

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: P630084

Luminaire Tested: GWS-SA1C-830-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-830-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3820.9 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

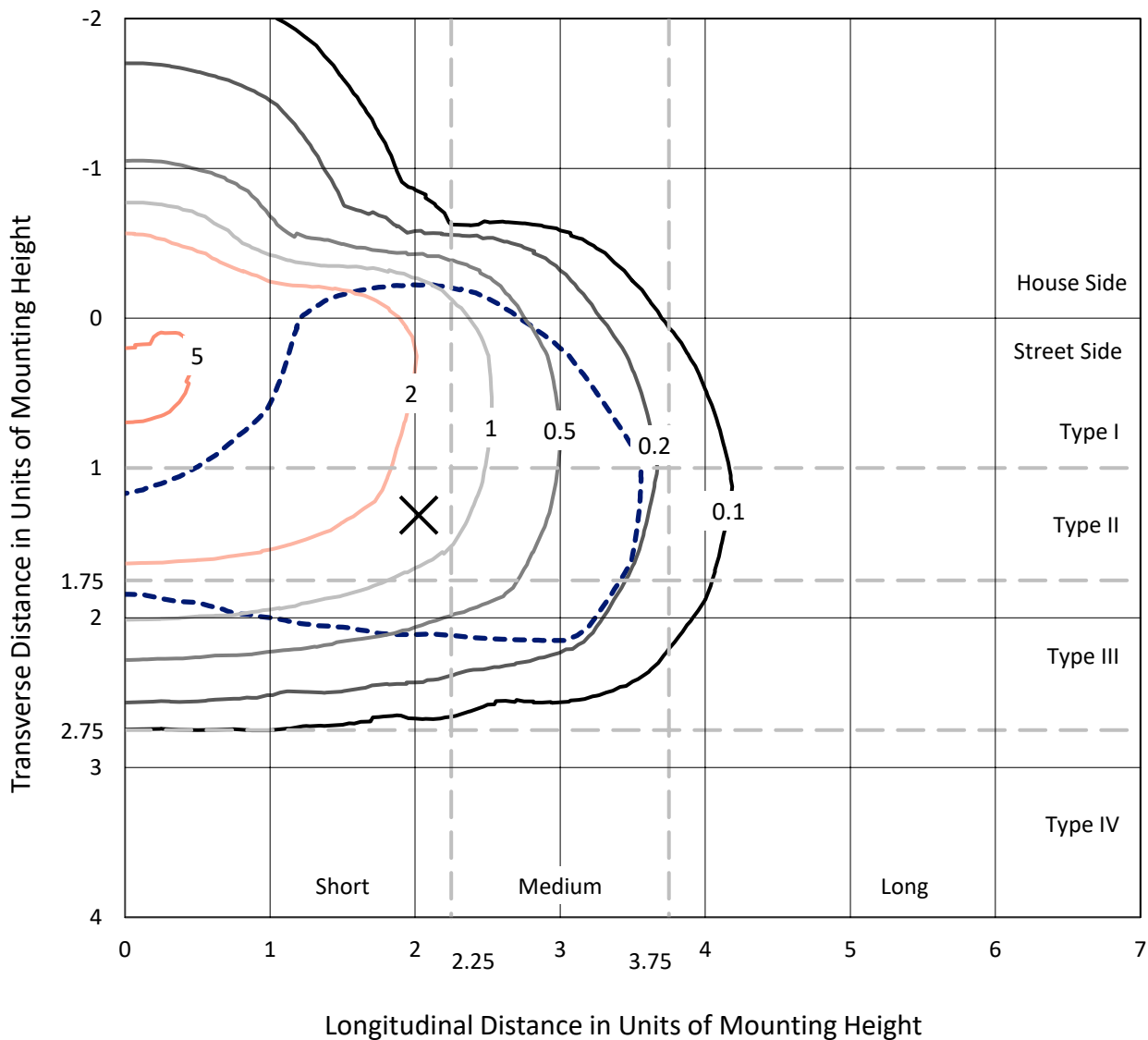
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

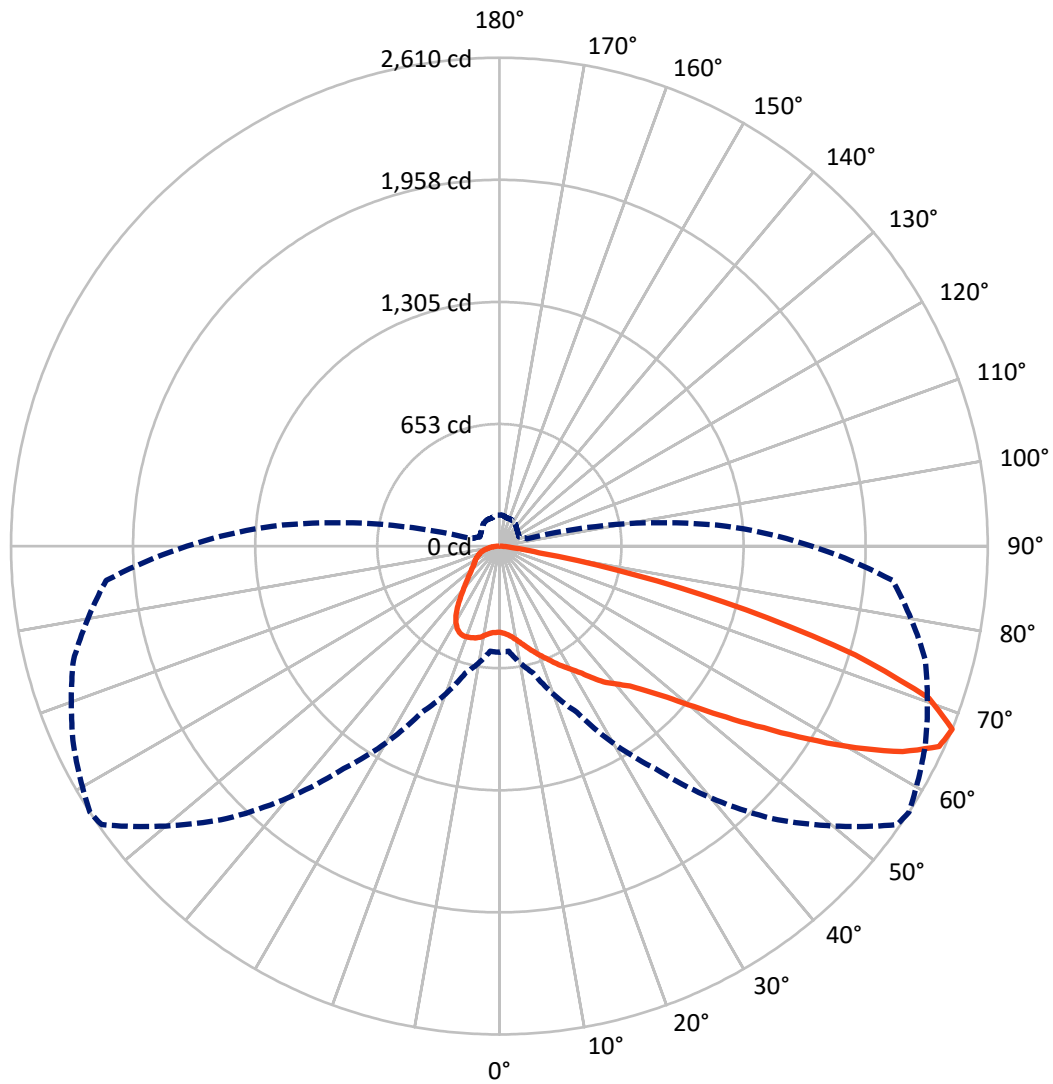
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	840.1	0.0	840.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2980.8	0.0	2980.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	3820.9	0.0	3820.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.2
10°-20°	151.2	4.0
20°-30°	269.5	7.1
30°-40°	391.8	10.3
40°-50°	567.1	14.8
50°-60°	887.5	23.2
60°-70°	1035.3	27.1
70°-80°	432.2	11.3
80°-90°	40.8	1.1
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°	3820.9	100.0
0°-180°	3820.9	100.0

Coefficient of Utilization



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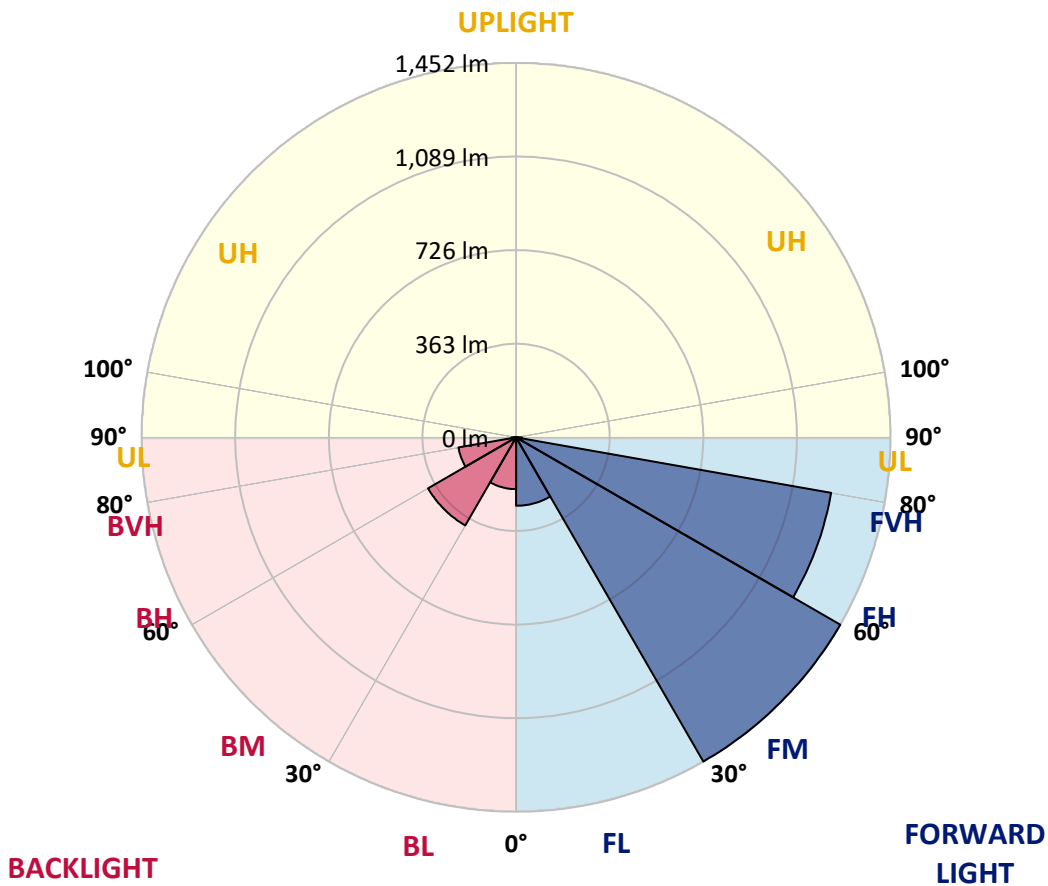
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.4	6.9			
FM (30°-60°)	1452.0	38.0			
FH (60°-80°)	1240.7	32.5			G1/1800
FVH (80°-90°)	22.7	0.6			G1/100
BL (0°-30°)	200.9	5.3	B1/500		
BM (30°-60°)	394.4	10.3	B1/1000		
BH (60°-80°)	226.7	5.9	B1/500		G1/500
BVH (80°-90°)	18.1	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4
2.5°	467.0	466.4	466.1	467.8	467.2	467.0	467.0	466.7	466.1	464.0	460.9
5°	479.8	478.7	477.6	479.0	477.9	476.8	476.5	476.0	474.1	470.8	466.1
7.5°	493.2	492.1	492.4	493.2	492.4	491.9	491.0	490.5	487.5	482.3	476.0
10°	512.1	512.1	512.7	513.5	513.8	512.9	511.3	510.5	506.9	500.4	491.6
12.5°	539.5	538.9	538.9	538.4	539.2	538.4	536.8	535.4	531.0	522.5	509.9
15°	575.6	573.4	571.5	568.0	566.9	563.9	564.4	563.6	559.5	548.0	532.1
17.5°	614.2	613.9	610.9	603.8	596.7	591.8	592.9	592.6	590.4	574.8	554.6
20°	648.2	649.5	646.8	641.3	631.7	622.4	621.9	623.3	620.5	604.9	576.7
22.5°	686.2	685.1	682.4	675.3	668.1	658.3	655.0	653.9	652.8	635.0	599.4
25°	722.3	725.6	722.1	715.5	704.5	693.9	691.1	692.2	689.2	665.7	623.8
27.5°	768.1	769.4	767.2	758.2	748.9	733.8	728.6	728.6	727.5	694.4	643.0
30°	816.8	820.6	816.8	809.4	799.8	778.2	767.0	765.9	762.6	724.0	665.4
32.5°	865.8	868.5	865.8	858.7	847.7	828.8	812.7	810.2	805.8	756.3	688.4
35°	909.3	911.8	911.2	912.8	903.8	880.0	870.1	869.1	857.6	798.4	719.6
37.5°	956.9	959.9	955.8	959.1	955.5	933.1	930.1	924.6	908.2	838.1	752.4
40°	1011.1	1013.8	1007.3	1008.6	1004.5	992.0	976.6	969.2	944.9	881.1	804.2
42.5°	1069.1	1075.4	1078.4	1076.0	1066.4	1059.3	1032.5	1023.2	1002.9	958.6	889.3
45°	1153.2	1162.5	1166.9	1160.6	1156.5	1146.3	1113.5	1102.3	1091.6	1067.8	1008.1
47.5°	1243.8	1252.3	1266.2	1269.0	1272.2	1264.6	1218.3	1207.4	1209.3	1206.5	1154.3
50°	1316.0	1323.1	1354.6	1388.3	1416.2	1418.4	1359.3	1347.5	1357.9	1366.7	1330.3
52.5°	1368.6	1374.9	1416.5	1486.0	1549.2	1596.0	1532.3	1518.9	1527.3	1547.0	1530.4
55°	1411.3	1420.0	1463.6	1570.3	1698.1	1772.0	1731.3	1714.3	1710.7	1735.1	1744.7
57.5°	1433.7	1436.5	1497.5	1636.3	1807.4	1944.8	1962.6	1943.4	1909.5	1922.9	1972.7
60°	1382.5	1387.2	1470.7	1653.3	1893.6	2116.1	2205.3	2189.5	2117.2	2124.6	2179.6
62.5°	1241.0	1247.6	1348.1	1572.5	1900.7	2230.5	2429.5	2419.4	2322.5	2282.5	2299.0
65°	995.5	997.7	1101.7	1372.7	1759.2	2244.8	2585.8	2583.3	2465.9	2372.3	2302.0
67.5°	567.7	563.9	702.9	979.1	1451.8	2059.7	2595.9	2610.4	2512.5	2357.5	2110.4
70°	246.1	246.6	310.7	483.1	939.7	1664.7	2411.2	2436.1	2377.8	2111.5	1679.0
72.5°	113.9	115.5	143.2	209.1	401.3	1032.7	1966.1	1988.6	1938.5	1689.9	1221.6
75°	80.5	81.8	95.5	119.9	184.5	402.4	1315.2	1362.3	1386.7	1264.0	805.0
77.5°	61.0	63.0	69.8	83.2	113.9	142.6	629.3	741.5	883.3	786.4	414.7
80°	38.9	38.9	46.3	55.6	69.5	74.2	181.7	215.4	432.2	324.1	162.9
82.5°	26.3	27.1	31.5	35.3	40.0	42.2	78.0	83.2	124.8	110.3	67.1
85°	14.0	14.5	16.4	16.1	19.2	16.7	32.8	32.6	45.7	50.1	25.5
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	3.6	3.8	9.6	15.3	8.5
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°	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4	460.4
2.5°	462.6	459.3	460.9	460.4	462.0	462.0	459.0	458.2	458.5	455.2	454.1
5°	466.7	462.9	463.7	462.6	464.2	465.6	464.2	464.2	465.9	463.4	462.0
7.5°	476.0	471.6	471.6	470.2	472.2	473.3	472.2	473.8	476.8	474.4	473.0
10°	490.8	485.6	485.8	484.2	485.0	484.5	480.1	478.7	479.6	477.4	476.3
12.5°	509.9	502.8	502.8	499.5	497.6	491.9	482.8	479.6	480.1	478.2	477.4
15°	528.3	521.7	520.3	513.8	505.0	494.3	486.1	483.9	484.5	482.6	481.2
17.5°	549.9	541.4	536.5	524.4	508.3	497.3	489.1	483.9	479.6	475.2	474.1
20°	569.9	559.2	550.2	531.6	511.9	496.8	481.5	468.6	457.9	452.2	450.8
22.5°	590.4	576.7	560.8	536.5	511.6	486.9	458.8	439.3	423.4	415.0	416.6
25°	609.8	592.6	571.0	541.1	502.8	465.0	426.7	397.7	379.6	373.1	371.2
27.5°	626.0	604.6	580.3	538.9	484.8	433.6	382.9	350.6	333.1	325.7	323.8
30°	644.1	620.0	593.7	528.8	456.3	389.5	333.4	307.1	294.5	287.4	287.7
32.5°	664.9	639.7	612.6	509.4	419.9	341.9	292.6	274.5	264.4	257.3	256.2
35°	692.8	667.9	625.2	480.1	373.6	298.1	264.7	249.9	237.3	228.0	226.1
37.5°	727.3	710.3	626.5	441.0	324.1	268.0	244.7	228.8	213.5	201.2	199.8
40°	786.4	767.0	615.3	392.0	281.9	248.5	228.0	209.7	191.9	178.2	176.3
42.5°	870.7	830.7	591.2	336.7	250.2	233.2	212.1	188.9	170.8	161.2	159.9
45°	978.0	901.9	555.1	284.7	226.6	218.2	195.4	171.1	161.5	154.7	153.3
47.5°	1109.4	984.8	513.5	244.2	208.3	204.5	178.5	165.1	156.6	150.8	149.4
50°	1266.5	1090.5	479.3	212.4	191.9	188.6	173.0	161.5	154.7	150.0	148.9
52.5°	1445.8	1207.9	462.6	189.7	177.6	174.4	171.1	160.7	154.9	151.4	150.0
55°	1631.9	1331.6	447.0	172.2	165.6	167.5	171.3	163.4	159.0	154.4	153.0
57.5°	1811.7	1447.7	408.7	158.5	156.8	164.2	172.7	166.1	160.9	156.3	154.7
60°	1935.7	1511.2	343.8	147.5	150.3	160.1	169.2	162.0	155.5	153.6	152.7
62.5°	1969.1	1503.5	266.9	136.3	142.3	151.1	159.9	155.2	148.4	151.4	151.6
65°	1891.1	1421.4	200.4	125.4	131.9	139.3	150.3	148.4	145.9	154.1	154.4
67.5°	1670.2	1219.7	152.7	115.8	121.3	130.3	147.3	155.2	155.7	166.1	165.1
70°	1263.8	911.2	119.6	106.7	113.0	130.3	156.8	160.4	153.8	163.4	161.2
72.5°	873.7	601.4	101.8	98.8	102.9	124.3	156.6	156.6	149.4	149.4	145.3
75°	542.8	353.6	88.7	88.7	88.7	108.7	152.2	144.2	131.7	125.9	122.6
77.5°	268.0	171.9	74.5	77.2	74.2	90.9	124.3	118.0	110.3	104.3	102.1
80°	114.4	85.9	60.2	63.2	59.7	68.4	98.5	97.2	89.8	81.8	79.4
82.5°	52.6	44.3	48.2	49.5	43.5	51.5	72.0	72.0	67.9	56.9	52.8
85°	22.4	23.5	33.4	33.4	27.4	29.0	38.6	36.7	32.8	26.8	24.6
87.5°	7.7	11.5	17.0	14.8	5.7	2.5	1.4	0.5	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)