

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: P629617

Luminaire Tested: GWS-SA1C-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629617
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3015.5 lumens
Efficiency: N/A
Efficacy: 88.4 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

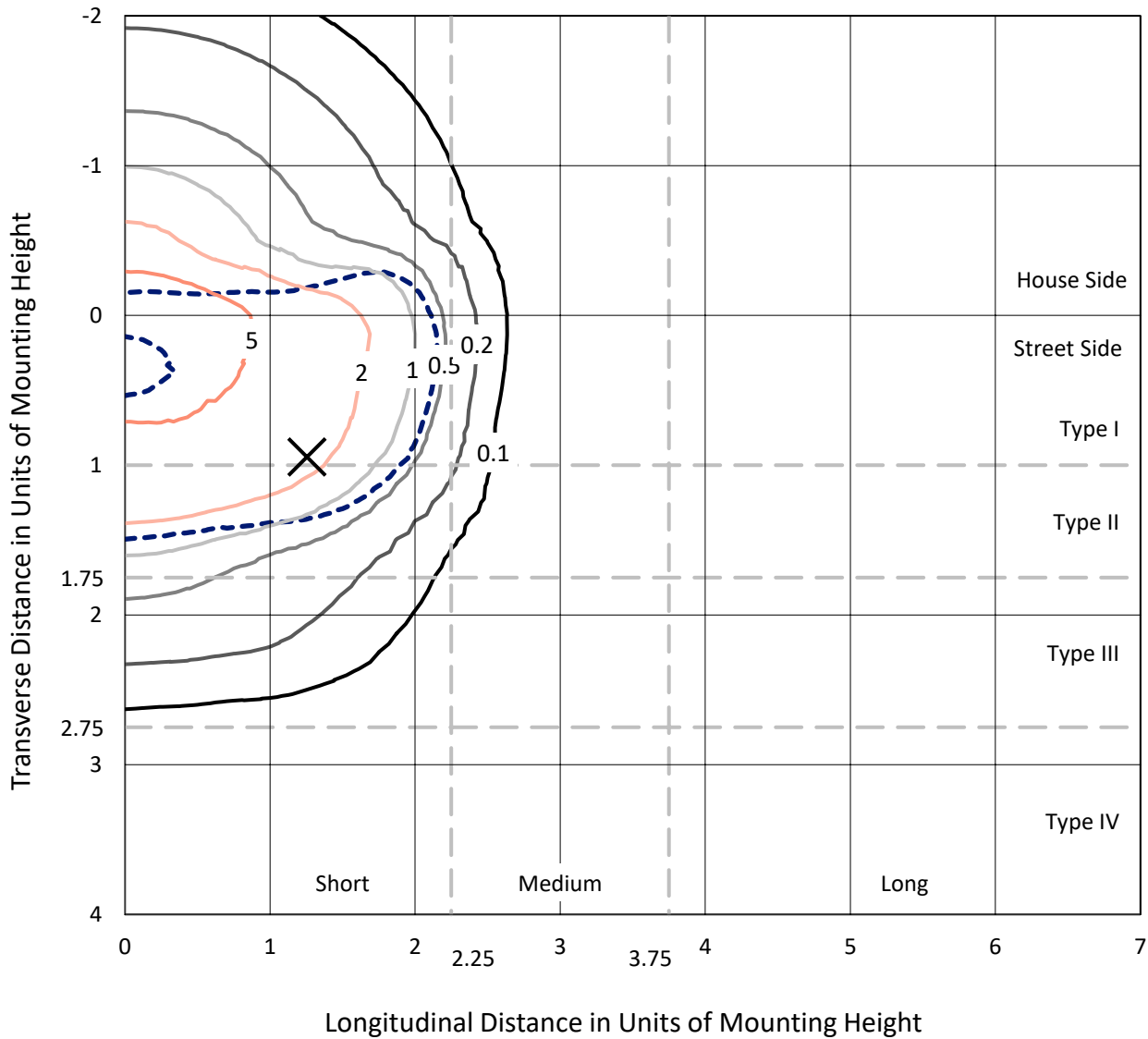
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

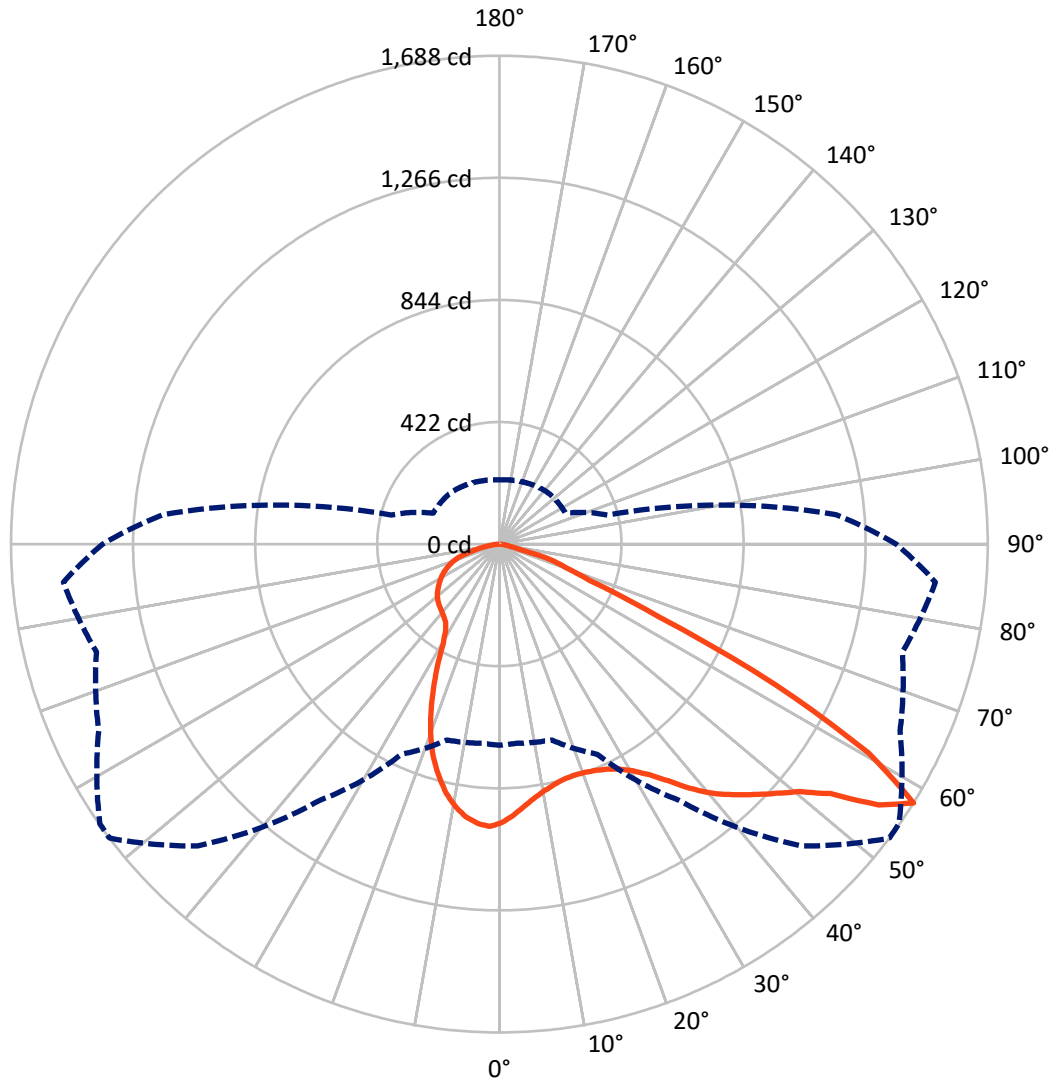
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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	942.8	0.0	942.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	2072.7	0.0	2072.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	3015.5	0.0	3015.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	2.9
10°-20°	228.5	7.6
20°-30°	336.6	11.2
30°-40°	471.1	15.6
40°-50°	619.3	20.5
50°-60°	726.2	24.1
60°-70°	427.8	14.2
70°-80°	106.4	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°	3015.5	100.0
0°-180°	3015.5	100.0

Coefficient of Utilization



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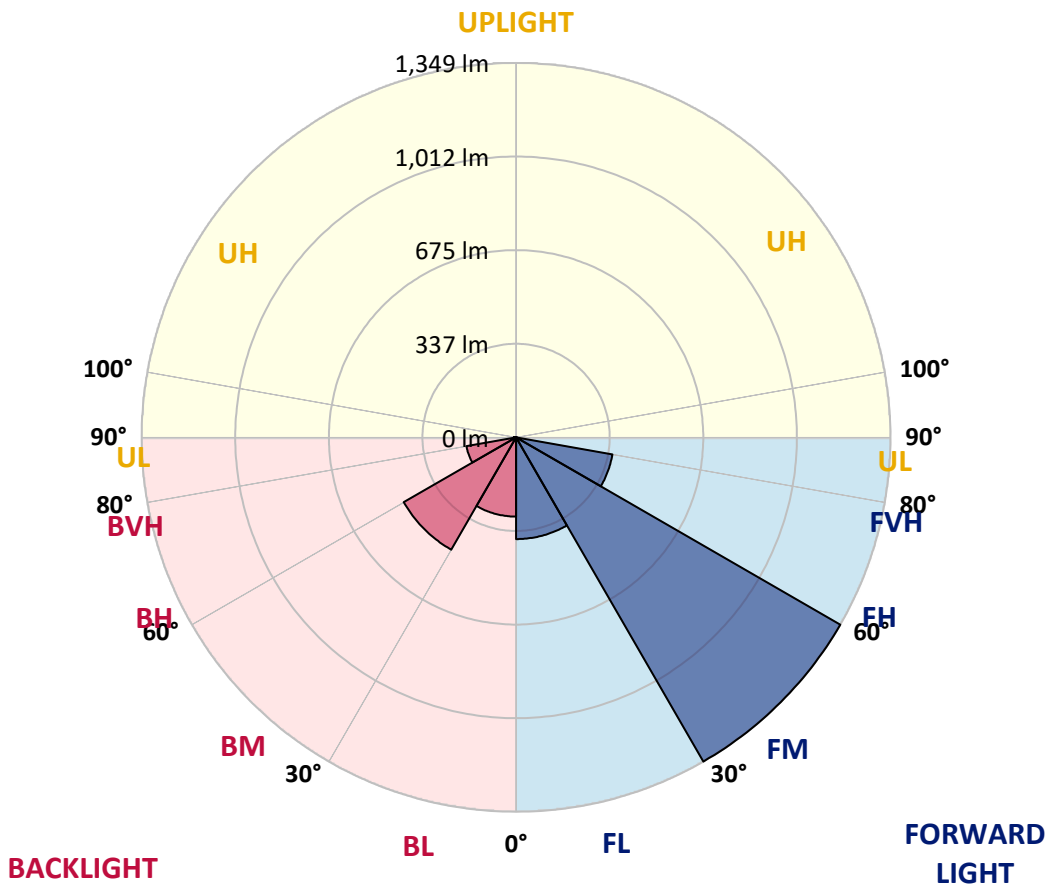
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.6	12.2			
FM (30°-60°)	1349.2	44.7			
FH (60°-80°)	352.7	11.7			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	285.5	9.5	B1/500		
BM (30°-60°)	467.5	15.5	B1/1000		
BH (60°-80°)	181.5	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°	962.9	962.9	962.9	962.9	962.9	962.9	962.9	962.9	962.9	962.9	962.9
2.5°	907.6	910.1	910.6	918.5	919.0	930.4	938.1	936.5	944.4	954.0	961.7
5°	864.2	864.5	867.0	876.4	881.5	896.4	909.1	909.1	924.4	944.1	961.2
7.5°	828.4	828.2	830.4	840.9	849.2	867.2	884.5	886.5	907.9	936.8	964.5
10°	795.2	796.9	799.5	812.2	822.8	845.2	865.7	869.0	895.9	931.7	969.0
12.5°	773.8	774.1	777.9	792.1	805.8	829.7	851.3	855.3	886.3	926.9	972.3
15°	760.1	760.4	764.5	780.2	796.2	820.3	842.4	846.9	880.7	926.1	978.7
17.5°	754.1	753.8	757.6	773.3	790.9	816.0	839.6	845.2	883.2	932.0	989.8
20°	754.1	754.3	756.3	770.5	788.3	815.0	842.4	849.2	893.1	945.2	1007.1
22.5°	764.7	765.7	766.7	776.4	790.3	816.5	849.7	858.9	914.5	967.2	1029.7
25°	785.5	785.8	786.8	794.7	801.0	820.8	861.9	875.6	947.7	999.5	1058.1
27.5°	813.4	817.0	818.0	823.1	823.1	831.5	881.0	900.7	992.6	1045.9	1094.4
30°	852.5	853.8	855.6	861.2	855.1	851.5	908.9	934.3	1044.7	1102.0	1138.1
32.5°	886.8	889.6	899.2	908.4	897.4	886.3	950.0	979.9	1094.7	1160.4	1184.5
35°	916.0	922.8	941.4	961.7	954.0	942.9	1004.6	1035.8	1135.8	1202.3	1225.6
37.5°	951.3	956.6	982.0	1015.0	1021.8	1016.5	1071.1	1093.4	1163.2	1212.9	1248.0
40°	987.0	995.2	1027.9	1073.6	1099.7	1103.5	1132.5	1147.4	1172.6	1192.1	1243.6
42.5°	1023.6	1037.5	1082.5	1135.8	1182.2	1190.8	1184.2	1190.6	1169.5	1163.4	1223.6
45°	1068.3	1084.8	1135.5	1203.5	1264.7	1278.2	1235.0	1229.2	1169.0	1152.5	1211.2
47.5°	1121.1	1137.5	1186.0	1265.2	1343.4	1353.3	1287.0	1276.4	1186.8	1169.3	1227.9
50°	1167.8	1179.2	1222.6	1311.1	1416.7	1422.6	1344.4	1331.5	1230.9	1215.7	1280.2
52.5°	1120.3	1119.0	1164.7	1273.8	1454.8	1525.1	1432.7	1420.3	1316.2	1292.9	1361.1
55°	950.5	936.0	976.9	1084.2	1348.5	1616.2	1591.1	1566.2	1429.9	1370.5	1437.0
57.5°	694.9	690.9	700.8	801.5	1080.2	1475.1	1688.0	1685.8	1528.2	1441.6	1512.7
60°	543.4	537.3	510.9	513.7	736.3	1152.3	1465.0	1532.2	1589.1	1484.2	1565.5
62.5°	482.5	477.9	464.2	426.4	438.6	772.6	1073.8	1135.5	1388.6	1310.9	1344.7
65°	399.5	398.2	409.6	408.1	367.5	426.6	606.1	668.3	873.1	884.0	873.1
67.5°	290.4	288.1	317.0	374.1	353.8	322.1	337.8	359.4	447.7	402.0	361.9
70°	188.8	185.5	202.3	270.3	316.7	280.7	243.4	239.8	246.2	153.0	165.5
72.5°	126.6	122.8	122.6	148.7	191.4	189.1	188.6	186.8	166.7	120.8	134.0
75°	70.6	67.5	66.8	64.2	68.5	69.8	74.4	76.9	83.2	91.6	101.5
77.5°	11.9	11.7	14.7	18.8	25.9	33.2	41.1	43.4	53.6	63.5	69.8
80°	6.6	6.9	8.9	10.9	14.5	19.8	25.4	26.9	33.0	38.3	43.4
82.5°	3.6	3.6	4.6	5.8	7.9	10.4	13.7	15.0	19.0	22.3	25.9
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°	962.9	962.9	962.9	962.9	962.9	962.9	962.9	962.9	962.9	962.9	962.9
2.5°	968.0	961.2	970.5	974.9	976.4	977.4	970.8	966.2	964.7	959.9	957.1
5°	971.6	967.0	975.9	975.9	969.5	962.9	949.5	940.1	933.5	925.6	924.4
7.5°	977.7	974.4	979.2	969.3	953.3	935.5	912.2	893.9	879.2	869.5	869.8
10°	985.8	981.7	977.9	955.8	926.6	893.9	858.1	831.5	807.1	795.9	789.8
12.5°	991.1	985.3	969.3	932.7	889.8	845.9	795.4	755.8	720.5	704.6	703.3
15°	997.7	987.0	955.1	902.8	843.1	783.2	718.3	663.2	615.5	590.6	589.3
17.5°	1006.3	988.8	938.1	868.5	793.9	705.6	623.8	554.6	503.8	484.5	487.8
20°	1018.5	990.8	918.8	830.4	732.7	617.3	515.5	451.8	432.2	431.0	428.4
22.5°	1032.2	992.1	897.4	787.8	658.6	523.1	425.9	398.7	398.5	404.8	406.3
25°	1047.7	993.1	873.3	738.1	578.4	429.2	376.6	368.5	374.9	386.8	388.3
27.5°	1067.5	995.2	844.2	683.5	493.1	370.8	349.5	347.5	355.1	366.2	365.7
30°	1096.7	1002.5	813.2	620.8	405.6	343.1	333.0	333.2	336.3	341.6	342.4
32.5°	1126.4	1013.9	783.0	550.2	355.3	327.4	322.8	322.3	322.3	324.6	325.1
35°	1154.6	1026.9	750.2	476.6	331.0	318.3	315.2	313.7	312.9	312.4	311.7
37.5°	1170.3	1033.2	718.3	404.1	318.0	312.2	309.1	307.1	304.3	302.3	301.8
40°	1163.4	1025.9	681.2	349.7	310.1	306.3	302.8	300.0	296.2	294.4	293.4
42.5°	1140.6	1003.0	640.9	324.1	303.8	300.0	295.7	291.1	288.6	287.1	286.8
45°	1116.5	975.4	592.1	309.1	297.7	293.1	288.1	283.0	280.2	279.4	279.2
47.5°	1115.7	961.7	540.3	297.2	290.4	285.8	279.4	274.4	271.3	270.3	269.3
50°	1149.2	975.6	482.0	286.8	282.7	277.9	270.8	265.2	261.4	260.1	259.9
52.5°	1218.8	1028.2	429.7	276.4	272.6	267.0	261.2	255.6	251.0	248.7	248.5
55°	1293.9	1094.9	397.2	265.7	260.7	255.8	250.5	244.4	239.3	235.8	235.3
57.5°	1371.6	1167.8	387.3	252.3	248.5	245.2	238.8	232.2	226.4	223.1	222.3
60°	1435.5	1230.4	405.8	238.1	236.0	231.7	225.9	219.5	215.5	212.9	212.4
62.5°	1201.8	1001.8	327.7	222.6	222.6	218.0	211.4	206.8	204.1	202.3	201.8
65°	762.7	620.3	223.6	207.1	206.8	200.8	195.2	192.1	190.9	188.1	187.6
67.5°	332.2	283.5	191.1	191.4	190.4	183.8	178.2	175.9	173.3	170.3	170.0
70°	172.3	175.6	171.1	173.9	172.1	164.2	158.9	155.3	150.0	147.0	147.2
72.5°	139.1	142.6	147.7	152.0	148.2	141.9	133.5	129.2	122.3	119.0	119.3
75°	106.1	109.9	114.7	119.3	116.2	108.4	103.0	98.7	90.9	87.1	87.8
77.5°	73.1	75.1	81.0	80.7	79.7	77.4	69.5	64.5	56.3	51.8	52.3
80°	45.4	46.7	49.5	50.8	50.3	47.2	40.9	37.1	32.2	29.4	29.7
82.5°	27.4	28.2	30.7	31.0	30.7	28.4	23.6	20.8	17.8	16.2	16.2
85°	14.0	14.5	16.0	16.0	14.5	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)