

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: P628864

Luminaire Tested: GWS-SA1A-740-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628864  
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-SA1A-740-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

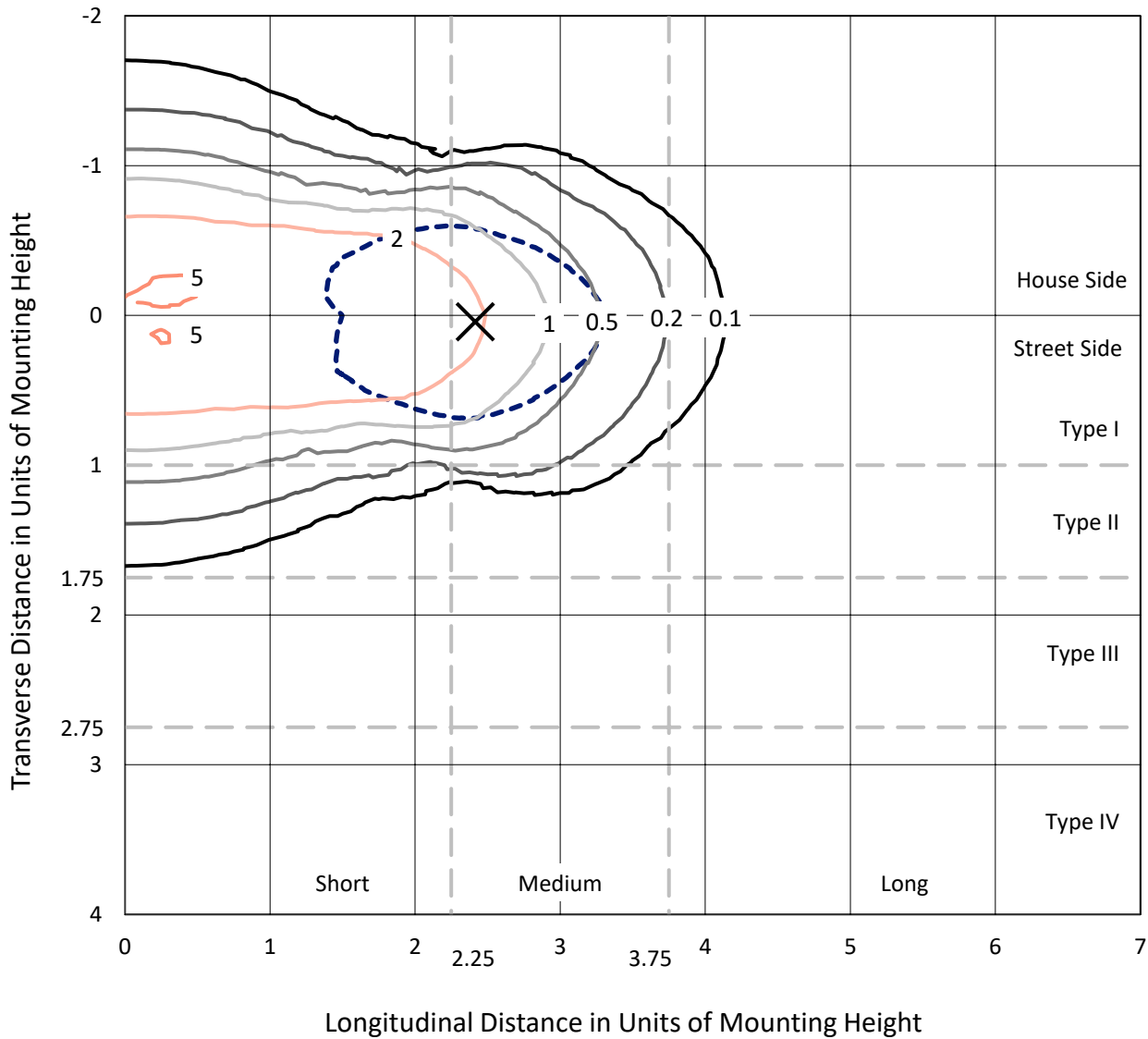
Lumens per Lamp: N/A  
Luminaire Lumens: 2838.6 lumens  
Efficiency: N/A  
Efficacy: 144.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

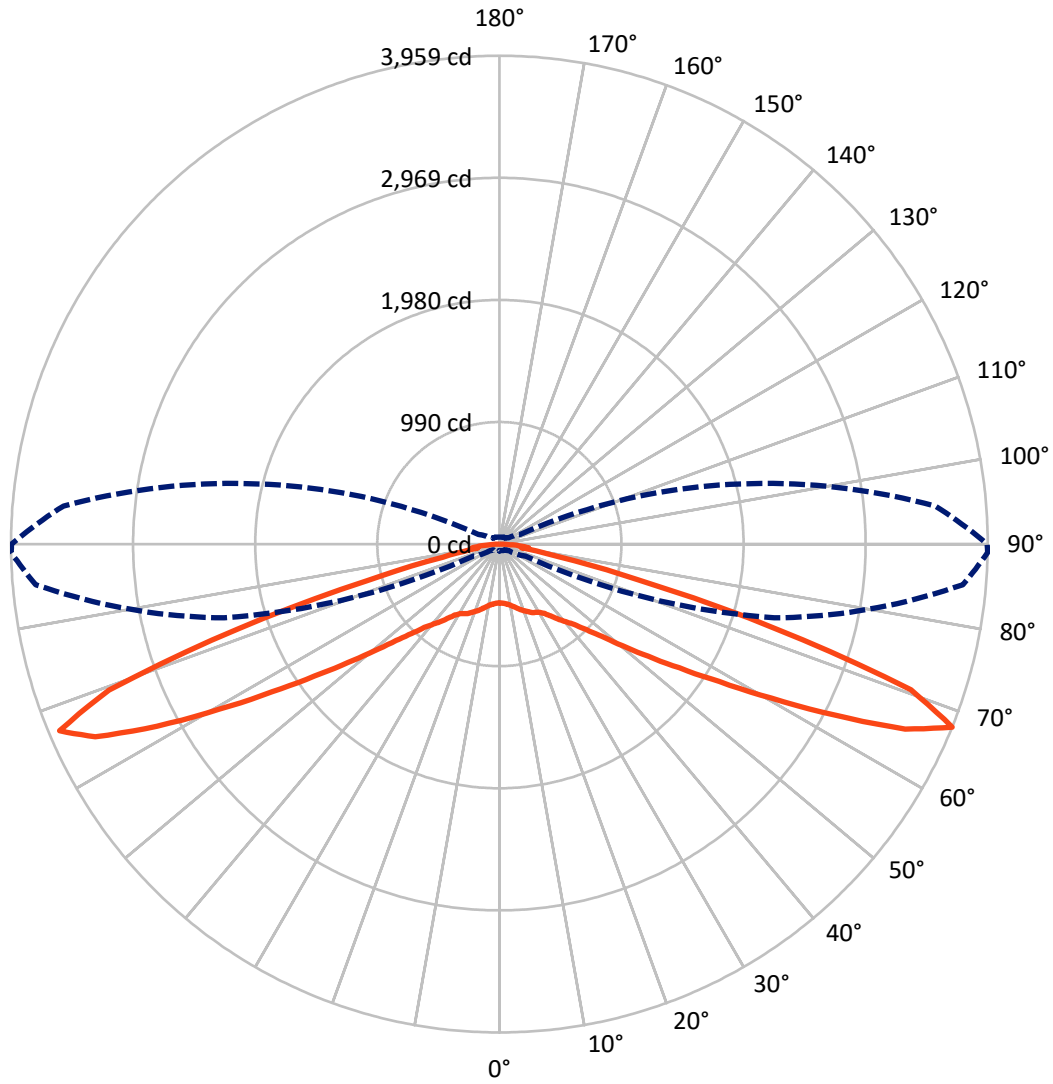
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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
<b>House Side</b>	Lumens	1406.9	0.0	1406.9
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	1431.7	0.0	1431.7
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	2838.6	0.0	2838.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.8	1.7
10°-20°	155.6	5.5
20°-30°	263.1	9.3
30°-40°	361.0	12.7
40°-50°	460.4	16.2
50°-60°	577.6	20.3
60°-70°	696.6	24.5
70°-80°	252.0	8.9
80°-90°	24.5	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°	2838.6	100.0
0°-180°	2838.6	100.0

**Coefficient of Utilization**



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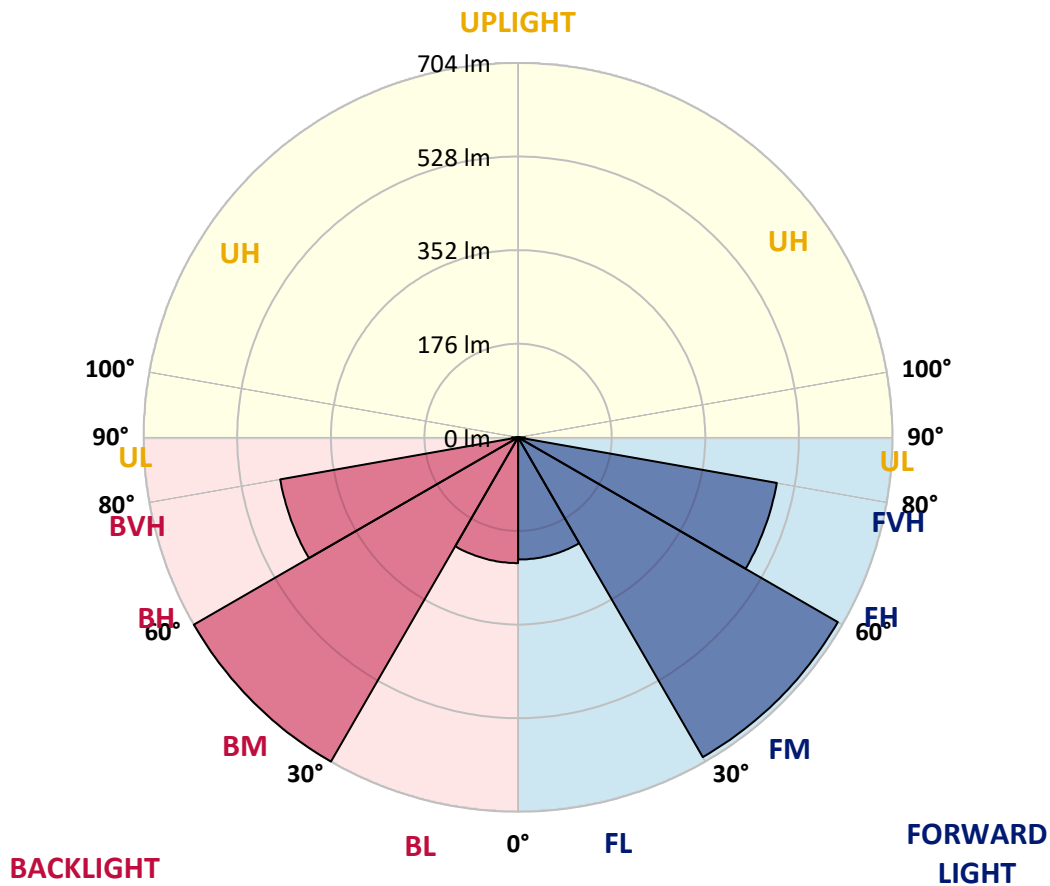
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.9	8.1			
FM (30°-60°)	694.7	24.5			
FH (60°-80°)	494.2	17.4			G0/660
FVH (80°-90°)	12.9	0.5			G1/100
BL (0°-30°)	236.6	8.3	B1/500		
BM (30°-60°)	704.3	24.8	B1/1000		
BH (60°-80°)	454.4	16.0	B1/500		G1/500
BVH (80°-90°)	11.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type I Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4
2.5°	477.9	477.5	476.4	479.5	478.9	479.1	480.3	479.5	478.1	475.6	479.1
5°	491.3	491.1	488.9	490.7	488.7	487.2	487.0	485.0	483.4	480.7	484.4
7.5°	504.4	504.2	502.3	505.6	504.0	502.3	500.5	496.4	492.5	488.7	492.7
10°	514.4	514.2	513.7	518.4	518.8	519.5	518.6	511.7	505.0	500.3	504.4
12.5°	520.1	520.7	521.7	530.3	534.5	538.6	539.6	533.9	522.7	516.0	520.9
15°	516.2	517.4	522.5	538.0	549.8	559.0	562.9	558.2	543.7	532.5	538.0
17.5°	497.6	498.7	508.6	532.3	558.4	579.6	585.9	583.1	567.0	553.3	558.6
20°	472.0	474.2	485.0	518.0	557.0	593.9	610.8	609.8	592.2	571.2	577.6
22.5°	448.7	451.4	462.8	499.3	547.4	597.5	635.9	638.5	615.3	589.2	594.3
25°	422.6	425.1	439.7	477.0	530.9	594.7	657.3	669.3	641.4	609.8	614.5
27.5°	395.9	397.7	412.2	452.0	509.3	589.4	674.2	703.1	667.1	624.0	627.3
30°	372.5	374.9	388.2	426.9	485.6	578.8	688.0	739.2	696.6	640.1	642.8
32.5°	349.8	351.9	366.3	402.2	460.5	562.5	700.5	781.6	740.4	670.1	670.1
35°	321.3	325.0	341.3	378.6	436.9	540.9	709.5	831.0	800.4	714.3	714.6
37.5°	295.0	297.0	314.2	351.9	412.0	516.4	710.3	882.1	876.2	770.6	771.0
40°	265.0	267.7	286.0	323.3	383.5	490.7	702.5	929.8	955.7	828.5	826.3
42.5°	234.7	238.5	256.1	292.5	352.7	459.3	681.9	975.3	1056.6	895.6	890.1
45°	205.3	207.7	225.3	259.7	317.4	421.8	648.9	1018.9	1176.5	997.5	989.6
47.5°	172.3	173.3	191.4	224.5	280.9	380.0	601.6	1057.9	1308.2	1132.5	1118.8
50°	142.9	144.3	158.6	186.9	236.3	330.5	542.7	1080.7	1476.0	1316.6	1292.9
52.5°	115.6	117.0	128.4	151.1	195.3	274.0	469.7	1075.4	1646.2	1545.1	1510.7
55°	93.4	94.4	102.1	119.9	153.7	217.9	383.5	1027.9	1835.2	1843.6	1769.4
57.5°	78.9	79.3	84.6	95.4	120.1	168.0	296.0	915.8	2033.4	2224.4	2102.5
60°	70.5	70.7	73.2	79.9	94.8	128.2	216.9	737.2	2238.7	2700.8	2533.7
62.5°	65.2	65.2	67.3	71.1	78.7	98.7	159.4	529.4	2386.1	3219.3	3053.1
65°	60.1	60.1	61.6	64.8	68.9	80.5	119.7	341.5	2458.4	3652.7	3615.8
67.5°	53.6	53.8	54.8	58.3	62.0	67.3	90.7	231.0	2308.2	3772.6	3959.3
70°	47.5	47.7	49.1	51.4	54.4	58.1	70.9	159.2	1680.1	3142.0	3540.1
72.5°	40.8	41.6	42.6	45.1	46.9	49.5	57.9	103.2	977.5	2021.1	2340.2
75°	33.4	34.5	35.7	38.1	39.3	40.4	47.7	73.6	470.3	1024.2	1166.3
77.5°	25.9	26.9	28.3	30.6	31.4	32.6	36.5	53.2	225.3	454.0	489.5
80°	17.3	17.7	19.0	21.6	23.0	23.9	26.9	36.3	97.9	182.3	180.6
82.5°	10.6	10.8	11.2	12.8	13.5	14.3	17.5	22.2	46.7	207.1	237.5
85°	3.9	3.7	3.5	4.5	5.3	6.1	8.2	11.2	20.4	142.3	159.2
87.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.8	1.6	4.9	53.2	36.5
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°	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4	476.4
2.5°	478.1	475.8	478.7	480.7	485.2	486.8	487.2	485.8	485.8	483.4	483.8
5°	483.6	482.1	486.8	490.3	496.8	499.3	500.9	499.9	500.5	498.9	499.3
7.5°	491.9	490.7	498.9	505.6	512.3	515.2	516.6	515.8	516.0	513.9	514.6
10°	503.6	504.0	513.7	522.5	531.5	534.3	534.9	532.5	530.5	526.8	527.0
12.5°	519.5	521.5	535.4	545.1	554.3	558.4	553.9	544.9	536.6	530.3	529.4
15°	536.8	540.5	560.4	572.9	582.9	580.8	567.6	547.4	530.9	521.5	519.7
17.5°	557.6	563.1	588.2	603.0	611.6	598.6	570.8	540.7	517.6	505.0	502.5
20°	577.1	585.9	617.5	636.9	637.9	608.5	569.4	527.0	498.0	482.6	479.3
22.5°	595.1	606.3	648.3	673.0	659.7	613.0	560.6	507.6	474.4	456.3	453.4
25°	614.7	630.6	684.2	707.2	681.5	611.2	542.3	483.6	445.9	427.3	425.3
27.5°	628.1	648.1	720.3	742.3	699.5	600.8	518.6	457.3	419.8	402.2	399.4
30°	643.6	669.1	760.0	780.4	710.5	585.5	493.4	432.8	395.5	376.5	374.5
32.5°	671.7	703.7	809.4	820.8	713.9	566.5	469.1	409.2	370.2	351.3	348.4
35°	717.0	754.5	878.7	865.8	711.3	545.8	446.1	381.4	344.3	326.6	323.7
37.5°	774.1	820.8	955.9	906.4	704.0	522.9	418.7	358.2	321.1	303.1	301.5
40°	827.3	884.8	1042.6	941.5	689.1	494.8	392.4	333.9	296.0	277.1	273.4
42.5°	894.0	970.4	1142.9	971.8	664.6	461.1	362.9	304.0	264.6	247.5	243.0
45°	995.3	1090.3	1259.5	1001.0	628.1	419.8	325.8	267.5	230.2	212.6	209.2
47.5°	1121.7	1240.1	1385.9	1018.3	572.7	376.1	283.8	228.9	191.6	171.9	170.2
50°	1299.2	1458.1	1521.5	1015.3	510.7	324.4	236.5	183.1	151.9	137.6	135.4
52.5°	1515.5	1731.6	1668.0	978.6	444.8	265.4	184.3	143.7	120.5	110.3	108.5
55°	1786.9	2059.3	1822.4	899.9	361.7	203.3	144.7	113.3	97.4	91.3	90.5
57.5°	2122.9	2483.5	1971.0	767.4	272.0	155.1	111.5	93.6	86.0	82.4	82.2
60°	2566.3	2933.8	2100.0	596.3	194.7	118.7	92.1	83.6	77.7	75.2	75.0
62.5°	3093.5	3342.8	2180.4	406.1	146.4	94.6	81.1	75.8	72.4	70.9	70.7
65°	3635.3	3601.3	2142.0	266.0	111.1	80.3	72.8	69.9	66.9	65.4	65.4
67.5°	3955.4	3546.7	1847.8	184.7	88.1	70.5	65.6	63.0	57.9	56.7	56.7
70°	3503.4	2873.9	1211.2	135.2	71.4	61.8	57.1	53.4	51.4	50.2	49.9
72.5°	2317.1	1870.1	644.0	93.8	59.5	52.6	48.3	46.9	44.4	43.2	43.0
75°	1153.3	982.2	330.1	67.7	49.5	42.2	40.4	39.8	37.7	36.1	35.7
77.5°	480.7	437.3	153.9	49.1	37.7	34.0	32.4	32.4	30.2	28.3	27.5
80°	181.2	161.5	72.8	33.6	27.9	25.3	24.3	23.4	21.6	19.4	18.1
82.5°	242.4	158.4	35.7	21.0	18.3	16.3	14.9	14.3	13.3	12.2	11.4
85°	157.0	112.5	16.1	10.8	9.2	6.9	6.1	5.7	5.1	4.5	4.1
87.5°	32.0	37.7	4.9	2.0	1.2	0.6	0.6	0.2	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)