

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209335

Luminaire Tested: UPW-SA2-110-750-U-5WQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-750-U-5WQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15548 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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: 28.75 FT



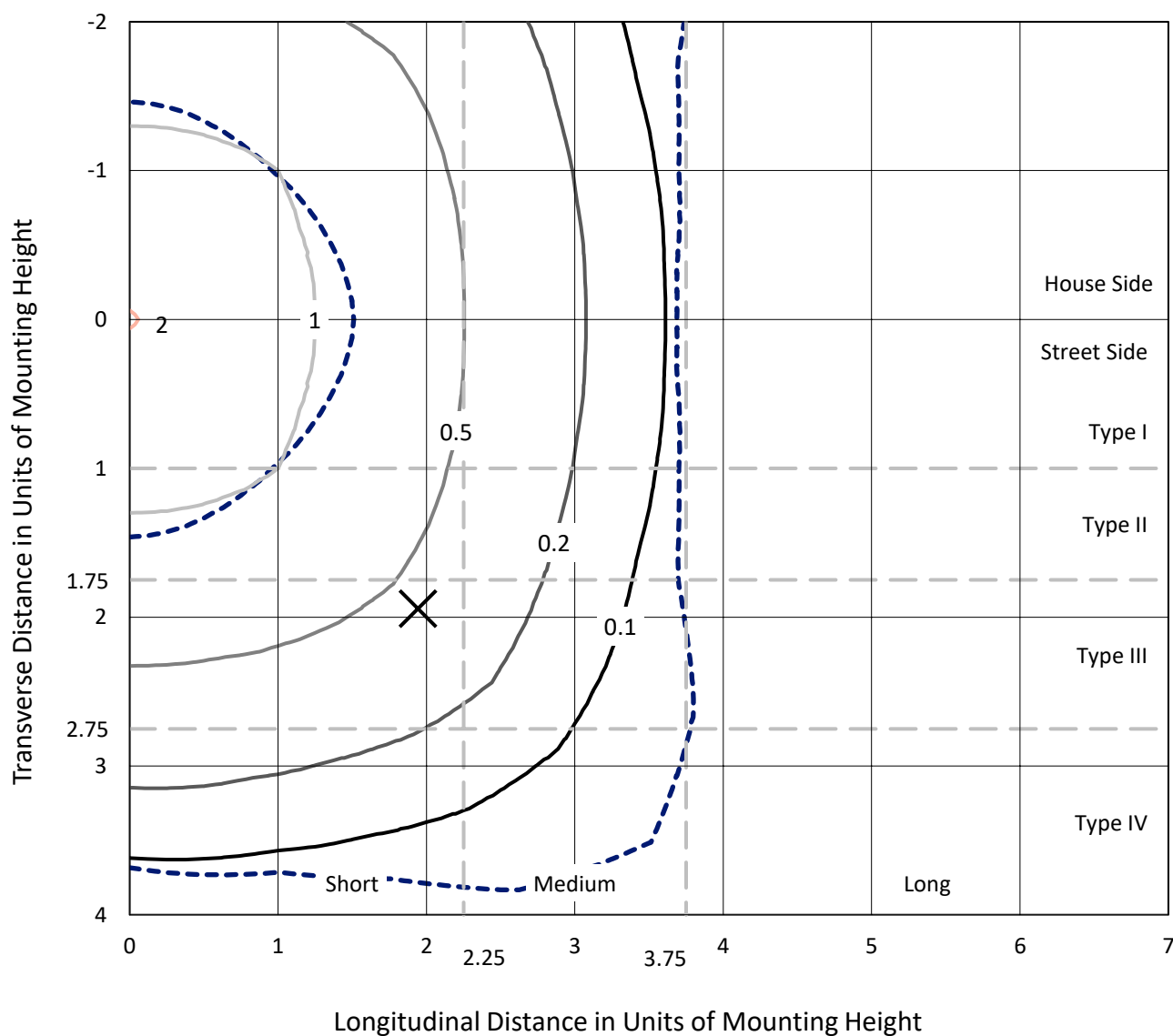
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



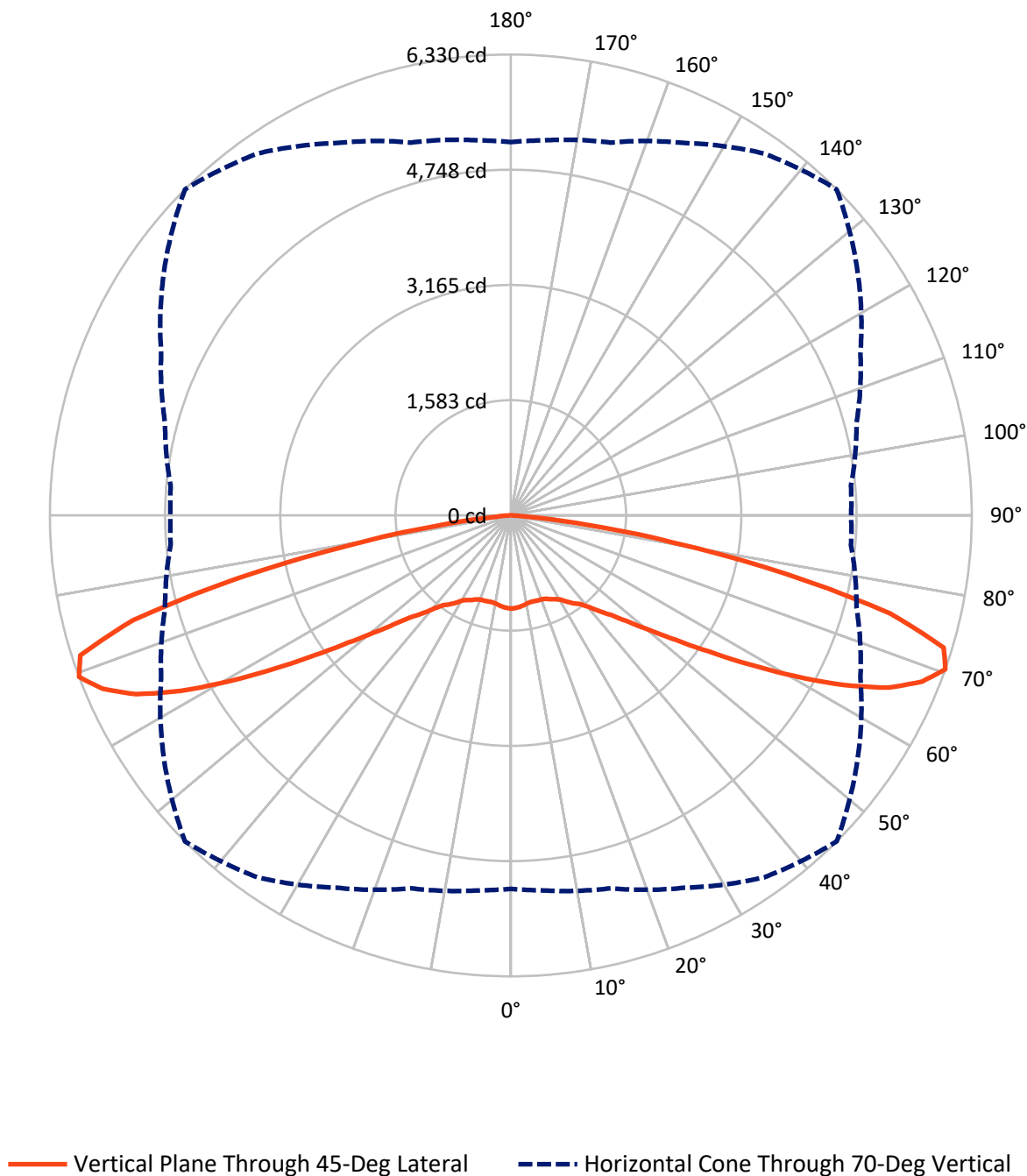
Based on 25 foot mounting height. Maximum calculated value = 2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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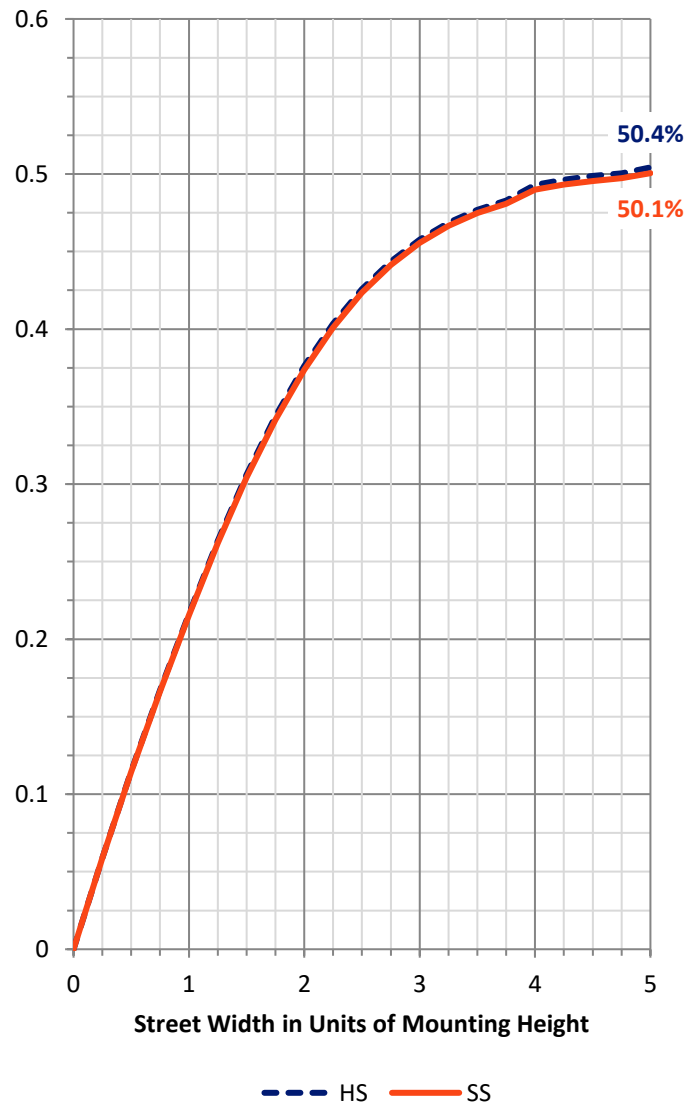
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7774.0	0.0	7774.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7774.0	0.0	7774.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15548.0	0.0	15548.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	0.8
10°-20°	348.9	2.2
20°-30°	594.8	3.8
30°-40°	929.4	6.0
40°-50°	1575.1	10.1
50°-60°	2872.3	18.5
60°-70°	4944.8	31.8
70°-80°	3875.9	24.9
80°-90°	287.4	1.8
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°	15548.0	100.0
0°-180°	15548.0	100.0

Coefficient of Utilization



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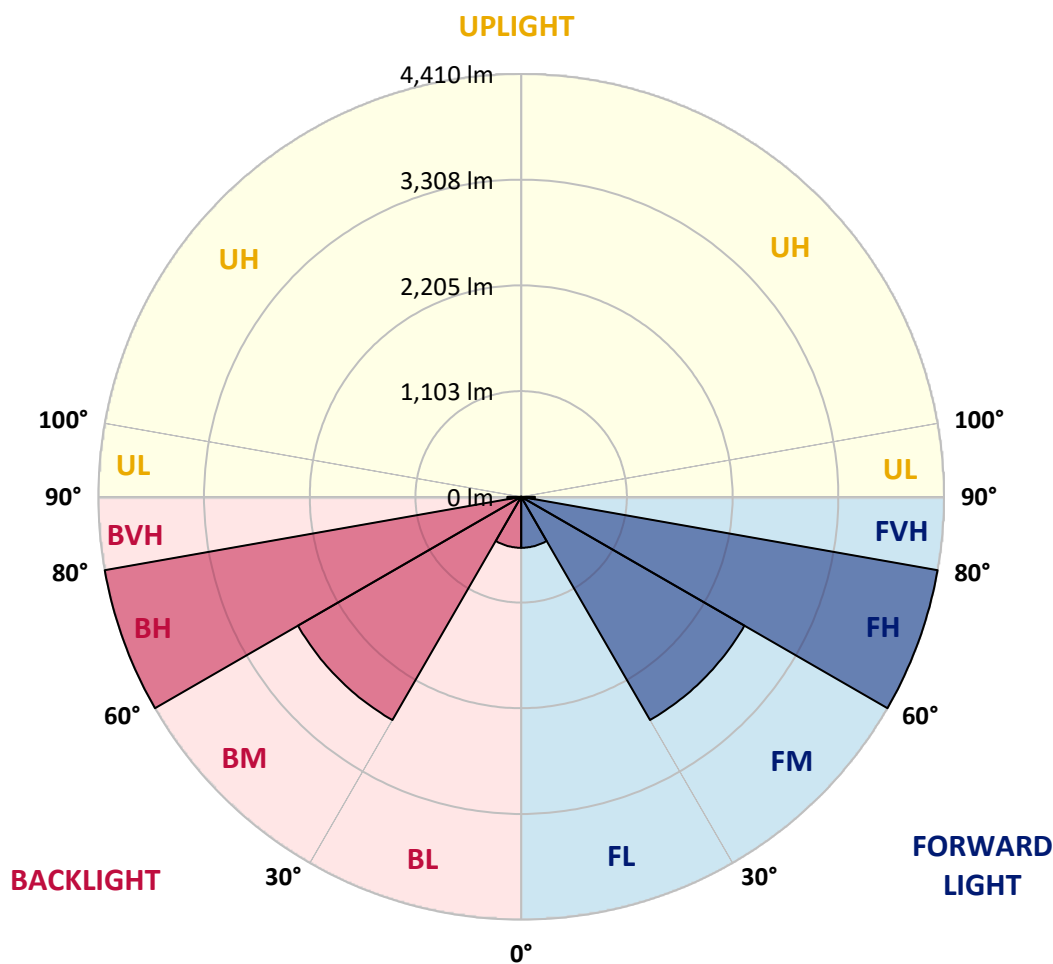
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	531.5	3.4			
FM	(30°-60°)	2688.4	17.3			
FH	(60°-80°)	4410.4	28.4			G2/5000
FVH	(80°-90°)	143.7	0.9			G2/225
BL	(0°-30°)	531.5	3.4	B2/1000		
BM	(30°-60°)	2688.4	17.3	B3/5000		
BH	(60°-80°)	4410.4	28.4	B4/5000		G2/5000
BVH	(80°-90°)	143.7	0.9			G2/225
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°	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6
2.5°	1273.9	1275.5	1273.9	1275.0	1272.4	1273.4	1273.4	1273.4	1272.9	1273.4	1272.4
5°	1262.6	1263.7	1261.6	1262.6	1261.1	1262.6	1263.1	1262.6	1261.6	1262.1	1260.1
7.5°	1245.7	1246.7	1245.1	1246.7	1244.6	1247.2	1246.7	1245.1	1243.6	1243.6	1241.5
10°	1236.4	1236.9	1232.8	1231.3	1226.6	1227.7	1229.2	1230.7	1232.3	1235.4	1234.9
12.5°	1236.9	1236.9	1230.7	1224.1	1217.4	1218.9	1221.5	1227.1	1233.3	1239.0	1239.5
15°	1242.1	1241.5	1232.3	1221.5	1216.9	1221.5	1223.0	1226.6	1236.4	1246.2	1246.7
17.5°	1245.7	1245.7	1231.3	1218.9	1218.4	1225.6	1225.1	1226.6	1237.4	1251.8	1252.3
20°	1252.3	1252.3	1233.8	1220.5	1220.5	1228.2	1228.7	1231.3	1242.1	1258.0	1260.6
22.5°	1267.3	1267.8	1248.2	1237.4	1238.5	1243.1	1244.6	1248.7	1258.5	1276.0	1279.1
25°	1288.3	1289.4	1269.3	1263.1	1266.7	1275.5	1274.5	1277.5	1288.3	1305.3	1308.4
27.5°	1317.7	1315.1	1296.6	1294.0	1297.6	1303.8	1303.3	1303.8	1312.5	1327.9	1331.5
30°	1355.7	1354.7	1341.3	1342.9	1341.3	1339.3	1339.8	1343.9	1348.5	1360.9	1364.5
32.5°	1392.8	1393.8	1385.6	1393.3	1404.6	1412.3	1400.5	1389.2	1384.0	1390.7	1393.8
35°	1459.6	1462.2	1449.3	1444.2	1459.6	1482.2	1448.8	1430.3	1440.6	1449.3	1451.9
37.5°	1573.3	1574.8	1553.2	1532.6	1521.3	1542.9	1509.5	1511.0	1547.0	1563.5	1563.0
40°	1702.9	1703.4	1689.0	1671.0	1651.4	1656.6	1643.2	1647.3	1671.0	1685.9	1690.0
42.5°	1857.2	1855.6	1833.0	1807.3	1801.6	1806.8	1784.1	1781.1	1808.3	1835.1	1835.6
45°	2057.2	2053.6	2024.3	1996.0	1968.8	1957.5	1951.8	1966.7	2004.3	2029.0	2029.5
47.5°	2272.7	2263.0	2247.5	2224.9	2201.2	2189.9	2180.7	2187.9	2215.1	2224.9	2225.9
50°	2494.4	2496.5	2499.5	2490.8	2482.1	2478.5	2454.3	2440.4	2448.6	2430.6	2428.1
52.5°	2757.2	2761.3	2791.2	2816.4	2831.3	2839.0	2793.2	2745.4	2718.6	2683.7	2673.4
55°	3067.3	3074.0	3117.7	3187.7	3259.7	3297.8	3214.9	3125.5	3042.7	2977.3	2956.3
57.5°	3413.0	3424.8	3485.0	3619.2	3766.8	3856.8	3716.9	3554.4	3394.4	3300.3	3283.9
60°	3818.2	3829.6	3912.9	4105.2	4344.4	4479.6	4267.7	4001.8	3802.8	3712.8	3682.5
62.5°	4300.7	4301.7	4404.0	4628.8	4944.6	5132.8	4845.8	4490.4	4285.2	4176.7	4147.4
65°	4819.6	4822.2	4928.1	5170.9	5497.5	5702.2	5378.1	5007.8	4756.9	4596.9	4574.3
67.5°	5186.3	5197.1	5308.7	5600.8	5906.3	6091.0	5755.6	5337.0	5046.9	4856.1	4837.1
70°	5127.7	5169.8	5301.0	5642.0	6066.8	6330.1	5816.8	5297.9	4915.3	4690.0	4674.0
72.5°	4471.9	4552.7	4727.5	5175.0	5854.4	6217.0	5483.1	4745.0	4312.0	4120.1	4091.3
75°	3045.2	3176.4	3440.2	4085.7	5001.7	5382.8	4615.9	3783.3	3375.9	3110.5	3091.0
77.5°	1357.8	1387.6	1721.9	2465.1	3451.5	3865.6	3353.8	2474.9	1857.7	1481.7	1402.5
80°	378.5	383.2	511.2	918.0	1727.6	2271.2	1854.6	964.3	542.1	382.1	360.0
82.5°	120.3	130.6	159.4	238.1	580.7	1036.3	596.1	257.2	183.1	146.1	131.7
85°	58.6	58.1	80.7	96.7	148.1	229.4	157.9	119.3	104.4	69.4	62.7
87.5°	24.7	25.2	37.5	33.9	43.2	37.0	50.9	53.5	56.1	30.9	26.7
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)