

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: P629471

Luminaire Tested: GWS-SA1B-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3014.7 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

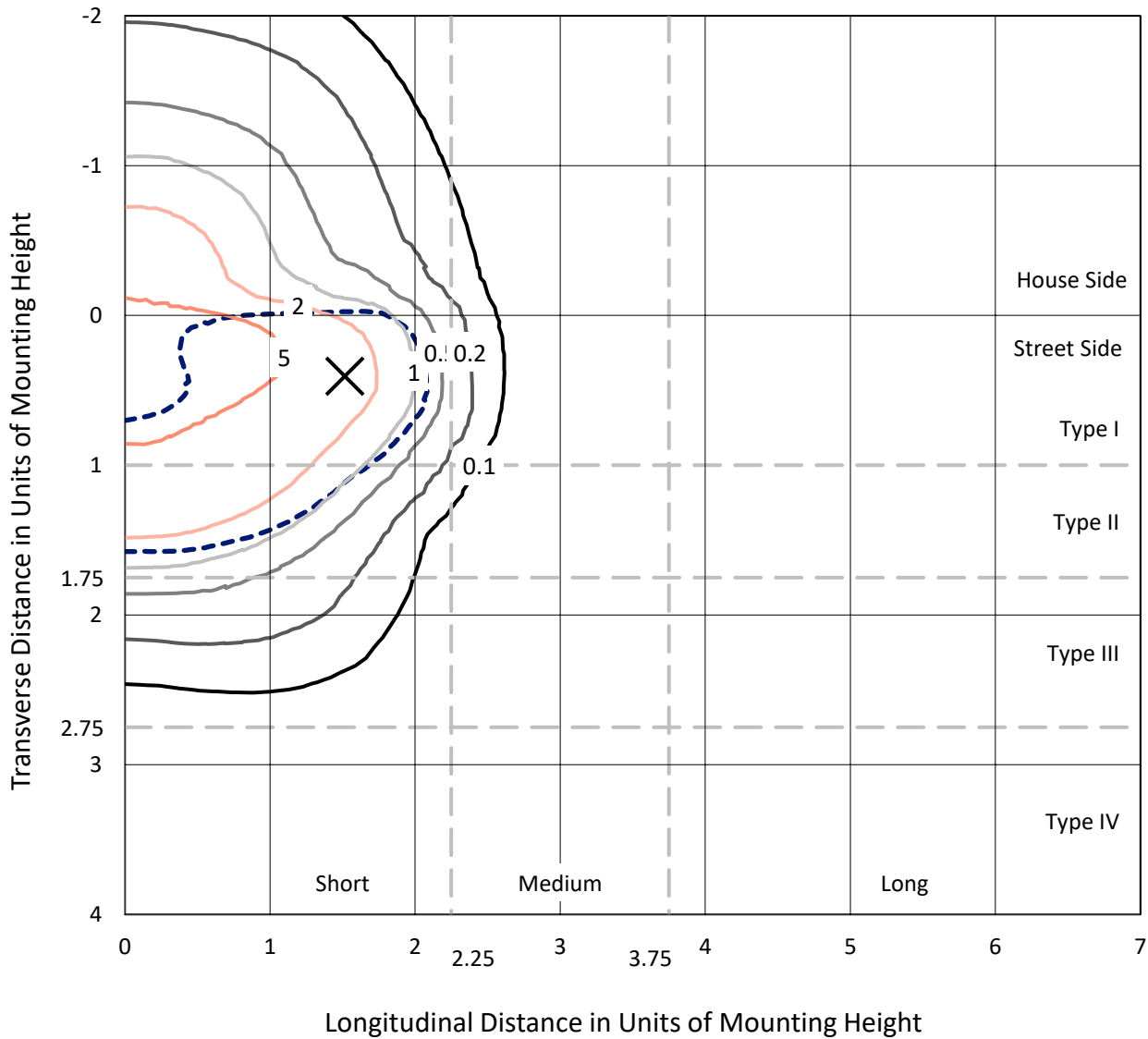
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

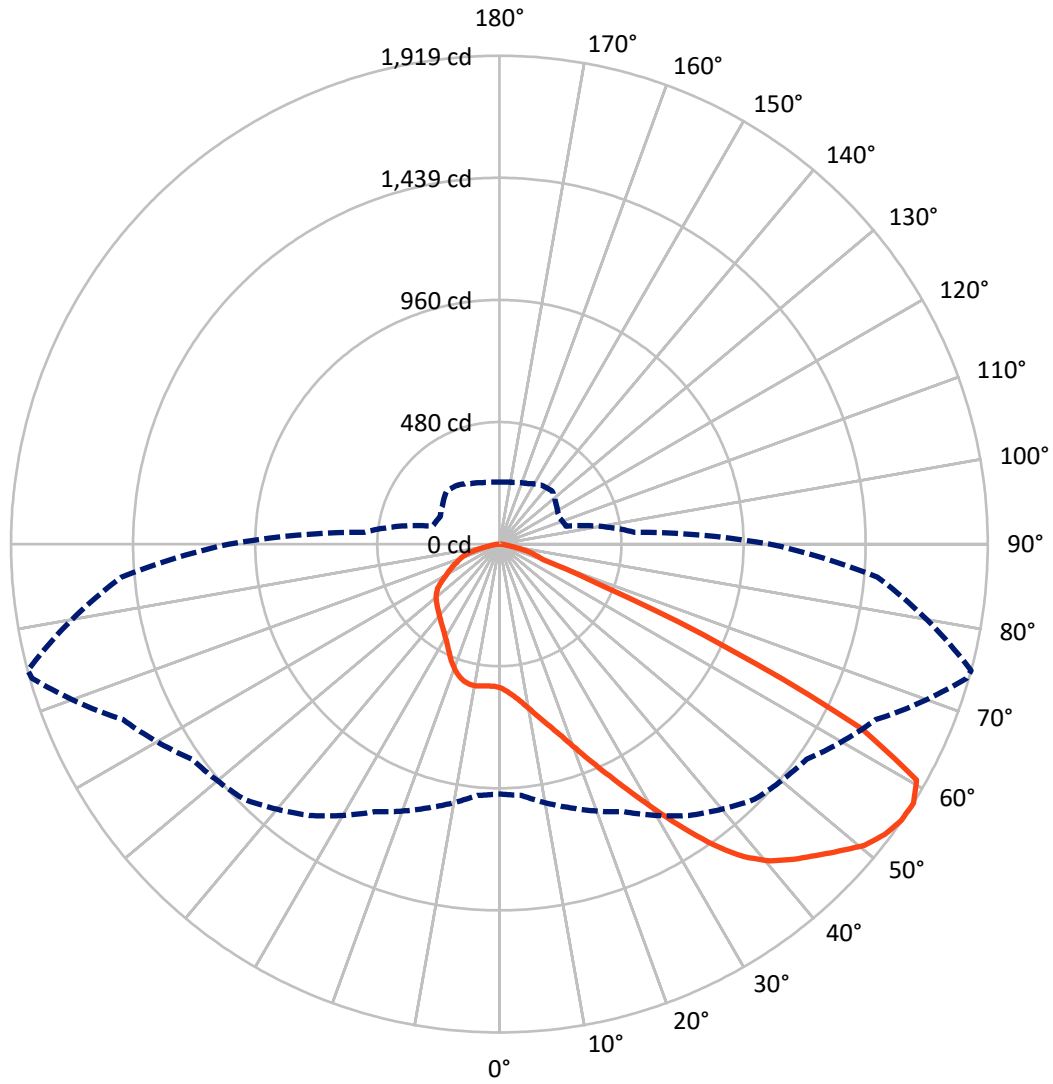
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	815.5	0.0	815.5
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2199.2	0.0	2199.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	3014.7	0.0	3014.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.9
10°-20°	179.9	6.0
20°-30°	319.0	10.6
30°-40°	488.3	16.2
40°-50°	680.0	22.6
50°-60°	779.1	25.8
60°-70°	400.3	13.3
70°-80°	100.8	3.3
80°-90°	10.8	0.4
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°	3014.7	100.0
0°-180°	3014.7	100.0

Coefficient of Utilization



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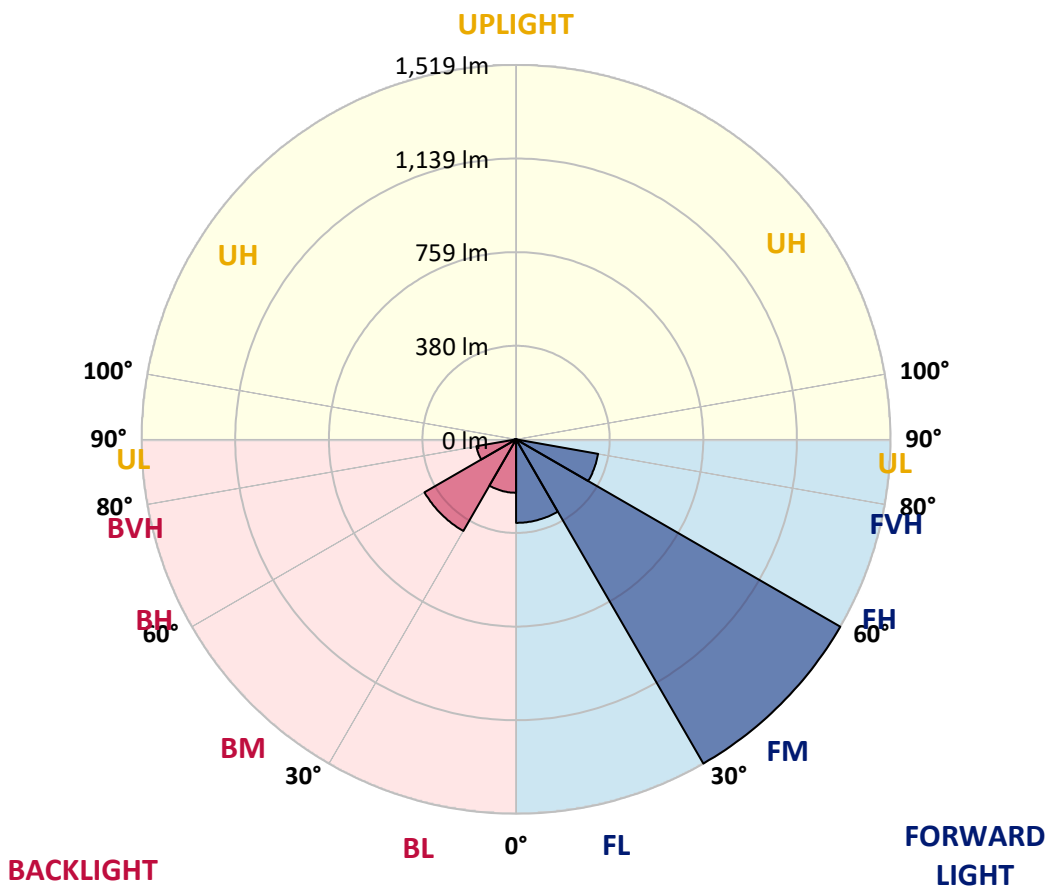
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.7	11.2			
FM (30°-60°)	1518.5	50.4			
FH (60°-80°)	337.9	11.2			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	216.7	7.2	B1/500		
BM (30°-60°)	428.9	14.2	B1/1000		
BH (60°-80°)	163.2	5.4	B1/500		G1/500
BVH (80°-90°)	6.8	0.2			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6
2.5°	606.6	608.1	606.6	609.2	604.0	601.6	595.9	587.4	580.7	579.6	572.1
5°	653.8	657.1	655.0	654.0	647.0	641.8	633.3	616.2	602.2	600.1	585.3
7.5°	684.1	686.4	686.4	687.2	684.6	678.6	669.6	649.3	629.6	626.5	604.2
10°	694.2	696.0	699.4	705.9	711.0	712.9	706.9	687.5	663.3	660.2	629.1
12.5°	696.5	698.6	703.8	715.7	730.0	742.9	744.0	729.7	702.7	699.4	657.9
15°	700.9	703.0	710.0	724.8	745.8	770.7	786.0	776.1	746.3	742.7	690.6
17.5°	700.4	702.7	713.1	732.8	761.1	797.1	826.7	830.8	800.0	793.7	727.6
20°	699.1	701.2	712.3	736.4	771.4	820.9	874.3	895.9	862.7	857.0	770.9
22.5°	709.5	711.8	720.4	740.3	776.9	839.4	918.4	970.3	937.1	929.0	820.7
25°	732.8	736.2	741.4	755.1	786.7	855.7	963.5	1054.5	1020.5	1011.0	874.9
27.5°	768.8	773.0	780.3	786.7	808.8	876.4	1008.4	1148.9	1114.9	1104.8	932.2
30°	812.9	818.4	827.7	832.1	847.1	907.0	1057.1	1246.1	1226.4	1212.4	996.7
32.5°	873.8	881.3	890.2	891.5	900.5	953.4	1105.3	1342.5	1342.2	1332.4	1070.1
35°	953.2	961.2	963.0	964.8	969.2	1017.2	1163.6	1430.4	1464.3	1452.9	1149.9
37.5°	1039.7	1051.4	1054.2	1046.2	1052.4	1093.9	1229.2	1500.9	1570.6	1558.4	1227.1
40°	1132.3	1136.9	1144.7	1132.0	1139.8	1181.8	1293.5	1546.0	1649.9	1637.0	1288.1
42.5°	1198.6	1207.2	1218.9	1214.2	1218.6	1257.0	1338.6	1567.8	1706.4	1693.5	1331.9
45°	1270.7	1273.3	1280.8	1279.8	1282.4	1318.1	1371.0	1577.4	1757.0	1745.3	1369.2
47.5°	1333.4	1337.3	1342.2	1336.5	1330.8	1354.2	1397.5	1585.6	1815.3	1801.3	1408.3
50°	1393.8	1397.2	1403.2	1386.6	1365.3	1371.3	1410.4	1597.1	1870.0	1860.2	1439.2
52.5°	1405.0	1408.6	1436.6	1440.0	1412.7	1391.8	1433.2	1622.2	1902.2	1895.9	1450.3
55°	1264.7	1271.2	1326.9	1391.0	1458.1	1451.4	1469.8	1635.4	1914.9	1916.4	1470.3
57.5°	981.7	991.0	1072.4	1160.3	1301.5	1418.5	1474.4	1632.0	1910.5	1919.0	1490.8
60°	643.9	649.3	745.8	844.3	990.7	1152.5	1319.7	1571.4	1871.3	1883.5	1485.6
62.5°	388.8	395.1	472.6	547.2	633.5	741.6	895.1	1262.9	1568.5	1595.8	1189.8
65°	271.4	279.7	347.6	409.0	438.9	416.6	453.4	705.3	977.3	988.7	727.1
67.5°	196.7	202.5	258.2	331.3	364.2	294.2	224.2	312.4	425.6	429.8	299.9
70°	128.8	135.3	185.9	252.2	297.3	238.5	167.7	169.0	179.1	181.2	174.2
72.5°	70.8	74.7	114.8	167.5	175.8	142.6	130.9	140.5	147.5	147.5	149.3
75°	36.6	39.9	46.9	55.2	66.6	78.0	94.4	108.6	116.1	116.6	115.9
77.5°	18.7	20.0	25.1	27.2	29.8	34.7	45.1	57.8	64.5	67.1	66.6
80°	8.8	9.3	10.6	12.4	15.3	19.4	24.4	29.0	33.2	33.7	36.6
82.5°	4.7	5.2	5.7	6.7	8.3	10.4	14.3	17.1	19.7	20.2	22.6
85°	1.8	2.1	2.3	2.6	3.6	4.4	6.0	8.0	9.9	9.9	11.7
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.3	1.8	1.8	3.1
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°	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6	564.6
2.5°	570.3	562.8	559.4	554.0	549.5	544.6	540.7	537.9	536.1	535.0	534.0
5°	579.6	568.2	559.1	548.3	540.7	533.5	527.5	523.4	521.3	519.7	518.7
7.5°	594.1	578.8	561.7	544.9	531.7	520.0	512.5	508.1	505.2	504.2	503.4
10°	614.1	592.8	564.6	537.9	518.2	505.5	500.3	498.2	498.5	498.0	497.7
12.5°	636.6	607.6	563.8	525.4	503.7	496.1	496.4	499.8	503.7	504.7	505.0
15°	661.0	622.1	556.3	509.4	492.3	493.0	499.8	507.8	515.1	517.9	518.4
17.5°	687.5	634.3	542.5	491.7	482.9	491.2	503.7	516.9	527.5	532.2	533.5
20°	717.0	644.7	523.1	474.4	474.1	487.9	506.0	523.4	536.8	543.1	544.1
22.5°	748.4	651.2	499.3	458.3	465.0	483.4	504.2	522.3	536.6	542.8	544.1
25°	780.0	653.2	473.1	443.5	455.7	476.4	495.4	509.9	523.4	528.8	529.8
27.5°	809.5	647.3	448.2	430.8	447.2	466.1	478.8	486.6	495.9	500.0	500.8
30°	839.6	635.3	427.2	420.7	437.6	451.8	457.5	458.0	461.7	461.7	462.2
32.5°	869.9	617.7	408.8	410.9	425.6	435.0	435.7	429.8	425.4	418.1	417.9
35°	904.9	599.8	393.8	399.7	411.6	417.3	415.0	403.6	393.0	381.1	380.5
37.5°	937.3	581.4	381.1	388.3	395.8	400.0	394.5	380.8	372.0	359.8	358.0
40°	964.0	564.8	368.9	376.4	380.0	383.6	374.8	363.7	365.0	358.2	358.0
42.5°	979.6	548.8	357.5	363.2	365.5	368.1	360.3	352.0	359.0	353.8	354.1
45°	991.0	534.8	347.1	349.2	354.9	358.8	351.5	342.2	343.7	323.8	319.1
47.5°	1004.0	527.0	337.2	335.2	345.3	352.0	340.9	327.4	318.1	298.4	296.5
50°	1017.7	524.1	326.9	321.2	333.4	339.8	326.9	310.0	297.8	287.2	286.2
52.5°	1022.4	523.9	313.9	304.3	316.5	325.6	314.7	297.6	283.1	272.7	272.2
55°	1040.8	531.4	297.3	281.3	292.7	311.3	303.3	278.7	267.0	262.3	261.8
57.5°	1062.3	532.7	271.1	256.1	271.9	294.0	283.8	262.6	249.9	244.2	243.7
60°	1053.5	500.8	243.1	236.9	254.3	277.6	268.3	249.9	235.1	229.7	229.2
62.5°	802.8	353.6	222.7	220.3	235.4	254.0	252.2	233.0	219.0	215.2	214.6
65°	482.9	248.3	203.0	202.7	213.3	231.2	233.6	218.0	203.2	197.8	197.8
67.5°	238.7	190.0	180.7	179.4	186.1	198.8	208.7	196.0	183.5	178.3	177.6
70°	168.8	167.5	164.3	160.7	162.0	167.2	171.3	160.7	147.5	142.3	141.3
72.5°	145.9	146.2	144.1	141.3	140.2	136.6	133.0	125.2	117.2	111.7	112.2
75°	113.3	113.8	115.1	114.1	111.2	107.3	103.4	93.6	87.1	81.9	80.9
77.5°	66.1	68.7	72.8	71.8	72.3	66.9	65.3	55.7	49.8	46.1	45.4
80°	37.3	38.9	40.7	42.0	40.4	38.1	34.7	29.6	27.7	25.1	24.6
82.5°	22.6	24.1	24.9	25.9	25.4	22.3	19.7	16.3	14.8	13.5	13.2
85°	11.4	12.4	13.2	13.7	12.2	10.1	9.1	7.3	6.2	5.4	5.4
87.5°	2.9	3.1	3.6	3.1	2.9	1.3	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)