

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: P316716

Luminaire Tested: **GAN-SA2B-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316716
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-SA2B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10087 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

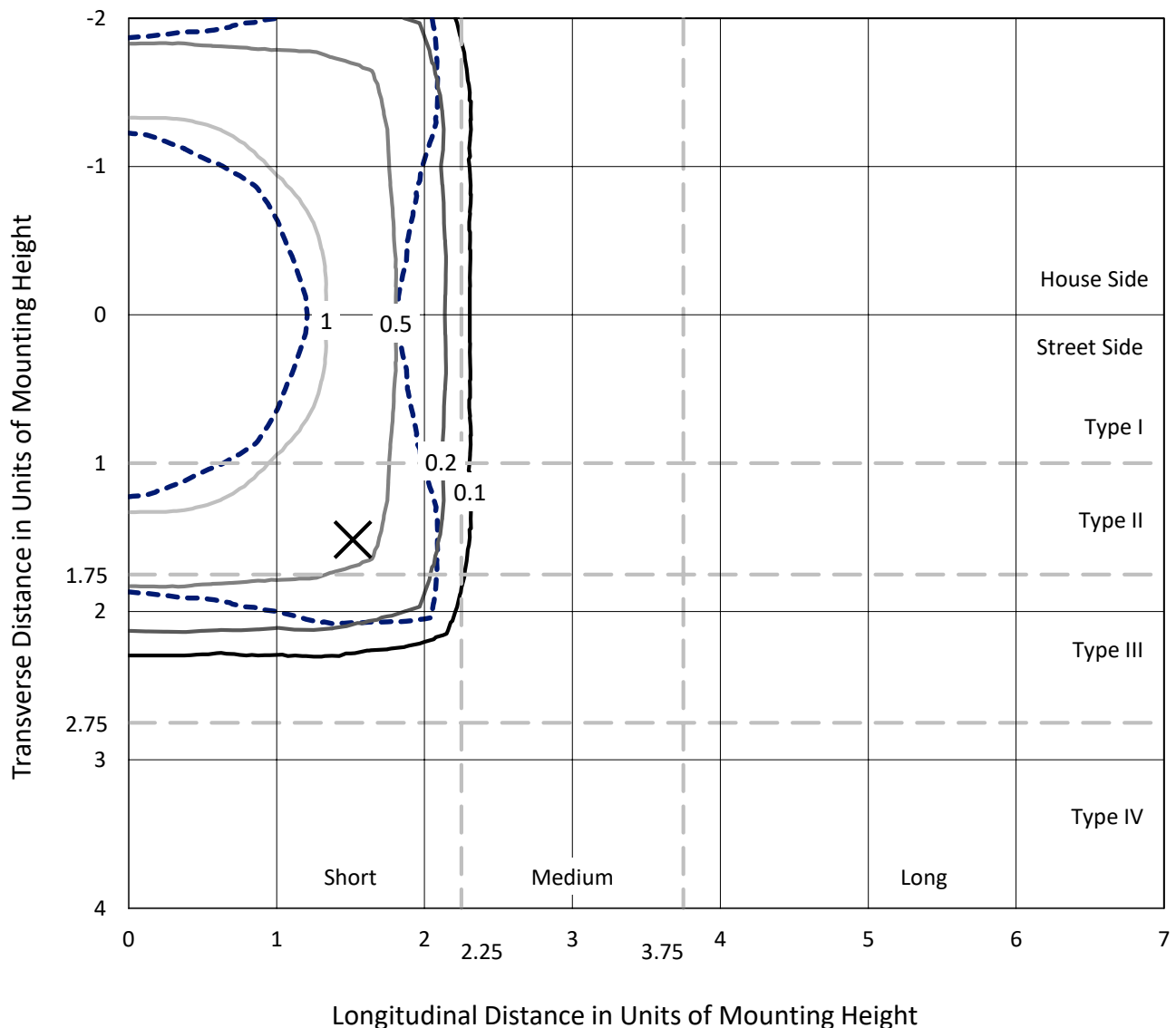
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

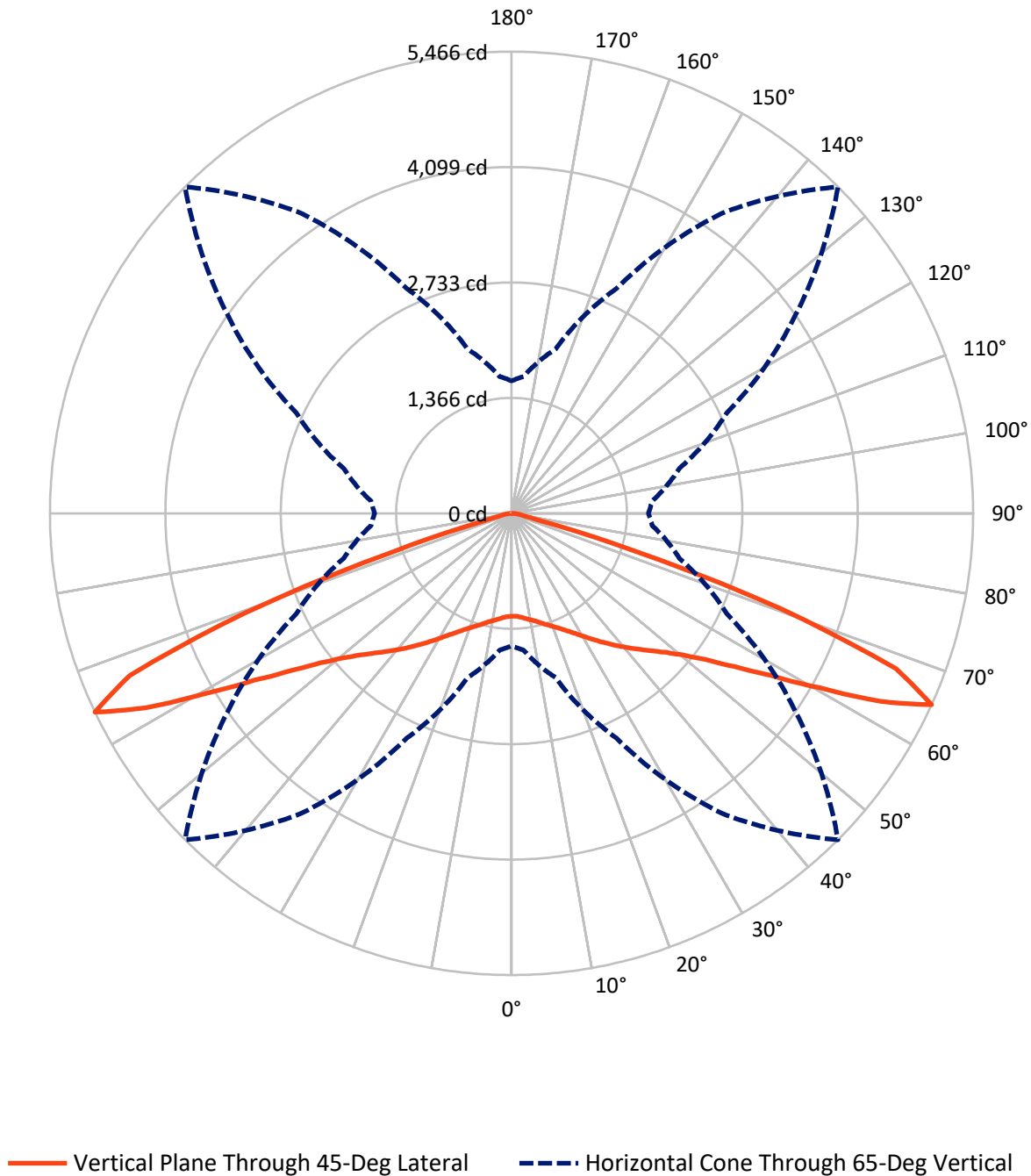
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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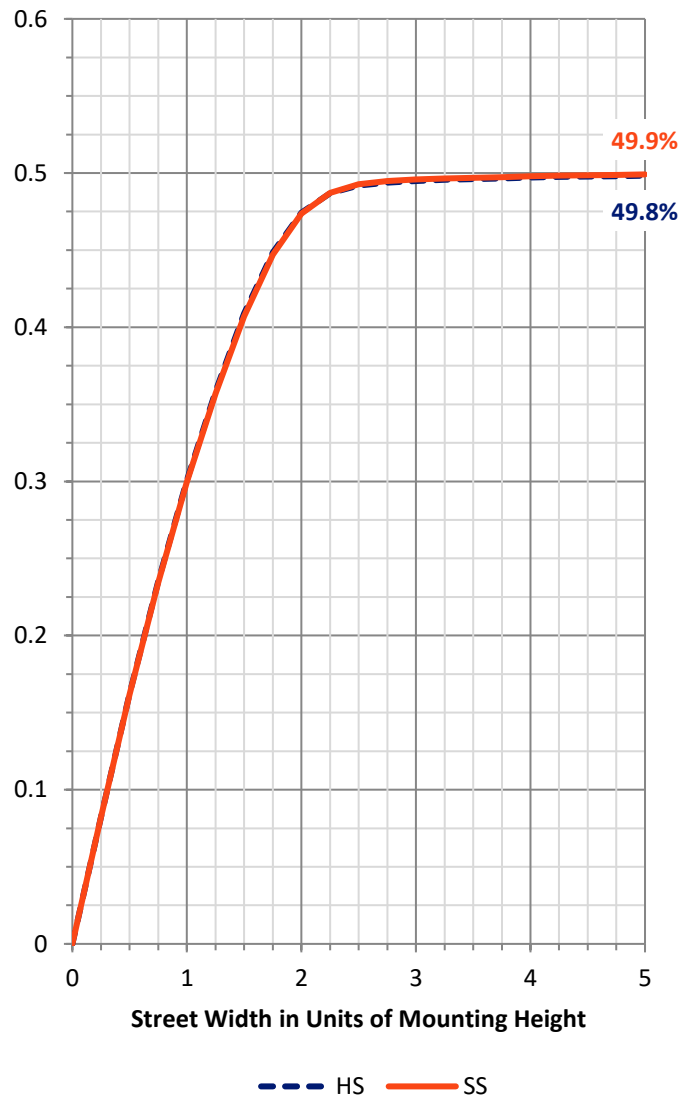
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5043.5	0.0	5043.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5043.5	0.0	5043.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10087.0	0.0	10087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	1.2
10°-20°	384.2	3.8
20°-30°	720.7	7.1
30°-40°	1192.0	11.8
40°-50°	1846.2	18.3
50°-60°	2831.6	28.1
60°-70°	2642.2	26.2
70°-80°	307.5	3.0
80°-90°	43.2	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°	10087.0	100.0
0°-180°	10087.0	100.0

Coefficient of Utilization



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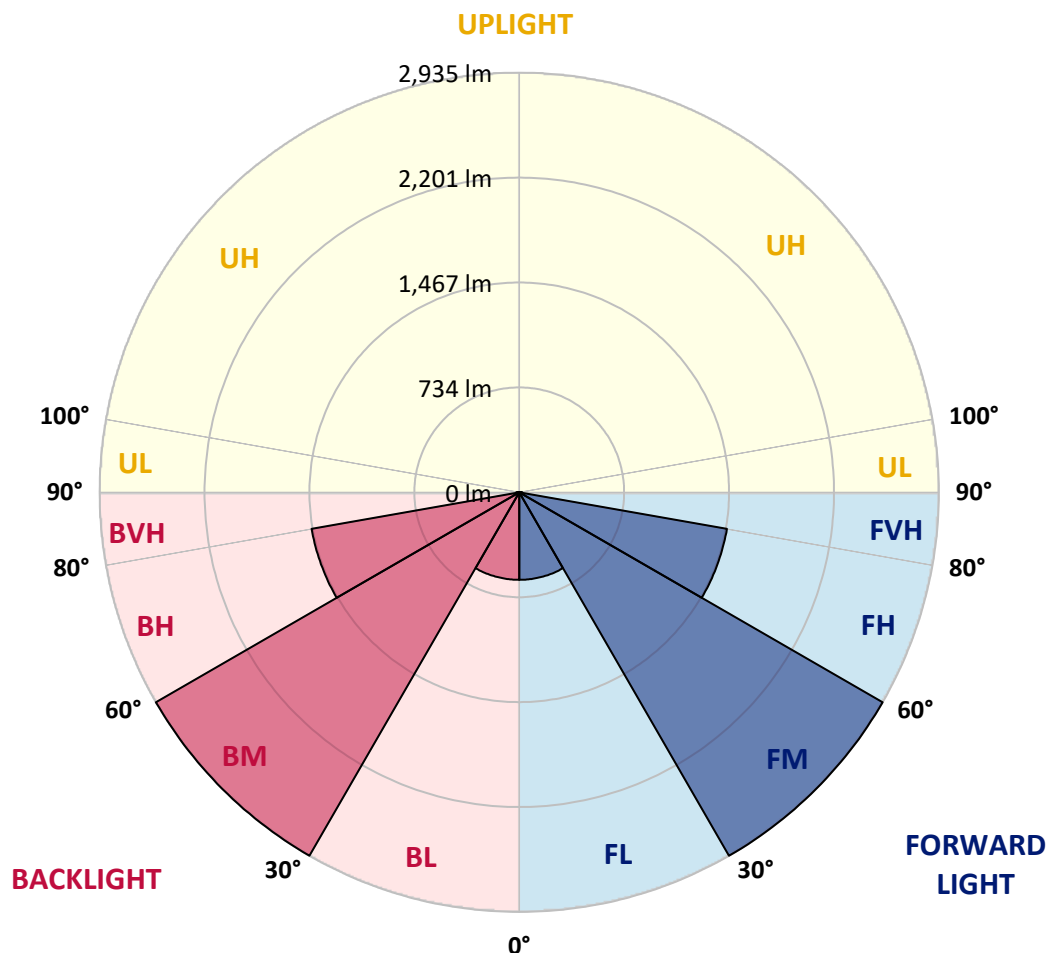
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	612.2	6.1			
FM	(30°-60°)	2934.9	29.1			
FH	(60°-80°)	1474.8	14.6			G1/1800
FVH	(80°-90°)	21.6	0.2			G1/100
BL	(0°-30°)	612.2	6.1	B2/1000		
BM	(30°-60°)	2934.9	29.1	B3/5000		
BH	(60°-80°)	1474.8	14.6	B3/2500		G1/1800
BVH	(80°-90°)	21.6	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°	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1	1218.1
2.5°	1222.2	1221.5	1222.2	1222.5	1220.5	1221.5	1221.1	1222.8	1223.5	1222.8	1222.8
5°	1236.2	1235.2	1236.5	1238.2	1235.5	1236.2	1235.2	1237.2	1237.9	1236.5	1237.6
7.5°	1255.6	1256.0	1257.3	1260.3	1258.6	1260.0	1258.0	1258.3	1258.0	1256.0	1256.3
10°	1276.7	1277.1	1279.4	1283.4	1284.1	1284.1	1282.8	1281.8	1280.4	1279.1	1279.4
12.5°	1302.2	1303.9	1305.5	1310.5	1310.5	1313.2	1312.6	1309.9	1307.5	1305.5	1305.5
15°	1336.7	1336.3	1338.3	1343.4	1345.7	1350.1	1350.1	1346.4	1343.4	1341.4	1340.7
17.5°	1372.8	1373.8	1375.2	1381.2	1384.9	1389.9	1390.6	1387.6	1385.6	1382.9	1381.2
20°	1415.0	1416.7	1422.0	1424.4	1427.7	1432.4	1434.1	1433.4	1431.4	1430.1	1430.4
22.5°	1464.2	1468.6	1471.9	1475.3	1479.3	1482.7	1484.3	1486.7	1484.7	1483.7	1483.0
25°	1523.8	1526.9	1533.5	1539.6	1542.3	1543.3	1545.3	1548.6	1548.3	1545.9	1545.9
27.5°	1591.5	1597.2	1605.5	1614.2	1614.2	1610.9	1617.6	1623.3	1621.3	1618.3	1614.2
30°	1673.5	1678.9	1688.6	1700.6	1694.6	1692.3	1701.3	1711.7	1708.7	1703.6	1703.0
32.5°	1761.9	1766.9	1779.7	1792.7	1785.0	1781.7	1791.4	1806.4	1801.1	1791.0	1785.0
35°	1857.7	1862.7	1880.8	1896.5	1883.5	1877.8	1885.8	1902.2	1892.8	1874.1	1869.4
37.5°	1961.8	1964.5	1987.9	2004.0	1995.0	1979.9	1989.9	2002.0	1993.9	1971.2	1962.1
40°	2070.0	2079.7	2106.8	2125.5	2109.8	2086.0	2102.8	2119.5	2107.5	2078.3	2062.9
42.5°	2196.2	2203.6	2239.7	2256.5	2231.0	2197.5	2220.3	2243.1	2231.0	2202.9	2189.5
45°	2327.4	2338.8	2382.0	2398.8	2361.9	2319.4	2347.2	2387.0	2386.0	2345.5	2331.5
47.5°	2470.4	2481.8	2533.4	2555.5	2515.6	2458.7	2497.9	2554.1	2550.1	2505.6	2494.2
50°	2635.5	2647.5	2711.8	2739.6	2702.5	2636.2	2695.1	2744.6	2737.3	2682.4	2683.4
52.5°	2842.8	2842.1	2922.1	2970.3	2932.2	2873.6	2927.8	2976.0	2945.6	2869.5	2867.2
55°	3024.2	3035.3	3134.4	3225.8	3223.5	3201.0	3222.8	3224.8	3137.7	3036.6	3024.2
57.5°	3143.4	3164.5	3304.2	3469.6	3593.5	3623.3	3581.1	3453.2	3249.2	3087.5	3067.8
60°	3070.1	3102.3	3321.6	3658.8	4023.7	4198.8	3960.8	3564.0	3162.5	2937.2	2910.4
62.5°	2575.2	2629.5	2950.6	3567.3	4394.1	4906.0	4236.0	3386.2	2817.6	2507.3	2461.4
65°	1568.4	1625.6	2012.7	2936.2	4334.1	5465.9	4110.4	2810.6	2056.6	1670.5	1620.9
67.5°	522.7	539.4	767.4	1622.9	3406.3	4911.0	3412.0	1682.6	895.0	593.3	575.9
70°	204.6	206.3	243.4	470.4	1608.6	3373.1	1775.0	478.8	254.5	201.2	205.6
72.5°	150.3	151.0	161.4	196.5	419.2	1486.0	434.3	197.6	157.0	141.0	141.0
75°	120.9	120.9	128.2	143.3	187.8	340.9	190.5	141.6	122.9	112.5	111.2
77.5°	95.4	97.4	103.1	112.8	127.2	164.1	131.9	112.2	99.1	89.4	87.4
80°	71.0	73.0	82.4	87.1	91.4	113.8	97.4	87.7	78.4	67.0	65.0
82.5°	46.5	48.6	60.3	62.9	61.9	74.3	65.6	64.6	57.6	43.2	41.2
85°	30.5	31.1	40.2	41.9	38.5	33.8	41.9	44.2	40.2	28.1	27.1
87.5°	14.4	14.4	20.4	19.1	17.4	14.1	19.1	22.4	22.8	13.7	13.4
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)