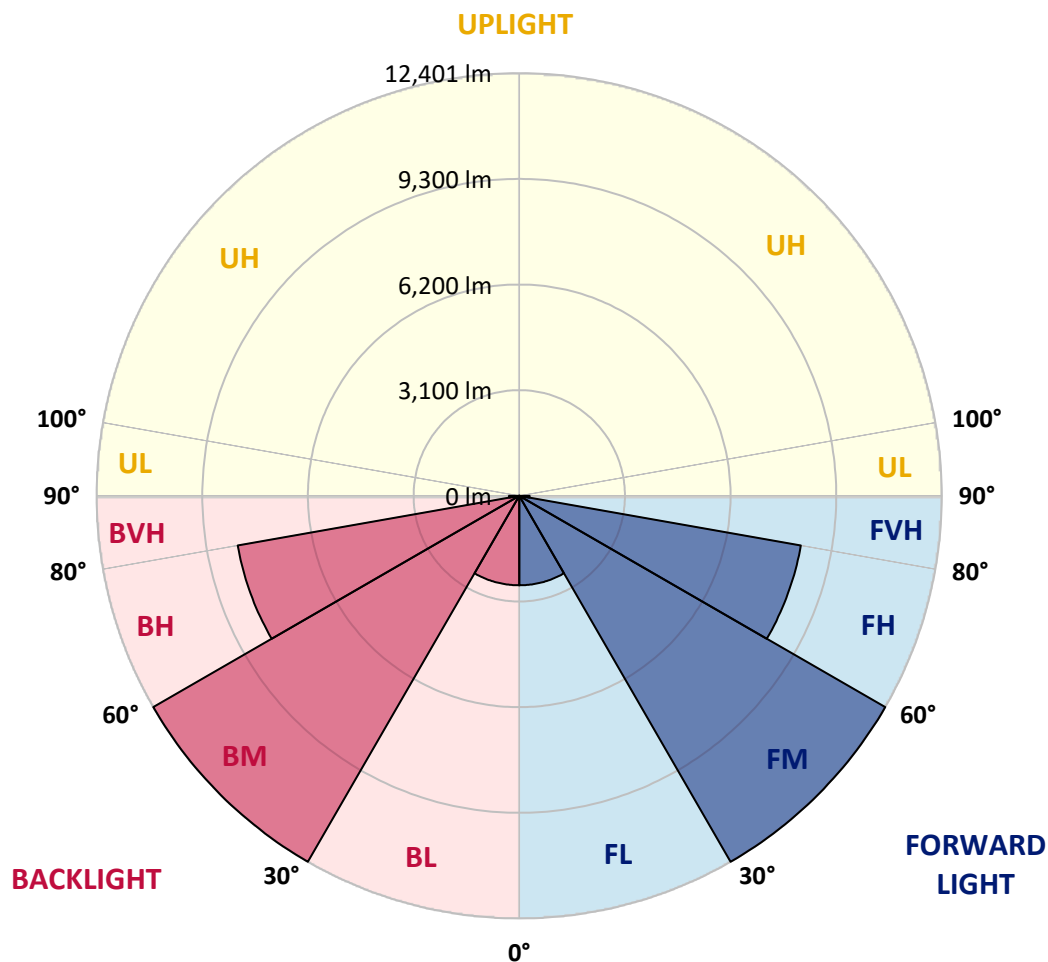
CATALOG NUMBER: GAN-SA6D-760-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2626.2	5.5			
FM	(30°-60°)	12400.5	26.1			
FH	(60°-80°)	8389.7	17.7			G4/12000
FVH	(80°-90°)	301.6	0.6			G3/500
BL	(0°-30°)	2626.2	5.5	B4/5000		
BM	(30°-60°)	12400.5	26.1	B5		
BH	(60°-80°)	8389.7	17.7	B5		G5
BVH	(80°-90°)	301.6	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



REPORT NUMBER: P317220

CATALOG NUMBER: GAN-SA6D-760-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4932.2	4932.2	4932.2	4932.2	4932.2	4932.2	4932.2	4932.2	4932.2	4932.2	4932.2
2.5°	4897.2	4898.8	4906.8	4916.3	4924.3	4945.0	4949.7	4957.7	4960.9	4968.8	4968.8
5°	4854.3	4857.5	4876.6	4902.0	4930.6	4981.5	5018.1	5059.5	5080.1	5102.4	5100.8
7.5°	4849.5	4857.5	4884.5	4925.9	4973.6	5057.9	5134.2	5216.9	5272.6	5323.5	5320.3
10°	4898.8	4911.6	4949.7	5011.8	5083.3	5188.3	5301.2	5412.6	5509.6	5587.5	5590.7
12.5°	4973.6	4989.5	5049.9	5143.8	5251.9	5387.1	5520.7	5646.4	5780.0	5896.1	5905.6
15°	5072.2	5092.9	5183.5	5323.5	5488.9	5649.6	5792.7	5921.5	6075.8	6236.5	6252.4
17.5°	5218.5	5247.2	5366.4	5555.7	5773.6	5950.2	6099.7	6196.7	6325.5	6490.9	6521.2
20°	5441.2	5477.8	5628.9	5854.7	6120.4	6304.9	6419.4	6440.0	6503.7	6651.6	6686.6
22.5°	5730.7	5762.5	5931.1	6199.9	6497.3	6697.7	6758.2	6675.4	6669.1	6788.4	6821.8
25°	6053.6	6082.2	6277.8	6580.0	6899.7	7120.8	7119.2	6958.6	6847.2	6939.5	6974.5
27.5°	6416.2	6460.7	6648.4	6966.5	7308.5	7526.4	7513.7	7265.5	7054.0	7077.9	7108.1
30°	6832.9	6882.2	7065.1	7388.0	7730.0	7943.1	7927.2	7599.5	7281.4	7217.8	7240.1
32.5°	7349.8	7408.7	7582.0	7900.2	8202.4	8394.8	8348.7	7962.2	7555.0	7416.6	7437.3
35°	7971.7	8006.7	8189.6	8503.0	8747.9	8879.9	8782.9	8382.1	7901.7	7734.7	7734.7
37.5°	8601.6	8628.6	8833.8	9137.6	9374.6	9444.6	9255.3	8841.7	8355.0	8118.1	8122.8
40°	9206.0	9279.1	9509.8	9821.5	10055.3	10074.4	9823.1	9366.6	8859.2	8614.3	8642.9
42.5°	9837.4	9909.0	10184.2	10537.2	10744.0	10775.8	10481.6	9955.1	9428.7	9229.8	9261.6
45°	10400.5	10457.7	10775.8	11186.2	11443.9	11526.6	11178.2	10629.5	10044.2	9850.1	9858.1
47.5°	10793.3	10868.1	11218.0	11701.5	12076.9	12204.1	11862.2	11286.4	10650.2	10414.8	10435.5
50°	11149.6	11189.4	11544.1	12072.1	12549.3	12811.7	12519.0	11935.3	11262.5	11012.8	11035.1
52.5°	11348.4	11399.3	11742.9	12293.2	12857.8	13280.9	13102.8	12519.0	11854.2	11610.9	11637.9
55°	11210.0	11248.2	11660.2	12342.5	13048.7	13570.4	13597.4	13090.0	12434.7	12221.6	12298.0
57.5°	10580.2	10627.9	11130.5	12024.4	13072.6	13766.0	13969.6	13619.7	12977.1	12803.8	12848.3
60°	9595.7	9625.9	10161.9	11167.1	12608.1	13847.1	14206.6	14052.3	13508.4	13335.0	13395.4
62.5°	7841.3	7885.8	8526.8	9874.0	11626.8	13607.0	14435.6	14410.2	14003.0	13844.0	13898.0
65°	5360.1	5438.0	6147.4	7850.8	10114.2	12872.1	14644.0	14826.9	14440.4	14240.0	14311.6
67.5°	3236.7	3294.0	3807.7	5183.5	7739.5	11389.8	14429.3	15300.9	14749.0	14426.1	14484.9
68°	2893.2	2945.7	3375.1	4677.7	7159.0	10971.5	14233.6	15355.0	14782.4	14422.9	14475.4
70°	1748.0	1783.0	2070.9	2891.6	4773.2	8703.4	12899.2	15310.4	14995.5	14467.4	14497.7
72.5°	1138.8	1150.0	1197.7	1484.0	2438.3	4867.0	9681.5	14267.0	15315.2	14726.7	14721.9
75°	946.4	940.0	944.8	978.2	1202.4	2134.5	5657.5	11270.5	14599.5	14317.9	14217.7
77.5°	800.0	795.3	793.7	795.3	804.8	1030.7	2455.8	7020.6	11171.9	12665.4	12754.4
80°	647.3	641.0	661.7	652.1	623.5	641.0	1029.1	2920.2	5266.2	5665.5	5309.2
82.5°	470.8	446.9	536.0	510.6	486.7	451.7	567.8	943.2	1256.5	862.1	606.0
85°	362.6	337.2	407.2	391.3	334.0	230.6	337.2	461.3	509.0	291.1	229.0
87.5°	147.9	155.9	294.2	232.2	195.6	111.3	138.4	184.5	248.1	124.1	95.4
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)