

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: P316250

Luminaire Tested: **GAN-SA6C-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44558 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

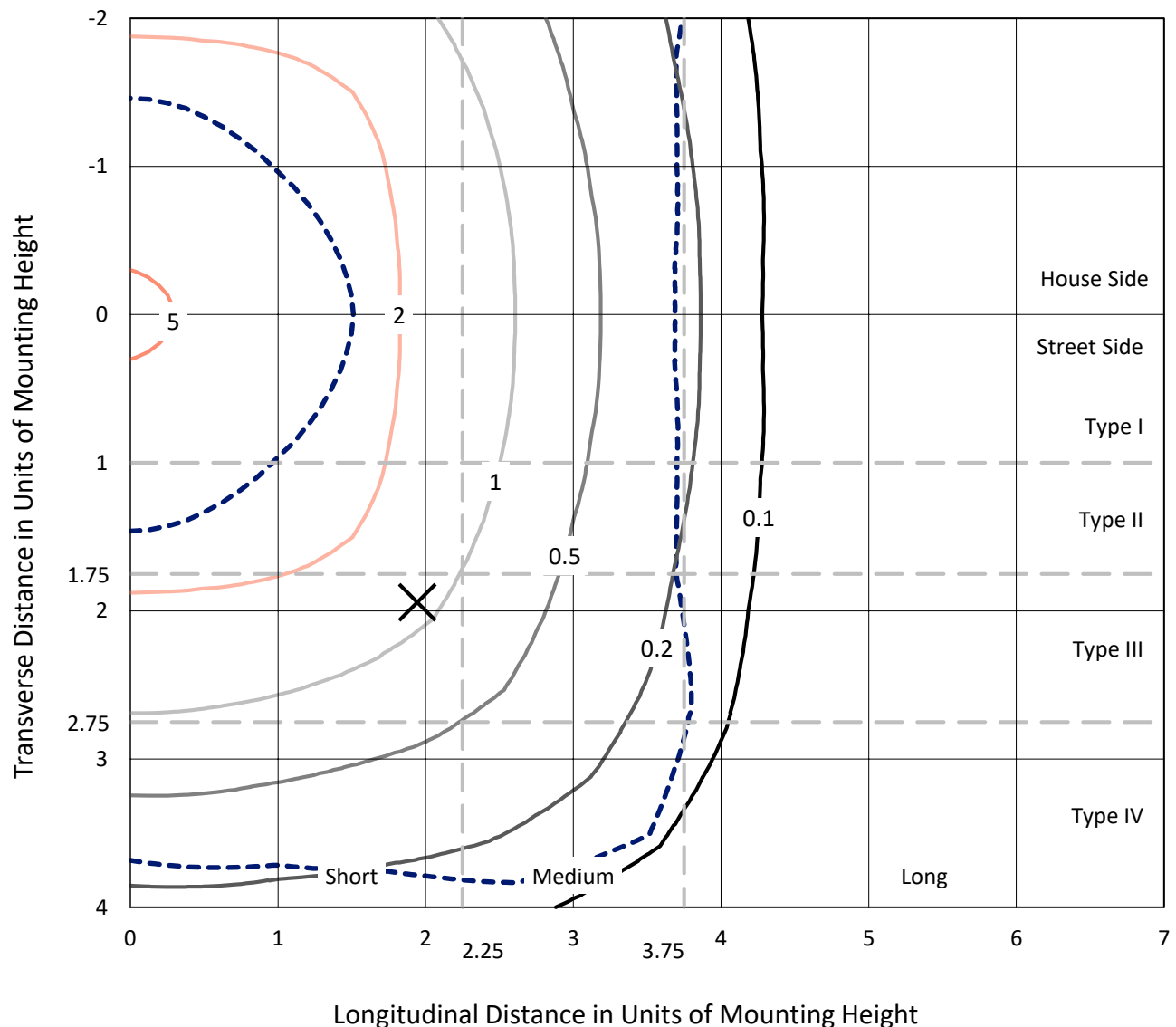
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

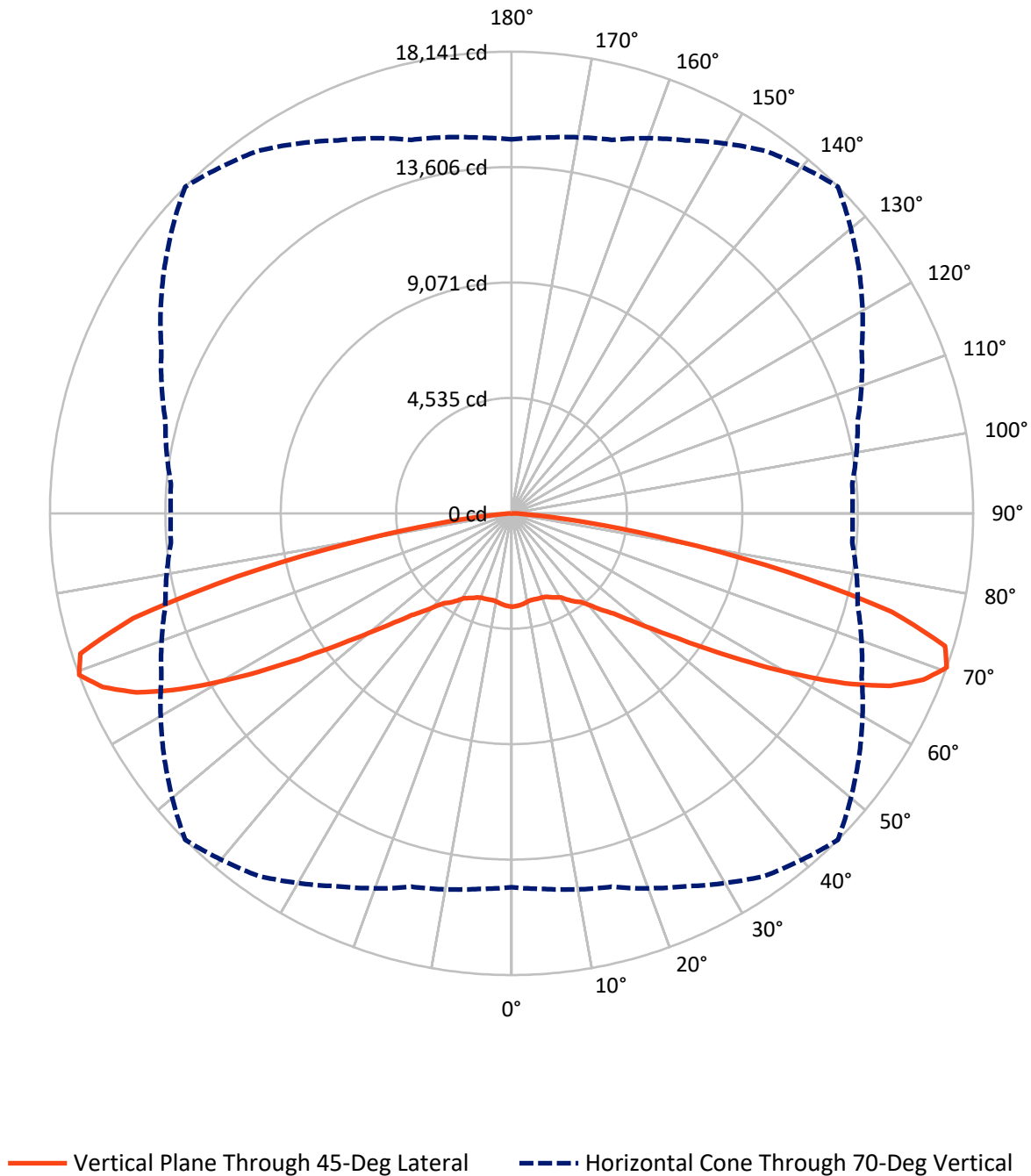
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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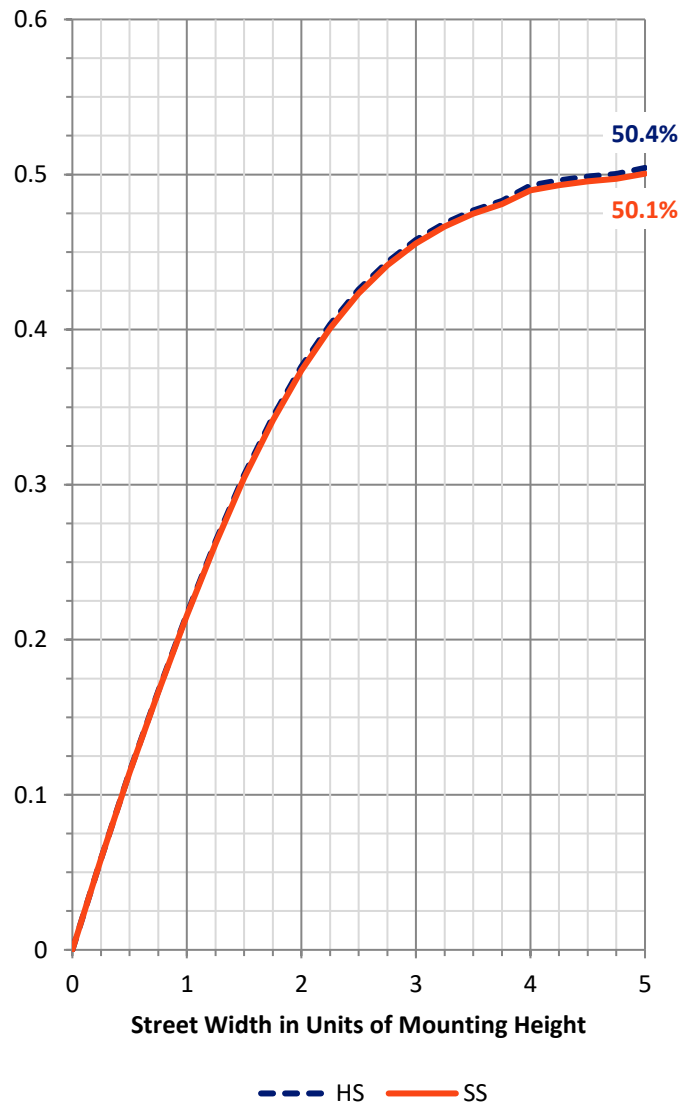
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22279.0	0.0	22279.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22279.0	0.0	22279.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44558.0	0.0	44558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.3	0.8
10°-20°	999.8	2.2
20°-30°	1704.6	3.8
30°-40°	2663.5	6.0
40°-50°	4513.9	10.1
50°-60°	8231.5	18.5
60°-70°	14171.1	31.8
70°-80°	11107.8	24.9
80°-90°	823.6	1.8
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°	44558.0	100.0
0°-180°	44558.0	100.0

Coefficient of Utilization



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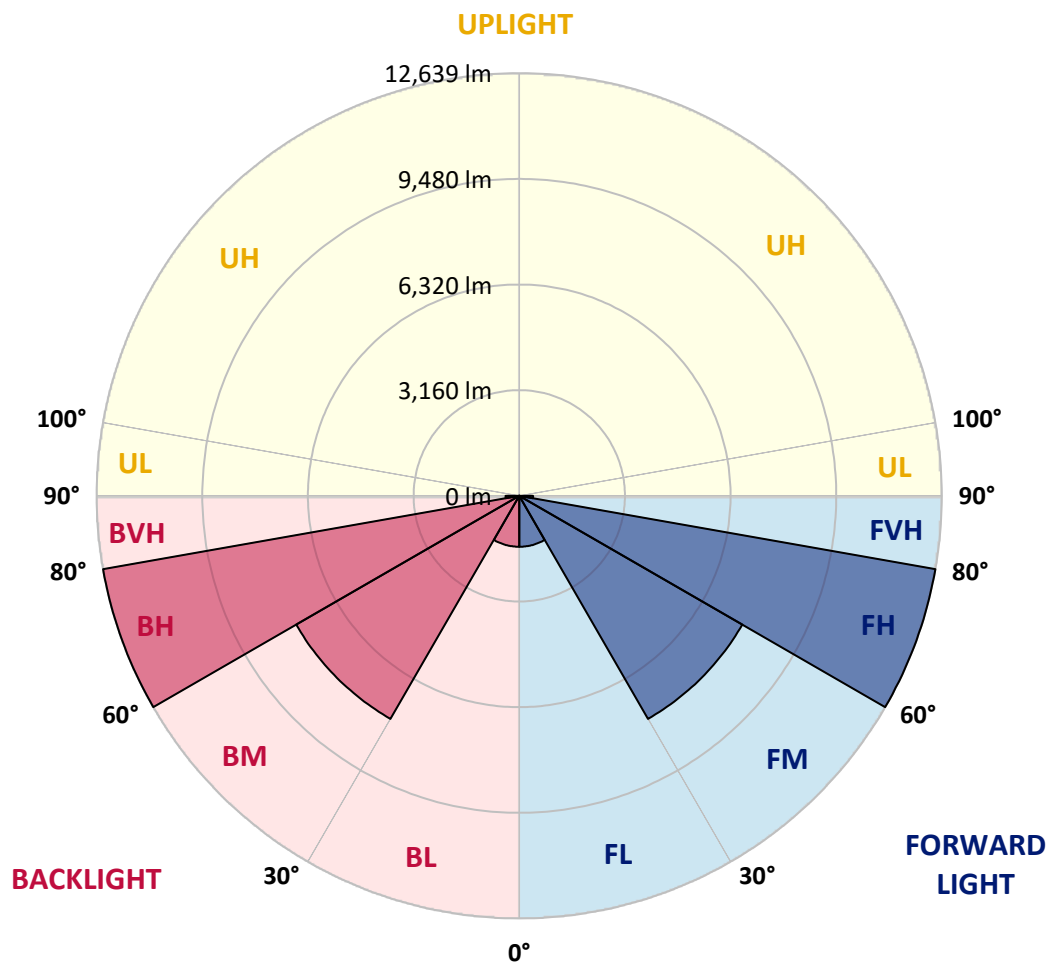
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1523.3	3.4			
FM	(30°-60°)	7704.4	17.3			
FH	(60°-80°)	12639.4	28.4			G5
FVH	(80°-90°)	411.8	0.9			G3/500
BL	(0°-30°)	1523.3	3.4	B3/2500		
BM	(30°-60°)	7704.4	17.3	B4/8500		
BH	(60°-80°)	12639.4	28.4	B5		G5
BVH	(80°-90°)	411.8	0.9			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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3667.1	3667.1	3667.1	3667.1	3667.1	3667.1	3667.1	3667.1	3667.1	3667.1	3667.1
2.5°	3650.9	3655.3	3650.9	3653.9	3646.5	3649.4	3649.4	3649.4	3648.0	3649.4	3646.5
5°	3618.5	3621.4	3615.5	3618.5	3614.1	3618.5	3620.0	3618.5	3615.5	3617.0	3611.1
7.5°	3569.9	3572.8	3568.4	3572.8	3566.9	3574.3	3572.8	3568.4	3564.0	3564.0	3558.1
10°	3543.3	3544.8	3533.0	3528.6	3515.3	3518.3	3522.7	3527.1	3531.5	3540.4	3538.9
12.5°	3544.8	3544.8	3527.1	3507.9	3488.8	3493.2	3500.6	3516.8	3534.5	3550.7	3552.2
15°	3559.5	3558.1	3531.5	3500.6	3487.3	3500.6	3505.0	3515.3	3543.3	3571.3	3572.8
17.5°	3569.9	3569.9	3528.6	3493.2	3491.7	3512.4	3510.9	3515.3	3546.3	3587.5	3589.0
20°	3589.0	3589.0	3536.0	3497.6	3497.6	3519.7	3521.2	3528.6	3559.5	3605.2	3612.6
22.5°	3631.8	3633.2	3577.2	3546.3	3549.2	3562.5	3566.9	3578.7	3606.7	3656.8	3665.7
25°	3692.2	3695.1	3637.7	3620.0	3630.3	3655.3	3652.4	3661.2	3692.2	3740.8	3749.7
27.5°	3776.2	3768.8	3715.8	3708.4	3718.7	3736.4	3734.9	3736.4	3761.5	3805.7	3816.0
30°	3885.3	3882.3	3844.0	3848.4	3844.0	3838.1	3839.6	3851.4	3864.6	3900.0	3910.3
32.5°	3991.4	3994.3	3970.8	3992.9	4025.3	4047.4	4013.5	3981.1	3966.3	3985.5	3994.3
35°	4183.0	4190.4	4153.5	4138.8	4183.0	4247.9	4152.1	4099.0	4128.5	4153.5	4160.9
37.5°	4508.7	4513.2	4451.3	4392.3	4359.9	4421.8	4326.0	4330.4	4433.6	4480.7	4479.3
40°	4880.2	4881.6	4840.4	4788.8	4732.8	4747.5	4709.2	4721.0	4788.8	4831.5	4843.3
42.5°	5322.3	5317.9	5253.1	5179.4	5163.2	5177.9	5113.1	5104.2	5182.3	5259.0	5260.4
45°	5895.7	5885.4	5801.4	5720.3	5642.2	5609.8	5593.6	5636.3	5743.9	5814.6	5816.1
47.5°	6513.3	6485.3	6441.1	6376.2	6308.4	6276.0	6249.4	6270.1	6348.2	6376.2	6379.2
50°	7148.5	7154.4	7163.3	7138.2	7113.2	7102.9	7033.6	6993.8	7017.4	6965.8	6958.4
52.5°	7901.7	7913.5	7999.0	8071.2	8114.0	8136.1	8004.9	7867.8	7791.2	7690.9	7661.5
55°	8790.5	8809.7	8934.9	9135.4	9341.7	9450.8	9213.5	8957.1	8719.8	8532.6	8472.1
57.5°	9781.0	9814.9	9987.3	10372.0	10795.0	11053.0	10652.1	10186.3	9727.9	9458.2	9411.0
60°	10942.4	10974.9	11213.6	11764.9	12450.3	12837.9	12230.6	11468.6	10898.2	10640.3	10553.3
62.5°	12325.0	12327.9	12621.2	13265.3	14170.3	14709.8	13887.3	12868.9	12280.8	11969.8	11885.7
65°	13812.2	13819.5	14123.2	14818.9	15754.8	16341.4	15412.9	14351.6	13632.3	13174.0	13109.1
67.5°	14863.1	14894.0	15213.9	16051.1	16926.6	17455.7	16494.7	15294.9	14463.6	13916.8	13862.3
70°	14695.0	14815.9	15191.8	16169.0	17386.4	18141.1	16670.1	15182.9	14086.3	13440.7	13395.0
72.5°	12815.8	13047.2	13548.3	14830.6	16777.7	17816.8	15713.5	13598.4	12357.4	11807.6	11725.1
75°	8727.1	9103.0	9859.1	11708.9	14333.9	15426.1	13228.5	10842.2	9674.9	8914.3	8858.3
77.5°	3891.2	3976.7	4934.7	7064.5	9891.5	11078.0	9611.5	7092.5	5323.8	4246.4	4019.4
80°	1084.8	1098.1	1465.1	2631.0	4950.9	6508.9	5315.0	2763.6	1553.5	1095.1	1031.7
82.5°	344.9	374.4	456.9	682.4	1664.1	2970.0	1708.3	737.0	524.7	418.6	377.3
85°	168.0	166.6	231.4	277.1	424.5	657.4	452.5	342.0	299.2	199.0	179.8
87.5°	70.7	72.2	107.6	97.3	123.8	106.1	145.9	153.3	160.7	88.4	76.6
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)