

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: P629121

Luminaire Tested: GWS-SA1B-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629121  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

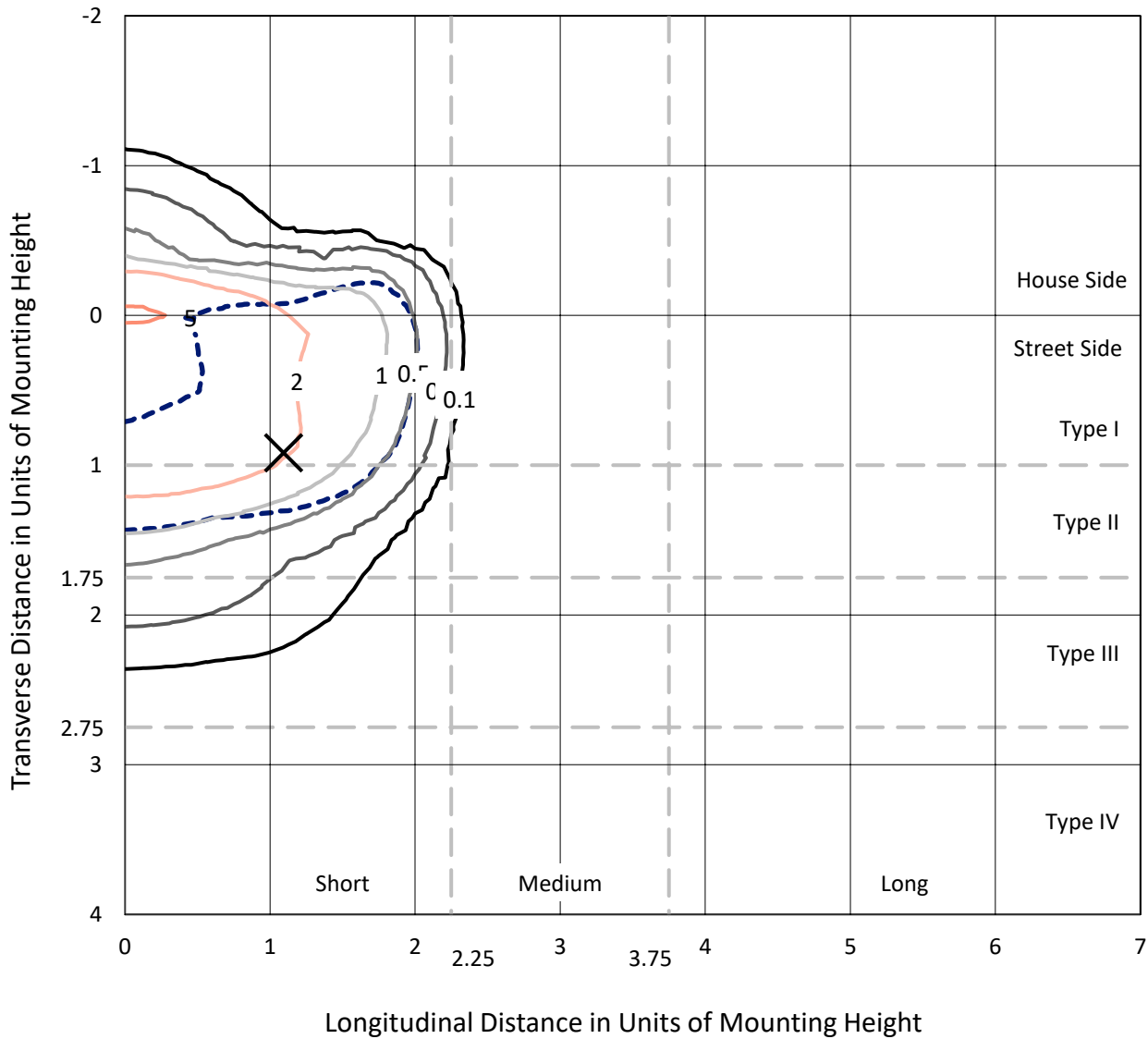
Lumens per Lamp: N/A  
Luminaire Lumens: 1550.2 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P629121  
 CATALOG NUMBER: GWS-SA1B-722-U-SL2-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

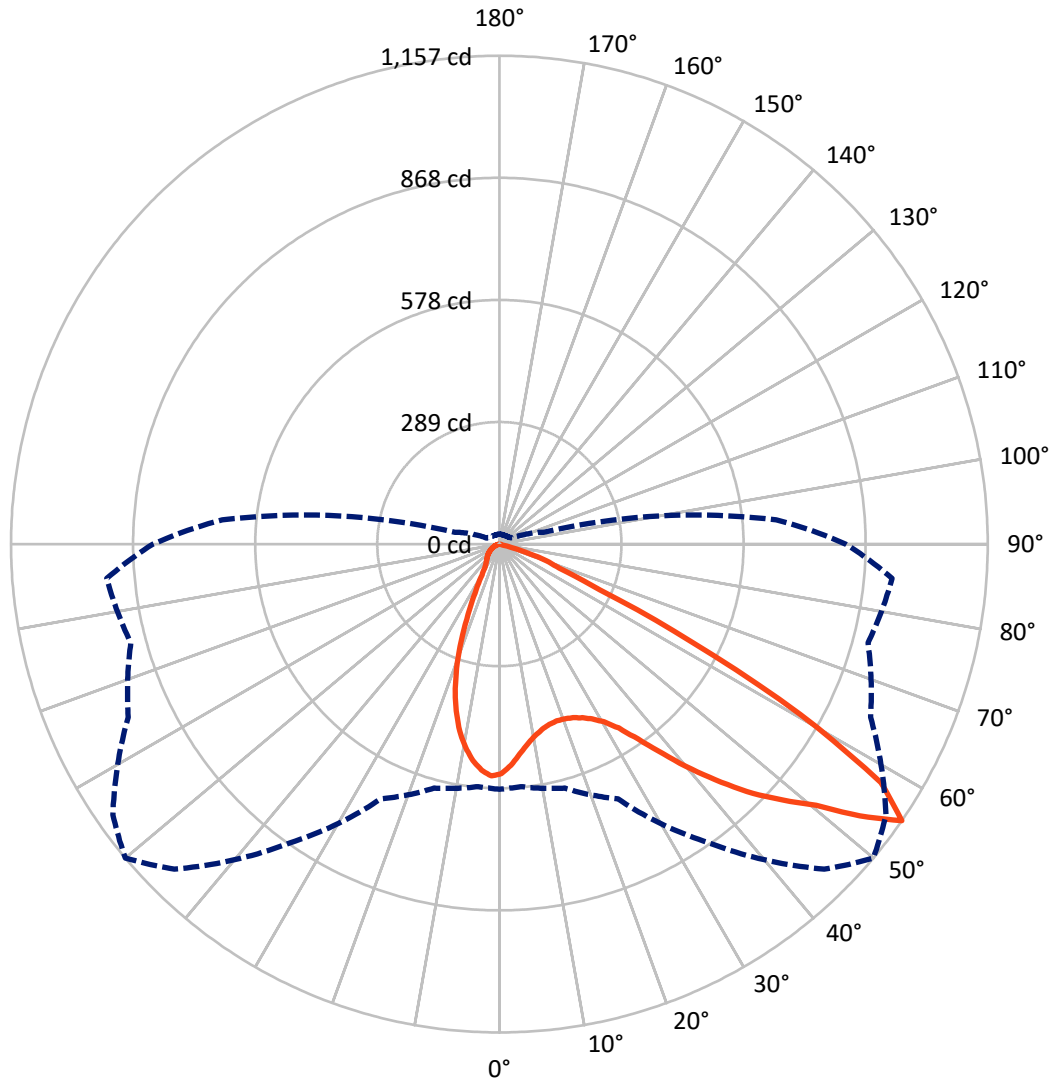
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P629121  
CATALOG NUMBER: GWS-SA1B-722-U-SL2-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P629121  
 CATALOG NUMBER: GWS-SA1B-722-U-SL2-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	305.5	0.0	305.5
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	1244.7	0.0	1244.7
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	1550.2	0.0	1550.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.8	3.1
10°-20°	117.5	7.6
20°-30°	165.8	10.7
30°-40°	245.3	15.8
40°-50°	354.0	22.8
50°-60°	417.5	26.9
60°-70°	186.2	12.0
70°-80°	16.0	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°	1550.2	100.0
0°-180°	1550.2	100.0

**Coefficient of Utilization**



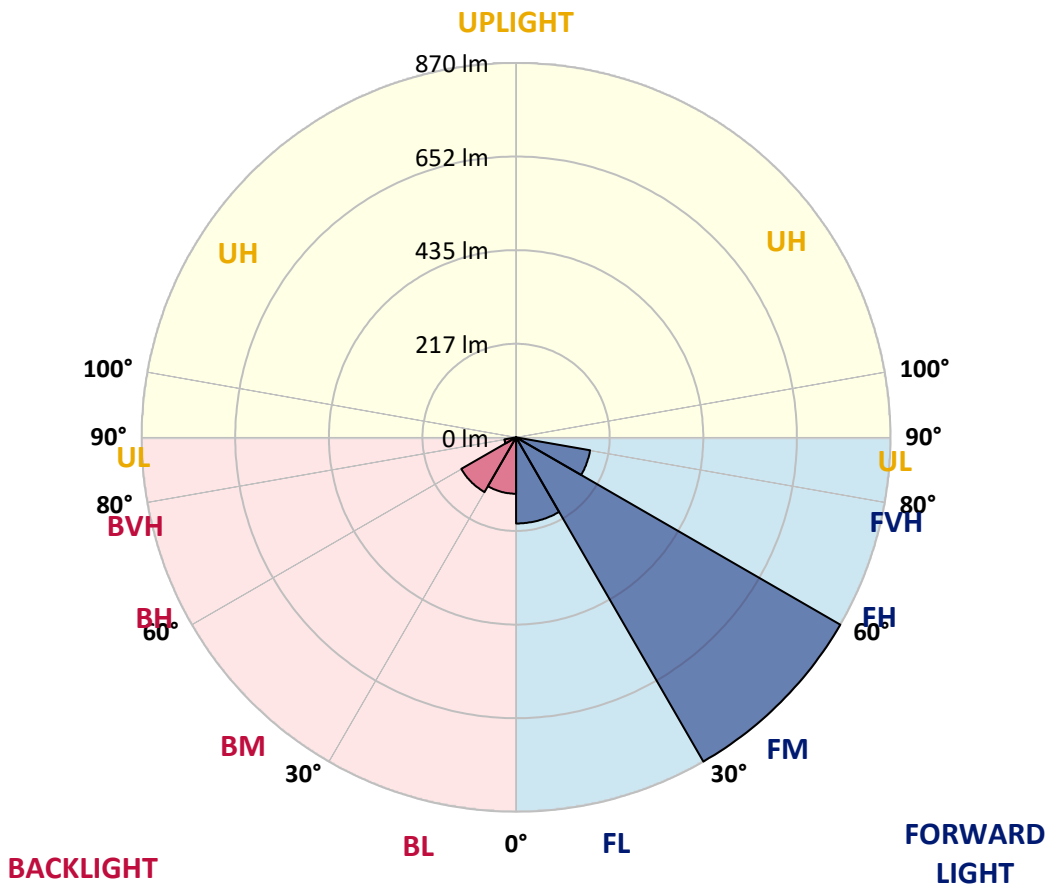
REPORT NUMBER: P629121

CATALOG NUMBER: GWS-SA1B-722-U-SL2-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.1	12.9			
FM (30°-60°)	869.9	56.1			
FH (60°-80°)	174.7	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	131.0	8.4	B1/500		
BM (30°-60°)	146.9	9.5	B0/220		
BH (60°-80°)	27.6	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





REPORT NUMBER: P629121

CATALOG NUMBER: GWS-SA1B-722-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9
2.5°	505.3	505.7	505.9	511.0	512.9	520.4	524.4	526.5	532.0	538.4	543.7
5°	471.4	470.8	471.8	478.2	482.4	493.6	499.6	503.8	515.9	531.0	543.7
7.5°	441.9	443.0	444.2	451.2	457.4	469.5	478.2	484.5	501.3	523.8	545.2
10°	421.1	421.1	422.8	430.7	438.1	453.1	461.8	469.7	489.8	517.4	546.9
12.5°	405.7	405.9	408.0	417.1	425.6	441.1	450.2	458.0	480.1	511.0	547.3
15°	398.6	398.0	399.7	409.3	418.8	433.4	442.8	450.4	473.3	507.4	549.2
17.5°	396.7	396.3	397.6	407.1	416.7	430.9	440.2	447.8	472.4	508.5	554.9
20°	402.2	401.4	400.8	409.0	418.0	432.1	441.7	450.2	476.9	514.8	563.6
22.5°	415.2	415.2	413.9	417.9	423.9	436.6	446.6	457.8	488.8	527.2	576.4
25°	439.2	437.4	434.9	436.6	435.8	443.8	455.7	471.2	511.3	547.9	592.2
27.5°	466.7	468.4	464.2	464.4	457.8	455.0	468.8	492.2	544.8	577.0	615.4
30°	504.0	502.6	502.8	502.3	486.9	473.5	488.4	519.7	587.0	621.5	645.7
32.5°	533.1	535.0	541.2	544.8	524.8	503.2	519.1	557.0	635.1	672.2	682.8
35°	564.0	567.4	580.0	591.8	574.9	550.1	567.2	606.3	680.3	722.4	725.4
37.5°	596.5	603.3	618.5	639.1	636.4	614.5	630.0	664.4	715.9	752.6	760.6
40°	633.8	640.4	665.2	694.9	701.2	696.2	701.3	721.4	739.4	754.0	775.7
42.5°	674.7	683.8	715.2	754.9	778.4	782.7	770.8	768.7	749.6	738.8	772.5
45°	722.9	733.5	769.1	820.6	857.9	863.7	843.1	816.4	756.0	727.7	762.9
47.5°	777.0	787.1	822.5	884.4	939.8	942.1	906.1	863.2	775.2	740.5	770.2
50°	795.2	801.5	832.1	904.8	1007.0	1024.4	972.4	915.8	813.6	778.4	806.2
52.5°	732.8	735.2	761.9	835.3	993.4	1105.2	1069.1	994.3	881.9	836.1	861.6
55°	580.6	576.6	598.2	665.6	863.3	1088.7	1156.7	1117.7	969.9	903.8	933.7
57.5°	406.1	401.4	396.5	442.1	644.2	923.0	1065.8	1134.9	1053.7	971.0	1011.5
60°	333.8	329.3	305.4	284.4	389.5	662.7	818.7	948.7	1046.9	967.6	1009.1
62.5°	288.4	285.8	276.1	247.5	229.2	378.3	512.7	637.2	803.4	759.8	762.1
65°	226.5	225.8	232.4	235.4	202.7	209.3	261.5	331.2	434.3	409.5	388.3
67.5°	154.8	153.1	165.6	203.6	194.9	165.2	153.1	154.4	187.9	114.9	91.2
70°	98.4	94.4	94.6	126.2	158.6	130.4	118.1	103.9	93.5	17.0	19.3
72.5°	63.0	60.6	52.0	57.0	73.4	63.6	64.2	55.3	36.9	9.1	10.6
75°	26.5	24.4	18.7	15.0	14.8	9.3	8.1	7.6	5.1	5.1	5.5
77.5°	0.2	0.0	0.0	0.2	0.4	0.2	0.2	0.4	0.8	1.1	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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



REPORT NUMBER: P629121  
 CATALOG NUMBER: GWS-SA1B-722-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9	543.9
2.5°	546.9	542.4	547.5	549.4	549.2	549.4	543.9	540.1	539.9	535.2	532.9
5°	549.0	545.4	549.2	546.7	540.9	533.5	523.6	515.1	511.3	505.9	503.2
7.5°	553.0	549.2	548.6	538.8	524.2	508.7	491.3	475.8	467.4	457.4	458.0
10°	555.8	551.5	544.1	524.0	499.8	475.0	449.1	426.0	411.4	398.0	395.7
12.5°	557.0	550.5	533.3	503.0	469.0	436.6	398.6	365.6	342.9	325.3	322.9
15°	559.0	548.6	519.5	477.7	430.9	385.1	336.7	291.6	261.5	241.3	243.0
17.5°	562.3	546.5	504.0	449.3	390.0	325.3	259.8	208.2	180.5	168.8	169.0
20°	566.8	544.1	486.9	418.0	341.0	257.8	181.7	142.7	134.9	134.6	134.0
22.5°	572.9	541.6	468.8	383.8	282.9	180.5	120.9	108.8	112.0	118.3	119.4
25°	580.0	538.6	448.5	345.2	219.5	118.5	90.6	88.8	96.5	104.8	106.7
27.5°	591.2	537.1	425.4	301.3	154.0	85.0	74.2	75.3	82.3	89.3	91.0
30°	610.1	539.9	400.3	252.1	99.0	67.8	64.3	66.0	69.8	73.4	74.9
32.5°	635.9	548.2	375.8	198.3	70.6	58.9	58.1	59.0	60.6	62.6	63.2
35°	666.0	562.6	350.7	141.9	58.3	53.7	53.0	53.0	53.7	54.1	54.3
37.5°	690.8	577.8	327.0	94.4	52.2	49.8	48.6	48.1	47.9	48.3	48.4
40°	701.5	584.0	301.3	68.7	47.9	46.2	44.5	42.8	42.8	44.1	44.3
42.5°	694.0	577.0	271.6	56.8	44.9	42.4	39.7	38.2	39.0	40.3	40.7
45°	677.9	559.8	238.8	50.2	41.8	38.6	35.6	34.6	35.4	37.1	37.5
47.5°	675.2	548.4	199.7	45.8	38.6	35.4	32.2	31.2	32.2	33.5	33.9
50°	701.5	558.3	156.1	42.0	35.6	32.0	29.3	28.4	29.0	29.7	30.1
52.5°	749.6	594.8	126.0	38.4	32.0	28.6	26.9	25.7	25.7	26.5	26.7
55°	820.6	658.6	108.8	34.3	27.8	25.9	24.4	23.3	23.3	23.7	23.8
57.5°	902.3	735.8	112.8	28.8	24.4	23.5	22.1	21.2	21.6	21.6	21.6
60°	891.0	730.1	120.7	24.2	21.6	21.2	20.1	19.7	20.6	19.9	19.5
62.5°	656.3	504.3	63.2	19.9	18.5	18.2	17.4	18.2	19.5	17.4	16.7
65°	318.7	244.1	25.4	16.3	15.7	15.3	15.0	16.1	16.8	13.6	12.9
67.5°	74.9	60.9	16.5	13.8	13.1	12.3	12.7	12.9	12.3	9.3	8.9
70°	19.5	19.1	12.9	11.5	10.4	9.7	9.7	9.5	8.1	5.9	5.5
72.5°	10.6	10.4	9.3	8.7	7.2	6.4	6.6	5.9	4.5	3.4	3.2
75°	5.3	5.7	5.3	4.9	4.0	3.6	3.6	3.2	2.3	1.3	1.3
77.5°	1.1	1.3	1.3	1.1	0.9	0.8	0.8	0.9	0.4	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	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)