

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: P316560

Luminaire Tested: **GAN-SA6B-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316560
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-SA6B-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35905 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

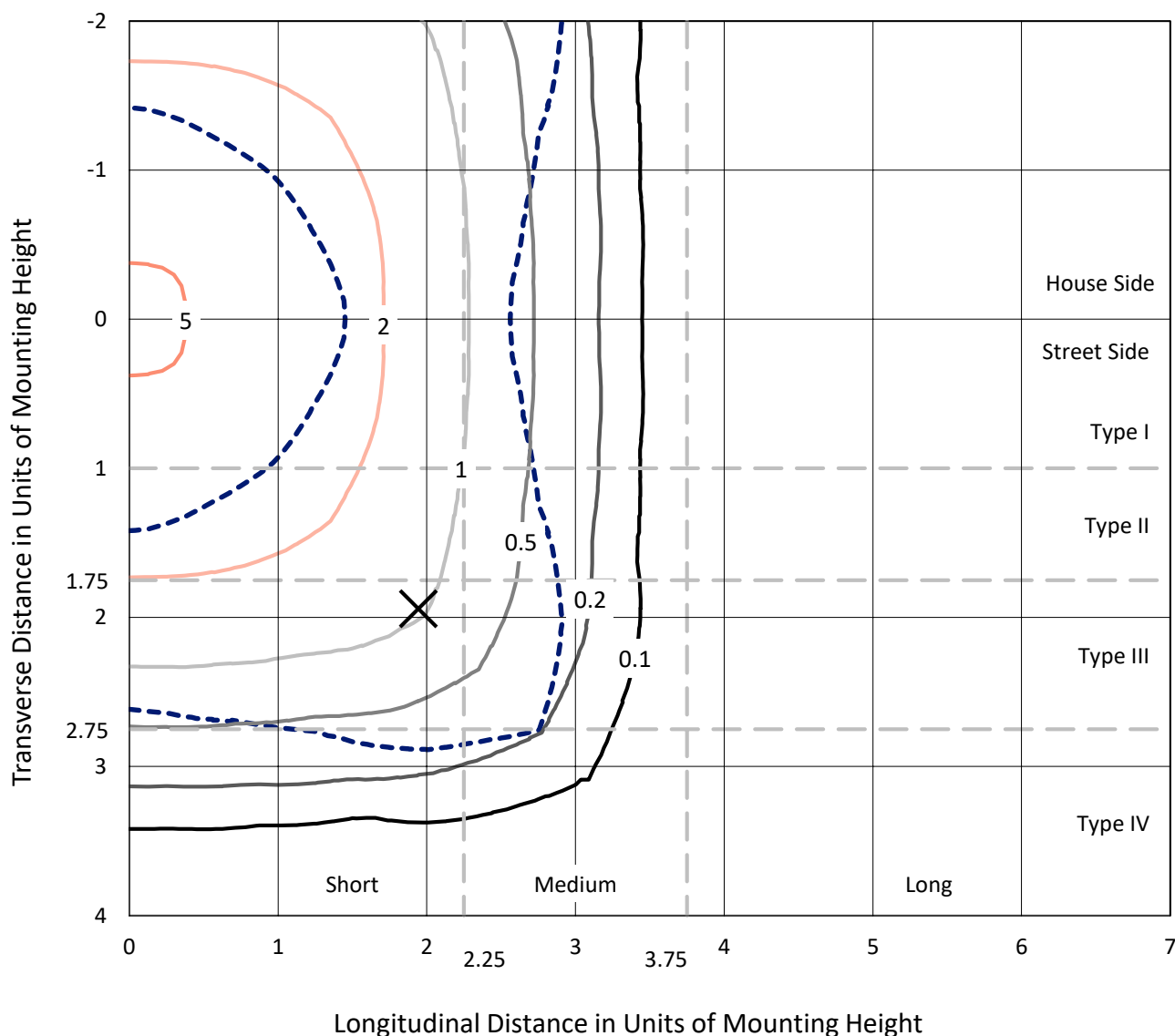
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

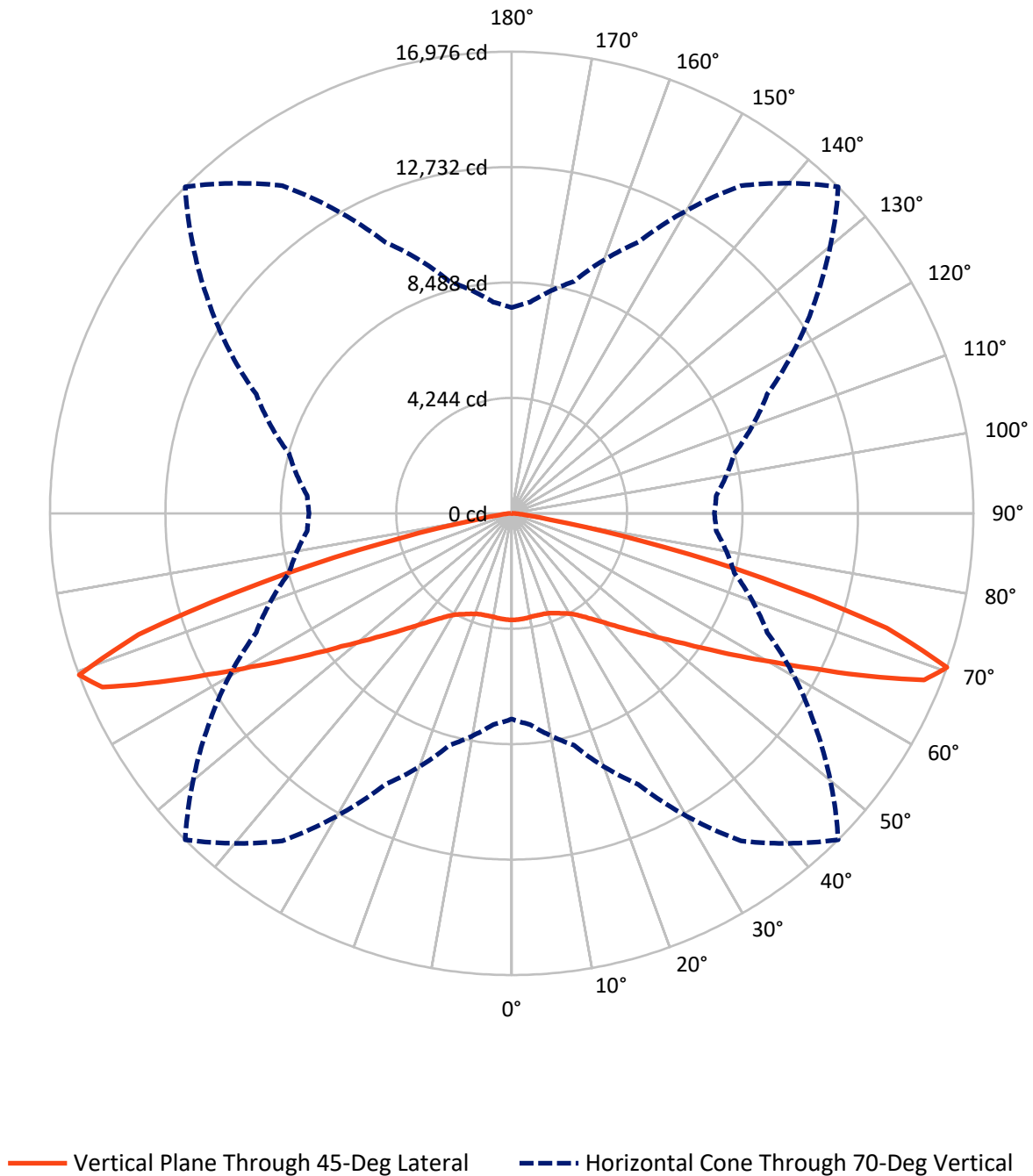
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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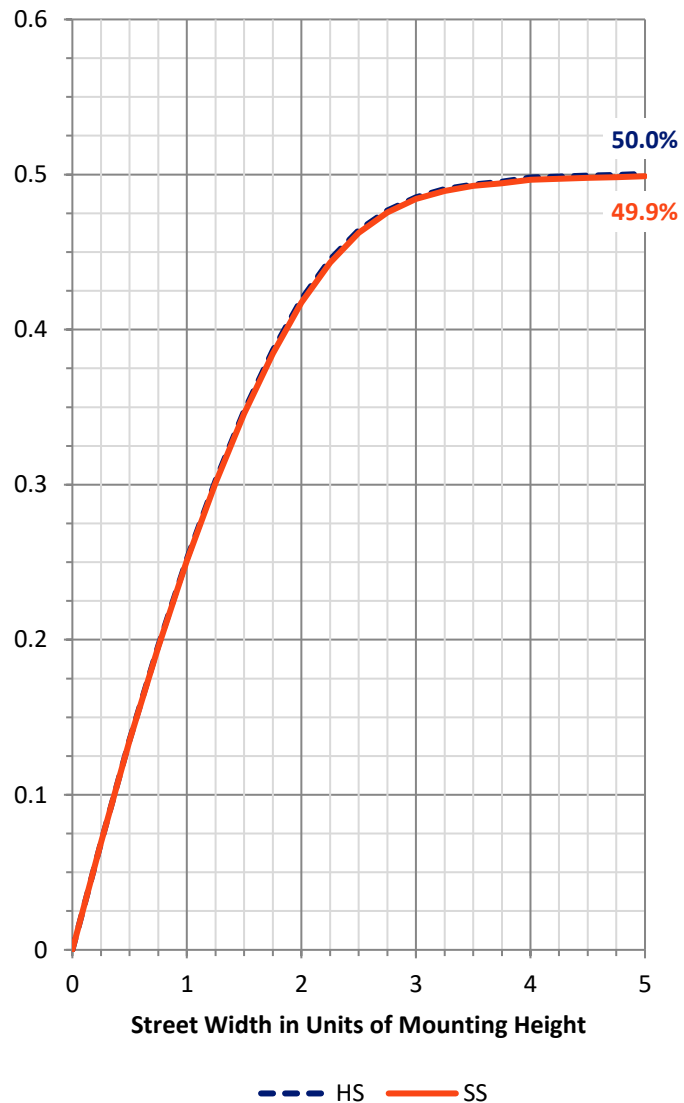
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17952.5	0.0	17952.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17952.5	0.0	17952.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35905.0	0.0	35905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.4	1.0
10°-20°	1090.3	3.0
20°-30°	1856.1	5.2
30°-40°	2943.7	8.2
40°-50°	4790.4	13.3
50°-60°	7898.4	22.0
60°-70°	11595.1	32.3
70°-80°	5127.3	14.3
80°-90°	232.2	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°	35905.0	100.0
0°-180°	35905.0	100.0

Coefficient of Utilization



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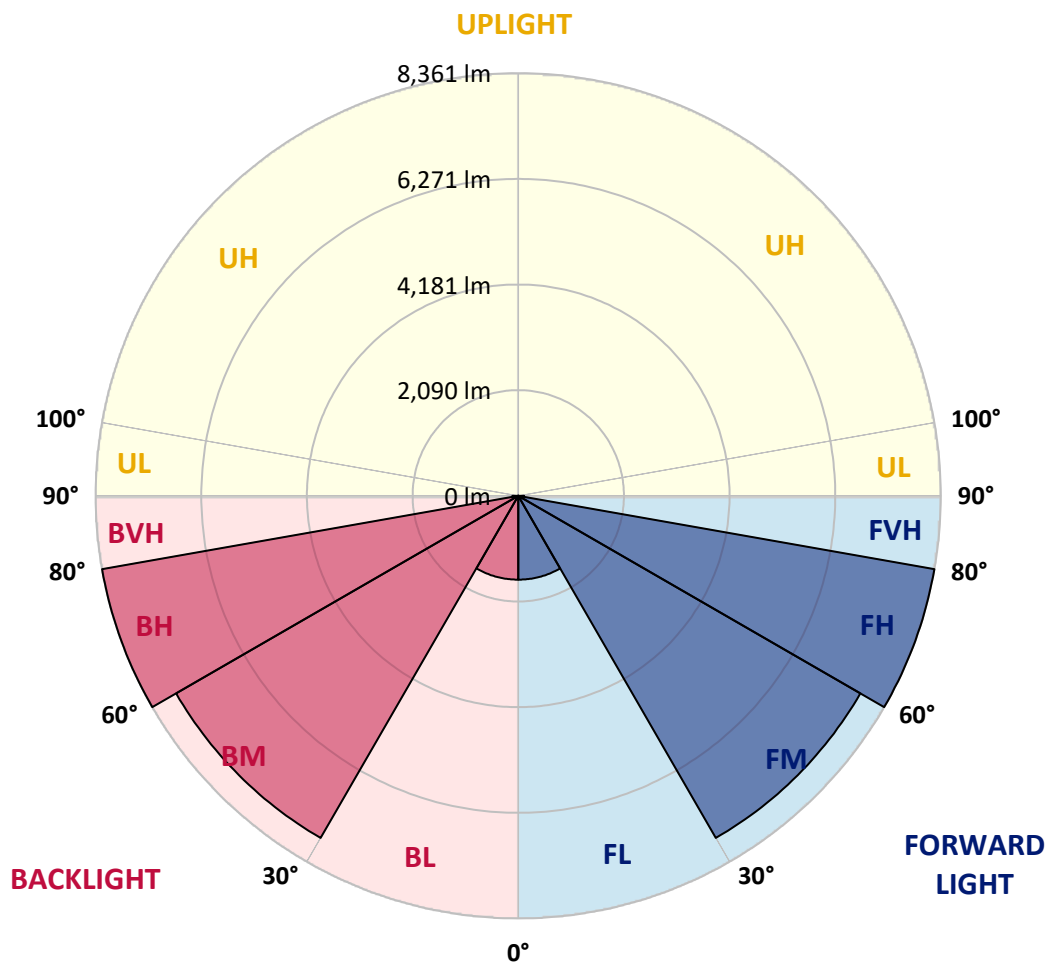
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1658.9	4.6			
FM	(30°-60°)	7816.3	21.8			
FH	(60°-80°)	8361.2	23.3			G4/12000
FVH	(80°-90°)	116.1	0.3			G2/225
BL	(0°-30°)	1658.9	4.6	B3/2500		
BM	(30°-60°)	7816.3	21.8	B4/8500		
BH	(60°-80°)	8361.2	23.3	B5		G4/12000
BVH	(80°-90°)	116.1	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°	3921.4	3921.4	3921.4	3921.4	3921.4	3921.4	3921.4	3921.4	3921.4	3921.4	3921.4
2.5°	3915.4	3911.9	3920.2	3919.0	3911.9	3913.1	3913.1	3916.6	3916.6	3914.3	3914.3
5°	3901.2	3898.8	3908.3	3908.3	3901.2	3903.6	3905.9	3909.5	3908.3	3905.9	3904.7
7.5°	3883.4	3882.2	3891.7	3891.7	3886.9	3889.3	3886.9	3888.1	3885.7	3883.4	3879.8
10°	3853.7	3856.0	3864.3	3866.7	3866.7	3867.9	3865.5	3859.6	3856.0	3852.5	3848.9
12.5°	3826.3	3825.1	3837.0	3843.0	3852.5	3863.2	3856.0	3839.4	3832.3	3825.1	3822.8
15°	3808.5	3809.7	3821.6	3832.3	3848.9	3871.5	3863.2	3837.0	3822.8	3814.4	3812.1
17.5°	3804.9	3807.3	3822.8	3841.8	3859.6	3884.5	3879.8	3853.7	3829.9	3814.4	3810.9
20°	3813.2	3814.4	3838.2	3865.5	3896.4	3920.2	3909.5	3881.0	3848.9	3825.1	3819.2
22.5°	3828.7	3833.5	3863.2	3905.9	3953.5	3985.6	3972.5	3923.8	3873.9	3844.1	3835.8
25°	3877.4	3878.6	3919.0	3977.2	4034.3	4071.1	4055.7	3986.7	3922.6	3889.3	3878.6
27.5°	3978.4	3982.0	4022.4	4090.1	4138.8	4162.6	4153.1	4097.3	4042.6	4006.9	4010.5
30°	4124.6	4129.3	4174.5	4249.4	4279.1	4285.0	4282.6	4256.5	4206.6	4159.0	4162.6
32.5°	4302.8	4305.2	4365.8	4433.5	4457.3	4462.1	4457.3	4433.5	4374.1	4310.0	4313.5
35°	4532.2	4539.3	4597.5	4662.9	4681.9	4691.4	4683.1	4652.2	4590.4	4527.4	4525.0
37.5°	4815.0	4816.2	4876.8	4944.5	4968.3	4970.7	4961.1	4940.9	4863.7	4806.7	4803.1
40°	5143.0	5147.7	5219.0	5291.5	5301.0	5290.3	5303.4	5291.5	5211.9	5146.5	5157.2
42.5°	5542.2	5552.9	5638.5	5709.8	5682.4	5676.5	5684.8	5688.4	5624.2	5544.6	5537.5
45°	6006.8	6016.4	6123.3	6180.3	6162.5	6123.3	6139.9	6168.5	6079.3	5980.7	5990.2
47.5°	6536.8	6560.6	6674.7	6728.1	6684.2	6630.7	6662.8	6705.6	6601.0	6478.6	6472.7
50°	7126.2	7155.9	7308.0	7382.9	7338.9	7240.3	7293.8	7322.3	7171.4	7013.3	7000.3
52.5°	7754.8	7784.5	7975.9	8130.3	8101.8	7948.5	8023.4	7993.7	7820.2	7607.5	7590.9
55°	8466.6	8478.5	8685.3	8934.8	8963.3	8850.4	8845.7	8797.0	8540.3	8294.3	8282.4
57.5°	9198.6	9206.9	9474.3	9769.0	9903.3	9903.3	9770.2	9666.8	9325.8	9040.6	9010.9
60°	9988.8	10018.5	10314.4	10714.9	11028.6	11121.3	10886.0	10604.4	10233.6	9885.5	9851.0
62.5°	10692.3	10726.8	11179.5	11776.0	12279.9	12617.4	12042.2	11583.5	10908.6	10350.1	10284.7
65°	10781.4	10874.1	11533.6	12613.8	13741.5	14415.2	13312.5	12182.4	10952.5	10176.6	10110.0
67.5°	9846.2	10003.1	10894.3	12575.8	14906.0	16352.2	14124.1	11840.2	10163.5	9305.6	9231.9
70°	7565.9	7794.0	8821.9	11000.1	14705.2	16976.0	13615.5	10365.5	8473.8	7550.4	7447.1
72.5°	4150.7	4244.6	5169.1	7532.6	11789.1	14425.9	11356.6	7664.5	5619.5	4572.6	4399.1
75°	1316.6	1349.9	1820.5	3082.4	6668.7	9555.1	7214.2	3762.2	2071.2	1527.0	1509.1
77.5°	584.6	588.2	658.3	899.5	2297.0	4841.1	2759.2	1024.3	705.8	616.7	636.9
80°	369.6	369.6	407.6	445.6	625.0	1405.8	746.3	487.2	415.9	386.2	394.5
82.5°	177.1	196.1	265.0	285.2	343.4	472.9	382.6	318.5	278.1	206.8	192.5
85°	116.5	97.4	167.6	188.9	199.6	227.0	222.2	210.3	181.8	103.4	115.3
87.5°	52.3	49.9	86.7	79.6	74.9	57.0	85.6	105.8	102.2	51.1	51.1
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)