

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: P629781

Luminaire Tested: GWS-SA1C-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2783.7 lumens
Efficiency: N/A
Efficacy: 81.6 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

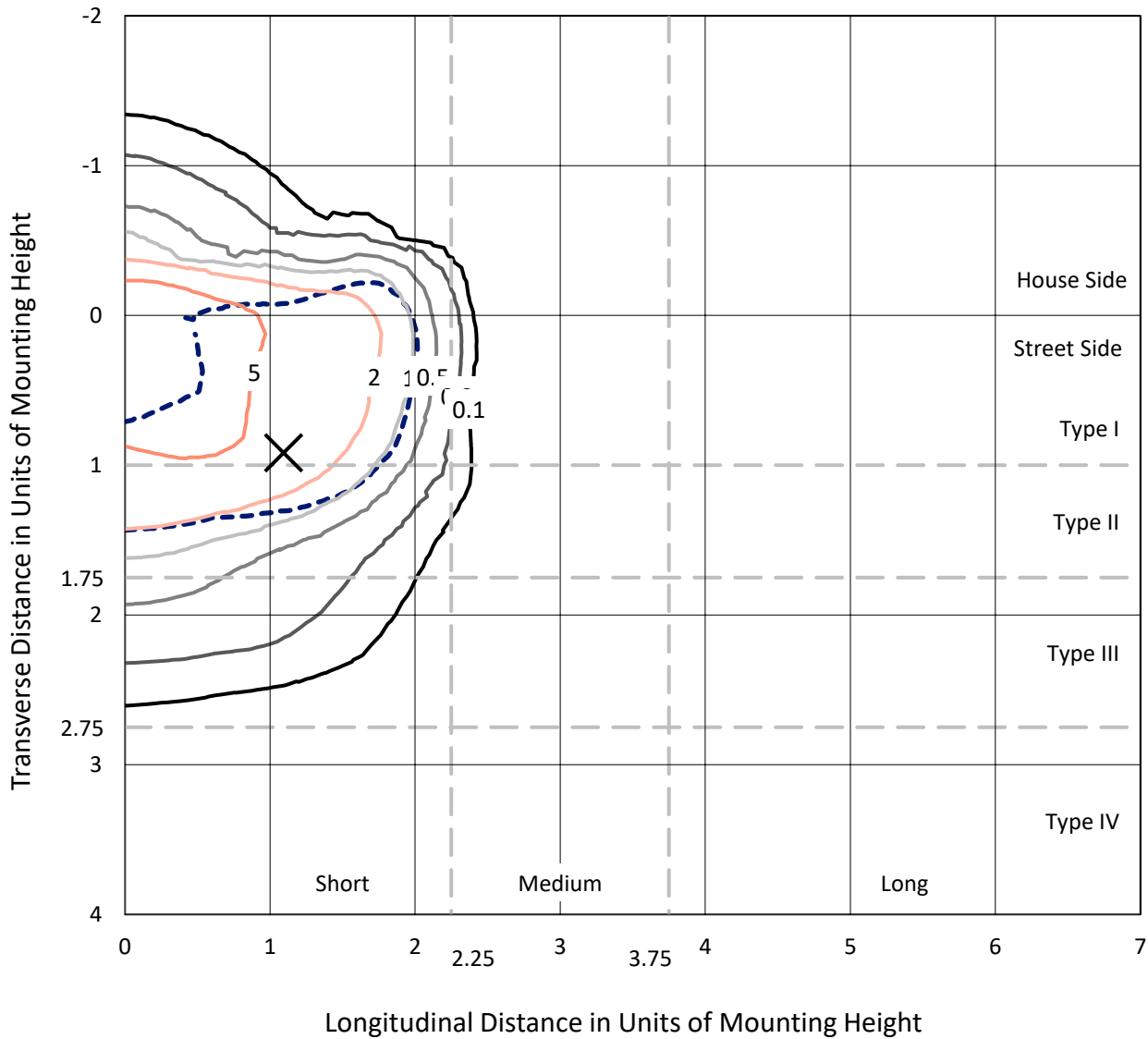
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

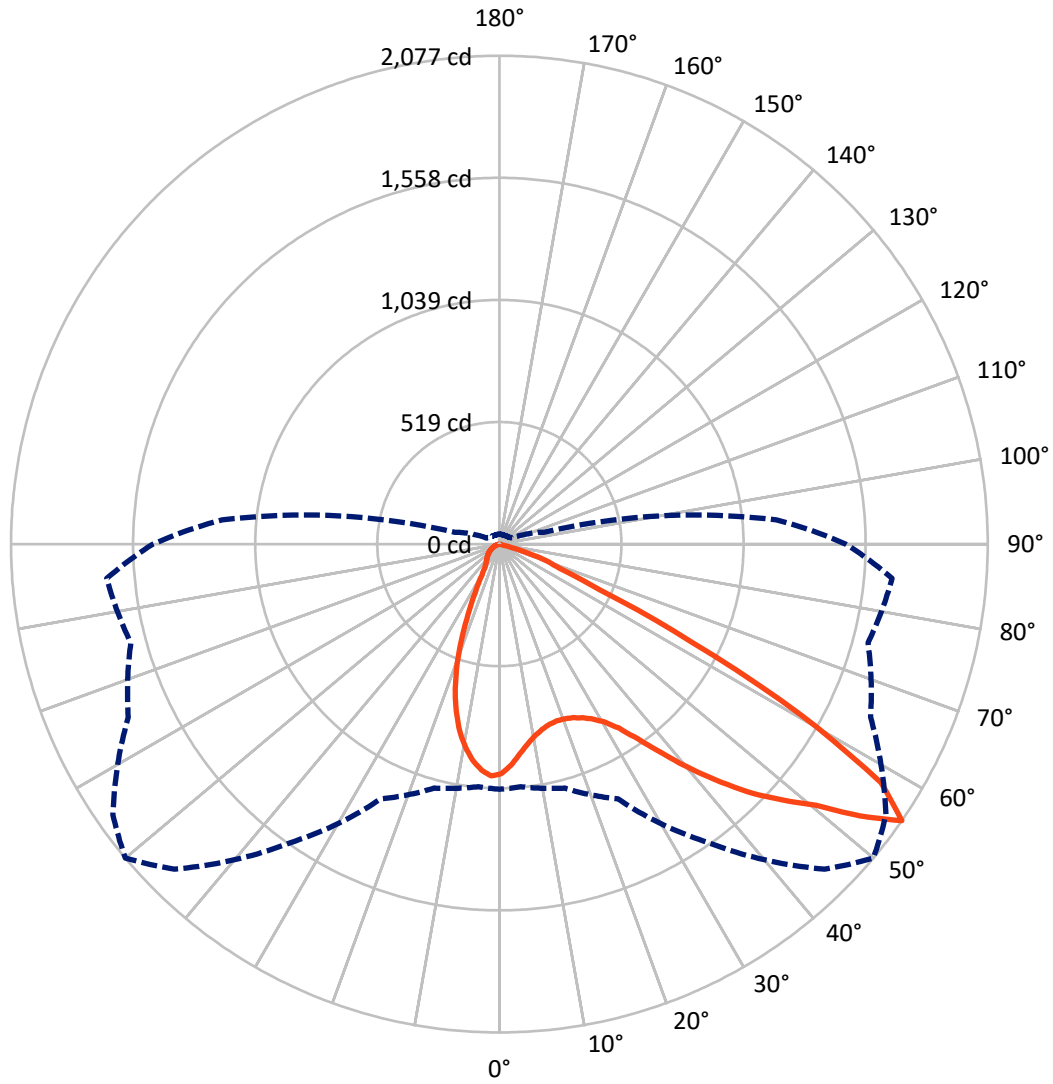
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	548.5	0.0	548.5
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2235.2	0.0	2235.2
	% Fixture	80.3	0.0	80.3
Total	Lumens	2783.7	0.0	2783.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	3.1
10°-20°	211.1	7.6
20°-30°	297.7	10.7
30°-40°	440.6	15.8
40°-50°	635.6	22.8
50°-60°	749.7	26.9
60°-70°	334.4	12.0
70°-80°	28.8	1.0
80°-90°	0.0	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°	2783.7	100.0
0°-180°	2783.7	100.0

Coefficient of Utilization



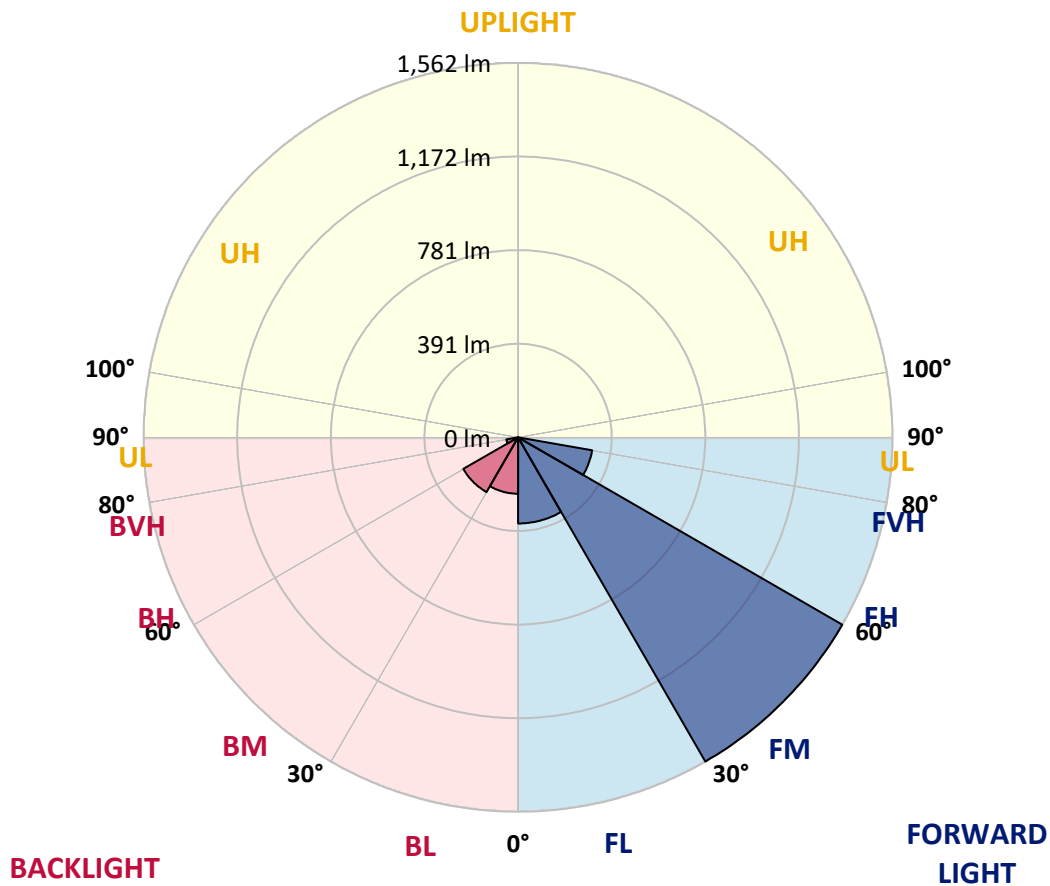
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.4	12.9			
FM (30°-60°)	1562.1	56.1			
FH (60°-80°)	313.7	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	235.2	8.4	B1/500		
BM (30°-60°)	263.8	9.5	B1/1000		
BH (60°-80°)	49.5	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	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°	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7
2.5°	907.4	908.0	908.4	917.5	920.9	934.5	941.7	945.4	955.3	966.8	976.3
5°	846.5	845.5	847.2	858.8	866.2	886.3	897.2	904.6	926.4	953.6	976.3
7.5°	793.5	795.5	797.6	810.2	821.4	843.1	858.8	870.0	900.2	940.7	979.1
10°	756.1	756.1	759.2	773.5	786.7	813.6	829.2	843.5	879.5	929.1	982.1
12.5°	728.6	728.9	732.7	749.0	764.3	792.1	808.5	822.4	862.2	917.5	982.8
15°	715.7	714.7	717.7	735.1	752.0	778.2	795.2	808.8	849.9	911.1	986.2
17.5°	712.3	711.6	714.0	731.0	748.3	773.8	790.4	804.0	848.2	913.1	996.4
20°	722.1	720.8	719.8	734.4	750.7	775.8	793.2	808.5	856.4	924.3	1012.0
22.5°	745.6	745.6	743.2	750.3	761.2	784.0	802.0	822.1	877.8	946.8	1035.1
25°	788.7	785.4	780.9	784.0	782.6	796.9	818.3	846.2	918.2	983.8	1063.3
27.5°	838.0	841.1	833.6	833.9	822.1	817.0	841.8	883.9	978.4	1036.1	1105.1
30°	905.0	902.6	902.9	901.9	874.4	850.3	877.1	933.2	1054.2	1116.0	1159.5
32.5°	957.3	960.7	971.9	978.4	942.4	903.6	932.2	1000.1	1140.5	1207.1	1226.1
35°	1012.7	1018.8	1041.6	1062.7	1032.4	987.9	1018.5	1088.8	1221.7	1297.1	1302.6
37.5°	1071.1	1083.4	1110.6	1147.6	1142.9	1103.4	1131.3	1193.1	1285.6	1351.5	1365.8
40°	1138.1	1150.0	1194.5	1247.9	1259.1	1250.2	1259.4	1295.4	1327.7	1353.9	1393.0
42.5°	1211.5	1227.8	1284.2	1355.6	1397.7	1405.5	1384.1	1380.4	1346.1	1326.7	1387.2
45°	1298.2	1317.2	1381.1	1473.5	1540.5	1551.0	1514.0	1466.0	1357.6	1306.7	1369.9
47.5°	1395.3	1413.4	1476.9	1588.0	1687.6	1691.7	1627.1	1550.0	1392.0	1329.8	1383.1
50°	1428.0	1439.2	1494.2	1624.7	1808.2	1839.5	1746.1	1644.4	1460.9	1397.7	1447.7
52.5°	1315.8	1320.2	1368.2	1500.0	1783.8	1984.6	1919.7	1785.5	1583.6	1501.4	1547.3
55°	1042.6	1035.5	1074.2	1195.2	1550.3	1955.1	2077.1	2007.0	1741.6	1623.0	1676.7
57.5°	729.3	720.8	711.9	793.8	1156.8	1657.4	1913.9	2038.0	1892.2	1743.7	1816.4
60°	599.5	591.3	548.5	510.8	699.4	1190.1	1470.1	1703.6	1879.9	1737.6	1812.0
62.5°	517.9	513.1	495.8	444.5	411.5	679.3	920.6	1144.2	1442.6	1364.4	1368.5
65°	406.8	405.4	417.3	422.8	364.0	375.9	469.6	594.7	779.9	735.4	697.3
67.5°	278.0	274.9	297.4	365.7	350.0	296.7	274.9	277.3	337.5	206.3	163.8
70°	176.7	169.6	169.9	226.7	284.8	234.1	212.1	186.6	167.9	30.6	34.7
72.5°	113.2	108.7	93.5	102.3	131.9	114.2	115.2	99.2	66.3	16.3	19.0
75°	47.6	43.8	33.6	26.8	26.5	16.7	14.6	13.6	9.2	9.2	9.9
77.5°	0.3	0.0	0.0	0.3	0.7	0.3	0.3	0.7	1.4	2.0	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7	976.7
2.5°	982.1	974.0	983.1	986.5	986.2	986.5	976.7	969.9	969.5	961.0	957.0
5°	985.9	979.4	986.2	981.8	971.2	958.0	940.3	925.0	918.2	908.4	903.6
7.5°	993.0	986.2	985.2	967.5	941.3	913.5	882.2	854.3	839.4	821.4	822.4
10°	998.1	990.3	977.0	941.0	897.5	853.0	806.4	765.0	738.8	714.7	710.6
12.5°	1000.1	988.6	957.6	903.3	842.1	784.0	715.7	656.6	615.8	584.2	579.8
15°	1003.9	985.2	932.8	857.7	773.8	691.6	604.6	523.7	469.6	433.3	436.3
17.5°	1009.6	981.4	905.0	806.8	700.4	584.2	466.6	373.8	324.2	303.1	303.5
20°	1017.8	977.0	874.4	750.7	612.4	462.9	326.2	256.2	242.3	241.6	240.6
22.5°	1028.7	972.6	841.8	689.2	508.0	324.2	217.2	195.4	201.2	212.4	214.4
25°	1041.6	967.2	805.4	619.9	394.2	212.7	162.8	159.4	173.3	188.3	191.7
27.5°	1061.6	964.4	763.9	541.0	276.6	152.6	133.2	135.3	147.8	160.4	163.5
30°	1095.6	969.5	718.7	452.7	177.7	121.7	115.5	118.6	125.4	131.9	134.6
32.5°	1141.8	984.5	674.9	356.1	126.8	105.7	104.3	106.0	108.7	112.5	113.5
35°	1195.9	1010.3	629.7	254.9	104.7	96.5	95.2	95.2	96.5	97.2	97.5
37.5°	1240.4	1037.5	587.2	169.6	93.8	89.4	87.3	86.3	86.0	86.7	87.0
40°	1259.8	1048.7	541.0	123.4	86.0	82.9	79.9	76.8	76.8	79.2	79.5
42.5°	1246.2	1036.1	487.7	101.9	80.5	76.1	71.4	68.6	70.0	72.4	73.1
45°	1217.3	1005.2	428.9	90.1	75.1	69.3	63.9	62.2	63.5	66.6	67.3
47.5°	1212.5	984.8	358.5	82.2	69.3	63.5	57.8	56.1	57.8	60.2	60.8
50°	1259.8	1002.5	280.4	75.4	63.9	57.4	52.7	51.0	52.0	53.4	54.0
52.5°	1346.1	1068.1	226.3	69.0	57.4	51.3	48.3	46.2	46.2	47.6	47.9
55°	1473.5	1182.6	195.4	61.5	50.0	46.6	43.8	41.8	41.8	42.5	42.8
57.5°	1620.3	1321.3	202.5	51.7	43.8	42.1	39.8	38.1	38.7	38.7	38.7
60°	1599.9	1311.1	216.8	43.5	38.7	38.1	36.0	35.3	37.0	35.7	35.0
62.5°	1178.5	905.7	113.5	35.7	33.3	32.6	31.3	32.6	35.0	31.3	29.9
65°	572.3	438.4	45.5	29.2	28.2	27.5	26.8	28.9	30.2	24.5	23.1
67.5°	134.6	109.4	29.6	24.8	23.4	22.1	22.8	23.1	22.1	16.7	16.0
70°	35.0	34.3	23.1	20.7	18.7	17.3	17.3	17.0	14.6	10.5	9.9
72.5°	19.0	18.7	16.7	15.6	12.9	11.6	11.9	10.5	8.2	6.1	5.8
75°	9.5	10.2	9.5	8.8	7.1	6.5	6.5	5.8	4.1	2.4	2.4
77.5°	2.0	2.4	2.4	2.0	1.7	1.4	1.4	1.7	0.7	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)