

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386996

Luminaire Tested: GAW-SA2D-727-U-5WQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2D-727-U-5WQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14263 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

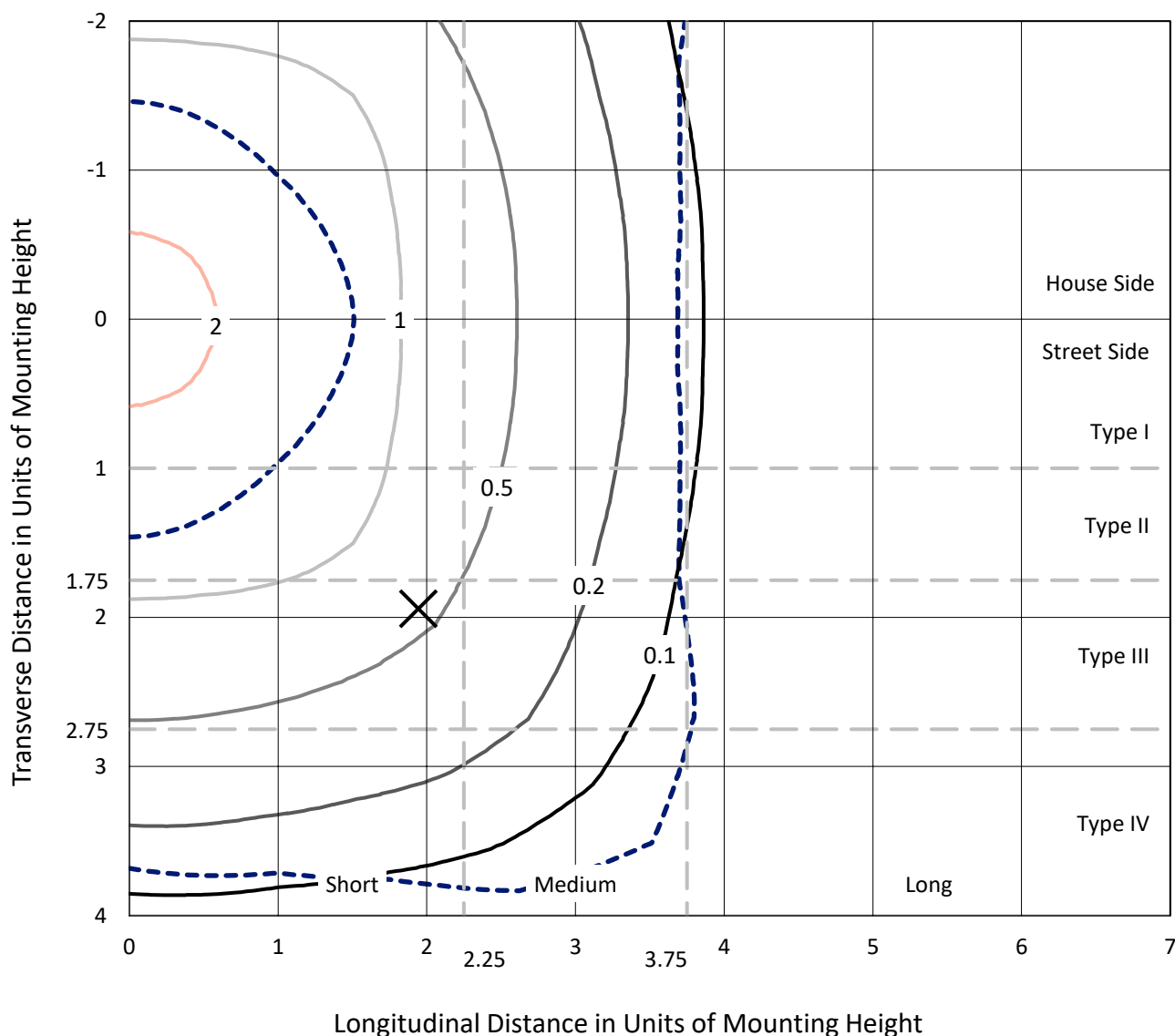
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

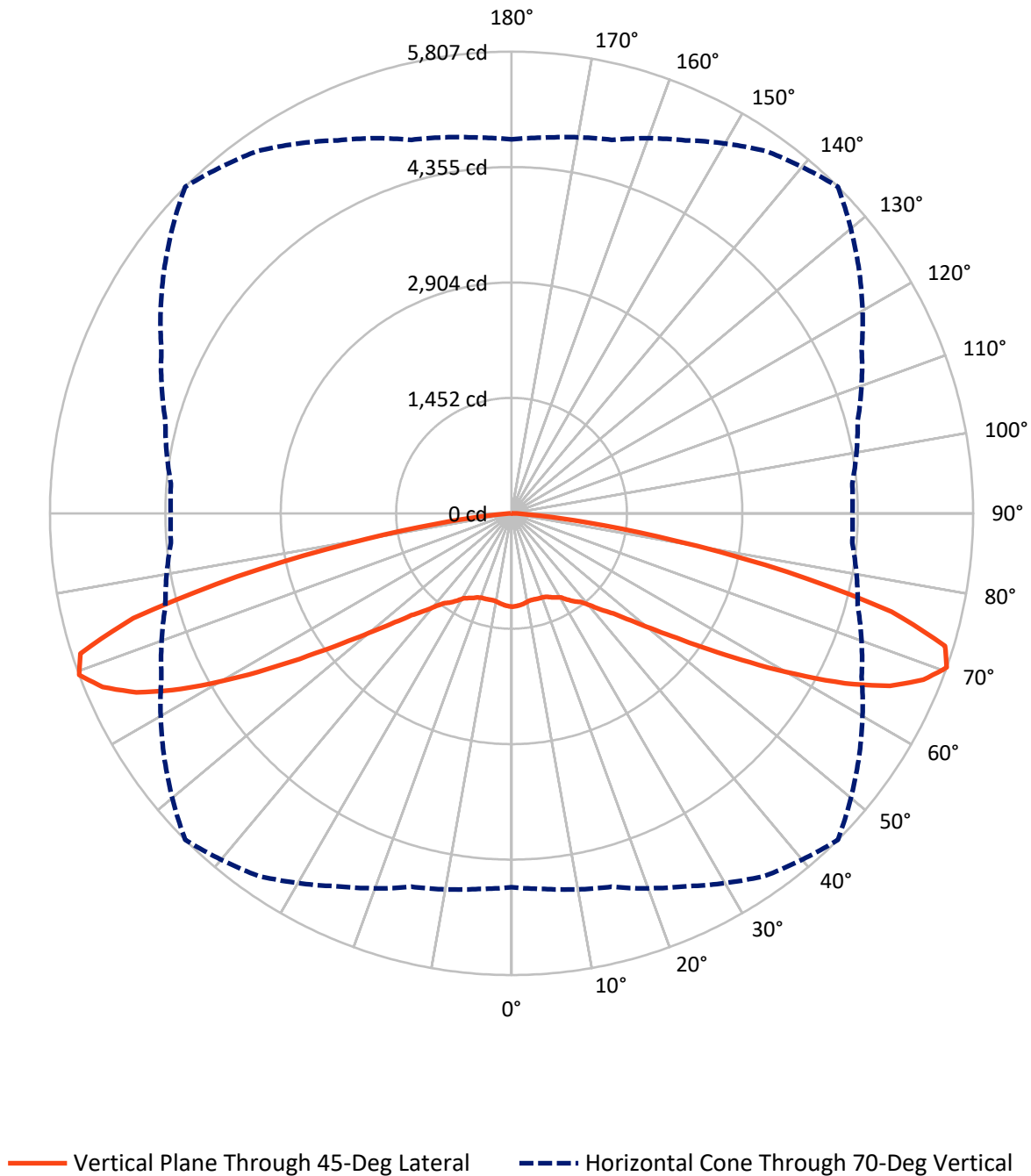
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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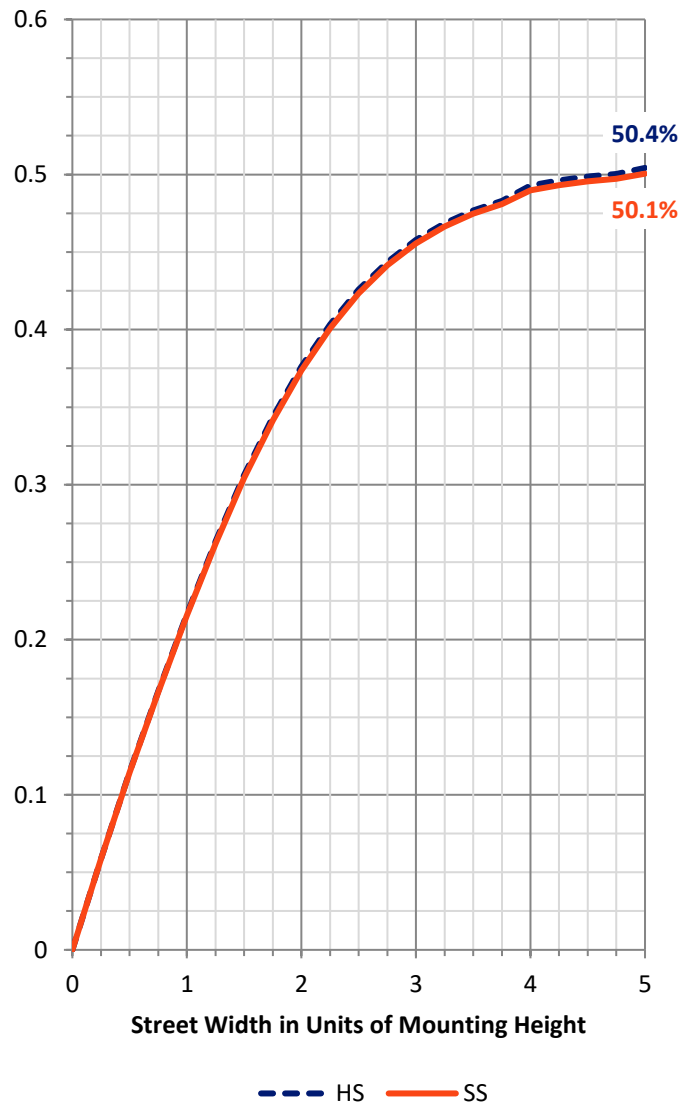
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7131.5	0.0	7131.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7131.5	0.0	7131.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14263.0	0.0	14263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	0.8
10°-20°	320.0	2.2
20°-30°	545.6	3.8
30°-40°	852.6	6.0
40°-50°	1444.9	10.1
50°-60°	2634.9	18.5
60°-70°	4536.2	31.8
70°-80°	3555.6	24.9
80°-90°	263.6	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°	14263.0	100.0
0°-180°	14263.0	100.0

Coefficient of Utilization



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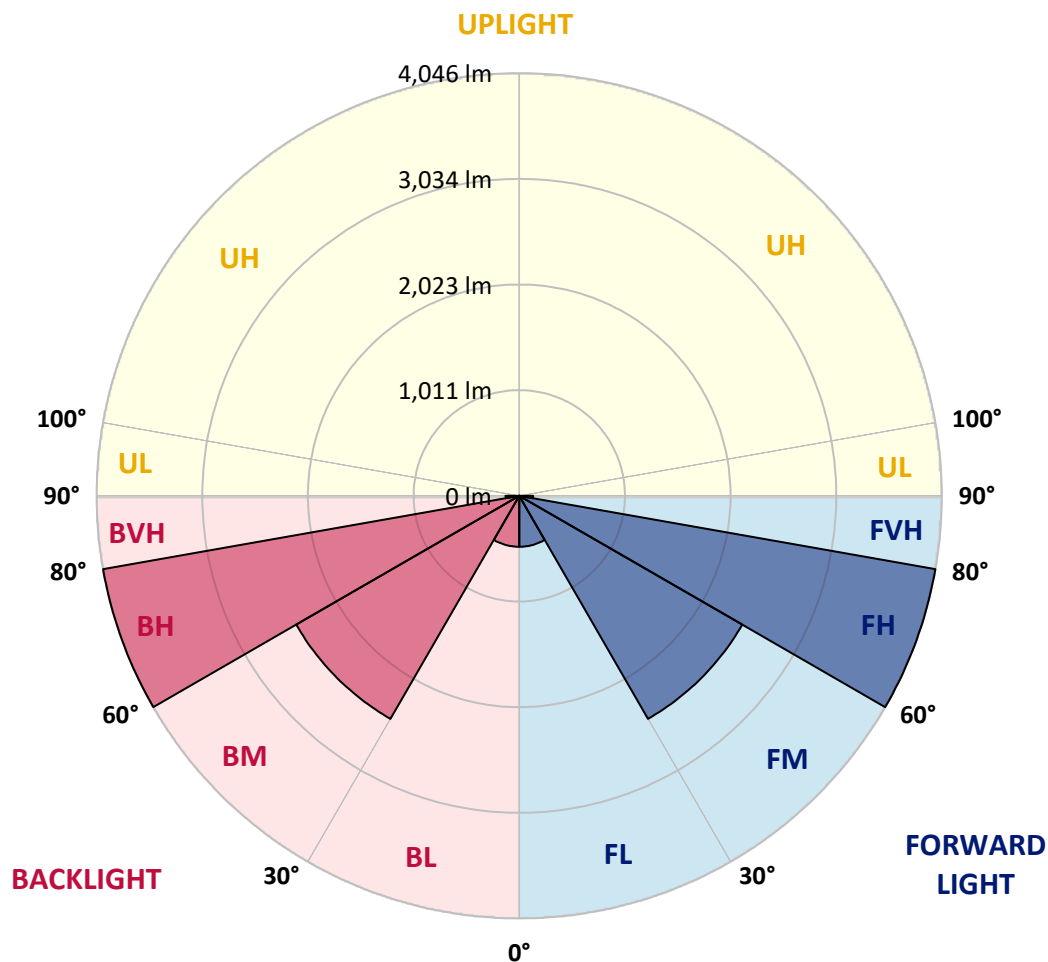
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	487.6	3.4			
FM	(30°-60°)	2466.2	17.3			
FH	(60°-80°)	4045.9	28.4			G2/5000
FVH	(80°-90°)	131.8	0.9			G2/225
BL	(0°-30°)	487.6	3.4	B1/500		
BM	(30°-60°)	2466.2	17.3	B2/2500		
BH	(60°-80°)	4045.9	28.4	B4/5000		G2/5000
BVH	(80°-90°)	131.8	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°	1173.8	1173.8	1173.8	1173.8	1173.8	1173.8	1173.8	1173.8	1173.8	1173.8	1173.8
2.5°	1168.7	1170.1	1168.7	1169.6	1167.2	1168.2	1168.2	1168.2	1167.7	1168.2	1167.2
5°	1158.3	1159.2	1157.3	1158.3	1156.9	1158.3	1158.7	1158.3	1157.3	1157.8	1155.9
7.5°	1142.7	1143.7	1142.2	1143.7	1141.8	1144.1	1143.7	1142.2	1140.8	1140.8	1138.9
10°	1134.2	1134.7	1130.9	1129.5	1125.3	1126.2	1127.6	1129.0	1130.4	1133.3	1132.8
12.5°	1134.7	1134.7	1129.0	1122.9	1116.8	1118.2	1120.5	1125.7	1131.4	1136.6	1137.0
15°	1139.4	1138.9	1130.4	1120.5	1116.3	1120.5	1121.9	1125.3	1134.2	1143.2	1143.7
17.5°	1142.7	1142.7	1129.5	1118.2	1117.7	1124.3	1123.8	1125.3	1135.2	1148.4	1148.8
20°	1148.8	1148.8	1131.9	1119.6	1119.6	1126.7	1127.1	1129.5	1139.4	1154.0	1156.4
22.5°	1162.5	1163.0	1145.1	1135.2	1136.1	1140.3	1141.8	1145.5	1154.5	1170.5	1173.4
25°	1181.9	1182.8	1164.4	1158.7	1162.1	1170.1	1169.1	1172.0	1181.9	1197.4	1200.3
27.5°	1208.8	1206.4	1189.4	1187.1	1190.4	1196.0	1195.5	1196.0	1204.0	1218.2	1221.5
30°	1243.7	1242.7	1230.5	1231.9	1230.5	1228.6	1229.0	1232.8	1237.1	1248.4	1251.7
32.5°	1277.6	1278.6	1271.0	1278.1	1288.5	1295.6	1284.7	1274.3	1269.6	1275.8	1278.6
35°	1339.0	1341.3	1329.5	1324.8	1339.0	1359.7	1329.1	1312.1	1321.5	1329.5	1331.9
37.5°	1443.2	1444.7	1424.8	1406.0	1395.6	1415.4	1384.7	1386.2	1419.2	1434.3	1433.8
40°	1562.1	1562.6	1549.4	1532.9	1515.0	1519.7	1507.4	1511.2	1532.9	1546.6	1550.3
42.5°	1703.7	1702.3	1681.5	1657.9	1652.7	1657.4	1636.7	1633.9	1658.9	1683.4	1683.9
45°	1887.2	1883.9	1857.0	1831.1	1806.1	1795.7	1790.5	1804.2	1838.6	1861.3	1861.7
47.5°	2084.9	2075.9	2061.8	2041.0	2019.3	2008.9	2000.4	2007.1	2032.1	2041.0	2042.0
50°	2288.2	2290.1	2293.0	2284.9	2276.9	2273.6	2251.4	2238.7	2246.3	2229.7	2227.4
52.5°	2529.3	2533.1	2560.5	2583.6	2597.3	2604.4	2562.4	2518.5	2494.0	2461.9	2452.4
55°	2813.8	2820.0	2860.1	2924.2	2990.3	3025.2	2949.2	2867.1	2791.2	2731.3	2711.9
57.5°	3130.9	3141.7	3196.9	3320.1	3455.5	3538.1	3409.7	3260.6	3113.9	3027.6	3012.5
60°	3502.7	3513.0	3589.5	3765.9	3985.3	4109.4	3915.0	3671.1	3488.5	3405.9	3378.1
62.5°	3945.2	3946.2	4040.1	4246.2	4535.9	4708.6	4445.3	4119.3	3931.1	3831.5	3804.6
65°	4421.3	4423.6	4520.8	4743.5	5043.1	5230.9	4933.6	4593.9	4363.7	4217.0	4196.2
67.5°	4757.7	4767.6	4870.0	5137.9	5418.2	5587.6	5280.0	4895.9	4629.8	4454.8	4437.3
70°	4703.9	4742.6	4862.9	5175.7	5565.4	5807.0	5336.1	4860.0	4509.0	4302.4	4287.7
72.5°	4102.3	4176.4	4336.8	4747.3	5370.5	5703.2	5029.9	4352.9	3955.6	3779.6	3753.2
75°	2793.5	2913.9	3155.9	3748.0	4588.3	4937.9	4234.4	3470.6	3096.9	2853.5	2835.5
77.5°	1245.6	1272.9	1579.6	2261.4	3166.3	3546.1	3076.6	2270.3	1704.2	1359.3	1286.6
80°	347.2	351.5	469.0	842.2	1584.8	2083.5	1701.3	884.6	497.3	350.5	330.3
82.5°	110.4	119.8	146.3	218.4	532.7	950.7	546.8	235.9	168.0	134.0	120.8
85°	53.8	53.3	74.1	88.7	135.9	210.4	144.8	109.5	95.8	63.7	57.6
87.5°	22.6	23.1	34.4	31.1	39.6	34.0	46.7	49.1	51.4	28.3	24.5
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)