

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: P630112

Luminaire Tested: GWS-SA1D-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4389.2 lumens
Efficiency: N/A
Efficacy: 99.1 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

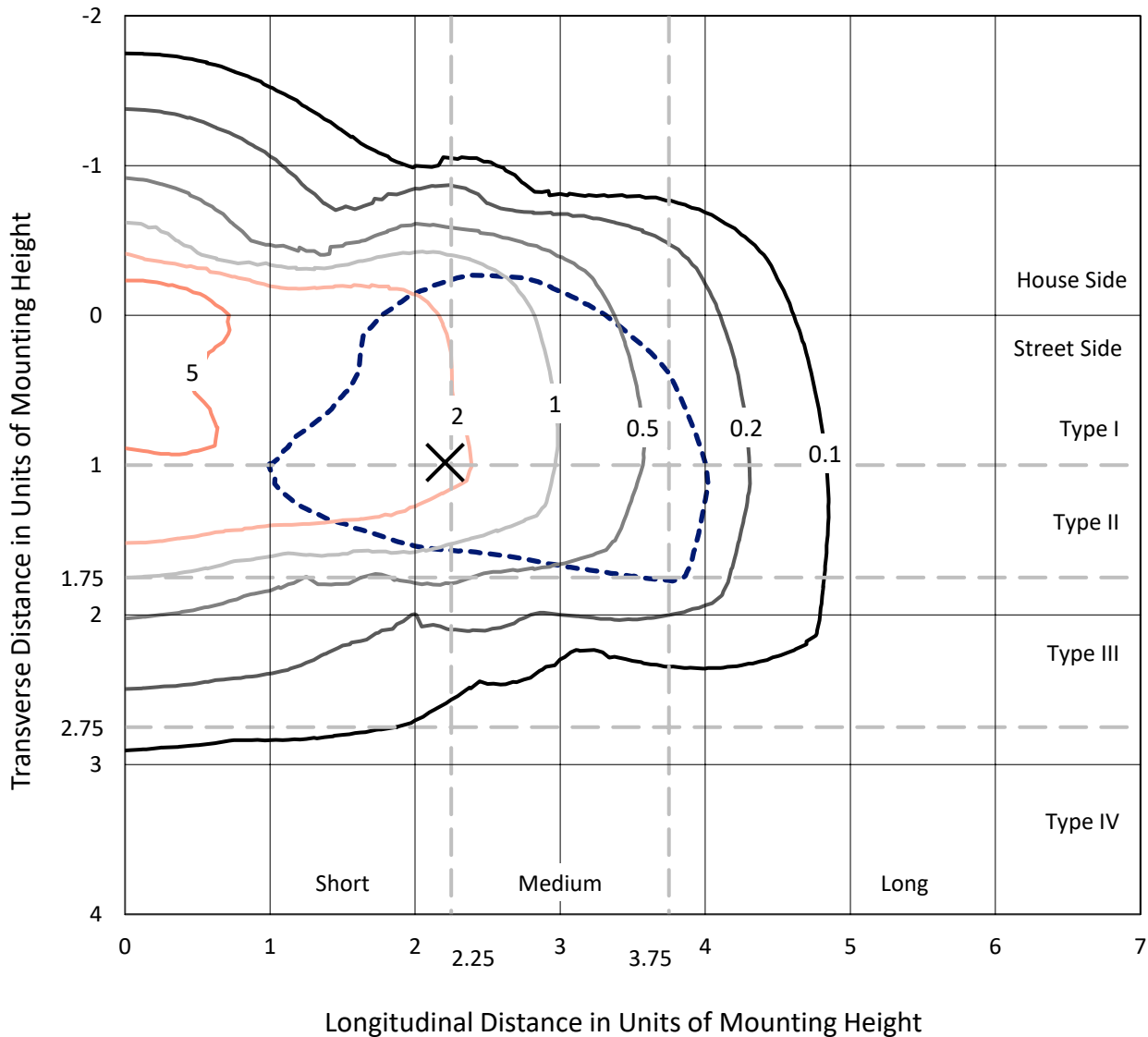
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

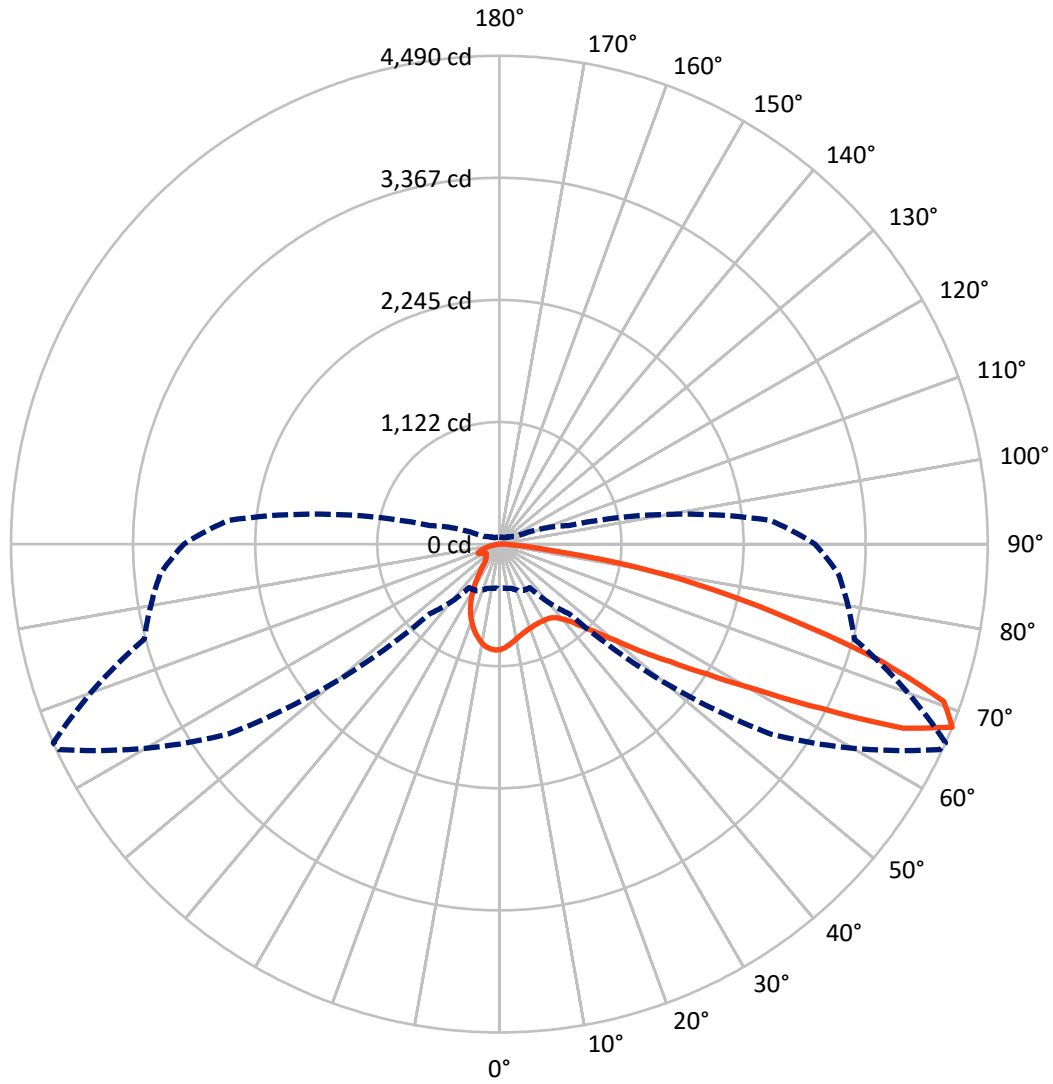
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	890.7	0.0	890.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	3498.5	0.0	3498.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	4389.2	0.0	4389.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	1.9
10°-20°	209.2	4.8
20°-30°	287.5	6.6
30°-40°	393.1	9.0
40°-50°	595.7	13.6
50°-60°	926.0	21.1
60°-70°	1127.4	25.7
70°-80°	686.7	15.6
80°-90°	78.4	1.8
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°	4389.2	100.0
0°-180°	4389.2	100.0

Coefficient of Utilization



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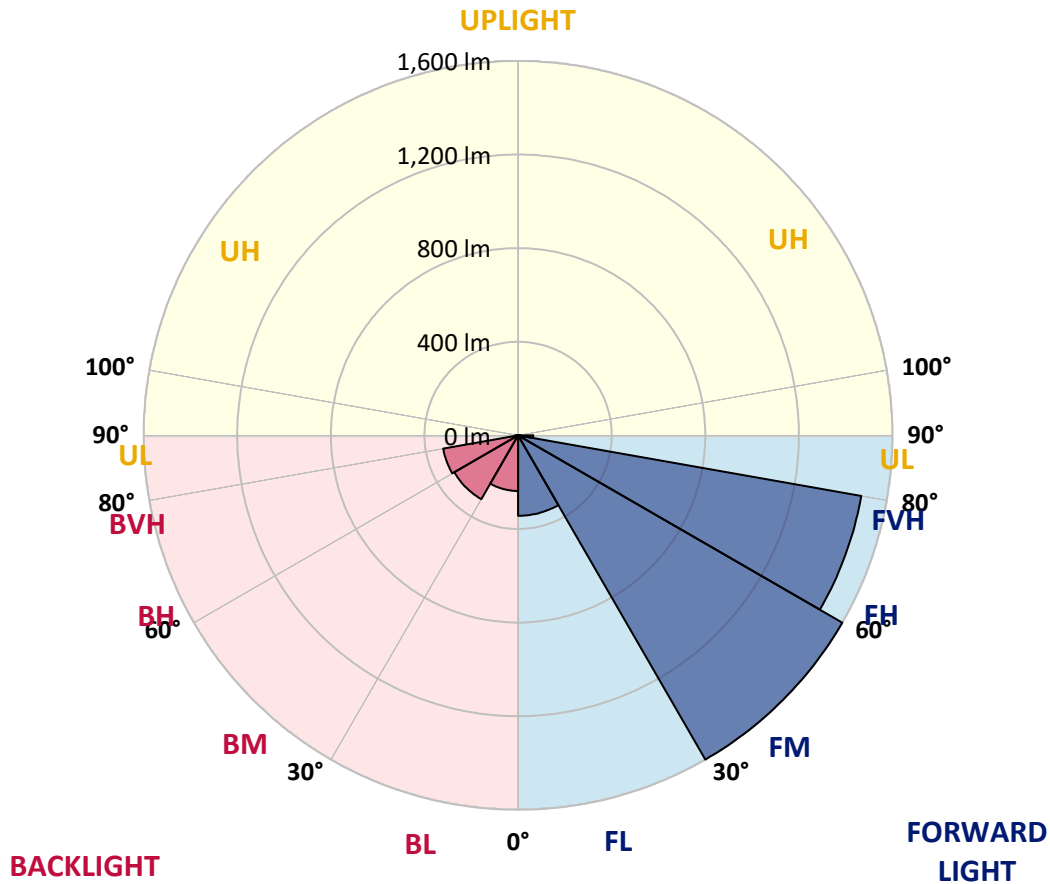
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.9	7.8			
FM (30°-60°)	1600.0	36.5			
FH (60°-80°)	1489.4	33.9			G1/1800
FVH (80°-90°)	65.2	1.5			G1/100
BL (0°-30°)	237.9	5.4	B1/500		
BM (30°-60°)	314.7	7.2	B1/1000		
BH (60°-80°)	324.8	7.4	B1/500		G1/500
BVH (80°-90°)	13.2	0.3			G1/100
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°	55°	65°	66°	75°	85°
0°	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9
2.5°	908.4	911.6	909.7	921.9	922.5	937.9	946.5	953.9	954.5	964.1	970.5
5°	846.3	848.2	848.2	859.7	867.4	887.9	907.8	928.9	930.5	953.6	971.2
7.5°	796.0	797.9	796.7	812.0	822.0	844.7	870.0	902.3	905.5	942.7	973.4
10°	756.6	756.0	759.2	773.3	786.1	813.3	841.5	878.3	883.1	930.2	976.0
12.5°	729.7	730.4	732.3	747.0	760.8	787.7	816.8	856.9	862.0	915.8	974.7
15°	716.9	715.6	717.3	730.7	743.8	767.5	797.6	838.9	844.0	903.0	975.0
17.5°	714.0	713.1	712.8	722.4	732.3	754.4	783.2	825.2	830.6	894.6	976.9
20°	723.0	721.7	718.2	722.4	726.5	745.1	773.0	815.2	821.3	889.2	980.8
22.5°	747.7	745.4	740.0	734.9	729.4	740.6	766.6	807.9	814.0	885.7	984.6
25°	785.1	783.2	777.4	765.9	746.1	744.1	765.3	804.7	810.7	883.1	986.2
27.5°	836.7	833.8	828.0	811.4	779.0	757.3	770.1	804.3	810.1	880.2	984.6
30°	897.8	895.9	892.7	872.5	829.3	785.1	781.0	806.9	811.4	878.6	981.4
32.5°	960.0	958.0	960.6	951.0	897.8	831.2	804.7	814.0	817.2	878.3	978.5
35°	1014.7	1017.0	1035.5	1037.1	984.9	893.7	842.1	830.3	830.9	884.7	979.8
37.5°	1072.0	1080.7	1105.0	1125.8	1082.3	976.3	897.8	861.0	860.4	901.0	987.8
40°	1147.9	1151.8	1182.8	1221.9	1194.7	1089.6	976.9	911.3	906.8	934.3	1009.3
42.5°	1221.9	1231.2	1280.8	1325.6	1316.7	1217.4	1076.5	986.5	978.5	993.3	1053.5
45°	1316.0	1325.0	1380.7	1438.3	1454.7	1361.8	1204.0	1093.5	1085.5	1082.0	1134.5
47.5°	1410.2	1419.5	1469.4	1552.7	1610.0	1542.4	1369.8	1234.7	1221.6	1207.8	1256.8
50°	1473.6	1484.5	1532.2	1632.1	1766.5	1767.8	1566.4	1419.8	1403.1	1381.3	1429.1
52.5°	1471.3	1478.4	1523.8	1639.1	1879.3	2026.9	1829.6	1655.4	1642.0	1594.6	1636.2
55°	1355.7	1366.3	1412.1	1556.2	1891.4	2272.5	2216.4	1933.4	1909.4	1824.5	1870.3
57.5°	1123.6	1132.6	1178.7	1356.4	1783.5	2398.3	2707.6	2287.5	2254.5	2074.9	2127.7
60°	848.2	837.3	859.1	1014.7	1525.4	2401.5	3141.2	2767.8	2712.7	2342.6	2386.8
62.5°	636.6	625.7	630.5	674.3	1034.2	2207.5	3388.4	3424.9	3333.9	2644.9	2636.2
65°	503.0	497.0	510.7	540.8	602.9	1681.1	3390.3	4135.4	4078.1	2995.2	2892.1
67.5°	409.9	406.0	420.1	475.8	488.9	903.3	3040.0	4467.1	4489.5	3378.8	3129.3
70°	330.1	324.4	346.5	419.8	454.7	546.6	2177.7	4298.1	4334.2	3607.4	3062.4
72.5°	228.0	228.3	239.5	340.1	439.0	472.0	1231.8	3578.9	3657.3	3400.2	2692.2
75°	153.7	155.0	158.2	224.5	404.4	457.9	656.4	2709.5	2764.9	2810.4	2225.4
77.5°	92.9	93.5	100.9	135.8	278.9	427.5	444.8	1964.1	2007.7	1852.7	1379.4
80°	53.8	56.0	62.8	90.9	188.3	321.2	344.2	1204.3	1253.6	823.6	438.4
82.5°	23.7	25.3	34.3	52.8	109.8	273.1	268.6	475.8	468.8	229.6	152.1
85°	4.2	5.1	7.4	16.7	40.3	144.1	208.5	210.1	197.6	87.1	63.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	31.4	56.4	56.0	24.7	21.8
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°	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9	969.9
2.5°	974.7	966.0	973.7	974.7	973.1	971.8	962.2	953.9	952.9	944.0	944.0
5°	978.2	970.2	974.1	966.7	955.2	943.3	922.8	908.7	902.3	890.8	890.8
7.5°	983.0	974.7	970.2	952.0	925.1	899.1	866.1	838.6	827.4	811.1	810.4
10°	987.5	976.9	961.6	926.0	883.1	841.8	793.8	754.7	728.1	708.6	708.6
12.5°	987.2	973.4	943.0	890.5	831.2	771.4	707.3	648.4	613.2	582.8	580.8
15°	986.5	967.6	919.3	849.2	770.7	687.8	600.7	523.8	471.7	441.9	439.3
17.5°	985.9	960.3	892.7	802.1	697.1	584.0	469.1	385.8	342.3	324.0	324.7
20°	985.9	952.0	864.2	748.0	612.2	459.8	344.2	283.7	272.8	273.8	274.7
22.5°	983.0	941.7	832.5	689.1	517.8	338.1	253.9	233.4	239.2	248.2	249.4
25°	976.3	924.7	795.7	623.8	405.4	246.2	207.2	203.3	213.9	225.1	228.3
27.5°	965.7	905.2	754.4	547.2	298.4	197.9	182.2	181.9	190.2	198.5	201.4
30°	954.5	883.4	710.8	462.0	216.1	172.3	166.2	166.2	170.3	175.5	174.8
32.5°	941.4	861.3	664.1	373.4	176.1	157.9	155.9	155.0	155.6	157.5	157.5
35°	930.2	841.8	616.1	279.5	157.9	149.9	147.9	145.7	144.7	143.5	144.1
37.5°	926.0	826.4	566.4	210.7	148.9	144.1	140.9	137.7	135.4	134.8	134.5
40°	932.7	820.0	516.8	173.5	142.5	138.0	134.5	130.3	128.4	128.4	128.4
42.5°	959.0	824.8	466.2	156.9	138.0	132.9	127.8	123.9	123.3	123.9	124.2
45°	1007.0	843.4	413.7	148.6	134.2	127.8	121.7	118.8	118.8	119.4	119.4
47.5°	1092.8	892.1	361.8	143.5	130.3	123.6	117.2	114.3	114.0	114.6	114.6
50°	1241.4	979.8	315.1	139.9	127.4	120.4	114.0	110.1	109.2	108.9	108.9
52.5°	1428.7	1131.9	285.3	137.4	123.9	116.9	110.5	105.3	103.4	102.5	102.5
55°	1655.1	1334.6	285.3	135.4	119.4	112.7	105.3	100.2	97.3	96.1	96.1
57.5°	1911.6	1570.6	334.6	133.8	115.9	107.9	99.9	94.8	91.6	89.7	89.7
60°	2172.6	1820.0	456.6	131.6	112.7	101.8	93.8	89.0	84.9	82.6	82.3
62.5°	2443.1	2094.8	617.3	132.9	110.5	96.1	87.4	82.0	78.4	76.2	75.9
65°	2691.0	2356.4	757.9	142.8	110.8	90.9	80.1	75.2	72.4	69.5	69.2
67.5°	2901.3	2500.8	659.3	163.0	117.5	84.9	72.7	67.9	65.3	63.4	63.1
70°	2754.0	2280.5	374.0	175.5	126.8	78.4	64.4	61.2	58.6	57.3	57.0
72.5°	2355.1	1930.8	250.1	155.0	115.6	70.1	56.7	54.1	52.2	50.6	50.3
75°	1907.8	1531.2	191.2	127.1	90.0	57.0	48.7	46.7	44.8	43.2	42.9
77.5°	1128.7	884.7	140.9	100.5	63.4	44.5	40.3	38.7	36.8	35.5	35.2
80°	360.2	307.4	89.3	69.2	41.9	34.3	31.1	29.8	27.9	26.3	25.9
82.5°	137.4	118.8	47.4	35.2	27.9	23.4	20.8	19.5	18.3	16.7	16.3
85°	60.8	57.0	26.3	18.9	15.0	11.5	10.2	9.6	8.0	6.7	6.4
87.5°	21.5	21.5	11.2	5.4	3.2	1.6	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)