

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: P629147

Luminaire Tested: GWS-SA1B-722-U-T2R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-722-U-T2R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2691.9 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

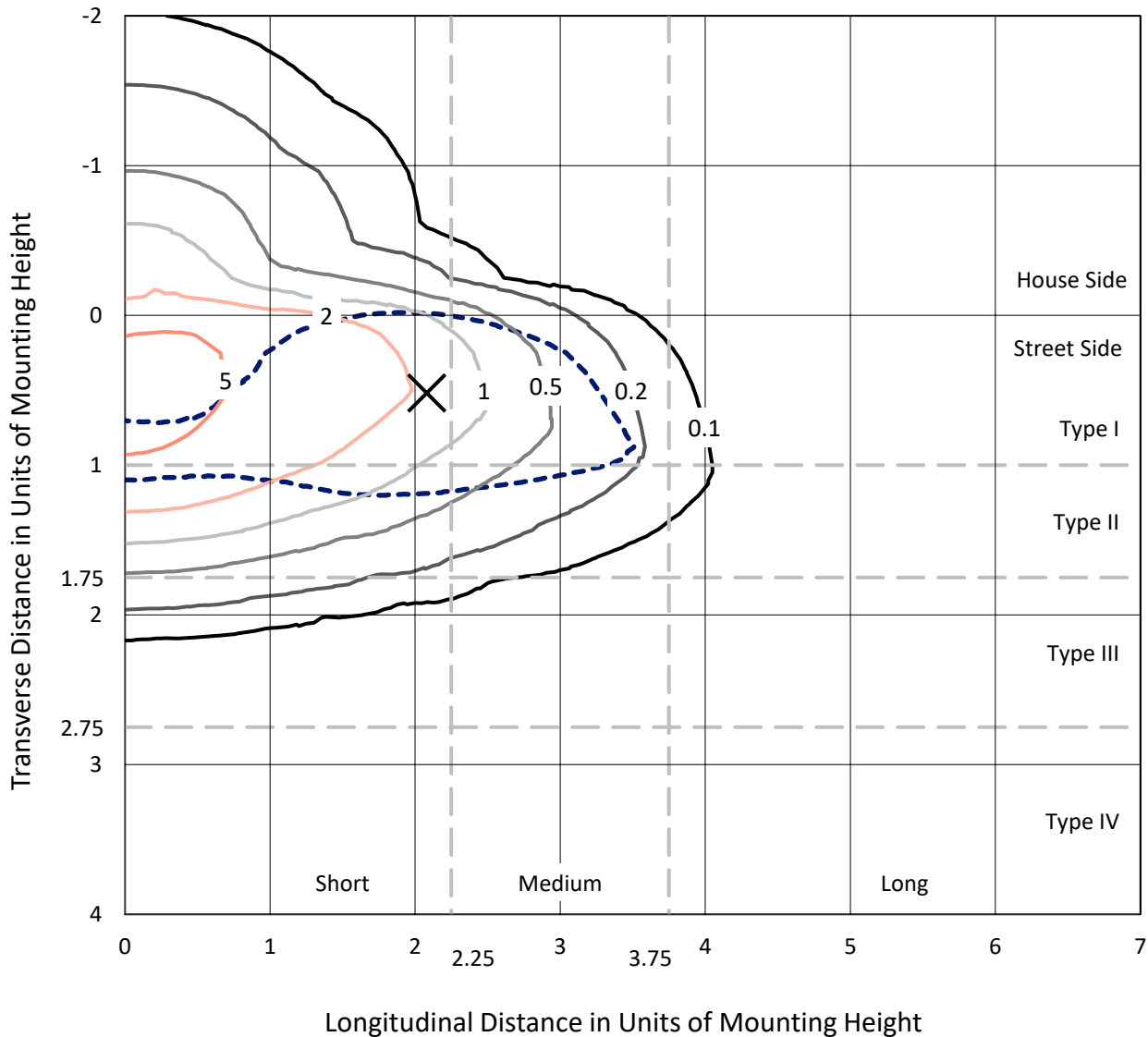


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### Iso-Footcandle Lines of Horizontal Illumination

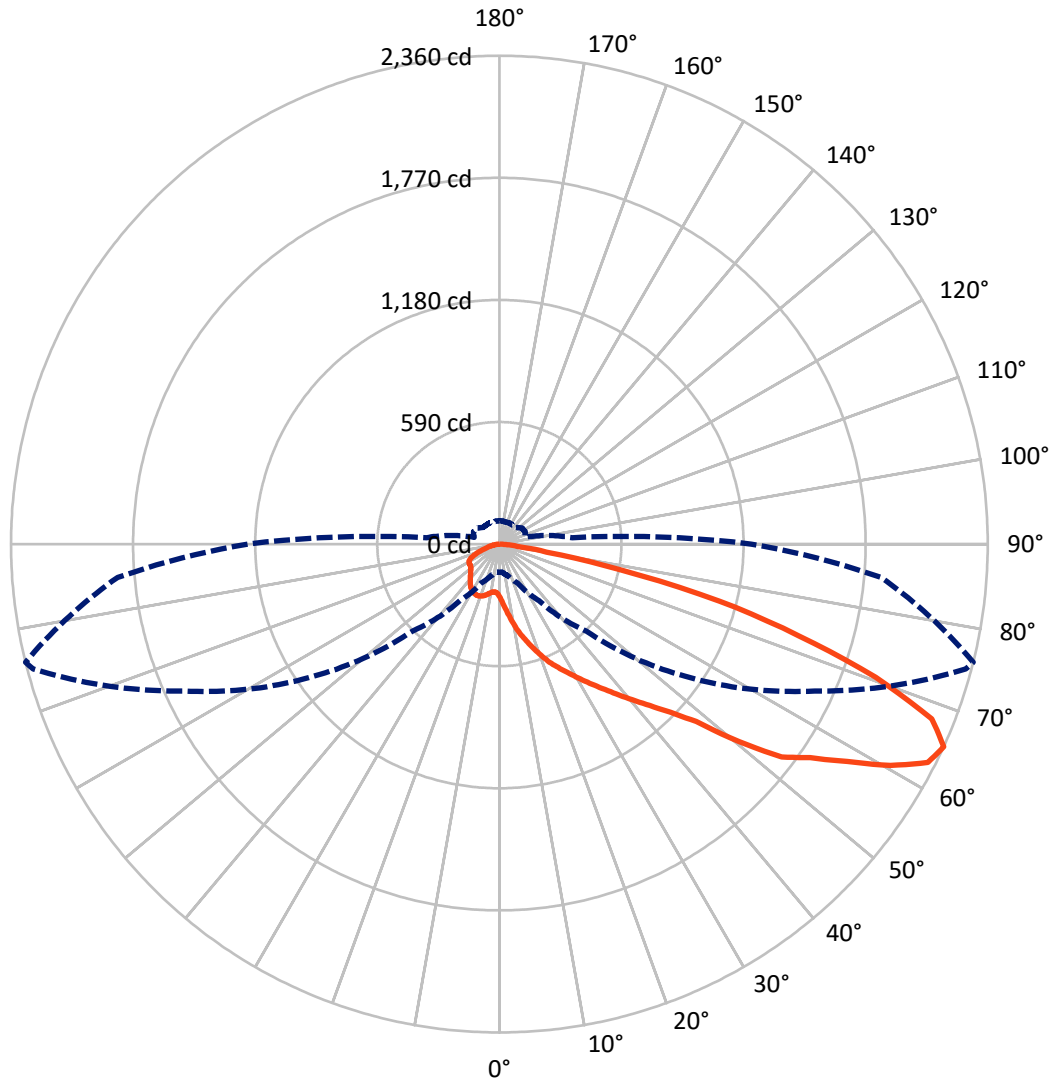
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	449.9	0.0	449.9
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	2242.0	0.0	2242.0
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	2691.9	0.0	2691.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.3	1.1
10°-20°	115.4	4.3
20°-30°	224.8	8.4
30°-40°	376.0	14.0
40°-50°	538.3	20.0
50°-60°	637.3	23.7
60°-70°	529.9	19.7
70°-80°	216.9	8.1
80°-90°	23.1	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°	2691.9	100.0
0°-180°	2691.9	100.0

**Coefficient of Utilization**



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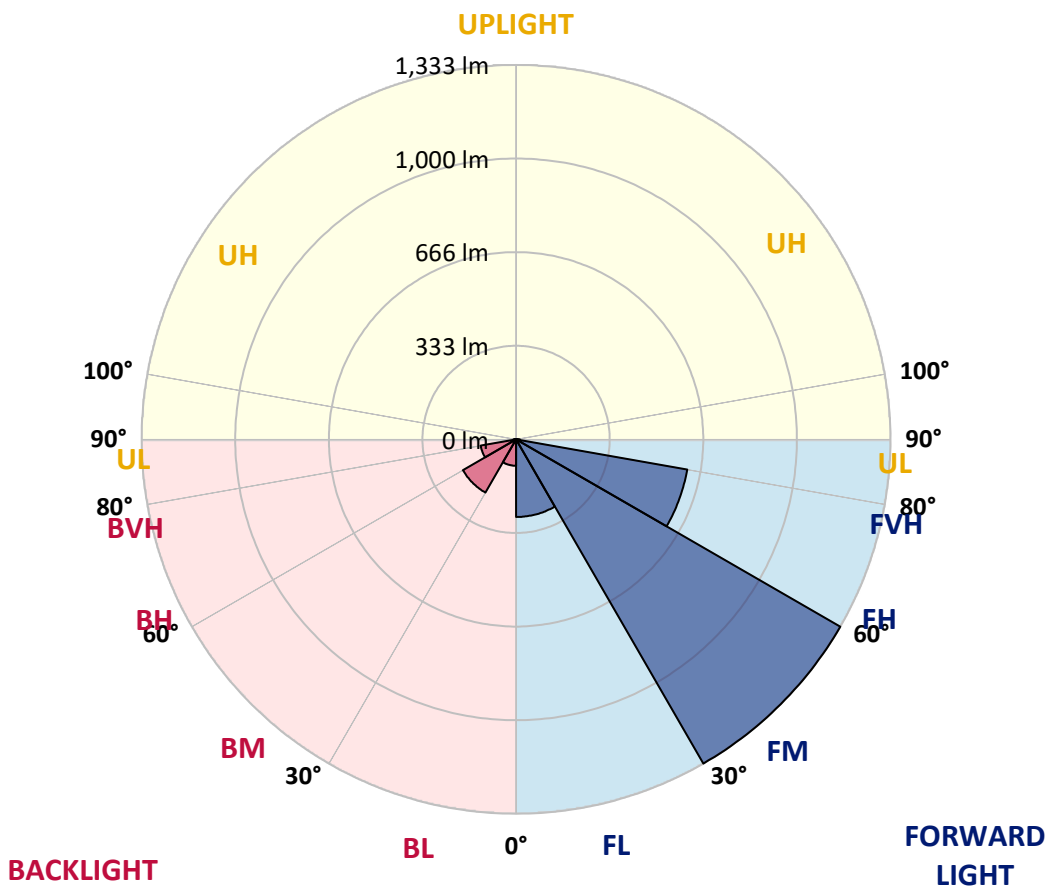
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.3	10.3			
FM (30°-60°)	1332.9	49.5			
FH (60°-80°)	618.9	23.0			G0/660
FVH (80°-90°)	13.8	0.5			G1/100
BL (0°-30°)	94.1	3.5	B0/110		
BM (30°-60°)	218.7	8.1	B0/220		
BH (60°-80°)	127.8	4.7	B1/500		G1/500
BVH (80°-90°)	9.3	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9
2.5°	357.3	358.6	354.3	352.8	342.5	328.7	317.2	299.8	283.7	281.2	266.8
5°	453.8	448.1	443.2	440.0	425.8	410.1	385.7	352.9	318.7	314.5	283.5
7.5°	511.2	510.2	504.1	502.3	491.3	475.6	450.4	409.7	359.9	353.1	306.0
10°	557.1	556.6	553.5	555.2	545.2	529.9	505.5	463.5	405.2	398.4	331.2
12.5°	597.3	598.2	597.6	603.9	598.8	586.8	561.5	515.3	450.4	443.0	361.8
15°	626.6	627.3	630.2	643.8	646.7	644.2	618.5	566.2	495.1	484.5	393.4
17.5°	634.9	636.4	643.2	665.2	680.5	690.7	671.6	618.1	539.0	527.4	425.6
20°	646.1	647.8	654.6	677.5	700.0	723.3	719.9	670.7	583.3	573.8	458.2
22.5°	697.7	696.4	693.4	704.4	720.5	749.4	757.9	721.2	629.1	620.0	494.1
25°	797.3	794.8	775.5	765.5	760.2	777.8	792.9	767.2	673.7	660.1	527.6
27.5°	907.1	905.7	881.1	857.3	824.7	817.2	826.1	807.3	717.0	703.2	556.8
30°	1010.9	1007.0	981.2	951.3	907.8	875.3	862.2	846.7	764.5	750.2	590.8
32.5°	1103.9	1098.8	1068.5	1035.4	989.8	951.3	912.4	888.5	818.3	801.6	625.6
35°	1180.1	1175.0	1144.0	1108.8	1058.6	1030.2	976.9	933.9	873.0	856.1	666.7
37.5°	1239.2	1234.4	1202.1	1167.5	1123.7	1101.2	1054.9	985.0	936.0	918.4	710.2
40°	1272.3	1268.9	1243.0	1215.5	1178.8	1159.3	1138.5	1049.6	1006.6	989.0	761.5
42.5°	1282.3	1280.1	1261.9	1247.7	1222.9	1208.1	1220.1	1125.4	1081.9	1066.6	819.2
45°	1257.2	1257.2	1251.9	1259.0	1260.2	1260.0	1301.8	1211.2	1174.5	1157.6	900.6
47.5°	1192.8	1197.0	1204.7	1240.1	1277.4	1308.6	1397.4	1325.5	1293.5	1279.7	1015.9
50°	1075.1	1086.5	1112.9	1182.0	1261.3	1340.8	1487.8	1494.5	1524.9	1500.5	1185.4
52.5°	902.7	901.0	968.6	1067.0	1187.9	1342.1	1537.6	1643.6	1725.5	1708.7	1311.5
55°	717.4	714.6	777.6	913.3	1075.3	1291.4	1567.5	1711.9	1836.8	1821.7	1424.8
57.5°	549.4	545.8	601.8	724.2	916.3	1183.7	1561.8	1793.3	1989.9	1982.2	1578.9
60°	378.1	373.8	426.2	533.3	728.2	1019.1	1499.0	1835.1	2169.1	2171.8	1743.7
62.5°	227.1	224.6	262.7	345.8	523.8	815.1	1352.0	1809.7	2311.8	2323.7	1849.7
65°	137.0	135.3	157.6	206.3	332.3	594.8	1125.3	1680.1	2332.4	2359.9	1852.1
67.5°	99.7	99.9	106.4	125.7	193.8	384.2	844.4	1447.7	2225.0	2253.3	1735.4
70°	86.7	87.1	90.5	94.8	117.1	219.9	549.0	1142.9	1907.2	1929.2	1455.5
72.5°	77.0	77.0	79.3	81.6	91.6	134.0	294.1	798.8	1505.3	1511.1	1110.9
75°	67.7	67.2	68.3	69.5	79.5	93.7	143.1	556.6	1111.8	1098.2	718.0
77.5°	53.9	53.4	53.6	54.7	63.8	67.0	72.5	347.6	626.6	591.4	317.2
80°	38.4	38.0	40.1	43.0	47.1	41.1	45.4	168.2	248.5	231.3	123.0
82.5°	22.9	23.7	26.9	29.1	32.6	25.7	29.3	56.2	88.0	85.7	50.0
85°	3.2	3.4	9.7	11.2	14.0	10.0	15.5	25.4	35.2	37.7	17.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.5	10.0	10.2	4.4
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°	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9	254.9
2.5°	259.5	250.6	237.9	227.3	218.4	211.2	205.1	200.6	199.3	197.4	197.4
5°	268.9	252.8	230.1	214.0	204.8	199.3	195.5	193.6	192.7	191.5	190.9
7.5°	282.0	259.5	228.8	212.5	205.3	201.9	199.5	198.3	197.6	196.4	196.4
10°	300.0	269.3	233.0	217.8	212.1	208.7	205.9	204.0	202.3	200.6	200.2
12.5°	319.4	282.2	240.5	225.0	219.0	214.8	210.8	208.0	205.9	203.8	203.2
15°	341.0	295.4	248.7	232.0	224.4	218.8	214.0	209.7	206.8	203.8	203.4
17.5°	362.2	308.8	255.5	236.7	227.1	220.1	213.3	207.6	204.0	200.6	199.7
20°	387.6	322.3	260.2	238.1	226.5	217.3	209.1	201.9	198.0	194.0	193.4
22.5°	410.9	334.8	262.5	236.2	222.2	211.2	201.7	194.0	189.6	185.6	184.9
25°	433.4	345.8	261.5	231.6	215.6	202.9	193.0	185.3	181.1	176.9	175.8
27.5°	455.1	353.1	257.8	224.6	207.2	193.6	184.1	177.1	173.5	169.9	168.4
30°	476.5	359.9	251.9	215.6	196.6	183.9	176.2	171.3	167.7	163.9	162.8
32.5°	498.1	364.9	243.0	205.0	185.8	175.4	170.7	167.1	163.3	159.5	158.4
35°	519.9	366.9	232.2	192.8	176.8	169.9	168.2	164.1	159.0	154.4	152.9
37.5°	545.8	368.8	218.8	180.9	168.8	167.3	166.9	160.7	154.6	148.4	146.7
40°	577.0	371.3	205.0	170.1	162.4	166.3	164.8	156.3	144.2	138.1	136.3
42.5°	615.2	375.8	190.6	160.3	157.6	162.8	161.0	145.7	137.6	134.2	133.2
45°	671.4	392.5	176.2	152.5	154.0	157.6	155.0	139.5	136.3	134.0	132.8
47.5°	771.6	418.0	163.7	146.7	151.2	153.1	142.9	137.8	135.3	132.3	131.0
50°	875.6	429.2	153.7	143.1	148.0	148.9	136.3	135.5	133.8	130.6	129.3
52.5°	946.0	427.7	147.6	141.7	145.3	141.7	133.2	133.0	131.9	128.1	126.6
55°	1025.5	430.3	145.0	142.1	144.2	129.6	129.4	130.0	129.4	125.3	124.5
57.5°	1132.8	438.5	143.6	143.4	143.4	123.8	125.8	126.6	125.5	123.6	123.0
60°	1236.0	439.0	141.2	145.0	142.9	120.2	121.7	122.4	121.1	120.7	120.5
62.5°	1274.8	411.8	135.7	143.8	140.6	116.2	117.3	117.7	116.4	117.3	117.1
65°	1217.0	353.9	126.6	138.3	133.6	112.6	111.8	112.8	110.5	113.0	113.2
67.5°	1080.6	281.2	112.8	127.9	123.8	108.6	107.1	107.1	103.3	107.1	106.9
70°	871.3	198.7	92.5	111.3	113.0	103.9	103.1	98.8	92.7	98.4	97.8
72.5°	660.5	142.7	72.9	88.0	97.3	97.3	97.5	90.1	83.1	85.7	83.5
75°	418.4	100.5	58.3	67.4	76.3	85.3	89.7	76.1	69.8	68.7	67.6
77.5°	188.5	66.0	45.4	51.7	54.1	67.4	81.9	65.5	57.0	54.5	53.7
80°	78.9	41.1	32.4	36.5	33.3	56.6	72.3	50.9	41.8	38.4	36.0
82.5°	34.6	24.4	20.6	19.7	20.8	42.0	53.9	33.9	26.1	35.4	35.8
85°	14.6	12.9	10.6	9.7	8.5	16.1	25.4	13.2	16.3	9.3	7.6
87.5°	3.4	3.8	2.8	1.9	1.1	0.2	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)