

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: P629396

Luminaire Tested: GWS-SA1B-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629396  
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-SA1B-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

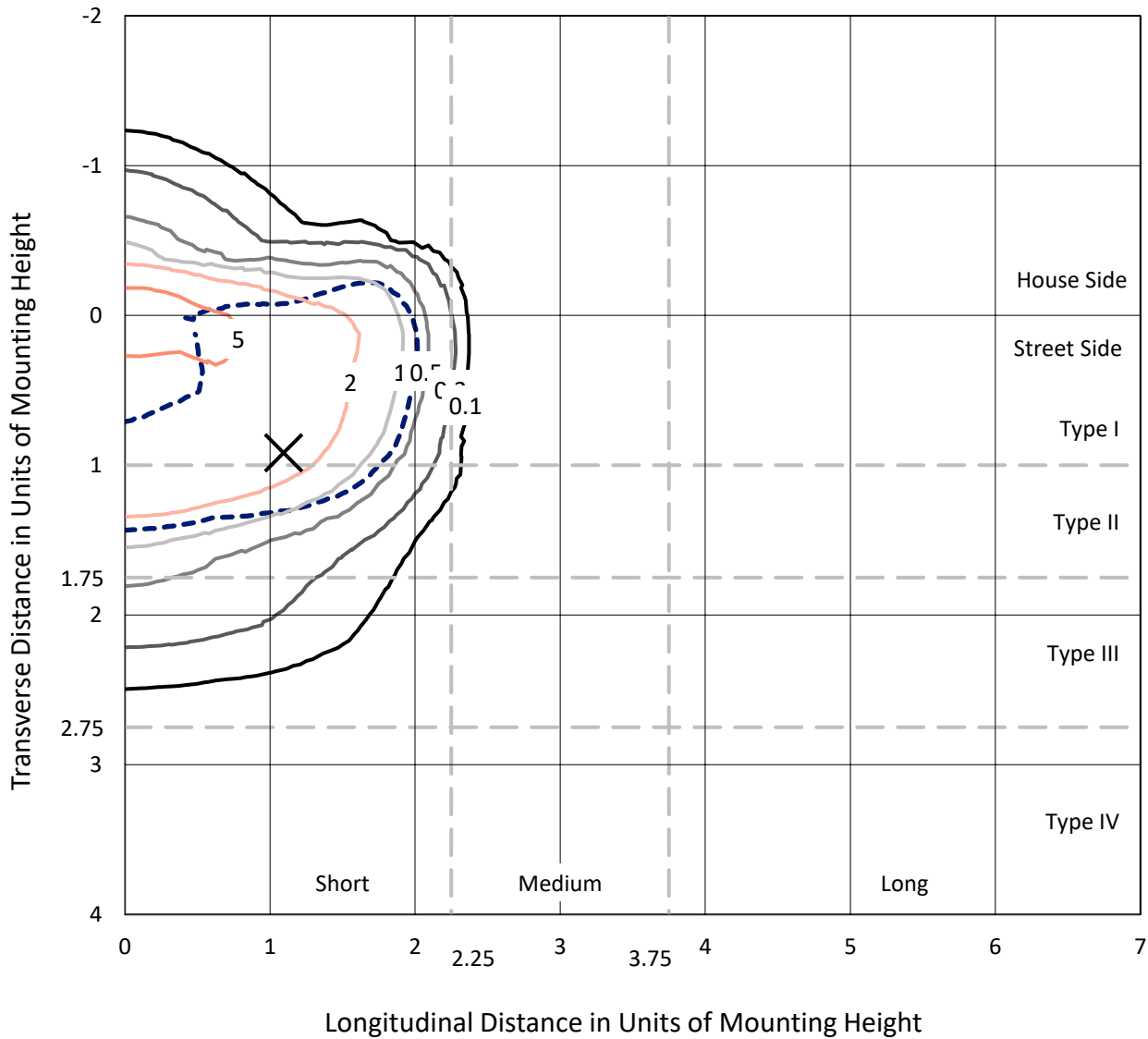
Lumens per Lamp: N/A  
Luminaire Lumens: 2152.7 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

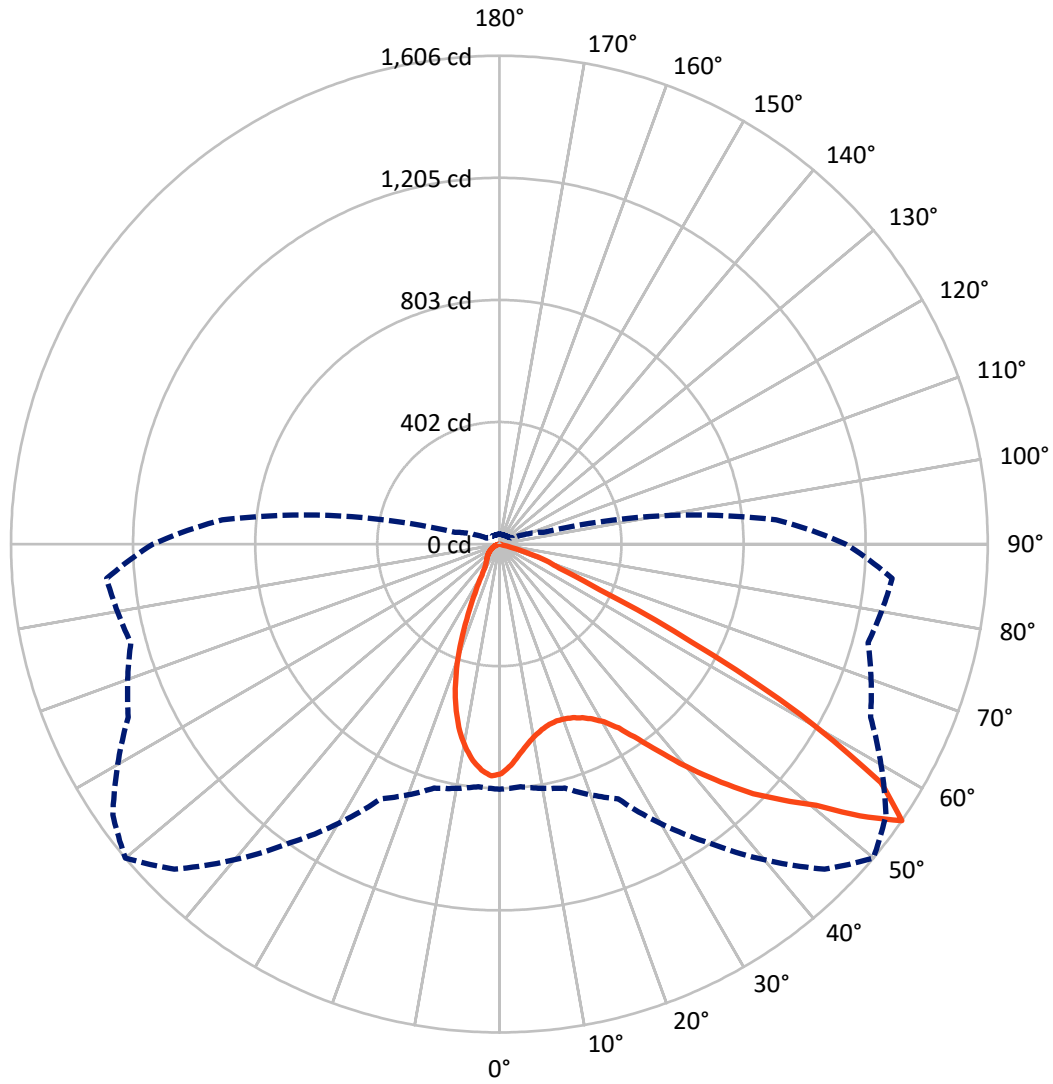
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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
<b>House Side</b>	Lumens	424.2	0.0	424.2
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	1728.5	0.0	1728.5
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	2152.7	0.0	2152.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.3	3.1
10°-20°	163.2	7.6
20°-30°	230.2	10.7
30°-40°	340.7	15.8
40°-50°	491.5	22.8
50°-60°	579.8	26.9
60°-70°	258.6	12.0
70°-80°	22.2	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°	2152.7	100.0
0°-180°	2152.7	100.0

**Coefficient of Utilization**



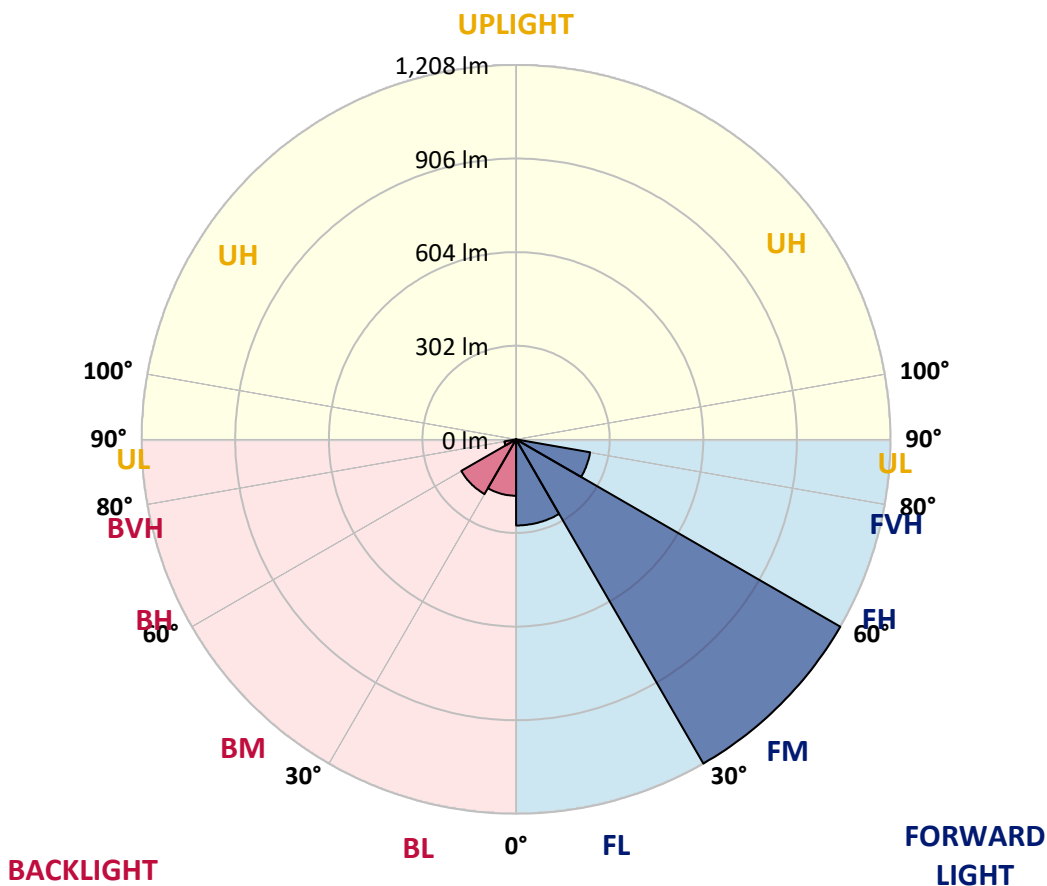
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.9	12.9			
FM (30°-60°)	1208.0	56.1			
FH (60°-80°)	242.6	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	181.9	8.4	B1/500		
BM (30°-60°)	204.0	9.5	B0/220		
BH (60°-80°)	38.3	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°	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3
2.5°	701.7	702.2	702.5	709.6	712.2	722.7	728.2	731.1	738.7	747.7	755.0
5°	654.6	653.8	655.2	664.1	669.9	685.4	693.8	699.6	716.4	737.4	755.0
7.5°	613.6	615.2	616.8	626.5	635.2	652.0	664.1	672.8	696.2	727.4	757.1
10°	584.7	584.7	587.1	598.1	608.4	629.1	641.2	652.3	680.1	718.5	759.5
12.5°	563.4	563.7	566.6	579.2	591.0	612.6	625.2	636.0	666.7	709.6	760.0
15°	553.5	552.7	555.0	568.4	581.6	601.8	615.0	625.5	657.3	704.6	762.6
17.5°	550.8	550.3	552.1	565.3	578.7	598.4	611.3	621.8	655.9	706.1	770.5
20°	558.4	557.4	556.6	567.9	580.5	600.0	613.4	625.2	662.3	714.8	782.6
22.5°	576.6	576.6	574.7	580.3	588.7	606.3	620.2	635.7	678.8	732.2	800.5
25°	610.0	607.3	603.9	606.3	605.2	616.3	632.8	654.4	710.1	760.8	822.3
27.5°	648.1	650.4	644.6	644.9	635.7	631.8	651.0	683.5	756.6	801.3	854.6
30°	699.8	698.0	698.3	697.5	676.2	657.5	678.3	721.6	815.2	863.0	896.7
32.5°	740.3	742.9	751.6	756.6	728.7	698.8	720.9	773.4	882.0	933.5	948.2
35°	783.1	787.9	805.5	821.8	798.4	764.0	787.6	842.0	944.8	1003.1	1007.3
37.5°	828.3	837.8	858.8	887.5	883.8	853.3	874.9	922.7	994.2	1045.2	1056.2
40°	880.1	889.3	923.7	965.0	973.7	966.8	973.9	1001.8	1026.8	1047.0	1077.2
42.5°	936.9	949.5	993.1	1048.3	1080.9	1086.9	1070.4	1067.5	1041.0	1026.0	1072.7
45°	1003.9	1018.6	1068.0	1139.5	1191.3	1199.4	1170.8	1133.7	1049.9	1010.5	1059.3
47.5°	1079.1	1093.0	1142.1	1228.1	1305.1	1308.2	1258.3	1198.6	1076.4	1028.3	1069.6
50°	1104.3	1113.0	1155.5	1256.4	1398.4	1422.5	1350.3	1271.7	1129.8	1080.9	1119.5
52.5°	1017.6	1021.0	1058.0	1160.0	1379.4	1534.8	1484.6	1380.8	1224.6	1161.0	1196.5
55°	806.3	800.8	830.7	924.3	1198.9	1511.9	1606.2	1552.1	1346.8	1255.1	1296.7
57.5°	564.0	557.4	550.6	613.9	894.6	1281.7	1480.1	1576.0	1463.3	1348.4	1404.7
60°	463.6	457.3	424.2	395.0	540.8	920.3	1136.9	1317.4	1453.8	1343.7	1401.2
62.5°	400.5	396.8	383.4	343.7	318.3	525.3	711.9	884.8	1115.6	1055.1	1058.3
65°	314.6	313.5	322.7	326.9	281.5	290.7	363.2	459.9	603.1	568.7	539.3
67.5°	215.0	212.6	229.9	282.8	270.7	229.4	212.6	214.4	261.0	159.5	126.7
70°	136.7	131.1	131.4	175.3	220.2	181.1	164.0	144.3	129.8	23.7	26.8
72.5°	87.5	84.1	72.3	79.1	102.0	88.3	89.1	76.7	51.2	12.6	14.7
75°	36.8	33.9	26.0	20.8	20.5	12.9	11.3	10.5	7.1	7.1	7.6
77.5°	0.3	0.0	0.0	0.3	0.5	0.3	0.3	0.5	1.1	1.6	1.8
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°	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3	755.3
2.5°	759.5	753.2	760.3	762.9	762.6	762.9	755.3	750.0	749.8	743.2	740.0
5°	762.4	757.4	762.6	759.2	751.1	740.8	727.2	715.3	710.1	702.5	698.8
7.5°	767.9	762.6	761.9	748.2	728.0	706.4	682.2	660.7	649.1	635.2	636.0
10°	771.8	765.8	755.5	727.7	694.1	659.6	623.6	591.6	571.3	552.7	549.5
12.5°	773.4	764.5	740.6	698.5	651.2	606.3	553.5	507.7	476.2	451.8	448.3
15°	776.3	761.9	721.4	663.3	598.4	534.8	467.5	405.0	363.2	335.1	337.4
17.5°	780.8	759.0	699.8	623.9	541.6	451.8	360.8	289.1	250.7	234.4	234.7
20°	787.1	755.5	676.2	580.5	473.6	357.9	252.3	198.2	187.4	186.9	186.1
22.5°	795.5	752.1	651.0	533.0	392.9	250.7	167.9	151.1	155.6	164.2	165.8
25°	805.5	747.9	622.8	479.3	304.8	164.5	125.9	123.3	134.0	145.6	148.2
27.5°	821.0	745.8	590.8	418.4	213.9	118.0	103.0	104.6	114.3	124.0	126.4
30°	847.3	749.8	555.8	350.0	137.4	94.1	89.4	91.7	97.0	102.0	104.1
32.5°	883.0	761.3	521.9	275.4	98.0	81.7	80.7	82.0	84.1	87.0	87.8
35°	924.8	781.3	487.0	197.1	80.9	74.6	73.6	73.6	74.6	75.2	75.4
37.5°	959.2	802.3	454.1	131.1	72.5	69.1	67.5	66.8	66.5	67.0	67.3
40°	974.2	811.0	418.4	95.4	66.5	64.1	61.8	59.4	59.4	61.2	61.5
42.5°	963.7	801.3	377.1	78.8	62.3	58.9	55.2	53.1	54.1	56.0	56.5
45°	941.3	777.4	331.7	69.6	58.1	53.6	49.4	48.1	49.1	51.5	52.0
47.5°	937.7	761.6	277.3	63.6	53.6	49.1	44.7	43.4	44.7	46.5	47.0
50°	974.2	775.3	216.8	58.3	49.4	44.4	40.7	39.4	40.2	41.3	41.8
52.5°	1041.0	826.0	175.0	53.3	44.4	39.7	37.3	35.7	35.7	36.8	37.1
55°	1139.5	914.5	151.1	47.6	38.6	36.0	33.9	32.3	32.3	32.8	33.1
57.5°	1253.0	1021.8	156.6	39.9	33.9	32.6	30.7	29.4	30.0	30.0	30.0
60°	1237.3	1013.9	167.7	33.6	30.0	29.4	27.9	27.3	28.6	27.6	27.1
62.5°	911.4	700.4	87.8	27.6	25.8	25.2	24.2	25.2	27.1	24.2	23.1
65°	442.6	339.0	35.2	22.6	21.8	21.3	20.8	22.3	23.4	18.9	17.9
67.5°	104.1	84.6	22.9	19.2	18.1	17.1	17.6	17.9	17.1	12.9	12.4
70°	27.1	26.5	17.9	16.0	14.5	13.4	13.4	13.1	11.3	8.1	7.6
72.5°	14.7	14.5	12.9	12.1	10.0	8.9	9.2	8.1	6.3	4.7	4.5
75°	7.4	7.9	7.4	6.8	5.5	5.0	5.0	4.5	3.2	1.8	1.8
77.5°	1.6	1.8	1.8	1.6	1.3	1.1	1.1	1.3	0.5	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)