

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: P316580

Luminaire Tested: **GAN-SA6D-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316580
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-SA6D-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48750 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

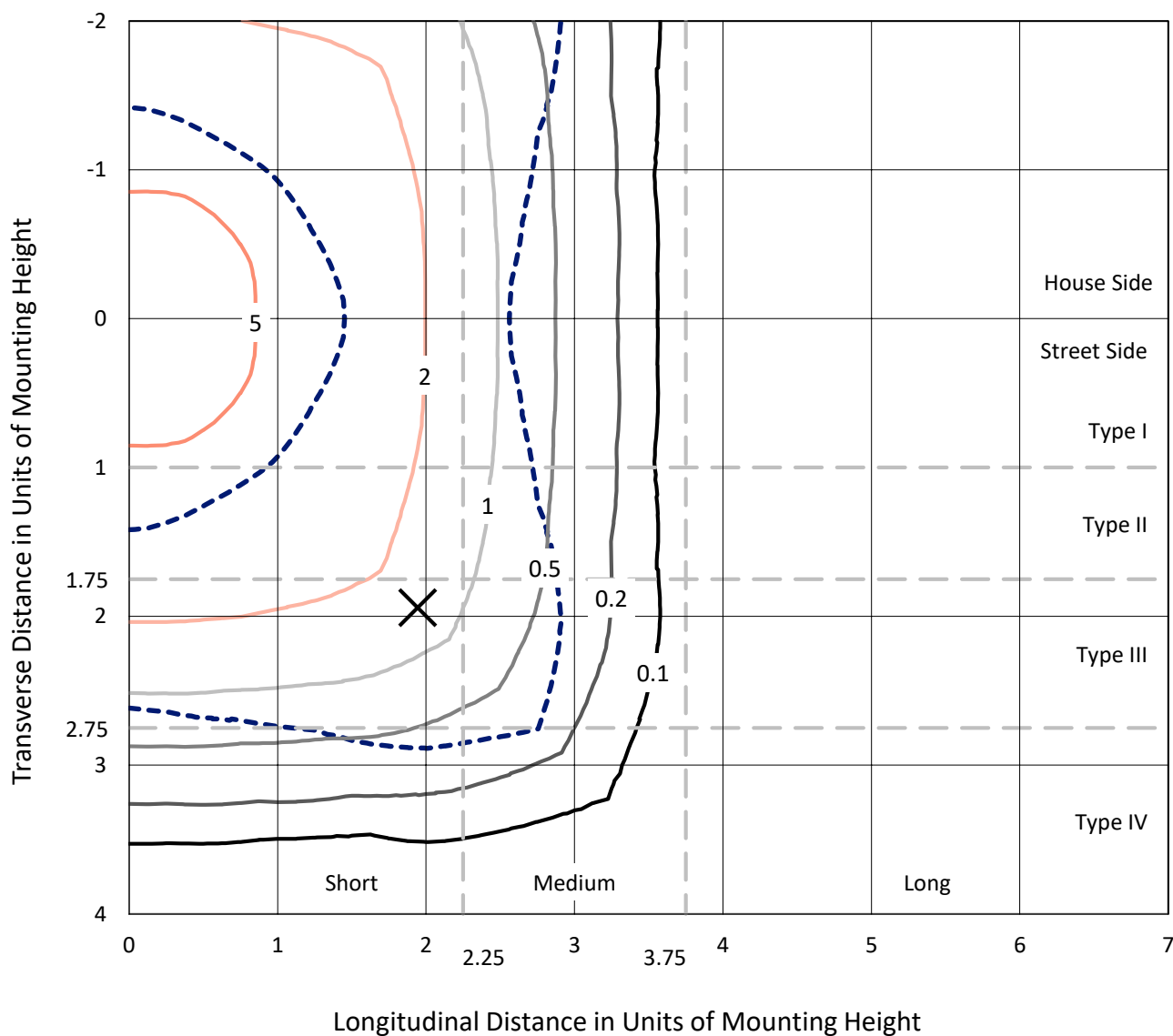
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

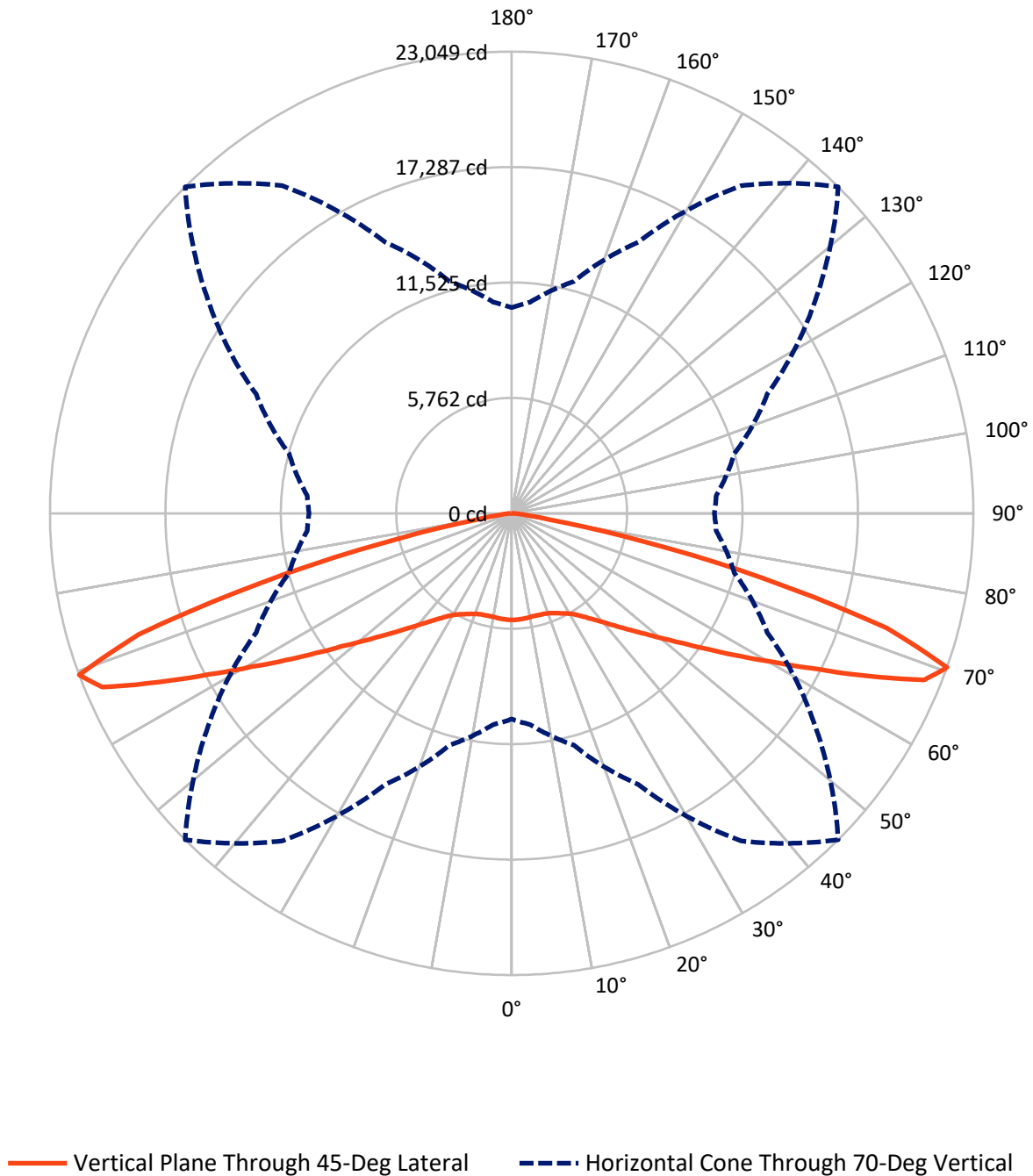
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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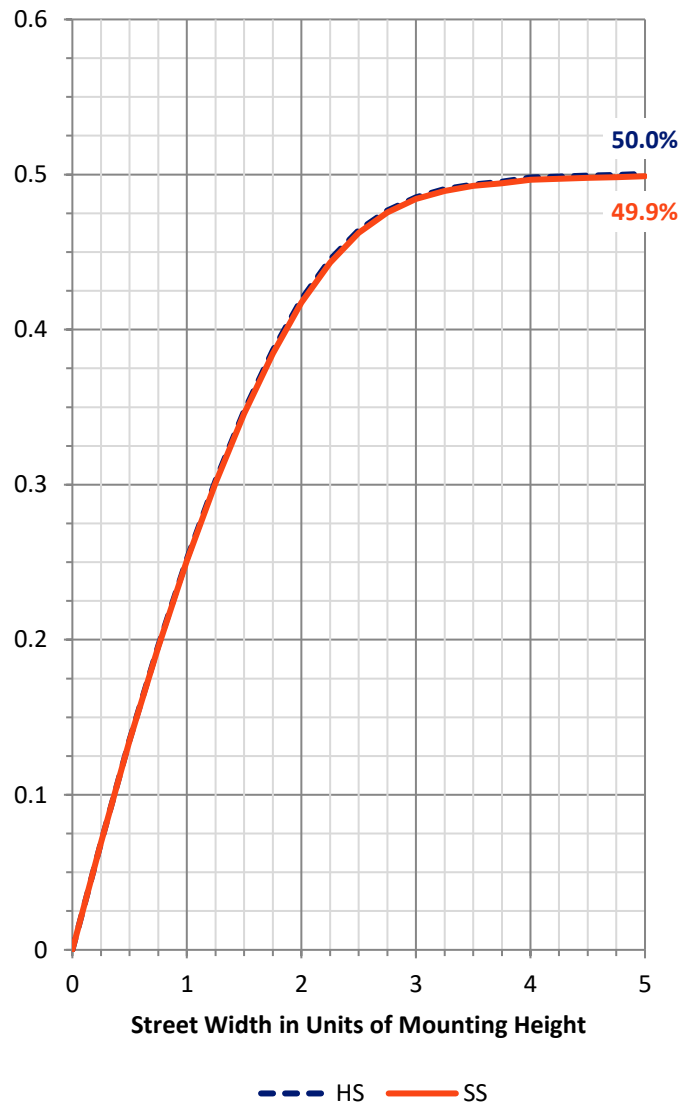
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24375.0	0.0	24375.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24375.0	0.0	24375.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48750.0	0.0	48750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.3	1.0
10°-20°	1480.4	3.0
20°-30°	2520.1	5.2
30°-40°	3996.9	8.2
40°-50°	6504.1	13.3
50°-60°	10724.1	22.0
60°-70°	15743.3	32.3
70°-80°	6961.6	14.3
80°-90°	315.3	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°	48750.0	100.0
0°-180°	48750.0	100.0

Coefficient of Utilization



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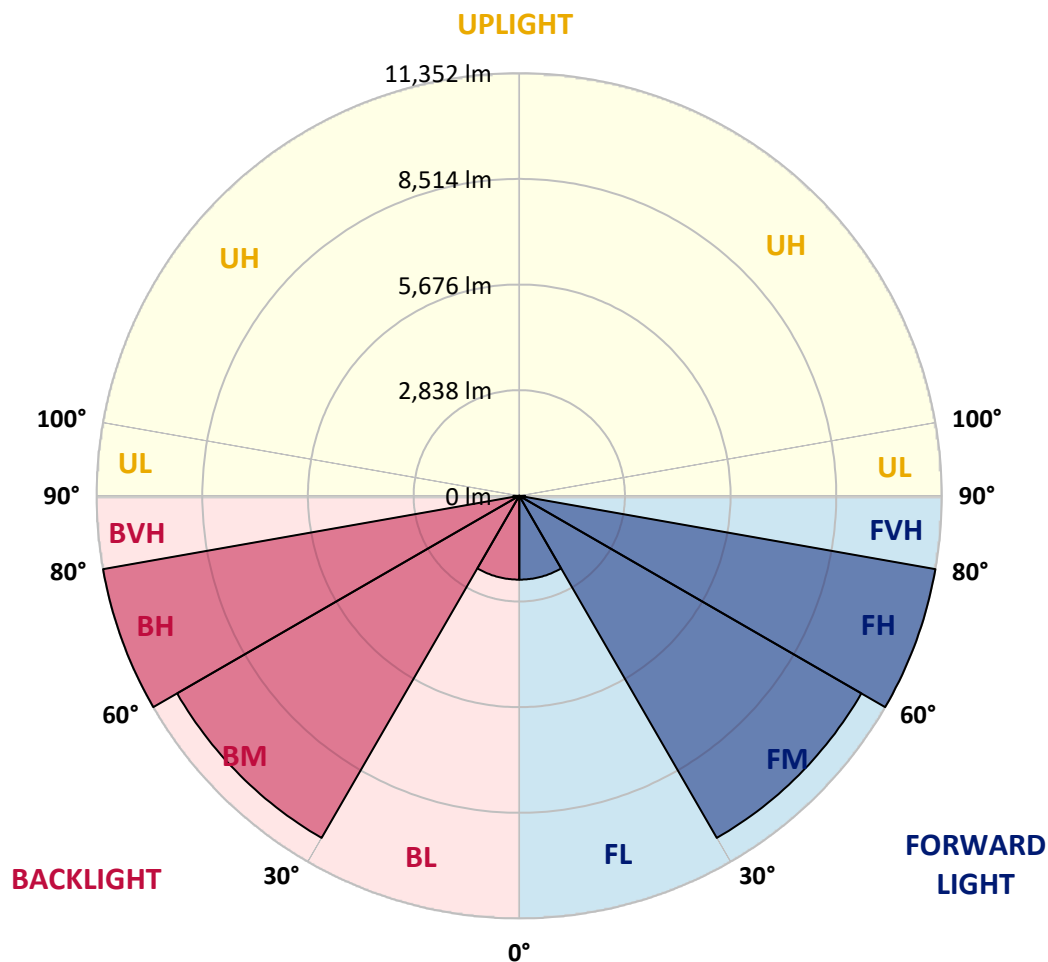
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2252.4	4.6			
FM	(30°-60°)	10612.5	21.8			
FH	(60°-80°)	11352.5	23.3			G4/12000
FVH	(80°-90°)	157.6	0.3			G2/225
BL	(0°-30°)	2252.4	4.6	B3/2500		
BM	(30°-60°)	10612.5	21.8	B5		
BH	(60°-80°)	11352.5	23.3	B5		G4/12000
BVH	(80°-90°)	157.6	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5324.3	5324.3	5324.3	5324.3	5324.3	5324.3	5324.3	5324.3	5324.3	5324.3	5324.3
2.5°	5316.2	5311.4	5322.6	5321.0	5311.4	5313.0	5313.0	5317.8	5317.8	5314.6	5314.6
5°	5296.8	5293.6	5306.5	5306.5	5296.8	5300.1	5303.3	5308.1	5306.5	5303.3	5301.7
7.5°	5272.6	5271.0	5283.9	5283.9	5277.5	5280.7	5277.5	5279.1	5275.9	5272.6	5267.8
10°	5232.3	5235.5	5246.8	5250.0	5250.0	5251.7	5248.4	5240.4	5235.5	5230.7	5225.8
12.5°	5195.2	5193.6	5209.7	5217.8	5230.7	5245.2	5235.5	5212.9	5203.3	5193.6	5190.3
15°	5171.0	5172.6	5188.7	5203.3	5225.8	5256.5	5245.2	5209.7	5190.3	5179.1	5175.8
17.5°	5166.1	5169.4	5190.3	5216.2	5240.4	5274.2	5267.8	5232.3	5200.0	5179.1	5174.2
20°	5177.4	5179.1	5211.3	5248.4	5290.4	5322.6	5308.1	5269.4	5225.8	5193.6	5185.5
22.5°	5198.4	5204.9	5245.2	5303.3	5367.8	5411.4	5393.6	5327.5	5259.7	5219.4	5208.1
25°	5264.6	5266.2	5321.0	5400.1	5477.5	5527.5	5506.6	5413.0	5325.9	5280.7	5266.2
27.5°	5401.7	5406.5	5461.4	5553.4	5619.5	5651.8	5638.9	5563.0	5488.8	5440.4	5445.3
30°	5600.2	5606.6	5667.9	5769.6	5809.9	5818.0	5814.7	5779.2	5711.5	5646.9	5651.8
32.5°	5842.2	5845.4	5927.7	6019.6	6051.9	6058.4	6051.9	6019.6	5939.0	5851.8	5856.7
35°	6153.6	6163.2	6242.3	6331.0	6356.8	6369.7	6358.5	6316.5	6232.6	6147.1	6143.9
37.5°	6537.5	6539.2	6621.4	6713.4	6745.7	6748.9	6736.0	6708.6	6603.7	6526.3	6521.4
40°	6982.8	6989.3	7086.1	7184.5	7197.4	7182.9	7200.7	7184.5	7076.4	6987.7	7002.2
42.5°	7525.0	7539.5	7655.6	7752.4	7715.3	7707.3	7718.6	7723.4	7636.3	7528.2	7518.5
45°	8155.8	8168.7	8313.9	8391.4	8367.2	8313.9	8336.5	8375.2	8254.2	8120.3	8133.2
47.5°	8875.4	8907.6	9062.5	9135.1	9075.4	9002.8	9046.4	9104.5	8962.5	8796.3	8788.3
50°	9675.6	9716.0	9922.5	10024.1	9964.4	9830.5	9903.1	9941.8	9736.9	9522.4	9504.6
52.5°	10529.1	10569.5	10829.2	11039.0	11000.2	10792.1	10893.8	10853.4	10617.9	10329.1	10306.5
55°	11495.6	11511.7	11792.4	12131.2	12170.0	12016.7	12010.2	11944.1	11595.6	11261.6	11245.5
57.5°	12489.4	12500.7	12863.7	13263.9	13446.2	13446.2	13265.5	13125.1	12662.1	12274.8	12234.5
60°	13562.3	13602.7	14004.4	14548.1	14974.1	15099.9	14780.5	14398.1	13894.7	13422.0	13375.2
62.5°	14517.5	14564.3	15179.0	15988.9	16673.0	17131.2	16350.3	15727.5	14811.1	14052.8	13964.1
65°	14638.5	14764.3	15659.8	17126.4	18657.5	19572.3	18075.1	16540.7	14870.8	13817.3	13726.9
67.5°	13368.7	13581.7	14791.8	17074.7	20238.6	22202.2	19177.0	16076.0	13799.5	12634.6	12534.6
70°	10272.6	10582.4	11978.0	14935.4	19966.0	23049.2	18486.5	14073.8	11505.2	10251.6	10111.3
72.5°	5635.6	5763.1	7018.3	10227.4	16006.7	19586.8	15419.4	10406.5	7629.8	6208.4	5972.9
75°	1787.7	1832.8	2471.7	4185.2	9054.5	12973.4	9795.0	5108.1	2812.2	2073.2	2049.0
77.5°	793.8	798.6	893.8	1221.4	3118.7	6573.0	3746.3	1390.8	958.4	837.4	864.8
80°	501.8	501.8	553.4	605.0	848.7	1908.7	1013.2	661.5	564.7	524.4	535.7
82.5°	240.4	266.2	359.8	387.2	466.3	642.1	519.5	432.4	377.5	280.7	261.4
85°	158.1	132.3	227.5	256.5	271.1	308.2	301.7	285.6	246.9	140.4	156.5
87.5°	71.0	67.8	117.8	108.1	101.6	77.4	116.2	143.6	138.8	69.4	69.4
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)