

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: P157583

Luminaire Tested: **VST-F06-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157583
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33709)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F06-LED-E-U-5WQ-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13199.6 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.5
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



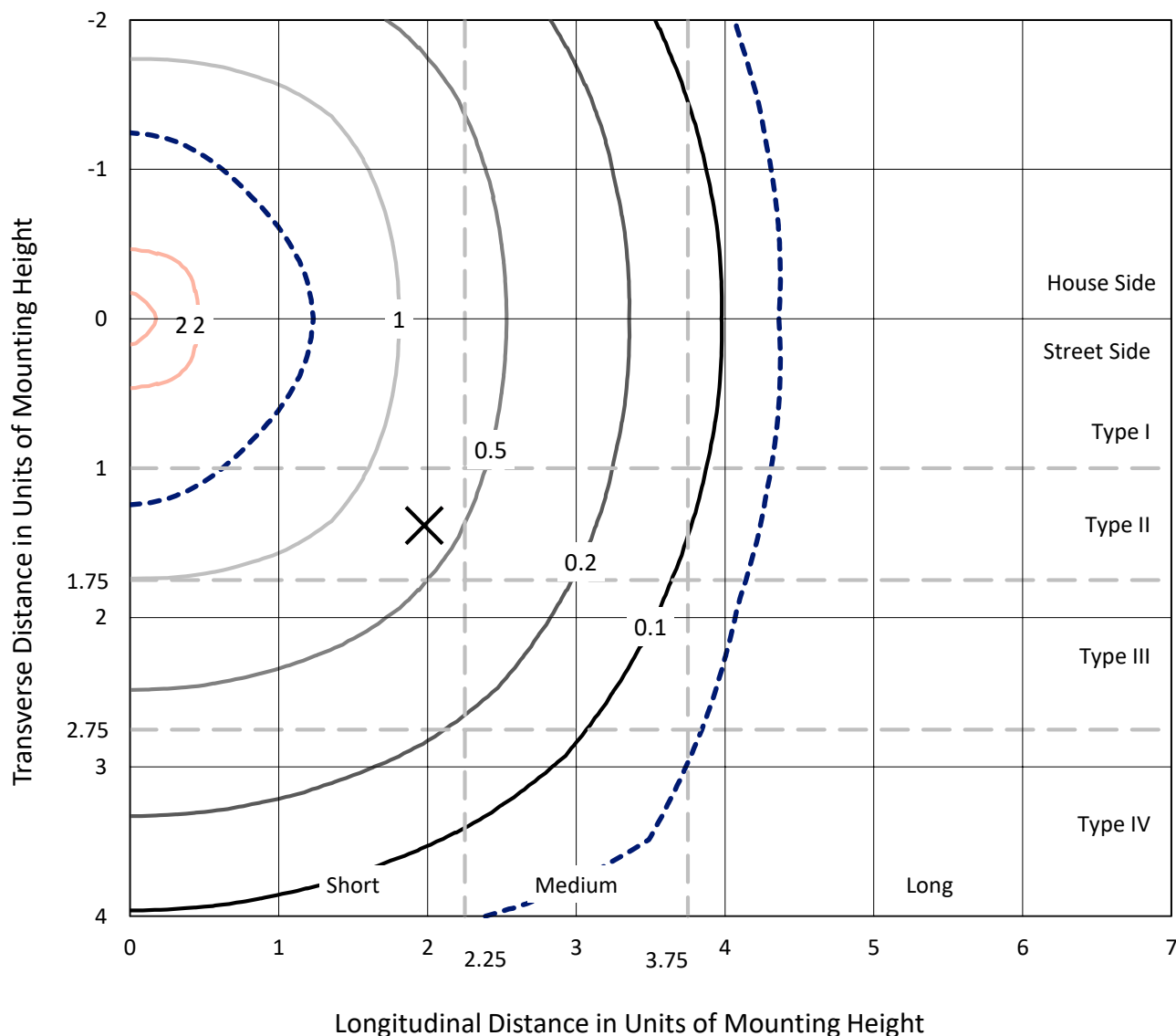
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

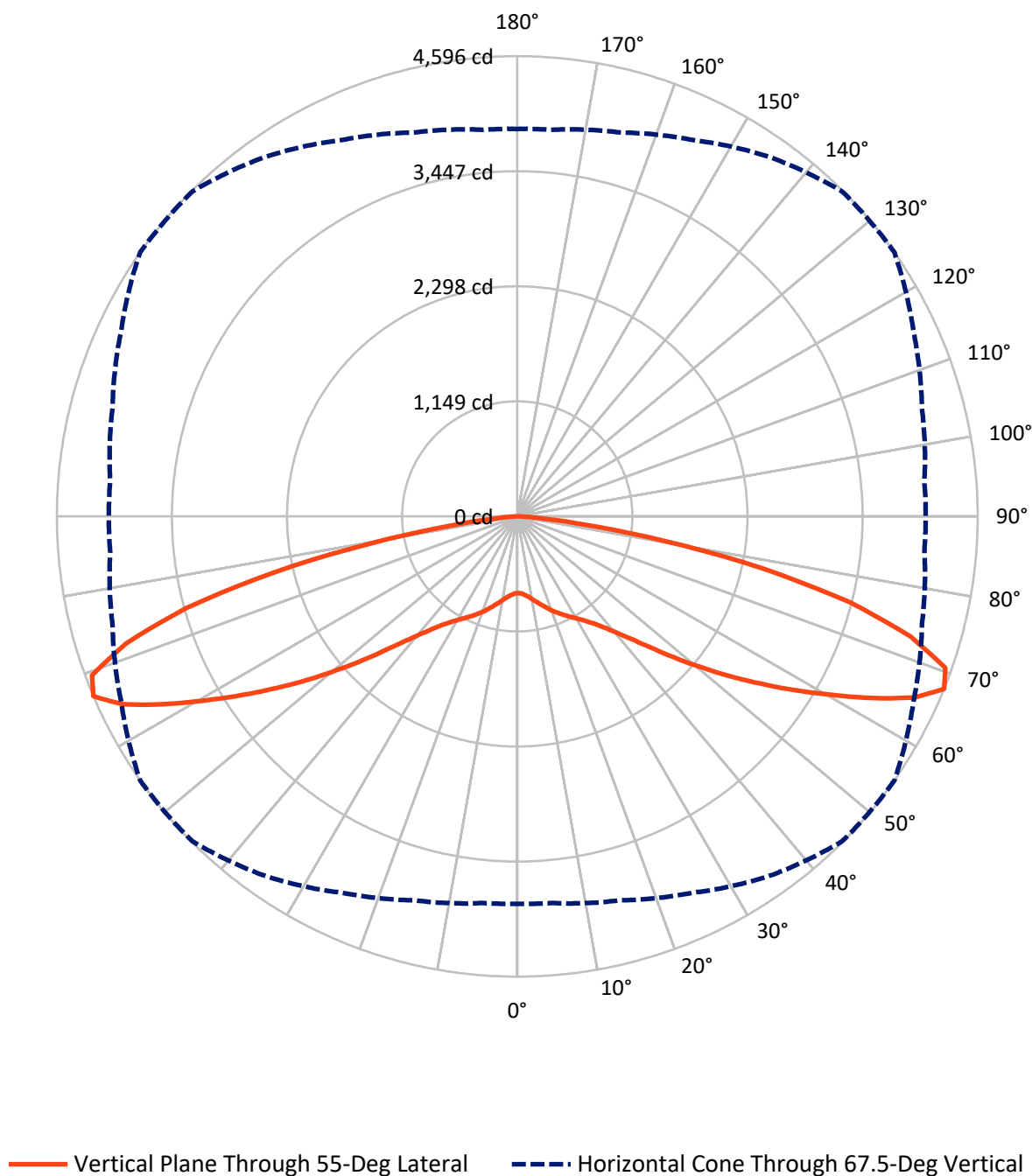


Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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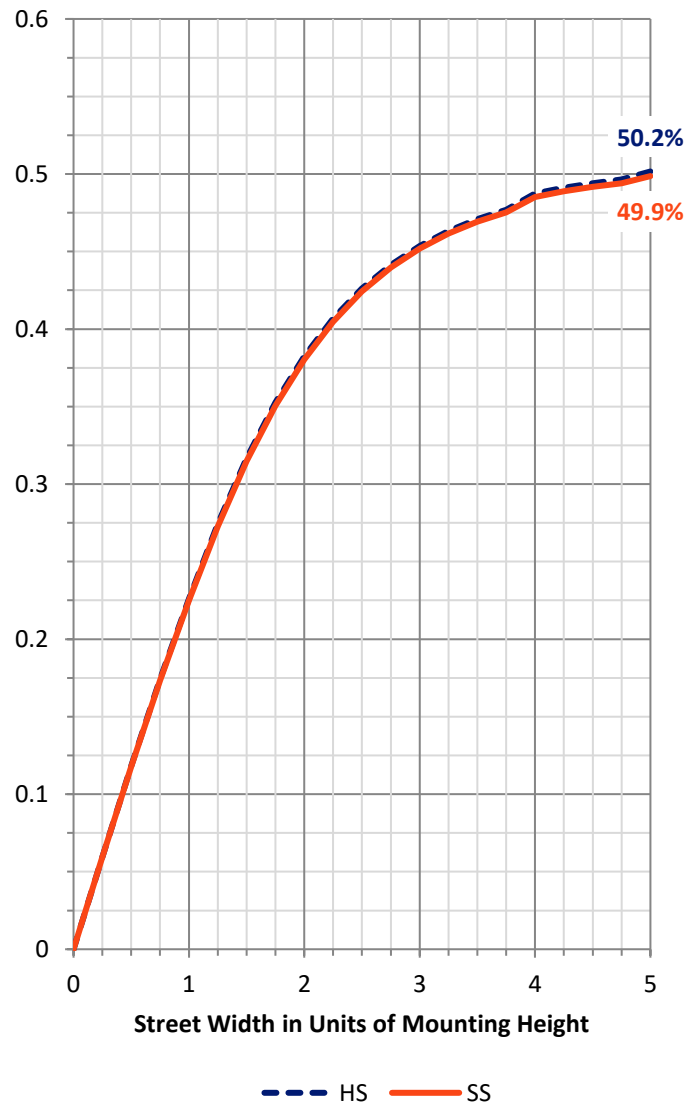
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6599.8	0.0	6599.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6599.8	0.0	6599.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13199.6	0.0	13199.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	0.6
10°-20°	262.6	2.0
20°-30°	505.0	3.8
30°-40°	827.2	6.3
40°-50°	1438.1	10.9
50°-60°	2566.9	19.4
60°-70°	3963.2	30.0
70°-80°	3208.2	24.3
80°-90°	351.4	2.7
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°	13199.6	100.0
0°-180°	13199.6	100.0

Coefficient of Utilization



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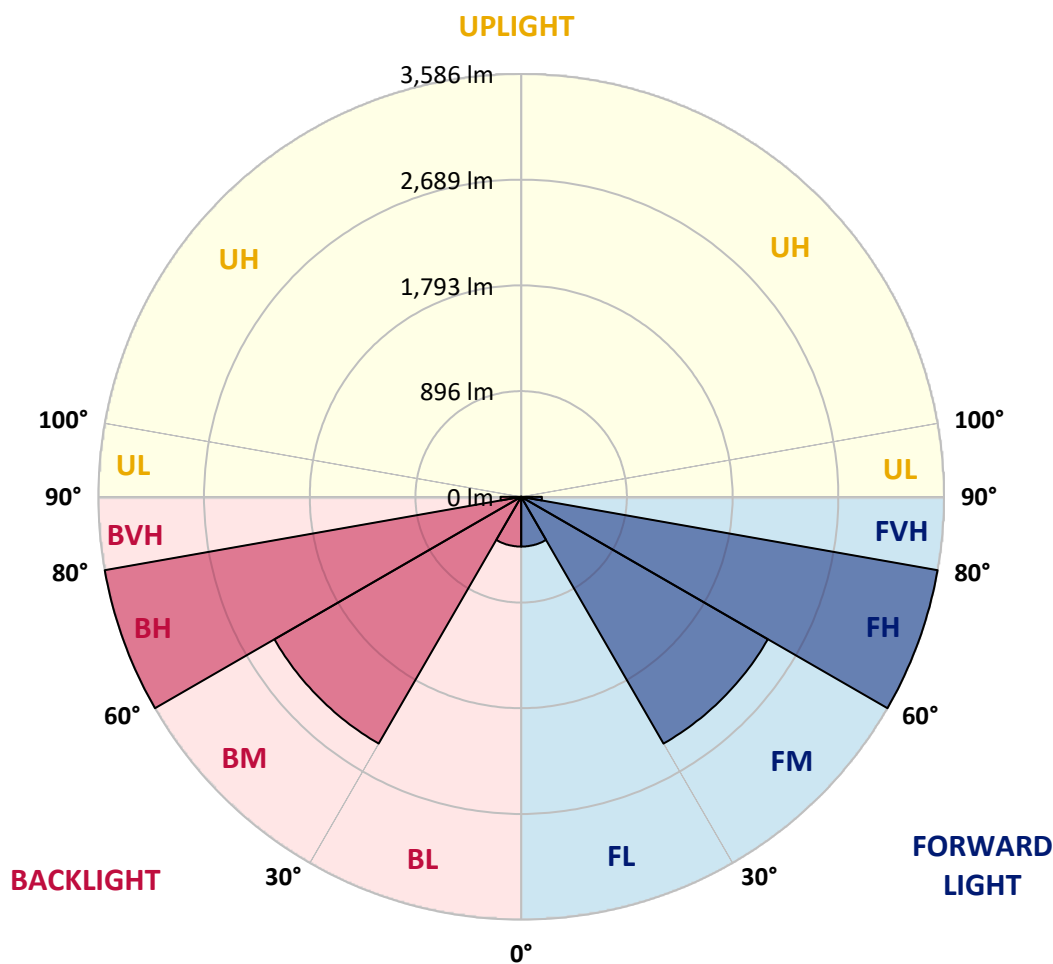
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.2	3.2			
FM	(30°-60°)	2416.1	18.3			
FH	(60°-80°)	3585.7	27.2			G2/5000
FVH	(80°-90°)	175.7	1.3			G2/225
BL	(0°-30°)	422.2	3.2	B1/500		
BM	(30°-60°)	2416.1	18.3	B2/2500		
BH	(60°-80°)	3585.7	27.2	B4/5000		G2/5000
BVH	(80°-90°)	175.7	1.3			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°	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9	765.9
2.5°	770.9	771.7	770.9	770.9	770.0	770.0	770.0	770.9	770.9	772.5	771.7
5°	786.8	787.6	785.9	787.6	787.6	788.4	787.6	786.8	787.6	788.4	785.9
7.5°	809.3	811.0	810.2	811.0	811.8	811.0	811.0	810.2	811.8	811.0	809.3
10°	838.6	840.3	839.4	841.1	841.9	842.8	842.8	841.1	840.3	840.3	839.4
12.5°	873.7	873.7	873.7	876.2	877.9	879.6	878.7	877.1	874.5	875.4	872.0
15°	912.2	913.8	913.8	914.7	918.9	919.7	918.9	916.3	915.5	913.8	912.2
17.5°	954.8	955.6	956.5	957.3	962.3	964.8	961.5	957.3	957.3	956.5	956.5
20°	999.1	998.3	1000.0	1001.6	1005.0	1007.5	1006.6	1002.5	999.1	1001.6	1000.8
22.5°	1040.1	1040.9	1041.8	1044.3	1050.1	1051.0	1048.4	1045.1	1040.9	1041.8	1041.8
25°	1078.5	1079.4	1081.1	1084.4	1091.1	1095.3	1091.9	1086.9	1081.1	1081.1	1081.9
27.5°	1117.8	1118.7	1119.5	1125.4	1133.7	1138.7	1136.2	1127.9	1121.2	1119.5	1117.0
30°	1161.3	1161.3	1163.0	1170.5	1181.4	1187.2	1183.9	1173.9	1163.8	1162.2	1162.2
32.5°	1216.5	1213.2	1215.7	1225.7	1237.4	1244.1	1241.6	1229.9	1217.3	1214.8	1214.8
35°	1282.6	1280.9	1282.6	1294.3	1308.5	1318.5	1312.6	1301.8	1288.4	1285.9	1284.2
37.5°	1361.1	1362.0	1367.0	1380.4	1399.6	1412.1	1406.3	1388.7	1372.8	1372.8	1372.8
40°	1460.6	1462.3	1472.3	1492.4	1520.0	1530.9	1524.2	1502.4	1484.0	1477.4	1479.0
42.5°	1596.1	1595.2	1611.1	1636.2	1668.8	1684.7	1673.8	1650.4	1623.7	1612.8	1613.6
45°	1755.8	1767.5	1784.2	1816.0	1856.9	1884.5	1865.3	1839.4	1799.2	1783.4	1782.5
47.5°	1948.9	1961.4	1982.4	2035.0	2084.4	2117.8	2102.7	2060.1	2002.4	1979.8	1971.5
50°	2168.8	2184.7	2211.4	2279.2	2349.4	2387.0	2360.3	2304.2	2242.4	2208.1	2199.7
52.5°	2416.3	2421.3	2461.4	2543.4	2630.3	2676.3	2646.2	2579.3	2499.9	2468.1	2444.7
55°	2690.5	2694.7	2740.7	2833.5	2932.1	2986.5	2948.0	2863.6	2790.0	2734.8	2739.8
57.5°	2944.7	2957.2	3024.9	3133.6	3249.9	3315.9	3274.1	3184.6	3107.7	3045.0	3052.5
60°	3216.4	3229.8	3300.9	3430.4	3587.6	3675.4	3621.1	3524.9	3445.5	3386.1	3378.6
62.5°	3504.9	3512.4	3590.1	3706.4	3907.0	4048.3	3996.5	3890.3	3797.5	3739.0	3733.1
65°	3771.6	3781.6	3847.7	3974.7	4181.2	4387.8	4358.5	4211.3	4085.9	4001.5	3989.8
67.5°	3868.6	3875.2	3968.0	4146.1	4383.6	4587.6	4595.9	4364.4	4182.1	4079.2	4076.7
70°	3754.8	3759.9	3878.6	4090.1	4392.8	4562.5	4532.4	4300.0	4075.9	3949.7	3937.1
72.5°	3499.8	3500.7	3609.4	3789.1	4092.6	4231.4	4103.5	3975.6	3744.0	3649.5	3624.4
75°	3035.8	3036.7	3111.9	3231.5	3448.0	3575.9	3430.4	3313.4	3177.1	3121.1	3091.8
77.5°	2087.7	2100.2	2178.0	2315.9	2553.4	2694.7	2504.1	2291.7	2208.9	2161.3	2132.8
80°	1005.0	1024.2	1113.7	1249.9	1498.3	1724.0	1489.1	1227.4	1066.0	934.7	958.2
82.5°	268.4	271.7	348.6	500.8	698.1	819.4	665.5	465.7	293.5	197.3	180.6
85°	71.1	75.2	105.3	144.6	219.9	280.1	214.0	136.3	103.7	76.9	70.2
87.5°	19.2	22.6	36.8	44.3	55.2	44.3	55.2	47.7	46.0	24.2	17.6
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)