

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: P316614

Luminaire Tested: **GAN-SA0C-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54064 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 558
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

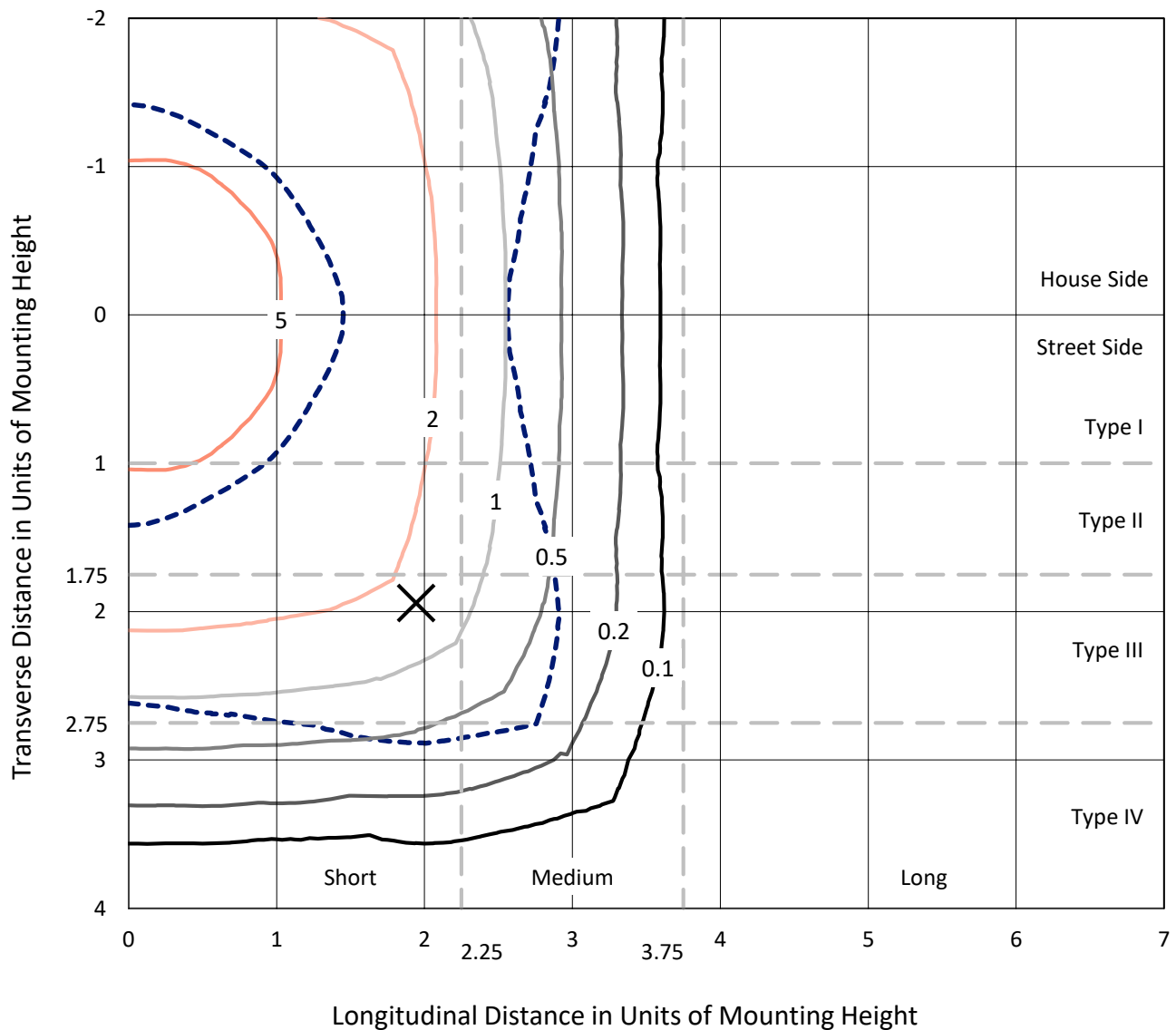


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Iso-Footcandle Lines of Horizontal Illumination

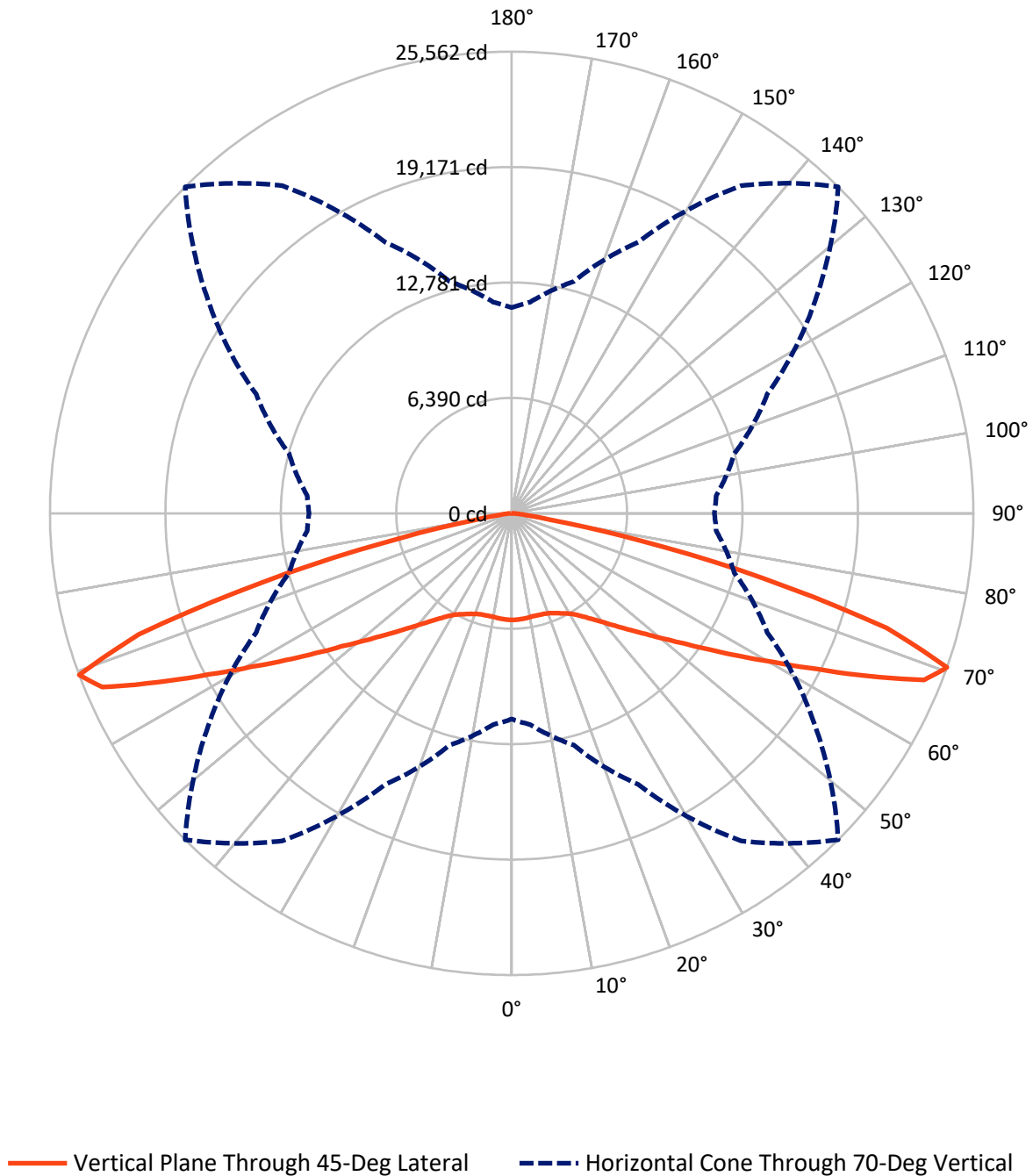
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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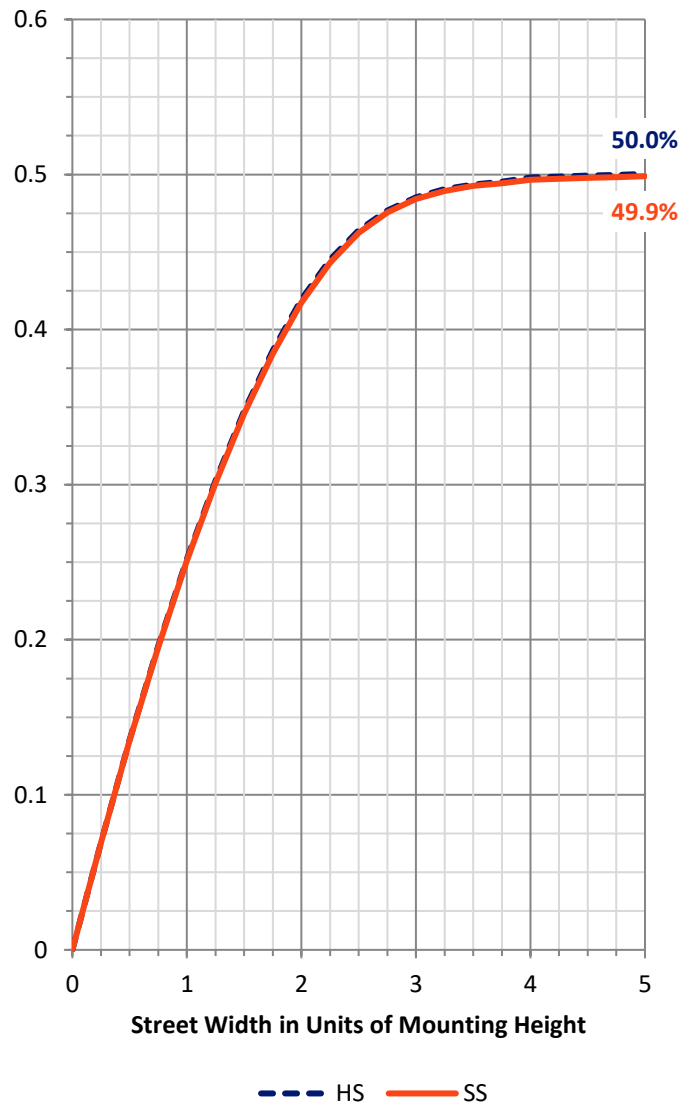
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27032.0	0.0	27032.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27032.0	0.0	27032.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	54064.0	0.0	54064.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.2	1.0
10°-20°	1641.8	3.0
20°-30°	2794.8	5.2
30°-40°	4432.5	8.2
40°-50°	7213.1	13.3
50°-60°	11893.1	22.0
60°-70°	17459.4	32.3
70°-80°	7720.5	14.3
80°-90°	349.6	0.6
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°	54064.0	100.0
0°-180°	54064.0	100.0

Coefficient of Utilization



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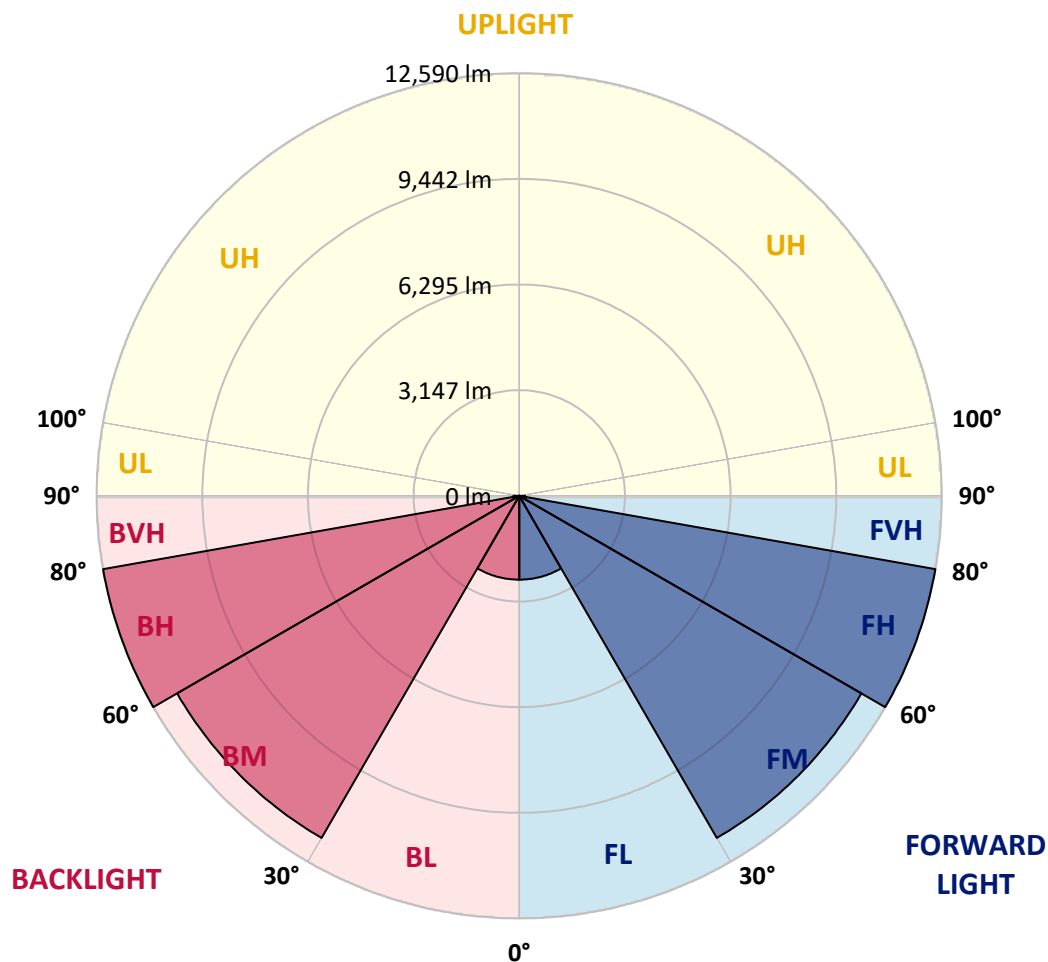
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2497.9	4.6			
FM	(30°-60°)	11769.4	21.8			
FH	(60°-80°)	12589.9	23.3			G5
FVH	(80°-90°)	174.8	0.3			G2/225
BL	(0°-30°)	2497.9	4.6	B3/2500		
BM	(30°-60°)	11769.4	21.8	B5		
BH	(60°-80°)	12589.9	23.3	B5		G5
BVH	(80°-90°)	174.8	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5904.6	5904.6	5904.6	5904.6	5904.6	5904.6	5904.6	5904.6	5904.6	5904.6	5904.6
2.5°	5895.7	5890.3	5902.8	5901.1	5890.3	5892.1	5892.1	5897.5	5897.5	5893.9	5893.9
5°	5874.2	5870.6	5884.9	5884.9	5874.2	5877.8	5881.4	5886.7	5884.9	5881.4	5879.6
7.5°	5847.4	5845.6	5859.9	5859.9	5852.7	5856.3	5852.7	5854.5	5851.0	5847.4	5842.0
10°	5802.6	5806.2	5818.7	5822.3	5822.3	5824.1	5820.5	5811.6	5806.2	5800.9	5795.5
12.5°	5761.5	5759.7	5777.6	5786.5	5800.9	5817.0	5806.2	5781.2	5770.4	5759.7	5756.1
15°	5734.6	5736.4	5754.3	5770.4	5795.5	5829.5	5817.0	5777.6	5756.1	5743.6	5740.0
17.5°	5729.3	5732.9	5756.1	5784.7	5811.6	5849.2	5842.0	5802.6	5766.9	5743.6	5738.2
20°	5741.8	5743.6	5779.4	5820.5	5867.1	5902.8	5886.7	5843.8	5795.5	5759.7	5750.8
22.5°	5765.1	5772.2	5817.0	5881.4	5952.9	6001.3	5981.6	5908.2	5833.1	5788.3	5775.8
25°	5838.4	5840.2	5901.1	5988.7	6074.6	6130.1	6106.8	6003.0	5906.4	5856.3	5840.2
27.5°	5990.5	5995.9	6056.7	6158.7	6232.1	6267.9	6253.5	6169.4	6087.1	6033.5	6038.8
30°	6210.6	6217.8	6285.7	6398.5	6443.2	6452.2	6448.6	6409.2	6334.1	6262.5	6267.9
32.5°	6479.0	6482.6	6573.8	6675.8	6711.6	6718.8	6711.6	6675.8	6586.3	6489.7	6495.1
35°	6824.3	6835.1	6922.7	7021.1	7049.8	7064.1	7051.6	7005.0	6912.0	6817.2	6813.6
37.5°	7250.2	7252.0	7343.2	7445.2	7481.0	7484.6	7470.3	7439.8	7323.5	7237.6	7232.3
40°	7744.0	7751.2	7858.5	7967.7	7982.0	7965.9	7985.6	7967.7	7847.8	7749.4	7765.5
42.5°	8345.2	8361.3	8490.1	8597.5	8556.3	8547.4	8559.9	8565.3	8468.7	8348.8	8338.1
45°	9044.8	9059.1	9220.2	9306.1	9279.2	9220.2	9245.2	9288.2	9154.0	9005.5	9019.8
47.5°	9842.8	9878.6	10050.4	10130.9	10064.7	9984.2	10032.5	10096.9	9939.5	9755.2	9746.2
50°	10730.3	10775.1	11004.1	11116.8	11050.6	10902.1	10982.6	11025.6	10798.3	10560.3	10540.7
52.5°	11676.9	11721.6	12009.7	12242.3	12199.3	11968.5	12081.2	12036.5	11775.3	11455.0	11429.9
55°	12748.6	12766.5	13077.9	13453.6	13496.6	13326.6	13319.4	13246.1	12859.6	12489.2	12471.3
57.5°	13850.8	13863.4	14265.9	14709.7	14911.9	14911.9	14711.5	14555.8	14042.3	13612.9	13568.1
60°	15040.7	15085.4	15531.0	16134.0	16606.3	16745.9	16391.6	15967.6	15409.3	14885.0	14833.1
62.5°	16100.0	16151.8	16833.6	17731.8	18490.4	18998.6	18132.6	17441.9	16425.6	15584.6	15486.2
65°	16234.2	16373.7	17366.8	18993.2	20691.3	21705.8	20045.3	18343.7	16491.8	15323.4	15223.2
67.5°	14826.0	15062.2	16404.1	18936.0	22444.8	24622.3	21267.4	17828.4	15303.7	14011.9	13900.9
70°	11392.4	11735.9	13283.6	16563.4	22142.4	25561.7	20501.6	15607.9	12759.4	11369.1	11213.4
72.5°	6250.0	6391.3	7783.4	11342.3	17751.5	21721.9	17100.2	11540.9	8461.5	6885.2	6623.9
75°	1982.5	2032.6	2741.2	4641.4	10041.4	14387.6	10862.7	5664.9	3118.7	2299.2	2272.4
77.5°	880.3	885.7	991.3	1354.5	3458.7	7289.5	4154.7	1542.4	1062.8	928.6	959.1
80°	556.5	556.5	613.7	671.0	941.2	2116.7	1123.7	733.6	626.2	581.5	594.0
82.5°	266.6	295.2	399.0	429.4	517.1	712.1	576.1	479.5	418.7	311.3	289.9
85°	175.3	146.7	252.3	284.5	300.6	341.8	334.6	316.7	273.8	155.7	173.6
87.5°	78.7	75.1	130.6	119.9	112.7	85.9	128.8	159.2	153.9	76.9	76.9
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)