

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: P629339

Luminaire Tested: GWS-SA1B-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3159.4 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

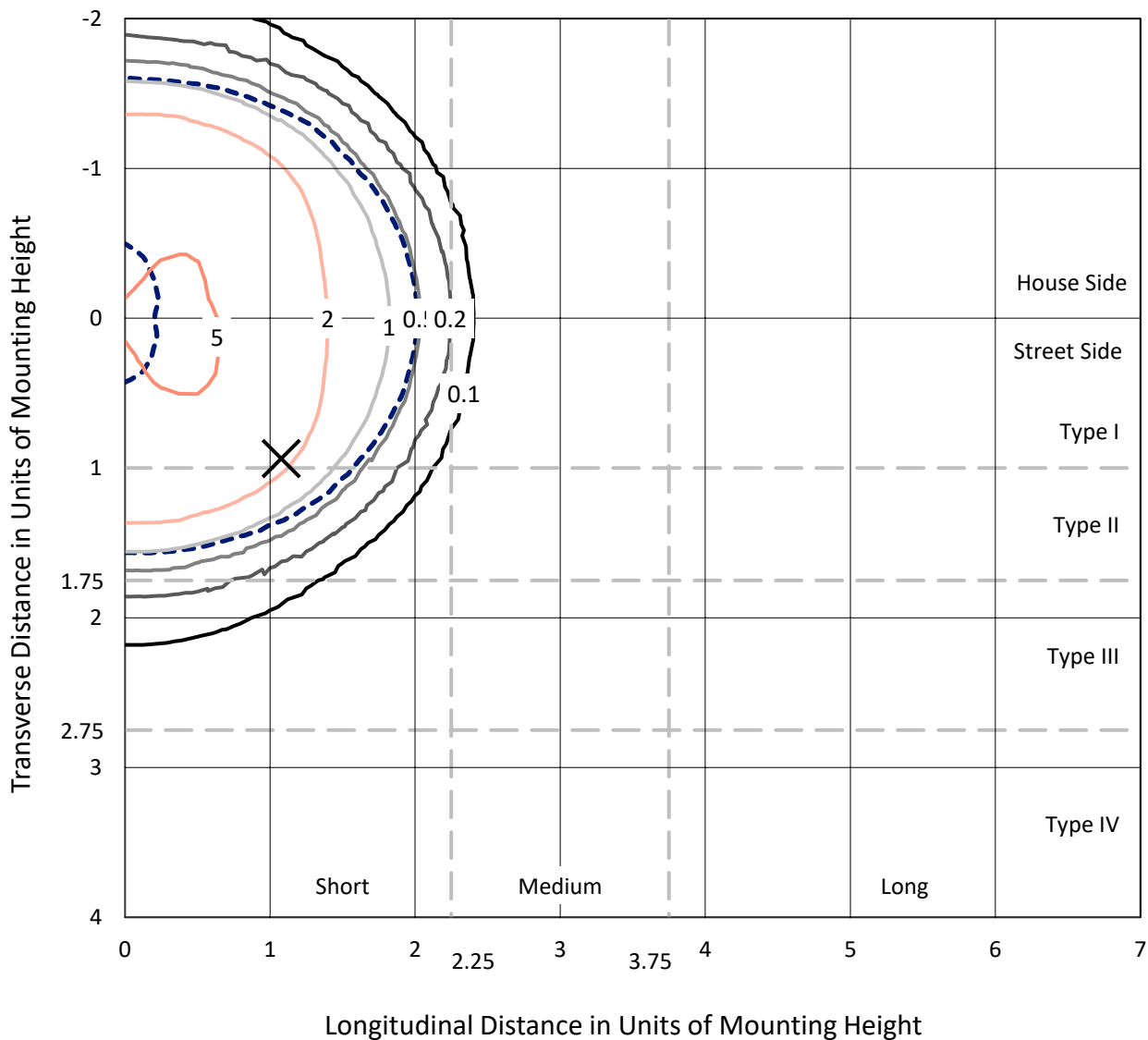
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

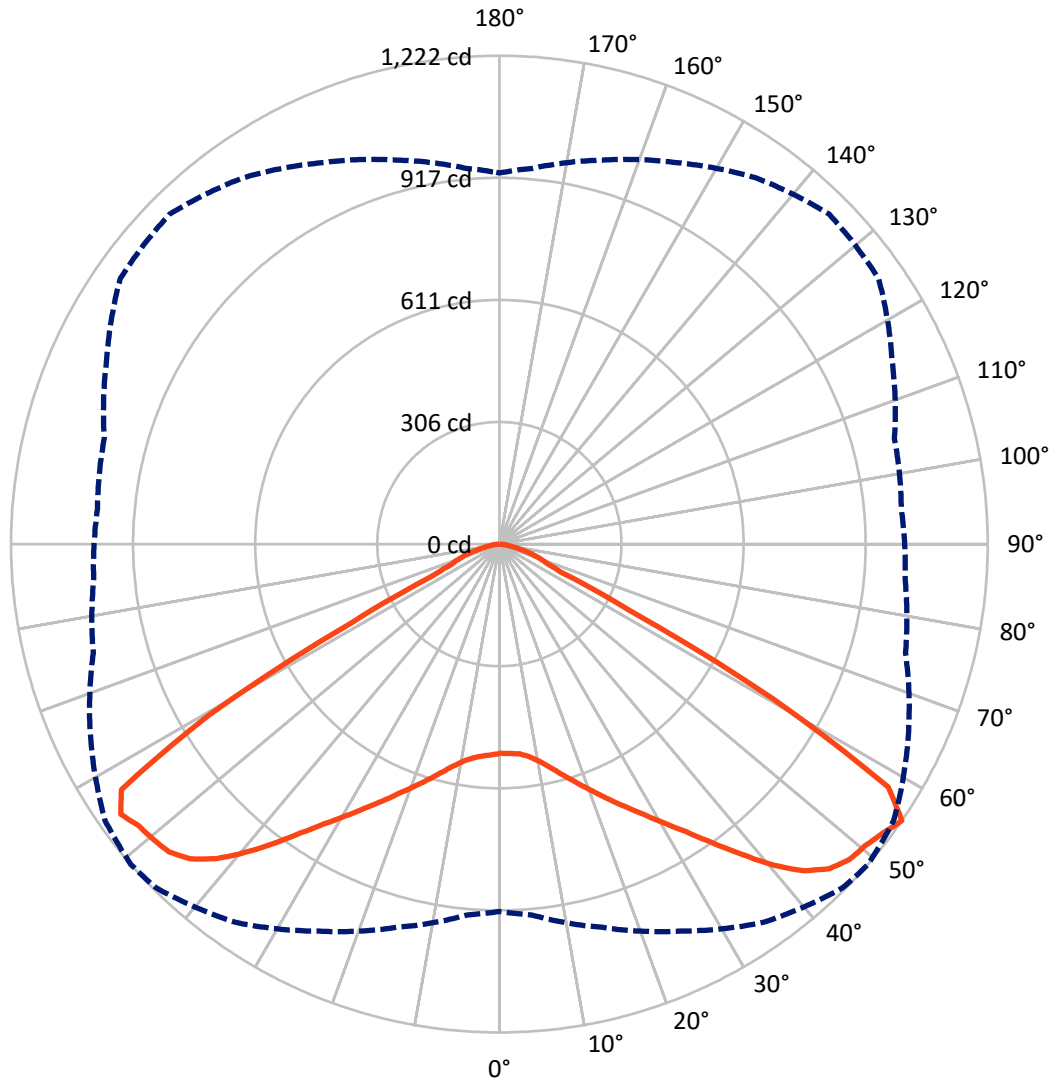
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.2	0.0	1564.2
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1595.2	0.0	1595.2
	% Fixture	50.5	0.0	50.5
Total	Lumens	3159.4	0.0	3159.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	1.6
10°-20°	168.4	5.3
20°-30°	320.8	10.2
30°-40°	543.8	17.2
40°-50°	818.3	25.9
50°-60°	895.7	28.4
60°-70°	283.2	9.0
70°-80°	68.0	2.2
80°-90°	10.2	0.3
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°	3159.4	100.0
0°-180°	3159.4	100.0

Coefficient of Utilization



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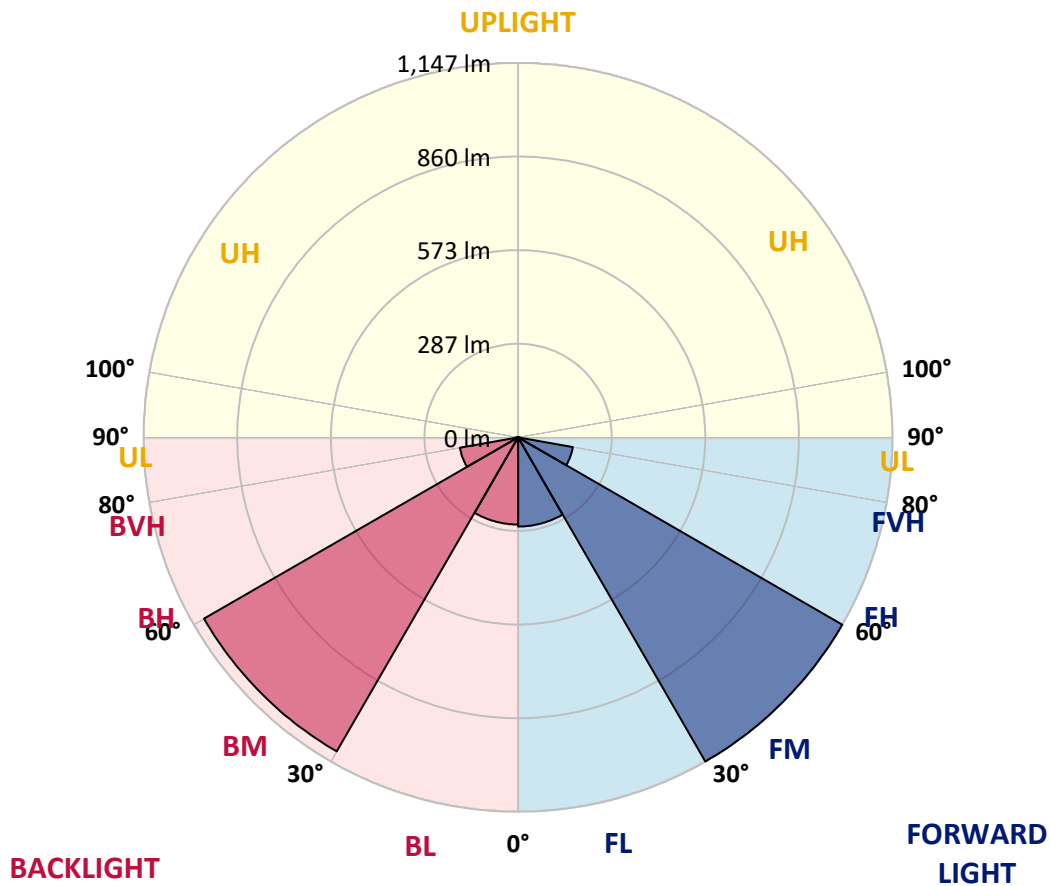
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.2	8.6			
FM (30°-60°)	1147.0	36.3			
FH (60°-80°)	170.4	5.4			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	267.1	8.5	B1/500		
BM (30°-60°)	1110.8	35.2	B2/2500		
BH (60°-80°)	180.8	5.7	B1/500		G0/660
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: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4
2.5°	515.7	516.2	517.2	519.0	520.8	523.4	524.4	525.7	525.4	527.0	527.0
5°	513.1	513.9	515.4	518.0	521.1	525.9	527.2	530.3	533.4	537.2	538.5
7.5°	516.2	517.2	519.0	523.1	527.7	534.2	536.7	541.9	547.8	554.7	557.5
10°	522.1	523.4	526.5	533.1	540.6	550.4	552.7	559.1	568.6	578.1	583.8
12.5°	528.8	530.8	536.5	547.0	558.1	570.9	574.5	582.5	592.7	605.1	612.8
15°	536.5	538.3	547.0	561.9	579.1	596.1	600.2	607.9	619.5	631.5	642.3
17.5°	552.7	555.7	566.0	583.2	603.3	623.3	627.9	636.7	645.9	655.4	665.7
20°	574.8	577.3	590.4	611.8	635.4	653.6	658.3	666.0	670.3	675.2	684.0
22.5°	596.9	600.5	615.4	640.5	668.3	688.1	691.7	698.9	695.8	694.2	699.9
25°	624.3	629.2	643.9	671.4	699.6	724.0	726.9	733.0	727.9	719.9	719.7
27.5°	658.5	662.9	678.0	706.3	734.3	759.8	765.1	773.4	762.1	752.3	745.4
30°	699.1	701.9	718.6	748.7	777.5	801.6	808.6	816.8	808.3	792.1	785.2
32.5°	746.4	750.2	769.5	801.1	826.8	851.0	857.9	868.2	858.9	840.7	832.0
35°	803.2	807.0	827.3	861.8	888.0	912.9	917.8	926.2	914.7	893.6	886.7
37.5°	864.8	869.7	895.4	928.0	955.5	984.6	984.8	987.4	971.0	944.7	937.0
40°	934.2	940.6	966.3	1000.2	1033.4	1057.0	1056.8	1049.6	1021.8	981.2	969.4
42.5°	1002.8	1008.0	1033.9	1068.8	1102.0	1124.3	1117.7	1100.2	1060.1	1004.9	989.2
45°	1052.4	1056.3	1083.5	1122.8	1156.5	1170.3	1158.3	1137.2	1083.0	1019.8	996.6
47.5°	1075.8	1080.9	1108.4	1147.5	1185.5	1193.5	1179.1	1159.3	1096.3	1033.6	1002.6
50°	1063.2	1069.9	1101.0	1137.2	1180.1	1196.5	1186.3	1166.5	1110.5	1047.3	1013.1
52.5°	1030.6	1037.0	1076.3	1120.2	1168.8	1201.4	1201.2	1185.0	1126.7	1051.1	1013.6
55°	919.1	931.6	992.8	1068.6	1154.9	1215.8	1222.0	1204.8	1129.2	1052.1	1019.0
57.5°	598.1	620.2	678.3	777.0	950.1	1105.8	1147.5	1151.6	1110.7	1047.8	1020.0
60°	249.7	267.5	313.5	379.0	522.1	707.3	788.0	868.9	966.6	1002.0	1010.5
62.5°	155.2	156.7	161.4	176.3	224.0	314.5	366.4	442.2	587.4	710.9	768.0
65°	140.0	140.8	141.8	140.8	143.1	154.2	168.0	194.5	253.6	315.0	388.0
67.5°	123.3	124.4	125.1	124.4	125.1	125.6	127.2	129.5	140.3	149.0	155.7
70°	99.7	101.2	102.5	102.0	105.1	105.1	106.6	108.4	113.8	120.2	124.9
72.5°	76.1	74.8	76.3	76.8	79.6	81.2	83.5	85.6	91.7	95.6	101.5
75°	49.3	48.0	50.4	51.6	55.5	57.6	59.6	61.7	66.0	68.6	74.3
77.5°	26.7	26.5	28.8	30.6	34.7	37.3	38.8	40.3	43.9	44.7	48.3
80°	15.4	15.4	17.0	18.2	20.8	23.6	25.2	26.5	29.0	29.8	31.3
82.5°	8.5	8.5	9.2	10.0	12.1	13.6	14.9	15.9	18.2	19.0	19.8
85°	4.1	3.9	4.4	4.9	5.7	6.4	7.2	7.7	9.5	10.0	11.0
87.5°	0.5	0.5	0.5	0.8	1.0	1.5	1.8	1.8	2.8	3.3	3.9
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°	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4	523.4
2.5°	528.5	525.2	527.2	528.0	528.0	527.2	523.9	522.9	521.3	519.0	519.0
5°	540.3	537.8	538.3	537.0	533.9	530.1	523.9	520.8	518.2	515.4	515.2
7.5°	560.6	557.3	556.8	551.9	543.7	535.4	526.2	520.5	516.7	513.1	512.8
10°	587.1	584.0	580.2	570.4	558.3	546.2	533.7	525.9	520.3	515.2	514.9
12.5°	616.6	613.0	605.8	591.5	576.3	564.5	550.1	538.3	529.8	522.9	521.6
15°	648.8	643.6	631.3	614.3	599.4	586.8	571.4	554.5	541.6	530.6	529.3
17.5°	673.4	666.7	653.4	637.5	625.1	612.5	592.5	571.2	552.7	538.8	536.7
20°	690.4	685.0	669.8	658.0	650.8	639.8	616.4	592.2	571.4	553.9	552.9
22.5°	706.1	699.6	684.7	677.8	677.8	670.3	648.0	619.5	595.1	574.8	572.2
25°	723.8	716.8	705.5	704.8	708.4	705.0	678.0	647.5	619.0	596.1	592.0
27.5°	748.4	740.7	734.1	738.7	743.8	740.2	710.2	674.7	644.6	621.5	617.9
30°	787.8	778.3	772.1	777.7	787.8	777.2	744.6	707.1	676.8	651.3	649.5
32.5°	833.5	822.7	816.3	825.3	834.3	817.8	785.4	749.5	717.6	690.9	687.8
35°	888.5	874.9	865.4	877.4	886.7	870.5	838.4	804.2	768.7	741.0	736.9
37.5°	937.3	920.9	914.4	931.4	943.7	933.2	898.2	866.1	827.3	797.0	795.2
40°	972.8	956.6	951.9	979.9	1001.5	999.0	967.6	930.9	894.4	859.4	856.1
42.5°	988.2	976.9	977.9	1015.7	1049.1	1065.5	1037.5	998.2	963.0	926.8	924.4
45°	991.5	984.6	992.8	1040.1	1084.0	1117.7	1093.8	1060.9	1021.1	986.1	985.1
47.5°	995.1	991.2	1003.8	1053.9	1106.1	1145.2	1131.8	1097.9	1057.5	1023.4	1020.8
50°	1003.6	1002.0	1016.2	1063.7	1116.6	1152.6	1137.4	1103.8	1062.4	1028.8	1022.6
52.5°	1006.2	1003.6	1023.9	1078.9	1134.1	1152.3	1119.7	1075.8	1034.2	996.6	990.2
55°	1014.1	1009.5	1023.4	1084.5	1158.3	1167.2	1118.7	1052.9	994.8	943.7	928.6
57.5°	1016.2	1011.0	1020.0	1075.3	1132.0	1124.1	983.3	849.7	740.2	683.4	689.9
60°	1005.1	1006.7	991.2	985.1	908.0	801.6	602.0	481.2	377.9	334.3	343.8
62.5°	765.1	771.6	718.9	625.1	480.7	381.0	252.1	195.8	165.7	158.0	159.3
65°	386.2	394.9	340.2	281.3	209.1	169.1	146.2	141.6	140.0	138.2	138.2
67.5°	152.9	155.4	153.4	143.6	133.6	130.0	129.0	128.5	126.7	125.6	125.9
70°	122.8	124.9	121.8	115.6	111.5	111.3	110.7	109.7	108.4	108.4	109.2
72.5°	100.2	102.3	97.9	94.0	91.0	88.6	87.4	86.6	84.8	84.8	85.6
75°	73.7	75.0	71.4	70.9	67.6	65.3	63.2	62.2	59.9	58.8	59.6
77.5°	49.1	48.8	47.0	47.0	45.7	42.9	40.6	38.3	35.2	33.1	33.7
80°	31.9	31.9	31.1	31.1	29.8	27.5	24.7	22.4	20.6	19.0	19.0
82.5°	20.3	20.0	19.8	19.5	19.0	16.7	14.6	13.1	11.8	10.8	11.0
85°	11.3	11.3	10.8	10.8	9.8	8.5	7.5	6.4	5.7	5.4	5.4
87.5°	3.9	3.9	3.6	3.6	3.1	2.3	1.8	1.5	1.3	1.0	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)