

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: P629836

Luminaire Tested: GWS-SA1C-740-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2822.4 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

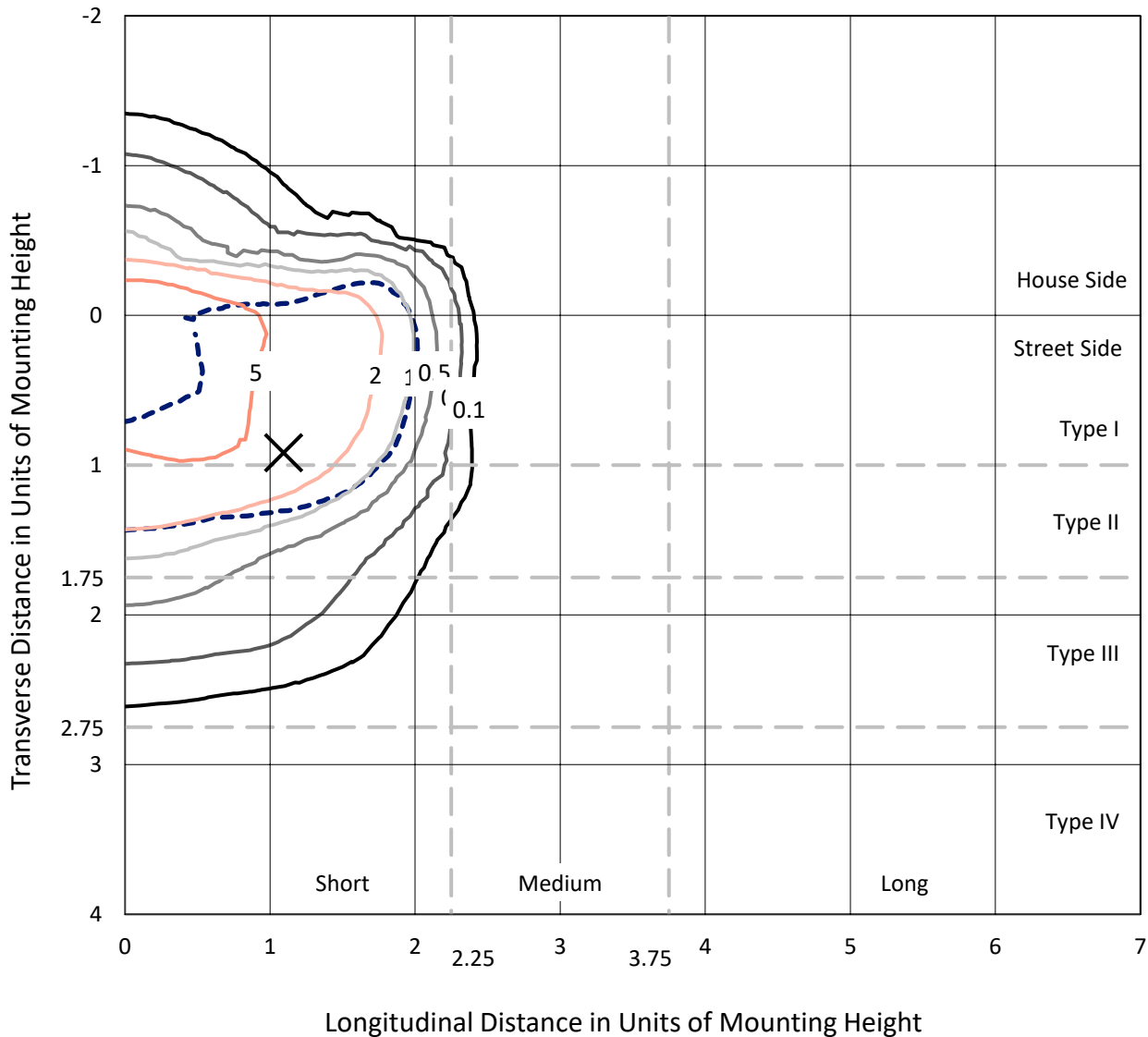
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

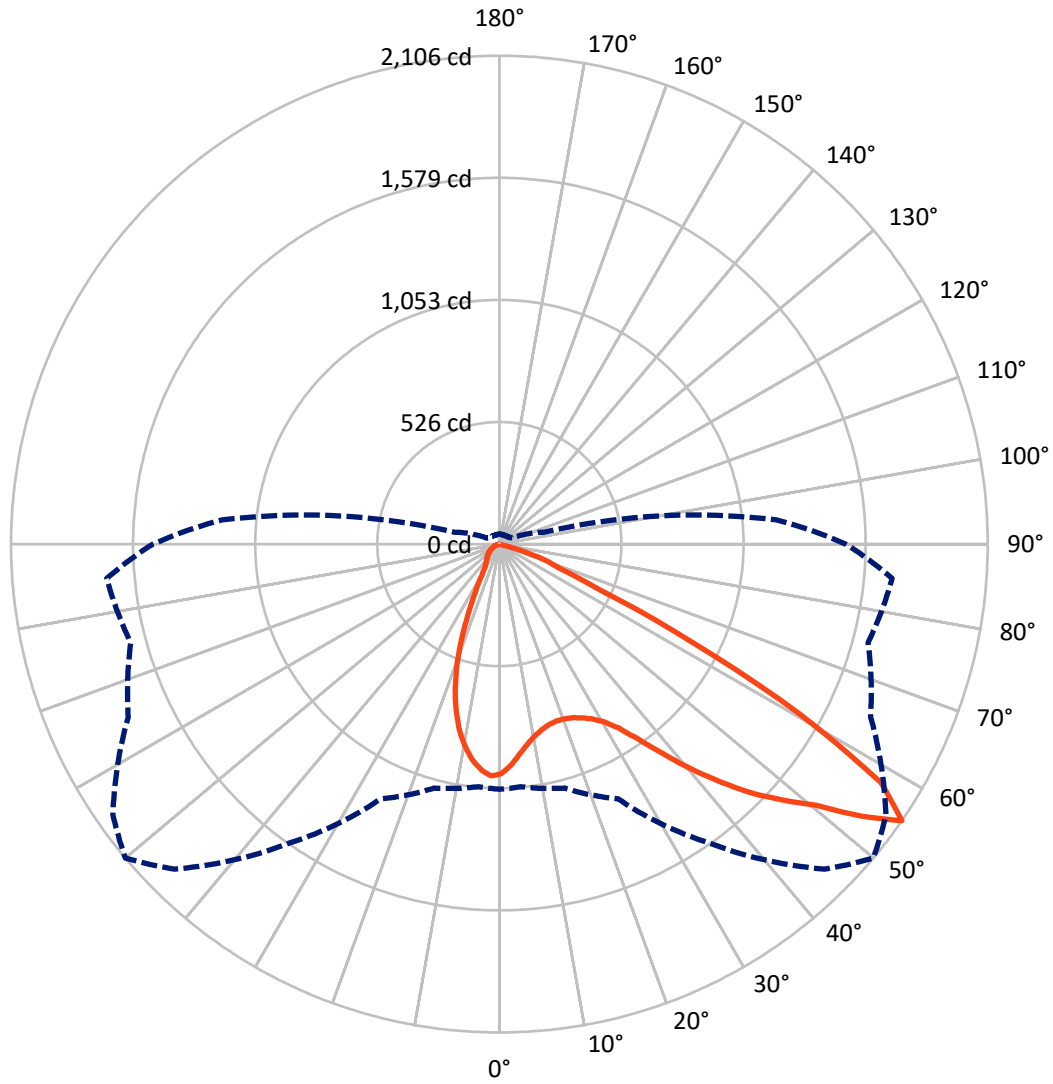
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	556.2	0.0	556.2
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2266.3	0.0	2266.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	2822.4	0.0	2822.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	3.1
10°-20°	214.0	7.6
20°-30°	301.9	10.7
30°-40°	446.7	15.8
40°-50°	644.4	22.8
50°-60°	760.2	26.9
60°-70°	339.1	12.0
70°-80°	29.1	1.0
80°-90°	0.0	0.0
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°	2822.4	100.0
0°-180°	2822.4	100.0

Coefficient of Utilization



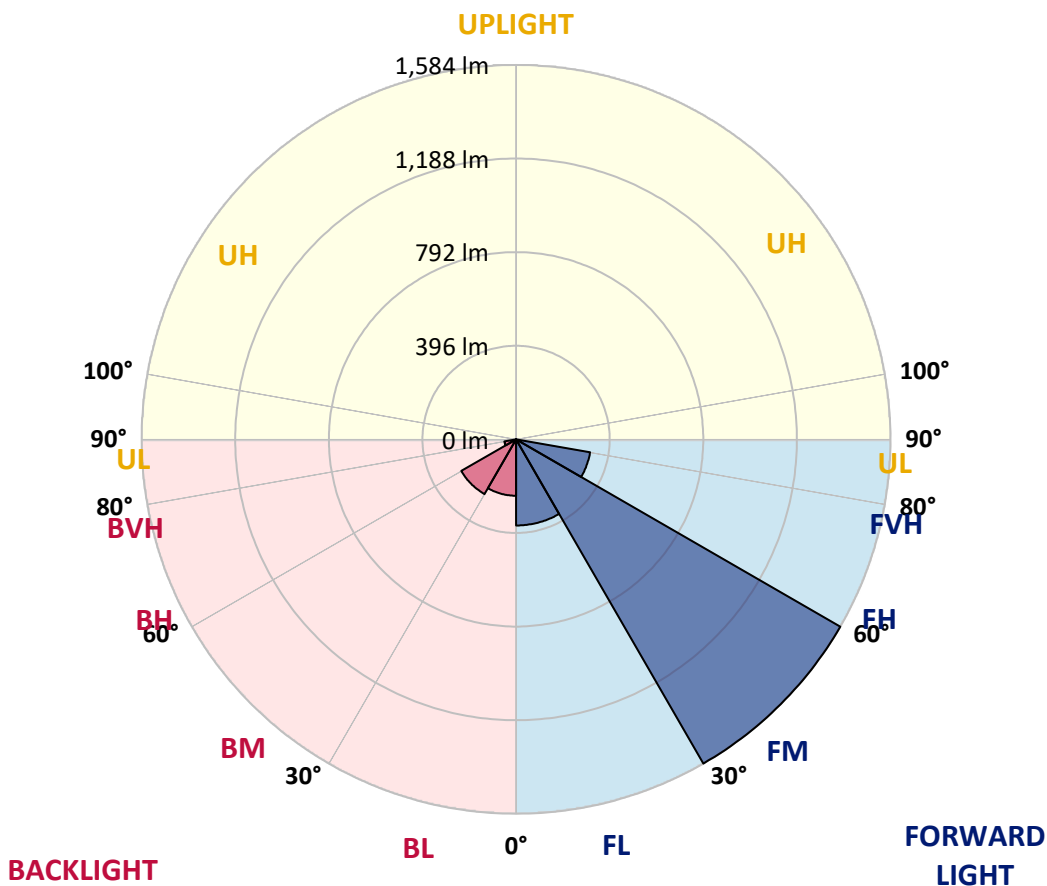
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	364.4	12.9			
FM (30°-60°)	1583.8	56.1			
FH (60°-80°)	318.0	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	238.5	8.4	B1/500		
BM (30°-60°)	267.5	9.5	B1/1000		
BH (60°-80°)	50.2	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3
2.5°	920.0	920.7	921.0	930.3	933.7	947.5	954.8	958.6	968.5	980.3	989.9
5°	858.3	857.3	859.0	870.7	878.3	898.6	909.6	917.2	939.3	966.8	989.9
7.5°	804.5	806.6	808.7	821.4	832.8	854.8	870.7	882.1	912.7	953.7	992.7
10°	766.6	766.6	769.7	784.2	797.6	824.9	840.7	855.2	891.7	942.0	995.8
12.5°	738.7	739.1	742.9	759.4	774.9	803.2	819.7	833.8	874.1	930.3	996.5
15°	725.6	724.6	727.7	745.3	762.5	789.0	806.3	820.0	861.7	923.8	999.9
17.5°	722.2	721.5	723.9	741.1	758.7	784.6	801.4	815.2	860.0	925.8	1010.2
20°	732.2	730.8	729.8	744.6	761.1	786.6	804.2	819.7	868.3	937.2	1026.1
22.5°	756.0	756.0	753.5	760.8	771.8	794.9	813.2	833.5	890.0	959.9	1049.5
25°	799.7	796.3	791.8	794.9	793.5	808.0	829.7	857.9	931.0	997.5	1078.1
27.5°	849.7	852.8	845.2	845.5	833.5	828.3	853.5	896.2	992.0	1050.6	1120.5
30°	917.6	915.1	915.5	914.5	886.5	862.1	889.3	946.2	1068.8	1131.5	1175.6
32.5°	970.6	974.1	985.4	992.0	955.5	916.2	945.1	1014.0	1156.3	1223.9	1243.2
35°	1026.8	1033.0	1056.1	1077.4	1046.8	1001.6	1032.6	1104.0	1238.7	1315.2	1320.7
37.5°	1086.0	1098.4	1126.0	1163.6	1158.7	1118.8	1147.0	1209.7	1303.5	1370.3	1384.8
40°	1153.9	1166.0	1211.1	1265.2	1276.6	1267.6	1276.9	1313.4	1346.2	1372.7	1412.3
42.5°	1228.3	1244.9	1302.1	1374.4	1417.2	1425.1	1403.4	1399.6	1364.8	1345.1	1406.5
45°	1316.2	1335.5	1400.3	1494.0	1561.9	1572.6	1535.0	1486.4	1376.5	1324.8	1388.9
47.5°	1414.7	1433.0	1497.4	1610.1	1711.1	1715.2	1649.7	1571.5	1411.3	1348.2	1402.3
50°	1447.8	1459.2	1515.0	1647.3	1833.4	1865.1	1770.3	1667.3	1481.2	1417.2	1467.8
52.5°	1334.1	1338.6	1387.2	1520.9	1808.6	2012.2	1946.4	1810.3	1605.6	1522.2	1568.8
55°	1057.1	1049.9	1089.1	1211.8	1571.9	1982.2	2105.9	2034.9	1765.9	1645.6	1700.0
57.5°	739.4	730.8	721.8	804.9	1172.9	1680.4	1940.5	2066.3	1918.5	1767.9	1841.7
60°	607.8	599.5	556.1	517.9	709.1	1206.6	1490.6	1727.3	1906.1	1761.7	1837.2
62.5°	525.1	520.3	502.7	450.7	417.3	688.8	933.4	1160.1	1462.6	1383.4	1387.5
65°	412.4	411.1	423.1	428.6	369.0	381.1	476.2	603.0	790.8	745.6	707.0
67.5°	281.8	278.7	301.5	370.7	354.9	300.8	278.7	281.2	342.1	209.1	166.1
70°	179.2	171.9	172.3	229.8	288.7	237.4	215.0	189.2	170.2	31.0	35.1
72.5°	114.7	110.3	94.8	103.7	133.7	115.8	116.8	100.6	67.2	16.5	19.3
75°	48.2	44.4	34.1	27.2	26.9	16.9	14.8	13.8	9.3	9.3	10.0
77.5°	0.3	0.0	0.0	0.3	0.7	0.3	0.3	0.7	1.4	2.1	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3	990.3
2.5°	995.8	987.5	996.8	1000.2	999.9	1000.2	990.3	983.4	983.0	974.4	970.3
5°	999.6	993.0	999.9	995.4	984.7	971.3	953.4	937.9	931.0	921.0	916.2
7.5°	1006.8	999.9	998.9	981.0	954.4	926.2	894.5	866.2	851.1	832.8	833.8
10°	1012.0	1004.0	990.6	954.1	910.0	864.8	817.6	775.6	749.1	724.6	720.5
12.5°	1014.0	1002.3	971.0	915.8	853.8	794.9	725.6	665.7	624.3	592.3	587.8
15°	1017.8	998.9	945.8	869.7	784.6	701.2	613.0	531.0	476.2	439.3	442.4
17.5°	1023.7	995.1	917.6	818.0	710.1	592.3	473.1	379.0	328.7	307.3	307.7
20°	1031.9	990.6	886.5	761.1	620.9	469.3	330.8	259.8	245.7	245.0	243.9
22.5°	1043.0	986.1	853.5	698.8	515.1	328.7	220.2	198.1	204.0	215.3	217.4
25°	1056.1	980.6	816.6	628.5	399.7	215.7	165.0	161.6	175.7	190.9	194.3
27.5°	1076.4	977.9	774.6	548.5	280.5	154.7	135.1	137.1	149.9	162.6	165.7
30°	1110.8	983.0	728.7	458.9	180.2	123.4	117.1	120.3	127.1	133.7	136.4
32.5°	1157.7	998.2	684.3	361.1	128.5	107.2	105.8	107.5	110.3	114.0	115.1
35°	1212.5	1024.4	638.5	258.4	106.1	97.9	96.5	96.5	97.9	98.5	98.9
37.5°	1257.6	1051.9	595.4	171.9	95.1	90.6	88.6	87.5	87.2	87.9	88.2
40°	1277.3	1063.3	548.5	125.1	87.2	84.1	81.0	77.9	77.9	80.3	80.6
42.5°	1263.5	1050.6	494.4	103.4	81.7	77.2	72.4	69.6	71.0	73.4	74.1
45°	1234.2	1019.2	434.8	91.3	76.1	70.3	64.8	63.1	64.4	67.5	68.2
47.5°	1229.4	998.5	363.5	83.4	70.3	64.4	58.6	56.9	58.6	61.0	61.7
50°	1277.3	1016.4	284.3	76.5	64.8	58.2	53.4	51.7	52.7	54.1	54.8
52.5°	1364.8	1082.9	229.5	69.9	58.2	52.0	48.9	46.9	46.9	48.2	48.6
55°	1494.0	1199.1	198.1	62.4	50.6	47.2	44.4	42.4	42.4	43.1	43.4
57.5°	1642.8	1339.6	205.4	52.4	44.4	42.7	40.3	38.6	39.3	39.3	39.3
60°	1622.2	1329.3	219.8	44.1	39.3	38.6	36.5	35.8	37.6	36.2	35.5
62.5°	1194.9	918.2	115.1	36.2	33.8	33.1	31.7	33.1	35.5	31.7	30.3
65°	580.2	444.5	46.2	29.6	28.6	27.9	27.2	29.3	30.7	24.8	23.4
67.5°	136.4	110.9	30.0	25.2	23.8	22.4	23.1	23.4	22.4	16.9	16.2
70°	35.5	34.8	23.4	21.0	19.0	17.6	17.6	17.2	14.8	10.7	10.0
72.5°	19.3	19.0	16.9	15.8	13.1	11.7	12.1	10.7	8.3	6.2	5.9
75°	9.6	10.3	9.6	9.0	7.2	6.5	6.5	5.9	4.1	2.4	2.4
77.5°	2.1	2.4	2.4	2.1	1.7	1.4	1.4	1.7	0.7	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)