

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: P286991

Luminaire Tested: **USSL-C027-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286991
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-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14886.3 lumens
Efficiency: N/A
Efficacy: 155.1 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



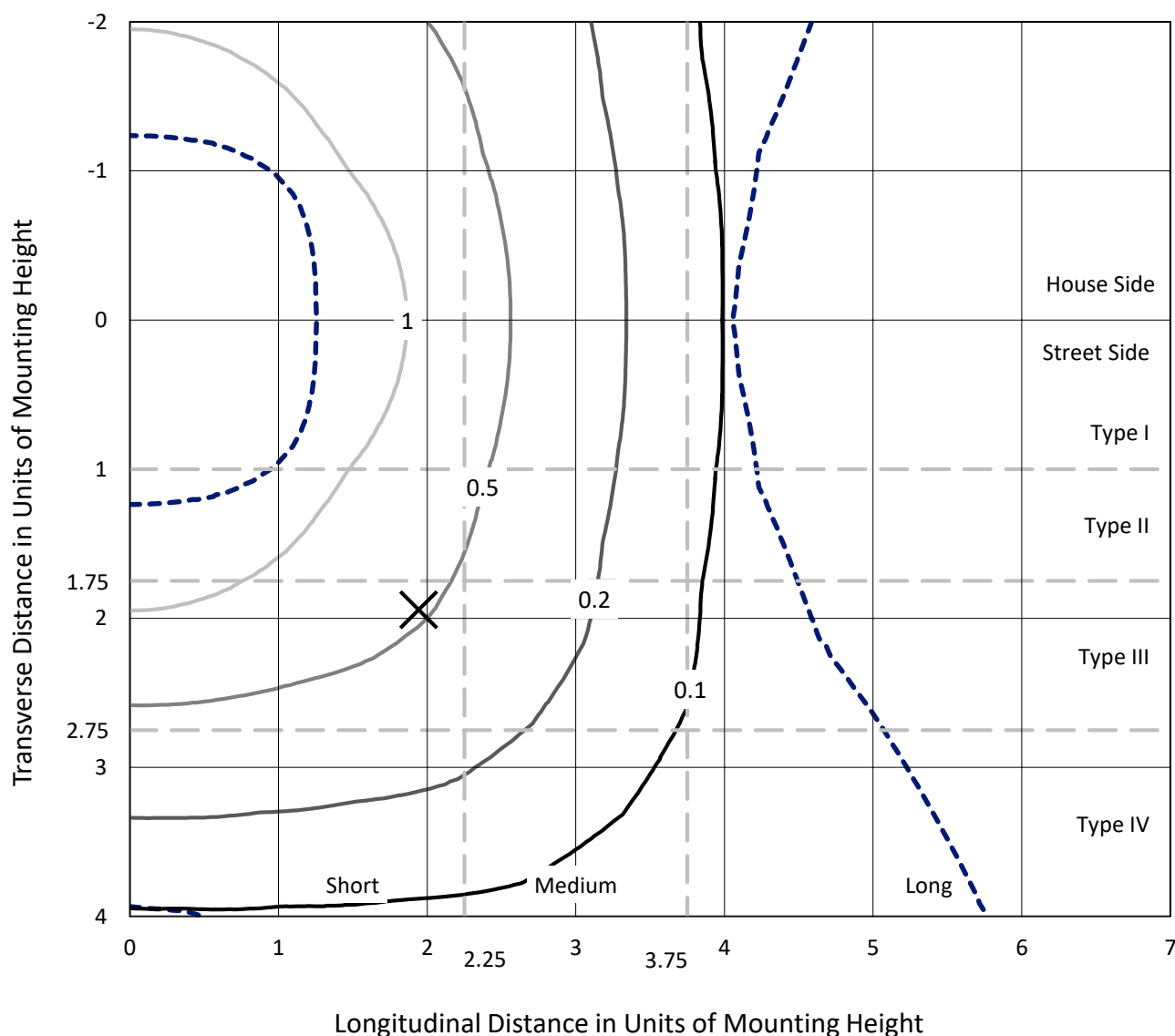
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

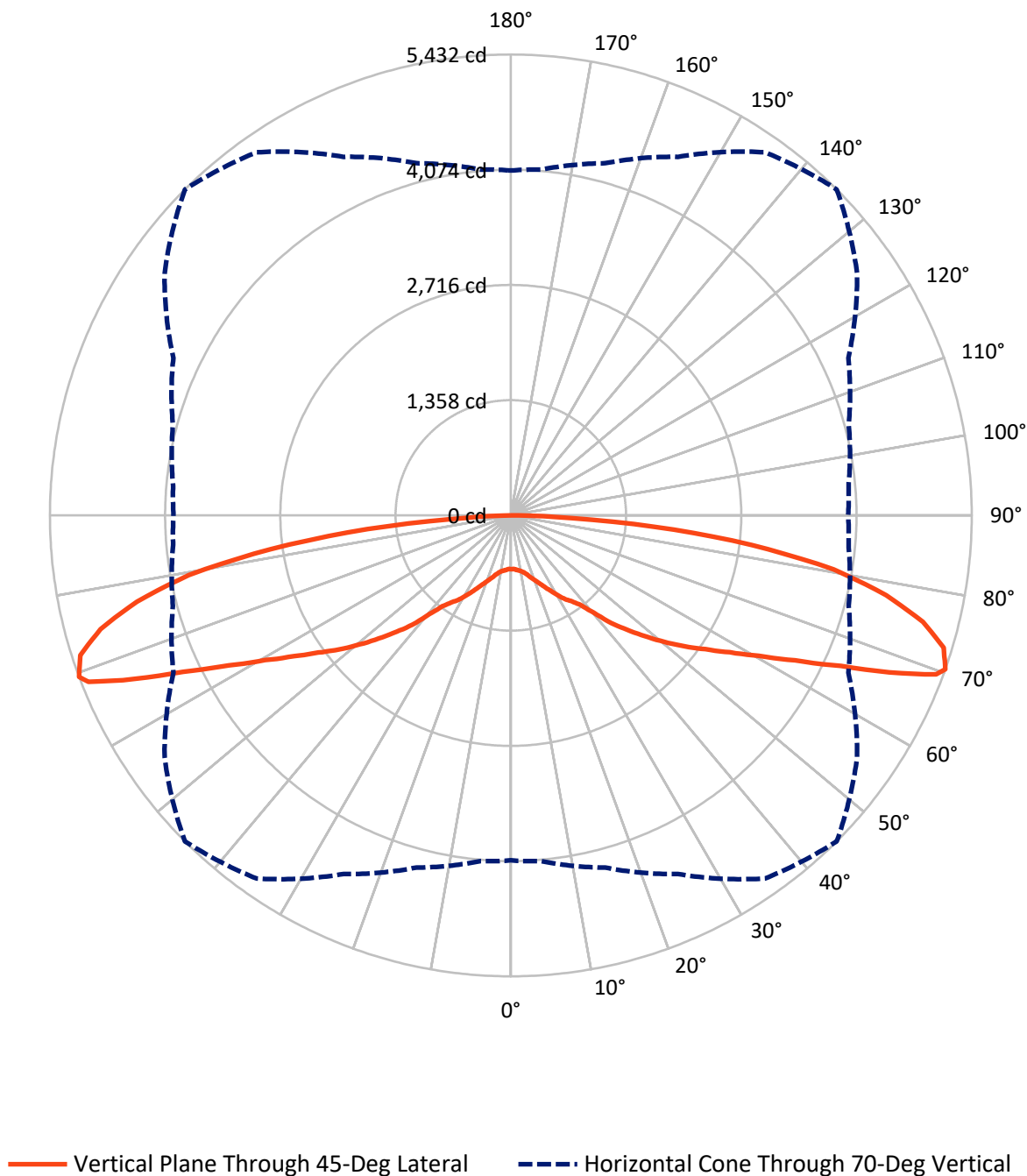


Based on 20 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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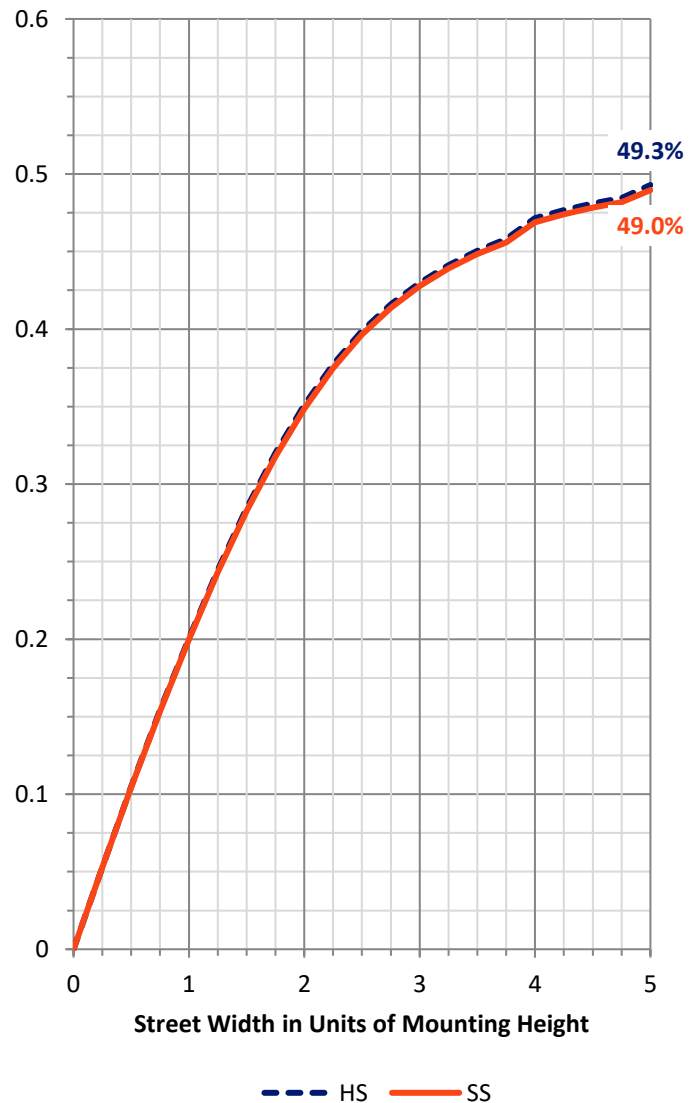
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7443.1	0.0	7443.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7443.1	0.0	7443.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14886.3	0.0	14886.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	0.4
10°-20°	207.7	1.4
20°-30°	429.5	2.9
30°-40°	786.9	5.3
40°-50°	1558.4	10.5
50°-60°	2670.4	17.9
60°-70°	4204.4	28.2
70°-80°	3929.3	26.4
80°-90°	1037.5	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°	14886.3	100.0
0°-180°	14886.3	100.0

Coefficient of Utilization



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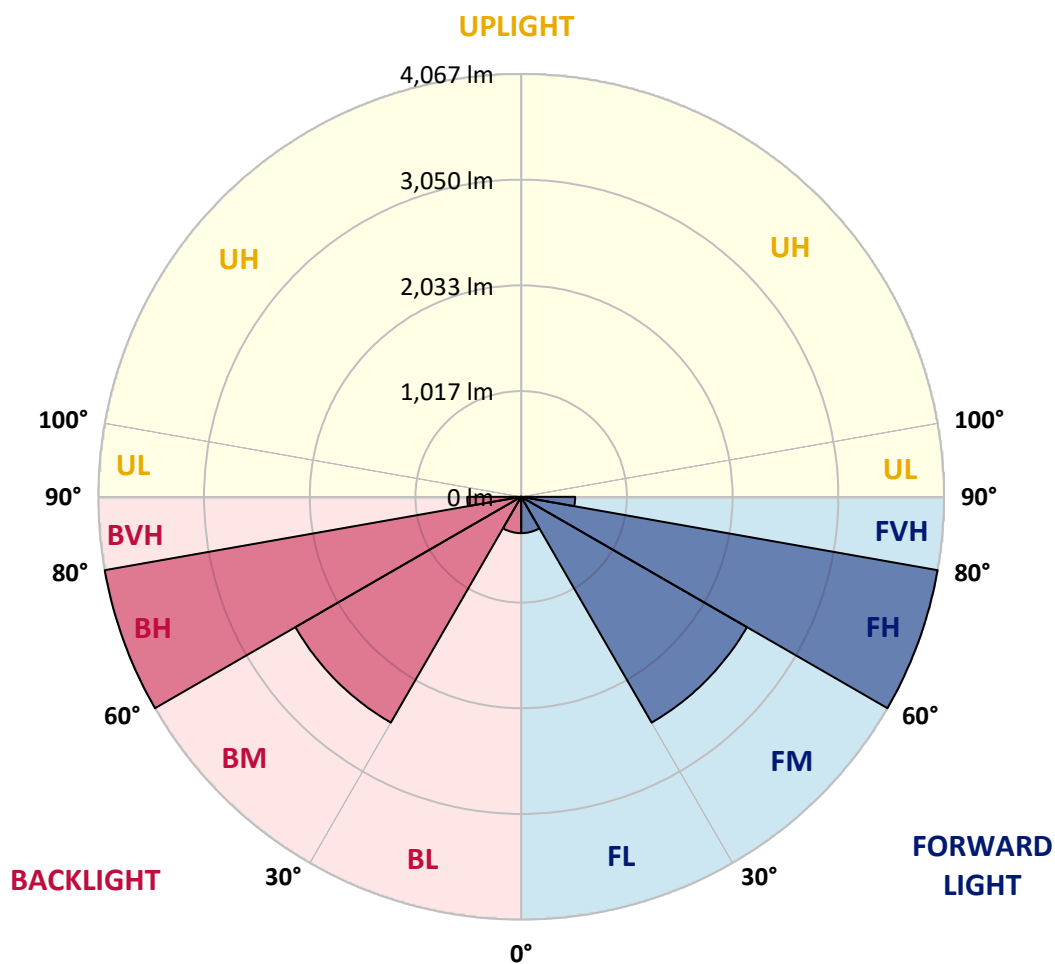
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.7	2.3			
FM	(30°-60°)	2507.8	16.8			
FH	(60°-80°)	4066.9	27.3			G2/5000
FVH	(80°-90°)	518.7	3.5			G4/750
BL	(0°-30°)	349.7	2.3	B1/500		
BM	(30°-60°)	2507.8	16.8	B3/5000		
BH	(60°-80°)	4066.9	27.3	B4/5000		G2/5000
BVH	(80°-90°)	518.7	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°	633.3	633.3	633.3	633.3	633.3	633.3	633.3	633.3	633.3	633.3	633.3
2.5°	642.1	642.8	641.5	634.6	633.9	631.9	631.2	633.9	633.9	633.9	632.5
5°	653.7	651.7	647.6	644.8	643.5	642.1	640.1	644.2	645.6	647.6	642.1
7.5°	661.3	661.3	660.5	655.8	657.9	653.7	650.4	653.7	656.5	655.1	654.4
10°	676.3	677.7	674.9	670.2	674.2	666.7	661.9	664.7	664.0	663.3	664.7
12.5°	696.8	698.2	694.8	690.6	696.1	689.3	684.5	683.8	682.5	681.7	679.7
15°	724.8	725.5	722.7	719.4	727.5	723.4	720.7	711.8	711.8	709.7	710.5
17.5°	758.3	761.6	759.6	759.6	772.6	769.9	758.3	748.0	751.5	746.6	746.6
20°	802.0	800.6	802.7	806.1	821.1	817.0	804.7	790.4	794.5	789.7	789.0
22.5°	852.5	853.2	854.6	857.4	879.2	871.7	858.6	847.1	846.3	843.7	844.3
25°	911.9	911.3	907.2	917.4	942.0	934.5	918.8	910.6	911.9	911.9	912.7
27.5°	972.0	967.3	965.9	966.6	1014.4	1010.3	985.7	970.7	973.4	978.9	980.9
30°	1032.2	1030.9	1027.4	1023.3	1077.9	1092.3	1048.6	1039.7	1043.2	1052.0	1054.1
32.5°	1113.4	1110.0	1106.6	1096.4	1131.2	1176.3	1120.3	1122.3	1131.9	1145.5	1147.7
35°	1203.6	1204.4	1194.7	1185.9	1205.7	1244.6	1217.3	1220.1	1241.2	1259.7	1264.5
37.5°	1313.6	1315.7	1300.0	1281.5	1299.3	1340.2	1321.8	1350.5	1403.8	1433.8	1446.1
40°	1498.7	1493.9	1470.7	1436.0	1452.3	1507.6	1527.4	1564.3	1638.1	1679.7	1695.5
42.5°	1757.0	1748.1	1717.4	1680.5	1685.2	1733.0	1761.8	1833.5	1912.7	1955.7	1964.0
45°	2003.5	1999.5	1965.3	1899.0	1879.2	1921.6	1957.8	2047.3	2133.4	2178.4	2196.9
47.5°	2280.9	2277.5	2229.7	2144.3	2108.8	2127.9	2152.4	2255.7	2330.8	2380.0	2390.9
50°	2578.1	2569.8	2518.6	2414.1	2347.9	2341.0	2369.1	2457.2	2543.9	2586.9	2583.5
52.5°	2880.0	2876.6	2823.3	2694.9	2608.1	2563.7	2575.3	2650.5	2734.5	2789.1	2792.5
55°	3192.2	3195.0	3134.8	2980.4	2862.3	2783.7	2776.8	2863.6	2947.6	2994.1	3007.0
57.5°	3515.3	3516.0	3440.1	3298.1	3147.1	3043.9	3007.8	3104.0	3183.3	3225.0	3248.9
60°	3816.6	3823.4	3760.5	3643.7	3499.6	3360.9	3302.1	3386.9	3468.8	3528.3	3528.9
62.5°	4160.1	4155.3	4097.4	4002.4	3911.5	3761.3	3651.9	3741.4	3825.4	3878.7	3904.0
65°	4489.4	4497.6	4483.9	4445.8	4393.1	4278.3	4136.9	4259.2	4315.3	4312.5	4337.1
67.5°	4398.6	4436.1	4526.3	4719.6	4919.1	4966.9	4742.8	4476.5	4356.9	4281.8	4257.2
69°	4221.7	4263.3	4423.2	4710.7	5137.0	5350.2	4925.2	4423.8	4239.4	4134.9	4113.0
70°	4064.5	4089.8	4296.1	4662.3	5223.1	5431.5	4980.6	4387.7	4122.0	3994.9	3975.0
72.5°	3582.3	3632.8	3861.6	4404.7	5164.4	5333.1	4960.1	4148.6	3787.9	3582.9	3561.1
75°	2953.7	3005.0	3319.3	3932.7	4835.1	5016.1	4647.2	3719.5	3254.3	3056.2	3015.3
77.5°	2104.6	2142.3	2507.7	3243.4	4276.3	4522.2	4124.0	3115.0	2614.2	2394.3	2341.7
80°	1232.3	1247.4	1608.7	2310.3	3410.1	3857.5	3404.0	2416.9	1868.3	1626.5	1592.3
82.5°	463.8	580.0	855.2	1428.4	2327.3	2861.5	2509.7	1649.7	1115.5	865.5	834.0
85°	141.4	193.3	365.5	707.7	1280.1	1697.5	1579.4	915.3	463.2	264.3	230.8
87.5°	24.6	31.4	84.1	227.5	472.7	477.5	370.2	168.0	33.5	12.3	11.7
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)