

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: P286995

Luminaire Tested: **USSL-C027-D-U-T5-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-10)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C027-D-U-T5-AP-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15156.6 lumens
Efficiency: N/A
Efficacy: 157.9 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 96
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



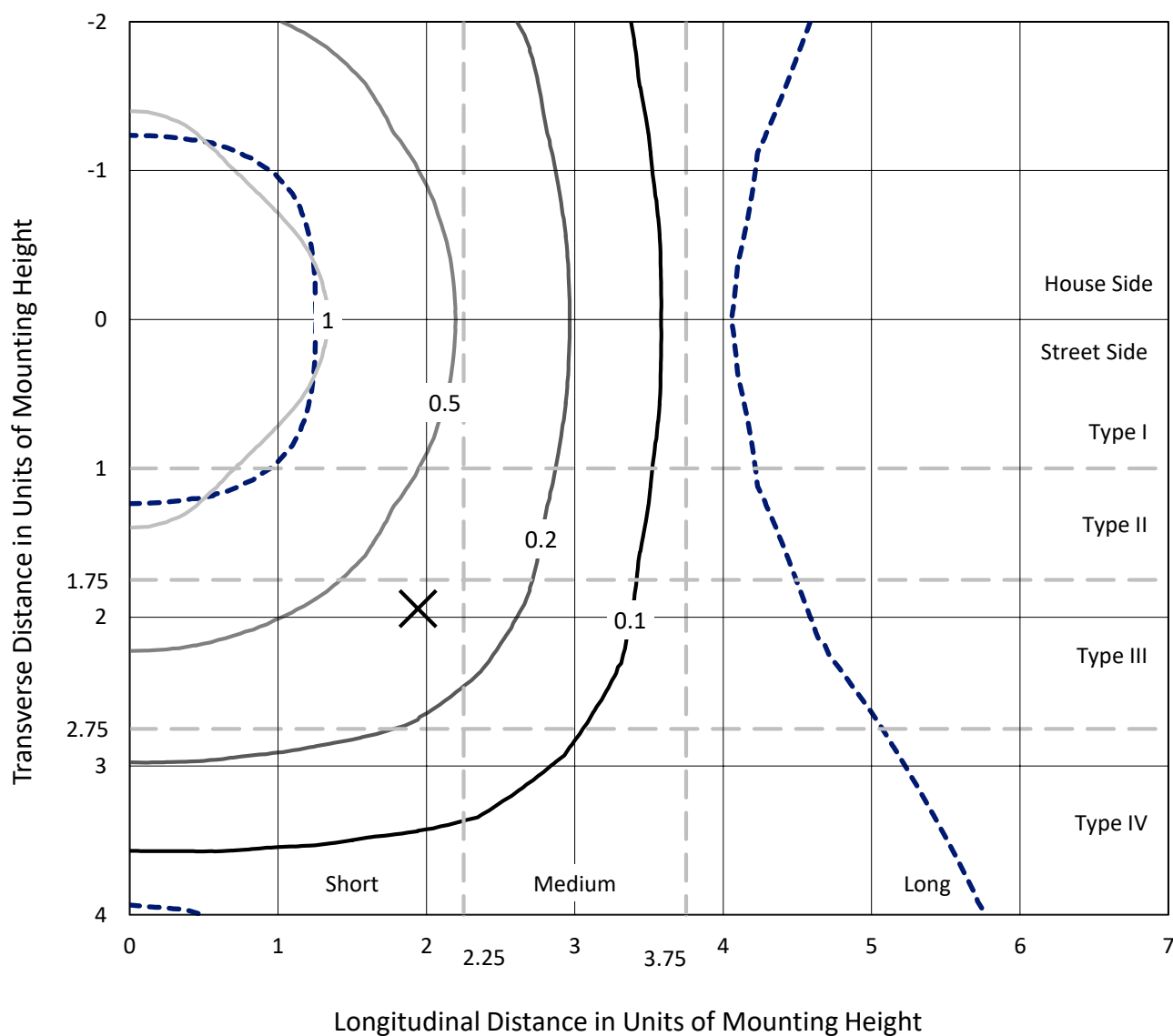
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

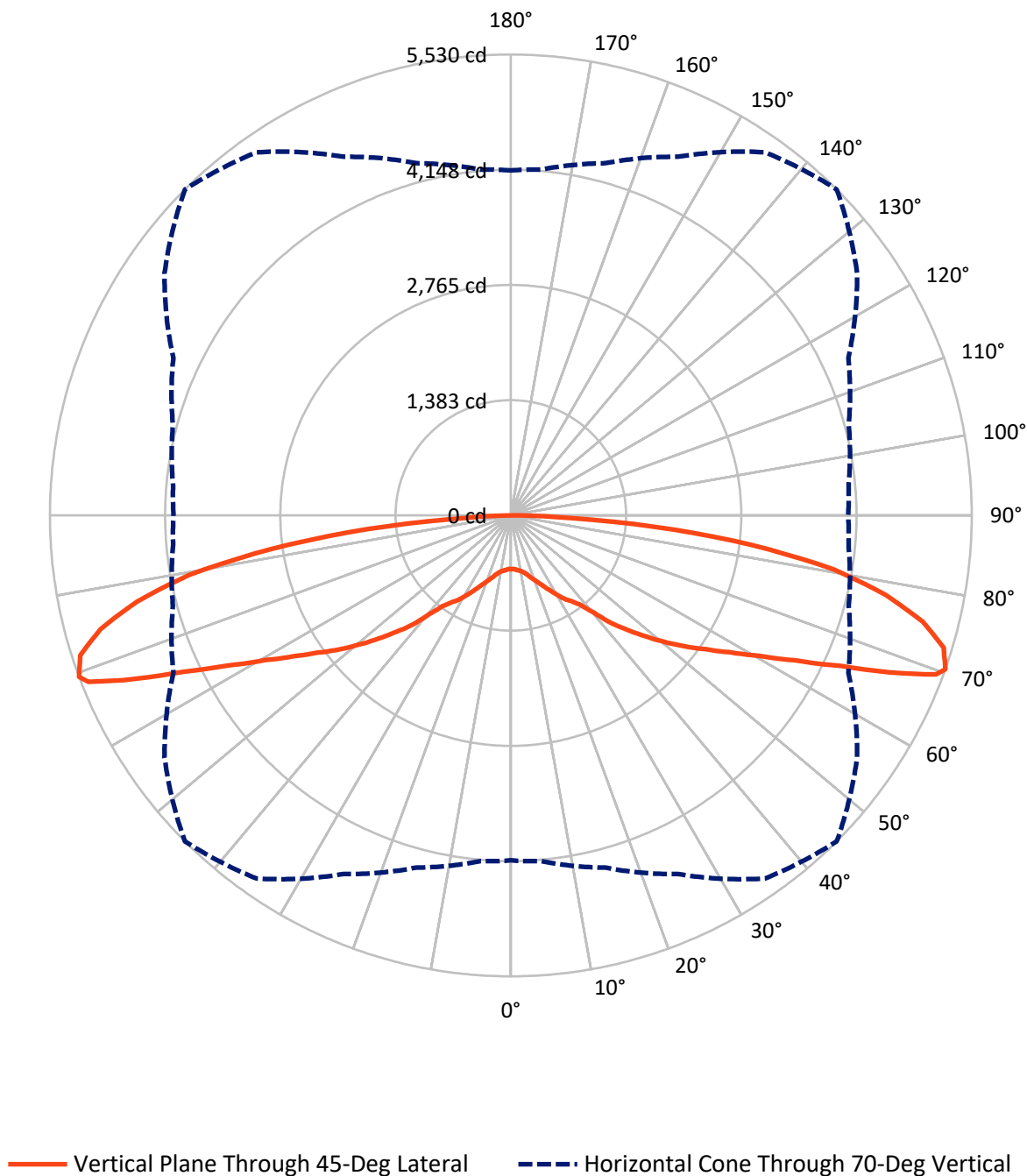


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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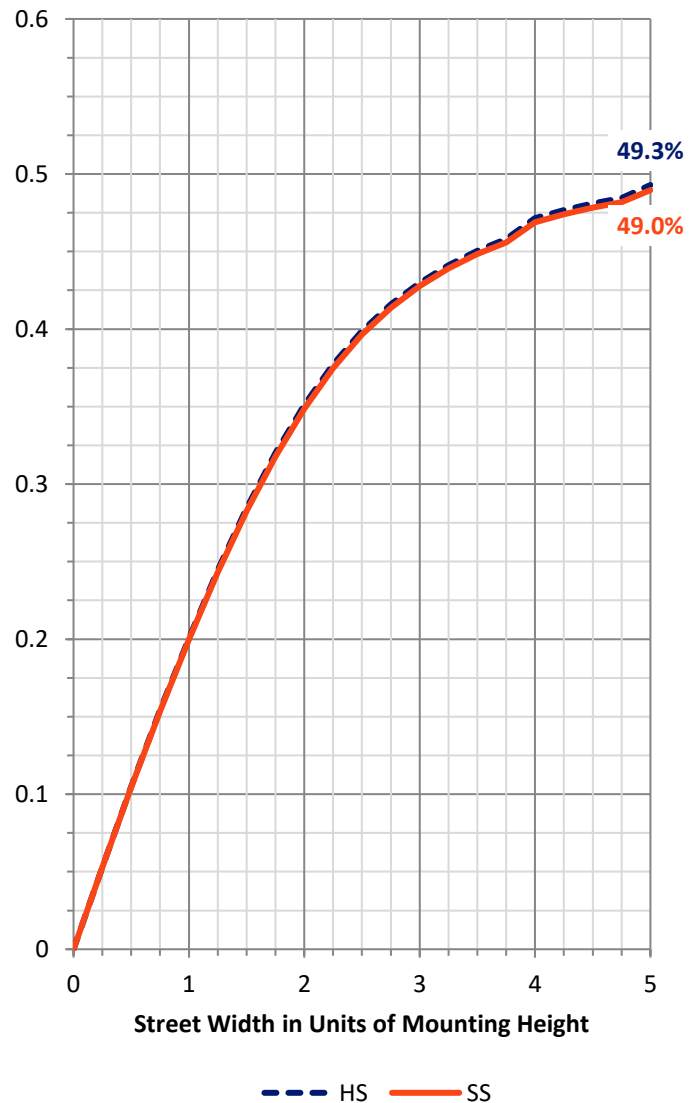
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7578.3	0.0	7578.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7578.3	0.0	7578.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	15156.6	0.0	15156.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	0.4
10°-20°	211.4	1.4
20°-30°	437.3	2.9
30°-40°	801.2	5.3
40°-50°	1586.7	10.5
50°-60°	2718.9	17.9
60°-70°	4280.8	28.2
70°-80°	4000.6	26.4
80°-90°	1056.3	7.0
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°	15156.6	100.0
0°-180°	15156.6	100.0

Coefficient of Utilization



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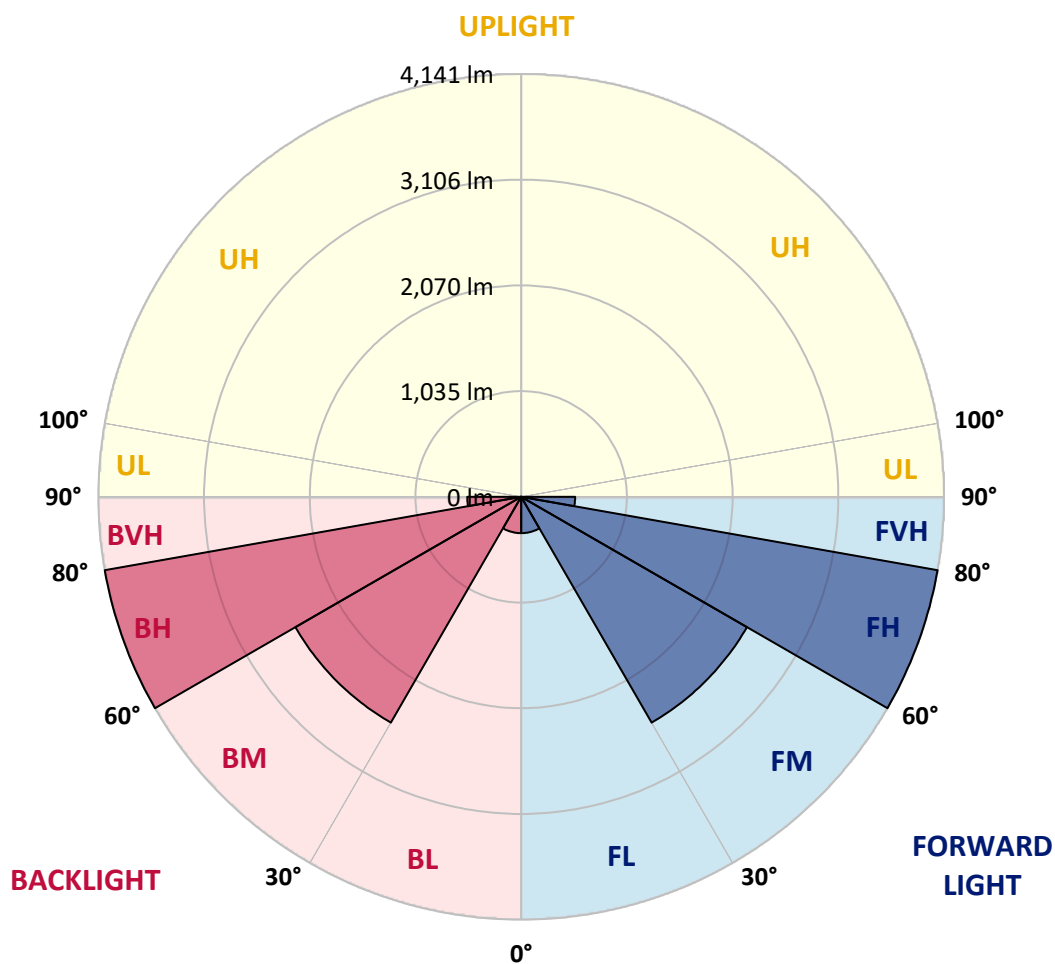
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.1	2.3			
FM	(30°-60°)	2553.3	16.8			
FH	(60°-80°)	4140.7	27.3			G2/5000
FVH	(80°-90°)	528.2	3.5			G4/750
BL	(0°-30°)	356.1	2.3	B1/500		
BM	(30°-60°)	2553.3	16.8	B3/5000		
BH	(60°-80°)	4140.7	27.3	B4/5000		G2/5000
BVH	(80°-90°)	528.2	3.5			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7	644.7
2.5°	653.7	654.5	653.1	646.1	645.5	643.4	642.6	645.5	645.5	645.5	644.0
5°	665.6	663.5	659.4	656.6	655.1	653.7	651.7	655.9	657.2	659.4	653.7
7.5°	673.2	673.2	672.6	667.7	669.8	665.6	662.1	665.6	668.4	667.0	666.3
10°	688.5	690.0	687.1	682.3	686.5	678.9	674.0	676.7	676.0	675.4	676.7
12.5°	709.4	710.8	707.4	703.1	708.8	701.8	696.9	696.2	694.9	694.1	692.0
15°	737.9	738.6	735.9	732.4	740.8	736.5	733.8	724.8	724.8	722.6	723.4
17.5°	772.0	775.5	773.4	773.4	786.7	783.8	772.0	761.5	765.0	760.2	760.2
20°	816.5	815.2	817.2	820.7	836.0	831.8	819.3	804.7	808.9	804.0	803.3
22.5°	868.0	868.7	870.1	872.8	895.1	887.5	874.3	862.4	861.7	858.9	859.7
25°	928.5	927.8	923.6	934.1	959.1	951.5	935.5	927.1	928.5	928.5	929.2
27.5°	989.7	984.9	983.5	984.1	1032.9	1028.6	1003.6	988.4	991.1	996.6	998.7
30°	1050.9	1049.5	1046.0	1041.9	1097.5	1112.2	1067.6	1058.5	1062.0	1071.1	1073.1
32.5°	1133.7	1130.2	1126.8	1116.3	1151.8	1197.7	1140.7	1142.8	1152.4	1166.4	1168.4
35°	1225.5	1226.2	1216.4	1207.4	1227.6	1267.2	1239.4	1242.2	1263.7	1282.5	1287.4
37.5°	1337.5	1339.6	1323.6	1304.7	1322.9	1364.6	1345.9	1375.0	1429.3	1459.9	1472.4
40°	1525.9	1521.1	1497.4	1462.0	1478.7	1535.1	1555.2	1592.7	1667.9	1710.3	1726.3
42.5°	1788.9	1779.8	1748.5	1711.0	1715.9	1764.5	1793.8	1866.8	1947.5	1991.2	1999.6
45°	2040.0	2035.7	2001.0	1933.6	1913.3	1956.5	1993.4	2084.5	2172.1	2217.9	2236.8
47.5°	2322.3	2318.8	2270.2	2183.2	2147.0	2166.5	2191.6	2296.6	2373.1	2423.1	2434.3
50°	2624.8	2616.6	2564.3	2457.9	2390.5	2383.5	2412.0	2501.8	2590.1	2634.0	2630.5
52.5°	2932.3	2928.8	2874.6	2743.8	2655.5	2610.3	2622.1	2698.6	2784.1	2839.8	2843.3
55°	3250.2	3252.9	3191.7	3034.5	2914.2	2834.3	2827.3	2915.6	3001.1	3048.5	3061.6
57.5°	3579.1	3579.8	3502.7	3358.0	3204.3	3099.3	3062.4	3160.4	3241.1	3283.6	3307.8
60°	3885.8	3892.8	3828.8	3709.9	3563.2	3421.9	3362.1	3448.4	3531.8	3592.3	3593.1
62.5°	4235.7	4230.8	4171.7	4075.0	3982.6	3829.5	3718.2	3809.4	3894.9	3949.2	3974.8
65°	4570.9	4579.3	4565.4	4526.4	4472.9	4356.0	4212.0	4336.6	4393.6	4390.7	4415.9
67.5°	4478.4	4516.7	4608.4	4805.3	5008.5	5057.1	4829.0	4557.7	4436.0	4359.5	4334.5
69°	4298.3	4340.7	4503.5	4796.3	5230.3	5447.3	5014.7	4504.2	4316.3	4209.9	4187.7
70°	4138.3	4164.0	4374.1	4746.9	5317.9	5530.0	5071.0	4467.3	4196.8	4067.4	4047.2
72.5°	3647.3	3698.7	3931.7	4484.6	5258.1	5429.9	5050.1	4223.9	3856.7	3648.0	3625.7
75°	3007.4	3059.6	3379.5	4004.1	4922.8	5107.1	4731.6	3787.1	3313.5	3111.8	3070.0
77.5°	2142.9	2181.2	2553.2	3302.3	4354.0	4604.3	4198.8	3171.5	2661.7	2437.8	2384.2
80°	1254.7	1270.0	1638.0	2352.2	3472.0	3927.6	3465.8	2460.8	1902.2	1656.0	1621.2
82.5°	472.3	590.5	870.8	1454.3	2369.6	2913.6	2555.3	1679.6	1135.8	881.2	849.2
85°	143.9	196.8	372.1	720.5	1303.4	1728.4	1608.1	932.0	471.5	269.2	235.1
87.5°	25.0	32.0	85.5	231.6	481.3	486.2	377.0	171.1	34.1	12.5	11.9
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)