

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: P629427

Luminaire Tested: GWS-SA1B-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629427  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

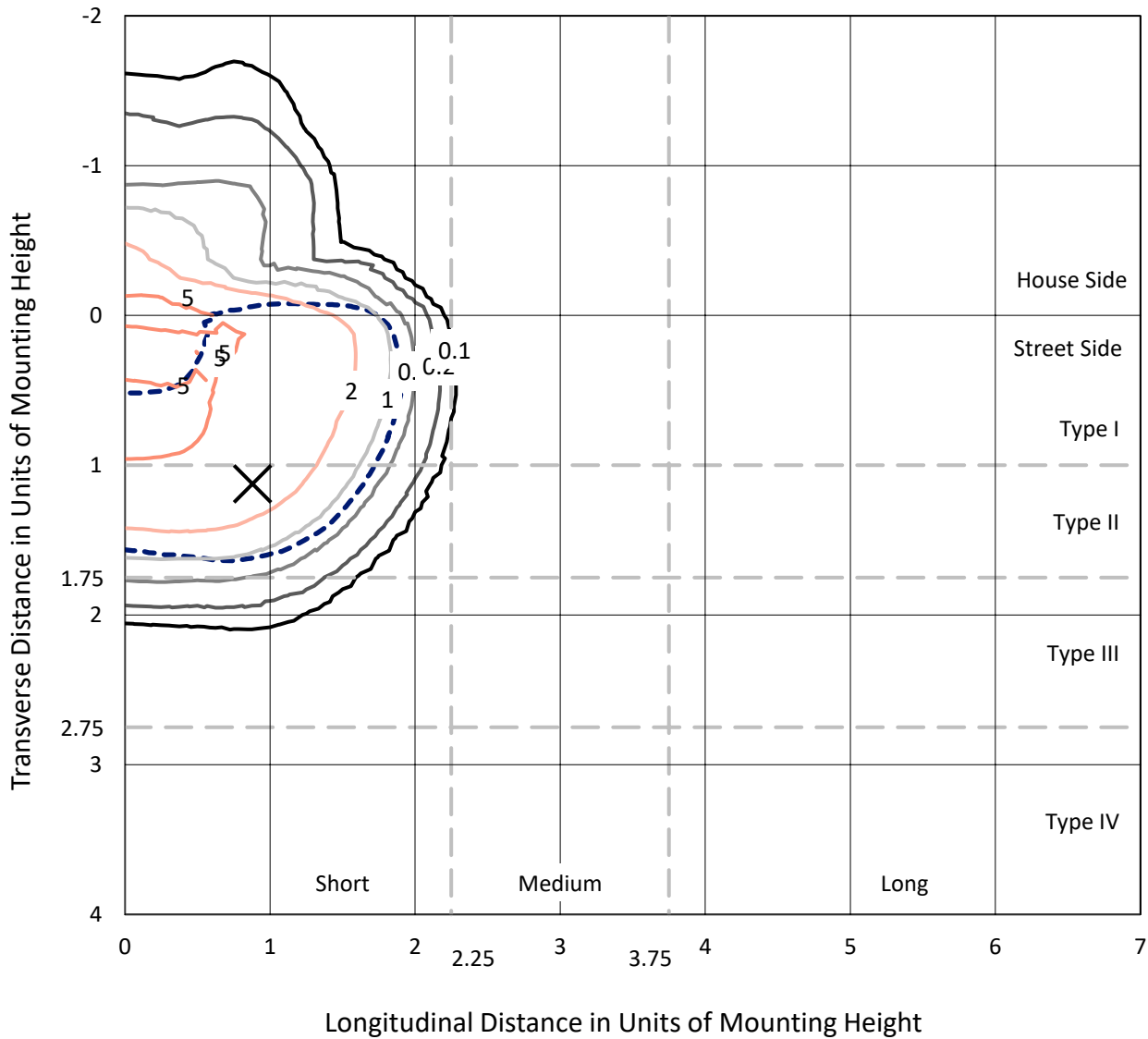
Lumens per Lamp: N/A  
Luminaire Lumens: 2299.4 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

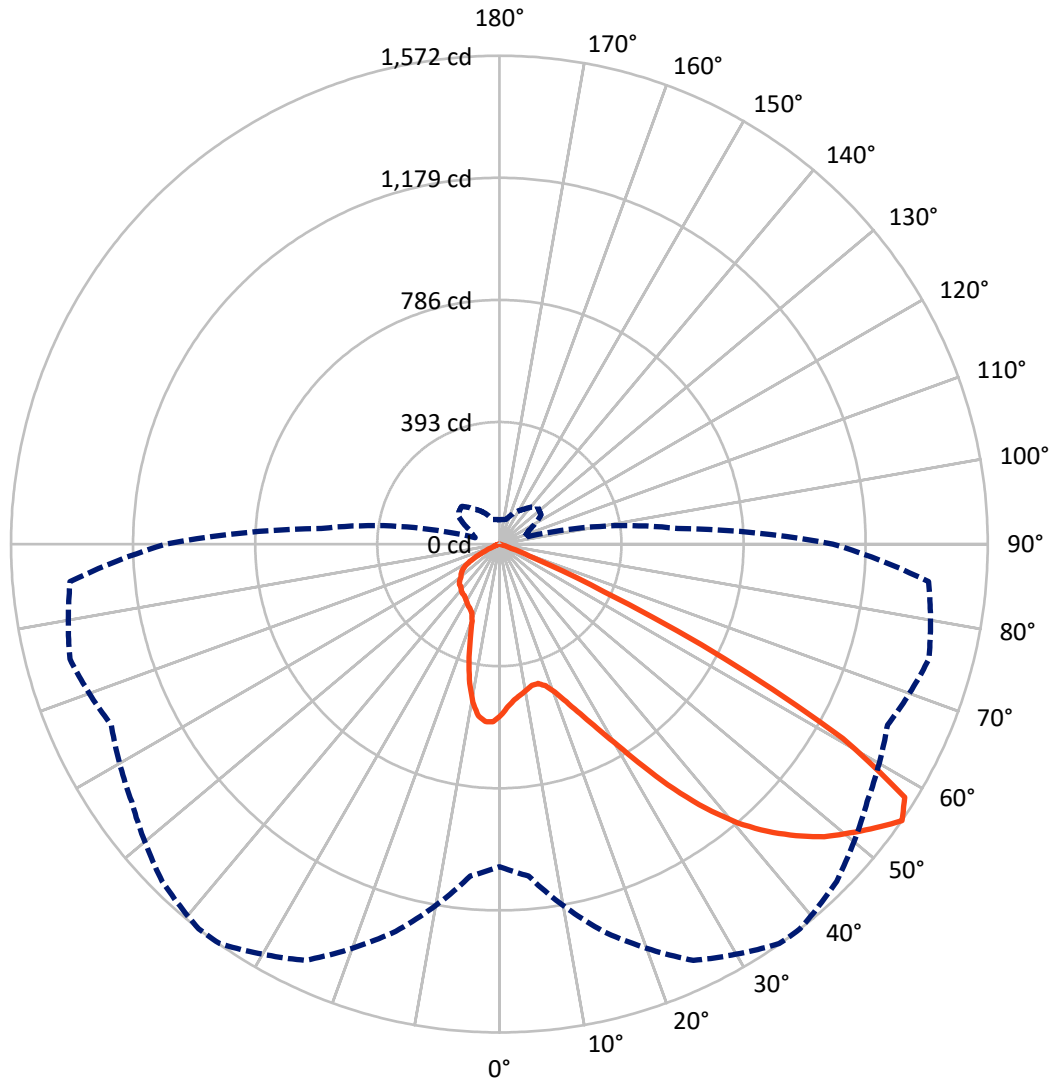
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	448.0	0.0	448.0
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	1851.4	0.0	1851.4
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	2299.4	0.0	2299.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.0	2.2
10°-20°	137.3	6.0
20°-30°	235.5	10.2
30°-40°	390.7	17.0
40°-50°	574.3	25.0
50°-60°	671.1	29.2
60°-70°	227.5	9.9
70°-80°	11.6	0.5
80°-90°	0.5	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°	2299.4	100.0
0°-180°	2299.4	100.0

**Coefficient of Utilization**



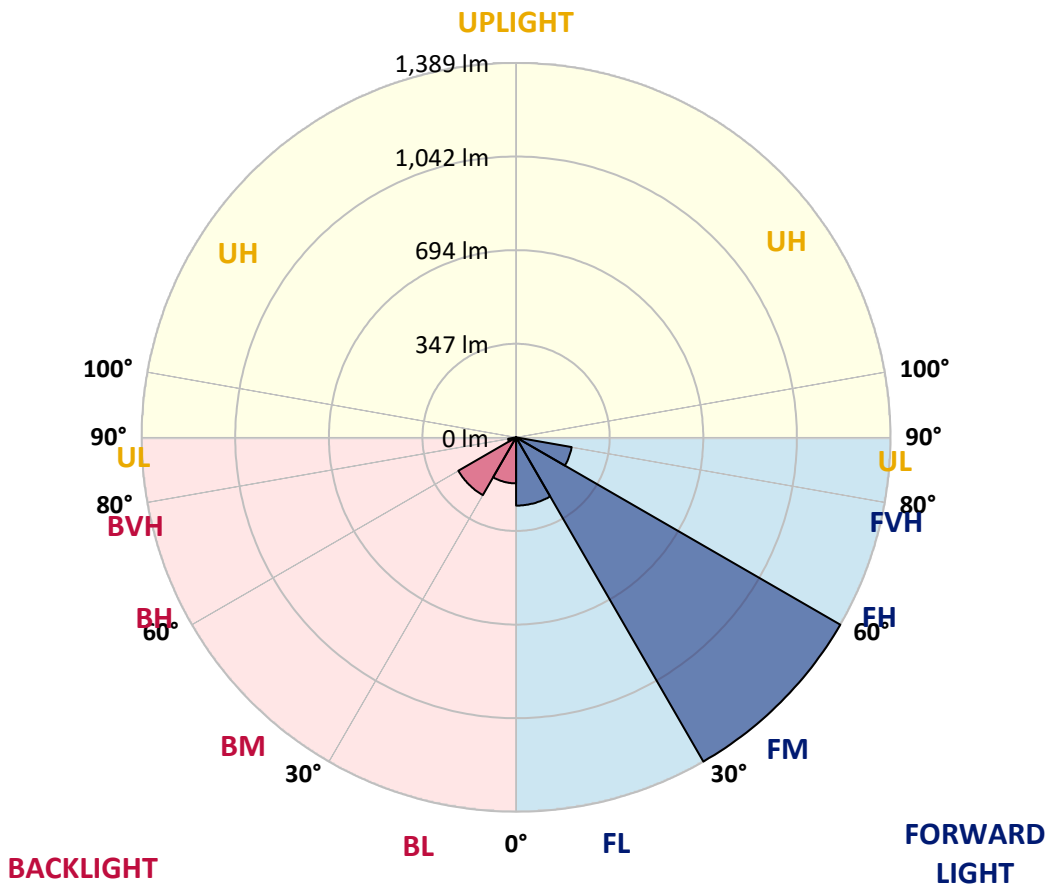
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.1	11.0			
FM (30°-60°)	1388.8	60.4			
FH (60°-80°)	209.3	9.1			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	170.7	7.4	B1/500		
BM (30°-60°)	247.3	10.8	B1/1000		
BH (60°-80°)	29.8	1.3	B0/110		G0/110
BVH (80°-90°)	0.2	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°	38°	45°	55°	65°	75°	85°
0°	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4
2.5°	513.6	512.5	514.6	518.8	522.8	524.1	528.0	533.5	537.0	545.1	551.7
5°	490.4	489.9	492.0	495.7	501.0	502.8	508.8	518.0	527.2	541.4	555.4
7.5°	469.4	469.1	472.3	480.5	488.1	490.4	497.8	509.1	521.5	543.3	563.8
10°	441.8	442.1	448.1	459.7	473.6	478.3	490.2	506.5	522.5	550.6	579.0
12.5°	432.9	433.4	436.6	445.5	460.7	466.8	483.3	508.0	528.5	561.1	598.7
15°	454.7	454.7	452.1	453.1	459.9	465.5	482.8	513.3	538.8	573.8	618.2
17.5°	497.0	495.4	488.9	479.9	477.6	479.4	493.3	524.6	553.3	588.5	640.2
20°	554.3	554.8	542.0	523.3	508.3	508.0	516.5	544.6	574.0	606.1	664.2
22.5°	623.7	621.6	604.5	579.0	553.0	550.9	554.3	575.1	604.0	633.9	693.6
25°	704.1	703.1	678.9	644.7	610.3	605.3	605.3	625.8	646.8	673.6	728.8
27.5°	788.2	788.2	764.8	725.4	679.7	670.7	669.4	693.6	707.5	712.8	758.5
30°	874.7	873.6	850.5	810.0	761.2	752.0	748.3	766.1	776.1	760.4	795.6
32.5°	962.5	964.3	940.9	903.3	859.7	853.7	842.4	842.4	850.5	828.4	853.9
35°	1056.8	1056.3	1037.9	1012.4	975.1	968.3	949.6	920.4	932.8	923.1	934.6
37.5°	1140.1	1144.1	1135.2	1116.2	1086.0	1079.2	1048.4	995.6	1005.1	1020.3	1030.5
40°	1224.8	1227.9	1236.9	1230.8	1192.7	1180.1	1125.4	1038.7	1049.2	1101.5	1131.0
42.5°	1307.8	1309.4	1327.5	1337.5	1286.5	1264.5	1183.8	1065.0	1076.0	1165.1	1216.6
45°	1360.7	1364.1	1394.0	1424.5	1369.3	1339.1	1234.5	1098.6	1103.4	1209.3	1280.0
47.5°	1358.6	1366.4	1422.7	1478.1	1440.6	1408.0	1295.5	1152.5	1144.6	1250.8	1321.8
50°	1316.2	1325.7	1406.4	1494.4	1491.8	1461.6	1363.3	1230.6	1205.9	1287.6	1327.0
52.5°	1228.5	1255.8	1377.7	1496.5	1533.1	1517.8	1447.1	1335.7	1288.6	1340.4	1335.4
55°	1038.7	1072.3	1290.7	1478.7	1570.4	1572.2	1535.2	1445.3	1378.5	1431.4	1387.2
57.5°	788.5	815.3	993.5	1316.2	1508.6	1538.9	1569.3	1503.1	1434.0	1493.4	1399.3
60°	475.2	506.2	622.1	965.9	1218.5	1270.0	1389.6	1376.7	1293.4	1318.9	1147.5
62.5°	192.7	208.9	287.3	532.2	766.9	815.0	929.6	949.1	928.6	902.6	696.0
65°	70.4	77.0	115.1	220.0	352.7	370.3	430.8	465.2	493.6	420.3	258.9
67.5°	43.6	47.8	74.9	113.0	128.3	119.3	121.4	144.8	138.2	85.4	46.3
70°	32.3	35.7	58.6	78.3	51.8	39.9	27.1	28.9	26.0	22.9	22.6
72.5°	22.3	25.5	43.9	46.3	20.0	14.2	10.0	13.9	15.8	15.5	16.0
75°	14.7	17.1	27.6	18.1	5.0	3.9	3.4	7.4	9.5	9.5	9.7
77.5°	8.7	10.0	9.7	3.7	1.1	1.1	0.8	1.3	2.1	2.4	2.9
80°	1.1	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
82.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
85°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	0.8
87.5°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	0.8
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°	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4	551.4
2.5°	556.7	554.8	562.5	568.0	572.4	574.5	571.7	571.4	571.4	565.6	564.0
5°	563.2	564.0	574.8	579.5	580.3	577.7	571.1	566.7	564.0	558.0	554.6
7.5°	575.9	578.5	588.7	587.9	580.9	568.8	551.4	538.0	529.3	519.9	514.1
10°	594.0	599.0	605.3	594.3	571.7	540.9	505.2	479.7	464.4	453.6	447.1
12.5°	616.1	621.1	619.0	592.9	545.9	491.0	445.0	408.2	390.6	380.8	374.0
15°	638.4	641.6	627.9	577.2	500.4	426.6	375.3	338.8	317.2	309.3	303.6
17.5°	661.3	660.5	629.5	546.2	439.7	354.0	303.6	278.6	272.6	271.2	270.7
20°	685.2	678.1	623.2	501.7	366.6	282.3	253.6	255.2	266.2	271.5	272.6
22.5°	712.5	694.7	607.4	441.6	292.0	235.2	238.1	253.6	268.6	275.7	276.8
25°	741.7	709.9	581.1	364.3	230.2	216.3	233.4	251.3	267.3	276.0	277.0
27.5°	760.9	713.6	538.0	286.5	197.6	208.9	227.1	244.2	260.7	270.2	271.5
30°	781.7	712.0	479.4	220.8	186.6	202.6	218.4	233.9	249.2	259.7	260.7
32.5°	812.1	711.0	407.9	179.2	182.1	197.6	209.2	222.1	232.6	238.6	237.9
35°	852.1	709.6	324.6	161.6	179.5	193.7	202.9	208.9	197.4	193.7	194.5
37.5°	903.3	712.8	254.4	154.3	178.7	192.7	200.5	183.2	165.3	158.5	157.4
40°	960.1	720.9	194.0	151.4	181.4	195.3	191.6	163.0	140.9	127.5	124.6
42.5°	1017.1	729.9	153.5	150.3	185.8	202.6	176.9	148.2	115.1	107.5	106.4
45°	1059.5	728.3	132.7	148.5	189.8	206.8	172.9	127.2	102.8	99.3	99.6
47.5°	1080.7	711.0	121.4	144.3	191.3	202.6	163.2	118.5	94.4	98.0	101.2
50°	1069.4	666.0	110.9	136.1	187.9	197.1	147.7	112.0	90.2	105.4	112.5
52.5°	1055.8	610.8	99.3	123.5	179.8	189.5	141.7	110.1	87.5	101.7	107.0
55°	1073.9	575.9	80.4	104.1	163.7	171.6	136.9	109.9	81.5	79.1	78.3
57.5°	1048.4	506.2	57.6	74.9	125.6	135.9	133.5	108.0	72.3	72.0	73.1
60°	810.3	308.8	39.4	47.6	77.0	86.7	121.2	103.3	62.3	57.3	57.6
62.5°	460.5	131.4	27.1	29.4	39.4	46.8	92.5	93.8	57.6	54.7	57.6
65°	160.3	47.0	21.0	19.7	21.8	25.0	53.1	72.5	52.3	47.3	47.8
67.5°	33.1	23.4	18.7	16.3	16.3	16.3	27.1	45.2	43.1	37.6	38.1
70°	21.0	20.0	16.3	13.9	13.4	12.4	15.5	25.0	29.7	27.3	27.6
72.5°	15.5	15.2	12.9	11.3	10.0	8.9	9.7	12.4	15.2	15.8	16.0
75°	9.5	9.7	8.4	7.1	6.3	5.5	5.8	5.8	5.8	5.3	5.8
77.5°	2.9	3.2	2.6	2.1	1.8	1.8	1.8	1.6	1.3	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	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)