

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: P629615

Luminaire Tested: GWS-SA1C-722-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629615  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

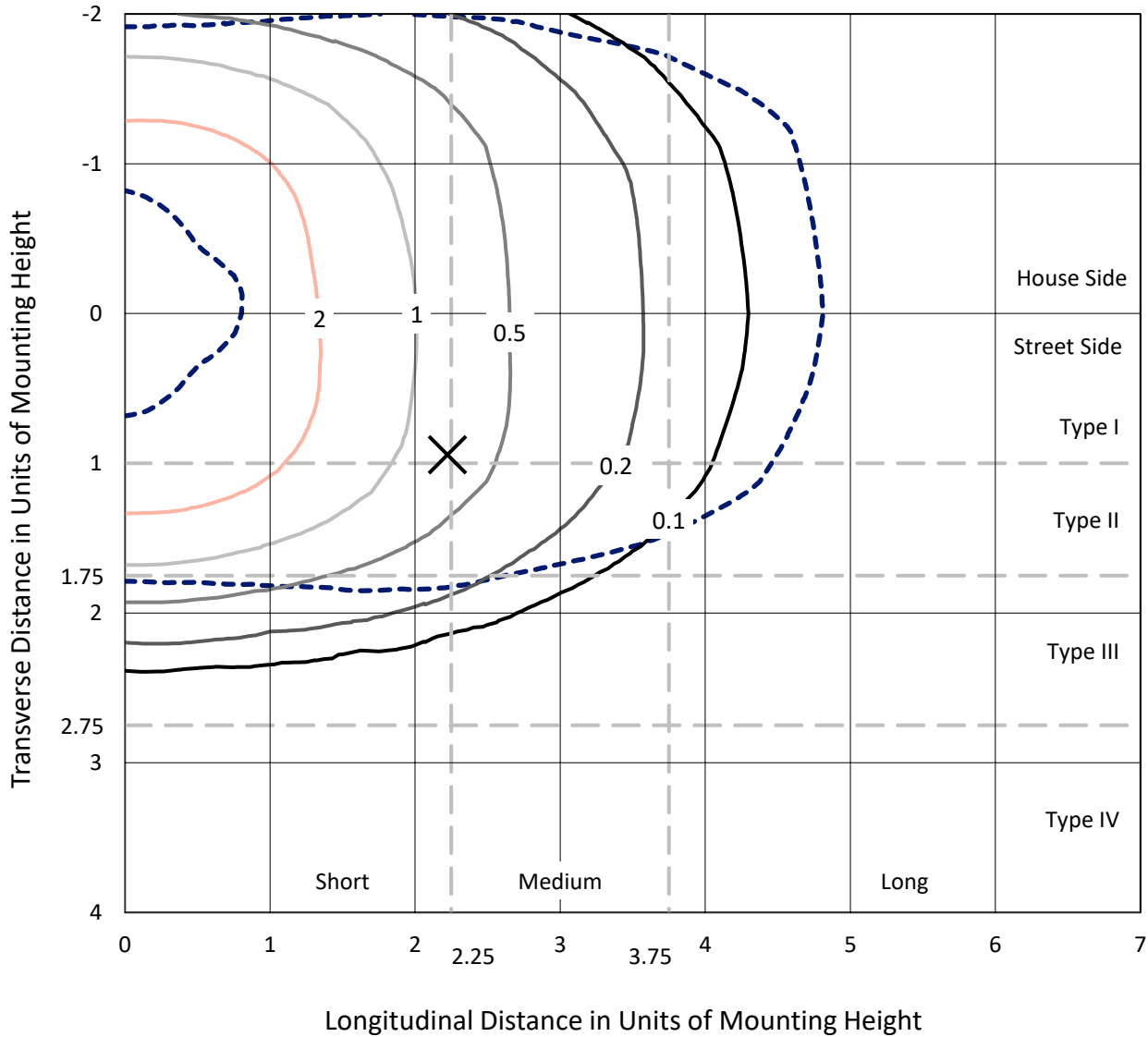
Lumens per Lamp: N/A  
Luminaire Lumens: 3644.7 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

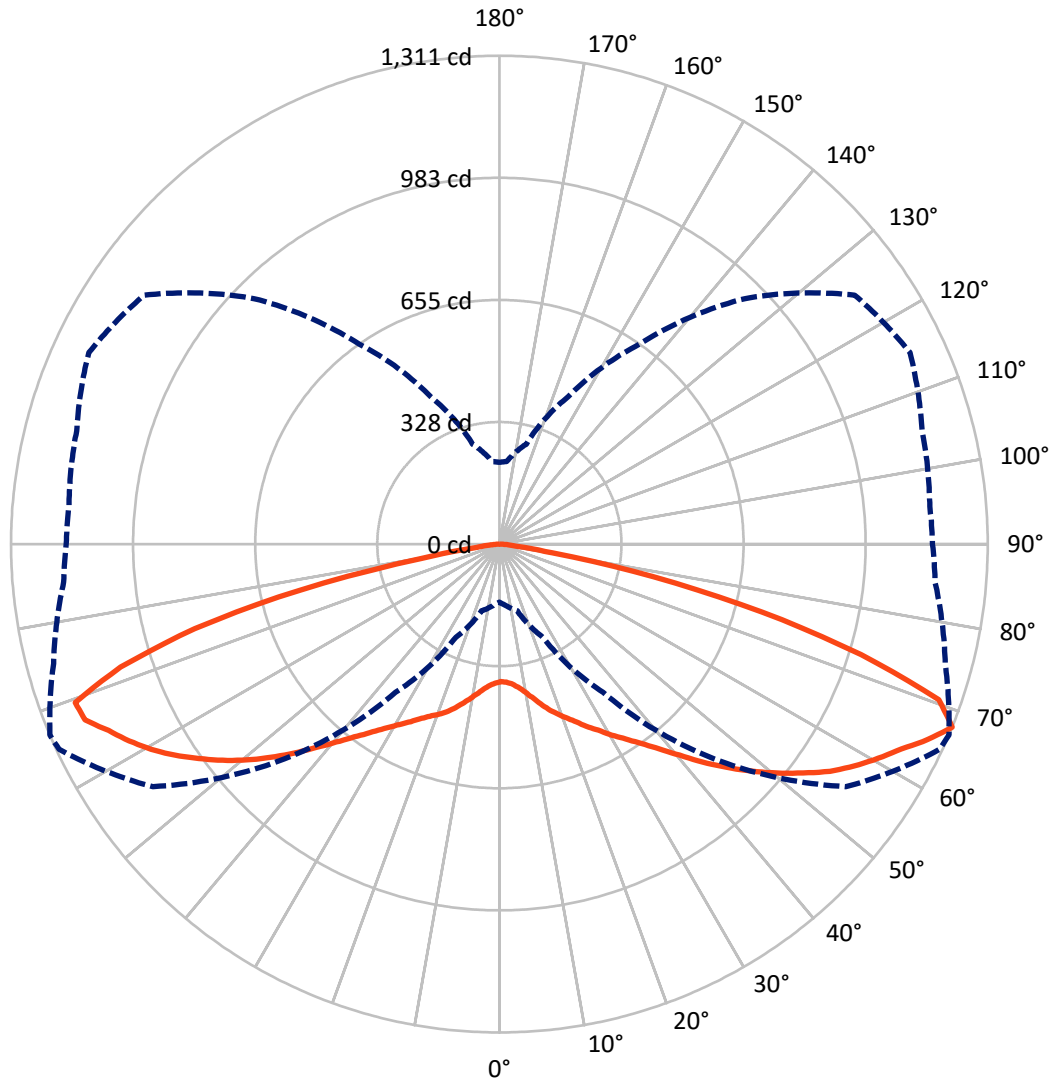
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1802.2	0.0	1802.2
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	1842.5	0.0	1842.5
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	3644.7	0.0	3644.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.2	1.0
10°-20°	122.3	3.4
20°-30°	240.0	6.6
30°-40°	408.9	11.2
40°-50°	656.6	18.0
50°-60°	892.2	24.5
60°-70°	853.4	23.4
70°-80°	405.7	11.1
80°-90°	29.4	0.8
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°	3644.7	100.0
0°-180°	3644.7	100.0

**Coefficient of Utilization**



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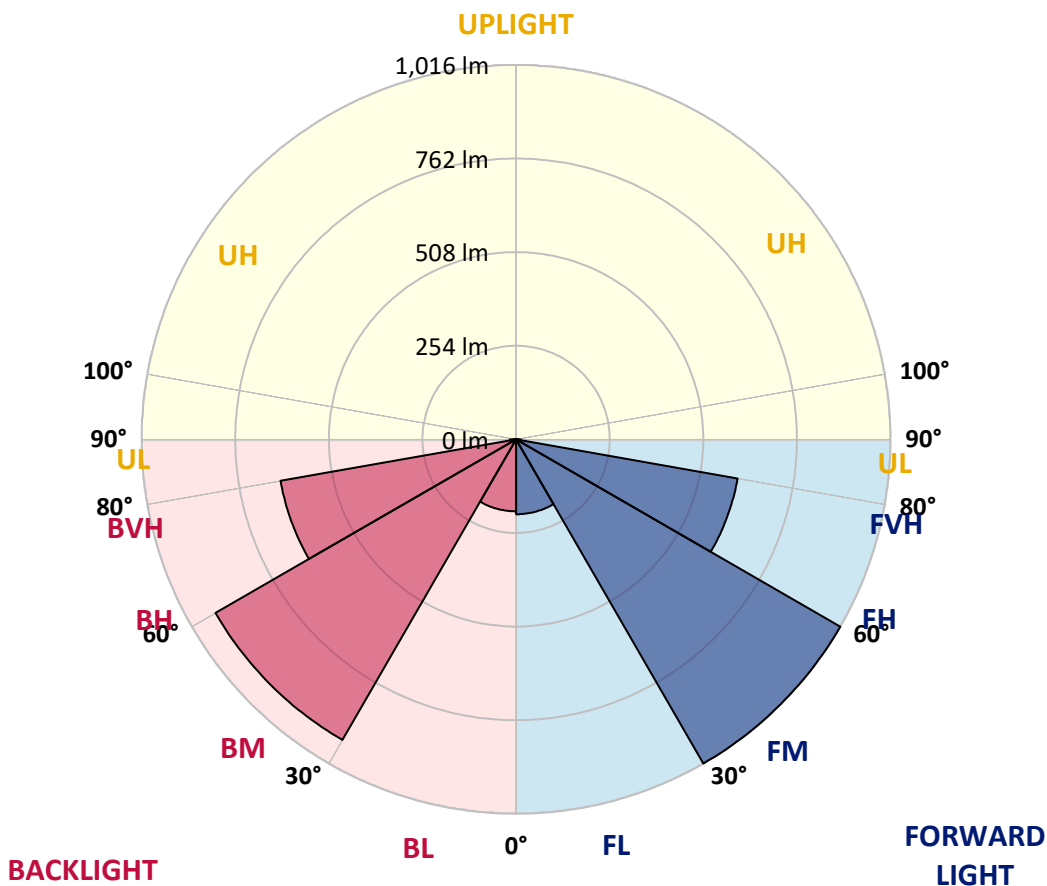
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.2	5.6			
FM (30°-60°)	1015.8	27.9			
FH (60°-80°)	610.2	16.7			G0/660
FVH (80°-90°)	13.2	0.4			G1/100
BL (0°-30°)	195.3	5.4	B1/500		
BM (30°-60°)	941.8	25.8	B1/1000		
BH (60°-80°)	648.9	17.8	B2/1000		G2/1000
BVH (80°-90°)	16.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0
2.5°	361.4	361.9	362.7	364.2	365.7	368.0	370.3	370.1	371.1	371.8	372.6
5°	359.4	359.9	361.2	363.2	365.5	369.3	374.1	376.2	377.7	380.5	383.0
7.5°	363.7	364.7	366.5	369.3	372.9	377.7	384.3	387.8	390.1	395.2	399.5
10°	369.6	370.8	374.4	379.7	385.0	392.4	400.8	406.1	407.6	414.2	422.3
12.5°	375.1	376.7	382.5	392.1	401.8	411.7	421.6	428.2	428.7	437.6	446.7
15°	384.0	385.3	393.2	405.6	420.3	434.0	446.2	450.8	452.8	459.2	470.6
17.5°	403.6	405.1	415.2	428.7	444.2	458.6	470.8	474.6	474.6	480.0	489.4
20°	424.6	426.2	439.6	456.9	475.6	490.4	499.8	496.2	494.9	496.5	503.1
22.5°	448.2	451.0	464.0	484.0	507.1	525.1	530.0	519.3	515.8	512.2	513.7
25°	478.4	481.7	494.4	515.8	538.3	557.4	560.2	543.7	541.6	529.2	524.6
27.5°	513.2	515.8	531.5	552.6	573.6	589.6	592.7	572.4	565.5	548.2	537.6
30°	558.1	560.4	574.1	594.9	613.2	624.4	628.2	600.3	594.9	568.5	552.0
32.5°	607.1	608.1	622.1	642.2	658.4	669.1	663.7	631.2	623.4	593.7	571.1
35°	663.2	663.2	681.2	697.5	710.4	713.5	703.3	666.3	657.1	624.9	596.7
37.5°	718.3	719.8	736.6	755.9	767.3	766.8	748.2	707.6	697.2	662.2	631.0
40°	777.9	781.2	798.0	819.6	830.5	829.0	800.5	755.4	744.7	703.3	672.9
42.5°	832.8	838.1	857.6	879.7	891.7	890.6	860.9	810.2	799.8	753.1	722.6
45°	876.4	882.0	906.4	937.1	956.1	954.3	924.4	867.0	854.3	805.4	771.8
47.5°	914.7	920.6	947.7	980.2	1010.4	1013.5	986.1	924.4	910.9	861.4	823.6
50°	944.2	947.0	977.4	1013.0	1048.0	1065.0	1041.1	982.0	965.8	916.8	874.1
52.5°	941.9	945.7	983.3	1031.5	1078.5	1106.4	1089.9	1036.3	1020.6	967.3	925.7
55°	895.5	899.3	943.9	1014.2	1095.5	1136.6	1134.8	1088.1	1076.7	1018.8	979.2
57.5°	827.7	836.1	880.5	956.4	1073.1	1160.7	1167.8	1135.3	1123.4	1069.3	1032.3
60°	706.4	717.5	768.8	867.3	1001.6	1152.6	1203.1	1175.2	1167.8	1116.3	1080.2
62.5°	513.2	521.3	589.6	718.8	895.5	1094.7	1232.8	1216.3	1210.7	1158.4	1123.6
65°	307.4	325.9	380.7	508.4	722.4	985.6	1216.5	1270.1	1264.2	1201.8	1160.7
67.5°	155.6	164.0	185.5	275.6	485.8	815.5	1135.1	1303.6	1310.7	1238.9	1173.9
70°	96.4	98.7	104.8	136.0	242.6	535.8	928.2	1216.3	1251.1	1233.0	1139.6
72.5°	77.4	77.9	78.9	84.8	116.5	250.5	586.8	952.6	1015.3	1151.6	1090.6
75°	64.2	64.5	64.7	66.5	72.6	102.3	285.5	654.6	727.9	978.7	1011.2
77.5°	51.5	50.3	51.3	52.0	53.6	57.1	98.5	349.2	423.6	642.4	782.0
80°	33.5	33.0	35.0	35.8	37.3	39.6	52.5	118.5	143.9	233.8	248.7
82.5°	18.0	17.0	21.3	20.6	21.3	23.1	31.0	43.4	48.7	70.6	59.6
85°	5.6	5.6	5.8	6.9	8.4	8.1	13.5	21.3	23.6	30.2	22.3
87.5°	1.0	1.0	1.0	1.0	1.0	1.3	2.8	4.3	5.8	10.4	7.9
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°	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0	369.0
2.5°	374.1	371.8	373.1	373.9	373.6	373.1	370.6	370.1	368.8	366.8	366.3
5°	385.3	382.8	383.0	382.2	379.7	376.4	370.8	368.0	365.7	363.2	363.0
7.5°	402.8	400.0	399.3	395.7	388.6	381.0	372.1	367.0	363.2	359.9	359.4
10°	425.1	422.3	419.8	411.4	399.8	389.6	377.9	370.6	365.0	360.9	360.2
12.5°	450.0	447.7	441.4	429.2	415.2	403.3	391.4	382.2	374.1	368.0	367.3
15°	477.7	472.6	463.0	447.2	434.0	424.4	409.9	397.5	384.5	376.4	374.6
17.5°	497.0	492.7	481.2	466.0	455.6	447.2	430.2	412.4	394.9	383.0	380.5
20°	510.7	506.1	493.2	482.0	478.7	471.6	451.8	431.2	410.9	396.2	392.9
22.5°	520.6	515.8	502.6	497.0	501.5	500.3	481.0	457.6	433.5	416.0	411.9
25°	530.0	525.4	513.7	515.8	527.9	531.7	510.9	483.8	456.4	435.8	431.0
27.5°	538.8	533.0	527.7	538.8	556.1	563.2	541.1	510.4	480.7	459.7	455.9
30°	552.6	545.7	544.9	561.2	588.6	594.7	570.3	539.6	510.2	488.8	484.0
32.5°	569.8	563.5	564.0	588.3	620.1	625.1	604.3	575.7	546.2	524.9	518.3
35°	593.2	585.3	589.6	619.6	651.5	660.9	644.2	620.3	591.6	569.8	562.5
37.5°	625.4	614.0	622.9	654.3	686.6	700.5	687.6	669.8	641.4	619.3	612.5
40°	666.5	657.1	660.7	695.5	728.7	745.5	737.3	719.8	691.6	668.5	660.7
42.5°	715.2	705.9	704.6	741.6	774.9	800.3	792.4	776.4	747.2	720.8	713.2
45°	763.0	754.3	756.1	793.9	831.2	858.9	851.0	832.3	800.5	770.1	764.0
47.5°	812.7	805.6	807.1	847.2	888.4	916.0	906.1	883.3	846.2	813.7	806.4
50°	863.7	855.6	857.9	900.0	944.4	970.6	955.4	921.6	880.7	849.0	842.7
52.5°	914.5	904.8	910.7	950.5	996.5	1017.3	989.1	948.3	908.7	877.2	870.1
55°	972.9	962.7	956.4	999.0	1044.4	1053.1	1014.5	966.8	919.8	884.0	879.7
57.5°	1026.2	1017.5	1005.6	1048.3	1081.8	1075.4	1034.0	961.7	892.7	846.7	840.6
60°	1073.9	1066.5	1056.1	1092.4	1107.6	1093.4	1018.3	901.5	825.7	777.7	774.9
62.5°	1117.8	1109.9	1100.3	1131.3	1129.2	1096.2	946.7	809.2	707.6	656.1	651.5
65°	1152.6	1145.5	1142.7	1167.0	1163.7	1041.7	835.3	657.9	517.0	458.9	457.1
67.5°	1162.5	1159.7	1174.7	1216.0	1164.5	932.0	655.1	436.3	277.7	222.6	219.3
70°	1125.4	1125.2	1168.1	1227.2	1058.9	711.9	386.6	196.7	139.6	123.9	121.8
72.5°	1077.2	1076.4	1110.4	1058.7	785.3	389.6	162.7	105.3	87.3	83.0	83.0
75°	998.0	996.0	1021.6	805.4	441.6	146.7	86.3	72.3	68.5	67.8	67.8
77.5°	813.5	796.5	756.1	497.7	154.1	72.1	57.1	56.9	54.6	54.3	54.3
80°	267.5	267.5	310.9	189.9	68.0	44.4	40.4	42.4	40.1	38.6	38.3
82.5°	43.7	60.2	85.5	54.3	36.8	27.7	24.9	26.4	27.7	22.1	22.1
85°	17.3	22.6	33.0	25.4	17.0	11.2	11.9	13.2	11.7	10.2	9.9
87.5°	6.6	8.1	11.7	6.1	3.6	2.0	1.3	1.3	1.0	1.0	1.0
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)