

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: P630128

Luminaire Tested: GWS-SA1D-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 2653.1 lumens
Efficiency: N/A
Efficacy: 59.9 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

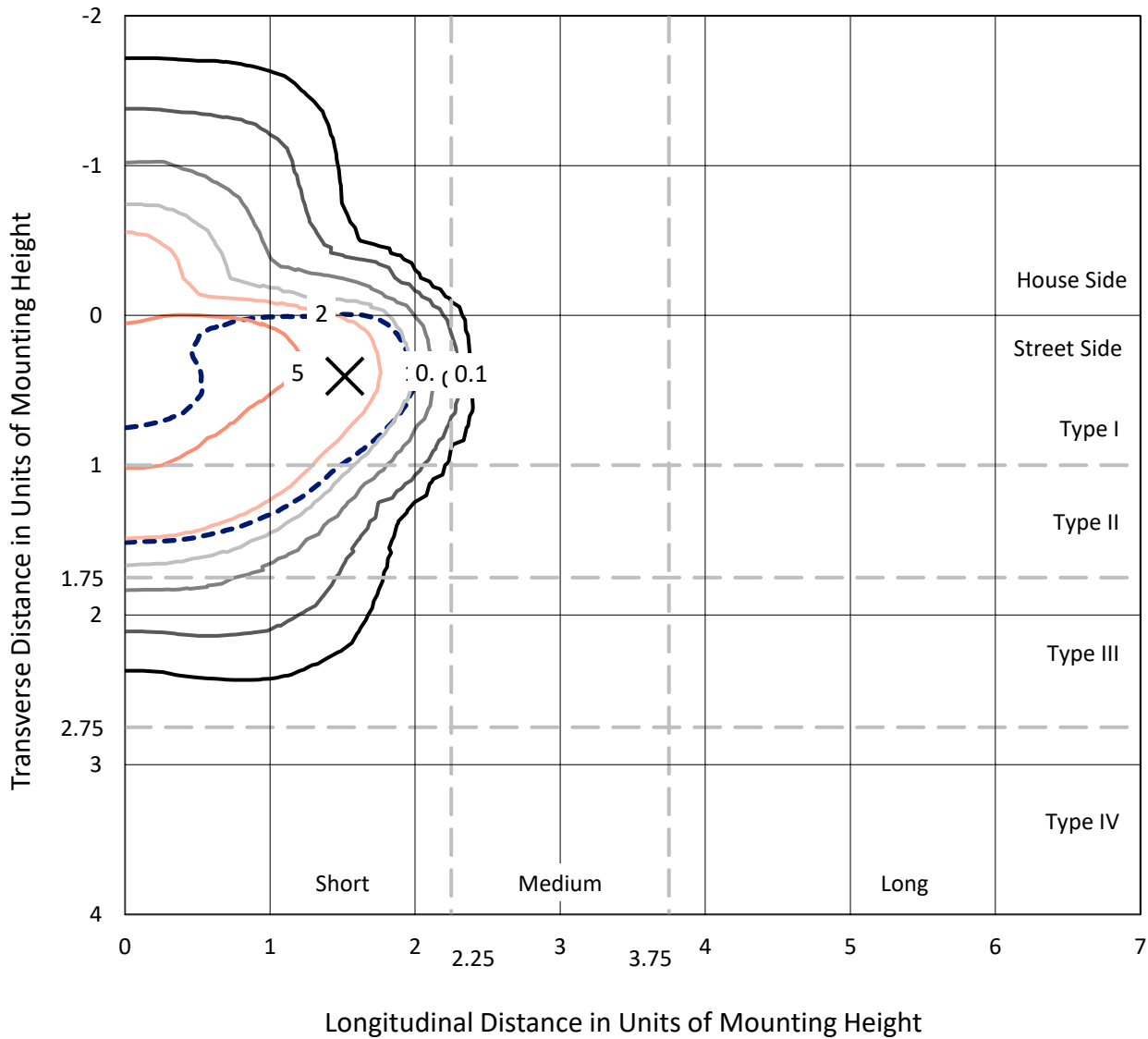
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

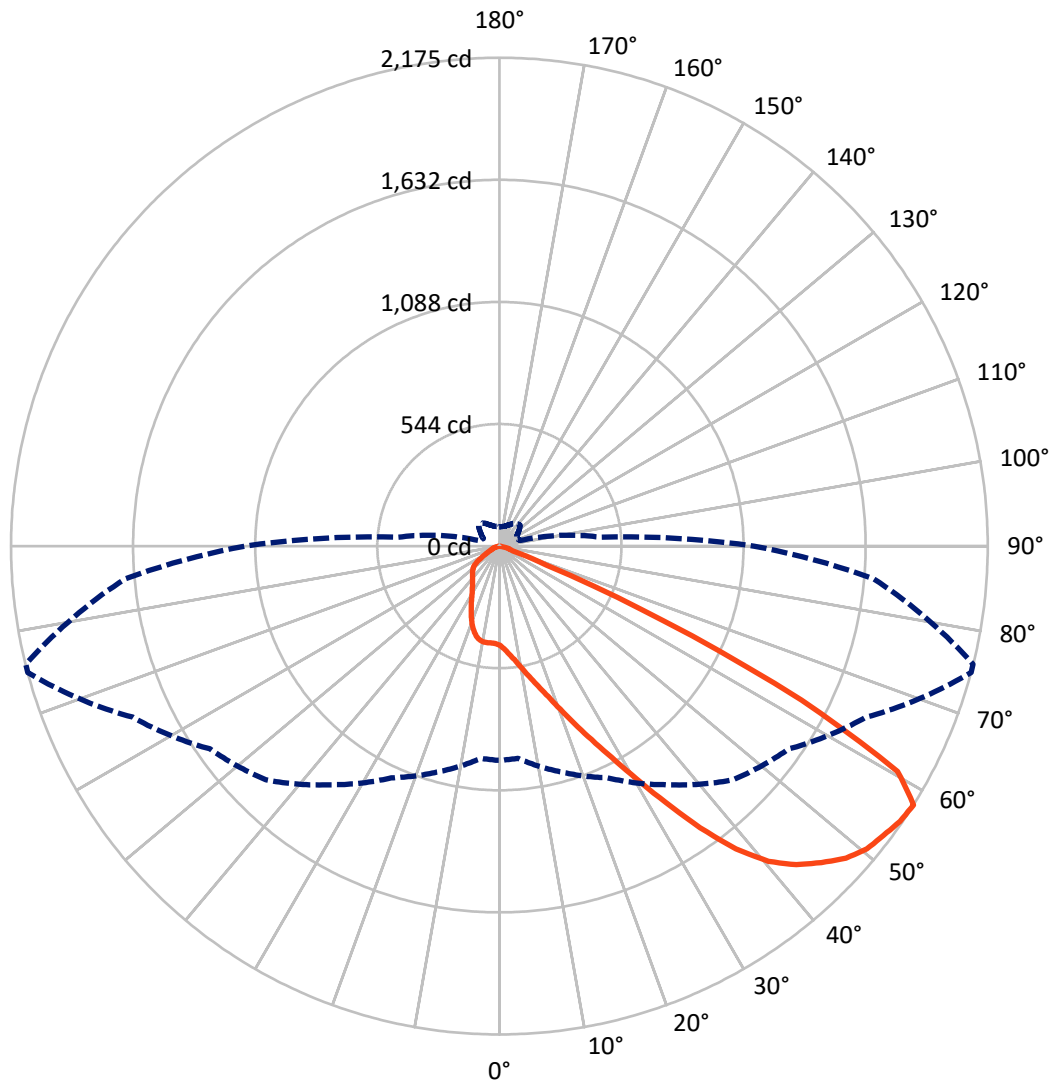
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

REPORT NUMBER: P630128
CATALOG NUMBER: GWS-SA1D-722-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630128

CATALOG NUMBER: GWS-SA1D-722-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	433.4	0.0	433.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	2219.7	0.0	2219.7
	% Fixture	83.7	0.0	83.7
Total	Lumens	2653.1	0.0	2653.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	1.7
10°-20°	146.3	5.5
20°-30°	267.9	10.1
30°-40°	444.4	16.8
40°-50°	678.7	25.6
50°-60°	762.6	28.7
60°-70°	281.3	10.6
70°-80°	26.9	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°	2653.1	100.0
0°-180°	2653.1	100.0

Coefficient of Utilization



REPORT NUMBER: P630128

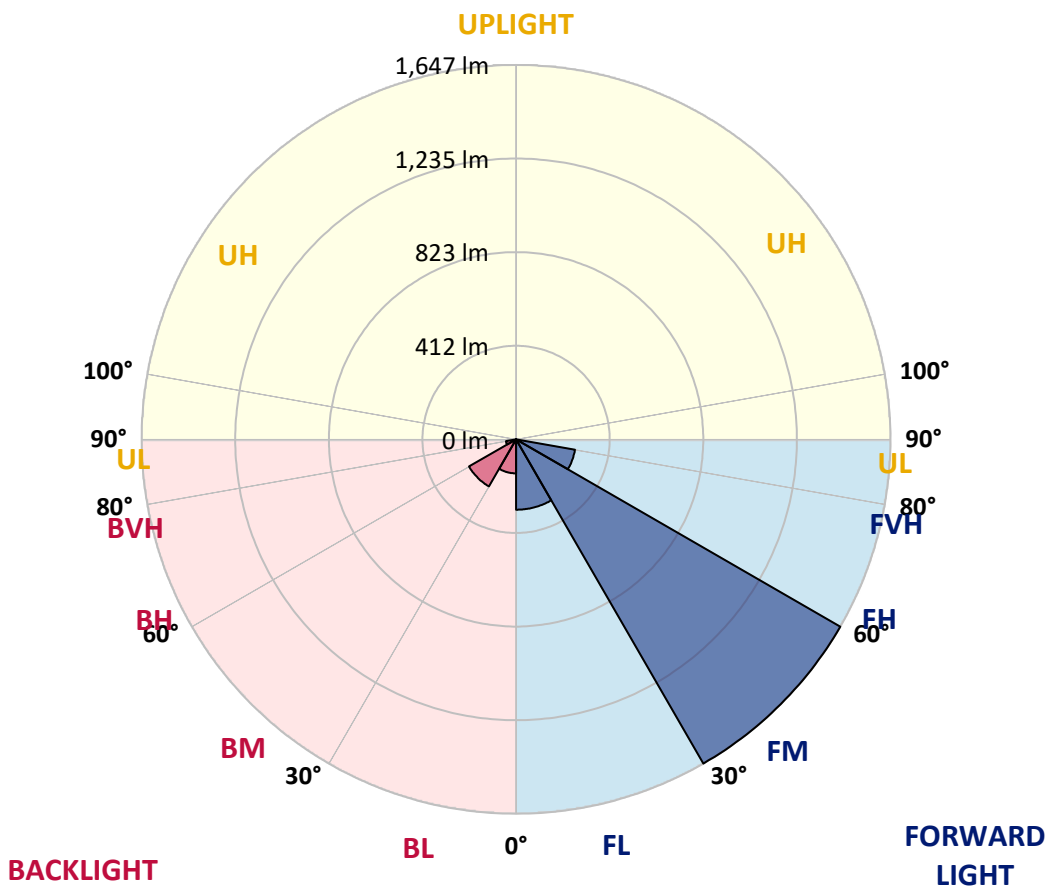
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.6	11.7			
FM (30°-60°)	1646.9	62.1			
FH (60°-80°)	263.2	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	149.5	5.6	B1/500		
BM (30°-60°)	238.8	9.0	B1/1000		
BH (60°-80°)	45.0	1.7	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: P630128

CATALOG NUMBER: GWS-SA1D-722-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	442.5	442.5	442.5	442.5	442.5	442.5	442.5	442.5	442.5	442.5	442.5
2.5°	494.4	499.5	497.9	494.7	492.8	486.0	481.9	469.7	461.1	460.1	452.1
5°	556.8	555.8	554.6	550.7	547.5	537.0	524.5	504.0	485.7	483.5	466.5
7.5°	591.1	591.7	592.3	591.7	589.5	581.5	567.7	543.7	515.8	513.9	487.0
10°	605.2	606.4	609.6	615.7	621.2	620.5	612.5	587.9	553.6	550.4	514.2
12.5°	611.9	613.5	618.6	630.1	644.9	656.4	657.7	635.6	597.8	592.7	546.6
15°	621.2	622.8	629.2	644.2	665.7	688.4	703.1	689.0	646.8	641.3	582.1
17.5°	625.3	627.6	636.9	656.7	684.6	719.5	752.8	751.5	704.7	700.6	623.4
20°	633.3	634.9	643.3	664.7	698.3	748.6	804.6	824.8	775.5	769.4	673.4
22.5°	658.6	659.3	663.1	676.6	707.9	769.7	857.5	910.3	859.1	851.1	729.4
25°	699.9	699.6	701.2	703.5	726.5	791.2	908.4	1006.7	954.8	946.2	792.8
27.5°	752.4	752.4	756.3	749.9	759.2	817.8	958.6	1117.5	1066.2	1054.1	862.3
30°	814.2	813.9	822.9	812.6	815.5	859.7	1012.8	1238.2	1200.7	1185.7	942.3
32.5°	898.1	896.2	906.5	892.4	882.8	923.1	1078.7	1364.3	1361.8	1338.7	1042.9
35°	1004.1	1000.9	1004.1	990.3	973.1	1011.8	1165.2	1490.2	1540.4	1516.1	1162.6
37.5°	1109.5	1119.7	1123.2	1099.5	1085.4	1124.2	1269.2	1602.9	1711.1	1685.8	1287.2
40°	1233.7	1230.5	1242.7	1216.1	1207.1	1250.0	1371.0	1686.8	1846.2	1822.2	1397.9
42.5°	1325.3	1331.0	1346.1	1331.3	1324.3	1364.6	1456.5	1735.7	1940.0	1916.3	1477.0
45°	1435.1	1439.2	1445.0	1432.8	1425.5	1465.2	1518.3	1757.2	2011.4	1985.8	1530.2
47.5°	1553.9	1557.1	1557.1	1532.1	1508.4	1524.7	1559.6	1769.4	2077.1	2052.4	1569.6
50°	1639.0	1640.6	1654.7	1637.1	1585.6	1560.3	1578.5	1781.2	2120.6	2097.6	1582.4
52.5°	1563.5	1561.6	1608.0	1644.5	1658.3	1608.0	1611.2	1798.5	2141.7	2121.9	1592.6
55°	1316.6	1313.4	1378.7	1467.4	1588.8	1653.1	1650.6	1808.7	2165.1	2152.9	1629.8
57.5°	954.5	949.0	1040.0	1138.6	1297.7	1472.2	1574.7	1803.0	2175.4	2174.4	1673.0
60°	573.8	569.3	655.1	758.8	881.8	1057.3	1227.3	1615.0	2038.3	2040.2	1560.6
62.5°	353.2	357.3	434.8	487.6	533.4	586.3	684.6	1086.4	1510.0	1522.5	1096.6
65°	237.6	240.8	312.5	379.1	379.1	309.9	266.1	519.3	805.6	784.5	518.7
67.5°	159.5	163.0	219.6	297.5	308.7	216.1	107.9	155.0	224.5	217.7	128.4
70°	93.8	97.7	146.3	204.0	224.8	150.5	72.0	65.6	63.7	61.8	49.9
72.5°	41.9	43.5	74.6	103.7	94.8	63.4	50.9	52.5	49.6	48.7	40.7
75°	12.8	13.4	19.2	22.4	22.7	22.7	30.7	41.3	39.1	39.4	31.4
77.5°	3.2	3.2	5.1	4.8	2.6	2.2	5.8	9.3	9.6	8.6	6.4
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	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°	442.5	442.5	442.5	442.5	442.5	442.5	442.5	442.5	442.5	442.5	442.5
2.5°	448.6	440.3	434.8	427.1	421.7	415.9	410.8	406.6	404.4	403.8	404.1
5°	458.8	445.7	432.9	418.2	407.9	398.3	390.6	384.5	381.7	380.7	380.7
7.5°	474.5	456.3	433.5	410.5	393.2	378.1	369.2	362.5	359.9	359.3	357.3
10°	495.0	470.0	432.6	396.7	372.4	356.7	350.3	348.4	349.3	349.6	349.3
12.5°	519.7	484.4	426.5	376.5	350.3	340.7	341.3	346.4	352.2	355.1	355.7
15°	545.9	497.6	412.7	352.5	331.4	331.1	340.4	352.2	363.4	368.2	369.5
17.5°	575.4	508.1	391.6	326.9	315.1	324.4	341.0	359.3	374.3	382.3	383.9
20°	607.7	516.8	364.7	302.9	300.7	317.3	340.4	362.8	381.3	390.3	391.9
22.5°	641.3	522.9	333.6	280.8	287.5	309.3	334.3	356.0	373.7	383.9	385.2
25°	679.8	523.5	301.9	262.2	275.4	298.4	319.5	337.5	352.2	361.2	362.1
27.5°	713.4	515.8	273.8	247.2	264.2	285.0	299.1	309.0	319.2	324.4	324.7
30°	752.1	502.4	247.2	235.0	252.6	268.3	275.4	277.6	278.6	279.5	278.2
32.5°	798.2	486.0	227.3	223.2	239.5	250.1	252.0	247.5	242.1	234.4	232.5
35°	854.9	471.3	211.0	211.6	225.1	231.5	229.9	220.3	209.7	200.4	198.8
37.5°	916.4	458.8	198.5	200.4	209.4	213.9	209.1	198.5	193.7	185.7	186.0
40°	970.8	448.6	187.3	189.2	193.4	197.6	189.9	182.8	191.8	191.2	191.8
42.5°	1009.6	439.9	177.7	176.7	179.6	182.5	176.7	173.2	188.3	184.1	186.3
45°	1032.3	431.9	169.7	163.9	168.4	173.5	169.7	165.2	170.3	151.1	149.5
47.5°	1047.7	427.5	162.7	151.4	159.5	168.4	160.4	149.5	142.2	125.5	124.2
50°	1049.3	425.2	154.3	138.6	148.9	158.5	149.2	134.2	123.6	116.2	115.3
52.5°	1057.6	429.7	142.8	122.3	133.5	148.9	142.5	127.4	113.0	106.6	105.3
55°	1094.7	448.6	123.6	99.9	116.2	141.5	137.0	113.7	99.9	96.1	95.1
57.5°	1133.1	452.4	97.3	79.1	101.2	131.0	125.2	104.7	91.3	86.8	85.8
60°	1036.1	372.7	73.0	65.3	89.3	121.0	115.9	99.3	83.6	78.1	77.2
62.5°	680.7	201.4	58.0	55.4	75.2	102.5	105.7	89.7	74.6	68.8	68.5
65°	313.8	93.5	44.5	43.9	58.9	81.6	90.9	78.4	63.1	58.0	58.0
67.5°	85.5	46.4	34.9	32.3	40.0	54.8	66.3	58.6	44.8	38.7	38.4
70°	42.6	37.5	31.4	27.9	28.8	33.9	39.1	32.7	22.7	18.6	18.3
72.5°	34.9	30.7	26.6	23.7	21.8	20.8	20.2	16.3	10.6	8.0	7.7
75°	25.9	22.1	18.9	15.4	13.1	12.2	10.9	8.0	4.5	2.6	2.2
77.5°	5.8	5.4	5.1	3.8	3.5	2.9	2.2	1.6	0.6	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)