

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: P316397

Luminaire Tested: **GAN-SA3B-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316397
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-SA3B-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15327 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 124
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

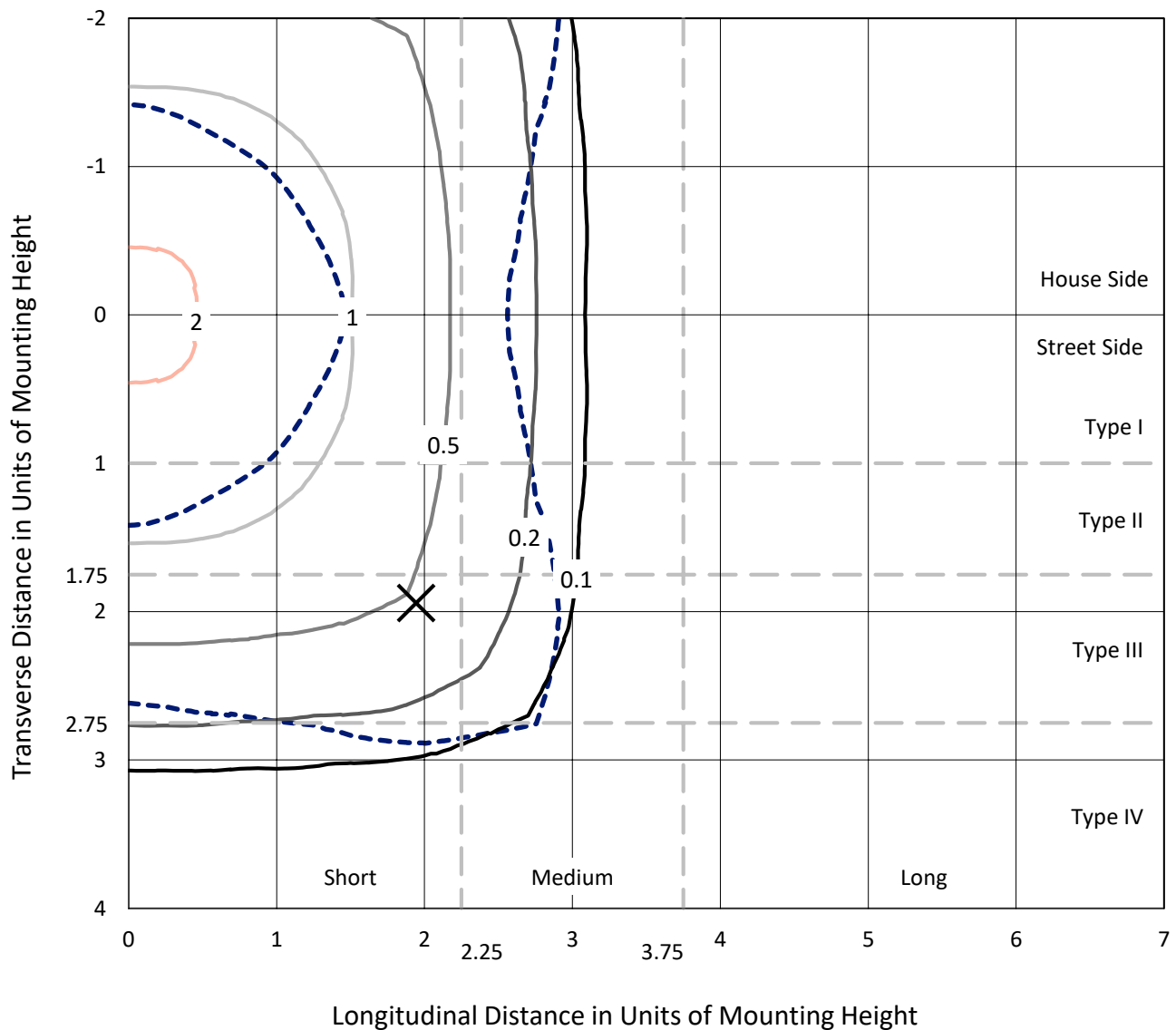


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Iso-Footcandle Lines of Horizontal Illumination

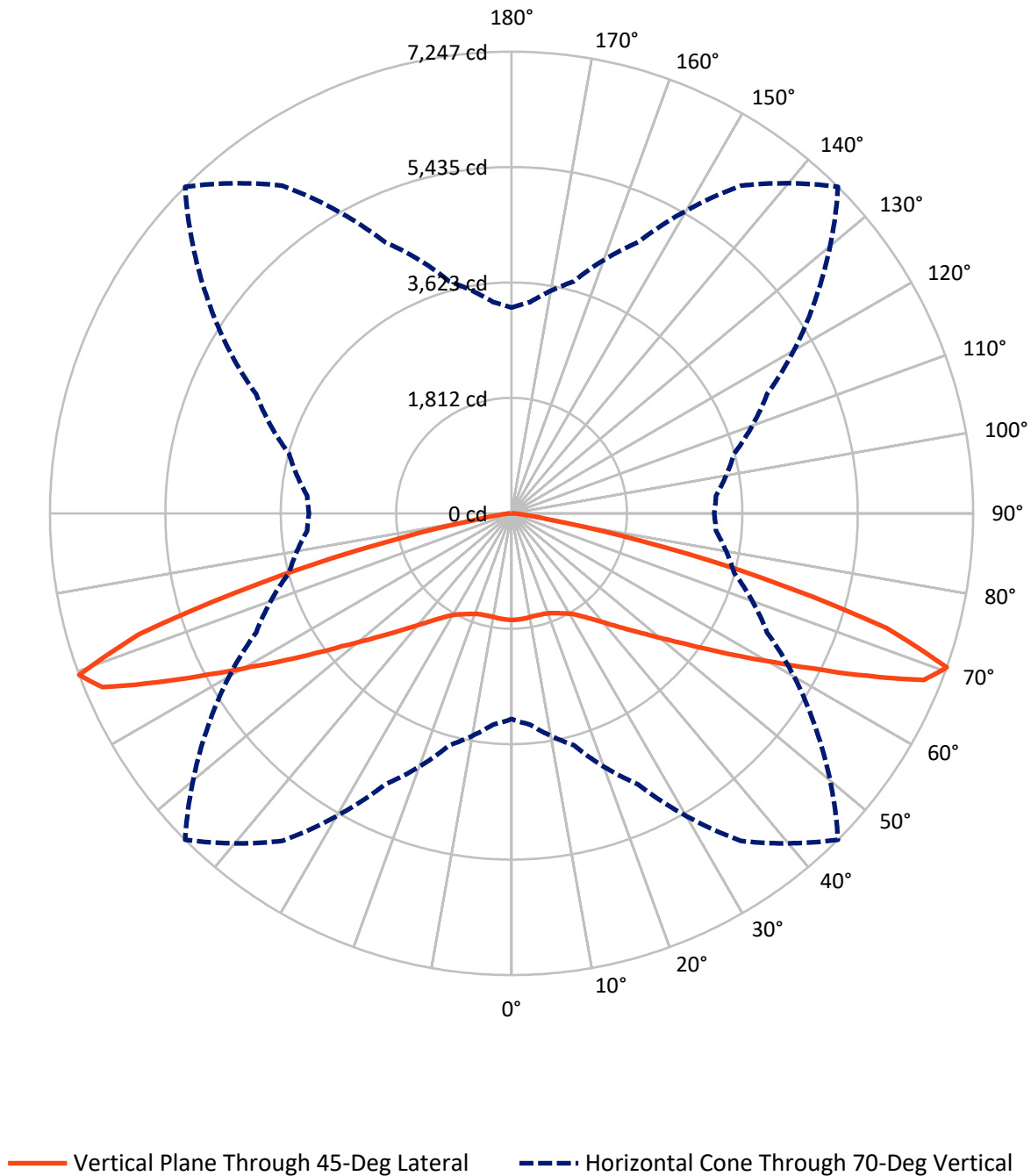
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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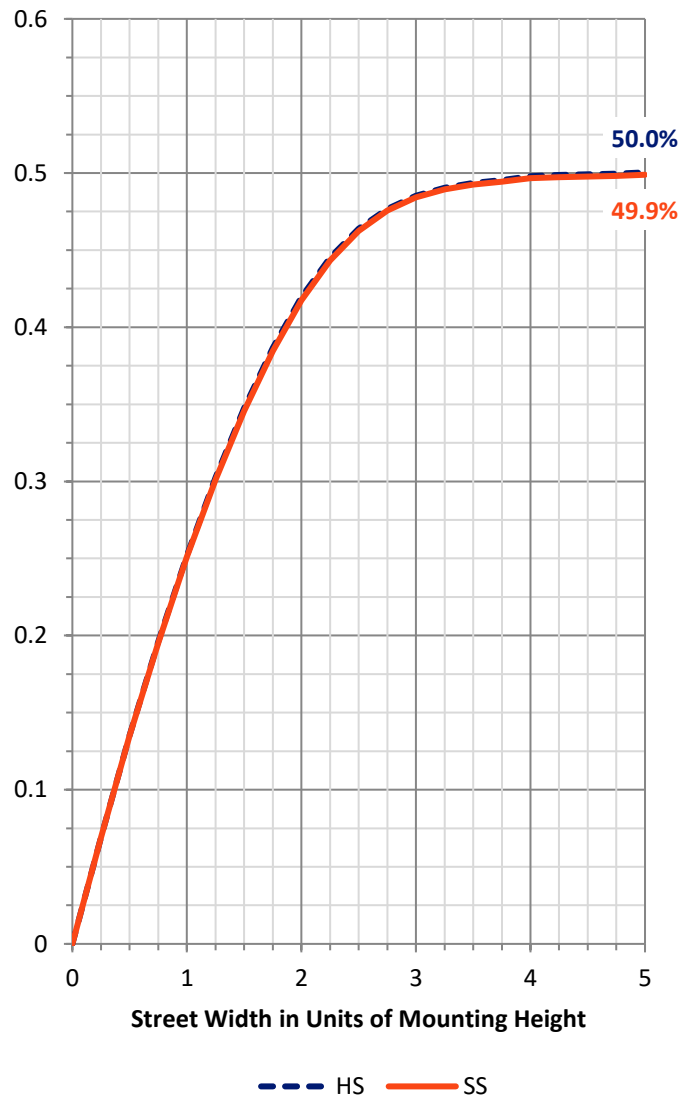
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7663.5	0.0	7663.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7663.5	0.0	7663.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15327.0	0.0	15327.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	1.0
10°-20°	465.4	3.0
20°-30°	792.3	5.2
30°-40°	1256.6	8.2
40°-50°	2044.9	13.3
50°-60°	3371.7	22.0
60°-70°	4949.7	32.3
70°-80°	2188.7	14.3
80°-90°	99.1	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°	15327.0	100.0
0°-180°	15327.0	100.0

Coefficient of Utilization



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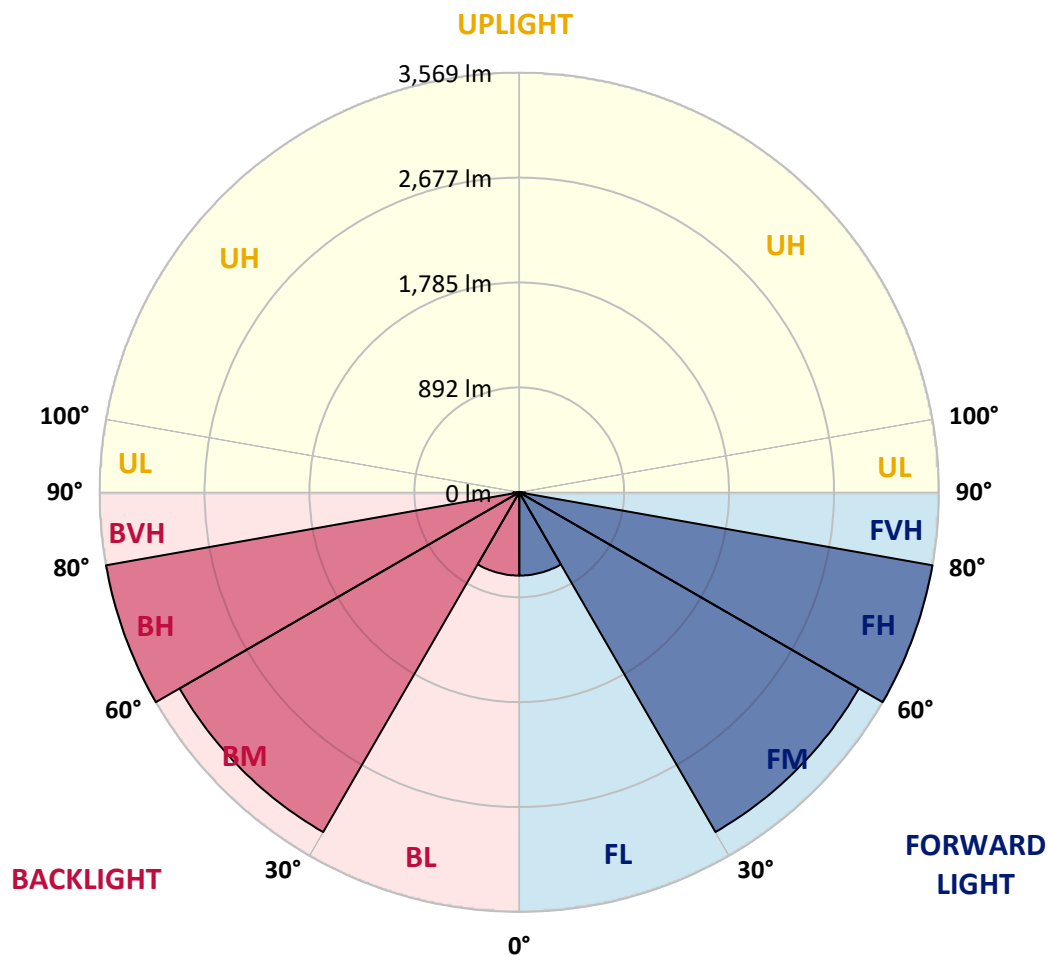
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.1	4.6			
FM	(30°-60°)	3336.6	21.8			
FH	(60°-80°)	3569.2	23.3			G2/5000
FVH	(80°-90°)	49.6	0.3			G1/100
BL	(0°-30°)	708.1	4.6	B2/1000		
BM	(30°-60°)	3336.6	21.8	B3/5000		
BH	(60°-80°)	3569.2	23.3	B4/5000		G2/5000
BVH	(80°-90°)	49.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1673.9	1673.9	1673.9	1673.9	1673.9	1673.9	1673.9	1673.9	1673.9	1673.9	1673.9
2.5°	1671.4	1669.9	1673.4	1672.9	1669.9	1670.4	1670.4	1671.9	1671.9	1670.9	1670.9
5°	1665.3	1664.3	1668.4	1668.4	1665.3	1666.3	1667.4	1668.9	1668.4	1667.4	1666.8
7.5°	1657.7	1657.2	1661.3	1661.3	1659.2	1660.3	1659.2	1659.7	1658.7	1657.7	1656.2
10°	1645.0	1646.0	1649.6	1650.6	1650.6	1651.1	1650.1	1647.6	1646.0	1644.5	1643.0
12.5°	1633.4	1632.9	1637.9	1640.5	1644.5	1649.1	1646.0	1638.9	1635.9	1632.9	1631.8
15°	1625.8	1626.3	1631.3	1635.9	1643.0	1652.6	1649.1	1637.9	1631.8	1628.3	1627.3
17.5°	1624.2	1625.3	1631.8	1640.0	1647.6	1658.2	1656.2	1645.0	1634.9	1628.3	1626.8
20°	1627.8	1628.3	1638.4	1650.1	1663.3	1673.4	1668.9	1656.7	1643.0	1632.9	1630.3
22.5°	1634.4	1636.4	1649.1	1667.4	1687.6	1701.3	1695.8	1675.0	1653.7	1641.0	1637.4
25°	1655.2	1655.7	1672.9	1697.8	1722.1	1737.9	1731.3	1701.8	1674.5	1660.3	1655.7
27.5°	1698.3	1699.8	1717.1	1746.0	1766.8	1776.9	1772.9	1749.0	1725.7	1710.5	1712.0
30°	1760.7	1762.7	1782.0	1813.9	1826.6	1829.2	1828.2	1817.0	1795.7	1775.4	1776.9
32.5°	1836.8	1837.8	1863.7	1892.6	1902.7	1904.7	1902.7	1892.6	1867.2	1839.8	1841.3
35°	1934.7	1937.7	1962.6	1990.5	1998.6	2002.6	1999.1	1985.9	1959.5	1932.6	1931.6
37.5°	2055.4	2055.9	2081.8	2110.7	2120.8	2121.9	2117.8	2109.2	2076.2	2051.9	2050.3
40°	2195.4	2197.4	2227.9	2258.8	2262.9	2258.3	2263.9	2258.8	2224.8	2196.9	2201.5
42.5°	2365.8	2370.4	2406.9	2437.4	2425.7	2423.2	2426.7	2428.2	2400.8	2366.9	2363.8
45°	2564.2	2568.2	2613.9	2638.2	2630.6	2613.9	2621.0	2633.2	2595.1	2553.0	2557.1
47.5°	2790.4	2800.6	2849.3	2872.1	2853.3	2830.5	2844.2	2862.4	2817.8	2765.6	2763.0
50°	3042.0	3054.7	3119.6	3151.6	3132.8	3090.7	3113.5	3125.7	3061.3	2993.8	2988.2
52.5°	3310.4	3323.0	3404.7	3470.6	3458.5	3393.0	3425.0	3412.3	3338.3	3247.5	3240.4
55°	3614.2	3619.3	3707.5	3814.1	3826.2	3778.0	3776.0	3755.2	3645.7	3540.7	3535.6
57.5°	3926.7	3930.2	4044.4	4170.2	4227.5	4227.5	4170.7	4126.5	3981.0	3859.2	3846.5
60°	4264.0	4276.7	4403.0	4573.9	4707.8	4747.4	4647.0	4526.8	4368.5	4219.9	4205.2
62.5°	4564.3	4579.0	4772.3	5026.9	5242.0	5386.1	5140.5	4944.7	4656.6	4418.2	4390.3
65°	4602.3	4641.9	4923.4	5384.5	5865.9	6153.5	5682.8	5200.4	4675.4	4344.1	4315.7
67.5°	4203.1	4270.1	4650.5	5368.3	6363.0	6980.4	6029.3	5054.3	4338.6	3972.3	3940.9
70°	3229.7	3327.1	3765.9	4695.7	6277.3	7246.7	5812.1	4424.8	3617.2	3223.1	3179.0
72.5°	1771.8	1811.9	2206.6	3215.5	5032.5	6158.1	4847.9	3271.8	2398.8	1951.9	1877.9
75°	562.0	576.2	777.1	1315.8	2846.7	4078.9	3079.6	1606.0	884.1	651.8	644.2
77.5°	249.6	251.1	281.0	384.0	980.5	2066.6	1177.8	437.3	301.3	263.3	271.9
80°	157.8	157.8	174.0	190.2	266.8	600.1	318.6	208.0	177.5	164.9	168.4
82.5°	75.6	83.7	113.1	121.7	146.6	201.9	163.3	135.9	118.7	88.3	82.2
85°	49.7	41.6	71.5	80.7	85.2	96.9	94.9	89.8	77.6	44.1	49.2
87.5°	22.3	21.3	37.0	34.0	32.0	24.3	36.5	45.1	43.6	21.8	21.8
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)