

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: P458344

Luminaire Tested: **GLAN-SA9D-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9D-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65896 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 552
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

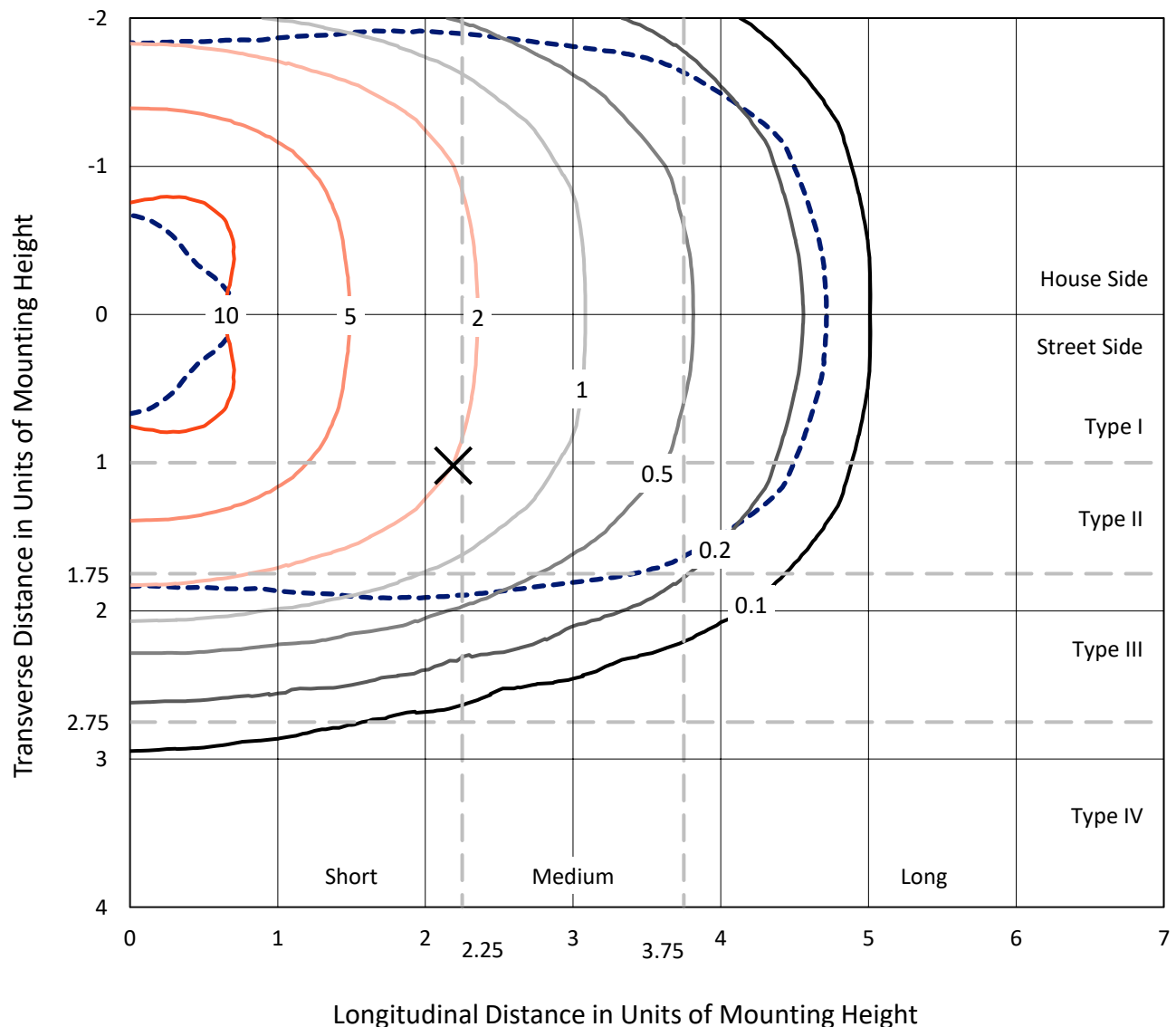


REPORT NUMBER: P458344

CATALOG NUMBER: GLAN-SA9D-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

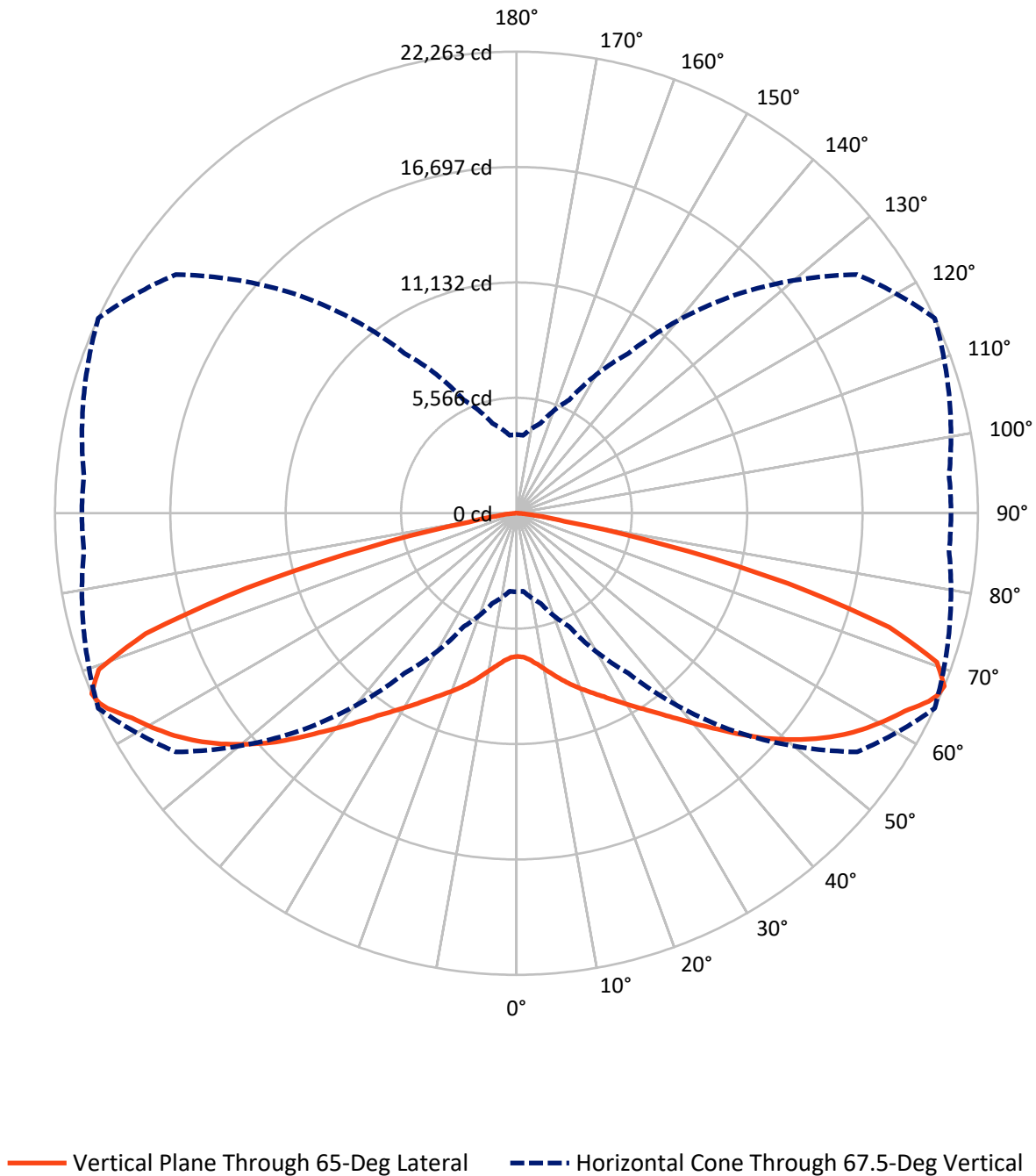


Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
Type III - Short - N/A

REPORT NUMBER: P458344

CATALOG NUMBER: GLAN-SA9D-730-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P458344

CATALOG NUMBER: GLAN-SA9D-730-U-RW

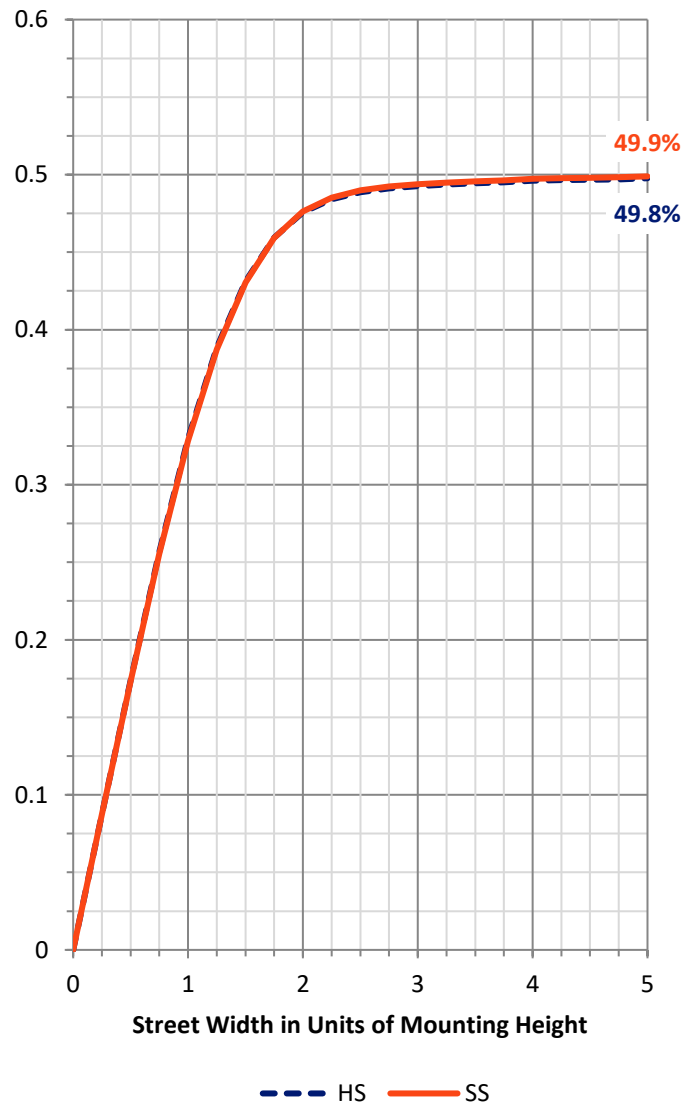
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32948.0	0.0	32948.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32948.0	0.0	32948.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	65896.0	0.0	65896.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.7	1.0
10°-20°	2278.3	3.5
20°-30°	4456.6	6.8
30°-40°	7580.0	11.5
40°-50°	11996.9	18.2
50°-60°	15907.7	24.1
60°-70°	15005.9	22.8
70°-80°	7418.1	11.3
80°-90°	571.7	0.9
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°	65896.0	100.0
0°-180°	65896.0	100.0

Coefficient of Utilization



REPORT NUMBER: P458344

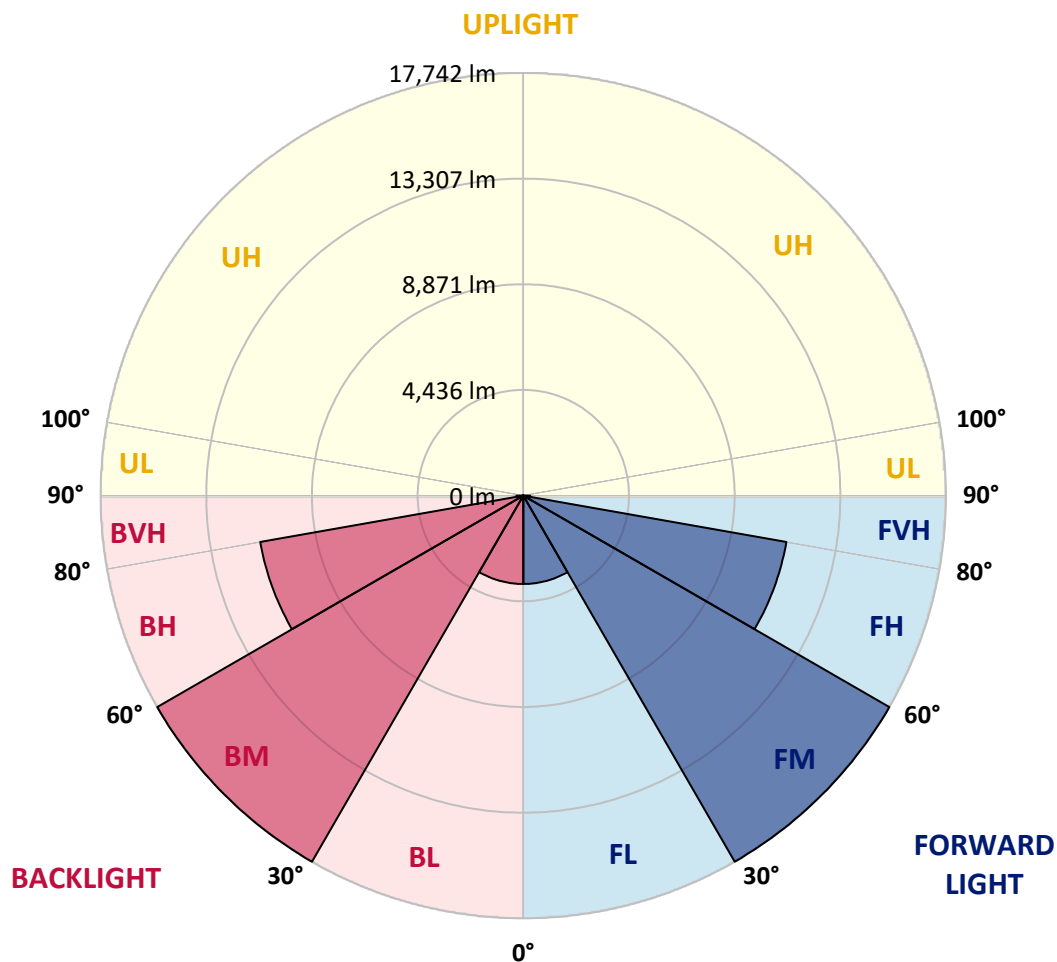
CATALOG NUMBER: GLAN-SA9D-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3707.8	5.6			
FM	(30°-60°)	17742.3	26.9			
FH	(60°-80°)	11212.0	17.0			G4/12000
FVH	(80°-90°)	285.8	0.4			G3/500
BL	(0°-30°)	3707.8	5.6	B4/5000		
BM	(30°-60°)	17742.3	26.9	B5		
BH	(60°-80°)	11212.0	17.0	B5		G5
BVH	(80°-90°)	285.8	0.4			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: P458344

CATALOG NUMBER: GLAN-SA9D-730-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6902.0	6902.0	6902.0	6902.0	6902.0	6902.0	6902.0	6902.0	6902.0	6902.0	6902.0
2.5°	6866.7	6873.8	6880.8	6891.4	6905.6	6926.7	6940.9	6951.5	6979.7	6983.2	6979.7
5°	6842.0	6849.1	6866.7	6898.5	6944.4	7007.9	7057.4	7117.4	7163.3	7195.1	7188.0
7.5°	6838.5	6852.6	6880.8	6947.9	7036.2	7145.6	7258.6	7361.0	7449.2	7519.9	7509.3
10°	6895.0	6912.6	6958.5	7057.4	7195.1	7353.9	7512.8	7664.6	7791.7	7883.5	7915.3
12.5°	6990.3	7004.4	7089.1	7237.4	7435.1	7632.8	7812.9	8000.0	8176.5	8331.9	8331.9
15°	7156.2	7180.9	7286.8	7502.2	7745.8	7975.3	8158.9	8356.6	8547.2	8723.7	8776.7
17.5°	7385.7	7421.0	7579.9	7855.2	8165.9	8377.8	8550.7	8713.1	8879.1	9048.5	9073.2
20°	7699.9	7735.2	7947.0	8278.9	8646.1	8900.3	9016.8	9055.6	9136.8	9299.2	9320.4
22.5°	8127.1	8162.4	8398.9	8773.2	9182.7	9458.1	9507.5	9415.7	9394.5	9521.6	9535.7
25°	8610.8	8642.5	8914.4	9316.9	9740.5	10040.6	10026.5	9800.5	9673.4	9751.1	9772.3
27.5°	9154.5	9200.3	9475.7	9892.3	10351.3	10616.1	10573.7	10245.4	9973.5	9959.4	9966.5
30°	9849.9	9899.4	10160.6	10559.6	11011.5	11255.1	11166.8	10725.5	10305.4	10164.2	10164.2
32.5°	10584.3	10707.8	10972.6	11389.2	11742.3	11918.8	11784.6	11255.1	10697.3	10499.6	10489.0
35°	11541.0	11608.1	11869.4	12275.4	12540.1	12677.8	12420.1	11851.7	11209.2	10976.2	10944.4
37.5°	12476.6	12533.1	12836.7	13225.1	13546.3	13539.3	13189.8	12561.3	11844.7	11583.4	11562.2
40°	13433.4	13493.4	13839.4	14195.9	14517.2	14489.0	14065.3	13362.7	12600.2	12307.1	12363.6
42.5°	14263.0	14330.1	14722.0	15230.4	15519.8	15512.8	15022.1	14231.2	13436.9	13175.6	13225.1
45°	15018.5	15078.5	15534.0	16116.5	16540.1	16593.1	16056.5	15219.8	14404.2	14068.8	14083.0
47.5°	15551.6	15664.6	16141.2	16808.5	17383.9	17571.0	17045.0	16225.9	15286.8	14937.3	14958.5
50°	15957.6	16028.2	16547.2	17306.3	18033.5	18421.9	17998.2	17158.0	16169.4	15798.8	15848.2
52.5°	16007.0	16091.8	16656.7	17532.2	18464.2	19053.8	18845.5	18068.8	17069.7	16688.4	16794.3
55°	15604.6	15654.0	16328.3	17391.0	18633.7	19523.4	19576.3	18916.1	17927.6	17638.1	17708.7
57.5°	14457.2	14584.3	15438.6	16730.8	18400.7	19774.0	20123.6	19685.8	18796.1	18510.1	18623.1
60°	12575.5	12702.5	13560.4	15198.6	17521.6	19657.5	20575.4	20367.2	19583.4	19353.9	19413.9
62.5°	9853.5	9842.9	10905.6	12914.4	15774.0	19085.6	20910.8	21023.8	20360.1	20070.6	20162.4
65°	6386.6	6418.4	7445.7	9609.9	13136.8	17631.1	20985.0	21860.5	21122.7	20684.9	20752.0
66°	5136.8	5232.1	6104.1	8098.8	11791.7	16677.8	20762.6	22107.7	21355.7	20826.1	20857.9
67.5°	3791.7	3774.0	4490.7	6030.0	9415.7	14866.7	20067.1	22263.0	21620.5	20953.2	20967.3
70°	2164.2	2160.6	2414.8	3311.6	5535.7	10467.8	16914.4	21518.1	22157.1	21412.2	21373.3
72.5°	1581.6	1571.0	1606.4	1828.8	2700.8	5285.1	11668.1	18806.7	21881.7	21338.0	21228.6
75°	1327.4	1320.4	1313.3	1341.6	1514.6	2393.6	6192.4	13528.7	18986.7	20028.2	19915.3
77.5°	1083.8	1083.8	1087.4	1080.3	1087.4	1260.4	2566.6	7251.5	11562.2	12907.3	13221.5
80°	847.3	843.8	903.8	879.1	822.6	808.5	1136.8	2333.6	3837.6	3816.4	3149.2
82.5°	624.9	582.5	688.4	670.8	607.2	515.4	663.7	995.6	1281.6	833.2	617.8
85°	395.4	391.9	487.2	444.8	370.7	243.6	317.7	427.2	529.6	321.3	261.3
87.5°	70.6	67.1	155.3	113.0	113.0	70.6	88.3	116.5	173.0	120.0	88.3
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)