

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: P629429

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629429  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
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-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

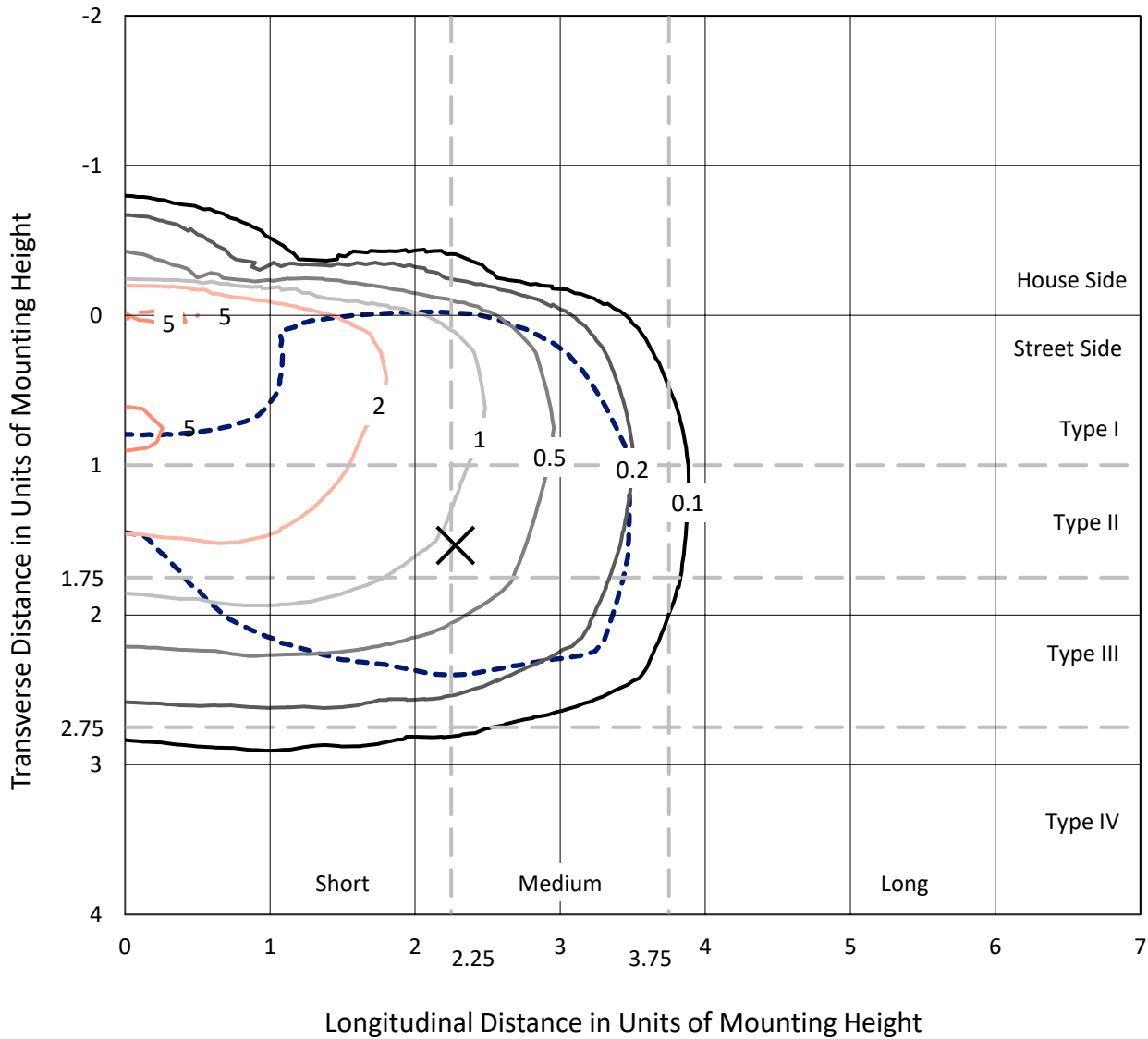
Lumens per Lamp: N/A  
Luminaire Lumens: 2869.9 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

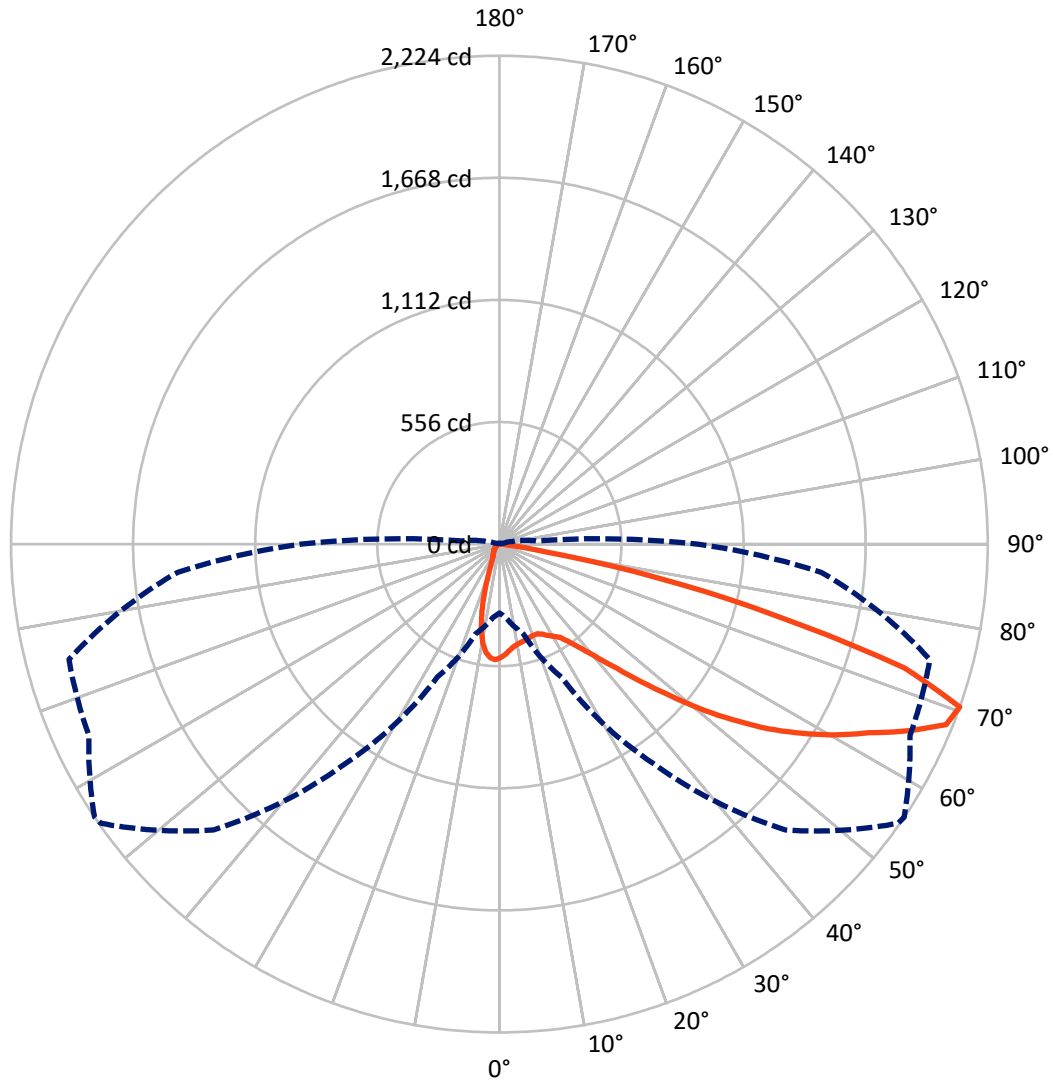
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	257.8	0.0	257.8
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	2612.1	0.0	2612.1
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	2869.9	0.0	2869.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	1.5
10°-20°	99.9	3.5
20°-30°	158.3	5.5
30°-40°	273.0	9.5
40°-50°	460.9	16.1
50°-60°	677.3	23.6
60°-70°	802.9	28.0
70°-80°	342.4	11.9
80°-90°	10.8	0.4
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°	2869.9	100.0
0°-180°	2869.9	100.0

**Coefficient of Utilization**



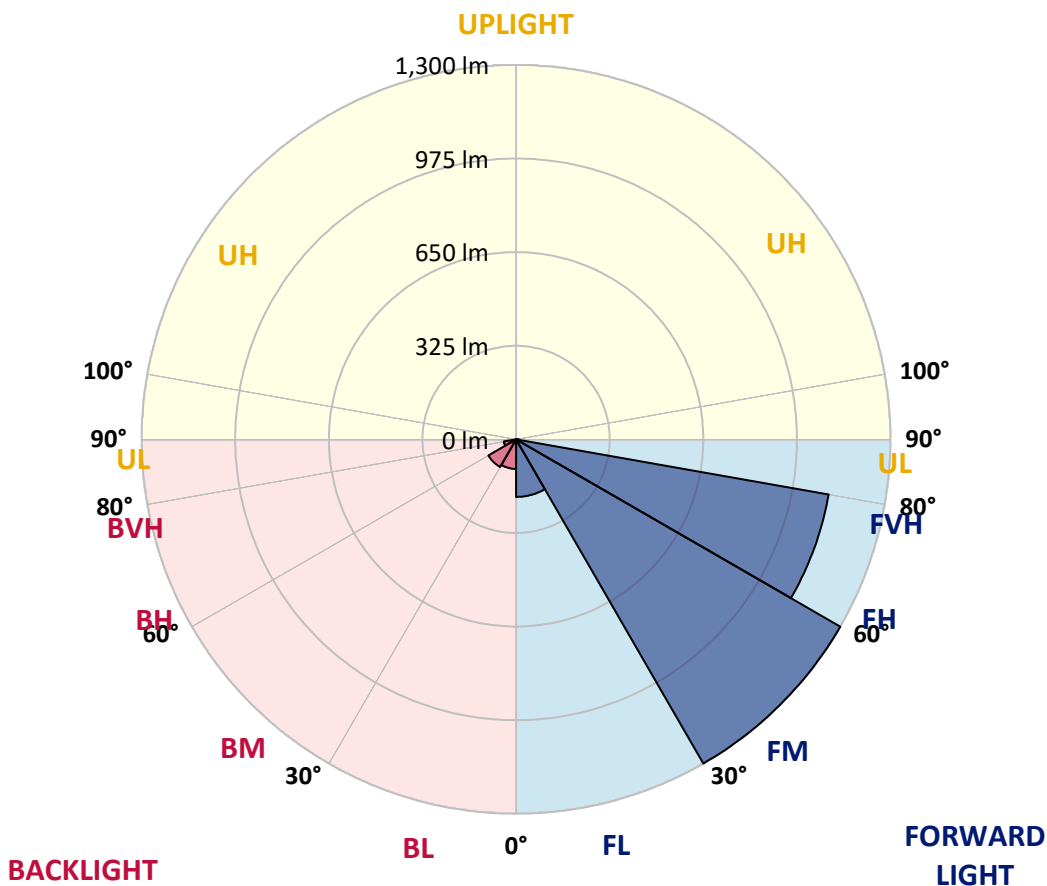
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.0	7.0			
FM (30°-60°)	1300.1	45.3			
FH (60°-80°)	1102.3	38.4			G1/1800
FVH (80°-90°)	9.7	0.3			G0/10
BL (0°-30°)	102.7	3.6	B0/110		
BM (30°-60°)	111.0	3.9	B0/220		
BH (60°-80°)	43.0	1.5	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	517.5	517.5	517.5	517.5	517.5	517.5	517.5	517.5	517.5	517.5	517.5
2.5°	481.7	480.9	481.5	485.4	492.8	496.2	502.0	503.0	507.7	513.8	516.2
5°	450.5	447.8	449.1	454.7	463.1	472.5	483.3	486.2	498.0	511.4	521.4
7.5°	421.8	418.9	422.1	430.7	442.6	452.8	468.9	470.7	489.6	513.3	531.4
10°	376.9	377.7	384.0	399.2	417.3	438.6	460.2	462.8	486.2	519.3	547.4
12.5°	342.4	340.6	347.4	364.8	390.3	421.3	453.6	457.0	486.5	528.5	567.9
15°	326.4	325.9	328.8	341.4	366.1	402.6	447.6	452.0	489.9	536.9	587.4
17.5°	326.9	326.1	325.9	333.2	351.6	388.7	441.0	446.8	492.8	546.1	607.9
20°	349.8	346.1	339.5	336.1	347.2	379.8	436.5	443.1	497.0	555.8	629.7
22.5°	397.6	398.9	381.3	362.9	357.7	380.8	436.0	443.6	506.2	571.1	656.5
25°	493.3	491.2	458.6	417.3	388.7	392.9	445.2	454.4	524.3	592.9	681.7
27.5°	613.1	615.0	570.3	504.6	444.7	417.9	462.0	471.2	545.3	606.6	698.5
30°	743.8	741.9	694.1	621.3	524.0	459.4	478.8	487.0	555.8	613.9	715.9
32.5°	867.3	863.1	815.8	739.5	625.2	524.8	502.0	506.7	569.8	630.0	739.3
35°	972.7	972.4	931.1	849.9	729.3	606.8	541.7	545.6	595.8	655.4	773.7
37.5°	1081.5	1077.8	1031.5	957.4	836.3	696.7	602.4	600.8	636.8	693.0	816.0
40°	1170.8	1168.5	1133.0	1061.8	947.4	796.0	675.9	671.2	685.4	745.1	874.9
42.5°	1237.0	1237.3	1226.3	1182.9	1065.2	910.9	768.5	761.1	760.8	823.6	952.7
45°	1287.2	1290.7	1307.2	1300.6	1204.2	1044.7	887.0	879.4	866.5	925.6	1041.8
47.5°	1310.6	1315.1	1365.0	1391.3	1325.9	1177.4	1028.1	1012.1	986.8	1061.2	1141.4
50°	1308.3	1316.1	1385.8	1465.7	1436.3	1311.9	1181.9	1174.2	1133.0	1204.7	1239.9
52.5°	1254.7	1271.5	1387.1	1510.9	1521.1	1436.0	1340.9	1326.7	1306.7	1354.5	1332.4
55°	1109.1	1129.6	1331.7	1525.3	1587.4	1544.3	1496.4	1484.9	1451.8	1495.9	1413.1
57.5°	1030.0	1047.6	1215.0	1518.3	1643.6	1644.4	1634.9	1625.5	1598.1	1635.7	1507.7
60°	982.4	1000.0	1152.7	1492.2	1694.6	1750.0	1765.0	1764.0	1724.6	1794.7	1618.6
62.5°	912.7	936.9	1087.8	1424.7	1730.9	1854.1	1899.3	1892.2	1848.3	1960.3	1728.5
65°	772.1	793.2	954.8	1313.3	1709.6	1940.3	2044.9	2048.6	1997.9	2116.1	1815.2
67.5°	541.4	556.9	717.5	1079.4	1565.0	1968.7	2193.9	2193.7	2107.2	2196.0	1776.9
70°	313.8	335.1	423.9	667.3	1217.6	1839.7	2216.3	2223.9	2062.8	2029.2	1470.4
72.5°	121.4	139.0	240.2	354.5	634.9	1409.2	1906.4	1928.8	1726.4	1565.3	1023.4
75°	36.3	40.5	113.0	188.7	254.9	680.7	1290.7	1297.0	1184.2	976.3	524.6
77.5°	27.1	30.0	49.4	95.4	89.4	206.3	667.8	729.3	628.6	348.7	144.5
80°	18.4	21.8	35.2	46.5	33.1	54.9	187.6	206.0	191.9	78.3	36.3
82.5°	8.1	10.5	25.0	23.4	12.1	15.8	57.8	61.5	39.7	23.7	12.6
85°	0.8	1.1	9.5	10.2	4.5	3.7	12.1	12.1	8.7	8.1	5.3
87.5°	0.0	0.0	0.3	0.5	0.5	0.8	1.1	1.3	1.6	2.1	2.6
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°	517.5	517.5	517.5	517.5	517.5	517.5	517.5	517.5	517.5	517.5	517.5
2.5°	522.2	519.0	523.0	526.1	526.9	521.2	517.7	512.7	511.7	512.0	510.6
5°	529.3	527.7	530.6	527.2	518.3	501.4	487.0	471.0	462.3	457.3	456.8
7.5°	542.4	541.7	538.5	523.0	495.1	457.8	421.8	386.6	364.8	356.9	355.6
10°	561.9	560.3	547.4	510.6	451.2	379.5	319.1	268.6	237.8	228.9	217.9
12.5°	584.2	581.1	553.0	484.1	385.0	285.7	210.2	153.7	127.2	119.3	119.3
15°	605.8	598.9	549.8	440.2	303.5	185.8	117.5	88.8	80.7	78.6	78.6
17.5°	627.9	614.7	537.4	380.3	209.7	109.9	78.3	72.8	71.7	72.0	72.3
20°	648.6	628.1	515.6	308.3	133.8	76.7	70.2	68.9	68.3	68.9	68.6
22.5°	671.2	640.5	482.5	229.7	87.0	69.1	66.8	65.7	65.2	66.0	66.0
25°	693.6	649.4	438.6	154.5	69.1	64.4	63.1	62.0	61.5	61.8	61.8
27.5°	705.1	646.0	381.1	98.6	62.0	59.7	58.3	57.0	56.2	56.0	56.2
30°	713.0	635.5	310.6	70.2	56.2	53.4	52.0	51.0	48.9	47.6	48.1
32.5°	725.4	625.0	234.2	58.9	51.5	47.0	44.9	42.3	39.4	38.1	38.1
35°	740.1	610.5	164.3	53.1	46.5	41.8	37.8	33.4	30.0	28.9	28.9
37.5°	759.5	596.8	109.3	49.1	42.3	37.3	31.8	26.5	22.9	22.3	22.1
40°	788.7	585.3	77.0	46.3	38.6	32.6	26.0	20.5	17.9	17.1	17.1
42.5°	826.5	573.5	61.0	43.4	35.5	28.1	20.8	16.3	14.2	13.7	13.4
45°	873.3	559.5	53.1	40.7	32.3	23.4	16.6	13.7	12.1	11.6	11.6
47.5°	924.0	540.6	49.4	37.3	28.6	18.9	13.9	11.8	11.0	10.8	10.5
50°	974.0	515.1	46.3	34.2	24.4	15.5	12.1	10.8	10.2	10.0	10.0
52.5°	1017.6	485.4	42.3	30.5	20.0	13.4	10.8	10.0	9.5	8.9	8.7
55°	1054.9	453.1	37.3	26.3	16.3	11.8	10.0	9.2	8.7	8.1	7.9
57.5°	1103.0	434.7	30.0	21.3	13.4	10.5	9.2	8.4	7.9	7.1	7.1
60°	1156.4	421.3	22.3	16.8	11.6	9.7	8.4	7.6	7.1	6.3	6.3
62.5°	1199.2	401.3	17.6	13.7	10.0	8.7	7.6	6.8	6.3	5.5	5.5
65°	1215.5	360.0	14.5	10.8	8.1	7.6	6.8	6.3	5.5	4.7	4.7
67.5°	1141.9	277.5	12.1	8.7	6.8	6.6	6.0	5.8	4.7	4.2	3.9
70°	904.3	169.2	10.0	7.1	5.8	5.5	5.5	5.0	4.2	3.9	3.7
72.5°	619.7	87.3	8.1	5.8	5.0	5.0	4.7	4.5	3.9	3.7	3.7
75°	321.9	29.2	6.3	4.5	3.9	4.2	4.2	3.9	3.7	3.7	3.4
77.5°	92.2	13.1	4.7	3.4	3.2	3.2	3.4	3.4	3.4	3.2	3.2
80°	23.9	7.6	3.4	2.6	2.6	2.6	2.6	2.9	3.2	2.9	2.9
82.5°	9.7	4.2	2.4	2.1	2.1	2.1	2.1	2.4	2.6	2.6	2.6
85°	6.0	2.1	1.8	1.8	1.8	1.6	1.6	1.8	1.8	2.1	2.1
87.5°	3.7	1.6	1.6	1.6	1.6	1.3	1.3	1.3	1.3	1.3	1.3
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)