

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: P628906

Luminaire Tested: GWS-SA1A-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628906  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-750-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

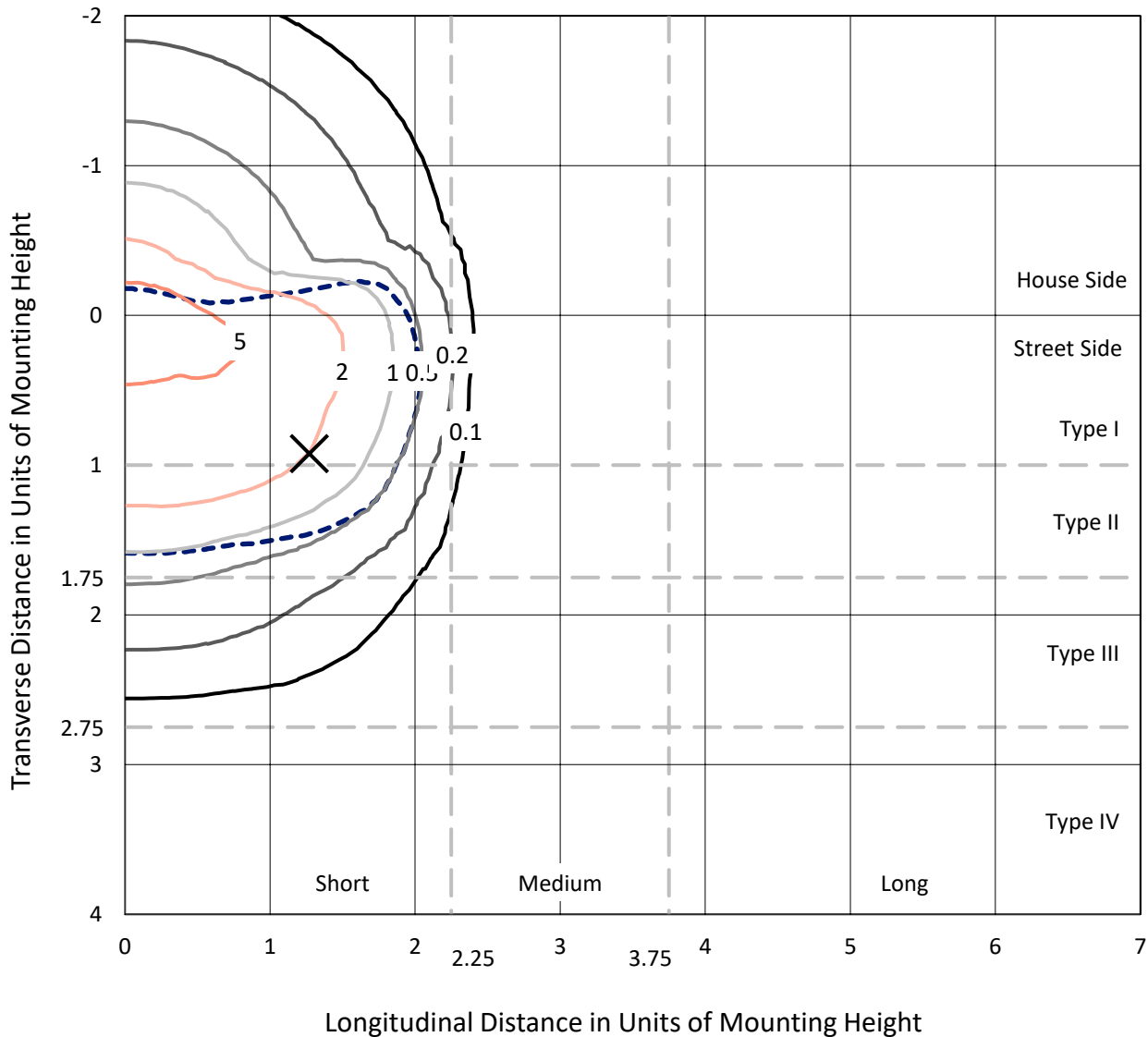
Lumens per Lamp: N/A  
Luminaire Lumens: 2436.1 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

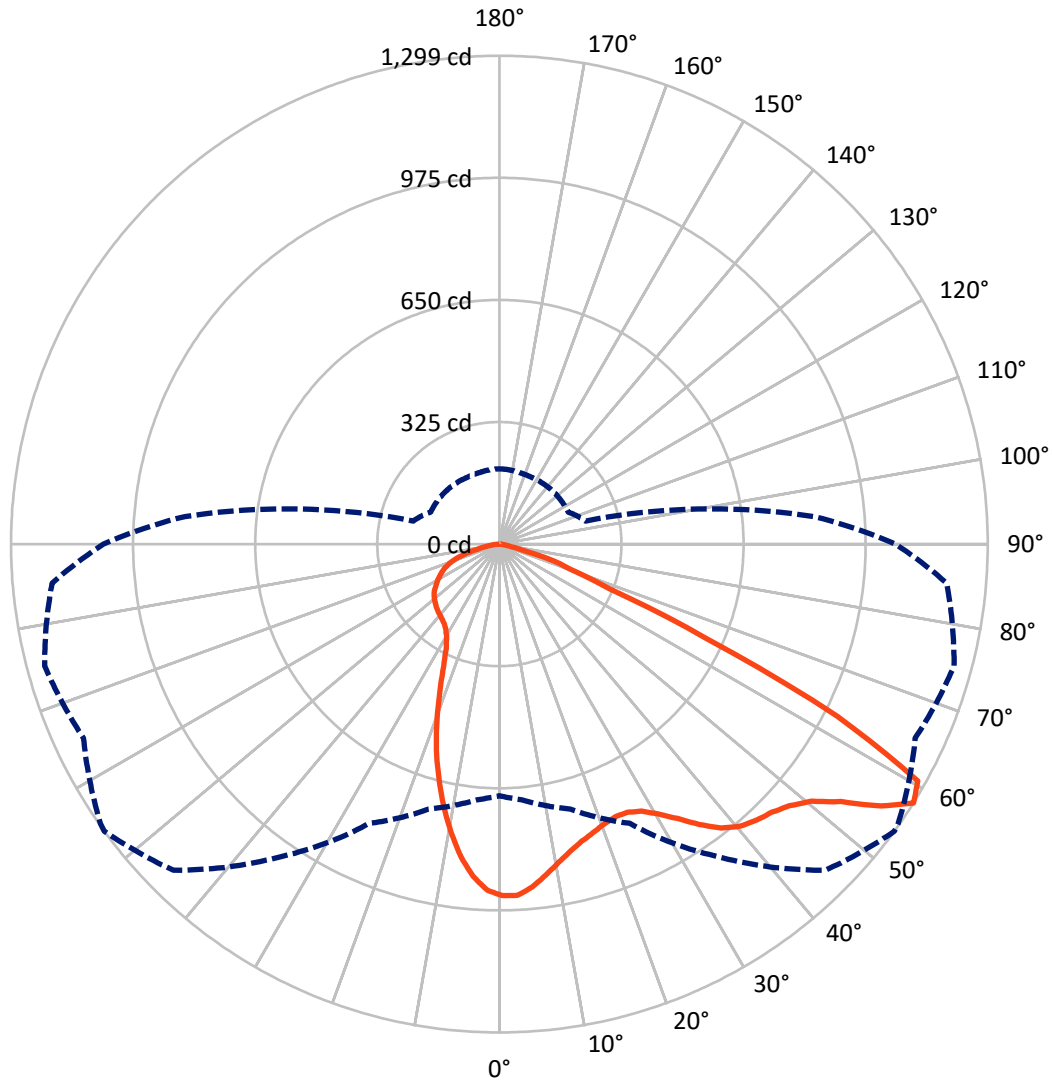
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	708.2	0.0	708.2
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	1727.9	0.0	1727.9
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	2436.1	0.0	2436.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.2	3.4
10°-20°	196.2	8.1
20°-30°	271.5	11.1
30°-40°	377.2	15.5
40°-50°	498.2	20.4
50°-60°	592.0	24.3
60°-70°	328.0	13.5
70°-80°	81.7	3.4
80°-90°	9.3	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°	2436.1	100.0
0°-180°	2436.1	100.0

**Coefficient of Utilization**



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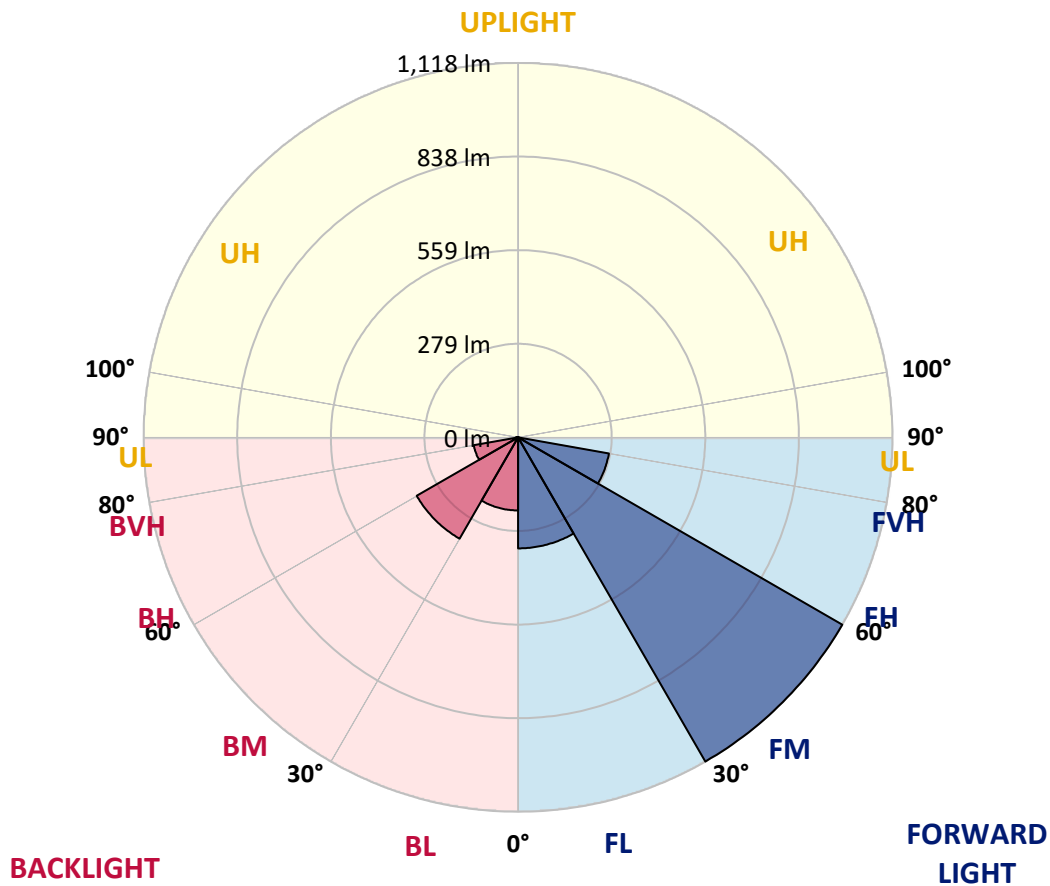
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.6	13.6			
FM (30°-60°)	1118.0	45.9			
FH (60°-80°)	275.4	11.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	218.2	9.0	B1/500		
BM (30°-60°)	349.4	14.3	B1/1000		
BH (60°-80°)	134.2	5.5	B1/500		G1/500
BVH (80°-90°)	6.4	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°	54°	55°	65°	75°	85°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	917.8	919.6	920.9	925.3	929.0	932.4	935.9	935.9	935.7	935.1	933.8
5°	881.5	883.6	886.5	892.5	900.7	906.5	916.1	916.9	921.1	922.8	921.9
7.5°	839.3	840.0	843.7	851.7	864.6	875.0	888.8	890.4	900.4	906.3	905.2
10°	793.3	791.2	797.9	809.5	826.4	843.9	861.7	863.1	879.2	890.2	889.4
12.5°	751.1	751.3	758.0	772.2	793.3	815.0	838.7	842.1	861.9	876.1	874.6
15°	715.9	716.7	724.9	740.9	764.9	790.8	820.4	823.5	848.5	867.3	863.1
17.5°	687.7	688.6	695.7	714.0	739.7	770.9	807.0	810.2	841.2	863.5	855.0
20°	668.4	667.9	674.8	692.3	718.8	752.8	795.3	799.9	838.9	865.0	849.6
22.5°	660.4	660.2	665.2	679.6	704.4	738.8	788.3	794.5	841.4	871.5	846.2
25°	664.4	663.6	667.9	678.6	698.4	733.4	790.3	797.0	852.1	884.8	846.9
27.5°	676.7	675.6	679.4	689.0	704.0	739.0	804.9	812.7	874.6	909.2	855.2
30°	695.5	694.8	698.6	707.8	720.9	757.8	832.9	841.6	909.4	947.2	873.3
32.5°	717.4	716.3	723.0	733.6	748.8	792.0	870.4	881.9	950.7	996.0	903.8
35°	742.0	741.1	750.3	765.7	787.6	839.6	915.9	928.4	992.8	1051.2	944.2
37.5°	765.9	765.9	783.7	806.6	834.1	891.3	958.6	966.6	1022.0	1100.2	987.6
40°	787.2	788.5	815.2	849.6	884.6	938.0	986.8	993.5	1035.0	1134.0	1025.4
42.5°	810.8	811.8	842.9	887.9	929.6	975.7	1003.9	1007.2	1037.5	1150.9	1052.1
45°	829.5	831.0	869.6	917.8	968.8	1004.1	1017.4	1020.4	1041.0	1160.1	1071.4
47.5°	839.3	841.4	885.6	941.7	995.3	1029.5	1039.7	1041.0	1055.6	1176.1	1094.8
50°	837.7	841.9	891.7	953.6	1014.9	1055.2	1075.6	1077.7	1085.4	1199.7	1122.1
52.5°	852.5	854.4	904.6	967.8	1042.9	1102.5	1138.0	1140.9	1137.3	1217.4	1138.4
55°	827.9	836.8	888.6	965.7	1085.4	1175.7	1230.3	1228.9	1184.5	1237.2	1165.5
57.5°	669.6	682.7	730.1	819.7	1015.4	1227.0	1299.4	1295.8	1221.0	1252.5	1194.9
60°	463.6	465.7	508.4	572.0	783.7	1084.0	1279.1	1286.9	1227.6	1233.3	1140.5
62.5°	370.8	370.1	374.1	375.8	498.4	762.0	1009.7	1037.9	1019.9	960.9	808.3
65°	316.6	318.8	330.5	324.5	325.3	429.2	603.3	607.3	594.7	573.5	427.5
67.5°	247.7	251.7	272.3	295.9	288.4	276.3	313.0	311.1	245.2	189.8	156.8
70°	155.1	157.7	179.8	232.3	251.1	226.9	201.2	200.4	131.4	108.0	118.4
72.5°	90.5	90.9	97.2	129.5	166.6	155.1	148.1	142.6	84.5	86.1	94.5
75°	49.8	49.8	49.6	55.9	65.7	58.2	56.3	54.8	56.5	64.0	70.3
77.5°	10.4	10.6	11.3	14.8	19.2	23.4	29.4	29.6	36.9	42.7	47.8
80°	4.8	5.0	6.3	7.9	10.2	13.6	17.9	18.1	22.3	26.9	30.2
82.5°	2.5	2.7	3.3	4.2	5.4	7.1	10.0	10.0	13.3	15.8	17.9
85°	0.8	0.8	1.3	1.7	2.3	2.9	4.0	4.0	5.8	7.7	9.0
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.3	2.1
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°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	931.1	924.6	924.8	926.1	922.1	916.1	912.1	907.1	904.0	903.4	905.7
5°	917.8	910.3	905.0	899.6	888.4	875.0	864.6	856.0	850.4	848.3	845.8
7.5°	899.4	889.6	876.5	861.2	840.8	817.0	800.4	784.7	773.9	770.7	769.3
10°	881.1	866.9	843.5	815.2	781.2	749.1	718.8	695.7	677.3	666.9	670.2
12.5°	862.1	844.6	808.1	764.5	717.1	668.8	629.1	590.8	561.2	546.4	542.0
15°	845.4	821.6	770.7	711.7	648.7	587.9	530.5	473.0	435.4	415.0	409.4
17.5°	831.2	800.4	731.3	657.9	582.6	495.9	425.4	372.0	346.4	335.1	334.3
20°	817.2	779.5	692.3	600.0	506.3	409.1	346.2	321.1	312.0	308.0	307.8
22.5°	804.7	757.6	651.3	542.0	430.4	343.9	309.3	298.4	295.9	295.9	295.5
25°	794.1	735.7	609.1	480.5	361.8	306.1	290.1	285.5	286.5	288.4	288.6
27.5°	789.7	718.6	568.5	417.3	314.5	284.2	276.9	276.3	279.2	282.1	282.6
30°	794.3	706.9	526.8	356.8	286.1	270.9	267.5	268.8	272.3	275.3	275.3
32.5°	808.5	701.1	484.2	312.6	269.6	261.5	260.5	261.7	264.4	266.1	266.3
35°	832.5	703.4	440.2	282.8	259.0	254.6	254.4	255.2	256.3	257.3	257.5
37.5°	862.7	713.6	393.1	265.5	252.1	249.6	249.2	249.0	249.2	249.2	249.4
40°	892.3	729.0	351.0	255.2	247.3	245.2	244.2	242.7	242.5	242.1	241.9
42.5°	914.2	740.9	317.4	247.9	242.9	240.4	239.2	236.9	236.7	236.5	236.3
45°	930.7	750.9	289.4	240.9	238.4	236.1	233.3	231.3	231.7	232.1	232.1
47.5°	949.2	759.7	269.0	234.2	232.7	230.4	227.1	225.6	227.1	228.6	228.6
50°	971.8	772.0	252.3	227.5	226.9	224.2	221.3	220.6	222.3	224.4	224.4
52.5°	988.2	782.6	240.4	220.8	220.8	217.3	214.8	214.6	216.5	218.5	218.8
55°	1019.1	807.4	236.3	213.1	212.3	209.6	207.7	206.2	208.5	210.4	210.4
57.5°	1053.9	840.4	237.3	202.1	201.0	200.2	198.7	197.1	197.7	199.8	200.0
60°	980.1	776.6	225.8	191.0	190.4	190.0	188.1	185.2	186.0	187.7	187.9
62.5°	684.6	516.1	182.7	177.3	179.3	179.1	176.6	173.3	173.5	175.8	175.8
65°	355.3	279.2	160.4	164.7	167.9	166.6	162.4	159.5	159.1	162.0	161.4
67.5°	153.3	152.4	146.0	151.6	154.9	152.2	147.9	143.1	143.5	144.5	143.7
70°	123.5	127.2	129.9	136.0	138.7	133.7	128.9	126.2	123.9	123.7	122.2
72.5°	98.6	103.8	109.9	116.2	117.0	112.0	105.9	103.4	99.9	99.7	98.2
75°	74.2	78.6	83.4	88.4	88.4	83.6	79.7	78.4	74.2	73.0	71.7
77.5°	50.7	53.4	57.1	58.4	59.6	57.8	53.8	51.7	46.9	45.7	44.0
80°	31.9	33.8	36.1	36.9	38.2	35.9	32.7	30.4	27.1	26.1	25.2
82.5°	19.2	20.4	21.9	22.3	23.4	21.7	18.8	17.1	15.2	14.4	13.8
85°	9.8	10.4	11.3	11.5	11.3	9.6	8.5	7.7	6.5	6.3	5.8
87.5°	2.5	2.9	3.1	2.9	2.7	2.1	1.5	1.0	0.4	0.4	0.2
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)