

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: P316926

Luminaire Tested: **GAN-SA2C-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316926
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-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 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: 10974 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

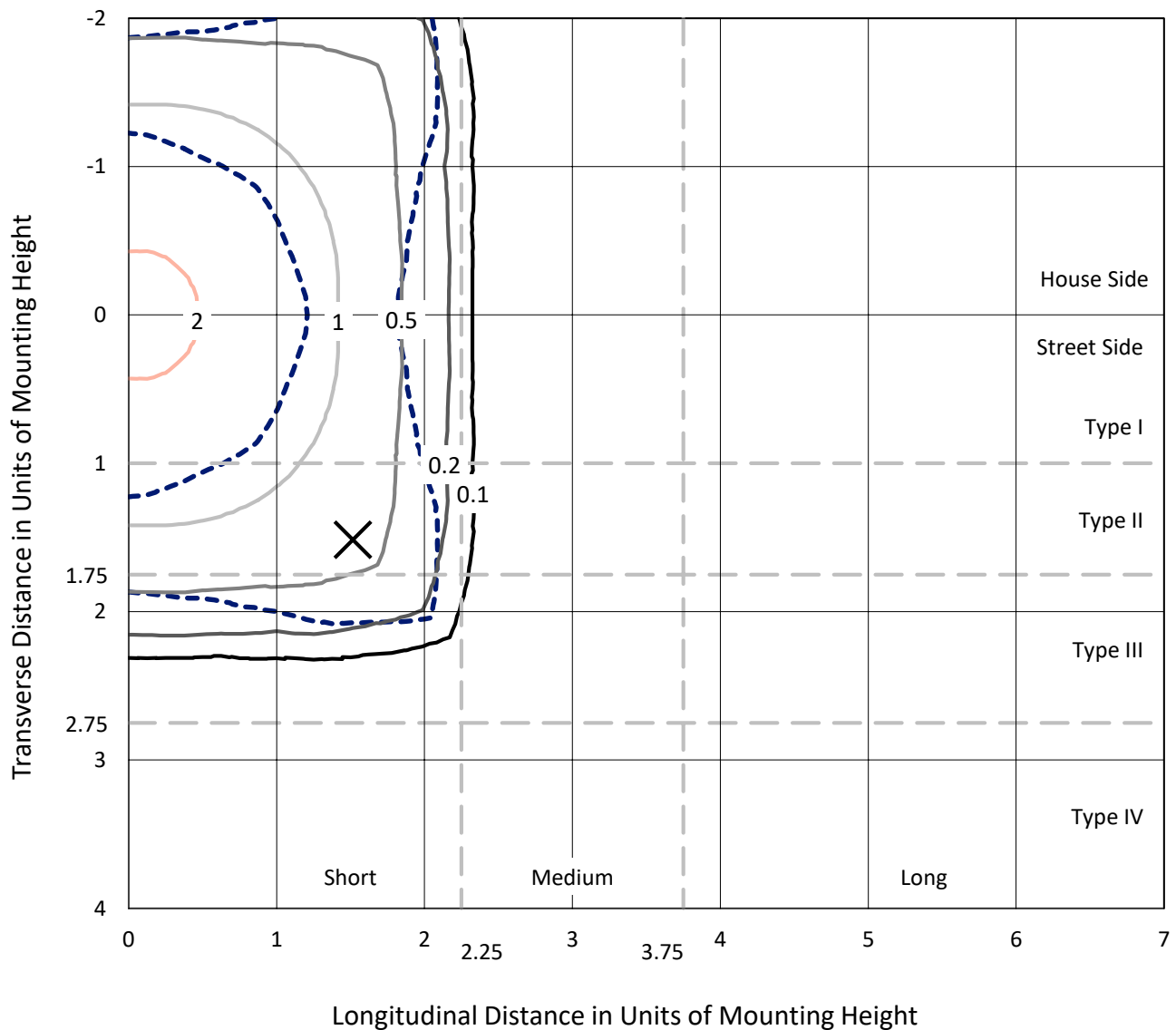
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

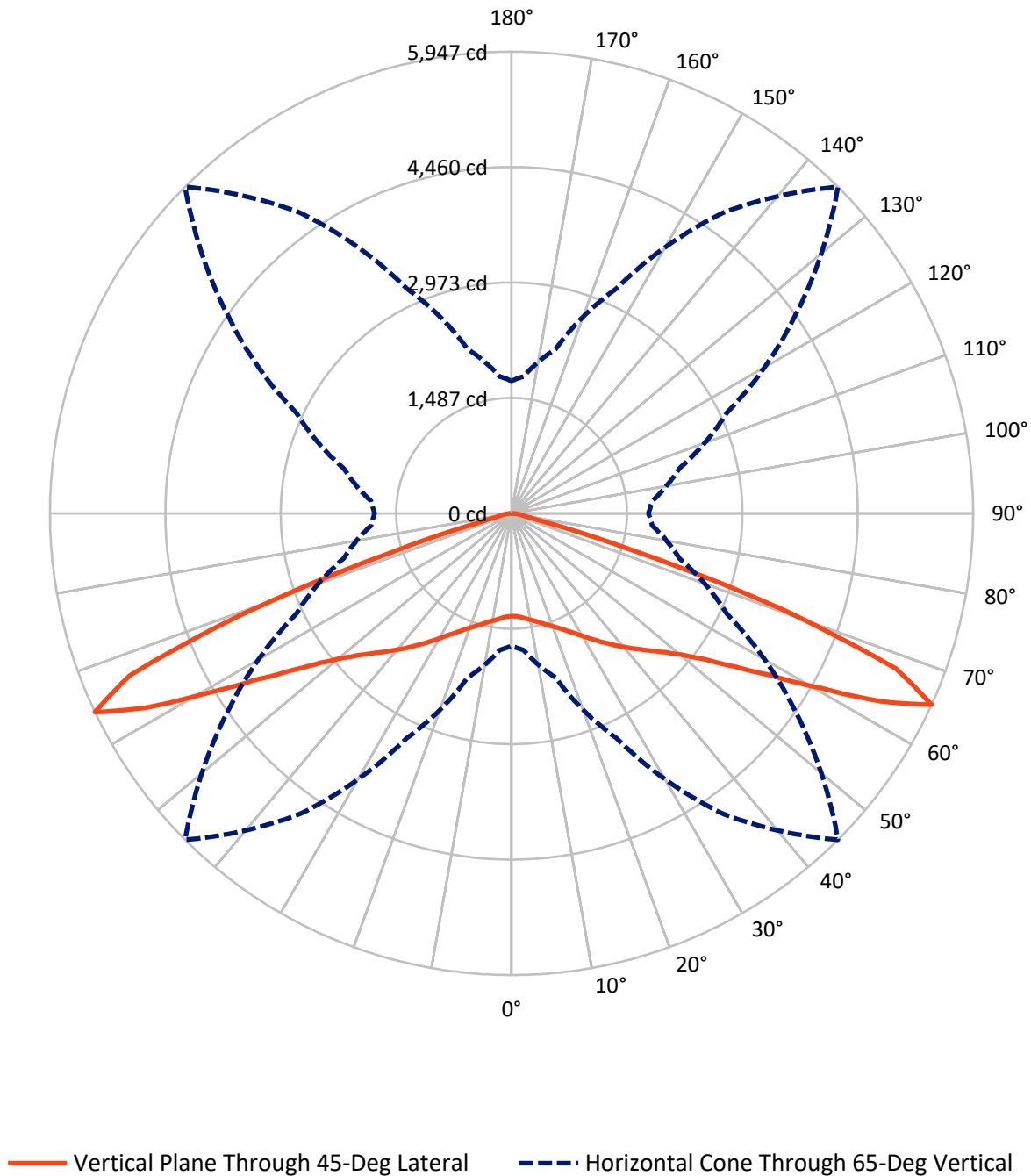
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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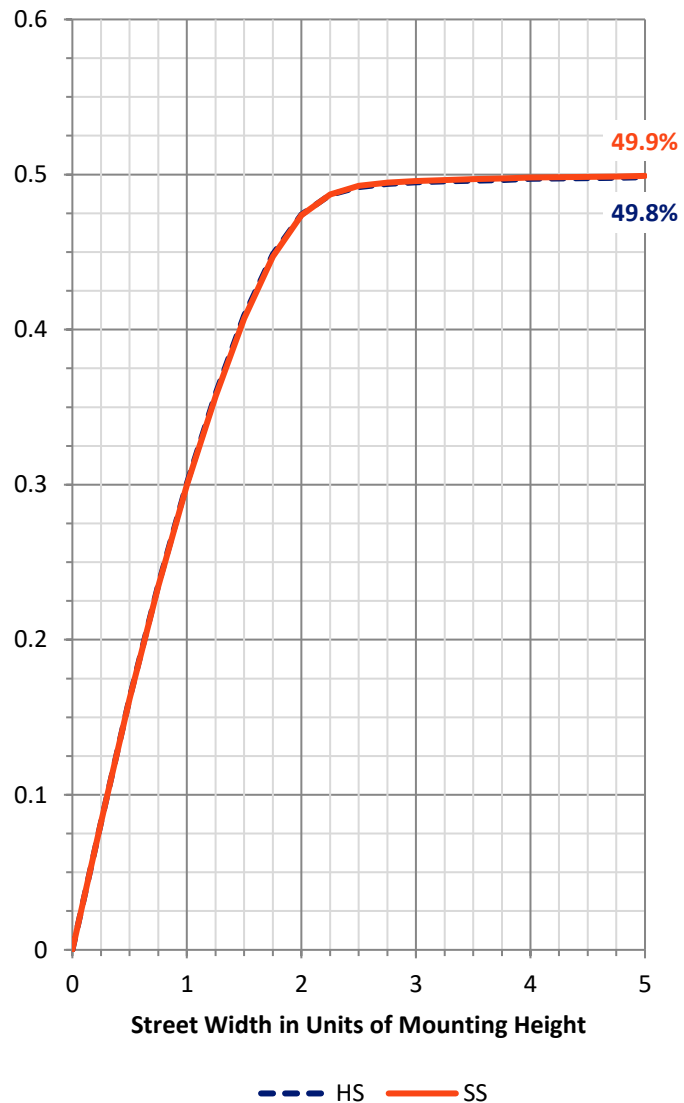
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5487.0	0.0	5487.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5487.0	0.0	5487.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10974.0	0.0	10974.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	1.2
10°-20°	417.9	3.8
20°-30°	784.1	7.1
30°-40°	1296.8	11.8
40°-50°	2008.5	18.3
50°-60°	3080.5	28.1
60°-70°	2874.5	26.2
70°-80°	334.5	3.0
80°-90°	47.0	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°	10974.0	100.0
0°-180°	10974.0	100.0

Coefficient of Utilization



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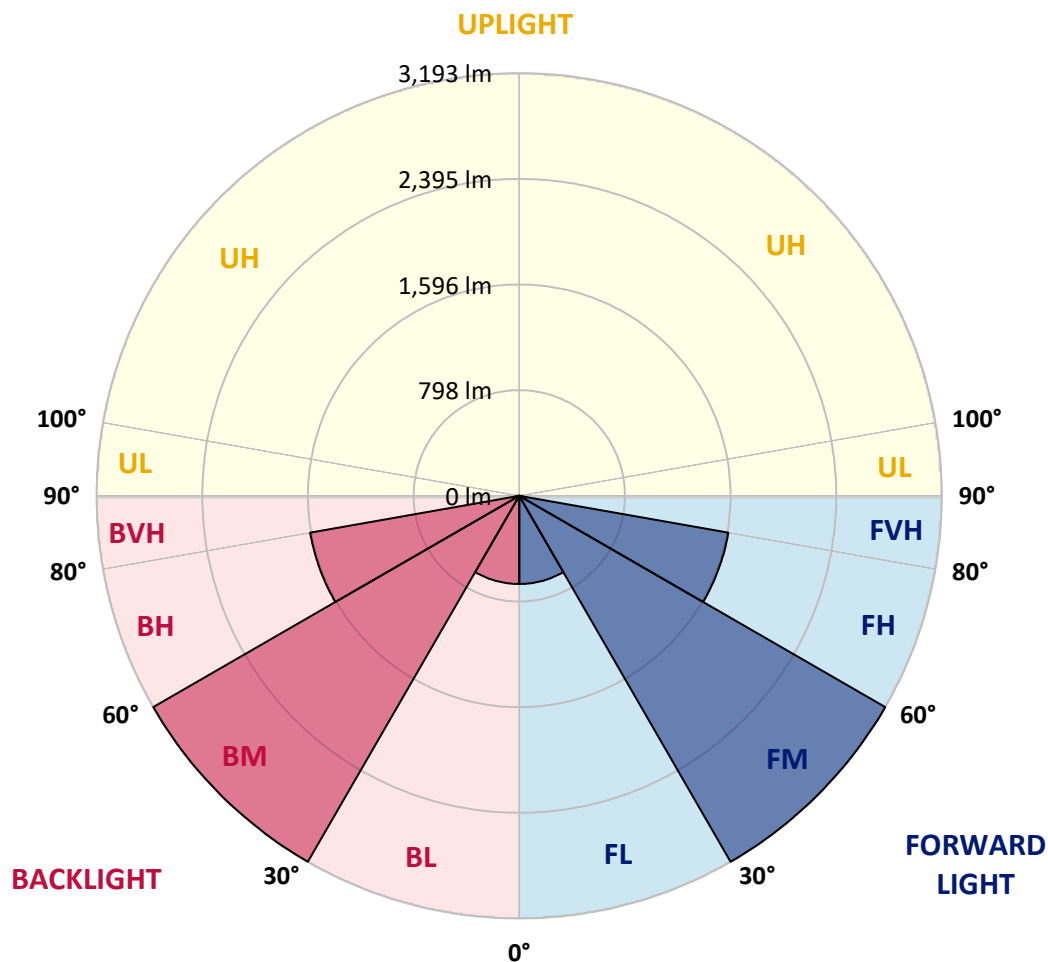
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	666.0	6.1			
FM	(30°-60°)	3192.9	29.1			
FH	(60°-80°)	1604.5	14.6			G1/1800
FVH	(80°-90°)	23.5	0.2			G1/100
BL	(0°-30°)	666.0	6.1	B2/1000		
BM	(30°-60°)	3192.9	29.1	B3/5000		
BH	(60°-80°)	1604.5	14.6	B3/2500		G1/1800
BVH	(80°-90°)	23.5	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°	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2	1325.2
2.5°	1329.6	1328.9	1329.6	1330.0	1327.8	1328.9	1328.5	1330.3	1331.1	1330.3	1330.3
5°	1344.9	1343.8	1345.3	1347.1	1344.2	1344.9	1343.8	1346.0	1346.7	1345.3	1346.4
7.5°	1366.0	1366.4	1367.9	1371.1	1369.3	1370.8	1368.6	1369.0	1368.6	1366.4	1366.8
10°	1389.0	1389.4	1391.9	1396.3	1397.0	1397.0	1395.6	1394.5	1393.0	1391.5	1391.9
12.5°	1416.7	1418.5	1420.3	1425.8	1425.8	1428.7	1428.0	1425.1	1422.5	1420.3	1420.3
15°	1454.2	1453.8	1456.0	1461.5	1464.0	1468.8	1468.8	1464.8	1461.5	1459.3	1458.6
17.5°	1493.5	1494.6	1496.1	1502.7	1506.7	1512.1	1512.9	1509.6	1507.4	1504.5	1502.7
20°	1539.4	1541.3	1547.1	1549.6	1553.3	1558.4	1560.2	1559.5	1557.3	1555.8	1556.2
22.5°	1593.0	1597.7	1601.4	1605.0	1609.4	1613.0	1614.9	1617.4	1615.2	1614.1	1613.4
25°	1657.8	1661.1	1668.4	1675.0	1677.9	1679.0	1681.2	1684.8	1684.4	1681.9	1681.9
27.5°	1731.4	1737.6	1746.7	1756.2	1756.2	1752.5	1759.8	1766.0	1763.8	1760.6	1756.2
30°	1820.7	1826.5	1837.1	1850.2	1843.6	1841.1	1850.9	1862.2	1858.9	1853.5	1852.7
32.5°	1916.8	1922.3	1936.1	1950.4	1942.0	1938.3	1948.9	1965.3	1959.5	1948.5	1942.0
35°	2021.0	2026.5	2046.2	2063.3	2049.1	2042.9	2051.6	2069.5	2059.3	2038.9	2033.8
37.5°	2134.3	2137.2	2162.7	2180.2	2170.4	2154.0	2164.9	2178.0	2169.3	2144.5	2134.7
40°	2252.0	2262.5	2292.0	2312.4	2295.3	2269.5	2287.7	2305.9	2292.8	2261.1	2244.3
42.5°	2389.3	2397.3	2436.7	2454.9	2427.2	2390.8	2415.5	2440.3	2427.2	2396.6	2382.0
45°	2532.1	2544.5	2591.5	2609.7	2569.6	2523.4	2553.6	2596.9	2595.9	2551.8	2536.5
47.5°	2687.7	2700.0	2756.1	2780.2	2736.8	2674.9	2717.5	2778.7	2774.4	2725.9	2713.5
50°	2867.2	2880.4	2950.3	2980.5	2940.1	2868.0	2932.1	2986.0	2978.0	2918.2	2919.3
52.5°	3092.7	3092.0	3179.1	3231.5	3190.0	3126.2	3185.3	3237.7	3204.6	3121.9	3119.3
55°	3290.2	3302.2	3410.0	3509.5	3506.9	3482.5	3506.2	3508.4	3413.7	3303.7	3290.2
57.5°	3419.9	3442.8	3594.7	3774.7	3909.4	3941.9	3896.0	3756.8	3535.0	3359.0	3337.5
60°	3340.1	3375.1	3613.7	3980.5	4377.5	4568.1	4309.1	3877.4	3440.6	3195.5	3166.3
62.5°	2801.7	2860.7	3210.0	3881.0	4780.4	5337.4	4608.5	3684.0	3065.4	2727.7	2677.8
65°	1706.3	1768.6	2189.7	3194.4	4715.2	5946.5	4471.9	3057.8	2237.4	1817.4	1763.5
67.5°	568.6	586.9	834.9	1765.7	3705.8	5342.9	3712.0	1830.5	973.7	645.5	626.6
70°	222.6	224.4	264.8	511.8	1750.0	3669.8	1931.0	520.9	276.9	218.9	223.7
72.5°	163.6	164.3	175.6	213.8	456.1	1616.7	472.5	214.9	170.8	153.4	153.4
75°	131.5	131.5	139.5	155.9	204.4	370.8	207.3	154.1	133.7	122.4	120.9
77.5°	103.8	106.0	112.2	122.8	138.4	178.5	143.5	122.0	107.8	97.3	95.1
80°	77.2	79.4	89.6	94.7	99.4	123.9	106.0	95.4	85.2	72.9	70.7
82.5°	50.6	52.8	65.6	68.5	67.4	80.9	71.4	70.3	62.7	47.0	44.8
85°	33.1	33.9	43.7	45.5	41.9	36.8	45.5	48.1	43.7	30.6	29.5
87.5°	15.7	15.7	22.2	20.8	18.9	15.3	20.8	24.4	24.8	14.9	14.6
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)