

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: P316568

Luminaire Tested: **GAN-SA4C-760-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316568
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-SA4C-760-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5700K, 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: 29973 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 225
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



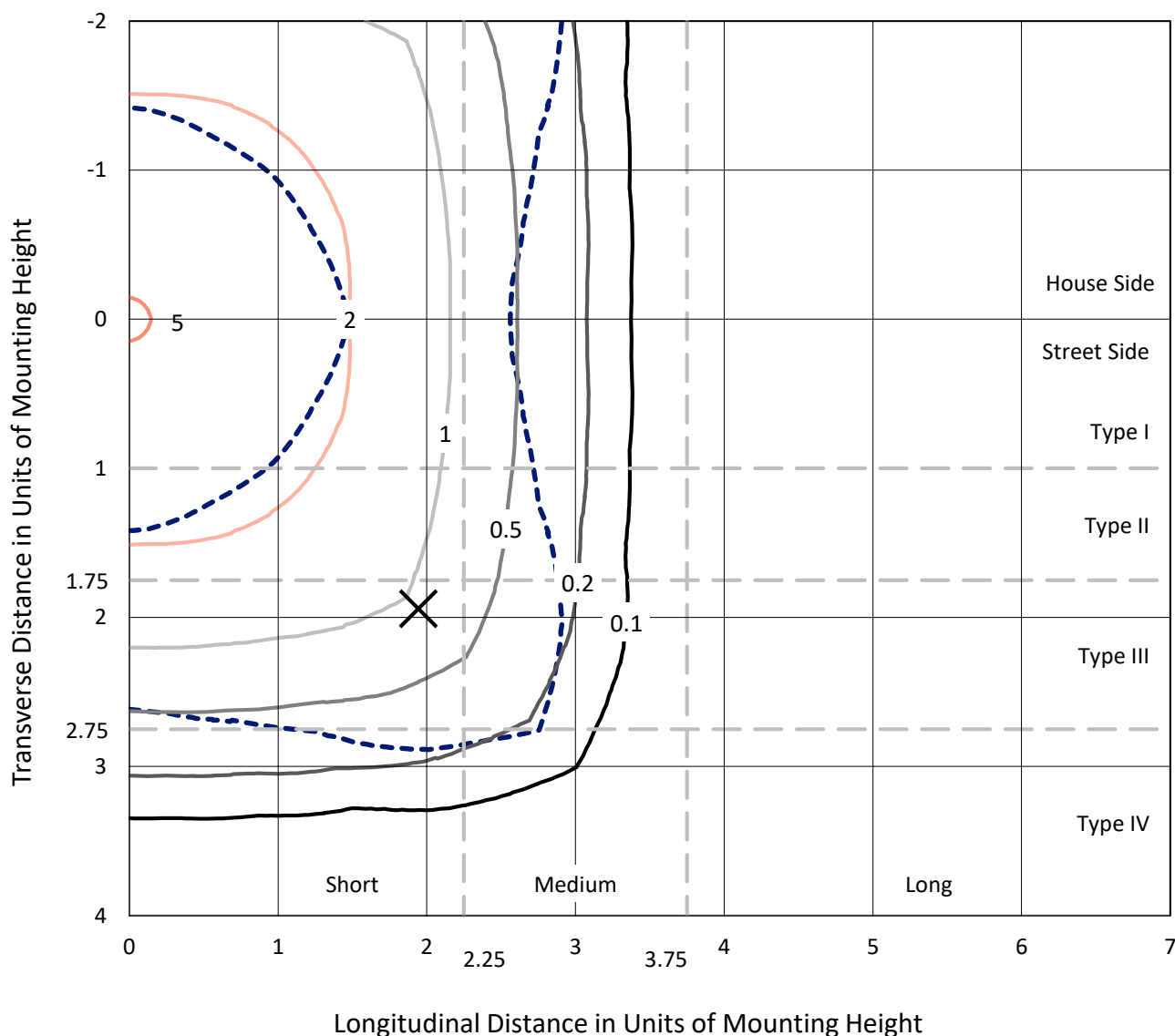
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

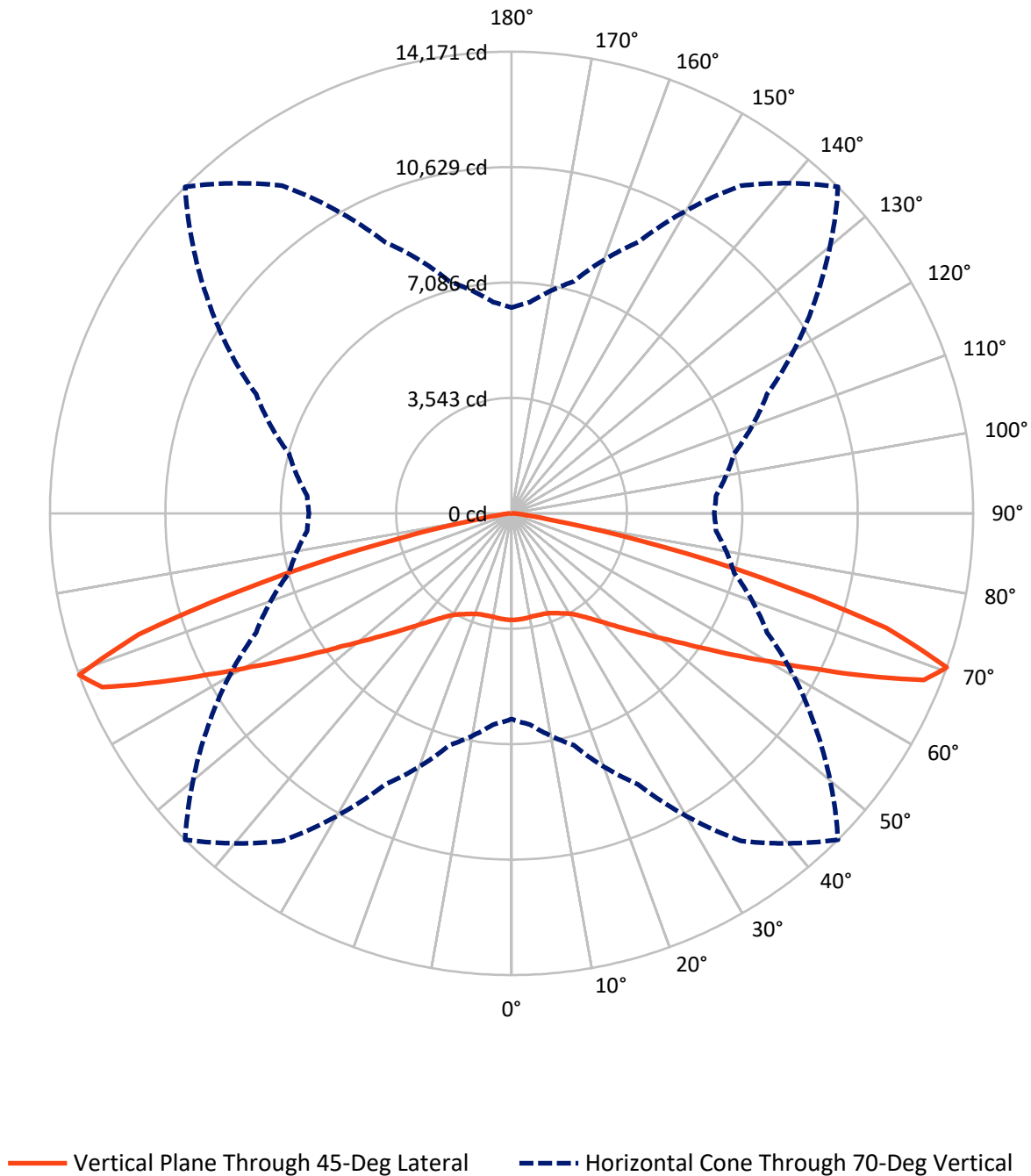


Based on 25 foot mounting height. Maximum calculated value = 5.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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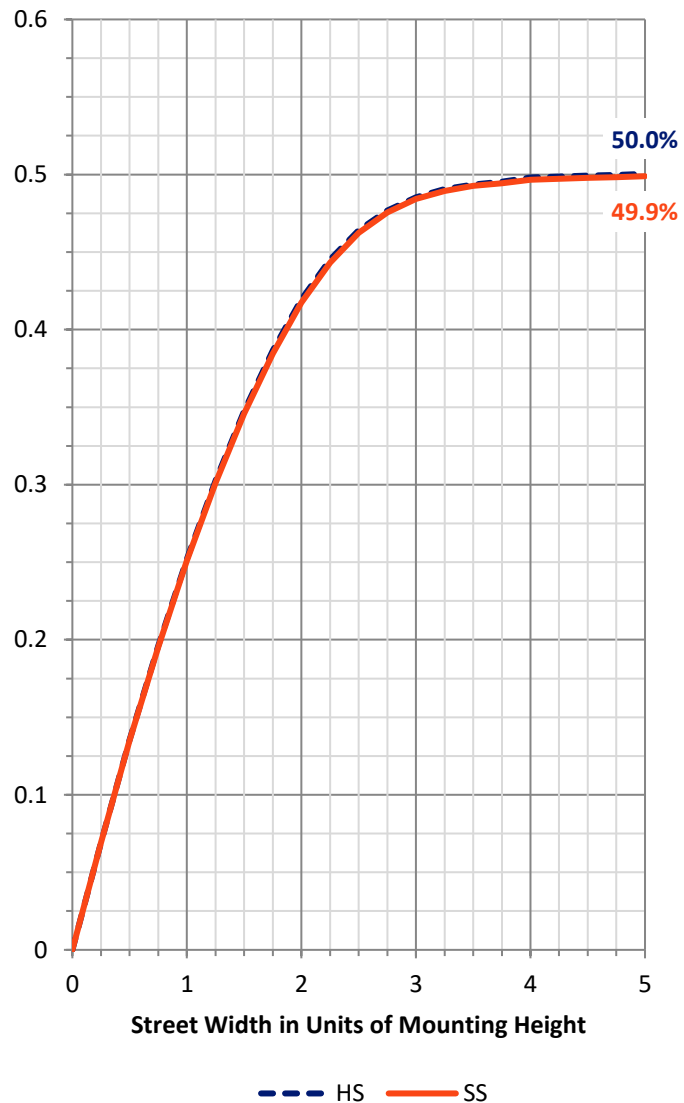
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14986.5	0.0	14986.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14986.5	0.0	14986.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29973.0	0.0	29973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.0	1.0
10°-20°	910.2	3.0
20°-30°	1549.4	5.2
30°-40°	2457.4	8.2
40°-50°	3998.9	13.3
50°-60°	6593.5	22.0
60°-70°	9679.5	32.3
70°-80°	4280.2	14.3
80°-90°	193.8	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°	29973.0	100.0
0°-180°	29973.0	100.0

Coefficient of Utilization



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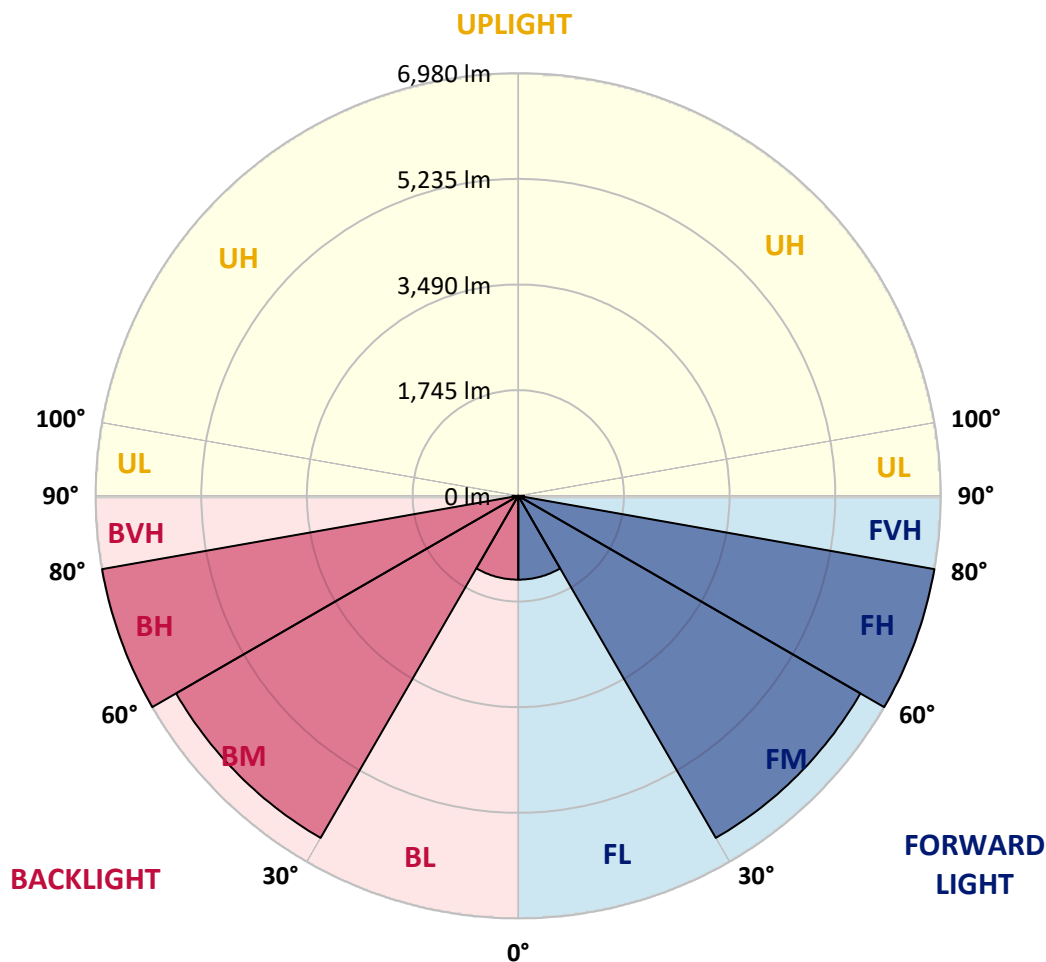
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1384.8	4.6			
FM	(30°-60°)	6524.9	21.8			
FH	(60°-80°)	6979.8	23.3			G3/7500
FVH	(80°-90°)	96.9	0.3			G1/100
BL	(0°-30°)	1384.8	4.6	B3/2500		
BM	(30°-60°)	6524.9	21.8	B4/8500		
BH	(60°-80°)	6979.8	23.3	B5		G3/7500
BVH	(80°-90°)	96.9	0.3			G1/100
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°	3273.5	3273.5	3273.5	3273.5	3273.5	3273.5	3273.5	3273.5	3273.5	3273.5	3273.5
2.5°	3268.6	3265.6	3272.5	3271.5	3265.6	3266.6	3266.6	3269.6	3269.6	3267.6	3267.6
5°	3256.7	3254.7	3262.6	3262.6	3256.7	3258.6	3260.6	3263.6	3262.6	3260.6	3259.6
7.5°	3241.8	3240.8	3248.7	3248.7	3244.8	3246.7	3244.8	3245.7	3243.8	3241.8	3238.8
10°	3217.0	3219.0	3225.9	3227.9	3227.9	3228.9	3226.9	3221.9	3219.0	3216.0	3213.0
12.5°	3194.2	3193.2	3203.1	3208.0	3216.0	3224.9	3219.0	3205.1	3199.1	3193.2	3191.2
15°	3179.3	3180.3	3190.2	3199.1	3213.0	3231.9	3224.9	3203.1	3191.2	3184.2	3182.3
17.5°	3176.3	3178.3	3191.2	3207.1	3221.9	3242.8	3238.8	3217.0	3197.1	3184.2	3181.3
20°	3183.2	3184.2	3204.1	3226.9	3252.7	3272.5	3263.6	3239.8	3213.0	3193.2	3188.2
22.5°	3196.1	3200.1	3224.9	3260.6	3300.3	3327.1	3316.2	3275.5	3233.8	3209.0	3202.1
25°	3236.8	3237.8	3271.5	3320.1	3367.8	3398.5	3385.6	3328.1	3274.5	3246.7	3237.8
27.5°	3321.1	3324.1	3357.8	3414.4	3455.0	3474.9	3467.0	3420.3	3374.7	3344.9	3347.9
30°	3443.1	3447.1	3484.8	3547.3	3572.1	3577.1	3575.1	3553.3	3511.6	3471.9	3474.9
32.5°	3591.9	3593.9	3644.5	3701.1	3720.9	3724.9	3720.9	3701.1	3651.5	3597.9	3600.9
35°	3783.4	3789.3	3838.0	3892.5	3908.4	3916.3	3909.4	3883.6	3832.0	3779.4	3777.4
37.5°	4019.5	4020.5	4071.1	4127.6	4147.4	4149.4	4141.5	4124.6	4060.2	4012.5	4009.6
40°	4293.3	4297.2	4356.8	4417.3	4425.2	4416.3	4427.2	4417.3	4350.8	4296.2	4305.2
42.5°	4626.6	4635.5	4706.9	4766.4	4743.6	4738.7	4745.6	4748.6	4695.0	4628.6	4622.6
45°	5014.4	5022.4	5111.6	5159.3	5144.4	5111.6	5125.5	5149.3	5074.9	4992.6	5000.5
47.5°	5456.9	5476.7	5571.9	5616.6	5579.9	5535.2	5562.0	5597.7	5510.4	5408.2	5403.3
50°	5948.9	5973.7	6100.6	6163.1	6126.4	6044.1	6088.7	6112.6	5986.6	5854.6	5843.7
52.5°	6473.6	6498.4	6658.1	6787.1	6763.3	6635.3	6697.8	6673.0	6528.2	6350.6	6336.7
55°	7067.8	7077.7	7250.3	7458.7	7482.5	7388.2	7384.3	7343.6	7129.3	6924.0	6914.1
57.5°	7678.9	7685.8	7909.0	8155.0	8267.1	8267.1	8156.0	8069.7	7785.0	7546.9	7522.1
60°	8338.5	8363.3	8610.3	8944.6	9206.5	9283.9	9087.5	8852.4	8542.9	8252.2	8223.5
62.5°	8925.8	8954.6	9332.5	9830.5	10251.1	10532.8	10052.7	9669.8	9106.3	8640.1	8585.5
65°	9000.2	9077.6	9628.1	10529.8	11471.2	12033.7	11113.1	10169.7	9143.0	8495.3	8439.7
67.5°	8219.5	8350.4	9094.4	10498.1	12443.3	13650.6	11790.6	9884.0	8484.4	7768.2	7706.7
70°	6315.9	6506.4	7364.4	9182.7	12275.7	14171.4	11366.1	8653.0	7073.8	6303.0	6216.7
72.5°	3465.0	3543.3	4315.1	6288.1	9841.4	12042.6	9480.3	6398.2	4691.1	3817.1	3672.3
75°	1099.1	1126.9	1519.7	2573.2	5567.0	7976.5	6022.3	3140.6	1729.0	1274.7	1259.8
77.5°	488.1	491.0	549.6	750.9	1917.5	4041.3	2303.4	855.1	589.2	514.8	531.7
80°	308.5	308.5	340.2	372.0	521.8	1173.5	623.0	406.7	347.2	322.4	329.3
82.5°	147.8	163.7	221.2	238.1	286.7	394.8	319.4	265.8	232.1	172.6	160.7
85°	97.2	81.3	139.9	157.7	166.7	189.5	185.5	175.6	151.8	86.3	96.2
87.5°	43.6	41.7	72.4	66.5	62.5	47.6	71.4	88.3	85.3	42.7	42.7
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)