

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: P629609

Luminaire Tested: GWS-SA1C-722-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2666.5 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

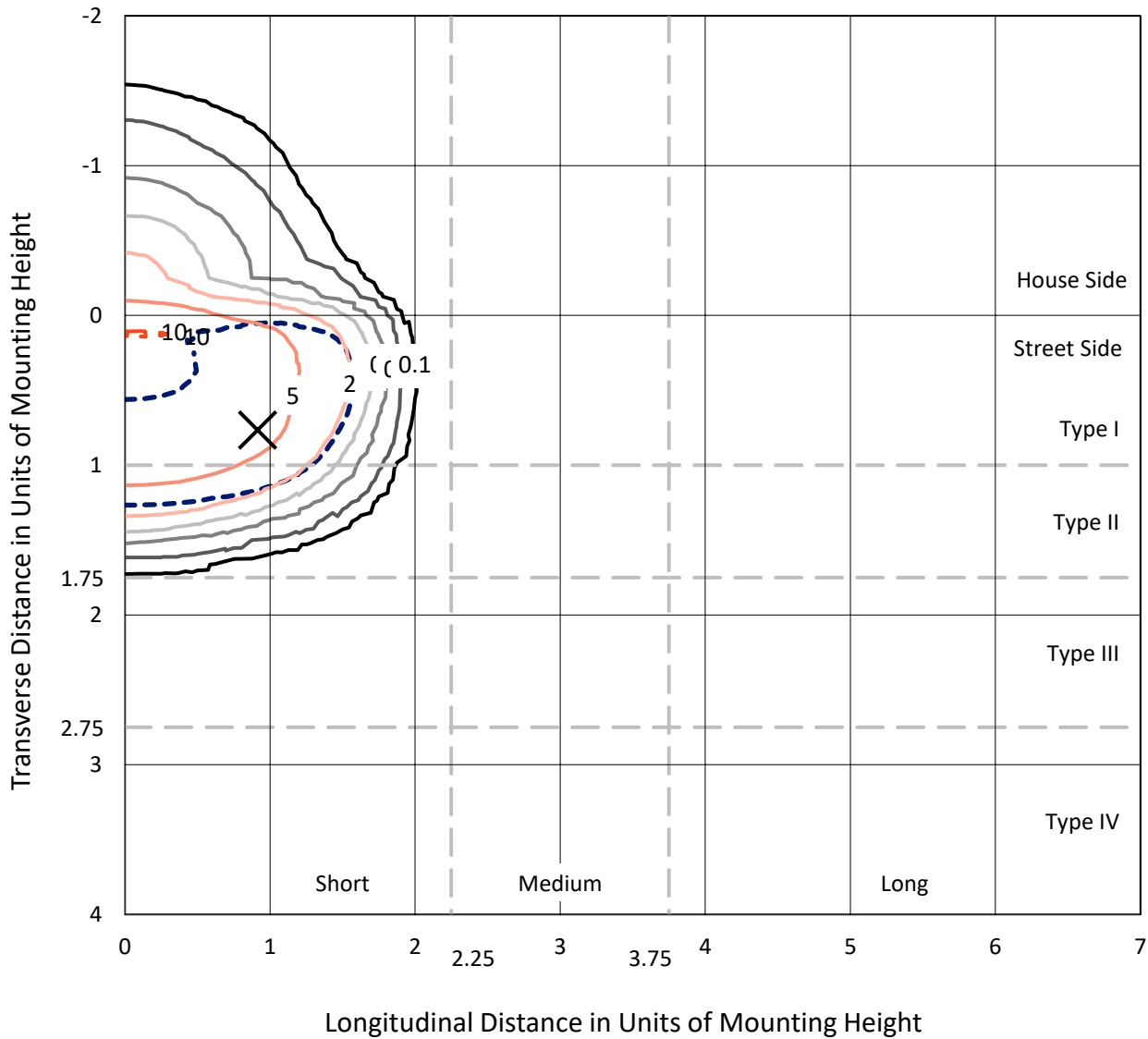
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

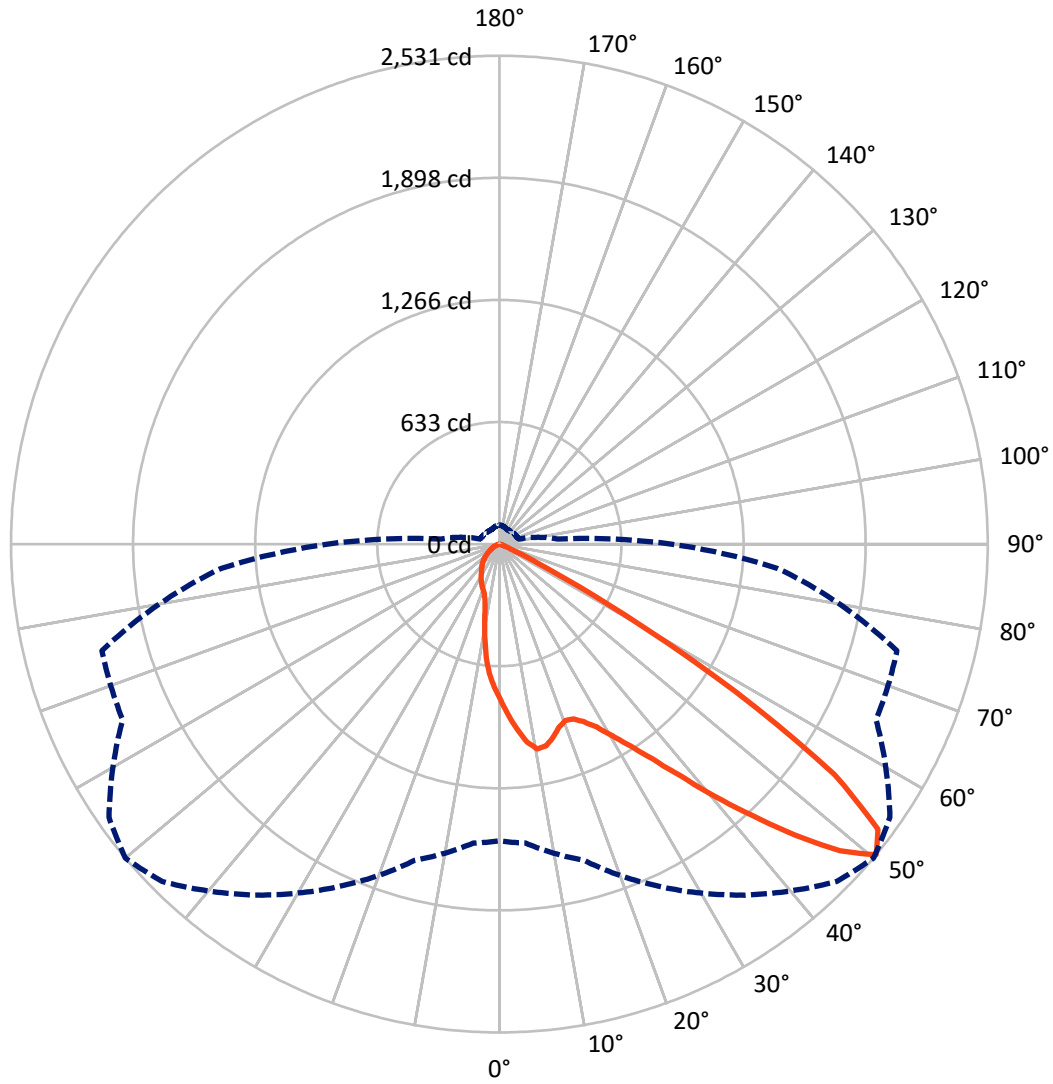
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	342.6	0.0	342.6
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	2323.9	0.0	2323.9
	% Fixture	87.2	0.0	87.2
Total	Lumens	2666.5	0.0	2666.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	2.8
10°-20°	193.4	7.3
20°-30°	319.1	12.0
30°-40°	526.6	19.7
40°-50°	833.2	31.2
50°-60°	630.8	23.7
60°-70°	78.9	3.0
70°-80°	8.9	0.3
80°-90°	0.7	0.0
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°	2666.5	100.0
0°-180°	2666.5	100.0

Coefficient of Utilization

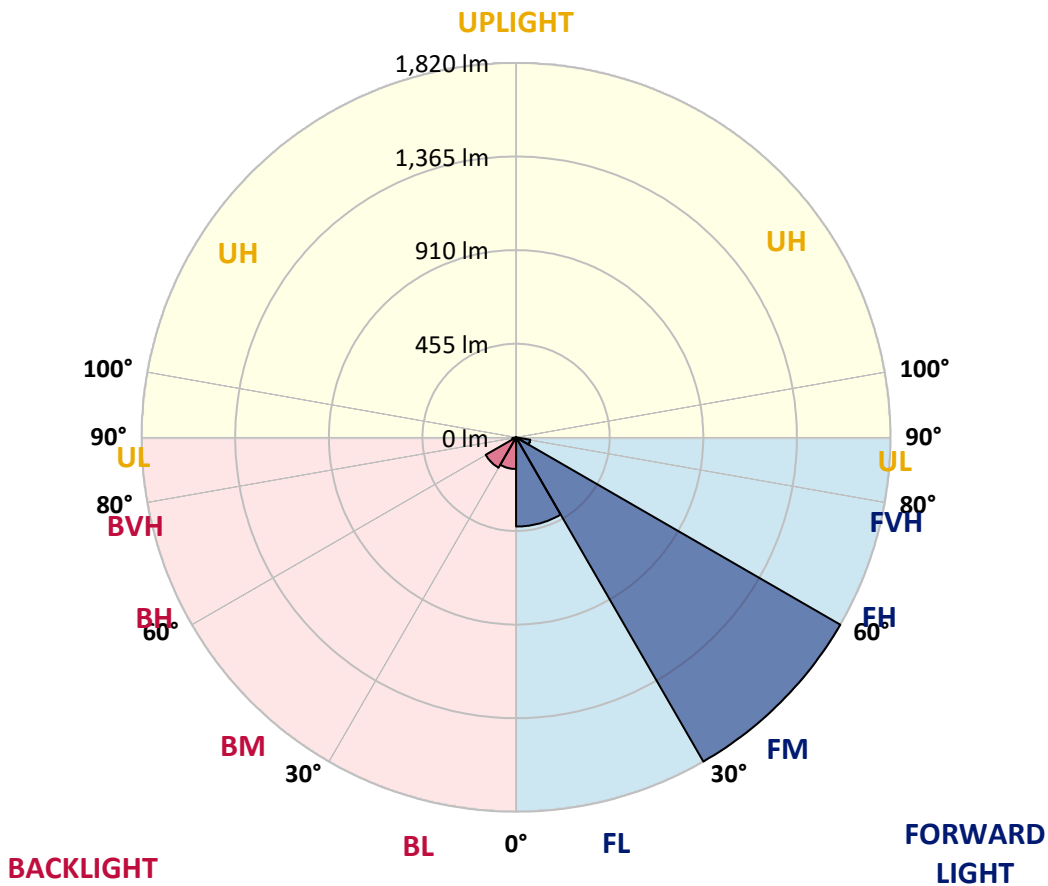


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.6	16.3			
FM (30°-60°)	1820.2	68.3			
FH (60°-80°)	69.8	2.6			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	153.8	5.8	B1/500		
BM (30°-60°)	170.4	6.4	B0/220		
BH (60°-80°)	18.1	0.7	B0/110		G0/110
BVH (80°-90°)	0.4	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8
2.5°	920.5	927.9	925.9	916.2	905.8	898.4	887.0	883.5	857.6	839.6	820.5
5°	1031.7	1034.0	1031.4	1019.8	1001.5	984.0	965.2	954.3	910.9	871.8	832.0
7.5°	1058.3	1055.6	1060.4	1066.2	1063.7	1056.1	1036.3	1024.3	972.6	908.9	848.5
10°	975.1	968.8	986.8	1017.0	1048.7	1084.5	1079.4	1080.4	1032.7	955.6	870.0
12.5°	864.7	862.2	875.6	910.6	972.8	1054.0	1073.6	1106.3	1087.8	1006.1	894.6
15°	816.2	817.5	825.6	847.7	892.4	993.4	1040.3	1099.5	1137.0	1055.0	921.8
17.5°	823.6	828.1	827.9	835.3	862.4	943.4	998.2	1077.9	1175.1	1111.4	953.0
20°	873.6	878.1	871.3	865.7	874.8	930.7	976.1	1056.1	1200.7	1168.2	986.0
22.5°	948.4	953.8	937.5	921.5	915.7	951.5	984.5	1047.2	1220.3	1220.3	1015.5
25°	1039.1	1046.4	1021.3	992.9	976.6	995.4	1020.3	1067.2	1240.3	1267.0	1035.5
27.5°	1140.3	1140.6	1119.0	1087.0	1056.6	1058.9	1073.8	1112.4	1262.4	1317.2	1051.2
30°	1254.3	1255.0	1226.4	1188.0	1149.7	1139.3	1152.0	1181.2	1308.3	1380.4	1073.1
32.5°	1401.5	1405.0	1363.9	1307.6	1257.8	1238.3	1245.6	1276.4	1381.4	1459.6	1105.8
35°	1600.5	1604.3	1543.6	1469.2	1390.1	1360.6	1368.0	1398.9	1487.3	1572.0	1158.1
37.5°	1796.9	1802.0	1740.6	1671.3	1562.6	1513.9	1521.5	1551.0	1646.1	1727.4	1241.8
40°	1932.7	1939.5	1920.5	1873.8	1773.0	1709.1	1718.2	1728.9	1821.0	1913.1	1350.5
42.5°	2004.3	2013.9	2022.0	2045.9	1992.8	1939.3	1923.8	1924.6	1998.9	2102.5	1463.4
45°	2008.6	2018.0	2059.6	2151.7	2192.1	2180.9	2152.7	2133.7	2134.7	2228.6	1534.0
47.5°	1869.0	1886.5	1964.4	2144.9	2296.6	2389.3	2375.1	2329.9	2191.8	2237.0	1526.3
50°	1538.3	1555.5	1697.2	1956.8	2220.5	2472.5	2531.1	2470.5	2154.5	2132.7	1447.9
52.5°	1117.2	1119.0	1210.9	1514.2	1911.9	2319.0	2457.0	2451.2	2097.7	2006.3	1340.8
55°	530.7	524.3	627.6	854.5	1322.3	1875.6	2108.3	2174.3	2016.9	1914.9	1257.8
57.5°	154.6	157.6	203.5	333.5	661.4	1198.7	1443.9	1566.7	1655.5	1574.3	975.6
60°	69.3	69.5	77.4	101.5	220.3	557.6	746.4	898.4	989.8	917.2	484.0
62.5°	50.3	50.5	53.6	57.4	74.9	188.8	279.9	373.1	379.9	248.7	122.6
65°	41.9	41.9	42.4	42.4	44.9	67.5	85.0	109.6	92.4	68.5	48.0
67.5°	33.8	34.0	34.5	34.5	33.8	33.8	36.5	40.1	42.9	53.0	44.2
70°	26.4	26.1	26.1	26.4	25.6	21.8	23.6	26.9	29.4	41.4	38.3
72.5°	20.6	20.8	20.6	19.5	17.8	12.9	14.0	17.5	18.8	25.9	25.9
75°	15.5	15.7	14.7	11.2	7.4	4.1	5.3	8.6	10.9	12.7	9.4
77.5°	2.0	2.0	1.5	1.5	1.3	1.5	1.5	2.0	3.0	3.0	2.3
80°	0.3	0.3	0.3	0.5	0.8	1.0	1.0	1.0	1.0	1.3	1.3
82.5°	0.3	0.3	0.3	0.3	0.8	0.8	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.3	0.5	0.8	0.8	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.3	0.5	0.8	0.8	0.8	1.0	1.0	1.0
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°	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8
2.5°	809.1	794.4	776.6	764.4	747.2	735.8	719.5	708.6	699.2	691.9	695.9
5°	809.4	786.0	749.7	718.8	685.0	654.0	620.8	594.7	571.0	560.4	566.2
7.5°	814.4	780.9	725.4	670.3	605.6	541.6	481.7	433.0	408.9	397.4	401.0
10°	824.3	778.7	698.2	606.8	501.8	414.5	356.3	323.3	309.9	302.8	304.1
12.5°	833.5	777.1	662.9	523.3	395.9	321.6	291.4	286.8	289.6	289.8	289.6
15°	845.9	774.3	619.3	437.6	316.7	277.9	278.7	285.3	291.9	293.9	293.4
17.5°	859.1	770.0	562.9	355.3	268.8	265.2	274.1	283.0	289.6	290.6	290.9
20°	872.8	761.1	498.7	290.1	246.4	255.6	265.5	272.1	276.9	278.4	278.9
22.5°	879.2	742.4	424.6	243.4	231.5	243.6	251.0	259.6	261.2	255.6	256.6
25°	875.9	710.6	352.3	211.9	216.5	228.7	239.6	235.3	228.9	224.9	226.1
27.5°	865.5	668.5	281.5	188.8	200.5	216.0	217.3	212.4	211.4	208.1	209.1
30°	854.3	620.0	226.4	170.3	184.3	200.5	196.7	198.5	198.7	194.9	196.2
32.5°	847.4	569.3	180.2	157.9	173.9	176.9	184.5	188.1	188.3	179.4	181.0
35°	849.7	519.3	152.5	147.7	164.2	163.4	174.1	176.1	161.4	149.2	150.5
37.5°	868.2	473.1	136.8	139.8	147.5	153.3	161.4	148.0	144.7	139.1	139.8
40°	902.8	433.7	127.4	135.0	136.0	145.4	133.0	134.8	135.0	131.5	132.2
42.5°	943.1	401.0	121.8	132.2	129.7	131.2	118.8	122.3	126.1	124.6	124.9
45°	963.4	369.0	117.0	122.6	123.3	108.9	106.1	109.9	114.7	115.5	115.7
47.5°	945.4	338.6	111.9	108.6	113.7	99.2	95.9	97.2	102.8	105.8	106.3
50°	890.3	303.5	104.3	96.2	93.4	89.1	86.0	86.3	92.6	98.0	99.0
52.5°	812.9	267.0	91.9	81.5	75.1	78.4	79.2	77.7	83.5	88.8	89.8
55°	737.8	221.3	72.8	66.2	60.4	67.5	69.5	67.5	69.3	72.8	73.1
57.5°	519.5	125.1	55.8	54.8	50.0	57.9	61.2	58.1	55.1	57.4	57.9
60°	240.9	65.5	42.9	42.9	41.6	49.7	55.3	51.0	45.2	46.2	47.0
62.5°	75.4	41.4	31.5	29.7	34.0	42.4	47.0	42.6	35.8	35.8	36.8
65°	42.6	35.5	24.9	22.8	27.7	34.0	36.8	32.2	26.1	25.6	25.6
67.5°	39.6	33.8	22.1	18.5	19.5	21.8	22.8	19.8	18.0	17.8	18.0
70°	32.7	28.2	17.8	12.7	11.9	11.7	12.2	11.4	10.9	11.2	11.9
72.5°	20.3	17.0	11.2	7.6	6.6	6.3	6.3	6.3	6.1	6.1	6.1
75°	7.4	6.3	5.1	3.8	3.3	3.0	3.0	3.3	3.0	2.8	2.5
77.5°	2.3	2.0	2.0	2.0	1.8	1.5	1.3	1.3	1.0	0.8	0.8
80°	1.3	1.3	1.3	1.3	1.0	1.0	0.8	0.5	0.3	0.3	0.0
82.5°	1.3	1.3	1.3	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.5	0.3	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.5	0.3	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)