

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: P629449

Luminaire Tested: GWS-SA1B-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3187.6 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

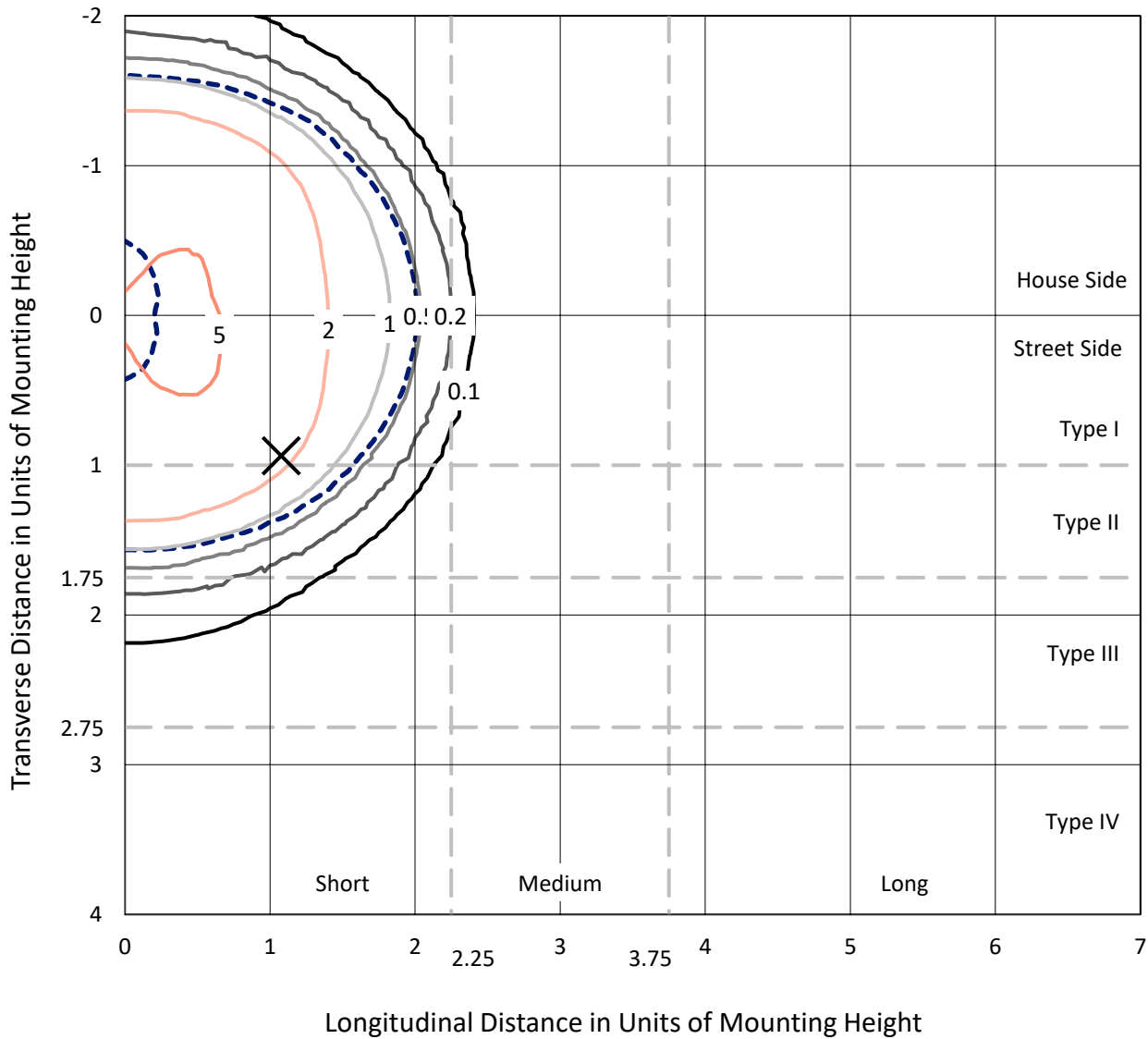
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

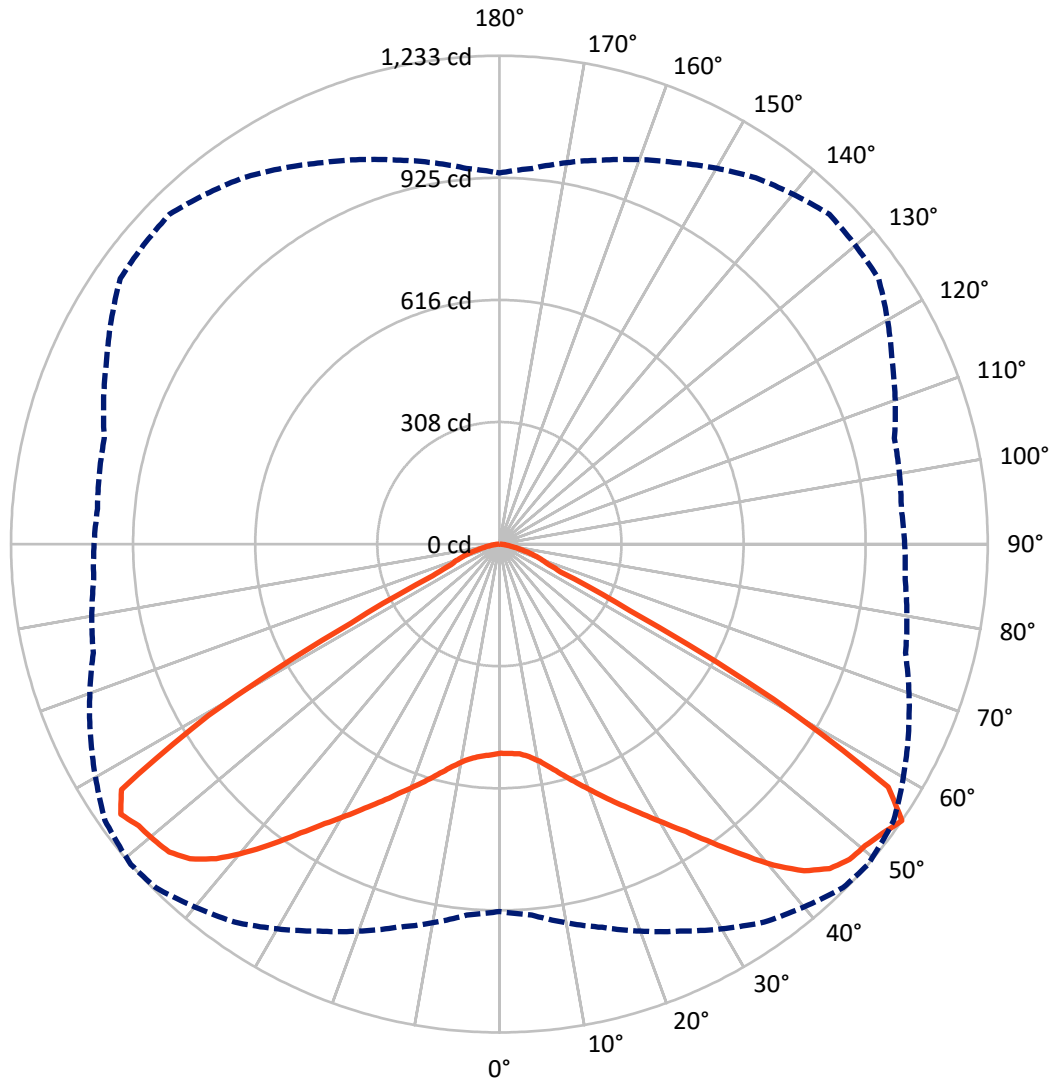
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1578.2	0.0	1578.2
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1609.4	0.0	1609.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	3187.6	0.0	3187.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	1.6
10°-20°	169.9	5.3
20°-30°	323.6	10.2
30°-40°	548.6	17.2
40°-50°	825.6	25.9
50°-60°	903.7	28.4
60°-70°	285.8	9.0
70°-80°	68.6	2.2
80°-90°	10.3	0.3
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°	3187.6	100.0
0°-180°	3187.6	100.0

Coefficient of Utilization



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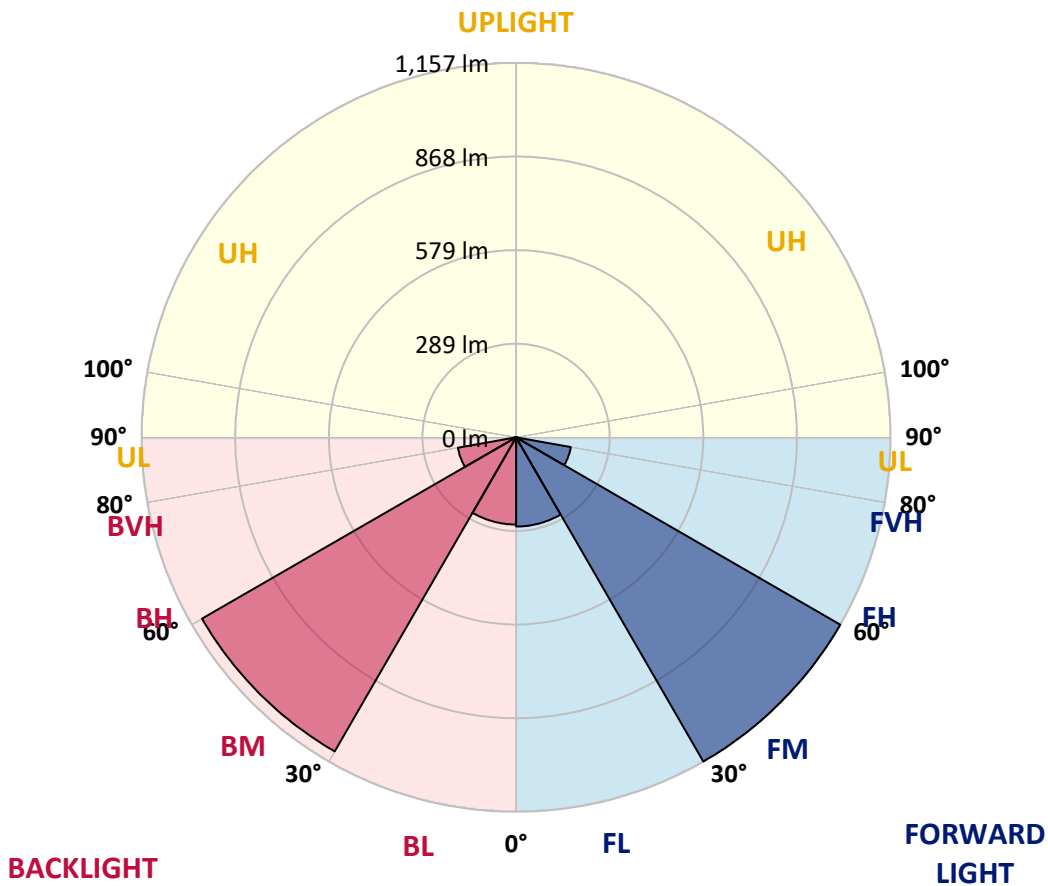
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.6	8.6			
FM (30°-60°)	1157.2	36.3			
FH (60°-80°)	171.9	5.4			G0/660
FVH (80°-90°)	4.8	0.1			G0/10
BL (0°-30°)	269.4	8.5	B1/500		
BM (30°-60°)	1120.7	35.2	B2/2500		
BH (60°-80°)	182.5	5.7	B1/500		G0/660
BVH (80°-90°)	5.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0
2.5°	520.3	520.8	521.8	523.6	525.5	528.0	529.1	530.4	530.1	531.7	531.7
5°	517.7	518.5	520.0	522.6	525.7	530.6	531.9	535.0	538.2	542.0	543.3
7.5°	520.8	521.8	523.6	527.8	532.5	538.9	541.5	546.7	552.7	559.7	562.5
10°	526.7	528.0	531.2	537.9	545.4	555.3	557.6	564.1	573.7	583.3	589.0
12.5°	533.5	535.6	541.3	551.9	563.0	576.0	579.6	587.7	598.0	610.5	618.3
15°	541.3	543.1	551.9	566.9	584.3	601.4	605.6	613.3	625.0	637.2	648.1
17.5°	557.6	560.7	571.1	588.4	608.7	628.9	633.6	642.4	651.7	661.3	671.7
20°	579.9	582.5	595.7	617.2	641.1	659.5	664.1	671.9	676.3	681.2	690.1
22.5°	602.2	605.8	620.8	646.3	674.2	694.2	697.8	705.1	702.0	700.4	706.1
25°	629.9	634.8	649.6	677.4	705.9	730.5	733.4	739.6	734.4	726.4	726.1
27.5°	664.4	668.8	684.1	712.6	740.9	766.5	772.0	780.3	768.9	759.0	752.0
30°	705.4	708.2	725.1	755.4	784.4	808.8	815.8	824.1	815.5	799.2	792.2
32.5°	753.1	756.9	776.4	808.3	834.2	858.6	865.6	875.9	866.6	848.2	839.4
35°	810.3	814.2	834.7	869.4	895.9	921.0	926.0	934.5	922.8	901.6	894.6
37.5°	872.6	877.5	903.4	936.3	964.1	993.4	993.6	996.2	979.6	953.2	945.4
40°	942.5	949.0	975.0	1009.2	1042.6	1066.5	1066.2	1058.9	1030.9	990.0	978.1
42.5°	1011.8	1016.9	1043.1	1078.4	1111.8	1134.4	1127.6	1110.0	1069.6	1013.8	998.0
45°	1061.8	1065.7	1093.2	1132.8	1166.8	1180.8	1168.6	1147.3	1092.6	1028.9	1005.5
47.5°	1085.4	1090.6	1118.3	1157.7	1196.1	1204.1	1189.6	1169.6	1106.1	1042.9	1011.5
50°	1072.7	1079.4	1110.8	1147.3	1190.6	1207.2	1196.9	1176.9	1120.4	1056.6	1022.1
52.5°	1039.8	1046.2	1085.9	1130.2	1179.2	1212.1	1211.9	1195.6	1136.7	1060.5	1022.7
55°	927.3	940.0	1001.7	1078.1	1165.2	1226.7	1232.9	1215.5	1139.3	1061.5	1028.1
57.5°	603.5	625.8	684.4	783.9	958.6	1115.7	1157.7	1161.9	1120.6	1057.1	1029.1
60°	252.0	269.9	316.3	382.4	526.7	713.7	795.0	876.7	975.2	1011.0	1019.5
62.5°	156.6	158.1	162.8	177.8	226.0	317.3	369.7	446.1	592.6	717.3	774.8
65°	141.3	142.1	143.1	142.1	144.4	155.5	169.5	196.2	255.9	317.8	391.4
67.5°	124.4	125.5	126.2	125.5	126.2	126.8	128.3	130.7	141.5	150.4	157.1
70°	100.6	102.1	103.4	102.9	106.0	106.0	107.6	109.4	114.8	121.3	126.0
72.5°	76.7	75.4	77.0	77.5	80.4	81.9	84.2	86.3	92.5	96.4	102.4
75°	49.8	48.5	50.8	52.1	56.0	58.1	60.1	62.2	66.6	69.2	74.9
77.5°	27.0	26.7	29.0	30.8	35.0	37.6	39.1	40.7	44.3	45.1	48.7
80°	15.6	15.6	17.1	18.4	21.0	23.8	25.4	26.7	29.3	30.1	31.6
82.5°	8.6	8.6	9.3	10.1	12.2	13.7	15.0	16.1	18.4	19.2	20.0
85°	4.1	3.9	4.4	4.9	5.7	6.5	7.3	7.8	9.6	10.1	11.1
87.5°	0.5	0.5	0.5	0.8	1.0	1.6	1.8	1.8	2.9	3.4	3.9
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°	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0
2.5°	533.2	529.9	531.9	532.7	532.7	531.9	528.6	527.5	526.0	523.6	523.6
5°	545.2	542.6	543.1	541.8	538.7	534.8	528.6	525.5	522.9	520.0	519.8
7.5°	565.6	562.3	561.7	556.8	548.5	540.2	530.9	525.2	521.3	517.7	517.4
10°	592.3	589.2	585.3	575.5	563.3	551.1	538.4	530.6	524.9	519.8	519.5
12.5°	622.1	618.5	611.3	596.7	581.4	569.5	555.0	543.1	534.5	527.5	526.2
15°	654.5	649.4	636.9	619.8	604.8	592.1	576.5	559.4	546.5	535.3	534.0
17.5°	679.4	672.7	659.2	643.1	630.7	618.0	597.8	576.3	557.6	543.6	541.5
20°	696.5	691.1	675.8	663.9	656.6	645.5	621.9	597.5	576.5	558.9	557.9
22.5°	712.4	705.9	690.8	683.8	683.8	676.3	653.8	625.0	600.4	579.9	577.3
25°	730.2	723.2	711.8	711.1	714.7	711.3	684.1	653.3	624.5	601.4	597.3
27.5°	755.1	747.4	740.6	745.3	750.5	746.8	716.5	680.7	650.4	627.1	623.4
30°	794.8	785.2	779.0	784.7	794.8	784.2	751.2	713.4	682.8	657.1	655.3
32.5°	840.9	830.0	823.6	832.6	841.7	825.1	792.5	756.2	724.0	697.1	694.0
35°	896.4	882.7	873.1	885.3	894.6	878.3	845.9	811.4	775.6	747.6	743.5
37.5°	945.7	929.1	922.6	939.7	952.1	941.5	906.3	873.9	834.7	804.1	802.3
40°	981.4	965.1	960.4	988.7	1010.5	1007.9	976.2	939.2	902.4	867.1	863.7
42.5°	997.0	985.6	986.6	1024.7	1058.4	1075.0	1046.8	1007.1	971.6	935.0	932.7
45°	1000.4	993.4	1001.7	1049.4	1093.7	1127.6	1103.5	1070.3	1030.2	994.9	993.9
47.5°	1004.0	1000.1	1012.8	1063.3	1116.0	1155.4	1141.9	1107.7	1067.0	1032.5	1029.9
50°	1012.5	1011.0	1025.2	1073.2	1126.6	1162.9	1147.6	1113.6	1071.9	1037.9	1031.7
52.5°	1015.1	1012.5	1033.0	1088.5	1144.2	1162.6	1129.7	1085.4	1043.4	1005.5	999.1
55°	1023.2	1018.5	1032.5	1094.2	1168.6	1177.7	1128.7	1062.3	1003.7	952.1	936.8
57.5°	1025.2	1020.1	1029.1	1084.9	1142.2	1134.1	992.1	857.3	746.8	689.5	696.0
60°	1014.1	1015.7	1000.1	993.9	916.1	808.8	607.4	485.5	381.3	337.3	346.8
62.5°	772.0	778.5	725.3	630.7	485.0	384.4	254.3	197.5	167.2	159.4	160.7
65°	389.6	398.4	343.2	283.9	211.0	170.6	147.5	142.8	141.3	139.5	139.5
67.5°	154.2	156.8	154.8	144.9	134.8	131.2	130.1	129.6	127.8	126.8	127.0
70°	123.9	126.0	122.9	116.7	112.5	112.2	111.7	110.7	109.4	109.4	110.2
72.5°	101.1	103.2	98.8	94.9	91.8	89.4	88.1	87.4	85.5	85.5	86.3
75°	74.4	75.7	72.1	71.5	68.2	65.8	63.8	62.7	60.4	59.4	60.1
77.5°	49.5	49.3	47.4	47.4	46.1	43.3	41.0	38.6	35.5	33.4	34.0
80°	32.1	32.1	31.4	31.4	30.1	27.7	24.9	22.6	20.7	19.2	19.2
82.5°	20.5	20.2	20.0	19.7	19.2	16.8	14.8	13.2	11.9	10.9	11.1
85°	11.4	11.4	10.9	10.9	9.9	8.6	7.5	6.5	5.7	5.4	5.4
87.5°	3.9	3.9	3.6	3.6	3.1	2.3	1.8	1.6	1.3	1.0	1.3
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)