

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: P629290

Luminaire Tested: GWS-SA1B-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-735-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

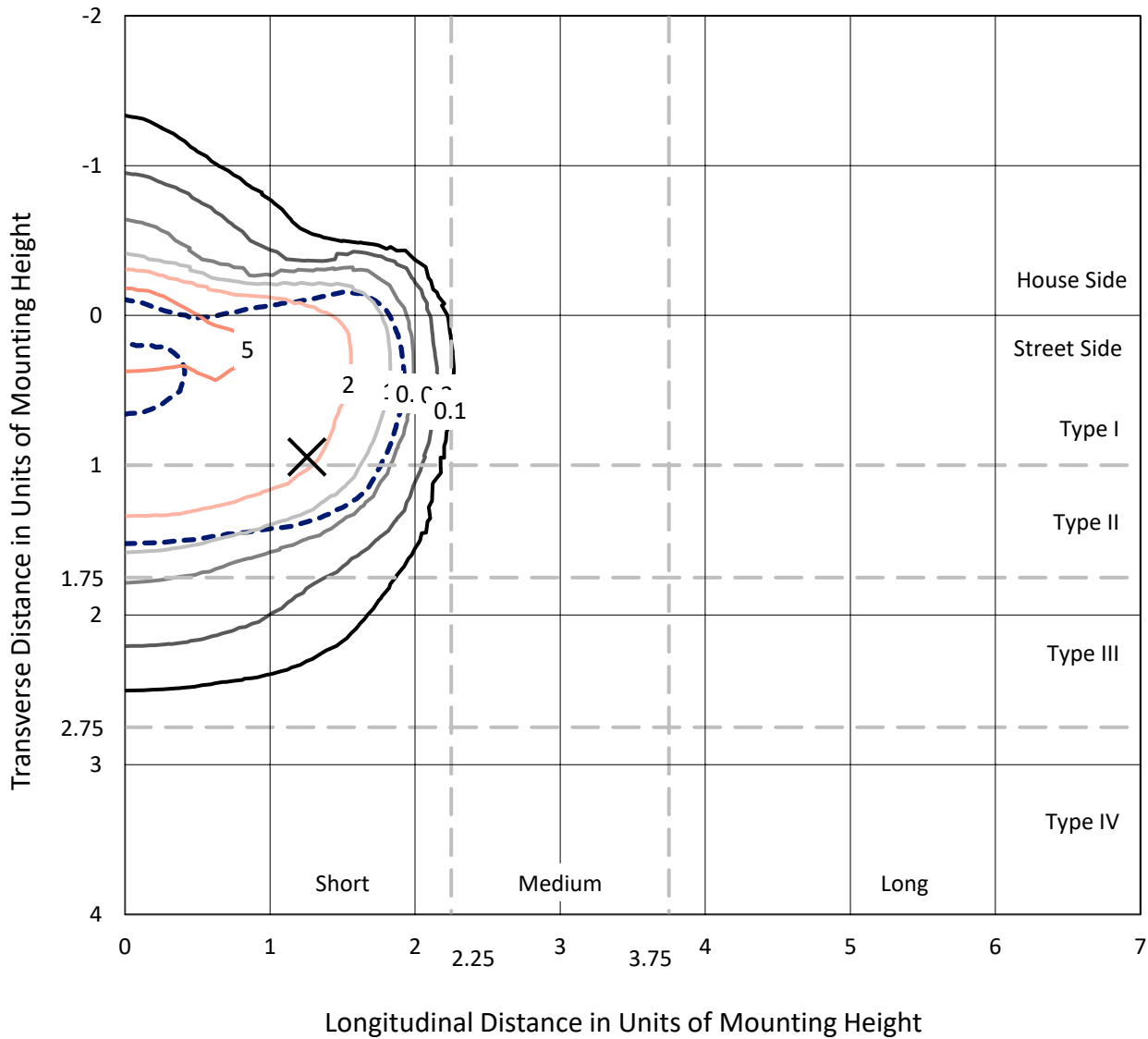
Lumens per Lamp: N/A  
Luminaire Lumens: 2067.5 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

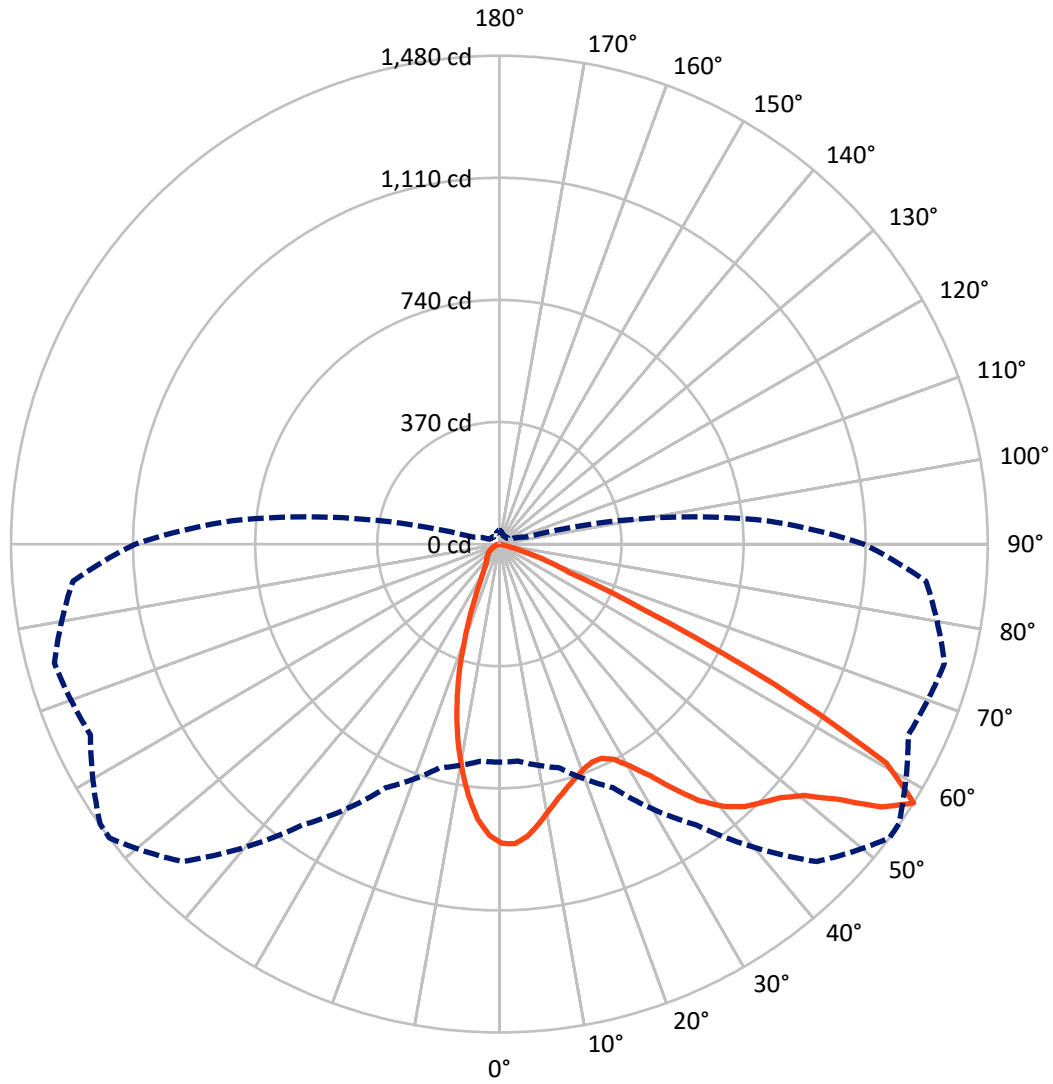
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	341.5	0.0	341.5
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	1726.0	0.0	1726.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2067.5	0.0	2067.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.6	3.8
10°-20°	170.3	8.2
20°-30°	221.9	10.7
30°-40°	321.9	15.6
40°-50°	464.5	22.5
50°-60°	561.7	27.2
60°-70°	228.9	11.1
70°-80°	20.6	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°	2067.5	100.0
0°-180°	2067.5	100.0

**Coefficient of Utilization**



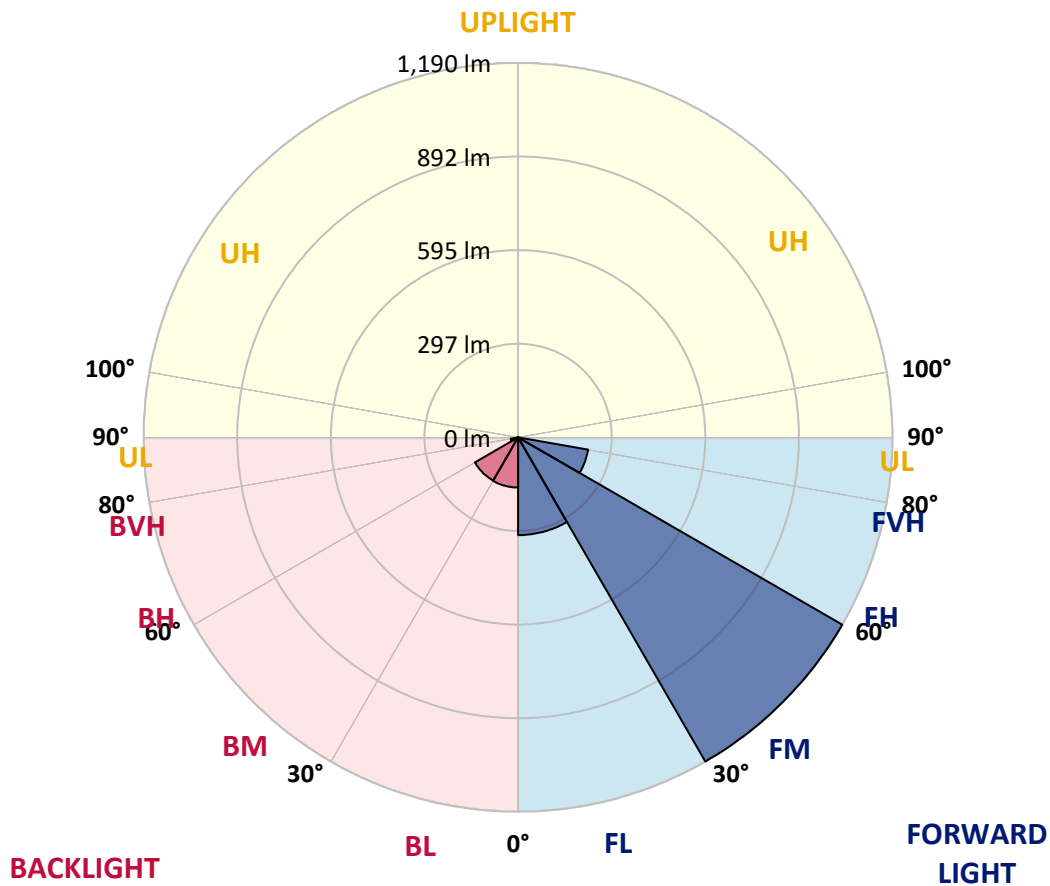
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.5	15.0			
FM (30°-60°)	1189.6	57.5			
FH (60°-80°)	225.9	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	159.4	7.7	B1/500		
BM (30°-60°)	158.5	7.7	B0/220		
BH (60°-80°)	23.6	1.1	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°	53°	55°	65°	75°	85°
0°	906.9	906.9	906.9	906.9	906.9	906.9	906.9	906.9	906.9	906.9	906.9
2.5°	894.3	896.3	899.8	904.4	907.4	909.0	909.0	913.3	910.5	908.2	905.7
5°	856.0	858.0	862.8	870.2	877.5	882.9	888.9	893.5	895.3	895.3	891.0
7.5°	802.0	804.8	807.8	818.0	833.9	845.9	856.2	862.8	872.5	875.5	869.4
10°	744.0	746.8	753.6	767.6	785.8	803.5	821.3	829.6	846.1	854.7	847.9
12.5°	694.8	696.1	705.2	721.9	745.3	769.6	791.1	799.7	823.0	836.0	827.9
15°	654.3	655.0	664.2	682.7	709.5	739.4	766.5	775.4	804.0	823.6	811.4
17.5°	623.6	623.9	631.7	651.7	679.9	713.1	745.3	756.1	793.1	816.7	798.5
20°	608.2	607.4	613.0	630.5	657.1	690.3	728.3	741.7	787.1	815.7	788.6
22.5°	608.4	606.6	608.9	621.3	643.9	675.1	717.6	732.8	787.6	820.0	780.2
25°	622.9	620.3	620.8	627.4	643.4	671.8	719.2	735.4	797.7	834.5	777.2
27.5°	647.2	644.4	644.4	647.7	656.3	682.2	738.2	756.7	824.8	862.6	783.5
30°	678.6	675.8	674.8	678.1	685.2	709.0	780.5	799.7	871.2	908.7	803.8
32.5°	714.6	711.3	713.1	717.6	724.5	757.4	835.0	860.6	929.2	970.8	840.3
35°	752.6	749.8	757.9	767.8	778.4	824.6	910.2	932.5	1000.4	1048.1	896.0
37.5°	788.8	787.6	804.5	825.3	847.4	905.1	986.7	1004.0	1061.5	1132.2	964.2
40°	825.1	824.8	854.0	890.5	925.7	985.5	1044.8	1059.0	1098.7	1197.6	1029.6
42.5°	865.6	865.6	905.9	954.6	1001.4	1053.4	1087.3	1093.7	1115.5	1235.3	1078.7
45°	904.4	906.7	953.3	1009.8	1065.3	1106.4	1116.7	1117.2	1122.3	1257.6	1119.5
47.5°	935.1	937.1	992.8	1058.0	1117.8	1146.6	1148.2	1145.9	1140.3	1278.9	1150.9
50°	959.9	962.9	1021.2	1090.1	1153.7	1185.4	1197.1	1194.8	1180.6	1301.7	1173.0
52.5°	972.0	976.4	1031.1	1106.1	1193.8	1251.8	1284.2	1289.6	1240.9	1314.4	1194.0
55°	874.7	881.1	931.5	1034.1	1216.1	1354.4	1405.4	1404.4	1306.3	1352.1	1245.2
57.5°	660.6	660.1	701.9	814.2	1038.7	1360.3	1479.9	1477.8	1367.4	1396.0	1297.7
60°	449.8	446.7	457.9	512.1	726.2	1108.1	1346.8	1374.2	1324.0	1289.6	1101.8
62.5°	370.2	367.4	363.9	348.9	417.1	690.3	930.5	972.0	965.5	896.3	691.0
65°	303.1	305.3	315.2	308.9	290.1	354.0	483.0	507.6	464.0	390.5	241.5
67.5°	223.5	224.5	237.4	270.9	260.7	235.7	227.3	231.4	135.6	62.3	40.3
70°	132.0	132.8	144.7	189.5	211.6	180.9	153.6	151.3	53.7	16.7	18.2
72.5°	74.8	73.2	75.5	90.2	115.3	96.0	79.1	72.0	16.2	9.4	9.4
75°	35.5	34.5	29.6	27.9	25.3	16.2	10.1	8.6	4.1	3.8	3.8
77.5°	0.3	0.8	0.5	0.8	0.8	0.5	0.3	0.3	0.8	0.8	1.0
80°	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	906.9	906.9	906.9	906.9	906.9	906.9	906.9	906.9	906.9	906.9	906.9
2.5°	901.1	893.5	891.7	891.2	884.1	876.5	868.7	865.6	861.1	858.3	860.6
5°	884.1	873.2	863.6	854.7	839.0	821.8	806.8	797.2	788.1	782.0	783.5
7.5°	860.0	845.9	823.8	801.3	772.4	746.5	717.6	699.9	683.4	674.3	678.6
10°	834.5	815.7	780.5	742.2	696.9	656.3	615.0	581.3	561.8	543.3	545.3
12.5°	809.4	784.5	731.8	673.8	616.5	556.7	494.4	447.8	415.8	392.8	389.2
15°	786.1	754.1	684.4	607.9	529.9	450.3	370.7	304.1	267.1	244.3	242.8
17.5°	765.3	725.7	635.3	539.0	441.2	339.3	247.8	197.9	176.6	166.7	165.7
20°	745.3	697.1	585.1	469.0	344.4	238.2	171.0	148.0	141.1	137.1	137.6
22.5°	726.0	665.9	532.4	391.5	258.2	167.2	132.5	123.7	122.9	123.4	123.7
25°	709.8	637.3	478.2	316.8	184.2	127.5	110.7	108.2	110.5	113.8	114.3
27.5°	701.4	614.0	425.2	241.5	133.3	103.6	96.0	97.1	101.1	104.7	105.2
30°	703.7	596.5	370.5	175.1	102.6	87.4	84.9	86.9	91.0	94.3	94.8
32.5°	719.9	587.6	314.5	127.5	84.4	76.3	75.3	76.8	80.3	82.9	83.1
35°	752.1	589.7	261.3	97.6	72.5	67.9	67.7	68.7	70.4	72.2	72.5
37.5°	799.5	606.1	208.8	81.1	65.6	62.3	61.3	61.3	62.6	63.4	63.9
40°	850.4	631.0	167.2	71.7	60.8	57.3	55.2	54.5	55.5	56.5	56.8
42.5°	892.5	655.8	135.8	65.1	57.0	52.2	49.7	49.2	50.4	52.2	52.7
45°	924.7	675.1	113.3	59.8	52.7	47.4	44.6	44.6	46.9	49.9	50.4
47.5°	954.1	690.5	96.5	55.0	48.7	43.1	40.3	40.8	44.6	48.7	49.4
50°	974.1	702.9	84.1	50.7	45.4	39.5	37.0	38.0	42.6	47.4	48.1
52.5°	995.6	718.1	76.0	46.9	42.3	36.7	34.5	35.2	40.3	45.6	46.6
55°	1055.2	769.1	75.8	41.8	37.0	32.9	31.9	32.2	37.2	43.3	44.6
57.5°	1103.8	813.9	80.8	35.2	30.9	28.9	28.4	28.6	33.2	40.0	41.6
60°	913.3	632.5	66.9	29.1	25.8	25.3	24.6	25.1	29.4	35.5	36.7
62.5°	540.5	361.6	31.9	22.3	22.0	21.5	20.8	21.8	25.8	31.2	31.9
65°	184.7	107.2	20.3	18.2	18.8	18.0	17.2	18.2	21.8	24.8	25.1
67.5°	35.5	28.4	16.2	15.2	15.5	13.9	13.7	14.7	16.7	17.2	17.0
70°	18.5	16.5	12.4	12.4	11.9	9.9	9.9	10.9	10.9	10.1	9.9
72.5°	9.6	9.1	8.1	9.1	7.6	6.1	6.1	6.6	6.1	5.1	5.1
75°	3.8	3.8	3.5	4.6	3.3	2.8	2.5	3.0	2.3	1.8	1.8
77.5°	1.0	1.0	1.0	1.3	0.8	0.8	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	0.0	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)