

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: P629287

Luminaire Tested: GWS-SA1B-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3010.7 lumens
Efficiency: N/A
Efficacy: 120.4 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

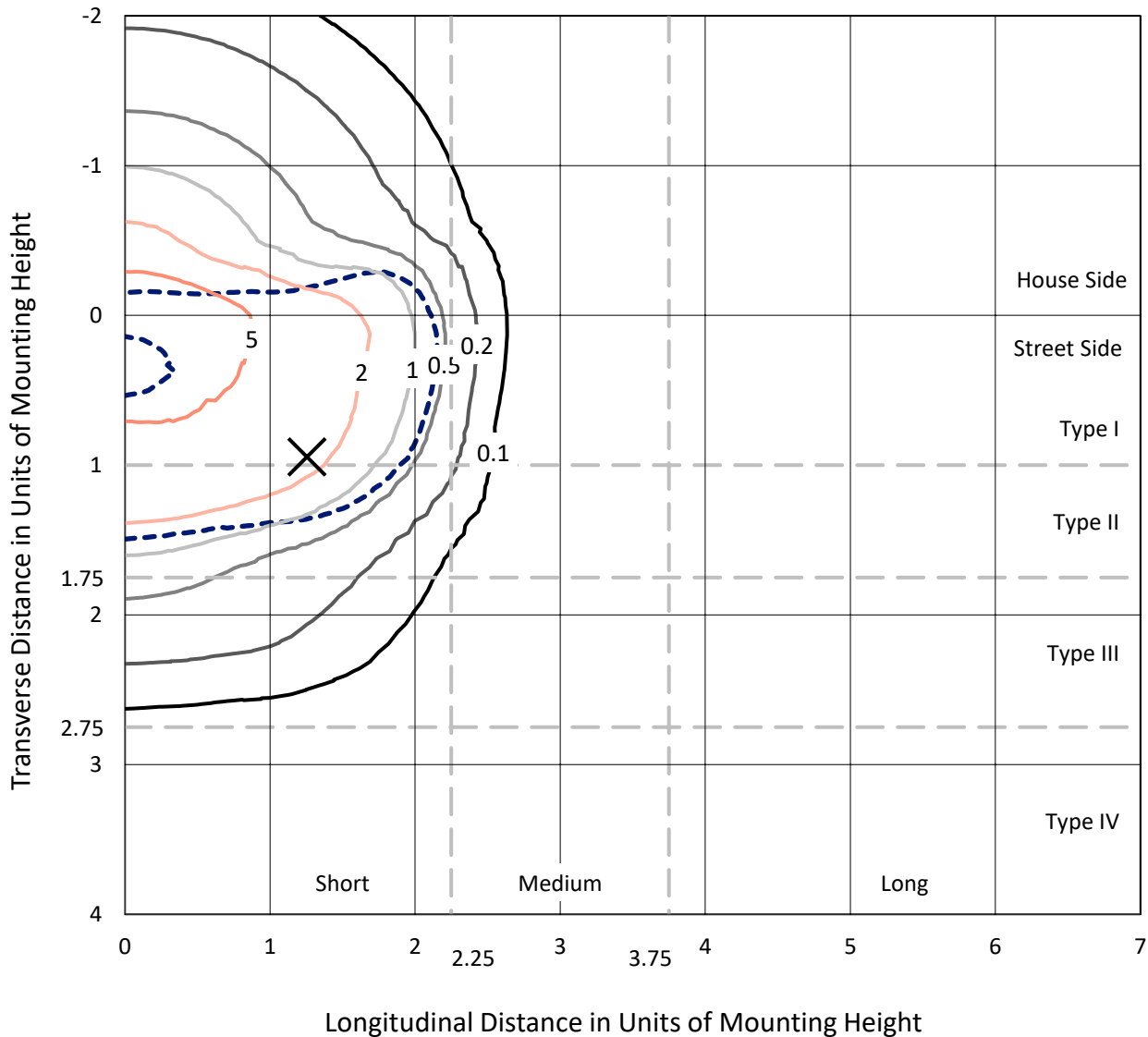
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

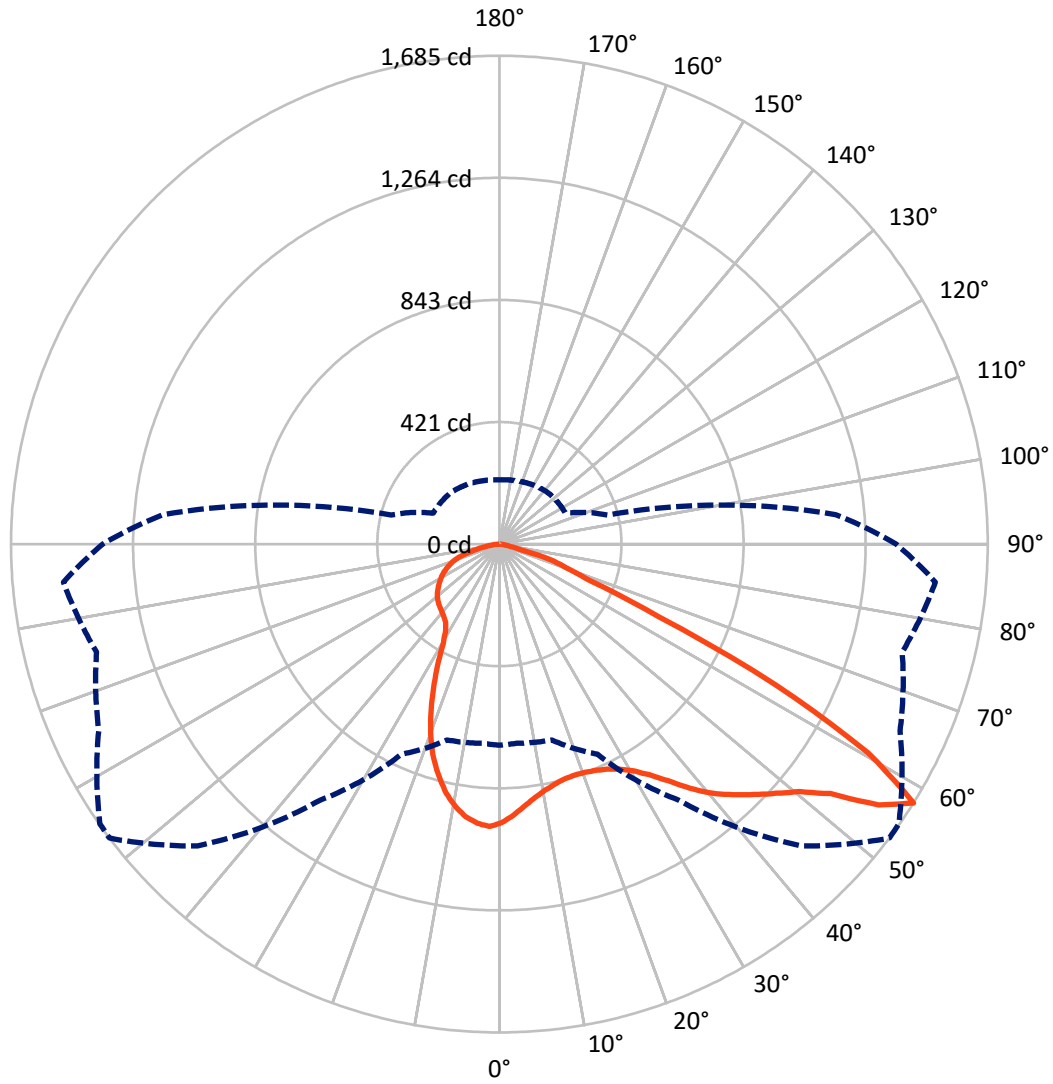
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	941.3	0.0	941.3
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	2069.4	0.0	2069.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	3010.7	0.0	3010.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	2.9
10°-20°	228.1	7.6
20°-30°	336.1	11.2
30°-40°	470.4	15.6
40°-50°	618.4	20.5
50°-60°	725.0	24.1
60°-70°	427.1	14.2
70°-80°	106.3	3.5
80°-90°	12.5	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°	3010.7	100.0
0°-180°	3010.7	100.0

Coefficient of Utilization



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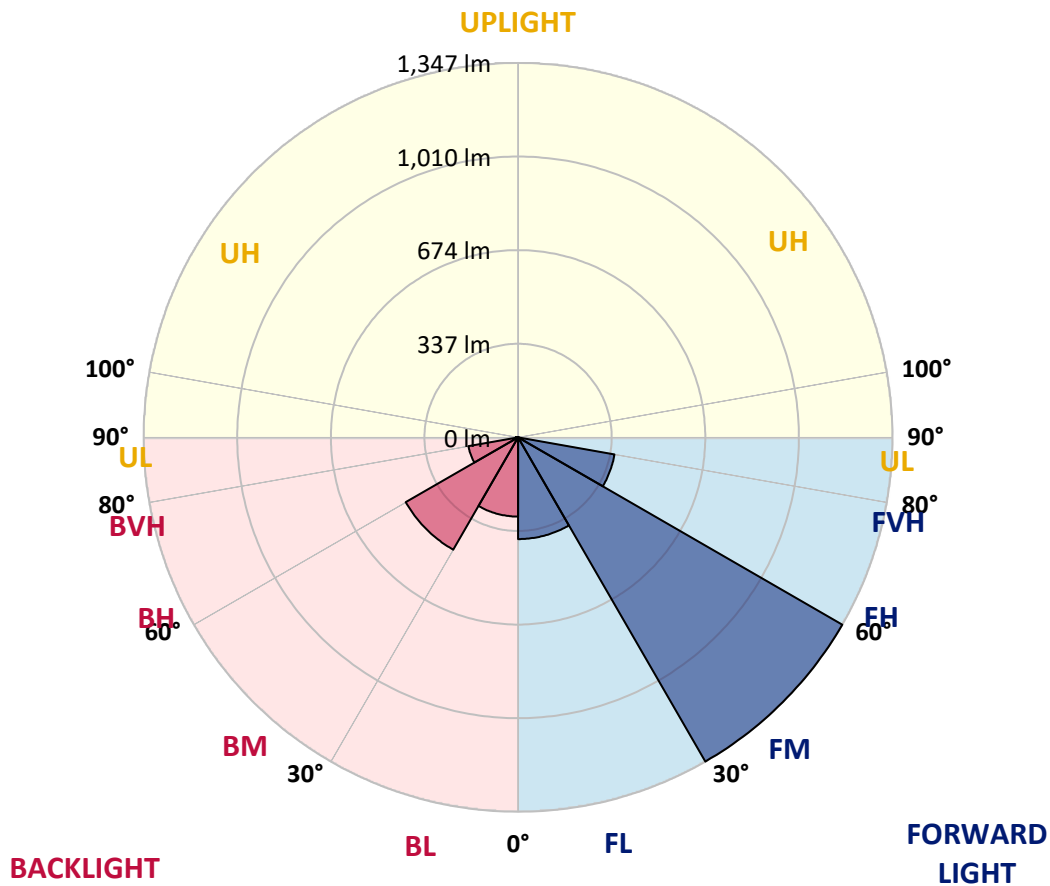
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.0	12.2			
FM (30°-60°)	1347.0	44.7			
FH (60°-80°)	352.1	11.7			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	285.0	9.5	B1/500		
BM (30°-60°)	466.8	15.5	B1/1000		
BH (60°-80°)	181.2	6.0	B1/500		G1/500
BVH (80°-90°)	8.3	0.3			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4
2.5°	906.2	908.7	909.2	917.1	917.6	929.0	936.6	935.0	942.9	952.5	960.1
5°	862.8	863.1	865.6	875.0	880.1	895.0	907.7	907.7	922.9	942.6	959.6
7.5°	827.1	826.8	829.1	839.5	847.9	865.9	883.1	885.1	906.4	935.3	962.9
10°	793.9	795.7	798.2	810.9	821.5	843.8	864.3	867.6	894.5	930.2	967.5
12.5°	772.6	772.9	776.7	790.9	804.5	828.4	849.9	854.0	884.9	925.4	970.8
15°	758.9	759.2	763.2	779.0	794.9	819.0	841.0	845.6	879.3	924.7	977.1
17.5°	752.9	752.6	756.4	772.1	789.6	814.7	838.2	843.8	881.8	930.5	988.3
20°	752.9	753.1	755.1	769.3	787.1	813.7	841.0	847.9	891.7	943.7	1005.5
22.5°	763.5	764.5	765.5	775.1	789.1	815.2	848.4	857.5	913.0	965.7	1028.0
25°	784.3	784.5	785.5	793.4	799.7	819.5	860.5	874.2	946.2	997.9	1056.4
27.5°	812.1	815.7	816.7	821.8	821.8	830.1	879.5	899.3	991.0	1044.3	1092.7
30°	851.2	852.4	854.2	859.8	853.7	850.2	907.4	932.8	1043.0	1100.3	1136.2
32.5°	885.4	888.2	897.8	906.9	896.0	884.9	948.5	978.4	1092.9	1158.5	1182.6
35°	914.5	921.4	939.9	960.1	952.5	941.4	1003.0	1034.1	1134.0	1200.4	1223.7
37.5°	949.7	955.1	980.4	1013.3	1020.2	1014.9	1069.3	1091.6	1161.3	1211.0	1246.0
40°	985.5	993.6	1026.3	1071.9	1098.0	1101.8	1130.7	1145.6	1170.7	1190.2	1241.7
42.5°	1022.0	1035.9	1080.7	1134.0	1180.3	1189.0	1182.4	1188.7	1167.7	1161.6	1221.6
45°	1066.6	1083.0	1133.7	1201.6	1262.7	1276.1	1233.0	1227.2	1167.2	1150.7	1209.2
47.5°	1119.3	1135.7	1184.1	1263.2	1341.2	1351.1	1285.0	1274.3	1184.9	1167.4	1225.9
50°	1165.9	1177.3	1220.6	1309.1	1414.5	1420.3	1342.3	1329.3	1229.0	1213.8	1278.1
52.5°	1118.5	1117.2	1162.9	1271.8	1452.5	1522.7	1430.4	1418.0	1314.1	1290.8	1359.0
55°	949.0	934.5	975.3	1082.5	1346.3	1613.6	1588.6	1563.7	1427.7	1368.4	1434.7
57.5°	693.8	689.8	699.6	800.2	1078.5	1472.8	1685.4	1683.1	1525.7	1439.3	1510.3
60°	542.5	536.4	510.1	512.9	735.1	1150.4	1462.6	1529.8	1586.5	1481.9	1563.0
62.5°	481.7	477.2	463.5	425.7	437.9	771.3	1072.1	1133.7	1386.3	1308.8	1342.5
65°	398.9	397.6	409.0	407.5	366.9	426.0	605.1	667.2	871.7	882.6	871.7
67.5°	289.9	287.6	316.5	373.5	353.2	321.6	337.3	358.8	447.0	401.4	361.3
70°	188.5	185.2	202.0	269.9	316.2	280.3	243.0	239.5	245.8	152.8	165.2
72.5°	126.4	122.6	122.4	148.5	191.1	188.8	188.3	186.5	166.5	120.6	133.8
75°	70.4	67.4	66.6	64.1	68.4	69.7	74.2	76.8	83.1	91.5	101.4
77.5°	11.9	11.7	14.7	18.8	25.8	33.2	41.1	43.3	53.5	63.3	69.7
80°	6.6	6.8	8.9	10.9	14.4	19.8	25.3	26.9	32.9	38.3	43.3
82.5°	3.5	3.5	4.6	5.8	7.9	10.4	13.7	15.0	19.0	22.3	25.8
85°	1.3	1.3	1.8	2.3	3.3	4.3	5.3	6.1	8.4	11.4	12.9
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.0	1.3	2.3	3.3
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°	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4
2.5°	966.5	959.6	969.0	973.3	974.8	975.8	969.3	964.7	963.2	958.4	955.6
5°	970.0	965.5	974.3	974.3	968.0	961.4	948.0	938.6	932.0	924.1	922.9
7.5°	976.1	972.8	977.6	967.7	951.8	934.0	910.7	892.5	877.8	868.1	868.4
10°	984.2	980.1	976.3	954.3	925.2	892.5	856.7	830.1	805.8	794.7	788.6
12.5°	989.5	983.7	967.7	931.2	888.4	844.6	794.2	754.6	719.4	703.4	702.2
15°	996.1	985.5	953.5	901.3	841.8	782.0	717.1	662.1	614.5	589.7	588.4
17.5°	1004.7	987.2	936.6	867.1	792.6	704.5	622.9	553.7	503.0	483.7	487.0
20°	1016.9	989.3	917.3	829.1	731.6	616.3	514.7	451.1	431.5	430.3	427.7
22.5°	1030.6	990.5	896.0	786.6	657.6	522.3	425.2	398.1	397.8	404.2	405.7
25°	1046.0	991.6	871.9	736.9	577.5	428.5	376.0	367.9	374.3	386.2	387.7
27.5°	1065.8	993.6	842.8	682.4	492.4	370.2	348.9	346.9	354.5	365.7	365.1
30°	1094.9	1000.9	811.9	619.8	404.9	342.6	332.5	332.7	335.8	341.1	341.8
32.5°	1124.6	1012.3	781.7	549.4	354.8	326.9	322.3	321.8	321.8	324.1	324.6
35°	1152.7	1025.3	749.0	475.9	330.4	317.8	314.7	313.2	312.4	311.9	311.2
37.5°	1168.4	1031.6	717.1	403.4	317.5	311.7	308.6	306.6	303.8	301.8	301.3
40°	1161.6	1024.2	680.1	349.2	309.7	305.9	302.3	299.5	295.7	293.9	292.9
42.5°	1138.8	1001.4	639.8	323.6	303.3	299.5	295.2	290.6	288.1	286.6	286.3
45°	1114.7	973.8	591.2	308.6	297.2	292.7	287.6	282.5	279.8	279.0	278.7
47.5°	1113.9	960.1	539.5	296.7	289.9	285.3	279.0	273.9	270.9	269.9	268.9
50°	1147.4	974.1	481.2	286.3	282.3	277.5	270.4	264.8	261.0	259.7	259.5
52.5°	1216.8	1026.5	429.0	276.0	272.2	266.6	260.7	255.2	250.6	248.3	248.1
55°	1291.8	1093.2	396.6	265.3	260.2	255.4	250.1	244.0	239.0	235.4	234.9
57.5°	1369.4	1165.9	386.7	251.9	248.1	244.8	238.4	231.9	226.0	222.7	222.0
60°	1433.2	1228.5	405.2	237.7	235.7	231.4	225.5	219.2	215.1	212.6	212.1
62.5°	1199.8	1000.2	327.1	222.2	222.2	217.7	211.1	206.5	203.7	202.0	201.5
65°	761.5	619.3	223.2	206.8	206.5	200.4	194.9	191.8	190.6	187.8	187.3
67.5°	331.7	283.0	190.8	191.1	190.0	183.5	177.9	175.6	173.1	170.0	169.8
70°	172.1	175.4	170.8	173.6	171.8	163.9	158.6	155.1	149.8	146.7	147.0
72.5°	138.9	142.4	147.5	151.8	148.0	141.7	133.3	129.0	122.1	118.8	119.1
75°	105.9	109.7	114.5	119.1	116.1	108.2	102.9	98.6	90.7	86.9	87.7
77.5°	73.0	75.0	80.8	80.6	79.6	77.3	69.4	64.4	56.3	51.7	52.2
80°	45.4	46.6	49.4	50.7	50.2	47.1	40.8	37.0	32.2	29.4	29.6
82.5°	27.4	28.1	30.7	30.9	30.7	28.4	23.6	20.8	17.7	16.2	16.2
85°	13.9	14.4	16.0	16.0	14.4	12.2	10.9	9.6	7.9	7.1	7.1
87.5°	3.8	3.8	4.8	4.1	3.3	3.0	1.5	1.3	0.5	0.3	0.3
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)