

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: P316966

Luminaire Tested: **GAN-SA2C-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11862 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

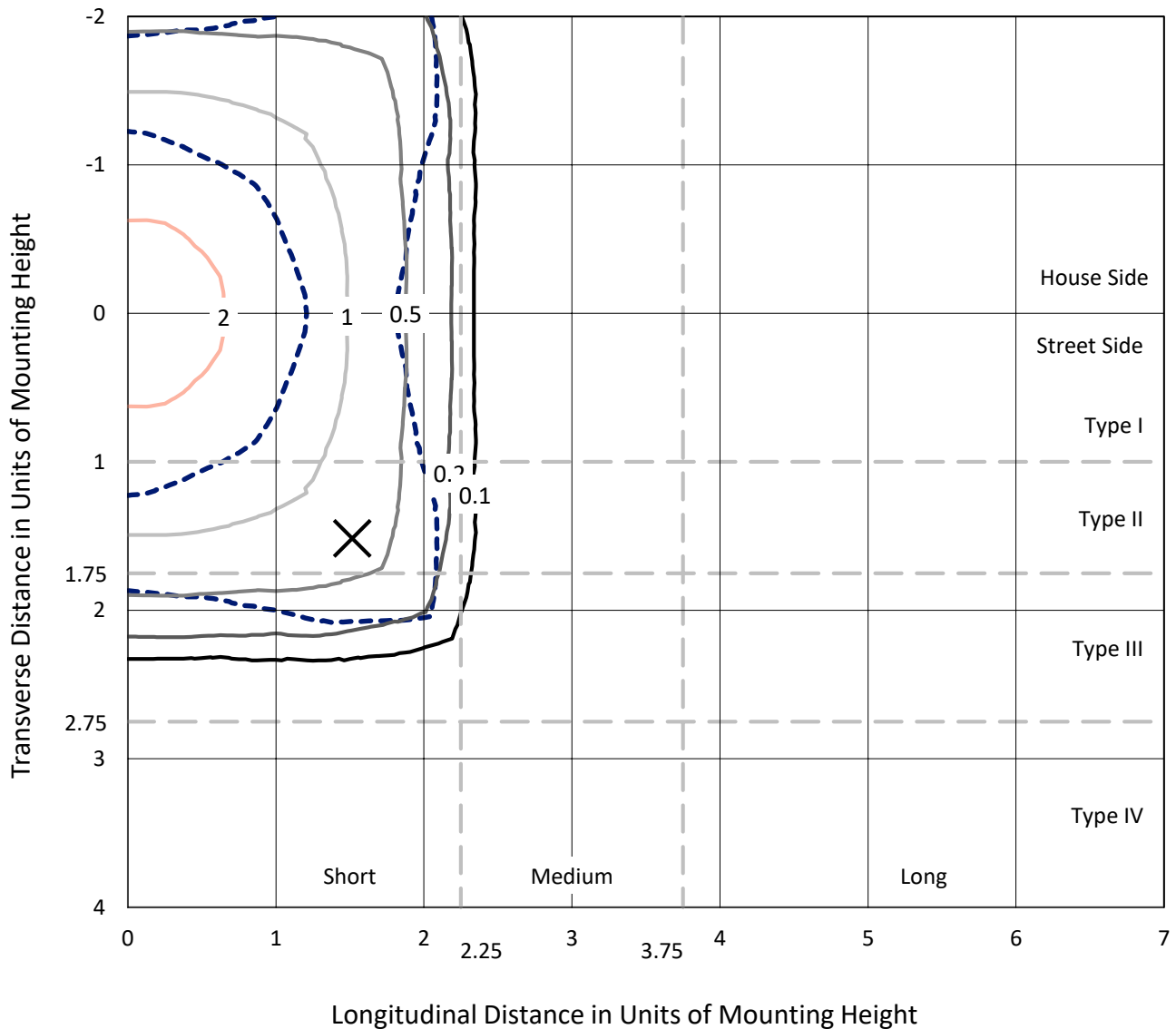
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

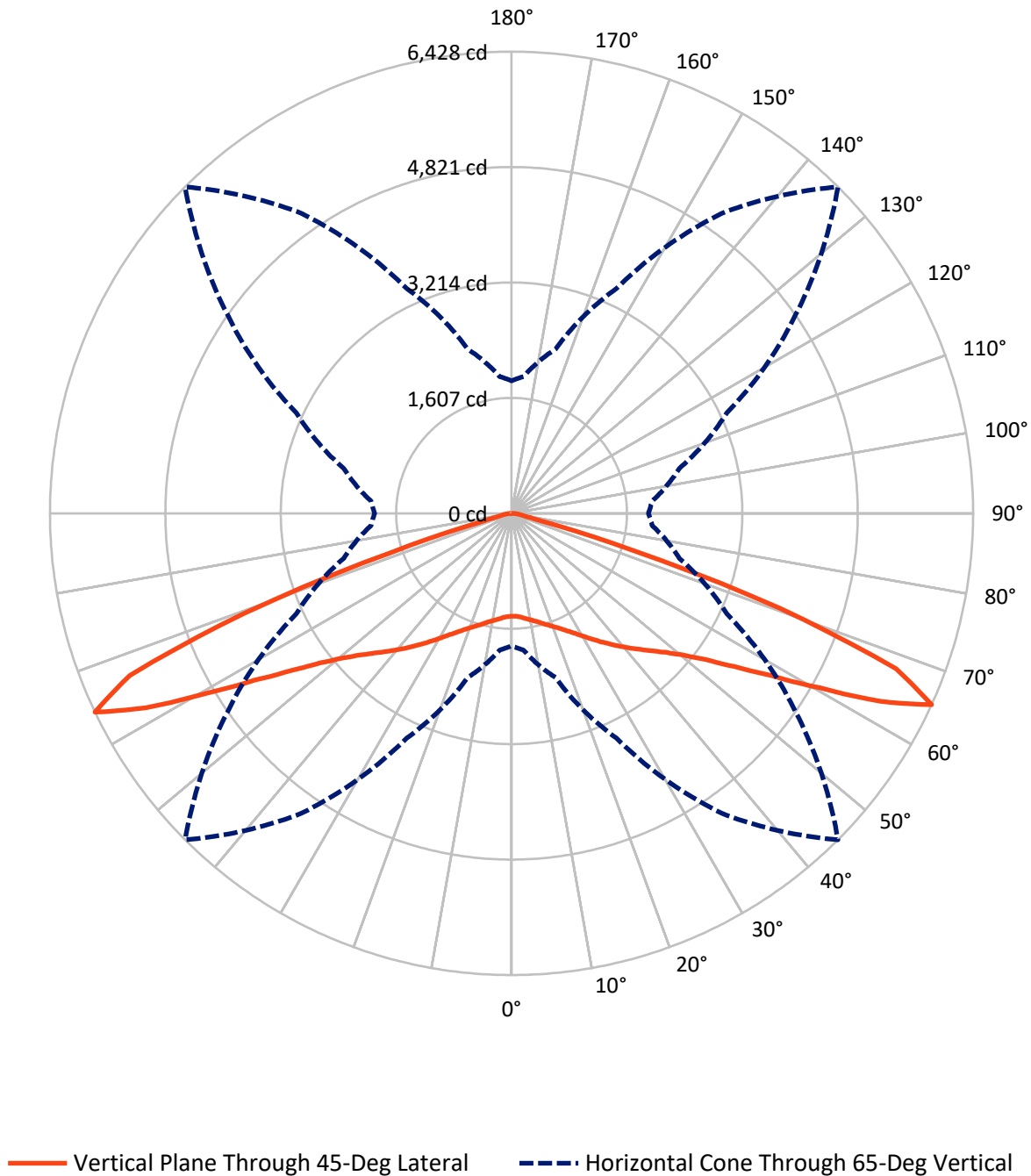
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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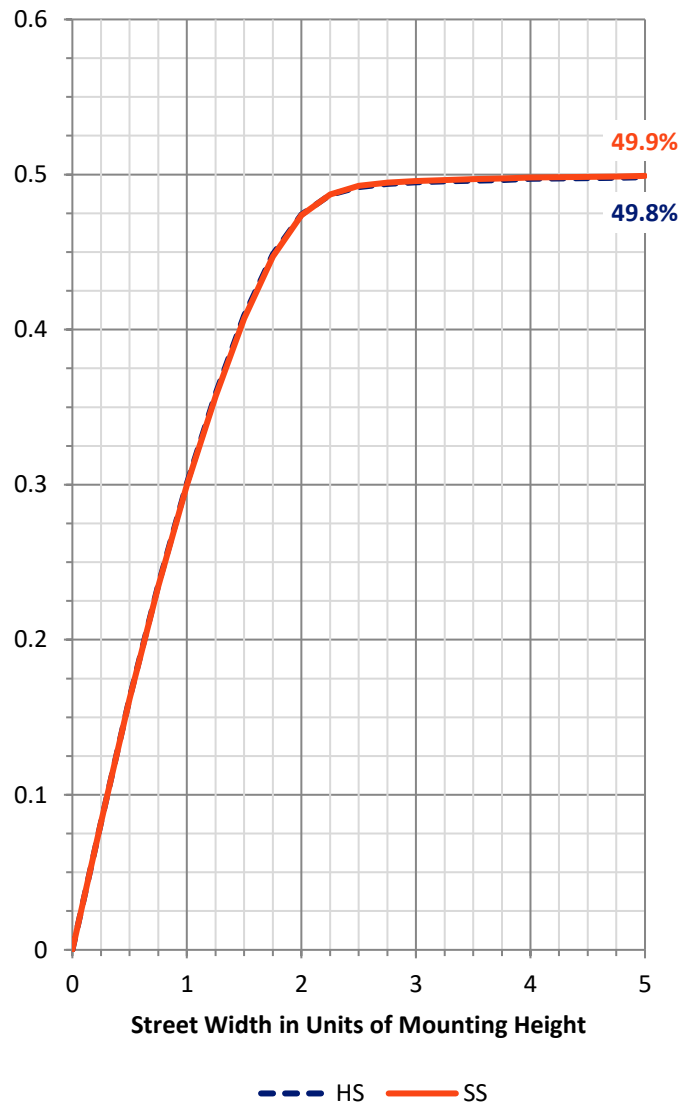
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5931.0	0.0	5931.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5931.0	0.0	5931.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11862.0	0.0	11862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.5	1.2
10°-20°	451.8	3.8
20°-30°	847.6	7.1
30°-40°	1401.7	11.8
40°-50°	2171.1	18.3
50°-60°	3329.8	28.1
60°-70°	3107.1	26.2
70°-80°	361.6	3.0
80°-90°	50.8	0.4
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°	11862.0	100.0
0°-180°	11862.0	100.0

Coefficient of Utilization



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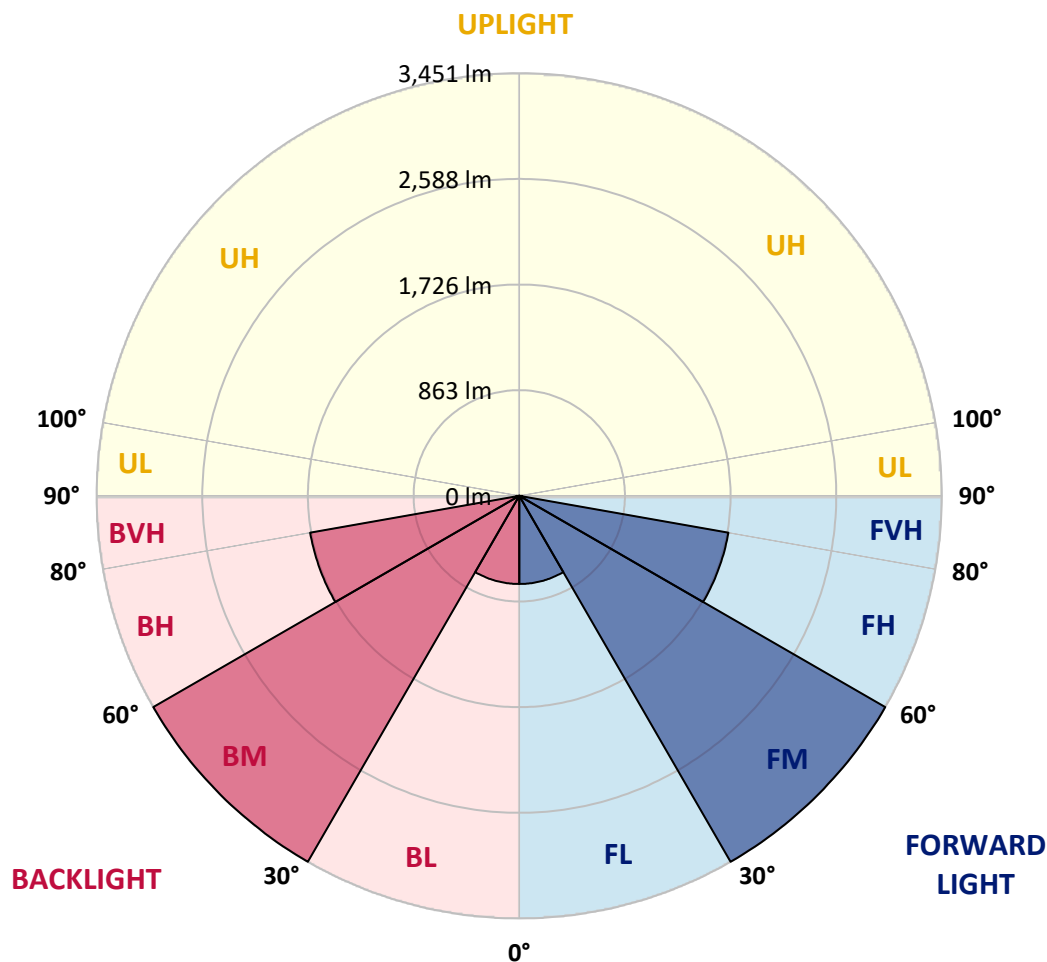
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	719.9	6.1			
FM	(30°-60°)	3451.3	29.1			
FH	(60°-80°)	1734.4	14.6			G1/1800
FVH	(80°-90°)	25.4	0.2			G1/100
BL	(0°-30°)	719.9	6.1	B2/1000		
BM	(30°-60°)	3451.3	29.1	B3/5000		
BH	(60°-80°)	1734.4	14.6	B3/2500		G1/1800
BVH	(80°-90°)	25.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1432.5	1432.5	1432.5	1432.5	1432.5	1432.5	1432.5	1432.5	1432.5	1432.5	1432.5
2.5°	1437.2	1436.4	1437.2	1437.6	1435.2	1436.4	1436.0	1438.0	1438.8	1438.0	1438.0
5°	1453.7	1452.6	1454.1	1456.1	1453.0	1453.7	1452.6	1454.9	1455.7	1454.1	1455.3
7.5°	1476.6	1477.0	1478.6	1482.1	1480.1	1481.7	1479.3	1479.7	1479.3	1477.0	1477.4
10°	1501.4	1501.8	1504.5	1509.3	1510.1	1510.1	1508.5	1507.3	1505.7	1504.2	1504.5
12.5°	1531.3	1533.3	1535.3	1541.2	1541.2	1544.3	1543.5	1540.4	1537.6	1535.3	1535.3
15°	1571.9	1571.5	1573.8	1579.8	1582.5	1587.6	1587.6	1583.3	1579.8	1577.4	1576.6
17.5°	1614.4	1615.6	1617.2	1624.2	1628.6	1634.5	1635.3	1631.7	1629.4	1626.2	1624.2
20°	1664.0	1666.0	1672.3	1675.0	1679.0	1684.5	1686.5	1685.7	1683.3	1681.7	1682.1
22.5°	1721.9	1727.0	1731.0	1734.9	1739.6	1743.6	1745.5	1748.3	1745.9	1744.7	1743.9
25°	1792.0	1795.5	1803.4	1810.5	1813.6	1814.8	1817.2	1821.1	1820.7	1818.0	1818.0
27.5°	1871.5	1878.2	1888.1	1898.3	1898.3	1894.4	1902.2	1908.9	1906.6	1903.0	1898.3
30°	1968.0	1974.3	1985.7	1999.9	1992.8	1990.0	2000.7	2012.9	2009.3	2003.4	2002.6
32.5°	2071.9	2077.9	2092.8	2108.2	2099.1	2095.2	2106.6	2124.3	2118.0	2106.2	2099.1
35°	2184.6	2190.5	2211.7	2230.2	2214.9	2208.2	2217.6	2236.9	2225.9	2203.9	2198.3
37.5°	2307.0	2310.2	2337.7	2356.6	2346.0	2328.3	2340.1	2354.3	2344.8	2318.0	2307.4
40°	2434.2	2445.6	2477.5	2499.6	2481.1	2453.1	2472.8	2492.5	2478.3	2444.0	2425.9
42.5°	2582.6	2591.3	2633.8	2653.5	2623.6	2584.2	2611.0	2637.8	2623.6	2590.5	2574.8
45°	2737.0	2750.4	2801.2	2820.9	2777.6	2727.6	2760.2	2807.1	2805.9	2758.3	2741.7
47.5°	2905.1	2918.5	2979.2	3005.2	2958.3	2891.4	2937.4	3003.6	2998.9	2946.5	2933.1
50°	3099.3	3113.4	3189.0	3221.7	3178.0	3100.0	3169.3	3227.6	3219.0	3154.4	3155.6
52.5°	3343.0	3342.2	3436.3	3493.0	3448.1	3379.2	3443.0	3499.7	3463.9	3374.5	3371.7
55°	3556.4	3569.4	3686.0	3793.5	3790.7	3764.3	3789.9	3792.3	3689.9	3571.0	3556.4
57.5°	3696.6	3721.4	3885.6	4080.1	4225.8	4260.8	4211.2	4060.8	3821.0	3630.8	3607.6
60°	3610.4	3648.2	3906.1	4302.6	4731.8	4937.7	4657.7	4191.1	3719.0	3454.0	3422.5
62.5°	3028.4	3092.2	3469.8	4195.1	5167.3	5769.3	4981.4	3982.1	3313.5	2948.4	2894.5
65°	1844.4	1911.7	2366.9	3452.9	5096.8	6427.7	4833.8	3305.2	2418.5	1964.5	1906.2
67.5°	614.7	634.3	902.5	1908.5	4005.7	5775.2	4012.4	1978.6	1052.5	697.7	677.3
70°	240.6	242.6	286.3	553.2	1891.6	3966.7	2087.3	563.1	299.3	236.6	241.8
72.5°	176.8	177.6	189.8	231.1	493.0	1747.5	510.7	232.3	184.7	165.8	165.8
75°	142.1	142.1	150.8	168.5	220.9	400.8	224.0	166.6	144.5	132.3	130.7
77.5°	112.2	114.6	121.3	132.7	149.6	192.9	155.1	131.9	116.6	105.1	102.8
80°	83.5	85.8	96.9	102.4	107.5	133.9	114.6	103.2	92.1	78.8	76.4
82.5°	54.7	57.1	70.9	74.0	72.8	87.4	77.2	76.0	67.7	50.8	48.4
85°	35.8	36.6	47.3	49.2	45.3	39.8	49.2	52.0	47.3	33.1	31.9
87.5°	16.9	16.9	24.0	22.4	20.5	16.5	22.4	26.4	26.8	16.1	15.8
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)