

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: P629799

Luminaire Tested: GWS-SA1C-735-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4732 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

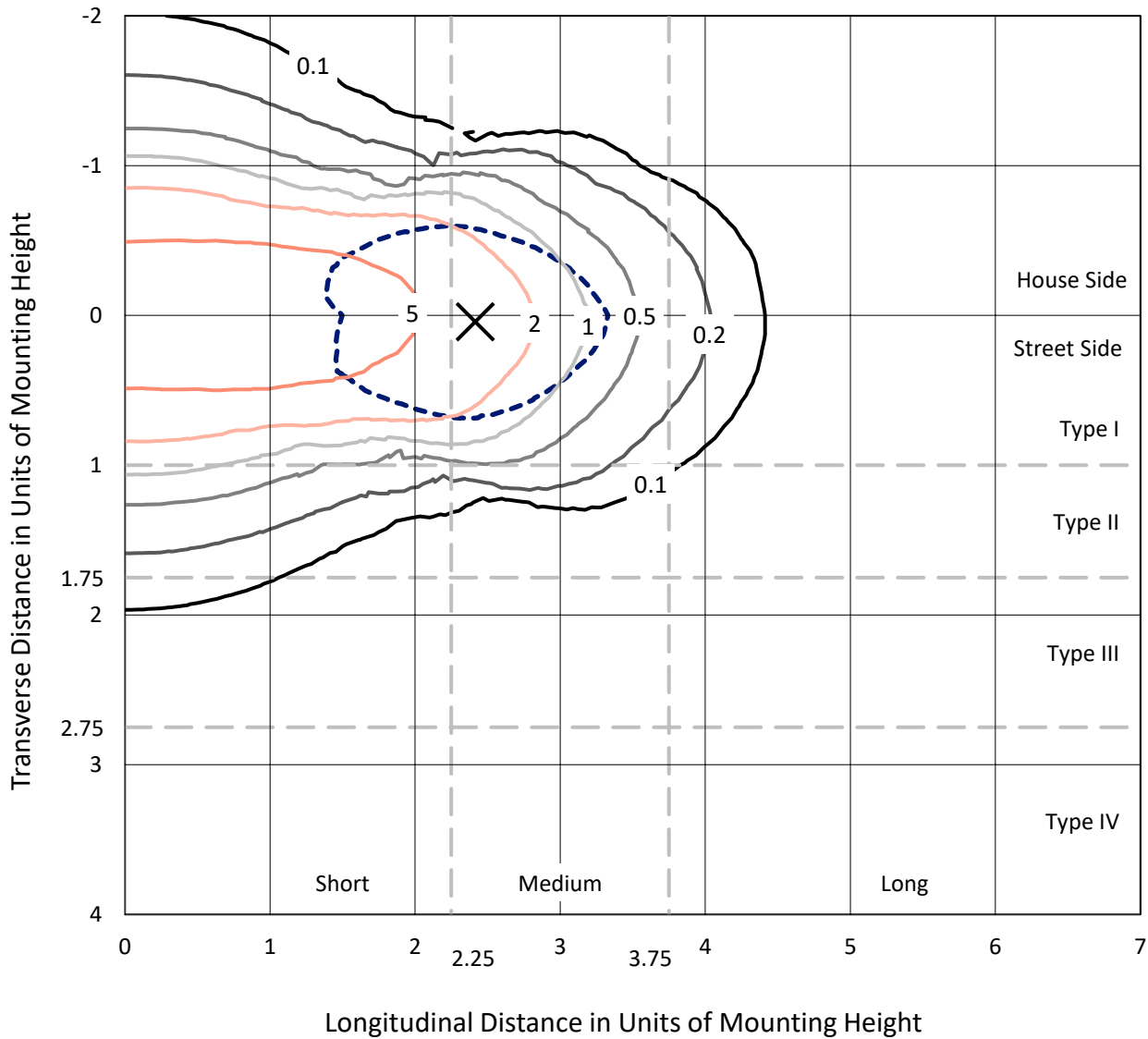
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

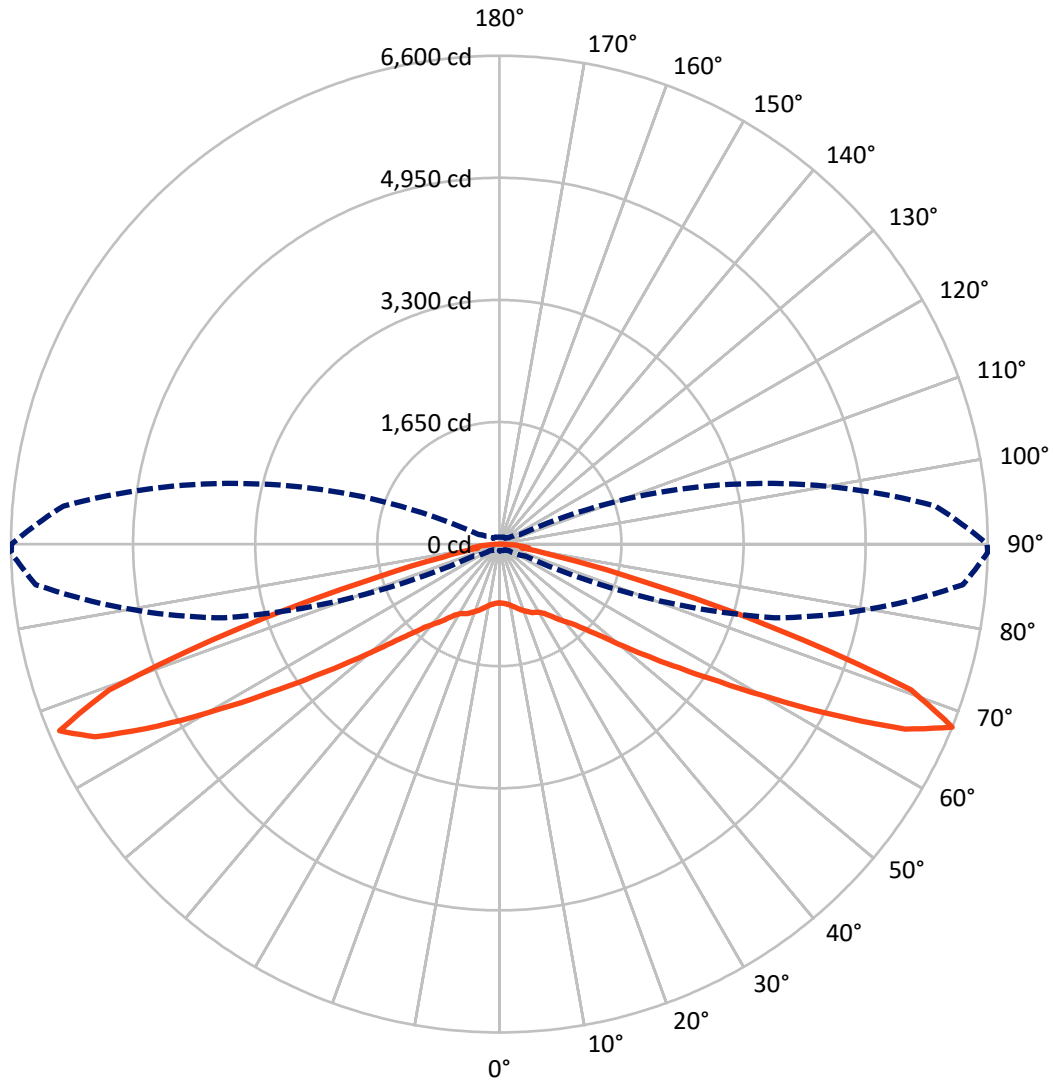
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2345.3	0.0	2345.3
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	2386.7	0.0	2386.7
	% Fixture	50.4	0.0	50.4
Total	Lumens	4732.0	0.0	4732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	1.7
10°-20°	259.4	5.5
20°-30°	438.5	9.3
30°-40°	601.8	12.7
40°-50°	767.4	16.2
50°-60°	962.9	20.3
60°-70°	1161.3	24.5
70°-80°	420.1	8.9
80°-90°	40.9	0.9
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°	4732.0	100.0
0°-180°	4732.0	100.0

Coefficient of Utilization



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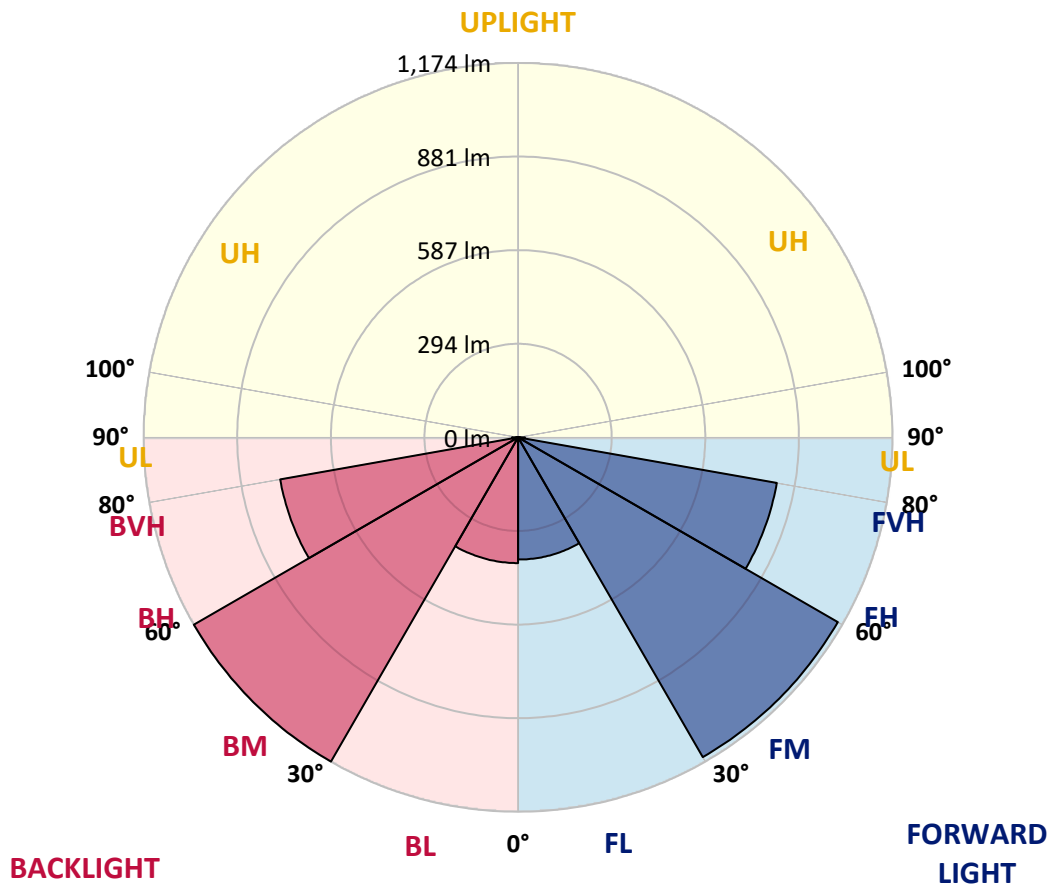
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.3	8.1			
FM (30°-60°)	1158.0	24.5			
FH (60°-80°)	823.9	17.4			G1/1800
FVH (80°-90°)	21.6	0.5			G1/100
BL (0°-30°)	394.3	8.3	B1/500		
BM (30°-60°)	1174.1	24.8	B2/2500		
BH (60°-80°)	757.5	16.0	B2/1000		G2/1000
BVH (80°-90°)	19.3	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 I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2
2.5°	796.6	795.9	794.2	799.3	798.3	798.6	800.7	799.3	796.9	792.9	798.6
5°	819.0	818.7	815.0	818.0	814.6	812.2	811.9	808.5	805.8	801.4	807.5
7.5°	840.8	840.4	837.4	842.8	840.1	837.4	834.3	827.5	821.1	814.6	821.4
10°	857.4	857.1	856.4	864.2	864.9	865.9	864.6	853.0	841.8	834.0	840.8
12.5°	867.0	868.0	869.7	883.9	891.1	897.9	899.6	890.1	871.4	860.2	868.3
15°	860.5	862.5	871.0	896.9	916.6	931.9	938.3	930.5	906.4	887.7	896.9
17.5°	829.6	831.3	847.9	887.3	930.8	966.2	976.7	972.0	945.1	922.4	931.2
20°	786.8	790.5	808.5	863.6	928.5	990.0	1018.2	1016.5	987.3	952.3	962.8
22.5°	748.0	752.4	771.5	832.3	912.5	996.1	1060.0	1064.4	1025.7	982.2	990.7
25°	704.5	708.6	733.1	795.2	885.0	991.3	1095.7	1115.7	1069.2	1016.5	1024.3
27.5°	660.0	663.0	687.2	753.4	848.9	982.5	1123.9	1172.1	1112.0	1040.3	1045.7
30°	620.9	625.0	647.1	711.6	809.5	964.8	1147.0	1232.3	1161.3	1067.1	1071.5
32.5°	583.2	586.6	610.7	670.5	767.7	937.6	1167.7	1303.0	1234.3	1117.1	1117.1
35°	535.6	541.7	568.9	631.1	728.3	901.6	1182.7	1385.2	1334.2	1190.8	1191.2
37.5°	491.8	495.2	523.7	586.6	686.8	860.8	1184.0	1470.5	1460.7	1284.6	1285.3
40°	441.8	446.2	476.8	539.0	639.3	818.0	1171.1	1550.1	1593.2	1381.1	1377.4
42.5°	391.2	397.6	426.9	487.7	587.9	765.7	1136.8	1625.8	1761.4	1493.0	1483.8
45°	342.2	346.3	375.5	433.0	529.1	703.1	1081.7	1698.6	1961.3	1662.9	1649.6
47.5°	287.2	288.9	319.1	374.2	468.3	633.5	1002.9	1763.5	2180.8	1887.9	1865.1
50°	238.2	240.6	264.4	311.6	393.9	550.9	904.7	1801.5	2460.5	2194.7	2155.3
52.5°	192.7	195.1	214.1	251.8	325.6	456.8	783.0	1792.7	2744.3	2575.7	2518.3
55°	155.7	157.4	170.3	199.8	256.2	363.3	639.3	1713.5	3059.3	3073.3	2949.6
57.5°	131.5	132.2	141.0	159.0	200.2	280.0	493.5	1526.6	3389.7	3708.1	3504.9
60°	117.6	117.9	122.0	133.2	158.0	213.8	361.6	1228.9	3731.9	4502.3	4223.6
62.5°	108.8	108.8	112.2	118.6	131.2	164.5	265.8	882.6	3977.6	5366.6	5089.6
65°	100.3	100.3	102.6	108.1	114.9	134.2	199.5	569.2	4098.2	6089.1	6027.6
67.5°	89.4	89.7	91.4	97.2	103.3	112.2	151.2	385.0	3847.8	6288.9	6600.2
70°	79.2	79.5	81.9	85.6	90.7	96.9	118.3	265.4	2800.7	5237.8	5901.5
72.5°	68.0	69.3	71.0	75.1	78.2	82.6	96.5	172.0	1629.6	3369.3	3901.1
75°	55.7	57.4	59.5	63.6	65.6	67.3	79.5	122.7	784.0	1707.4	1944.3
77.5°	43.2	44.9	47.2	51.0	52.3	54.4	60.8	88.7	375.5	756.8	816.0
80°	28.9	29.6	31.6	36.0	38.4	39.8	44.9	60.5	163.1	303.8	301.1
82.5°	17.7	18.0	18.7	21.4	22.4	23.8	29.2	37.0	77.8	345.3	395.9
85°	6.5	6.1	5.8	7.5	8.8	10.2	13.6	18.7	34.0	237.2	265.4
87.5°	0.0	0.0	0.0	0.3	0.7	0.7	1.4	2.7	8.2	88.7	60.8
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°	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2	794.2
2.5°	796.9	793.2	798.0	801.4	808.8	811.6	812.2	809.9	809.9	805.8	806.5
5°	806.1	803.7	811.6	817.3	828.2	832.3	835.0	833.3	834.3	831.6	832.3
7.5°	820.1	818.0	831.6	842.8	854.0	858.8	861.2	859.8	860.2	856.8	857.8
10°	839.4	840.1	856.4	871.0	886.0	890.7	891.8	887.7	884.3	878.2	878.5
12.5°	865.9	869.3	892.4	908.8	924.1	930.8	923.4	908.4	894.5	883.9	882.6
15°	894.8	900.9	934.2	955.0	971.6	968.2	946.1	912.5	885.0	869.3	866.3
17.5°	929.5	938.7	980.5	1005.3	1019.5	997.8	951.6	901.3	862.9	841.8	837.7
20°	962.1	976.7	1029.4	1061.7	1063.4	1014.5	949.2	878.5	830.3	804.4	799.0
22.5°	992.0	1010.7	1080.7	1121.8	1099.8	1021.9	934.6	846.2	790.8	760.6	755.8
25°	1024.6	1051.2	1140.5	1178.9	1136.1	1018.9	904.0	806.1	743.3	712.3	708.9
27.5°	1047.1	1080.4	1200.7	1237.4	1166.0	1001.5	864.6	762.3	699.7	670.5	665.8
30°	1072.9	1115.4	1267.0	1300.9	1184.4	976.0	822.4	721.5	659.3	627.7	624.3
32.5°	1119.8	1173.2	1349.2	1368.2	1190.2	944.4	782.0	682.1	617.2	585.6	580.8
35°	1195.3	1257.8	1464.8	1443.3	1185.7	909.8	743.6	635.9	574.0	544.4	539.7
37.5°	1290.4	1368.2	1593.6	1511.0	1173.5	871.7	698.1	597.1	535.3	505.4	502.6
40°	1379.1	1474.9	1738.0	1569.4	1148.7	824.8	654.2	556.7	493.5	461.9	455.7
42.5°	1490.2	1617.7	1905.2	1620.1	1107.9	768.7	604.9	506.7	441.1	412.6	405.1
45°	1659.1	1817.5	2099.6	1668.7	1047.1	699.7	543.1	445.9	383.7	354.5	348.7
47.5°	1869.9	2067.3	2310.3	1697.5	954.6	627.0	473.1	381.7	319.5	286.5	283.8
50°	2165.9	2430.6	2536.3	1692.5	851.3	540.7	394.2	305.2	253.2	229.4	225.7
52.5°	2526.4	2886.7	2780.6	1631.3	741.6	442.5	307.2	239.6	200.9	183.9	180.8
55°	2978.8	3432.8	3037.9	1500.1	602.9	338.8	241.3	189.0	162.4	152.3	150.9
57.5°	3538.9	4140.0	3285.7	1279.2	453.4	258.6	185.9	156.0	143.4	137.3	137.0
60°	4278.0	4890.8	3500.8	994.1	324.6	197.8	153.6	139.3	129.5	125.4	125.1
62.5°	5156.9	5572.5	3634.7	677.0	244.0	157.7	135.3	126.4	120.6	118.3	117.9
65°	6060.2	6003.4	3570.8	443.5	185.2	133.9	121.3	116.6	111.5	109.1	109.1
67.5°	6593.8	5912.4	3080.4	307.9	146.8	117.6	109.4	105.0	96.5	94.5	94.5
70°	5840.3	4790.9	2019.0	225.3	118.9	103.0	95.2	89.0	85.6	83.6	83.3
72.5°	3862.7	3117.4	1073.6	156.3	99.2	87.7	80.5	78.2	74.1	72.0	71.7
75°	1922.5	1637.4	550.2	112.8	82.6	70.3	67.3	66.3	62.9	60.2	59.5
77.5°	801.4	729.0	256.6	81.9	62.9	56.8	54.0	54.0	50.3	47.2	45.9
80°	302.1	269.2	121.3	56.1	46.6	42.1	40.4	39.1	36.0	32.3	30.2
82.5°	404.1	264.1	59.5	35.0	30.6	27.2	24.8	23.8	22.1	20.4	19.0
85°	261.7	187.6	26.8	18.0	15.3	11.6	10.2	9.5	8.5	7.5	6.8
87.5°	53.4	62.9	8.2	3.4	2.0	1.0	1.0	0.3	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)