

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: McGRAW-EDISON

Report Number: P629907

Luminaire Tested: GWS-SA1C-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4907.7 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

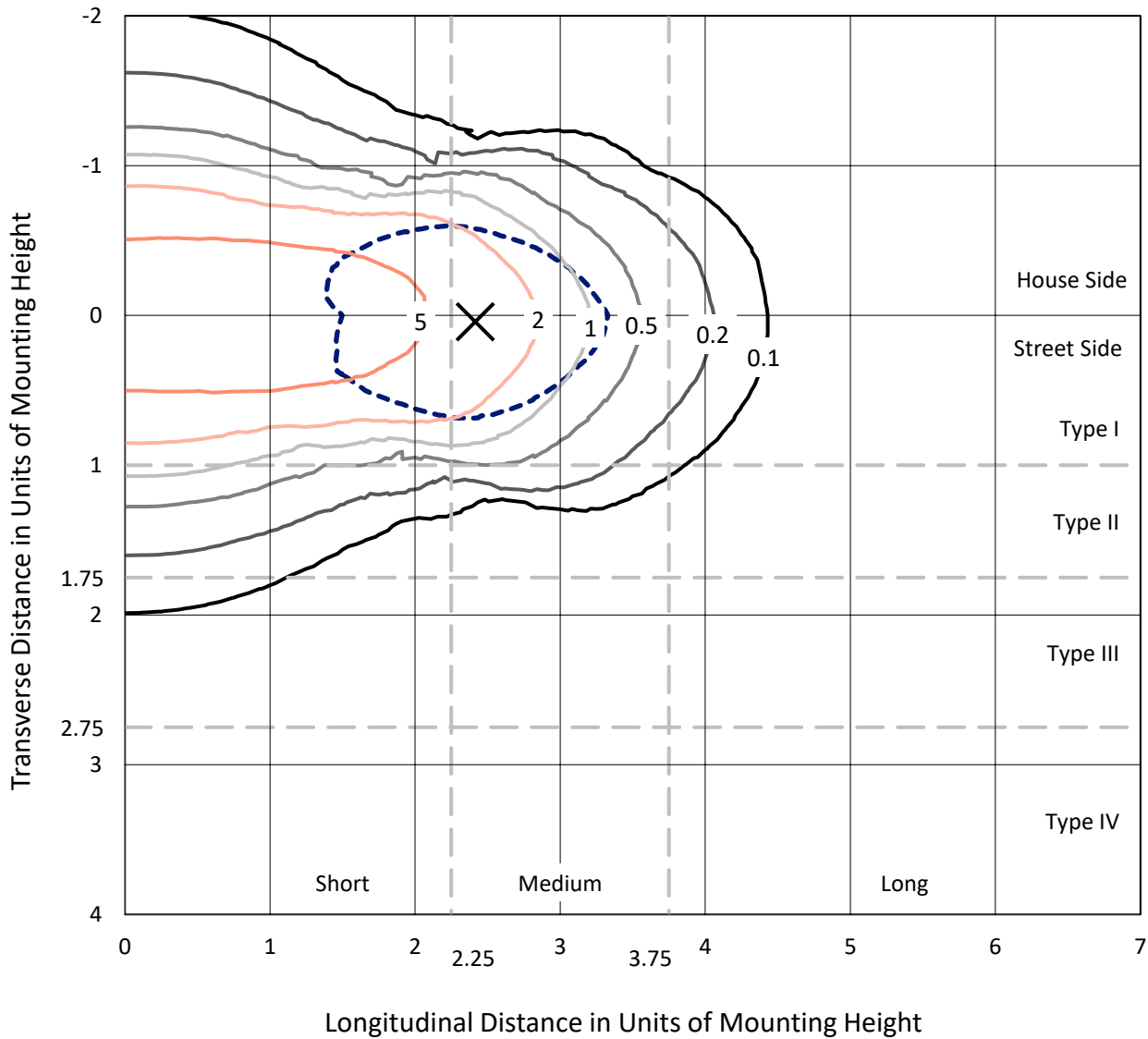
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

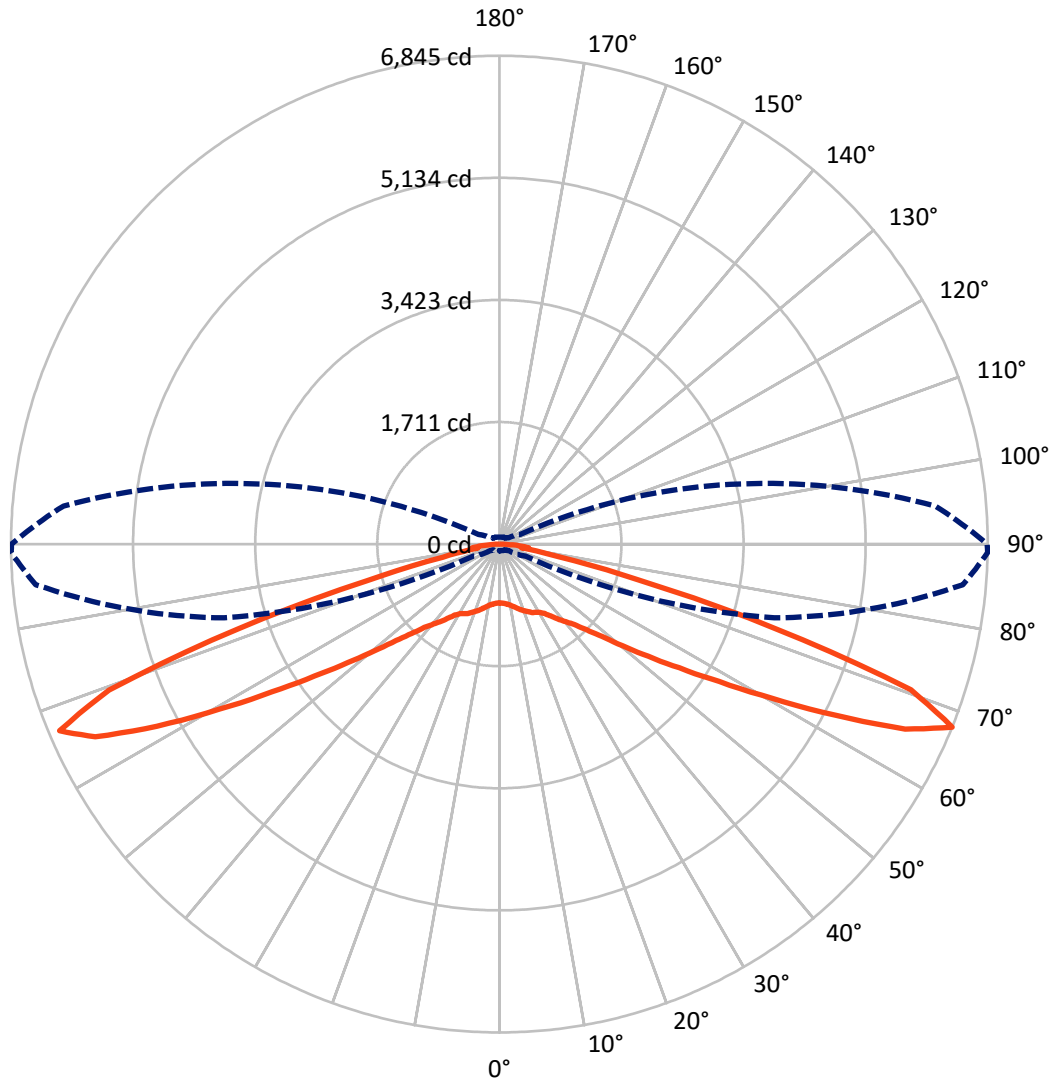
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2432.3	0.0	2432.3
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	2475.4	0.0	2475.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	4907.7	0.0	4907.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	1.7
10°-20°	269.0	5.5
20°-30°	454.8	9.3
30°-40°	624.2	12.7
40°-50°	795.9	16.2
50°-60°	998.6	20.3
60°-70°	1204.4	24.5
70°-80°	435.7	8.9
80°-90°	42.4	0.9
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°	4907.7	100.0
0°-180°	4907.7	100.0

Coefficient of Utilization

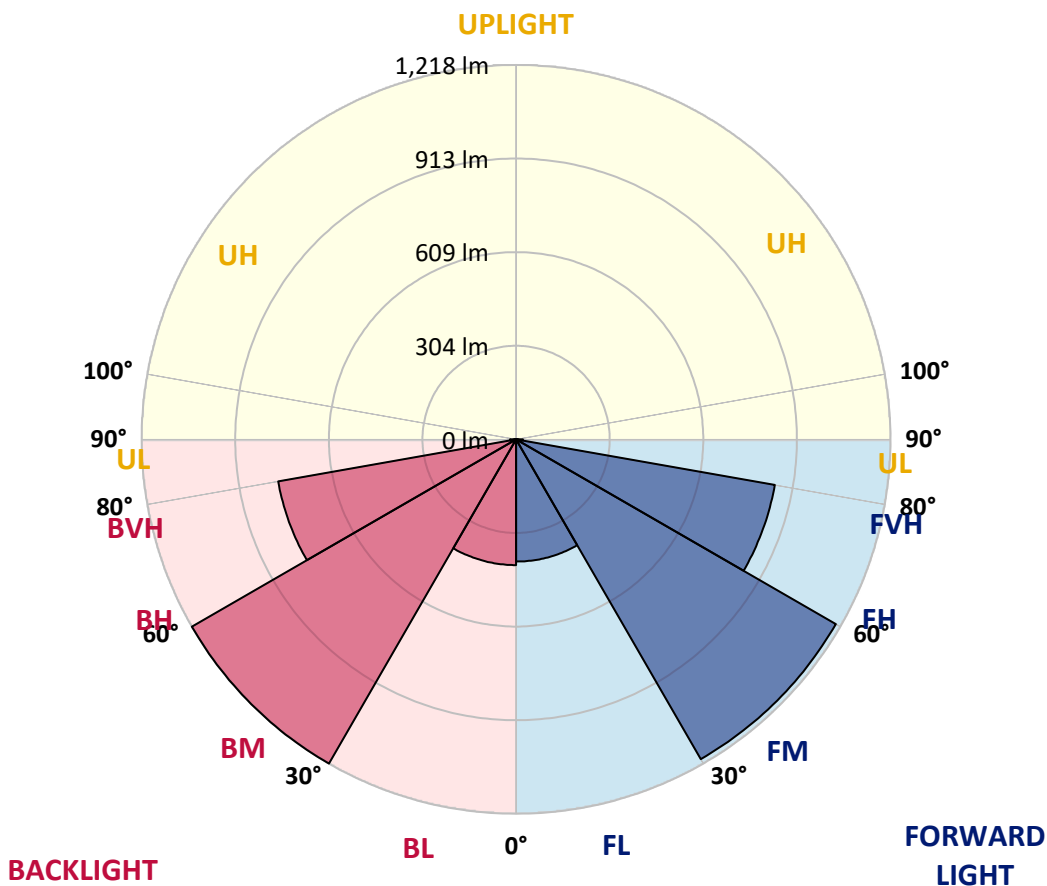


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.5	8.1			
FM (30°-60°)	1201.0	24.5			
FH (60°-80°)	854.5	17.4			G1/1800
FVH (80°-90°)	22.4	0.5			G1/100
BL (0°-30°)	409.0	8.3	B1/500		
BM (30°-60°)	1217.7	24.8	B2/2500		
BH (60°-80°)	785.6	16.0	B2/1000		G2/1000
BVH (80°-90°)	20.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7
2.5°	826.2	825.5	823.7	829.0	827.9	828.3	830.4	829.0	826.5	822.3	828.3
5°	849.4	849.1	845.2	848.4	844.9	842.4	842.0	838.5	835.7	831.1	837.5
7.5°	872.0	871.7	868.5	874.1	871.3	868.5	865.3	858.3	851.6	844.9	851.9
10°	889.3	888.9	888.2	896.3	897.0	898.1	896.7	884.7	873.1	865.0	872.0
12.5°	899.1	900.2	902.0	916.8	924.2	931.2	933.0	923.1	903.7	892.1	900.6
15°	892.4	894.6	903.4	930.2	950.6	966.5	973.2	965.1	940.0	920.6	930.2
17.5°	860.4	862.1	879.4	920.3	965.4	1002.1	1013.0	1008.1	980.2	956.6	965.8
20°	816.0	819.8	838.5	895.6	962.9	1026.7	1056.0	1054.2	1023.9	987.6	998.5
22.5°	775.8	780.4	800.1	863.2	946.4	1033.1	1099.3	1103.9	1063.7	1018.6	1027.4
25°	730.7	734.9	760.3	824.8	917.8	1028.1	1136.4	1157.2	1108.9	1054.2	1062.3
27.5°	684.5	687.7	712.7	781.4	880.5	1019.0	1165.6	1215.7	1153.3	1078.9	1084.5
30°	644.0	648.2	671.1	738.1	839.6	1000.7	1189.6	1278.0	1204.4	1106.7	1111.3
32.5°	604.8	608.4	633.4	695.4	796.2	972.5	1211.1	1351.4	1280.2	1158.6	1158.6
35°	555.5	561.8	590.0	654.5	755.3	935.1	1226.6	1436.7	1383.8	1235.0	1235.4
37.5°	510.0	513.5	543.2	608.4	712.3	892.8	1228.0	1525.1	1514.9	1332.3	1333.0
40°	458.2	462.8	494.5	559.0	663.0	848.4	1214.6	1607.6	1652.4	1432.4	1428.6
42.5°	405.7	412.4	442.7	505.8	609.8	794.1	1179.0	1686.2	1826.8	1548.4	1538.9
45°	354.9	359.2	389.5	449.0	548.8	729.3	1121.9	1761.6	2034.1	1724.6	1710.9
47.5°	297.8	299.6	331.0	388.1	485.7	657.0	1040.1	1829.0	2261.8	1958.0	1934.3
50°	247.1	249.5	274.2	323.2	408.5	571.4	938.3	1868.4	2551.9	2276.2	2235.4
52.5°	199.8	202.3	222.1	261.2	337.7	473.7	812.1	1859.3	2846.2	2671.4	2611.8
55°	161.4	163.2	176.6	207.3	265.8	376.8	663.0	1777.1	3172.9	3187.4	3059.1
57.5°	136.4	137.1	146.3	165.0	207.6	290.4	511.8	1583.3	3515.5	3845.8	3635.0
60°	122.0	122.3	126.5	138.2	163.9	221.7	375.0	1274.5	3870.5	4669.5	4380.5
62.5°	112.8	112.8	116.3	123.0	136.1	170.6	275.6	915.4	4125.3	5565.8	5278.6
65°	104.0	104.0	106.4	112.1	119.1	139.2	206.9	590.4	4250.4	6315.2	6251.4
67.5°	92.7	93.1	94.8	100.8	107.2	116.3	156.8	399.3	3990.6	6522.4	6845.3
70°	82.1	82.5	84.9	88.8	94.1	100.5	122.7	275.3	2904.7	5432.2	6120.6
72.5°	70.5	71.9	73.7	77.9	81.1	85.6	100.1	178.3	1690.1	3494.4	4046.0
75°	57.8	59.6	61.7	65.9	68.0	69.8	82.5	127.2	813.1	1770.8	2016.5
77.5°	44.8	46.5	49.0	52.9	54.3	56.4	63.1	92.0	389.5	784.9	846.3
80°	30.0	30.7	32.8	37.4	39.8	41.2	46.5	62.7	169.2	315.1	312.3
82.5°	18.3	18.7	19.4	22.2	23.3	24.7	30.3	38.4	80.7	358.1	410.6
85°	6.7	6.3	6.0	7.8	9.2	10.6	14.1	19.4	35.2	246.0	275.3
87.5°	0.0	0.0	0.0	0.4	0.7	0.7	1.4	2.8	8.5	92.0	63.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7	823.7
2.5°	826.5	822.7	827.6	831.1	838.9	841.7	842.4	839.9	839.9	835.7	836.4
5°	836.1	833.6	841.7	847.7	859.0	863.2	866.0	864.3	865.3	862.5	863.2
7.5°	850.5	848.4	862.5	874.1	885.8	890.7	893.2	891.7	892.1	888.6	889.6
10°	870.6	871.3	888.2	903.4	918.9	923.8	924.9	920.6	917.1	910.8	911.1
12.5°	898.1	901.6	925.6	942.5	958.4	965.4	957.7	942.1	927.7	916.8	915.4
15°	928.0	934.4	968.9	990.4	1007.7	1004.2	981.3	946.4	917.8	901.6	898.4
17.5°	964.0	973.5	1016.9	1042.6	1057.4	1034.8	986.9	934.7	894.9	873.1	868.8
20°	997.8	1013.0	1067.6	1101.1	1102.9	1052.1	984.4	911.1	861.1	834.3	828.7
22.5°	1028.9	1048.2	1120.8	1163.5	1140.6	1059.9	969.3	877.6	820.2	788.8	783.9
25°	1062.7	1090.2	1182.9	1222.7	1178.3	1056.7	937.6	836.1	770.8	738.8	735.2
27.5°	1086.0	1120.5	1245.3	1283.3	1209.3	1038.7	896.7	790.6	725.7	695.4	690.5
30°	1112.7	1156.8	1314.0	1349.2	1228.4	1012.3	853.0	748.3	683.8	651.0	647.5
32.5°	1161.4	1216.7	1399.3	1419.0	1234.3	979.5	811.0	707.4	640.1	607.3	602.4
35°	1239.6	1304.5	1519.1	1496.9	1229.8	943.6	771.2	659.5	595.3	564.7	559.7
37.5°	1338.3	1419.0	1652.7	1567.1	1217.1	904.1	724.0	619.3	555.1	524.1	521.3
40°	1430.3	1529.7	1802.5	1627.7	1191.3	855.4	678.5	577.3	511.8	479.0	472.7
42.5°	1545.6	1677.7	1975.9	1680.2	1149.0	797.3	627.4	525.5	457.5	427.9	420.1
45°	1720.7	1885.0	2177.5	1730.6	1086.0	725.7	563.2	462.4	397.9	367.6	361.6
47.5°	1939.3	2144.1	2396.1	1760.6	990.1	650.3	490.6	395.8	331.3	297.1	294.3
50°	2246.3	2520.9	2630.5	1755.3	882.9	560.8	408.9	316.5	262.6	237.9	234.0
52.5°	2620.2	2993.9	2883.9	1691.8	769.1	458.9	318.6	248.5	208.3	190.7	187.5
55°	3089.4	3560.3	3150.7	1555.8	625.3	351.4	250.3	196.0	168.5	157.9	156.5
57.5°	3670.3	4293.8	3407.7	1326.7	470.2	268.2	192.8	161.8	148.7	142.4	142.0
60°	4436.9	5072.4	3630.8	1031.0	336.6	205.1	159.3	144.5	134.3	130.1	129.7
62.5°	5348.4	5779.4	3769.6	702.1	253.1	163.5	140.3	131.1	125.1	122.7	122.3
65°	6285.2	6226.3	3703.4	460.0	192.1	138.9	125.8	120.9	115.6	113.1	113.1
67.5°	6838.6	6131.9	3194.8	319.3	152.3	122.0	113.5	108.9	100.1	98.0	98.0
70°	6057.2	4968.7	2094.0	233.7	123.4	106.8	98.7	92.3	88.8	86.7	86.4
72.5°	4006.2	3233.2	1113.4	162.1	102.9	90.9	83.5	81.1	76.8	74.7	74.4
75°	1993.9	1698.2	570.6	117.0	85.6	73.0	69.8	68.7	65.2	62.4	61.7
77.5°	831.1	756.0	266.1	84.9	65.2	58.9	56.0	56.0	52.2	49.0	47.6
80°	313.3	279.2	125.8	58.2	48.3	43.7	41.9	40.5	37.4	33.5	31.4
82.5°	419.1	273.9	61.7	36.3	31.7	28.2	25.7	24.7	22.9	21.1	19.7
85°	271.4	194.6	27.8	18.7	15.9	12.0	10.6	9.9	8.8	7.8	7.0
87.5°	55.3	65.2	8.5	3.5	2.1	1.1	1.1	0.4	0.0	0.0	0.0
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)