

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: P629814

Luminaire Tested: GWS-SA1C-735-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3711.1 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

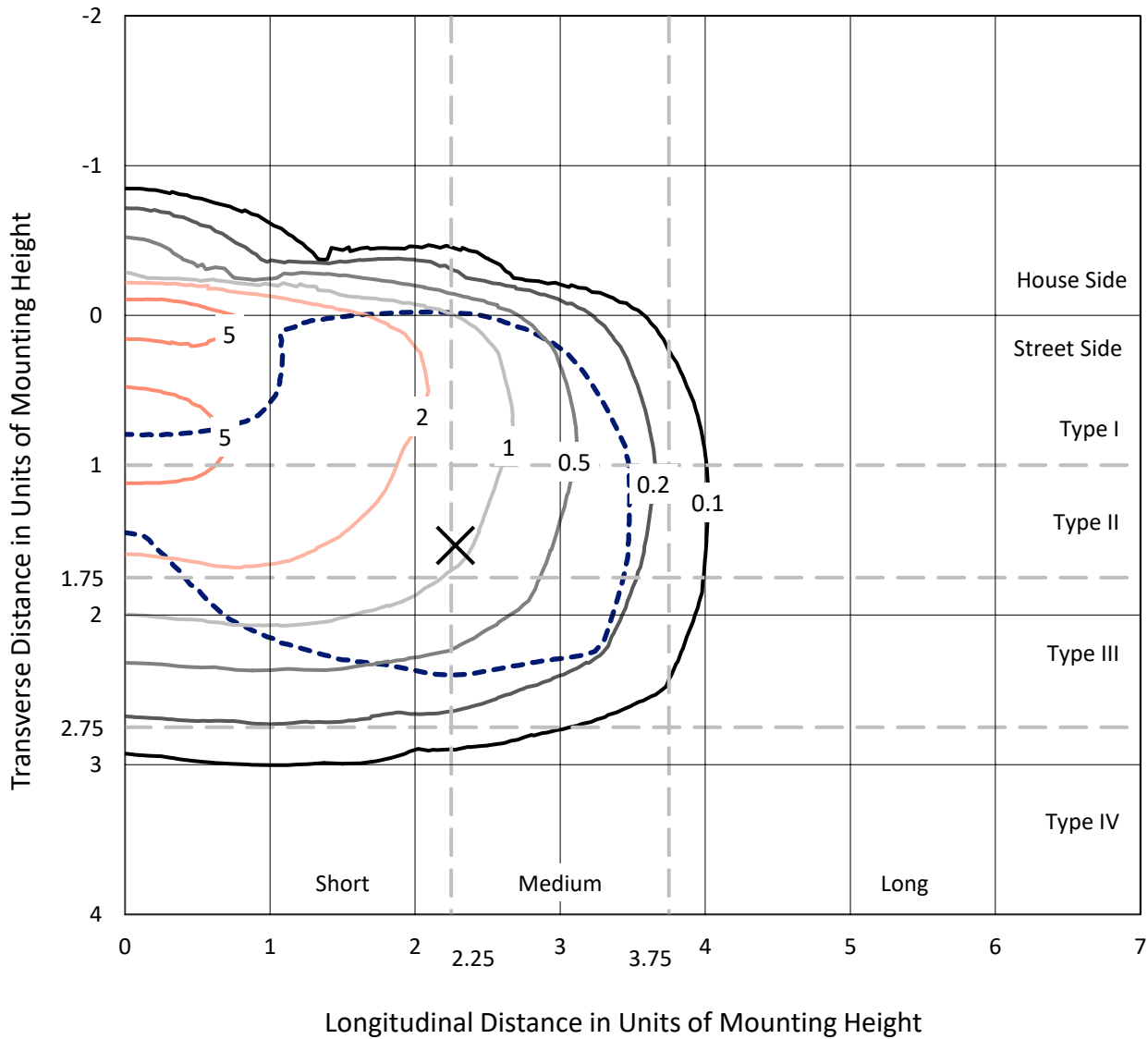
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

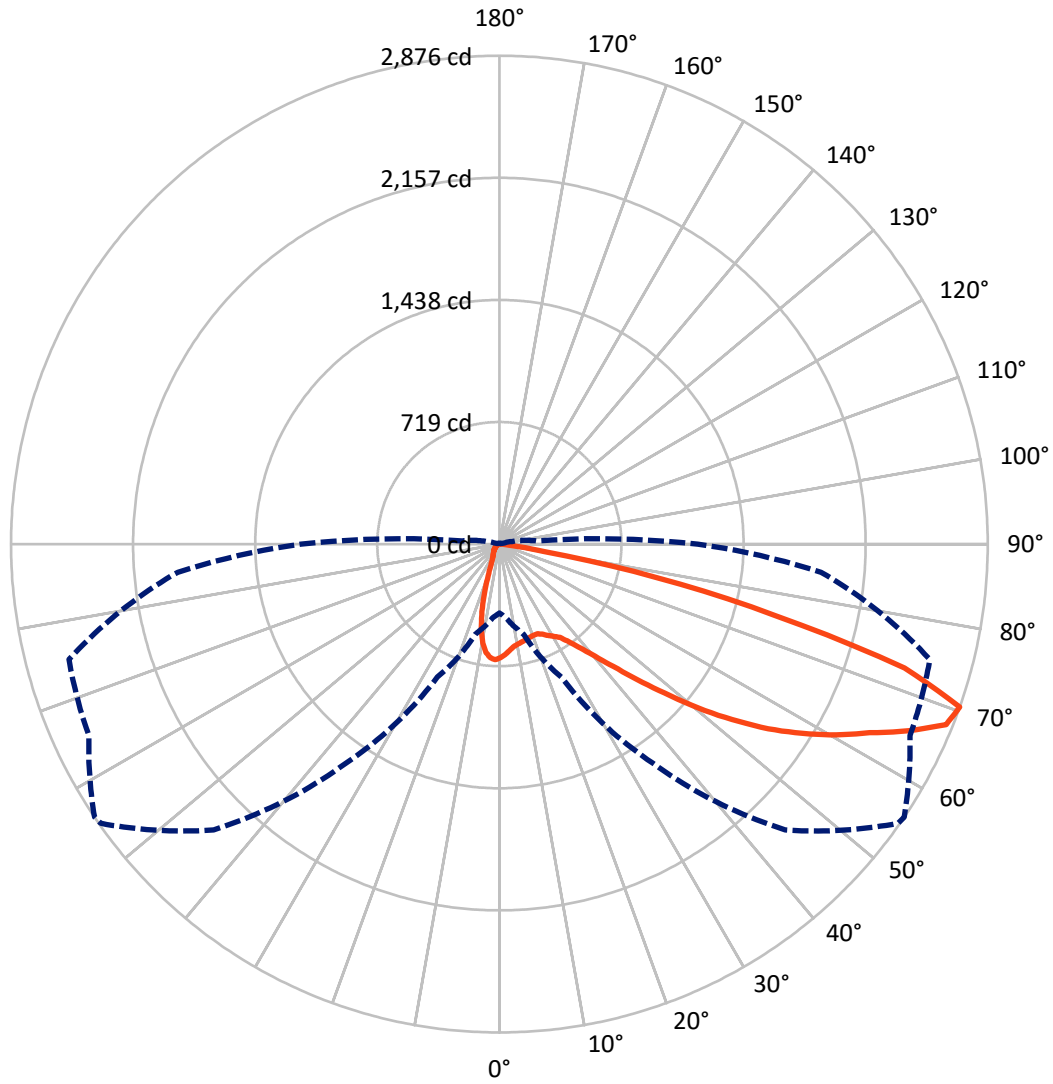
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	333.3	0.0	333.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3377.8	0.0	3377.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	3711.1	0.0	3711.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.5
10°-20°	129.2	3.5
20°-30°	204.7	5.5
30°-40°	353.0	9.5
40°-50°	596.0	16.1
50°-60°	875.8	23.6
60°-70°	1038.3	28.0
70°-80°	442.8	11.9
80°-90°	13.9	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°	3711.1	100.0
0°-180°	3711.1	100.0

Coefficient of Utilization



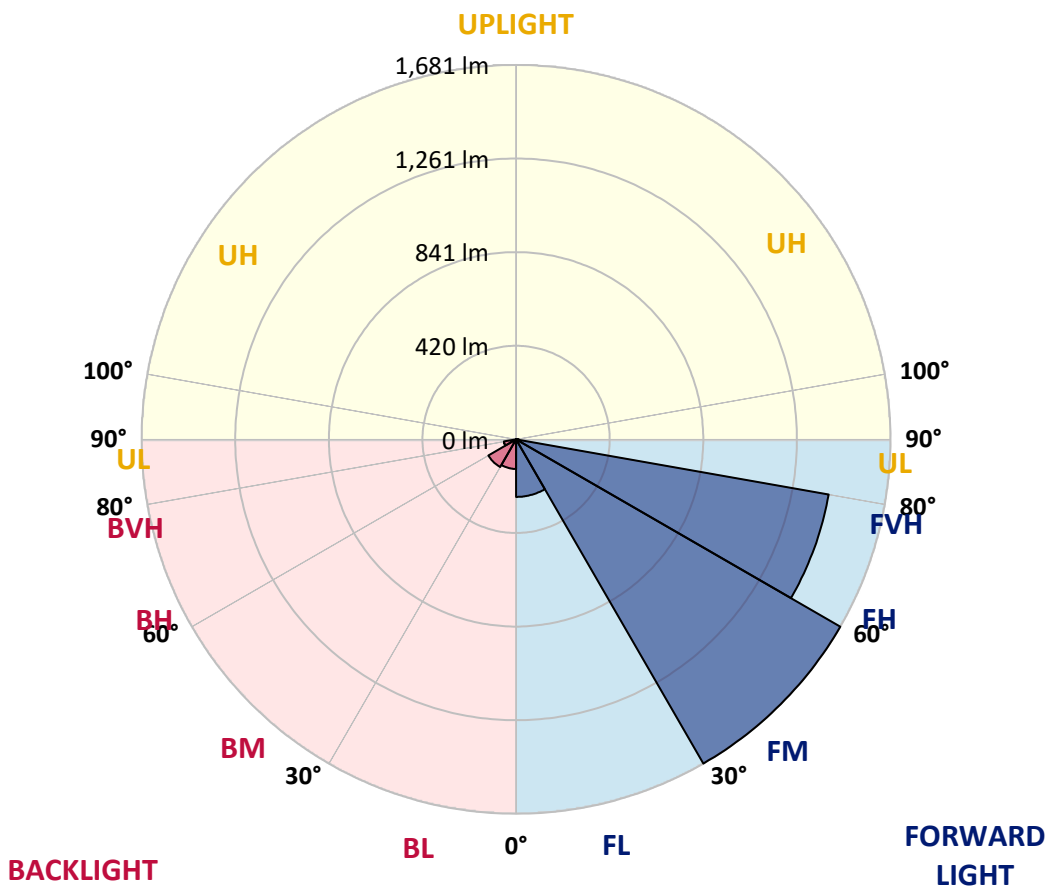
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.6	7.0			
FM (30°-60°)	1681.2	45.3			
FH (60°-80°)	1425.5	38.4			G1/1800
FVH (80°-90°)	12.5	0.3			G1/100
BL (0°-30°)	132.7	3.6	B1/500		
BM (30°-60°)	143.6	3.9	B0/220		
BH (60°-80°)	55.6	1.5	B0/110		G0/110
BVH (80°-90°)	1.4	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	622.9	621.9	622.6	627.7	637.2	641.6	649.1	650.5	656.6	664.4	667.4
5°	582.5	579.1	580.8	587.9	598.8	611.0	625.0	628.7	644.0	661.3	674.2
7.5°	545.4	541.7	545.8	557.0	572.3	585.5	606.3	608.7	633.1	663.7	687.2
10°	487.3	488.4	496.5	516.2	539.7	567.2	595.1	598.5	628.7	671.5	707.9
12.5°	442.8	440.4	449.3	471.7	504.7	544.8	586.6	591.0	629.0	683.4	734.4
15°	422.1	421.4	425.1	441.5	473.4	520.6	578.8	584.5	633.5	694.3	759.5
17.5°	422.8	421.7	421.4	430.9	454.7	502.6	570.3	577.7	637.2	706.2	786.1
20°	452.3	447.6	439.1	434.7	448.9	491.1	564.5	573.0	642.6	718.8	814.3
22.5°	514.2	515.9	493.1	469.3	462.5	492.4	563.8	573.7	654.5	738.5	848.9
25°	637.9	635.2	593.0	539.7	502.6	508.1	575.7	587.6	678.0	766.7	881.5
27.5°	792.9	795.2	737.5	652.5	575.0	540.3	597.4	609.3	705.2	784.4	903.3
30°	961.8	959.4	897.5	803.4	677.6	594.0	619.2	629.7	718.8	793.9	925.7
32.5°	1121.5	1116.0	1054.9	956.3	808.5	678.7	649.1	655.2	736.8	814.6	956.0
35°	1257.8	1257.4	1204.1	1099.0	943.1	784.7	700.4	705.5	770.4	847.6	1000.5
37.5°	1398.4	1393.7	1333.9	1238.0	1081.4	900.9	778.9	776.9	823.4	896.2	1055.2
40°	1514.0	1510.9	1465.1	1373.0	1225.1	1029.4	874.1	868.0	886.3	963.5	1131.3
42.5°	1599.6	1600.0	1585.7	1529.6	1377.4	1177.9	993.7	984.2	983.8	1065.1	1231.9
45°	1664.5	1669.0	1690.4	1681.9	1557.2	1350.9	1147.0	1137.1	1120.5	1196.9	1347.1
47.5°	1694.8	1700.6	1765.1	1799.1	1714.5	1522.5	1329.5	1308.7	1276.1	1372.3	1475.9
50°	1691.7	1701.9	1792.0	1895.3	1857.2	1696.5	1528.3	1518.4	1465.1	1557.8	1603.4
52.5°	1622.4	1644.2	1793.7	1953.8	1967.0	1856.9	1733.9	1715.5	1689.7	1751.5	1723.0
55°	1434.1	1460.6	1722.0	1972.4	2052.6	1996.9	1935.1	1920.1	1877.3	1934.4	1827.3
57.5°	1331.8	1354.6	1571.1	1963.3	2125.4	2126.4	2114.2	2101.9	2066.6	2115.2	1949.7
60°	1270.3	1293.1	1490.5	1929.6	2191.3	2263.0	2282.4	2281.0	2230.0	2320.8	2093.1
62.5°	1180.3	1211.5	1406.6	1842.3	2238.2	2397.6	2456.0	2446.9	2390.1	2534.9	2235.1
65°	998.5	1025.6	1234.6	1698.2	2210.7	2509.1	2644.3	2649.1	2583.5	2736.4	2347.3
67.5°	700.1	720.1	927.8	1395.7	2023.8	2545.8	2837.0	2836.7	2724.9	2839.7	2297.7
70°	405.8	433.3	548.2	862.9	1574.5	2378.9	2865.9	2875.7	2667.4	2623.9	1901.4
72.5°	157.0	179.8	310.6	458.4	821.1	1822.2	2465.2	2494.1	2232.4	2024.1	1323.3
75°	46.9	52.3	146.1	244.0	329.6	880.2	1669.0	1677.1	1531.3	1262.5	678.3
77.5°	35.0	38.7	63.9	123.4	115.5	266.8	863.5	943.1	812.9	451.0	186.9
80°	23.8	28.2	45.5	60.2	42.8	71.0	242.6	266.4	248.1	101.3	46.9
82.5°	10.5	13.6	32.3	30.2	15.6	20.4	74.8	79.5	51.3	30.6	16.3
85°	1.0	1.4	12.2	13.3	5.8	4.8	15.6	15.6	11.2	10.5	6.8
87.5°	0.0	0.0	0.3	0.7	0.7	1.0	1.4	1.7	2.0	2.7	3.4
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°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	675.3	671.2	676.3	680.4	681.4	673.9	669.5	663.0	661.7	662.0	660.3
5°	684.4	682.4	686.1	681.7	670.2	648.4	629.7	609.0	597.8	591.3	590.6
7.5°	701.4	700.4	696.3	676.3	640.3	592.0	545.4	499.9	471.7	461.5	459.8
10°	726.6	724.5	707.9	660.3	583.5	490.7	412.6	347.3	307.6	296.0	281.7
12.5°	755.5	751.4	715.0	626.0	497.9	369.4	271.9	198.8	164.5	154.3	154.3
15°	783.3	774.5	710.9	569.2	392.5	240.3	151.9	114.9	104.3	101.6	101.6
17.5°	811.9	794.9	695.0	491.8	271.2	142.1	101.3	94.1	92.8	93.1	93.5
20°	838.7	812.2	666.8	398.6	173.0	99.2	90.7	89.0	88.4	89.0	88.7
22.5°	868.0	828.2	623.9	297.0	112.5	89.4	86.3	85.0	84.3	85.3	85.3
25°	896.8	839.7	567.2	199.8	89.4	83.3	81.6	80.2	79.5	79.9	79.9
27.5°	911.8	835.3	492.8	127.4	80.2	77.1	75.4	73.7	72.7	72.4	72.7
30°	922.0	821.7	401.7	90.7	72.7	69.0	67.3	65.9	63.2	61.5	62.2
32.5°	938.0	808.1	302.8	76.1	66.6	60.8	58.1	54.7	51.0	49.3	49.3
35°	957.0	789.5	212.4	68.6	60.2	54.0	48.9	43.2	38.7	37.4	37.4
37.5°	982.1	771.8	141.4	63.6	54.7	48.3	41.1	34.3	29.6	28.9	28.5
40°	1019.9	756.8	99.6	59.8	50.0	42.1	33.6	26.5	23.1	22.1	22.1
42.5°	1068.8	741.5	78.8	56.1	45.9	36.4	26.8	21.1	18.4	17.7	17.3
45°	1129.3	723.5	68.6	52.7	41.8	30.2	21.4	17.7	15.6	15.0	15.0
47.5°	1194.9	699.1	63.9	48.3	37.0	24.5	18.0	15.3	14.3	13.9	13.6
50°	1259.5	666.1	59.8	44.2	31.6	20.1	15.6	13.9	13.3	12.9	12.9
52.5°	1315.9	627.7	54.7	39.4	25.8	17.3	13.9	12.9	12.2	11.6	11.2
55°	1364.1	585.9	48.3	34.0	21.1	15.3	12.9	11.9	11.2	10.5	10.2
57.5°	1426.3	562.1	38.7	27.5	17.3	13.6	11.9	10.9	10.2	9.2	9.2
60°	1495.3	544.8	28.9	21.7	15.0	12.6	10.9	9.9	9.2	8.2	8.2
62.5°	1550.7	518.9	22.8	17.7	12.9	11.2	9.9	8.8	8.2	7.1	7.1
65°	1571.8	465.6	18.7	13.9	10.5	9.9	8.8	8.2	7.1	6.1	6.1
67.5°	1476.6	358.9	15.6	11.2	8.8	8.5	7.8	7.5	6.1	5.4	5.1
70°	1169.4	218.9	12.9	9.2	7.5	7.1	7.1	6.5	5.4	5.1	4.8
72.5°	801.3	112.8	10.5	7.5	6.5	6.5	6.1	5.8	5.1	4.8	4.8
75°	416.3	37.7	8.2	5.8	5.1	5.4	5.4	5.1	4.8	4.8	4.4
77.5°	119.3	17.0	6.1	4.4	4.1	4.1	4.4	4.4	4.4	4.1	4.1
80°	30.9	9.9	4.4	3.4	3.4	3.4	3.4	3.7	4.1	3.7	3.7
82.5°	12.6	5.4	3.1	2.7	2.7	2.7	2.7	3.1	3.4	3.4	3.4
85°	7.8	2.7	2.4	2.4	2.4	2.0	2.0	2.4	2.4	2.7	2.7
87.5°	4.8	2.0	2.0	2.0	2.0	1.7	1.7	1.7	1.7	1.7	1.7
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)