

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: P458112

Luminaire Tested: **GLAN-SA9C-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458112
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-SA9C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59886 lumens
Efficiency: N/A
Efficacy: 124.5 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): 481
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

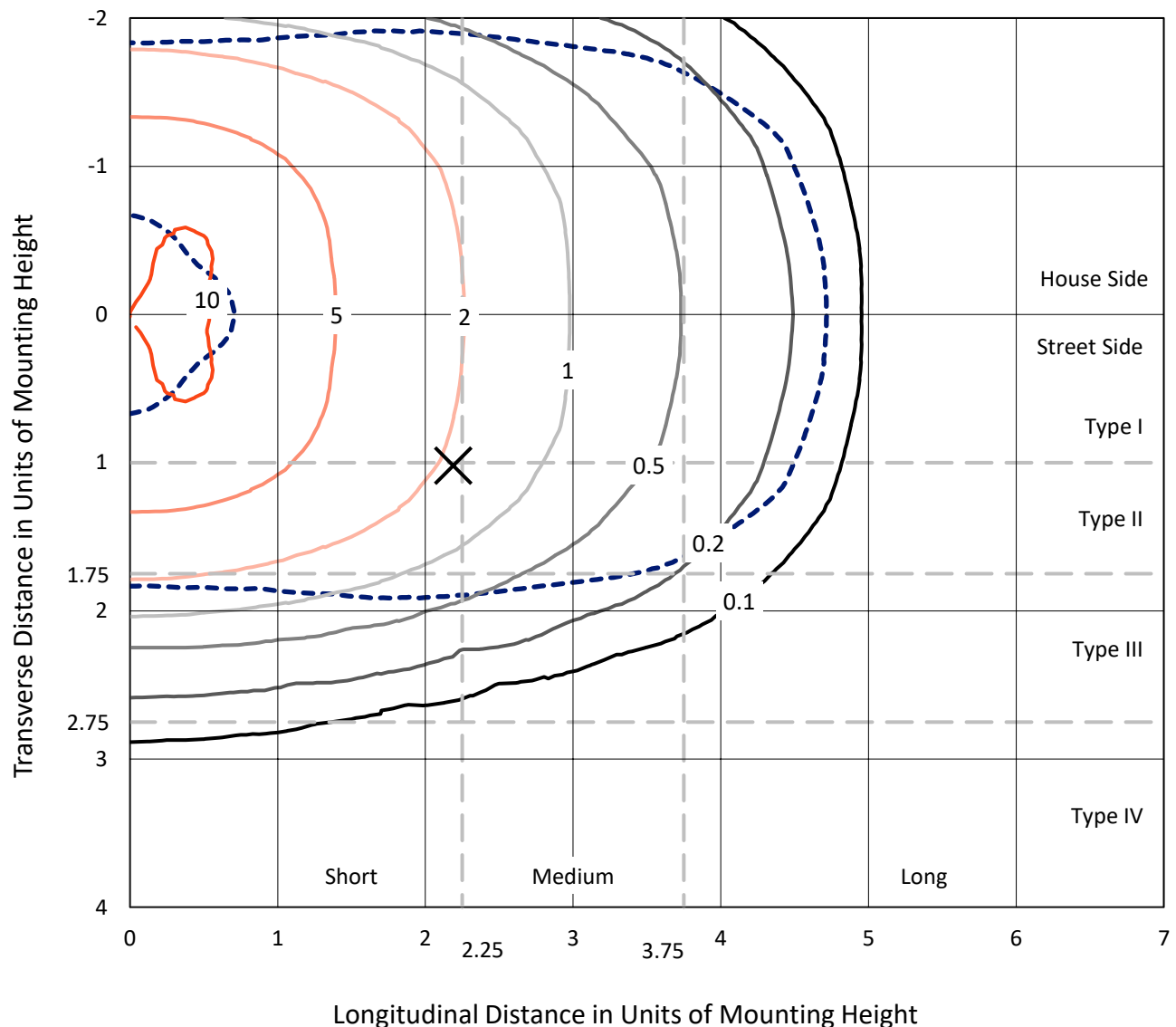


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

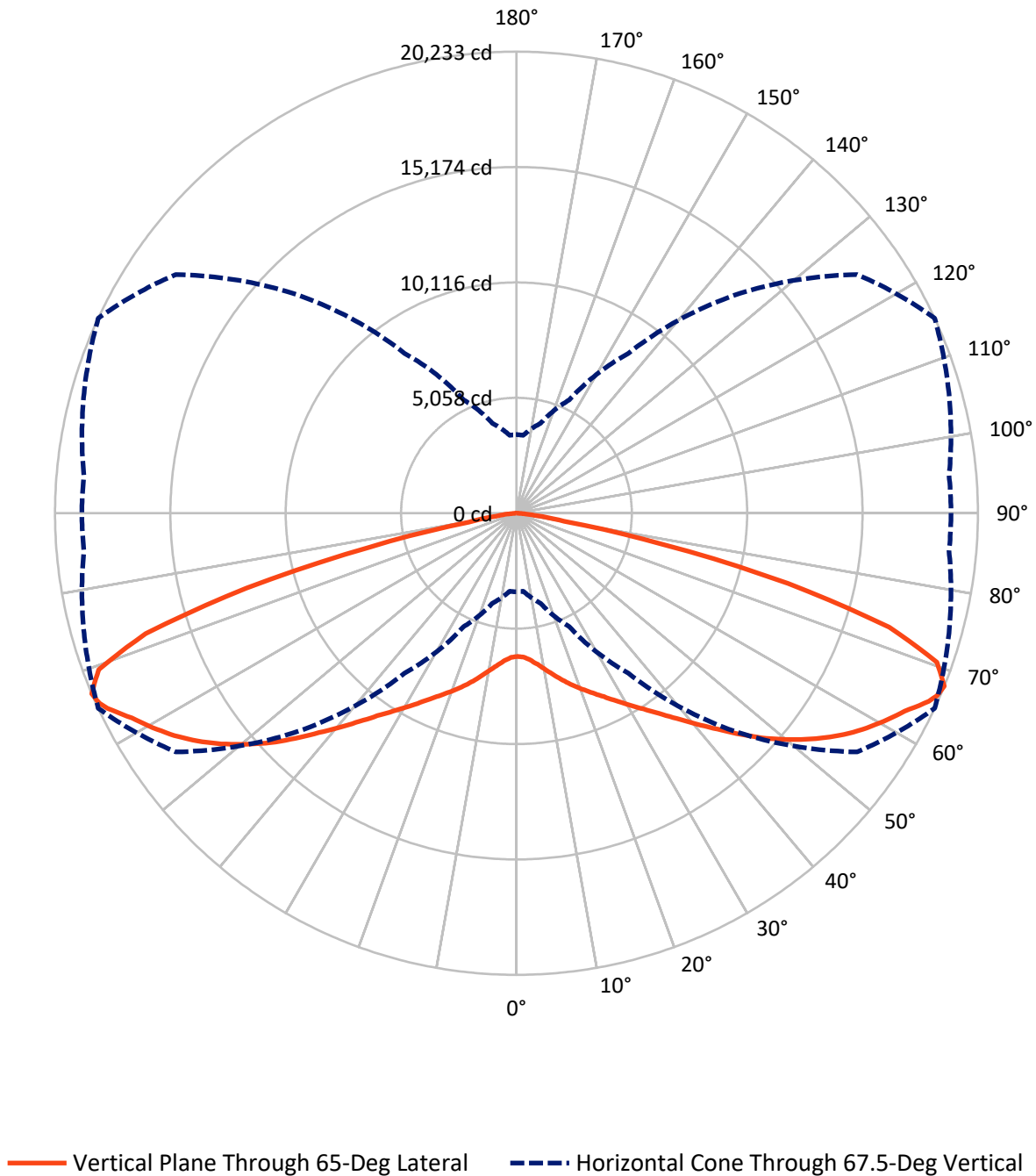


Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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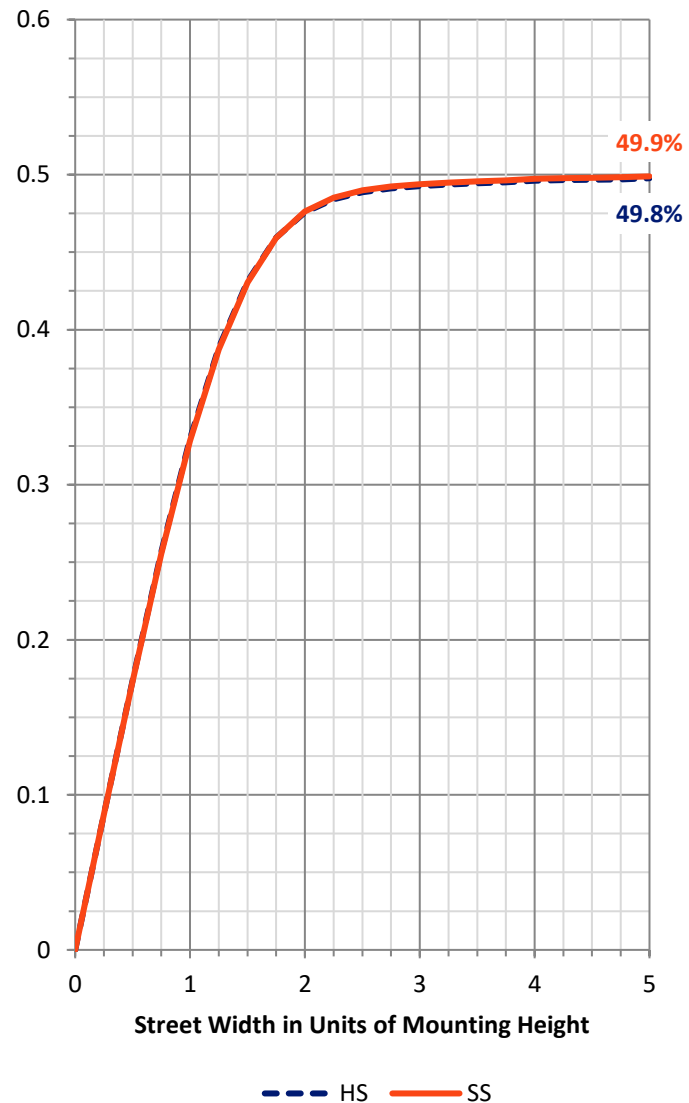
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29943.0	0.0	29943.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29943.0	0.0	29943.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	59886.0	0.0	59886.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.6	1.0
10°-20°	2070.5	3.5
20°-30°	4050.1	6.8
30°-40°	6888.7	11.5
40°-50°	10902.8	18.2
50°-60°	14456.8	24.1
60°-70°	13637.3	22.8
70°-80°	6741.6	11.3
80°-90°	519.6	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°	59886.0	100.0
0°-180°	59886.0	100.0

Coefficient of Utilization



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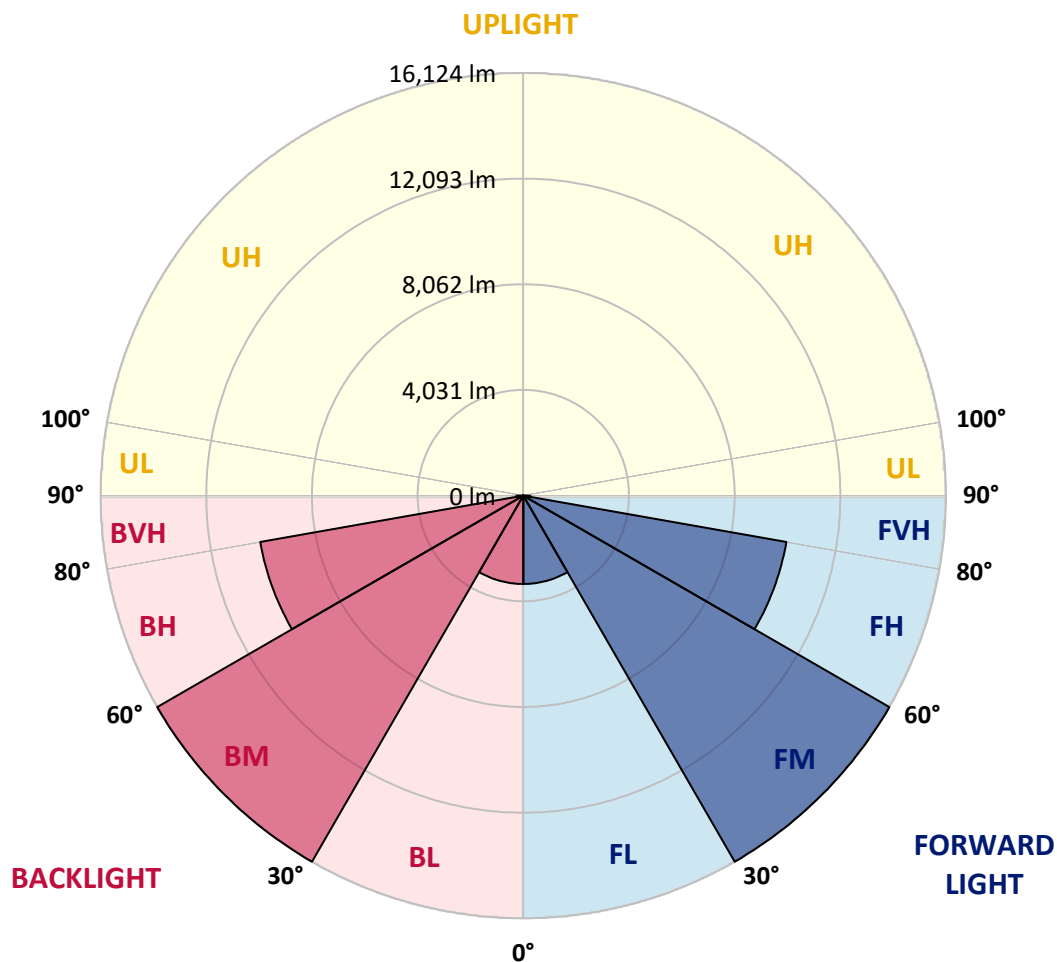
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3369.6	5.6			
FM	(30°-60°)	16124.2	26.9			
FH	(60°-80°)	10189.4	17.0			G4/12000
FVH	(80°-90°)	259.8	0.4			G3/500
BL	(0°-30°)	3369.6	5.6	B4/5000		
BM	(30°-60°)	16124.2	26.9	B5		
BH	(60°-80°)	10189.4	17.0	B5		G5
BVH	(80°-90°)	259.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6272.5	6272.5	6272.5	6272.5	6272.5	6272.5	6272.5	6272.5	6272.5	6272.5	6272.5
2.5°	6240.4	6246.9	6253.3	6262.9	6275.7	6295.0	6307.8	6317.4	6343.1	6346.3	6343.1
5°	6218.0	6224.4	6240.4	6269.3	6311.0	6368.8	6413.7	6468.2	6510.0	6538.8	6532.4
7.5°	6214.8	6227.6	6253.3	6314.2	6394.5	6493.9	6596.6	6689.6	6769.8	6834.0	6824.4
10°	6266.1	6282.2	6323.9	6413.7	6538.8	6683.2	6827.6	6965.6	7081.1	7164.5	7193.4
12.5°	6352.7	6365.6	6442.6	6577.3	6757.0	6936.7	7100.3	7270.4	7430.8	7572.0	7572.0
15°	6503.5	6526.0	6622.3	6818.0	7039.4	7247.9	7414.7	7594.4	7767.7	7928.1	7976.2
17.5°	6712.1	6744.2	6888.6	7138.8	7421.2	7613.7	7770.9	7918.5	8069.3	8223.3	8245.7
20°	6997.6	7029.7	7222.2	7523.8	7857.5	8088.5	8194.4	8229.7	8303.5	8451.1	8470.3
22.5°	7385.9	7417.9	7632.9	7973.0	8345.2	8595.5	8640.4	8557.0	8537.7	8653.2	8666.0
25°	7825.4	7854.3	8101.3	8467.1	8852.1	9124.8	9112.0	8906.7	8791.2	8861.8	8881.0
27.5°	8319.5	8361.2	8611.5	8990.1	9407.2	9647.8	9609.3	9310.9	9063.9	9051.1	9057.5
30°	8951.6	8996.5	9233.9	9596.5	10007.2	10228.6	10148.3	9747.3	9365.5	9237.1	9237.1
32.5°	9618.9	9731.2	9971.9	10350.5	10671.3	10831.7	10709.8	10228.6	9721.6	9541.9	9532.3
35°	10488.4	10549.4	10786.8	11155.8	11396.4	11521.6	11287.3	10770.8	10186.8	9975.1	9946.2
37.5°	11338.7	11390.0	11665.9	12018.9	12310.8	12304.4	11986.8	11415.7	10764.4	10526.9	10507.7
40°	12208.2	12262.7	12577.1	12901.2	13193.2	13167.5	12782.5	12144.0	11451.0	11184.7	11236.0
42.5°	12962.2	13023.1	13379.3	13841.3	14104.4	14098.0	13652.0	12933.3	12211.4	11974.0	12018.9
45°	13648.8	13703.3	14117.2	14646.6	15031.6	15079.7	14592.1	13831.7	13090.5	12785.7	12798.5
47.5°	14133.2	14235.9	14669.1	15275.5	15798.4	15968.5	15490.4	14746.1	13892.6	13575.0	13594.2
50°	14502.2	14566.4	15038.0	15727.8	16388.8	16741.7	16356.7	15593.1	14694.7	14357.8	14402.8
52.5°	14547.1	14624.1	15137.5	15933.2	16780.2	17316.0	17126.7	16420.9	15512.9	15166.4	15262.6
55°	14181.4	14226.3	14839.1	15804.9	16934.2	17742.8	17790.9	17190.9	16292.5	16029.4	16093.6
57.5°	13138.6	13254.1	14030.6	15204.9	16722.5	17970.6	18288.2	17890.3	17081.8	16821.9	16924.6
60°	11428.5	11544.0	12323.7	13812.4	15923.6	17864.7	18698.9	18509.6	17797.3	17588.8	17643.3
62.5°	8954.8	8945.2	9910.9	11736.5	14335.4	17344.9	19003.7	19106.4	18503.2	18240.1	18323.5
65°	5804.1	5833.0	6766.6	8733.4	11938.7	16023.0	19071.1	19866.8	19196.2	18798.3	18859.3
66°	4668.3	4754.9	5547.4	7360.2	10716.2	15156.7	18868.9	20091.3	19407.9	18926.7	18955.6
67.5°	3445.9	3429.8	4081.2	5480.0	8557.0	13510.8	18236.9	20232.5	19648.6	19042.2	19055.0
70°	1966.8	1963.6	2194.6	3009.5	5030.9	9513.1	15371.7	19555.5	20136.3	19459.3	19424.0
72.5°	1437.4	1427.8	1459.8	1662.0	2454.5	4803.1	10603.9	17091.4	19886.0	19391.9	19292.4
75°	1206.4	1200.0	1193.5	1219.2	1376.4	2175.3	5627.6	12294.8	17255.1	18201.6	18098.9
77.5°	985.0	985.0	988.2	981.8	988.2	1145.4	2332.5	6590.2	10507.7	11730.1	12015.7
80°	770.0	766.8	821.4	798.9	747.6	734.7	1033.1	2120.8	3487.6	3468.3	2861.9
82.5°	567.9	529.4	625.6	609.6	551.9	468.4	603.2	904.8	1164.7	757.2	561.5
85°	359.3	356.1	442.8	404.3	336.9	221.4	288.8	388.2	481.3	292.0	237.4
87.5°	64.2	61.0	141.2	102.7	102.7	64.2	80.2	105.9	157.2	109.1	80.2
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)