

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: P630132

Luminaire Tested: GWS-SA1D-722-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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: 2994.1 lumens
Efficiency: N/A
Efficacy: 67.6 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

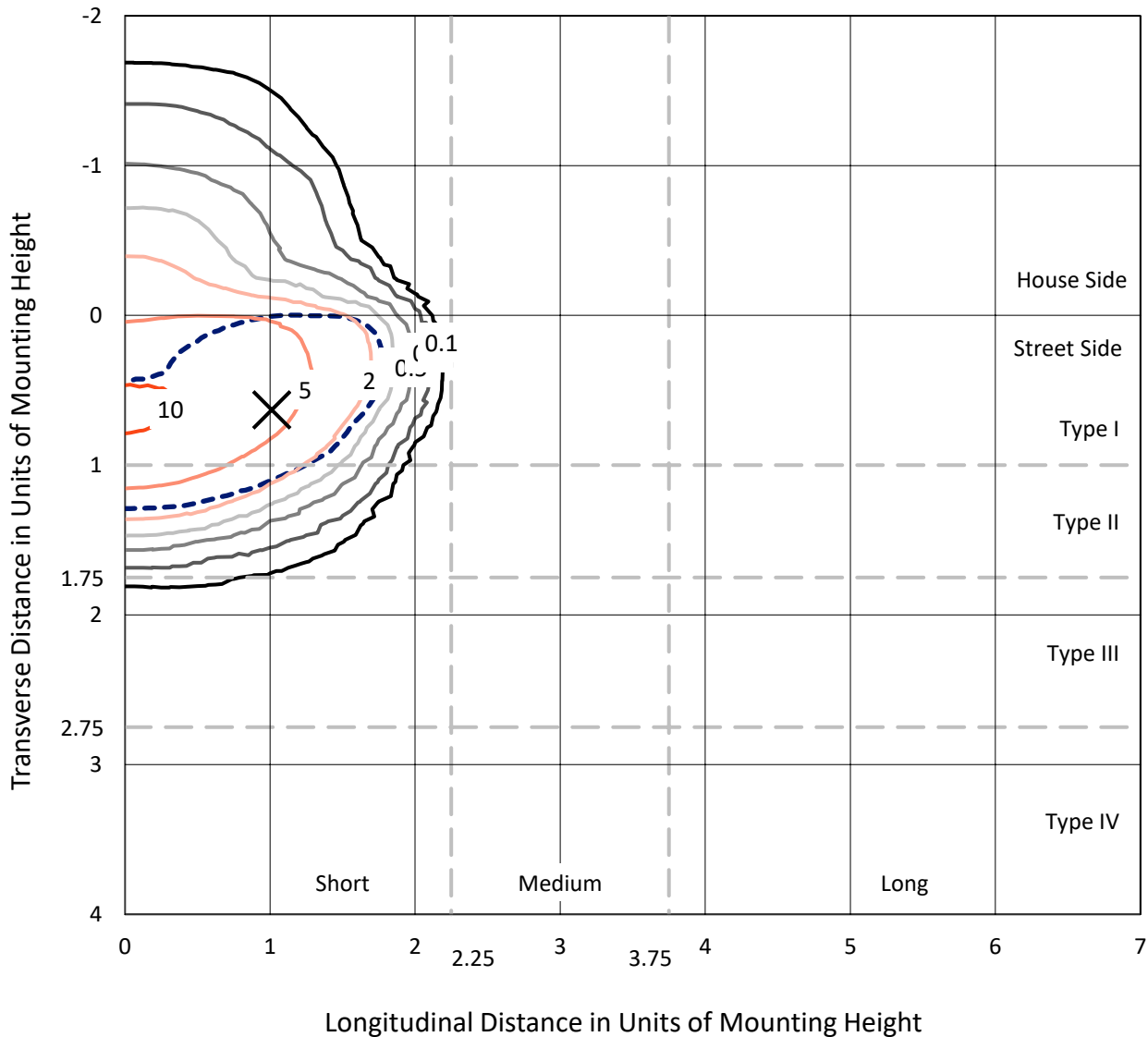
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

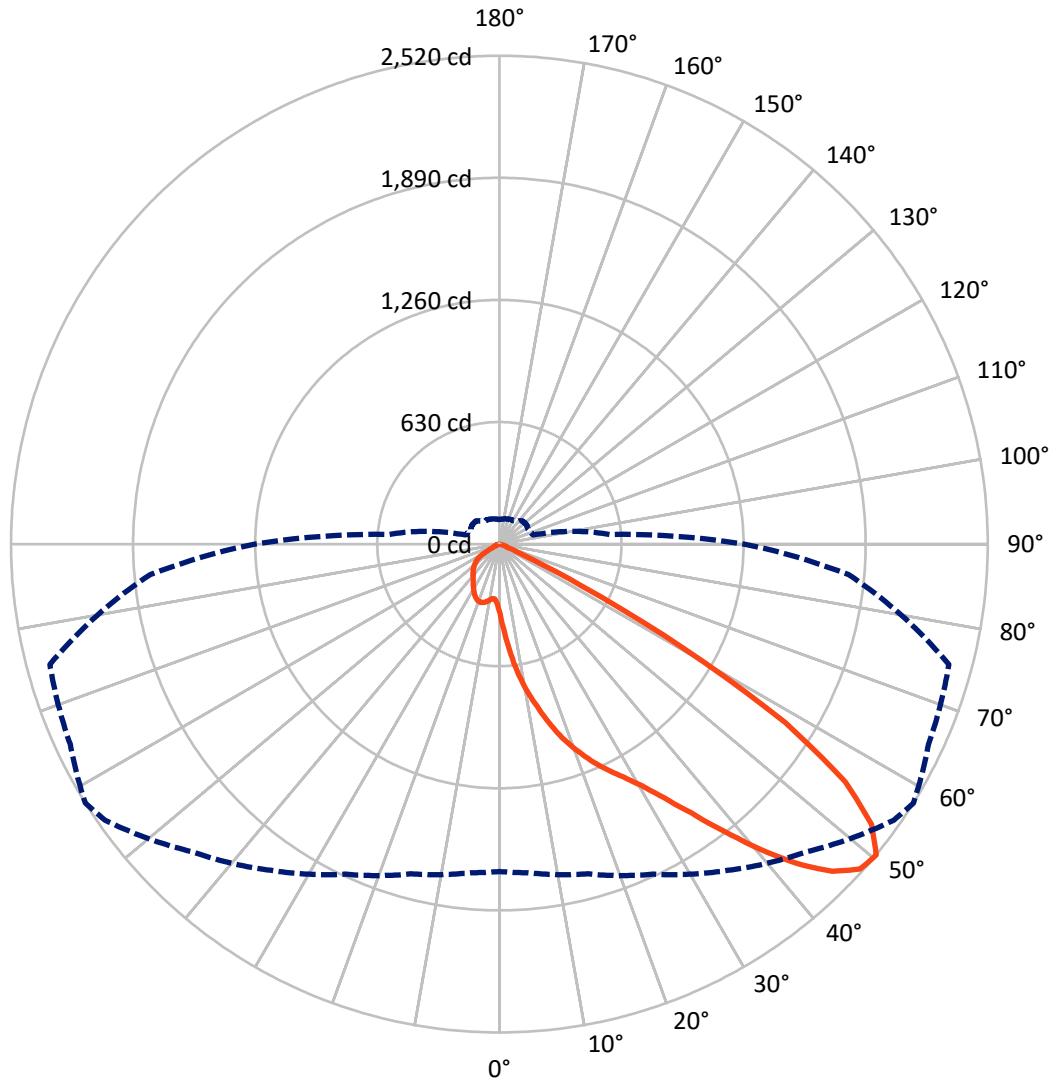
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	419.4	0.0	419.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	2574.7	0.0	2574.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	2994.1	0.0	2994.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	1.5
10°-20°	175.4	5.9
20°-30°	354.9	11.9
30°-40°	627.9	21.0
40°-50°	915.3	30.6
50°-60°	733.7	24.5
60°-70°	132.2	4.4
70°-80°	10.4	0.3
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°	2994.1	100.0
0°-180°	2994.1	100.0

Coefficient of Utilization



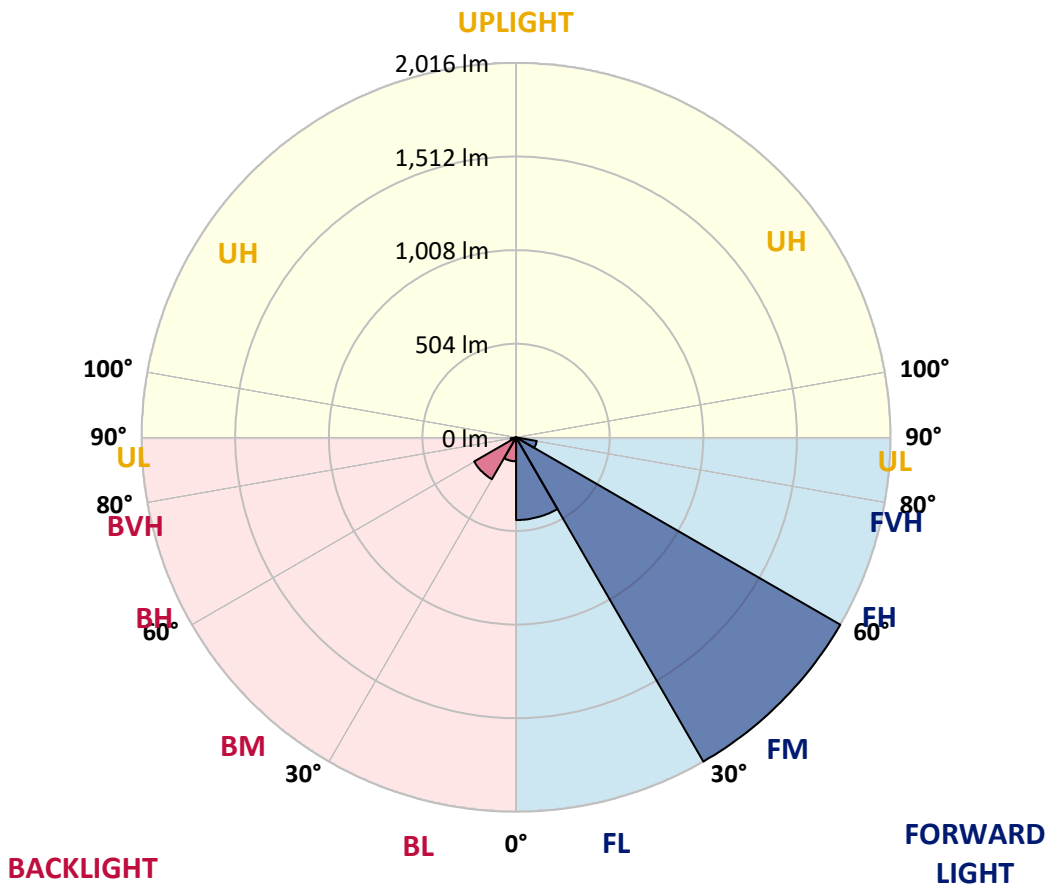
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.5	14.9			
FM (30°-60°)	2016.4	67.3			
FH (60°-80°)	112.8	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	129.1	4.3	B1/500		
BM (30°-60°)	260.4	8.7	B1/1000		
BH (60°-80°)	29.8	1.0	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°	55°	58°	65°	75°	85°
0°	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6
2.5°	529.3	520.9	516.1	512.3	495.3	468.4	450.8	441.5	426.2	400.2	377.8
5°	690.6	684.5	673.3	665.7	643.9	605.8	566.4	550.7	515.8	457.2	404.7
7.5°	797.6	793.1	788.9	778.7	758.2	723.6	680.1	663.7	609.9	526.7	440.6
10°	879.9	876.3	871.5	871.2	855.2	824.1	781.6	764.6	706.3	602.3	482.8
12.5°	952.2	949.3	948.4	957.3	947.1	924.0	877.9	856.8	795.0	679.4	529.6
15°	1001.8	1001.2	1005.4	1023.0	1028.7	1018.2	979.4	956.7	885.6	756.9	581.1
17.5°	1024.6	1026.5	1034.5	1064.9	1090.5	1099.5	1069.7	1050.5	975.6	835.3	636.2
20°	1063.3	1062.7	1067.5	1096.3	1127.7	1159.7	1150.7	1134.4	1066.5	918.3	697.4
22.5°	1172.5	1163.2	1153.0	1157.4	1168.7	1206.1	1222.8	1214.4	1160.3	1003.4	760.4
25°	1340.3	1330.7	1297.7	1265.7	1244.5	1261.5	1284.2	1288.4	1253.5	1090.9	826.4
27.5°	1518.3	1509.6	1472.5	1424.5	1364.0	1334.5	1351.5	1359.8	1345.1	1194.9	896.5
30°	1685.1	1673.6	1632.9	1573.4	1503.2	1458.1	1438.9	1444.6	1453.3	1318.2	978.8
32.5°	1829.8	1821.2	1772.5	1709.8	1642.2	1595.1	1550.3	1559.9	1581.0	1469.0	1084.1
35°	1952.5	1948.0	1896.4	1834.0	1762.6	1738.6	1700.2	1702.1	1723.2	1651.2	1212.5
37.5°	2059.1	2051.4	2004.6	1946.7	1890.0	1886.2	1875.6	1876.6	1887.5	1863.4	1360.1
40°	2126.3	2119.3	2086.0	2050.1	2009.8	2010.4	2065.2	2069.3	2056.8	2071.9	1516.0
42.5°	2151.6	2146.5	2128.6	2128.9	2124.7	2143.6	2246.4	2254.1	2209.2	2235.5	1649.2
45°	2107.7	2105.5	2106.8	2152.9	2202.8	2261.1	2394.6	2408.1	2344.7	2344.0	1753.3
47.5°	1966.2	1961.7	1999.2	2077.6	2193.2	2306.6	2484.3	2505.1	2439.4	2406.1	1818.6
50°	1688.9	1701.8	1761.0	1878.8	2054.6	2244.1	2483.3	2519.5	2443.0	2400.7	1807.7
52.5°	1223.4	1220.8	1350.5	1512.5	1726.4	2044.3	2351.4	2404.2	2357.5	2347.2	1783.4
55°	665.7	689.0	776.4	991.0	1258.0	1666.2	2050.1	2165.4	2219.5	2327.7	1827.3
57.5°	244.6	254.9	309.6	461.4	666.0	1036.1	1566.0	1739.9	1907.0	2273.3	1819.9
60°	98.6	100.5	122.3	169.7	279.8	527.3	939.4	1093.7	1251.3	1740.2	1396.6
62.5°	71.7	74.3	82.9	99.3	141.5	230.5	405.0	471.0	514.8	861.9	688.1
65°	58.0	59.9	66.9	74.3	93.5	123.9	130.6	125.8	125.2	222.8	157.8
67.5°	48.0	49.9	55.1	60.2	67.2	61.8	44.8	47.1	38.4	38.1	31.1
70°	35.2	37.5	42.6	48.0	40.3	16.6	25.9	38.4	29.1	24.3	23.7
72.5°	26.6	28.2	33.0	31.4	11.8	6.4	17.3	27.9	22.4	17.9	17.6
75°	19.9	20.8	16.6	5.1	1.3	1.6	6.4	11.5	12.5	10.2	10.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0	1.3	1.6	1.9
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°	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6
2.5°	365.0	351.6	332.3	316.3	304.2	292.3	283.4	274.4	274.1	269.6	268.6
5°	380.4	356.0	320.8	295.5	280.2	270.9	264.5	261.3	259.7	258.1	257.4
7.5°	402.5	367.6	318.9	292.0	279.2	273.1	268.6	266.7	265.7	264.5	264.1
10°	429.7	384.2	325.9	298.7	287.5	281.8	277.0	274.1	272.5	270.2	269.6
12.5°	462.3	404.7	337.1	309.9	298.1	290.4	284.0	279.8	277.6	274.7	274.1
15°	497.6	426.8	349.6	320.2	306.1	296.2	288.2	281.8	277.6	274.1	273.1
17.5°	534.1	449.2	360.8	327.2	309.9	298.1	286.6	277.9	272.8	268.3	267.0
20°	575.0	472.3	368.2	328.5	308.7	293.0	279.5	268.6	263.5	257.4	256.1
22.5°	617.9	493.7	371.4	325.6	301.6	283.4	269.0	257.7	250.4	244.0	242.1
25°	659.6	512.9	369.8	317.6	291.0	269.9	255.2	243.7	235.7	229.2	227.6
27.5°	703.8	528.9	364.0	305.8	276.6	255.2	241.1	231.2	223.8	216.8	215.2
30°	753.4	543.7	354.8	291.4	259.7	240.1	229.2	222.5	214.5	207.2	204.9
32.5°	813.3	556.8	341.3	274.1	244.6	227.0	220.9	215.8	206.5	198.8	197.2
35°	881.8	567.7	324.3	256.1	229.9	218.7	217.4	210.7	198.5	189.5	187.6
37.5°	961.2	578.2	304.2	238.5	219.0	214.8	215.2	203.6	188.9	178.0	176.7
40°	1046.7	588.8	281.8	223.2	209.1	212.6	209.7	193.4	169.4	158.8	157.5
42.5°	1135.7	600.3	259.0	208.8	200.8	204.0	199.8	172.9	155.6	150.2	149.5
45°	1216.0	614.1	234.4	194.3	192.4	191.5	184.4	156.6	149.2	145.4	145.0
47.5°	1274.0	611.9	208.1	180.6	183.5	180.3	158.8	148.9	142.8	137.7	136.4
50°	1263.4	572.8	180.9	165.2	171.9	169.1	142.8	139.9	134.5	129.0	127.1
52.5°	1236.5	519.7	157.2	148.9	159.4	152.7	131.9	129.0	124.2	117.2	114.9
55°	1250.9	469.7	138.6	135.8	146.6	126.5	119.7	115.3	110.1	102.5	101.5
57.5°	1204.5	383.3	111.4	113.3	129.7	107.9	105.0	98.0	89.3	84.2	83.6
60°	833.7	205.9	69.8	72.0	93.8	90.6	94.1	87.7	77.2	72.4	71.4
62.5°	382.9	82.6	38.1	36.5	49.3	61.5	80.7	80.0	66.9	59.2	58.6
65°	92.9	37.8	27.2	25.6	27.9	36.8	52.5	63.1	54.1	45.1	44.2
67.5°	30.1	30.7	25.0	23.4	24.7	27.5	31.4	34.9	34.6	31.7	31.1
70°	24.0	27.9	23.1	21.1	21.1	22.1	21.1	17.0	14.7	16.0	16.6
72.5°	17.9	21.1	18.3	16.3	15.7	15.4	13.1	9.6	6.7	6.1	5.8
75°	10.6	11.8	11.2	9.6	9.0	8.0	6.4	4.2	2.2	1.6	1.0
77.5°	1.9	2.2	2.6	1.9	1.6	1.3	1.0	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.3	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)