

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: P316632

Luminaire Tested: **GAN-SA8A-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316632
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-SA8A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31179 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

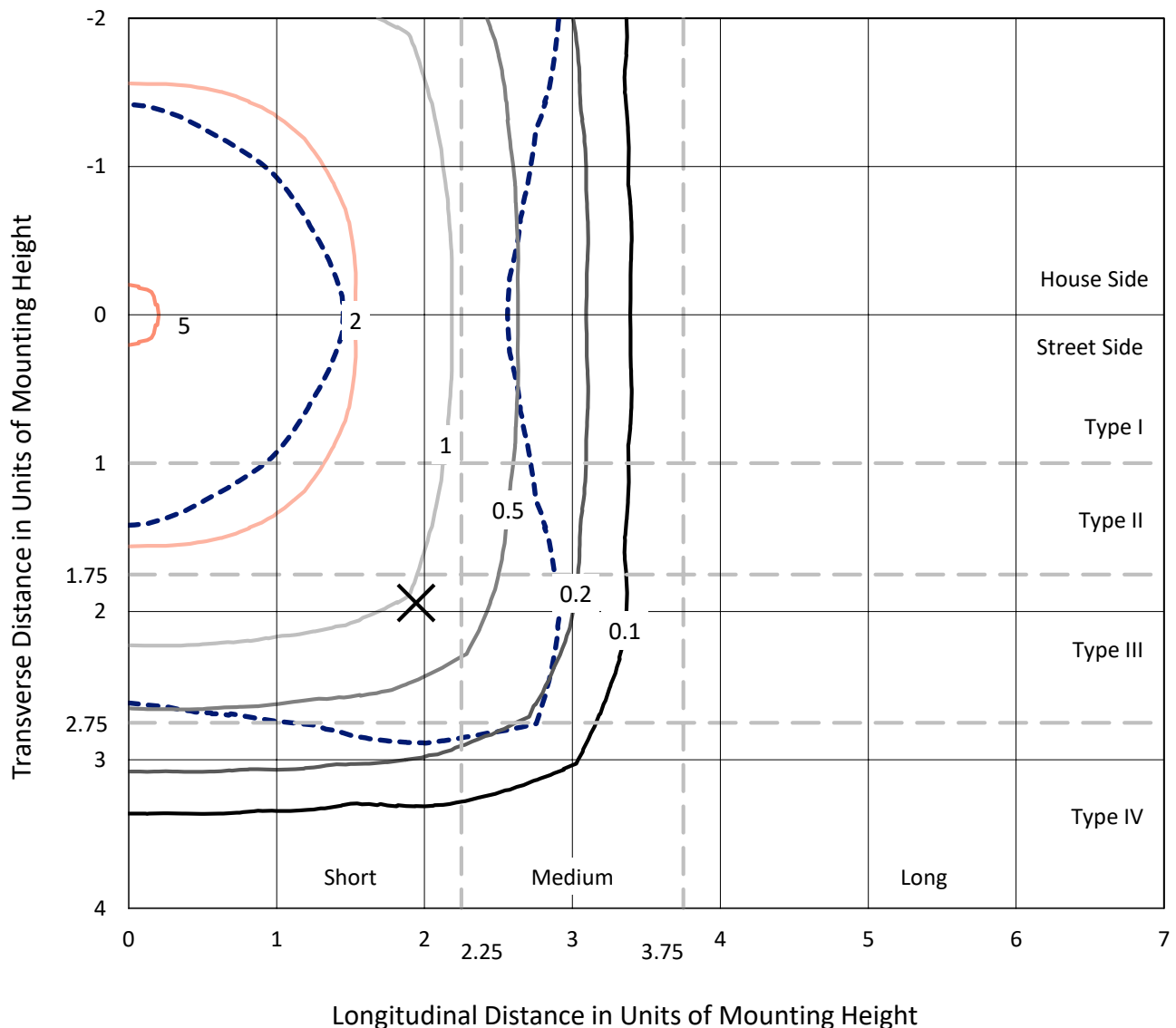
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

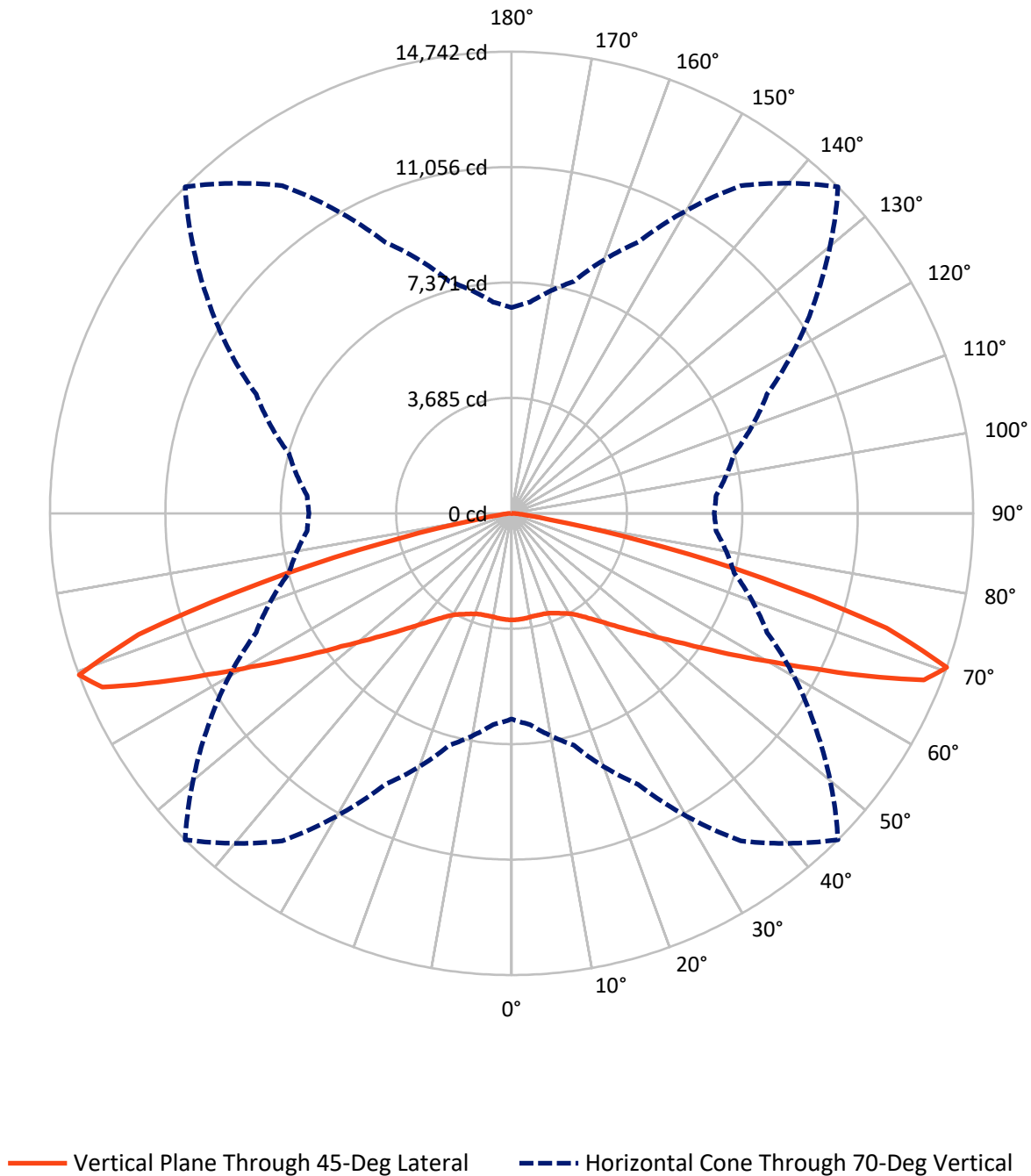
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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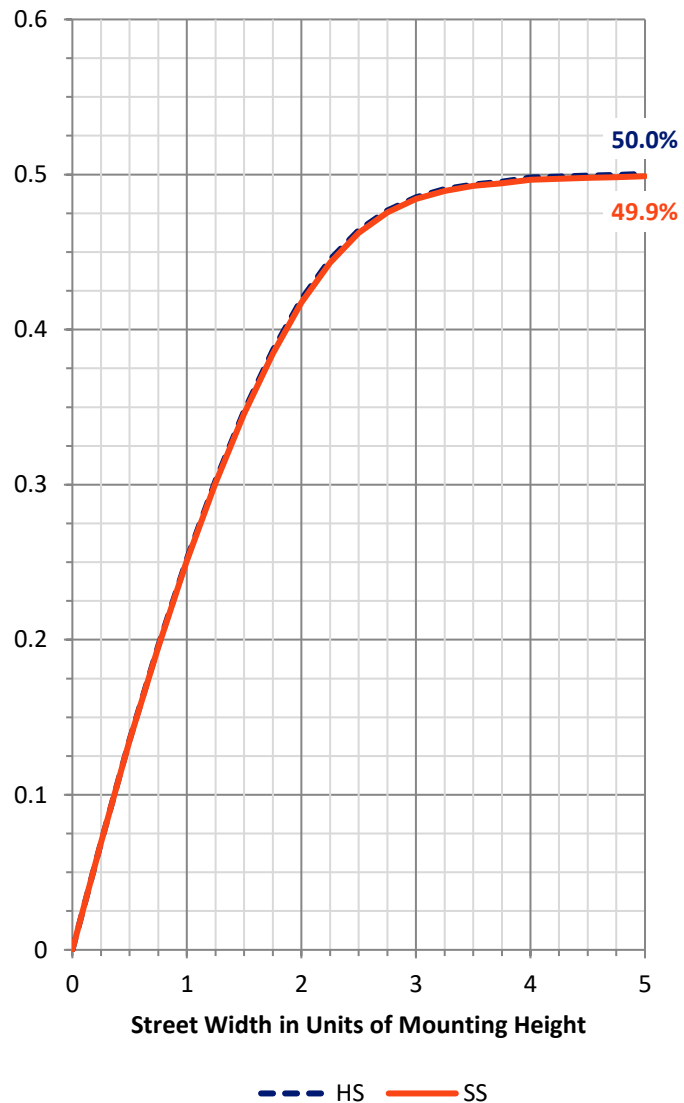
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15589.5	0.0	15589.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15589.5	0.0	15589.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31179.0	0.0	31179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.5	1.0
10°-20°	946.8	3.0
20°-30°	1611.8	5.2
30°-40°	2556.3	8.2
40°-50°	4159.8	13.3
50°-60°	6858.8	22.0
60°-70°	10068.9	32.3
70°-80°	4452.5	14.3
80°-90°	201.6	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°	31179.0	100.0
0°-180°	31179.0	100.0

Coefficient of Utilization



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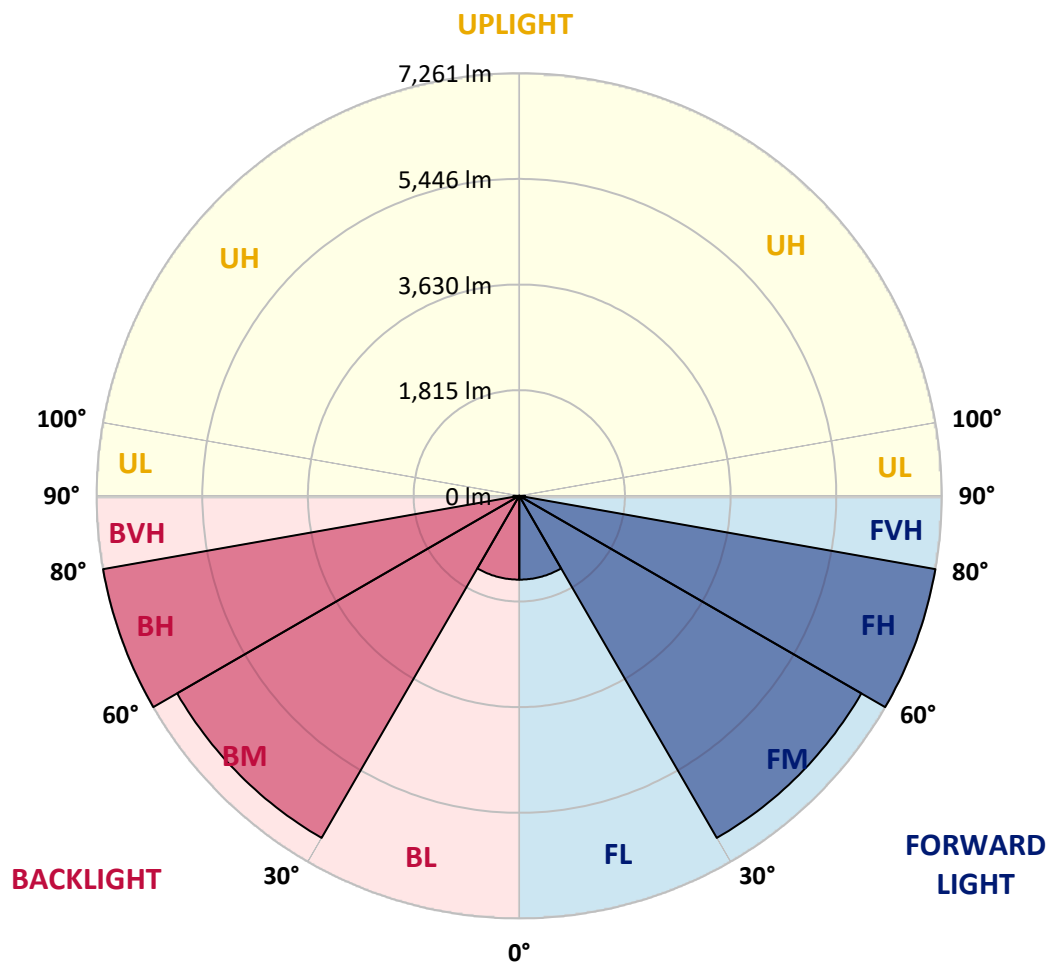
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1440.6	4.6			
FM	(30°-60°)	6787.4	21.8			
FH	(60°-80°)	7260.7	23.3			G3/7500
FVH	(80°-90°)	100.8	0.3			G2/225
BL	(0°-30°)	1440.6	4.6	B3/2500		
BM	(30°-60°)	6787.4	21.8	B4/8500		
BH	(60°-80°)	7260.7	23.3	B5		G3/7500
BVH	(80°-90°)	100.8	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3405.2	3405.2	3405.2	3405.2	3405.2	3405.2	3405.2	3405.2	3405.2	3405.2	3405.2
2.5°	3400.1	3397.0	3404.2	3403.2	3397.0	3398.0	3398.0	3401.1	3401.1	3399.0	3399.0
5°	3387.7	3385.6	3393.9	3393.9	3387.7	3389.8	3391.8	3394.9	3393.9	3391.8	3390.8
7.5°	3372.2	3371.2	3379.4	3379.4	3375.3	3377.4	3375.3	3376.3	3374.3	3372.2	3369.1
10°	3346.4	3348.5	3355.7	3357.8	3357.8	3358.8	3356.7	3351.6	3348.5	3345.4	3342.3
12.5°	3322.7	3321.6	3332.0	3337.1	3345.4	3354.7	3348.5	3334.0	3327.8	3321.6	3319.6
15°	3307.2	3308.2	3318.6	3327.8	3342.3	3361.9	3354.7	3332.0	3319.6	3312.4	3310.3
17.5°	3304.1	3306.2	3319.6	3336.1	3351.6	3373.2	3369.1	3346.4	3325.8	3312.4	3309.3
20°	3311.3	3312.4	3333.0	3356.7	3383.6	3404.2	3394.9	3370.1	3342.3	3321.6	3316.5
22.5°	3324.7	3328.9	3354.7	3391.8	3433.1	3461.0	3449.6	3407.3	3364.0	3338.2	3330.9
25°	3367.1	3368.1	3403.2	3453.7	3503.3	3535.2	3521.8	3462.0	3406.3	3377.4	3368.1
27.5°	3454.8	3457.9	3492.9	3551.8	3594.1	3614.7	3606.5	3558.0	3510.5	3479.5	3482.6
30°	3581.7	3585.8	3625.0	3690.0	3715.8	3721.0	3718.9	3696.2	3652.9	3611.6	3614.7
32.5°	3736.5	3738.5	3791.2	3850.0	3870.6	3874.7	3870.6	3850.0	3798.4	3742.7	3745.8
35°	3935.6	3941.8	3992.4	4049.1	4065.6	4073.9	4066.7	4039.8	3986.2	3931.5	3929.4
37.5°	4181.2	4182.2	4234.9	4293.7	4314.3	4316.4	4308.1	4290.6	4223.5	4174.0	4170.9
40°	4466.0	4470.1	4532.1	4595.0	4603.3	4594.0	4605.3	4595.0	4525.9	4469.1	4478.4
42.5°	4812.7	4822.0	4896.3	4958.2	4934.5	4929.3	4936.6	4939.7	4883.9	4814.8	4808.6
45°	5216.2	5224.5	5317.3	5366.9	5351.4	5317.3	5331.8	5356.5	5279.1	5193.5	5201.7
47.5°	5676.4	5697.1	5796.1	5842.6	5804.4	5757.9	5785.8	5822.9	5732.1	5625.9	5620.7
50°	6188.2	6214.0	6346.1	6411.1	6372.9	6287.3	6333.7	6358.5	6227.4	6090.2	6078.9
52.5°	6734.1	6759.9	6926.0	7060.2	7035.4	6902.3	6967.3	6941.5	6790.9	6606.2	6591.7
55°	7352.2	7362.5	7542.1	7758.8	7783.5	7685.5	7681.4	7639.1	7416.2	7202.6	7192.3
57.5°	7987.8	7995.1	8227.2	8483.2	8599.8	8599.8	8484.2	8394.4	8098.3	7850.6	7824.8
60°	8674.1	8699.9	8956.8	9304.5	9577.0	9657.4	9453.1	9208.6	8886.6	8584.3	8554.4
62.5°	9284.9	9314.9	9708.0	10226.0	10663.5	10956.6	10457.2	10058.8	9472.7	8987.7	8931.0
65°	9362.3	9442.8	10015.5	10953.5	11932.8	12517.8	11560.2	10578.9	9510.9	8837.1	8779.3
67.5°	8550.2	8686.4	9460.4	10920.5	12944.0	14199.8	12265.0	10281.7	8825.7	8080.7	8016.7
70°	6570.0	6768.2	7660.7	9552.2	12769.6	14741.6	11823.4	9001.2	7358.4	6556.6	6466.8
72.5°	3604.4	3685.9	4488.7	6541.1	10237.4	12527.1	9861.8	6655.7	4879.8	3970.7	3820.1
75°	1143.3	1172.2	1580.9	2676.7	5791.0	8297.4	6264.6	3267.0	1798.6	1326.0	1310.5
77.5°	507.7	510.8	571.7	781.1	1994.6	4203.9	2396.0	889.5	612.9	535.6	553.1
80°	320.9	320.9	353.9	387.0	542.8	1220.7	648.0	423.1	361.2	335.4	342.6
82.5°	153.8	170.3	230.1	247.7	298.2	410.7	332.3	276.5	241.5	179.5	167.2
85°	101.1	84.6	145.5	164.1	173.4	197.1	193.0	182.6	157.9	89.8	100.1
87.5°	45.4	43.3	75.3	69.1	65.0	49.5	74.3	91.8	88.7	44.4	44.4
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)