

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: P631623

Luminaire Tested: GWS-SA2B-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3732 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

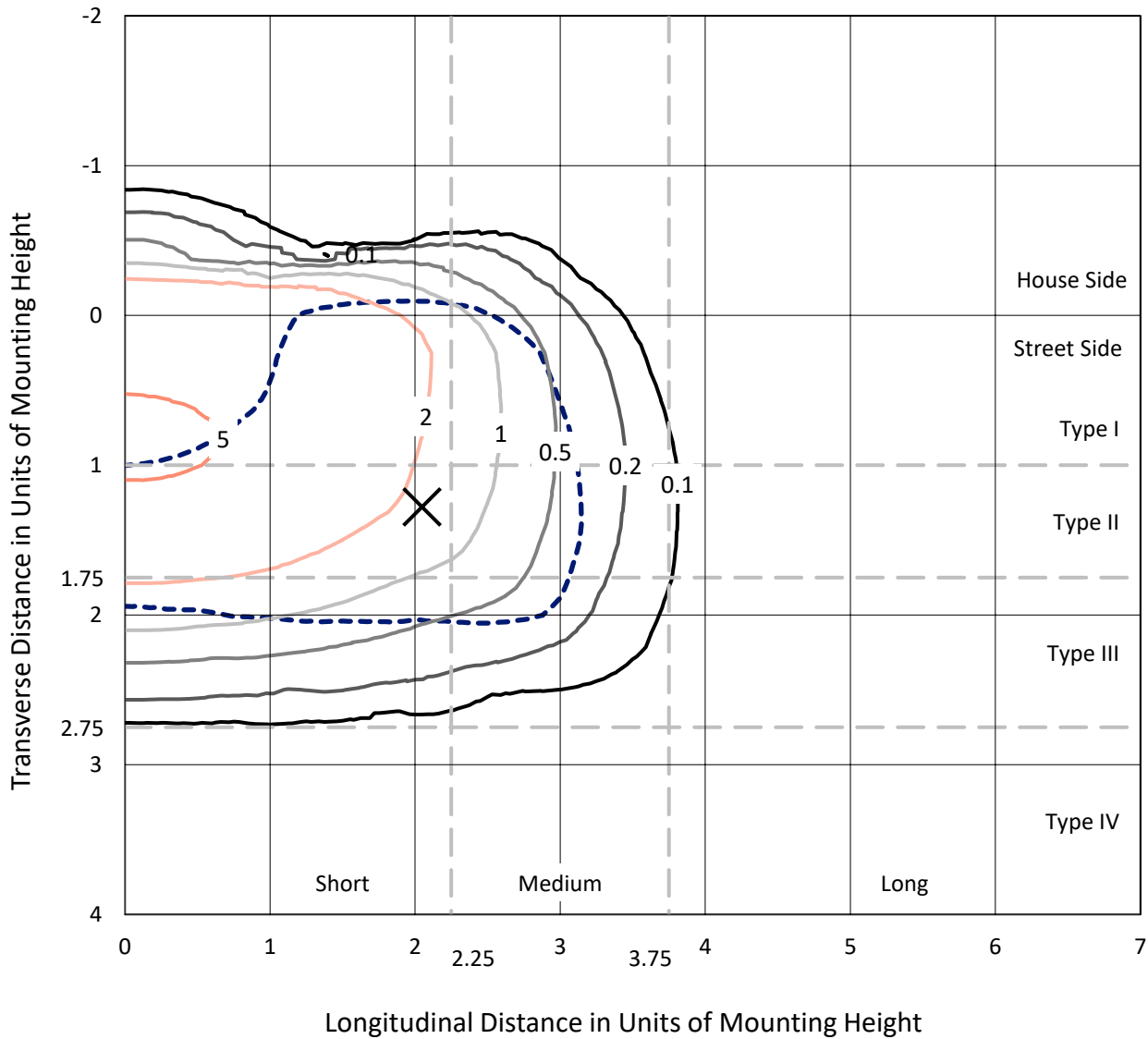
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

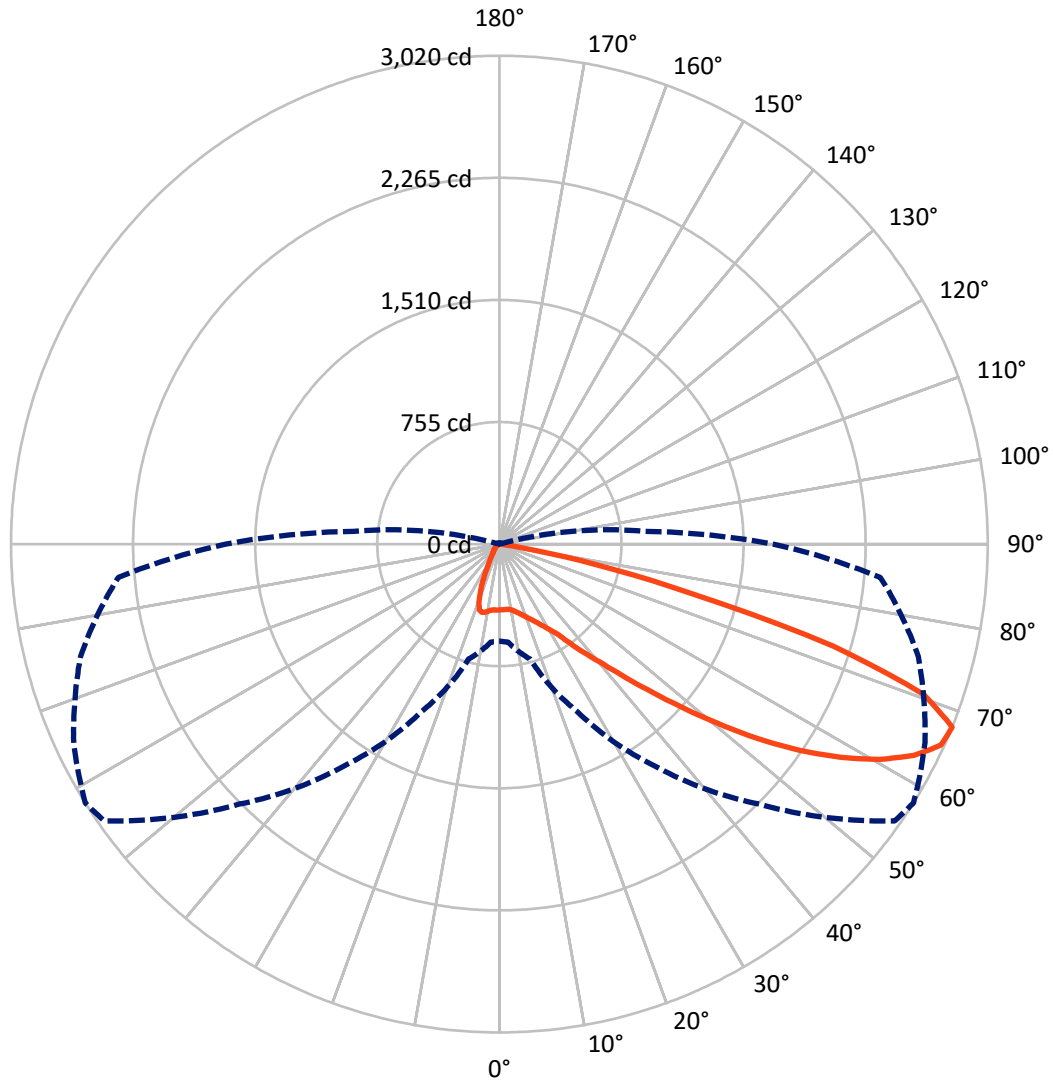
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	407.2	0.0	407.2
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3324.8	0.0	3324.8
	% Fixture	89.1	0.0	89.1
Total	Lumens	3732.0	0.0	3732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	1.0
10°-20°	107.3	2.9
20°-30°	187.2	5.0
30°-40°	334.4	9.0
40°-50°	611.2	16.4
50°-60°	1016.4	27.2
60°-70°	1104.0	29.6
70°-80°	324.1	8.7
80°-90°	9.2	0.2
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°	3732.0	100.0
0°-180°	3732.0	100.0

Coefficient of Utilization



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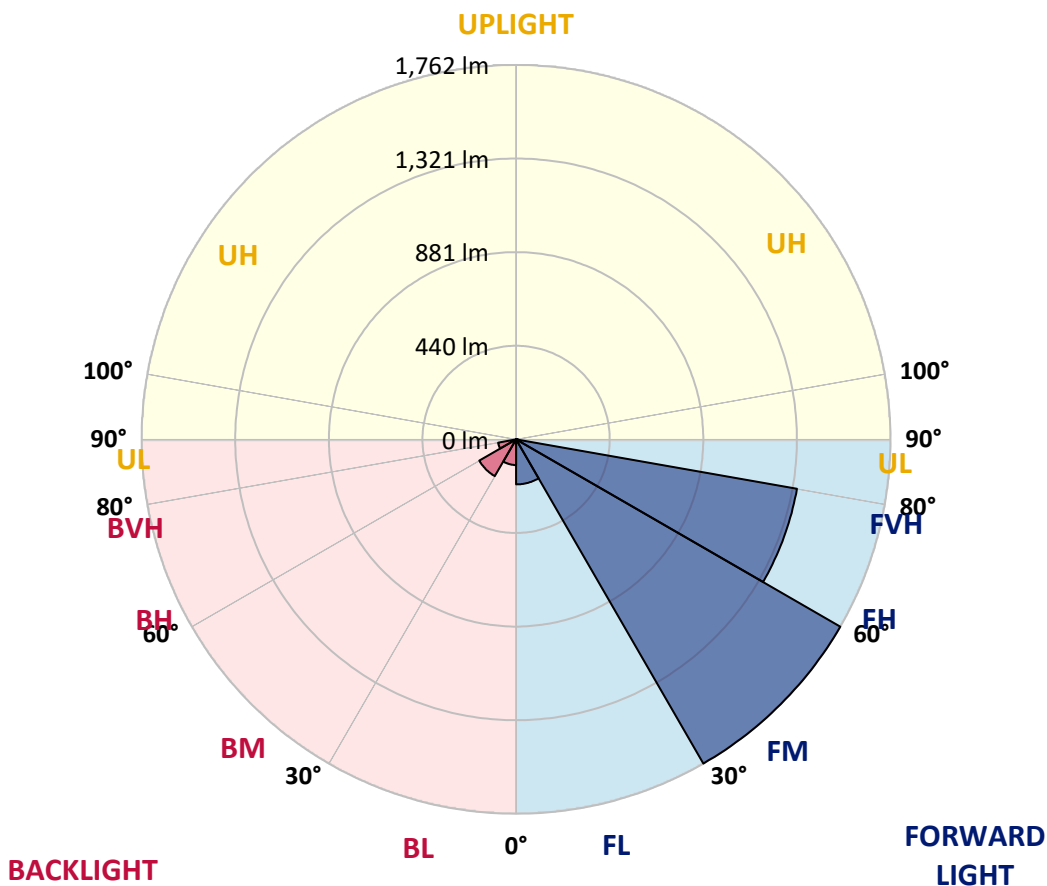
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.9	5.7			
FM (30°-60°)	1762.0	47.2			
FH (60°-80°)	1342.2	36.0			G1/1800
FVH (80°-90°)	8.8	0.2			G0/10
BL (0°-30°)	120.8	3.2	B1/500		
BM (30°-60°)	200.0	5.4	B0/220		
BH (60°-80°)	86.0	2.3	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7
2.5°	399.0	398.3	398.3	401.2	401.6	403.0	406.3	406.7	408.5	407.8	405.2
5°	378.3	378.6	380.8	385.9	390.3	395.7	403.8	405.6	409.6	411.8	410.3
7.5°	358.9	359.3	362.6	370.6	379.0	389.9	403.0	406.7	414.7	420.5	420.9
10°	351.7	351.3	354.6	363.7	374.6	389.9	408.9	413.6	425.6	435.8	437.7
12.5°	353.8	353.5	356.8	365.1	377.2	396.5	419.1	425.6	440.9	456.6	459.9
15°	362.6	362.2	364.4	371.3	384.4	404.5	432.2	442.0	461.3	480.3	485.4
17.5°	388.8	387.0	384.8	385.5	393.2	414.0	448.9	461.0	485.0	507.6	512.0
20°	435.5	430.7	424.9	417.2	413.6	427.8	468.3	482.1	511.3	537.1	537.9
22.5°	505.8	504.0	490.5	468.3	452.6	453.0	490.9	506.9	542.6	571.0	567.0
25°	603.8	602.7	582.0	545.5	504.7	490.9	519.6	536.0	579.8	610.0	597.3
27.5°	725.5	717.9	693.5	644.3	583.4	540.0	556.1	570.7	619.1	647.5	623.5
30°	831.6	831.9	809.0	757.6	689.1	614.0	600.5	613.3	655.2	685.1	655.9
32.5°	933.6	936.9	911.7	865.5	790.4	710.6	664.3	666.5	701.5	733.9	698.6
35°	1028.4	1030.9	1013.4	974.1	904.1	811.5	753.2	752.1	771.1	804.2	758.0
37.5°	1134.4	1136.9	1119.8	1084.5	1018.9	927.0	854.2	852.7	860.4	887.3	834.5
40°	1247.4	1252.1	1233.1	1203.3	1140.6	1063.0	971.5	958.4	950.7	982.4	933.6
42.5°	1361.8	1369.1	1362.5	1332.6	1279.1	1214.9	1123.8	1103.4	1087.0	1126.7	1075.0
45°	1503.9	1512.6	1509.7	1486.8	1445.2	1393.1	1307.1	1283.4	1275.8	1312.6	1251.0
47.5°	1640.6	1650.0	1660.6	1655.5	1626.0	1601.9	1506.5	1493.0	1490.8	1530.1	1434.7
50°	1742.2	1751.0	1791.4	1820.6	1840.6	1835.5	1752.8	1732.7	1729.5	1754.6	1628.5
52.5°	1815.1	1823.5	1879.2	1970.3	2044.0	2084.0	2000.6	1996.2	1978.4	1969.6	1810.0
55°	1871.6	1883.2	1941.9	2079.7	2228.0	2316.9	2264.8	2249.1	2203.2	2152.9	1978.4
57.5°	1882.9	1887.6	1970.3	2156.2	2370.8	2514.8	2514.8	2487.4	2398.9	2329.3	2172.9
60°	1781.6	1796.2	1908.0	2150.0	2432.0	2644.1	2722.1	2703.2	2583.6	2498.0	2360.3
62.5°	1556.7	1573.1	1709.4	2001.7	2370.8	2670.7	2879.2	2876.3	2741.4	2637.6	2515.5
65°	1193.8	1205.8	1324.6	1674.4	2112.1	2568.3	2991.4	2999.4	2866.0	2729.8	2569.1
67.5°	599.8	608.2	736.5	1143.9	1674.1	2273.5	2983.8	3019.5	2903.9	2680.9	2364.6
70°	209.5	217.9	278.4	490.9	1018.9	1736.0	2725.8	2784.1	2681.3	2288.5	1744.4
72.5°	71.8	75.8	115.5	182.2	396.5	1029.1	2072.7	2160.6	1976.5	1536.3	1002.5
75°	40.8	43.4	61.9	98.8	166.2	338.5	1175.9	1229.9	1152.3	837.4	412.5
77.5°	27.7	29.9	38.6	56.1	91.8	109.0	479.6	603.8	526.6	273.3	105.3
80°	16.4	17.9	23.7	33.2	47.0	42.3	102.8	136.7	176.0	81.6	31.7
82.5°	7.7	8.7	15.3	21.9	23.7	17.9	30.2	36.8	49.6	40.1	13.1
85°	0.0	0.0	5.1	9.1	8.7	5.1	8.4	9.1	13.5	20.0	5.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	2.2	4.0	2.2
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°	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7	406.7
2.5°	408.1	405.6	408.5	407.0	408.5	408.1	405.2	403.4	403.4	400.1	399.0
5°	413.2	410.7	411.4	408.1	407.4	405.6	401.9	400.5	400.5	397.2	396.1
7.5°	424.5	420.5	419.8	413.2	410.3	405.2	398.7	396.1	395.7	392.5	391.4
10°	442.4	437.7	434.4	426.0	417.6	407.4	393.6	381.9	375.3	366.6	365.9
12.5°	464.3	458.4	453.3	440.6	426.7	403.8	362.9	320.3	294.1	273.3	274.8
15°	488.7	483.2	475.2	455.9	427.4	367.7	282.4	216.8	184.8	167.6	166.9
17.5°	515.3	507.3	494.1	467.9	404.5	281.0	183.7	129.7	113.0	107.1	105.7
20°	540.0	530.2	513.8	470.4	338.2	190.2	114.8	100.6	97.7	95.8	95.8
22.5°	566.3	553.9	529.5	450.8	251.4	121.7	97.7	94.4	92.2	89.6	89.3
25°	592.9	576.9	543.7	399.4	164.7	95.8	91.5	87.8	83.8	79.8	78.7
27.5°	615.5	594.7	554.6	322.9	105.7	86.4	83.4	77.3	71.8	67.4	66.7
30°	642.4	615.8	559.4	236.1	83.1	76.2	71.8	65.2	58.7	54.3	52.8
32.5°	678.5	649.4	552.1	153.8	73.6	67.1	60.1	52.5	45.9	41.2	40.4
35°	734.6	700.0	518.5	98.0	66.7	57.9	49.6	41.5	36.1	32.4	31.7
37.5°	803.1	771.1	463.5	73.6	59.8	50.3	40.4	32.8	28.8	26.2	25.5
40°	904.8	860.0	395.4	64.5	52.8	42.6	33.2	27.0	24.1	21.9	21.1
42.5°	1036.7	964.9	317.0	58.7	46.3	35.7	27.0	22.2	19.7	18.2	17.9
45°	1190.9	1067.3	234.3	52.8	40.1	29.5	22.2	18.2	16.4	15.3	14.9
47.5°	1348.7	1157.0	161.8	46.6	34.3	24.4	18.6	15.7	14.2	12.8	12.4
50°	1517.0	1232.8	110.4	40.4	29.2	20.0	16.0	14.2	12.4	11.3	10.9
52.5°	1640.6	1260.8	76.9	35.0	24.8	17.1	14.2	12.8	11.3	9.8	9.5
55°	1754.6	1260.1	58.3	29.5	21.1	14.9	12.8	11.3	9.8	8.7	8.4
57.5°	1868.3	1250.3	45.9	25.1	18.2	13.5	11.3	9.8	9.1	7.7	7.3
60°	1941.9	1213.1	35.7	21.1	15.7	11.7	9.8	8.7	7.7	6.6	6.2
62.5°	1980.9	1161.4	27.3	16.8	12.8	10.2	8.7	7.7	6.6	5.5	5.1
65°	1928.1	1069.5	21.5	13.1	9.8	8.7	7.3	6.2	5.1	4.0	3.6
67.5°	1693.8	901.9	16.8	10.6	7.7	6.6	6.2	5.1	3.6	2.9	2.6
70°	1197.1	617.7	13.1	8.0	5.8	5.1	4.7	4.0	2.9	2.2	1.8
72.5°	657.0	311.6	9.5	5.8	4.4	4.0	3.6	3.3	2.6	1.8	1.8
75°	252.9	85.6	6.9	4.0	2.9	2.9	2.6	2.6	2.2	1.5	1.5
77.5°	66.0	25.5	4.4	2.6	1.8	1.8	1.8	1.5	1.5	1.1	1.1
80°	21.1	8.4	2.6	1.8	1.5	1.1	1.1	0.7	1.1	0.7	0.7
82.5°	6.9	2.9	1.5	1.5	1.1	0.7	0.7	0.4	0.4	0.0	0.0
85°	2.6	1.5	1.1	0.7	0.7	0.7	0.4	0.0	0.0	0.0	0.0
87.5°	1.5	0.7	0.7	0.7	0.7	0.4	0.0	0.0	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)