

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-BZ-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-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14300 lumens
Efficiency: N/A
Efficacy: 149.0 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 - G3

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



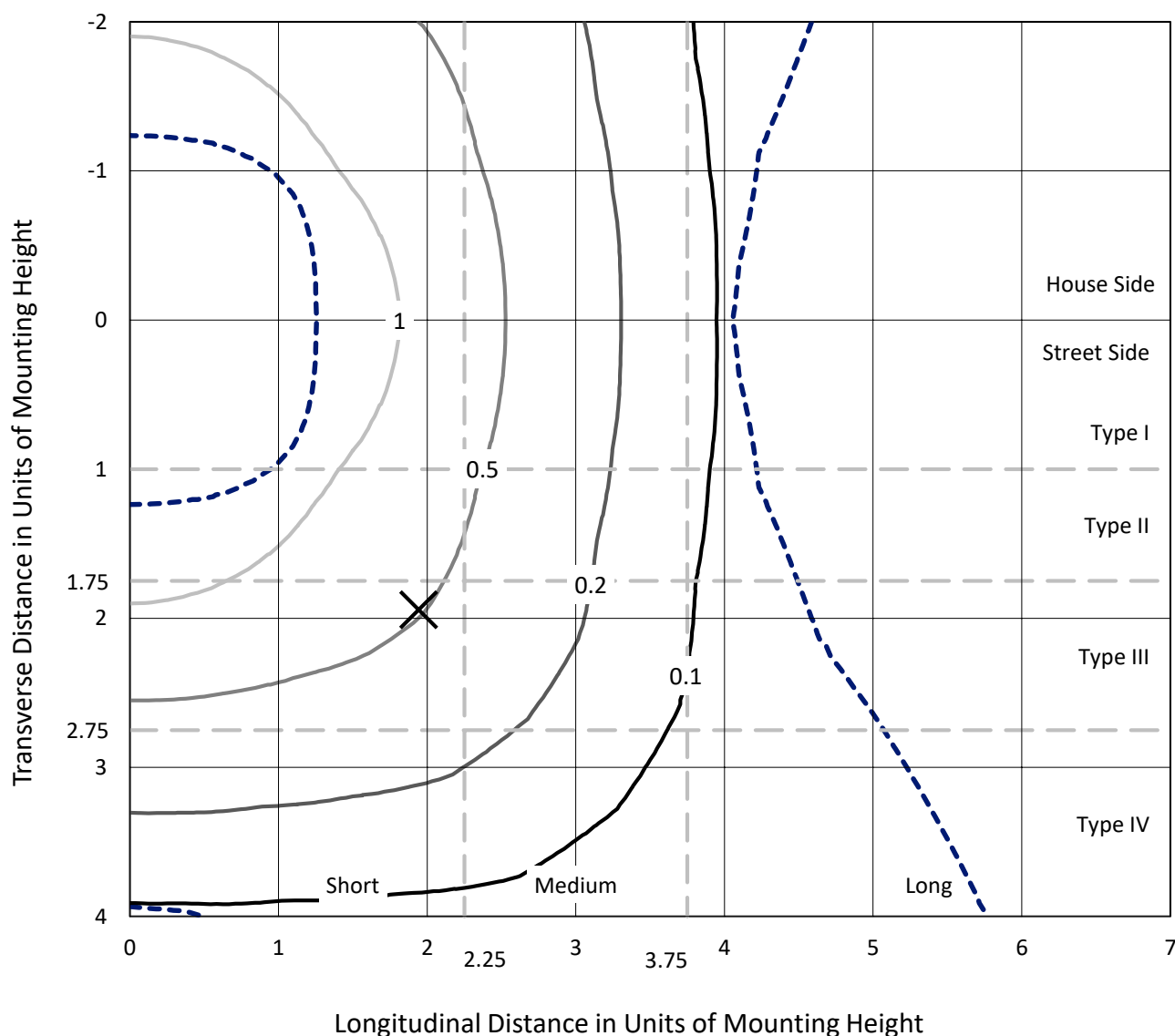
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

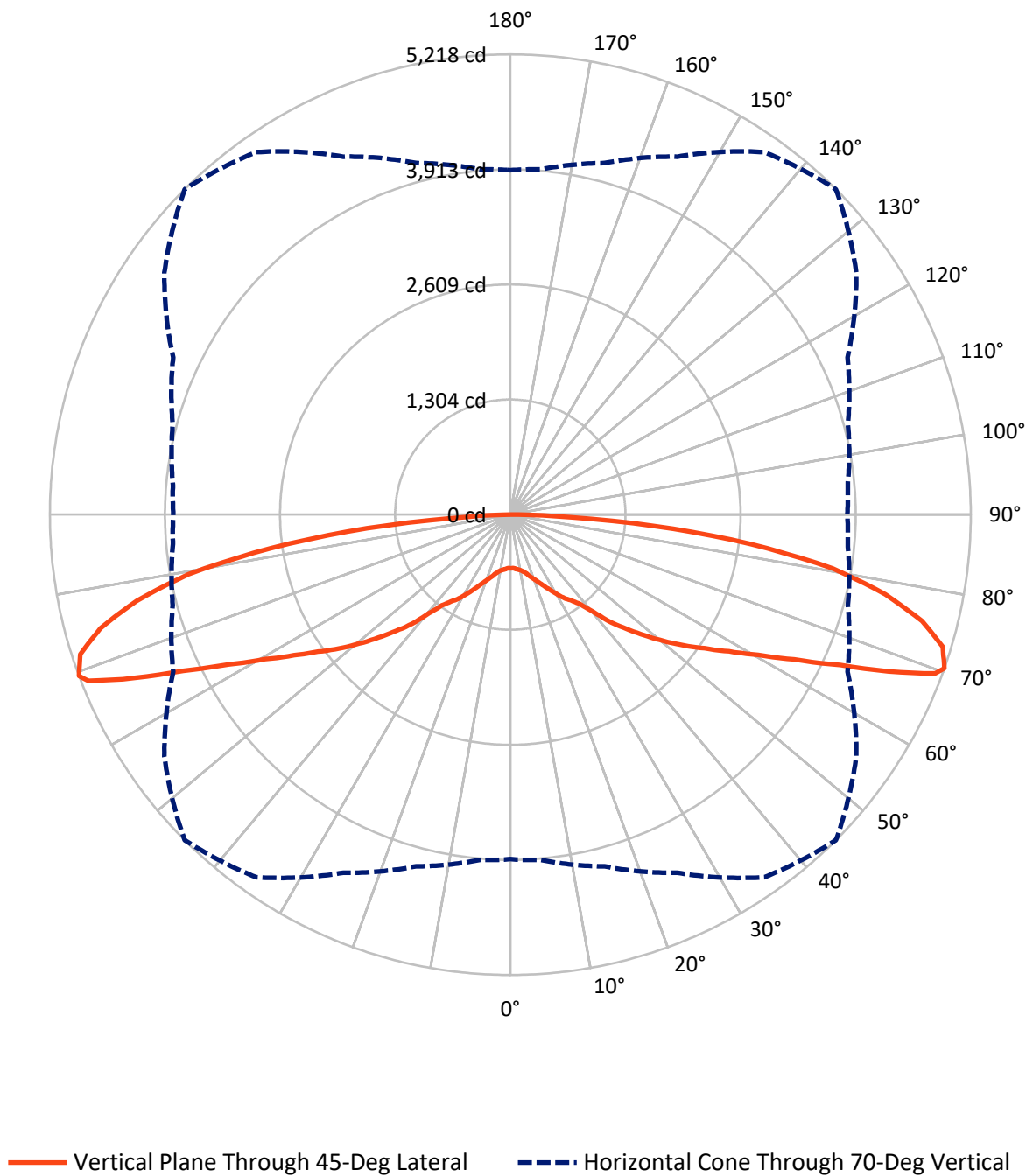


Based on 20 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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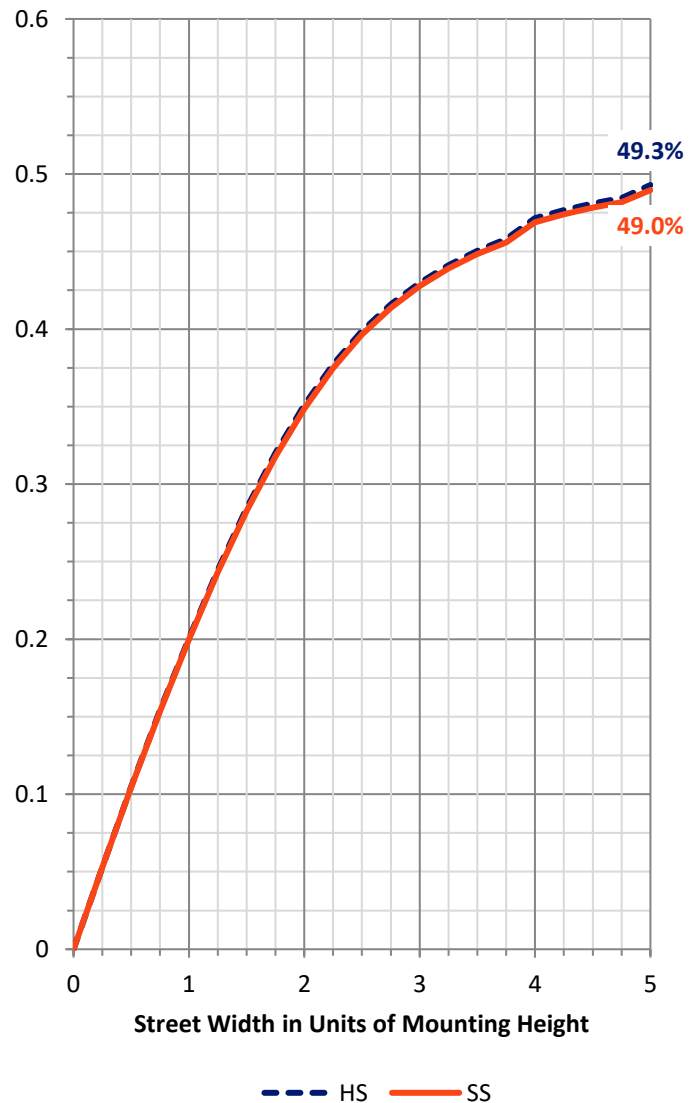
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7150.0	0.0	7150.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7150.0	0.0	7150.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14300.0	0.0	14300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	0.4
10°-20°	199.5	1.4
20°-30°	412.6	2.9
30°-40°	755.9	5.3
40°-50°	1497.0	10.5
50°-60°	2565.2	17.9
60°-70°	4038.9	28.2
70°-80°	3774.5	26.4
80°-90°	996.6	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°	14300.0	100.0
0°-180°	14300.0	100.0

Coefficient of Utilization



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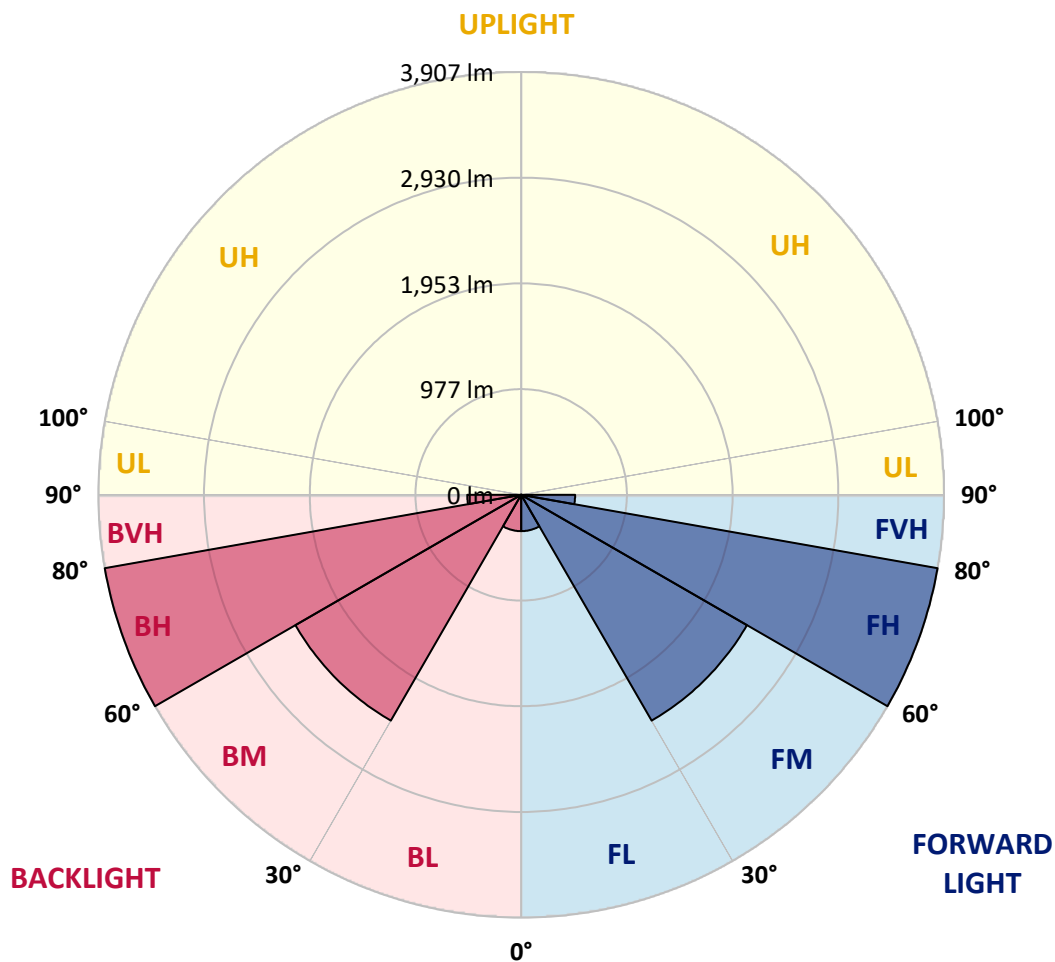
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	336.0	2.3			
FM	(30°-60°)	2409.0	16.8			
FH	(60°-80°)	3906.7	27.3			G2/5000
FVH	(80°-90°)	498.3	3.5			G3/500
BL	(0°-30°)	336.0	2.3	B1/500		
BM	(30°-60°)	2409.0	16.8	B2/2500		
BH	(60°-80°)	3906.7	27.3	B4/5000		G2/5000
BVH	(80°-90°)	498.3	3.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3	608.3
2.5°	616.8	617.5	616.2	609.6	609.0	607.0	606.3	609.0	609.0	609.0	607.6
5°	628.0	626.0	622.1	619.5	618.1	616.8	614.9	618.8	620.1	622.1	616.8
7.5°	635.2	635.2	634.6	630.0	631.9	628.0	624.7	628.0	630.6	629.3	628.6
10°	649.6	651.0	648.3	643.7	647.7	640.5	635.9	638.5	637.8	637.2	638.5
12.5°	669.3	670.6	667.4	663.4	668.7	662.1	657.5	656.9	655.6	654.9	652.9
15°	696.2	696.9	694.3	691.0	698.9	694.9	692.3	683.8	683.8	681.8	682.5
17.5°	728.4	731.7	729.7	729.7	742.2	739.5	728.4	718.5	721.8	717.2	717.2
20°	770.4	769.1	771.0	774.3	788.8	784.8	773.0	759.2	763.2	758.6	757.9
22.5°	818.9	819.6	820.9	823.5	844.5	837.3	824.9	813.7	813.0	810.4	811.1
25°	876.0	875.4	871.4	881.3	904.9	897.7	882.6	874.7	876.0	876.0	876.7
27.5°	933.8	929.2	927.9	928.5	974.5	970.5	946.9	932.5	935.1	940.3	942.3
30°	991.5	990.2	986.9	983.0	1035.5	1049.3	1007.3	998.7	1002.0	1010.6	1012.5
32.5°	1069.6	1066.3	1063.1	1053.2	1086.7	1130.0	1076.2	1078.2	1087.3	1100.5	1102.4
35°	1156.2	1156.9	1147.7	1139.2	1158.2	1195.6	1169.4	1172.0	1192.3	1210.0	1214.6
37.5°	1261.9	1263.9	1248.8	1231.0	1248.1	1287.5	1269.8	1297.3	1348.5	1377.4	1389.2
40°	1439.7	1435.1	1412.8	1379.4	1395.1	1448.3	1467.3	1502.7	1573.6	1613.6	1628.7
42.5°	1687.8	1679.2	1649.7	1614.3	1618.9	1664.8	1692.4	1761.3	1837.4	1878.7	1886.6
45°	1924.7	1920.7	1887.9	1824.3	1805.2	1845.9	1880.7	1966.7	2049.3	2092.6	2110.4
47.5°	2191.1	2187.8	2141.9	2059.8	2025.7	2044.1	2067.7	2166.8	2239.0	2286.2	2296.7
50°	2476.5	2468.7	2419.4	2319.0	2255.4	2248.8	2275.7	2360.4	2443.7	2485.1	2481.8
52.5°	2766.6	2763.3	2712.1	2588.7	2505.4	2462.8	2473.9	2546.1	2626.8	2679.3	2682.6
55°	3066.5	3069.1	3011.3	2863.0	2749.5	2674.1	2667.5	2750.8	2831.5	2876.2	2888.6
57.5°	3376.8	3377.5	3304.7	3168.2	3023.2	2924.1	2889.3	2981.8	3057.9	3098.0	3120.9
60°	3666.2	3672.8	3612.4	3500.2	3361.8	3228.5	3172.1	3253.5	3332.2	3389.3	3390.0
62.5°	3996.3	3991.7	3935.9	3844.7	3757.5	3613.1	3508.1	3594.1	3674.8	3726.0	3750.2
65°	4312.6	4320.5	4307.4	4270.6	4220.1	4109.8	3974.0	4091.5	4145.3	4142.6	4166.3
67.5°	4225.3	4261.4	4348.0	4533.7	4725.4	4771.3	4556.1	4300.1	4185.3	4113.1	4089.5
69°	4055.4	4095.4	4249.0	4525.2	4934.7	5139.4	4731.3	4249.6	4072.4	3972.0	3951.0
70°	3904.4	3928.7	4126.9	4478.6	5017.4	5217.5	4784.4	4214.8	3959.6	3837.5	3818.5
72.5°	3441.2	3489.7	3709.5	4231.2	4960.9	5123.0	4764.7	3985.2	3638.7	3441.8	3420.8
75°	2837.4	2886.7	3188.5	3777.8	4644.6	4818.5	4464.2	3573.1	3126.2	2935.9	2896.5
77.5°	2021.8	2057.9	2408.9	3115.7	4107.9	4344.1	3961.5	2992.3	2511.3	2300.0	2249.5
80°	1183.8	1198.2	1545.4	2219.3	3275.8	3705.6	3269.9	2321.7	1794.7	1562.4	1529.6
82.5°	445.6	557.1	821.6	1372.1	2235.7	2748.9	2410.9	1584.7	1071.6	831.4	801.2
85°	135.8	185.7	351.1	679.8	1229.7	1630.7	1517.2	879.3	444.9	254.0	221.8
87.5°	23.6	30.2	80.7	218.5	454.1	458.7	355.7	161.4	32.2	11.8	11.2
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)