

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: P629153

Luminaire Tested: GWS-SA1B-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629153  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-722-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2314.6 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

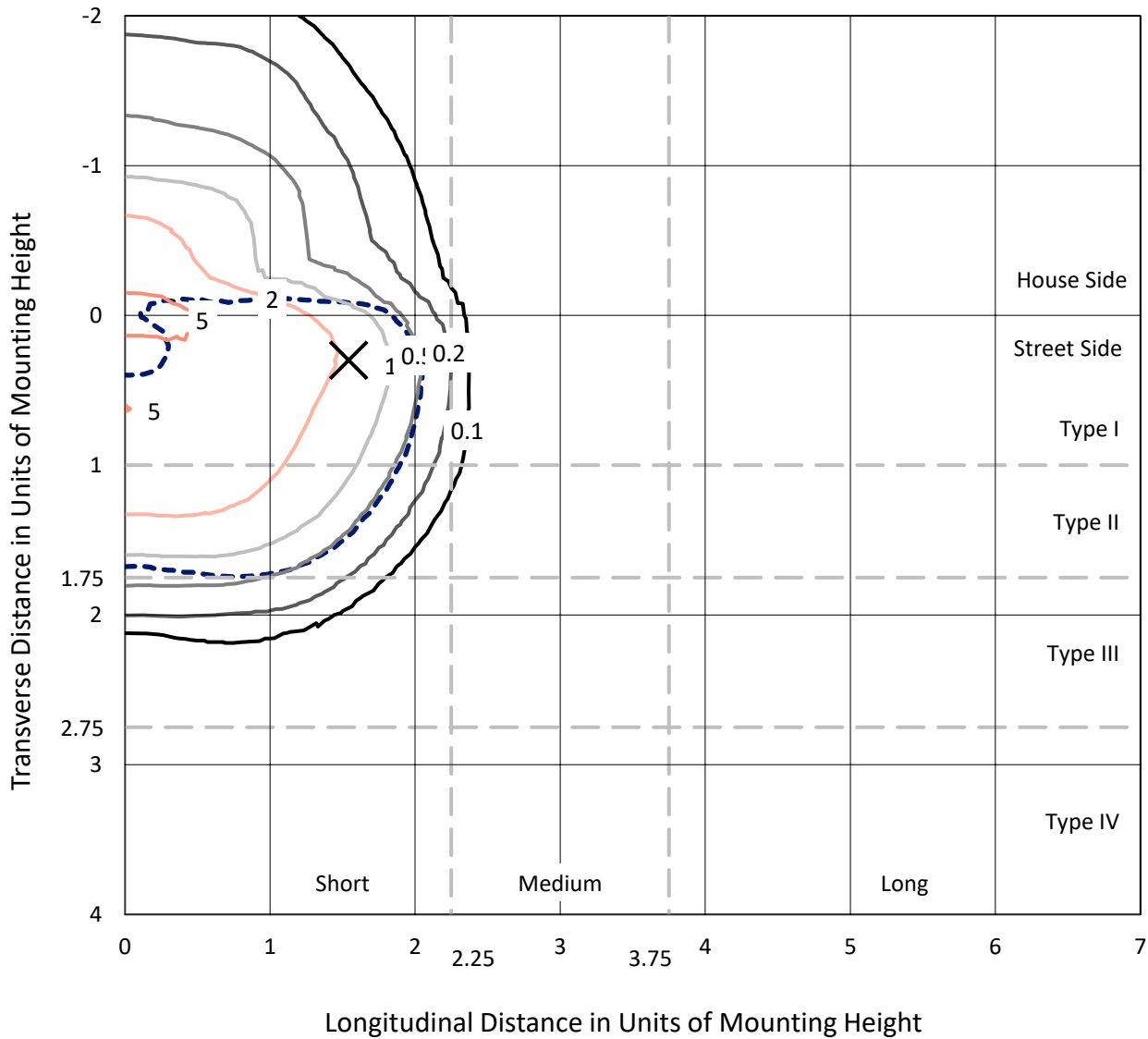
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P629153  
 CATALOG NUMBER: GWS-SA1B-722-U-T3R-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

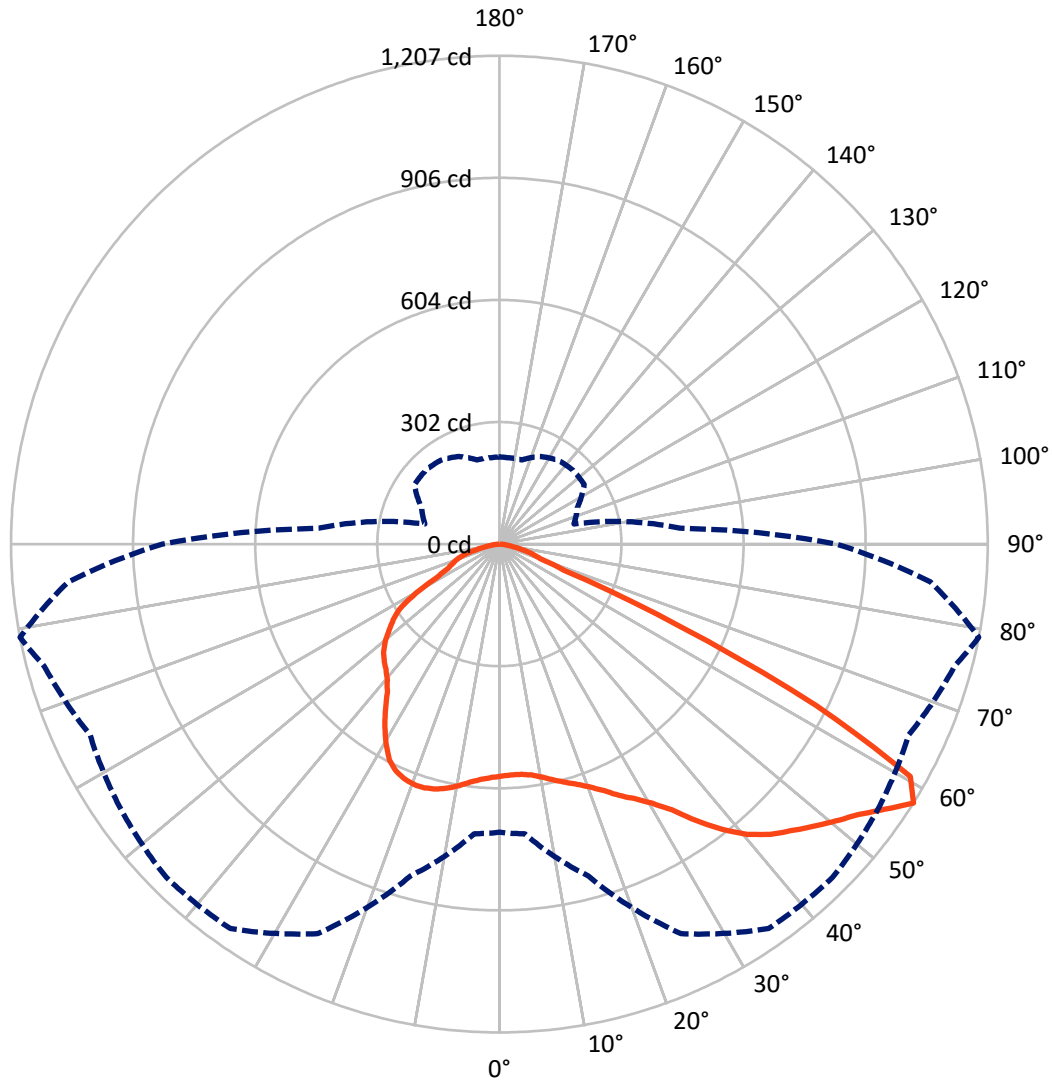
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P629153  
CATALOG NUMBER: GWS-SA1B-722-U-T3R-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629153

CATALOG NUMBER: GWS-SA1B-722-U-T3R-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	688.0	0.0	688.0
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	1626.6	0.0	1626.6
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	2314.6	0.0	2314.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.1	2.3
10°-20°	147.6	6.4
20°-30°	250.2	10.8
30°-40°	383.0	16.5
40°-50°	510.7	22.1
50°-60°	589.8	25.5
60°-70°	306.5	13.2
70°-80°	65.1	2.8
80°-90°	8.4	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°	2314.6	100.0
0°-180°	2314.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629153

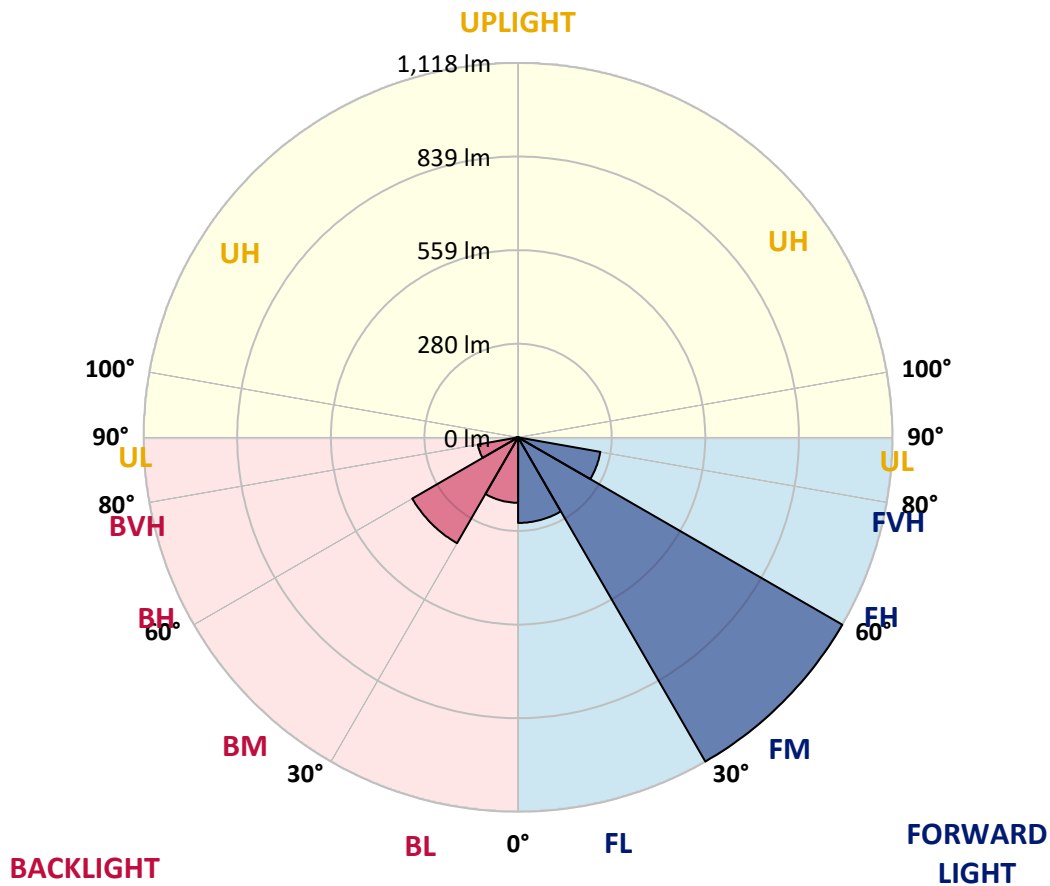
CATALOG NUMBER: GWS-SA1B-722-U-T3R-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.6	11.0			
FM (30°-60°)	1118.5	48.3			
FH (60°-80°)	249.6	10.8			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	195.4	8.4	B1/500		
BM (30°-60°)	365.1	15.8	B1/1000		
BH (60°-80°)	122.1	5.3	B1/500		G1/500
BVH (80°-90°)	5.5	0.2			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





REPORT NUMBER: P629153

CATALOG NUMBER: GWS-SA1B-722-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
2.5°	547.5	546.4	546.7	548.3	553.9	558.1	562.4	566.4	570.2	571.3	572.3
5°	528.0	525.9	526.5	528.9	535.6	542.6	550.3	559.8	568.9	571.9	575.9
7.5°	514.2	513.8	514.8	518.5	525.5	532.2	542.2	555.6	571.3	576.5	583.5
10°	495.8	495.1	498.9	506.6	518.2	528.8	540.7	556.6	578.5	586.1	596.9
12.5°	481.3	480.9	484.9	495.6	510.4	527.2	543.7	561.5	588.2	598.6	611.8
15°	489.8	488.1	488.3	495.8	509.1	528.9	551.3	570.4	597.8	611.1	628.1
17.5°	514.6	511.5	509.3	510.6	518.2	538.8	562.8	582.3	609.0	624.5	645.3
20°	548.8	547.1	540.9	536.7	538.4	556.6	581.0	599.2	623.6	641.0	663.3
22.5°	594.8	590.6	582.1	575.5	570.4	584.6	607.1	622.8	643.8	662.0	685.3
25°	651.8	645.7	632.3	621.9	610.9	625.5	645.5	657.4	671.6	688.5	710.6
27.5°	709.9	704.8	689.8	675.8	662.2	671.3	695.1	701.9	700.4	712.7	731.6
30°	771.8	765.3	751.1	736.0	718.4	724.3	745.6	749.0	733.0	743.2	756.0
32.5°	837.0	830.8	818.5	800.9	781.0	783.3	789.2	792.4	777.1	782.9	792.8
35°	903.5	897.6	885.1	867.7	853.1	839.3	824.6	837.4	828.5	839.9	839.1
37.5°	964.2	958.4	950.6	937.2	912.2	884.9	850.9	866.8	880.6	895.0	892.5
40°	1005.3	1001.3	1003.2	1001.1	969.0	915.0	863.7	881.1	918.8	943.4	942.1
42.5°	1040.7	1036.7	1047.7	1055.6	1017.8	942.8	870.0	886.6	943.2	981.6	979.7
45°	1056.4	1055.2	1073.4	1098.6	1062.4	972.4	886.1	898.0	961.8	1011.0	1003.8
47.5°	1037.6	1041.6	1077.4	1120.0	1099.5	1007.4	919.0	922.0	986.0	1042.8	1022.5
50°	1000.4	1009.1	1057.3	1120.5	1126.6	1046.9	964.6	957.0	1018.5	1076.6	1032.3
52.5°	946.1	955.1	1033.9	1116.2	1142.1	1092.7	1025.3	1014.6	1059.6	1110.5	1034.1
55°	821.3	833.6	980.1	1106.3	1157.3	1134.4	1093.9	1071.9	1112.6	1157.1	1050.9
57.5°	712.5	719.0	849.2	1062.6	1160.3	1165.0	1142.7	1116.6	1165.2	1207.4	1069.8
60°	522.9	524.4	641.6	879.2	1067.4	1147.2	1138.7	1099.9	1140.2	1167.1	983.1
62.5°	295.4	295.6	389.1	586.9	797.3	935.1	940.4	906.1	872.2	880.2	684.3
65°	110.9	121.3	177.7	288.4	459.7	552.0	574.0	581.9	525.5	490.5	367.0
67.5°	74.2	76.6	103.7	148.4	204.6	236.2	264.2	264.9	193.8	172.8	144.6
70°	56.6	59.0	81.6	106.2	103.7	95.8	103.5	100.7	104.1	106.9	110.0
72.5°	42.2	44.7	63.2	74.9	62.3	61.3	69.5	77.2	84.4	87.4	92.2
75°	28.0	29.9	42.6	40.1	34.4	40.7	50.7	58.5	62.6	66.2	69.8
77.5°	17.8	19.1	22.7	18.4	19.1	23.8	29.5	36.5	40.5	44.1	46.0
80°	8.1	7.9	7.8	8.7	10.8	14.0	17.8	22.0	25.0	26.5	27.6
82.5°	3.2	3.6	4.0	4.7	5.9	7.6	10.0	12.9	15.3	15.7	16.7
85°	1.3	1.5	1.7	2.1	2.6	3.4	4.2	5.9	7.4	7.9	8.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.9	1.7	1.9	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629153

CATALOG NUMBER: GWS-SA1B-722-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
2.5°	577.4	574.9	579.1	581.9	584.6	581.7	580.8	578.3	578.0	578.0	579.3
5°	582.7	581.0	585.3	587.0	586.9	580.6	576.8	571.9	569.4	569.4	569.8
7.5°	592.2	591.2	593.7	591.0	585.0	572.3	559.8	549.4	542.4	538.8	539.9
10°	607.9	606.7	604.6	594.8	577.4	551.1	525.5	506.6	495.3	488.8	489.2
12.5°	623.2	621.3	613.9	592.2	556.4	514.6	481.1	459.9	447.4	439.8	438.1
15°	640.0	635.1	619.2	578.5	522.1	469.9	434.9	412.0	398.6	394.0	393.8
17.5°	656.1	647.4	618.7	554.3	481.1	423.2	388.0	373.8	371.5	373.6	374.1
20°	672.4	658.4	612.4	520.8	432.2	376.6	358.4	364.3	372.8	378.5	379.8
22.5°	689.2	667.5	598.2	477.7	380.8	345.2	352.8	365.6	376.2	383.8	384.6
25°	708.2	676.0	577.0	424.9	339.5	336.5	351.4	365.1	376.4	385.1	386.6
27.5°	719.0	676.2	547.3	370.5	320.6	333.1	348.2	361.1	372.4	381.9	383.6
30°	729.6	671.1	500.2	326.5	315.1	329.1	342.7	354.7	365.4	374.7	376.8
32.5°	744.5	666.3	445.9	301.1	311.9	325.3	336.5	347.1	355.4	359.6	360.7
35°	763.0	660.3	388.1	290.1	309.8	322.3	332.1	337.8	327.0	324.7	327.2
37.5°	789.0	654.6	330.6	285.4	308.5	321.2	329.9	315.3	302.0	296.7	298.6
40°	817.0	651.4	291.6	281.6	309.0	322.3	320.4	298.8	279.7	268.5	268.2
42.5°	840.8	646.5	266.7	279.1	310.6	326.6	307.5	284.3	255.9	249.2	249.4
45°	856.9	634.0	253.4	276.5	311.9	327.6	301.5	264.2	243.9	239.8	239.6
47.5°	863.5	611.3	244.9	272.3	311.7	319.8	289.2	255.9	235.6	234.5	235.2
50°	859.2	574.0	236.2	264.2	307.1	311.7	275.0	248.5	229.9	236.2	240.7
52.5°	843.1	525.7	225.8	253.0	299.0	302.4	267.8	243.9	225.8	234.1	237.7
55°	838.9	486.6	212.5	238.5	286.9	286.0	260.2	241.7	222.9	219.7	220.3
57.5°	833.4	448.3	190.6	212.3	256.2	257.8	253.0	239.0	215.6	214.6	215.6
60°	724.1	343.7	169.9	183.2	210.4	218.6	244.9	234.1	203.6	199.7	199.5
62.5°	472.9	208.2	151.2	159.7	171.5	180.9	223.3	219.9	190.6	188.1	189.8
65°	254.3	148.4	137.6	142.7	149.1	156.3	185.1	195.9	172.2	163.5	163.7
67.5°	130.0	126.2	127.4	131.0	135.9	139.5	149.3	158.8	146.9	139.5	139.3
70°	111.3	114.3	116.0	118.1	121.3	120.7	121.7	123.4	122.4	118.8	118.7
72.5°	94.8	99.5	99.9	100.3	101.4	98.8	97.1	94.2	94.4	95.0	95.2
75°	72.1	76.6	77.8	77.2	78.3	74.9	72.7	69.8	66.4	65.9	66.2
77.5°	46.9	50.5	52.2	51.9	52.4	49.8	48.6	45.6	41.6	40.1	40.1
80°	28.4	30.5	31.8	32.2	32.7	30.8	29.0	26.3	24.6	22.9	22.9
82.5°	17.2	18.5	19.5	19.5	20.1	18.0	16.5	14.6	13.8	12.3	12.3
85°	8.7	9.7	10.0	9.8	9.5	7.8	7.2	6.2	5.9	5.1	5.1
87.5°	2.1	2.6	2.6	1.9	1.9	0.9	0.6	0.2	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)