

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: P629975

Luminaire Tested: GWS-SA1C-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3041.5 lumens
Efficiency: N/A
Efficacy: 89.2 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

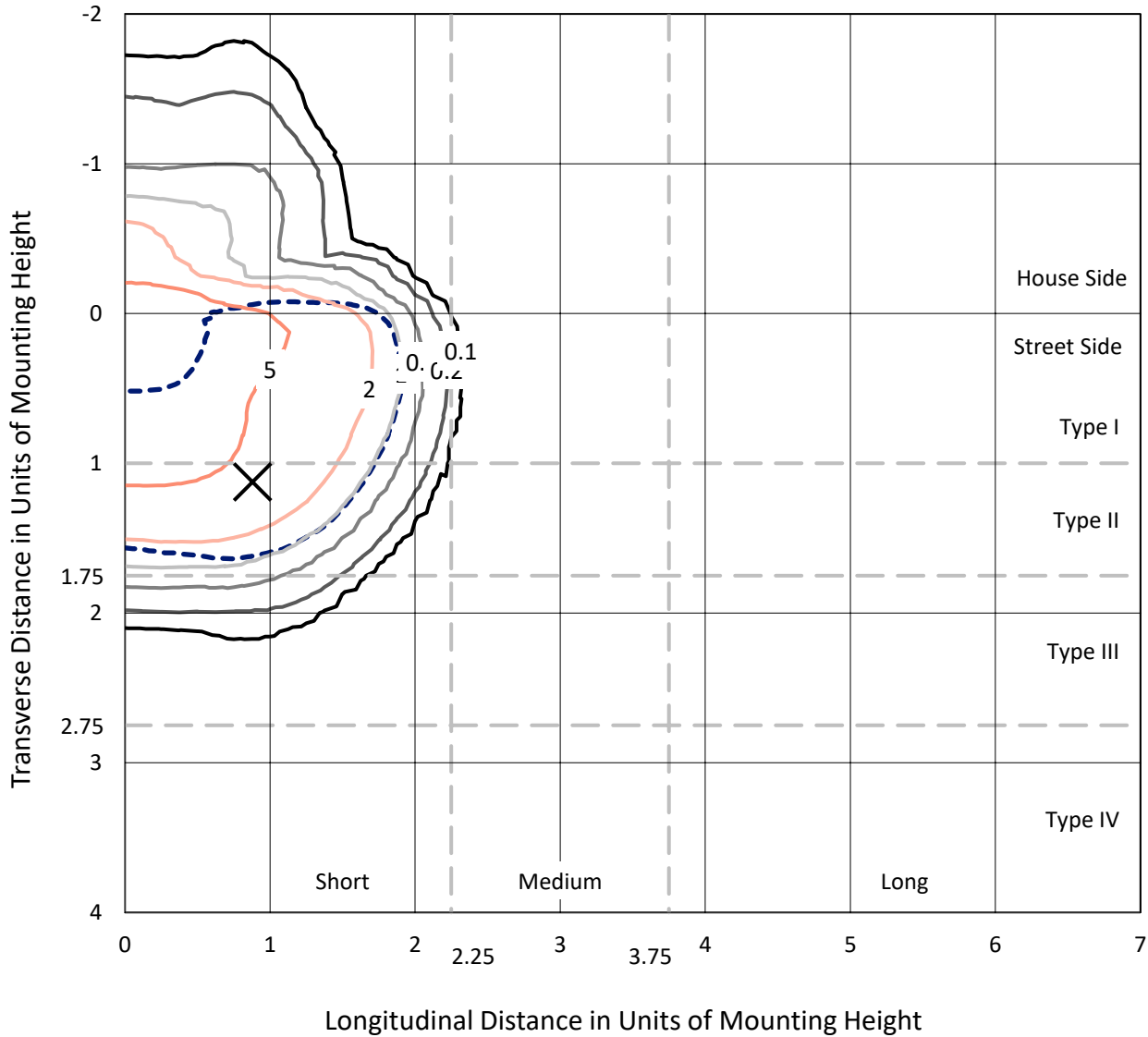
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

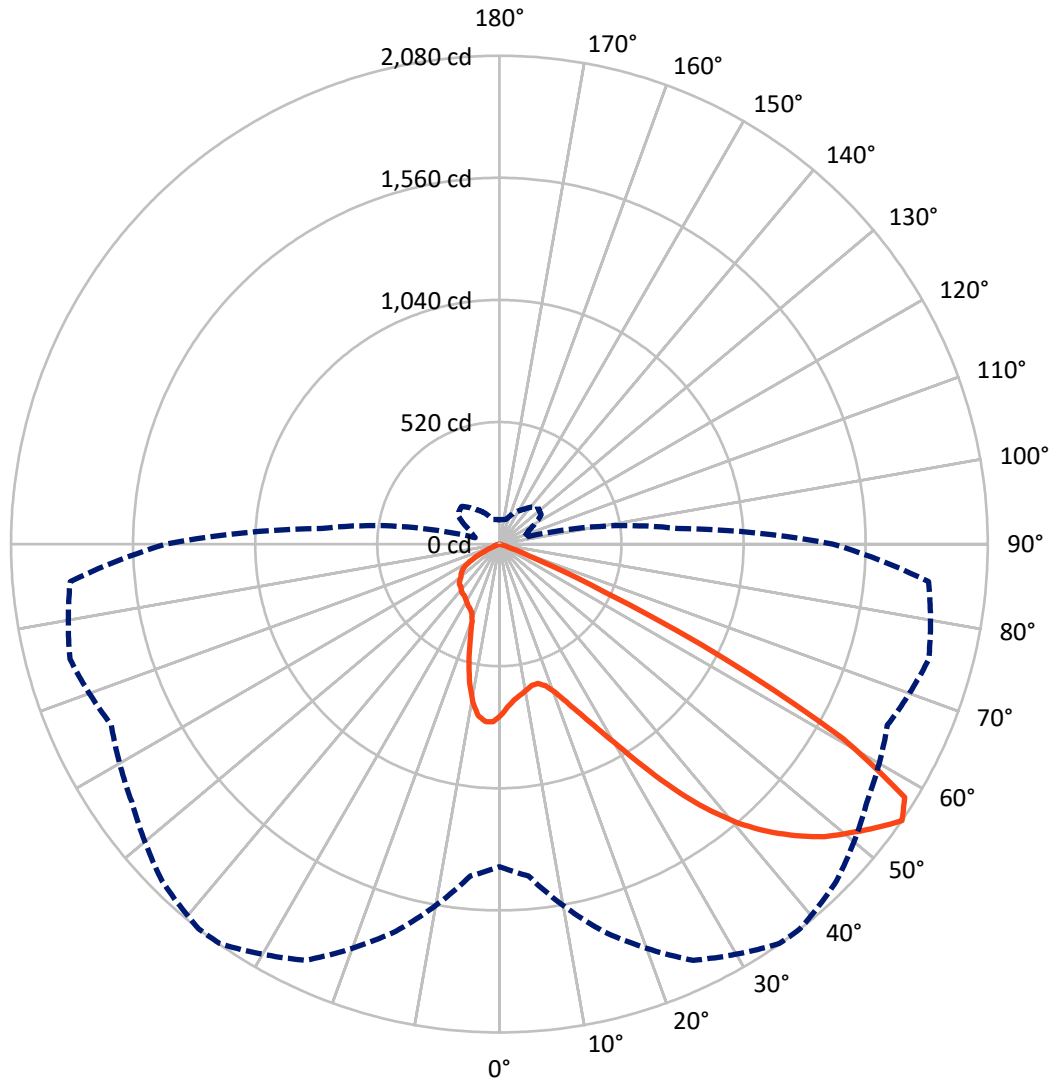
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.6	0.0	592.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2448.9	0.0	2448.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	3041.5	0.0	3041.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	2.2
10°-20°	181.6	6.0
20°-30°	311.6	10.2
30°-40°	516.7	17.0
40°-50°	759.6	25.0
50°-60°	887.7	29.2
60°-70°	300.9	9.9
70°-80°	15.4	0.5
80°-90°	0.6	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°	3041.5	100.0
0°-180°	3041.5	100.0

Coefficient of Utilization



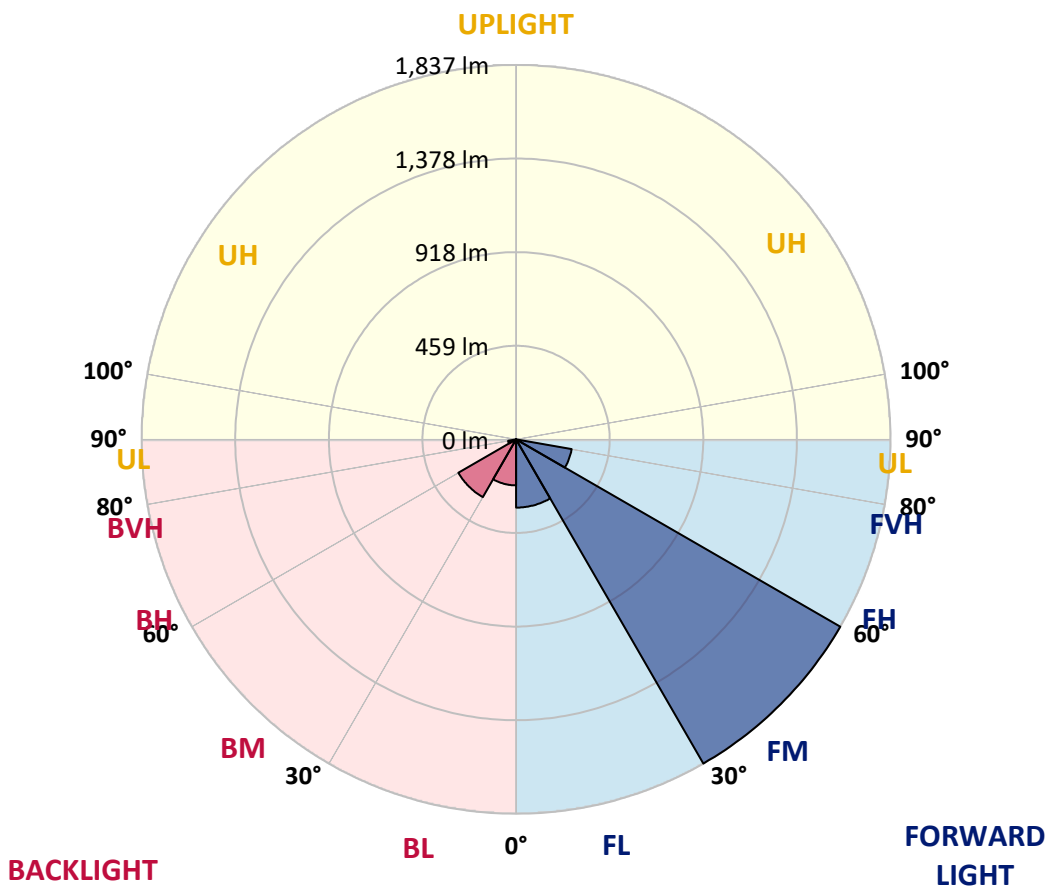
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.8	11.0			
FM (30°-60°)	1837.0	60.4			
FH (60°-80°)	276.8	9.1			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	225.8	7.4	B1/500		
BM (30°-60°)	327.1	10.8	B1/1000		
BH (60°-80°)	39.4	1.3	B0/110		G0/110
BVH (80°-90°)	0.3	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°	38°	45°	55°	65°	75°	85°
0°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	679.3	677.9	680.7	686.3	691.5	693.2	698.4	705.7	710.3	721.0	729.7
5°	648.7	648.0	650.8	655.7	662.6	665.1	673.1	685.2	697.4	716.2	734.6
7.5°	620.9	620.6	624.7	635.5	645.6	648.7	658.5	673.4	689.7	718.6	745.7
10°	584.4	584.8	592.7	608.0	626.5	632.7	648.4	669.9	691.1	728.3	765.9
12.5°	572.6	573.3	577.5	589.3	609.4	617.4	639.3	672.0	699.1	742.2	792.0
15°	601.4	601.4	598.0	599.4	608.4	615.7	638.6	679.0	712.7	758.9	817.7
17.5°	657.4	655.3	646.6	634.8	631.7	634.1	652.5	693.9	731.8	778.4	846.9
20°	733.2	733.9	716.9	692.2	672.4	672.0	683.1	720.3	759.3	801.7	878.5
22.5°	825.0	822.2	799.6	765.9	731.5	728.7	733.2	760.7	798.9	838.5	917.5
25°	931.4	930.0	898.0	852.8	807.2	800.6	800.6	827.8	855.6	891.0	964.0
27.5°	1042.6	1042.6	1011.7	959.5	899.0	887.2	885.5	917.5	935.9	942.8	1003.3
30°	1157.0	1155.6	1125.0	1071.5	1006.8	994.6	989.8	1013.4	1026.6	1005.8	1052.3
32.5°	1273.1	1275.5	1244.6	1194.9	1137.2	1129.2	1114.2	1114.2	1125.0	1095.8	1129.5
35°	1397.9	1397.2	1372.9	1339.2	1289.8	1280.8	1256.1	1217.5	1233.8	1221.0	1236.3
37.5°	1508.1	1513.3	1501.5	1476.5	1436.5	1427.5	1386.8	1316.9	1329.4	1349.6	1363.1
40°	1620.1	1624.2	1636.1	1628.1	1577.6	1561.0	1488.6	1373.9	1387.8	1457.0	1495.9
42.5°	1729.9	1732.0	1756.0	1769.2	1701.8	1672.6	1565.8	1408.7	1423.3	1541.1	1609.3
45°	1799.8	1804.3	1843.9	1884.3	1811.3	1771.3	1632.9	1453.2	1459.4	1599.5	1693.1
47.5°	1797.0	1807.4	1881.8	1955.2	1905.5	1862.4	1713.6	1524.5	1514.0	1654.5	1748.3
50°	1741.0	1753.6	1860.3	1976.8	1973.3	1933.3	1803.3	1627.7	1595.0	1703.1	1755.3
52.5°	1624.9	1661.1	1822.4	1979.5	2027.9	2007.7	1914.2	1766.8	1704.5	1773.0	1766.4
55°	1373.9	1418.4	1707.3	1955.9	2077.2	2079.7	2030.6	1911.7	1823.4	1893.3	1834.9
57.5°	1043.0	1078.4	1314.1	1741.0	1995.5	2035.5	2075.8	1988.2	1896.8	1975.4	1850.9
60°	628.6	669.6	822.9	1277.6	1611.7	1679.9	1838.0	1821.0	1710.8	1744.5	1517.9
62.5°	254.8	276.4	380.0	704.0	1014.5	1078.1	1229.6	1255.4	1228.3	1193.8	920.6
65°	93.2	101.9	152.3	291.0	466.5	489.8	569.8	615.3	652.9	555.9	342.4
67.5°	57.7	63.3	99.1	149.5	169.7	157.8	160.6	191.6	182.9	113.0	61.2
70°	42.8	47.3	77.5	103.6	68.5	52.8	35.8	38.2	34.4	30.2	29.9
72.5°	29.6	33.7	58.1	61.2	26.4	18.8	13.2	18.4	20.9	20.5	21.2
75°	19.5	22.6	36.5	24.0	6.6	5.2	4.5	9.7	12.5	12.5	12.9
77.5°	11.5	13.2	12.9	4.9	1.4	1.4	1.0	1.7	2.8	3.1	3.8
80°	1.4	1.0	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0
82.5°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
85°	0.0	0.0	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0	1.0
87.5°	0.0	0.0	0.3	0.3	0.7	0.7	0.7	0.7	0.7	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°	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4	729.4
2.5°	736.3	733.9	744.0	751.3	757.2	760.0	756.1	755.8	755.8	748.1	746.1
5°	745.0	746.1	760.3	766.6	767.6	764.1	755.4	749.5	746.1	738.1	733.5
7.5°	761.7	765.2	778.7	777.7	768.3	752.3	729.4	711.6	700.2	687.7	680.0
10°	785.7	792.3	800.6	786.0	756.1	715.5	668.2	634.5	614.3	600.0	591.4
12.5°	814.9	821.5	818.7	784.3	722.1	649.4	588.6	539.9	516.6	503.7	494.7
15°	844.4	848.6	830.5	763.4	661.9	564.2	496.4	448.1	419.6	409.2	401.5
17.5°	874.7	873.7	832.6	722.4	581.6	468.3	401.5	368.5	360.5	358.8	358.1
20°	906.3	896.9	824.3	663.7	485.0	373.4	335.5	337.6	352.2	359.1	360.5
22.5°	942.5	918.8	803.4	584.1	386.2	311.1	315.0	335.5	355.3	364.7	366.1
25°	981.1	939.0	768.7	481.8	304.5	286.1	308.7	332.4	353.6	365.0	366.4
27.5°	1006.5	943.9	711.6	378.9	261.4	276.4	300.4	323.0	344.9	357.4	359.1
30°	1033.9	941.8	634.1	292.0	246.8	268.0	288.9	309.4	329.6	343.5	344.9
32.5°	1074.2	940.4	539.6	237.1	240.9	261.4	276.7	293.8	307.7	315.7	314.6
35°	1127.1	938.7	429.4	213.8	237.4	256.2	268.4	276.4	261.1	256.2	257.3
37.5°	1194.9	942.8	336.5	204.1	236.4	254.8	265.3	242.3	218.7	209.6	208.2
40°	1270.0	953.6	256.6	200.2	239.9	258.3	253.4	215.5	186.3	168.6	164.8
42.5°	1345.4	965.4	203.0	198.9	245.8	268.0	234.0	196.1	152.3	142.2	140.8
45°	1401.4	963.3	175.6	196.4	251.0	273.6	228.8	168.3	135.9	131.4	131.8
47.5°	1429.5	940.4	160.6	190.9	253.1	268.0	215.9	156.8	124.8	129.7	133.8
50°	1414.6	881.0	146.7	180.1	248.6	260.7	195.4	148.1	119.2	139.4	148.8
52.5°	1396.5	807.9	131.4	163.4	237.8	250.7	187.4	145.7	115.8	134.5	141.5
55°	1420.5	761.7	106.4	137.7	216.6	227.0	181.1	145.3	107.8	104.6	103.6
57.5°	1386.8	669.6	76.1	99.1	166.2	179.7	176.6	142.9	95.6	95.3	96.6
60°	1071.8	408.5	52.1	62.9	101.9	114.7	160.3	136.6	82.4	75.8	76.1
62.5°	609.1	173.8	35.8	38.9	52.1	61.9	122.4	124.1	76.1	72.3	76.1
65°	212.1	62.2	27.8	26.1	28.9	33.0	70.2	96.0	69.2	62.6	63.3
67.5°	43.8	30.9	24.7	21.6	21.6	21.6	35.8	59.8	57.0	49.7	50.4
70°	27.8	26.4	21.6	18.4	17.7	16.3	20.5	33.0	39.3	36.2	36.5
72.5°	20.5	20.2	17.0	14.9	13.2	11.8	12.9	16.3	20.2	20.9	21.2
75°	12.5	12.9	11.1	9.4	8.3	7.3	7.6	7.6	7.6	7.0	7.6
77.5°	3.8	4.2	3.5	2.8	2.4	2.4	2.4	2.1	1.7	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	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)