

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: P629922

Luminaire Tested: GWS-SA1C-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629922
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3848.9 lumens
Efficiency: N/A
Efficacy: 112.9 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

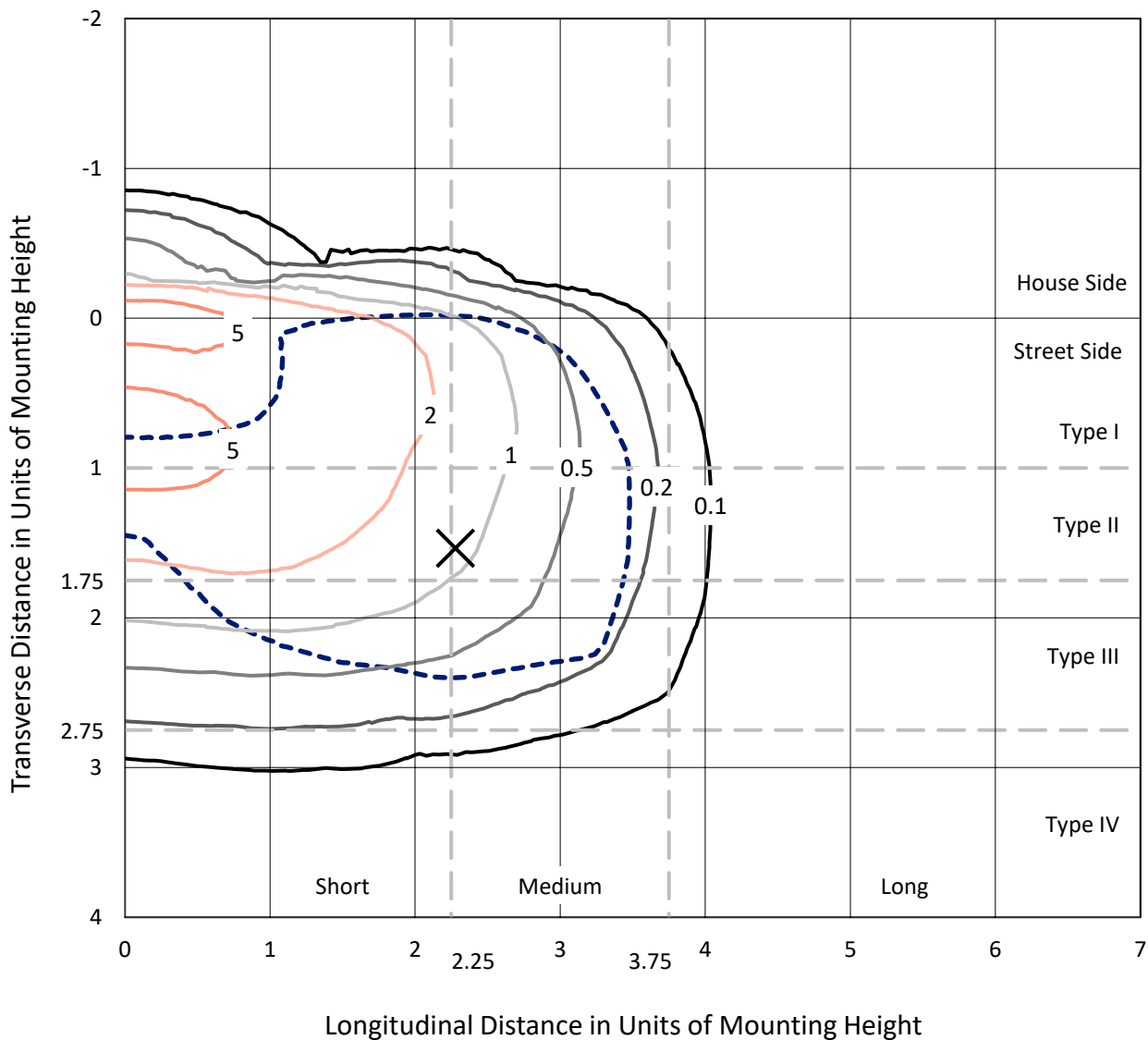
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

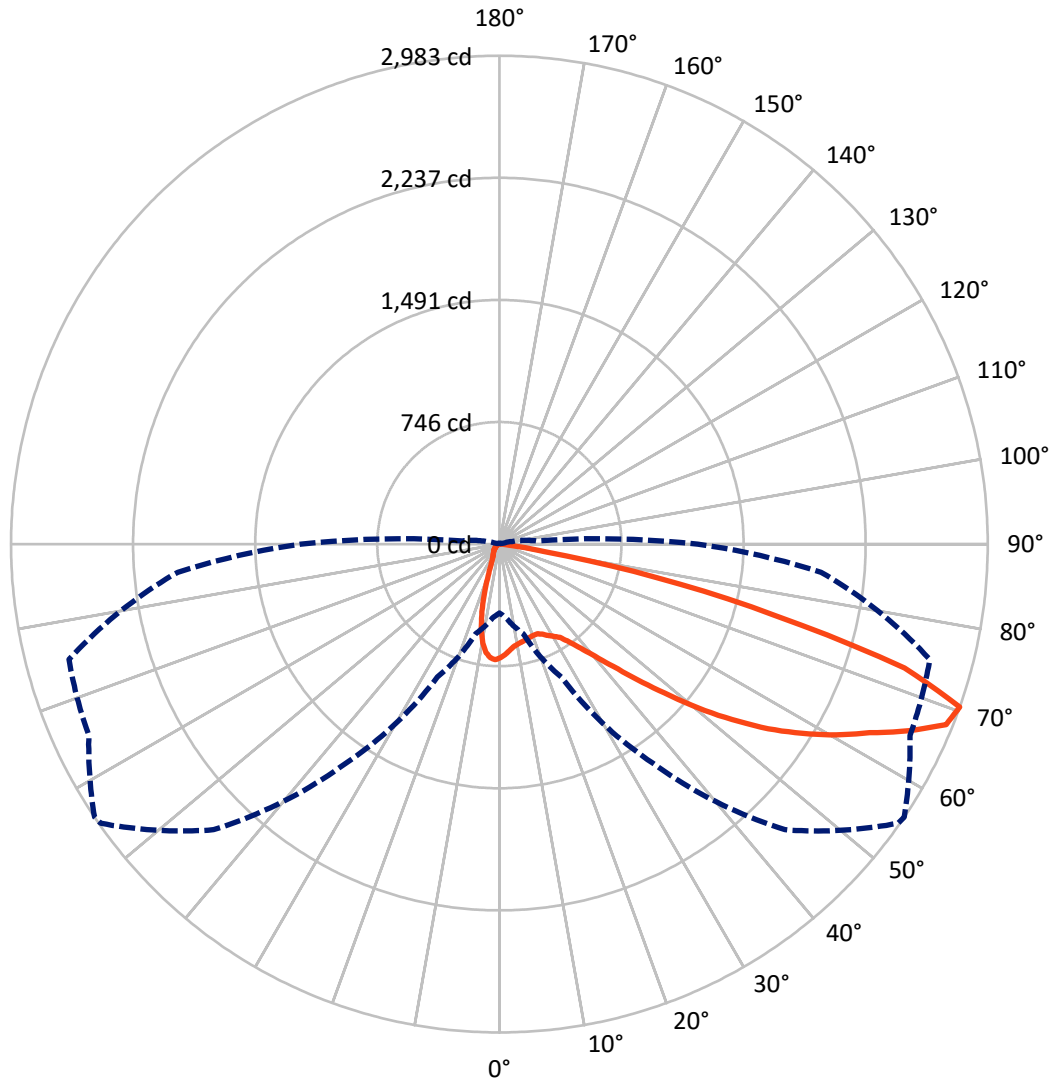
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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	345.7	0.0	345.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3503.2	0.0	3503.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	3848.9	0.0	3848.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.5
10°-20°	134.0	3.5
20°-30°	212.3	5.5
30°-40°	366.1	9.5
40°-50°	618.2	16.1
50°-60°	908.3	23.6
60°-70°	1076.8	28.0
70°-80°	459.2	11.9
80°-90°	14.4	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°	3848.9	100.0
0°-180°	3848.9	100.0

Coefficient of Utilization



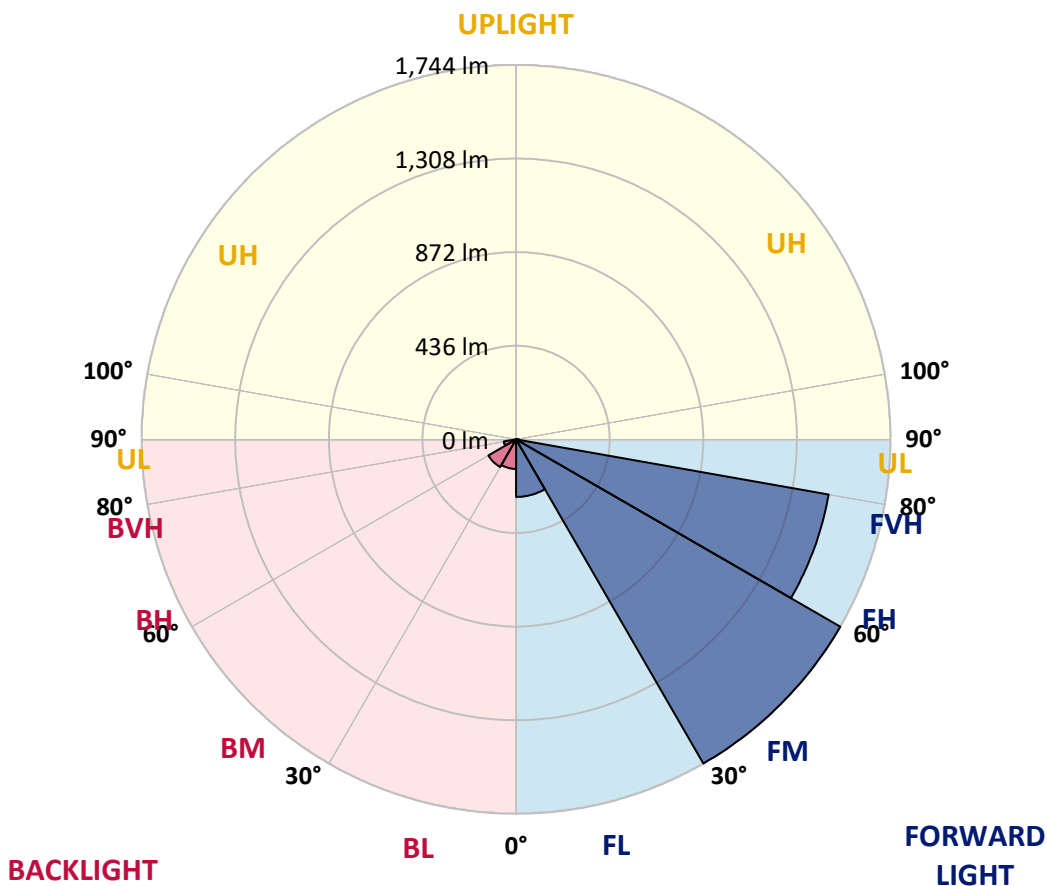
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.2	7.0			
FM (30°-60°)	1743.6	45.3			
FH (60°-80°)	1478.4	38.4			G1/1800
FVH (80°-90°)	13.0	0.3			G1/100
BL (0°-30°)	137.7	3.6	B1/500		
BM (30°-60°)	148.9	3.9	B0/220		
BH (60°-80°)	57.7	1.5	B0/110		G0/110
BVH (80°-90°)	1.5	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°	694.0	694.0	694.0	694.0	694.0	694.0	694.0	694.0	694.0	694.0	694.0
2.5°	646.1	645.0	645.7	651.0	660.9	665.4	673.2	674.6	681.0	689.1	692.2
5°	604.1	600.6	602.4	609.8	621.0	633.7	648.2	652.1	667.9	685.9	699.3
7.5°	565.7	561.8	566.1	577.7	593.5	607.3	628.8	631.3	656.6	688.4	712.7
10°	505.4	506.5	514.9	535.4	559.7	588.3	617.2	620.7	652.1	696.5	734.2
12.5°	459.3	456.8	466.0	489.2	523.4	565.0	608.3	612.9	652.4	708.8	761.7
15°	437.8	437.1	440.9	457.8	491.0	540.0	600.2	606.2	657.0	720.1	787.7
17.5°	438.5	437.4	437.1	446.9	471.6	521.3	591.4	599.2	660.9	732.4	815.2
20°	469.1	464.2	455.4	450.8	465.6	509.3	585.4	594.2	666.5	745.5	844.5
22.5°	533.3	535.0	511.4	486.7	479.7	510.7	584.7	595.0	678.8	765.9	880.4
25°	661.6	658.7	615.0	559.7	521.3	526.9	597.1	609.4	703.2	795.2	914.3
27.5°	822.3	824.8	764.8	676.7	596.4	560.4	619.6	632.0	731.4	813.5	936.8
30°	997.5	995.0	930.8	833.2	702.8	616.1	642.2	653.1	745.5	823.3	960.1
32.5°	1163.1	1157.5	1094.0	991.8	838.5	703.9	673.2	679.5	764.1	844.8	991.5
35°	1304.5	1304.1	1248.8	1139.9	978.1	813.8	726.4	731.7	799.0	879.0	1037.6
37.5°	1450.4	1445.4	1383.4	1284.0	1121.5	934.4	807.8	805.7	854.0	929.4	1094.4
40°	1570.2	1567.0	1519.5	1423.9	1270.6	1067.6	906.5	900.2	919.2	999.2	1173.3
42.5°	1659.0	1659.4	1644.6	1586.4	1428.5	1221.6	1030.6	1020.7	1020.4	1104.6	1277.7
45°	1726.4	1730.9	1753.1	1744.3	1615.0	1401.0	1189.6	1179.3	1162.1	1241.4	1397.2
47.5°	1757.7	1763.7	1830.7	1865.9	1778.2	1579.0	1378.8	1357.3	1323.5	1423.2	1530.7
50°	1754.6	1765.1	1858.5	1965.7	1926.2	1759.5	1585.0	1574.8	1519.5	1615.7	1662.9
52.5°	1682.6	1705.2	1860.3	2026.3	2040.0	1925.8	1798.3	1779.2	1752.4	1816.6	1787.0
55°	1487.4	1514.9	1785.9	2045.7	2128.9	2071.1	2006.9	1991.4	1947.0	2006.2	1895.2
57.5°	1381.3	1404.9	1629.4	2036.2	2204.3	2205.3	2192.7	2180.0	2143.3	2193.7	2022.1
60°	1317.5	1341.1	1545.9	2001.3	2272.7	2347.0	2367.1	2365.7	2312.8	2407.0	2170.8
62.5°	1224.1	1256.5	1458.8	1910.7	2321.3	2486.6	2547.2	2537.7	2478.9	2629.0	2318.1
65°	1035.5	1063.7	1280.5	1761.2	2292.8	2602.2	2742.5	2747.4	2679.4	2838.0	2434.4
67.5°	726.1	746.9	962.2	1447.6	2098.9	2640.3	2942.3	2942.0	2826.0	2945.2	2383.0
70°	420.8	449.4	568.5	894.9	1633.0	2467.2	2972.3	2982.5	2766.5	2721.4	1972.0
72.5°	162.8	186.5	322.1	475.5	851.5	1889.9	2556.8	2586.7	2315.3	2099.3	1372.5
75°	48.6	54.3	151.6	253.1	341.9	912.9	1730.9	1739.4	1588.2	1309.4	703.5
77.5°	36.3	40.2	66.3	127.9	119.8	276.7	895.6	978.1	843.1	467.7	193.9
80°	24.7	29.3	47.2	62.4	44.4	73.7	251.7	276.3	257.3	105.0	48.6
82.5°	10.9	14.1	33.5	31.4	16.2	21.1	77.5	82.5	53.2	31.7	16.9
85°	1.1	1.4	12.7	13.7	6.0	4.9	16.2	16.2	11.6	10.9	7.0
87.5°	0.0	0.0	0.4	0.7	0.7	1.1	1.4	1.8	2.1	2.8	3.5
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°	694.0	694.0	694.0	694.0	694.0	694.0	694.0	694.0	694.0	694.0	694.0
2.5°	700.3	696.1	701.4	705.6	706.7	698.9	694.3	687.7	686.2	686.6	684.8
5°	709.9	707.7	711.6	707.0	695.1	672.5	653.1	631.6	620.0	613.3	612.6
7.5°	727.5	726.4	722.2	701.4	664.0	614.0	565.7	518.5	489.2	478.6	476.9
10°	753.6	751.4	734.2	684.8	605.2	509.0	427.9	360.2	319.0	307.0	292.2
12.5°	783.5	779.3	741.6	649.2	516.4	383.1	282.0	206.2	170.6	160.0	160.0
15°	812.4	803.3	737.3	590.4	407.1	249.2	157.5	119.1	108.2	105.4	105.4
17.5°	842.0	824.4	720.8	510.0	281.3	147.3	105.0	97.6	96.2	96.6	96.9
20°	869.9	842.4	691.5	413.4	179.4	102.9	94.1	92.3	91.6	92.3	92.0
22.5°	900.2	858.9	647.1	308.1	116.7	92.7	89.5	88.1	87.4	88.5	88.5
25°	930.1	870.9	588.3	207.2	92.7	86.4	84.6	83.2	82.5	82.8	82.8
27.5°	945.7	866.3	511.1	132.2	83.2	80.0	78.2	76.5	75.4	75.1	75.4
30°	956.2	852.3	416.6	94.1	75.4	71.5	69.8	68.4	65.6	63.8	64.5
32.5°	972.8	838.2	314.0	79.0	69.1	63.1	60.3	56.7	52.9	51.1	51.1
35°	992.5	818.8	220.3	71.2	62.4	56.0	50.8	44.8	40.2	38.8	38.8
37.5°	1018.6	800.4	146.6	65.9	56.7	50.0	42.6	35.6	30.7	30.0	29.6
40°	1057.7	784.9	103.3	62.0	51.8	43.7	34.9	27.5	24.0	22.9	22.9
42.5°	1108.5	769.1	81.8	58.2	47.6	37.7	27.8	21.9	19.0	18.3	18.0
45°	1171.2	750.4	71.2	54.6	43.4	31.4	22.2	18.3	16.2	15.5	15.5
47.5°	1239.3	725.0	66.3	50.0	38.4	25.4	18.7	15.9	14.8	14.5	14.1
50°	1306.2	690.8	62.0	45.8	32.8	20.8	16.2	14.5	13.7	13.4	13.4
52.5°	1364.7	651.0	56.7	40.9	26.8	18.0	14.5	13.4	12.7	12.0	11.6
55°	1414.8	607.6	50.0	35.2	21.9	15.9	13.4	12.3	11.6	10.9	10.6
57.5°	1479.3	583.0	40.2	28.5	18.0	14.1	12.3	11.3	10.6	9.5	9.5
60°	1550.8	565.0	30.0	22.6	15.5	13.0	11.3	10.2	9.5	8.5	8.5
62.5°	1608.3	538.2	23.6	18.3	13.4	11.6	10.2	9.2	8.5	7.4	7.4
65°	1630.1	482.9	19.4	14.5	10.9	10.2	9.2	8.5	7.4	6.3	6.3
67.5°	1531.4	372.2	16.2	11.6	9.2	8.8	8.1	7.8	6.3	5.6	5.3
70°	1212.8	227.0	13.4	9.5	7.8	7.4	7.4	6.7	5.6	5.3	4.9
72.5°	831.1	117.0	10.9	7.8	6.7	6.7	6.3	6.0	5.3	4.9	4.9
75°	431.8	39.1	8.5	6.0	5.3	5.6	5.6	5.3	4.9	4.9	4.6
77.5°	123.7	17.6	6.3	4.6	4.2	4.2	4.6	4.6	4.6	4.2	4.2
80°	32.1	10.2	4.6	3.5	3.5	3.5	3.5	3.9	4.2	3.9	3.9
82.5°	13.0	5.6	3.2	2.8	2.8	2.8	2.8	3.2	3.5	3.5	3.5
85°	8.1	2.8	2.5	2.5	2.5	2.1	2.1	2.5	2.5	2.8	2.8
87.5°	4.9	2.1	2.1	2.1	2.1	1.8	1.8	1.8	1.8	1.8	1.8
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)