

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: P630136

Luminaire Tested: GWS-SA1D-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2758.2 lumens
Efficiency: N/A
Efficacy: 62.3 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

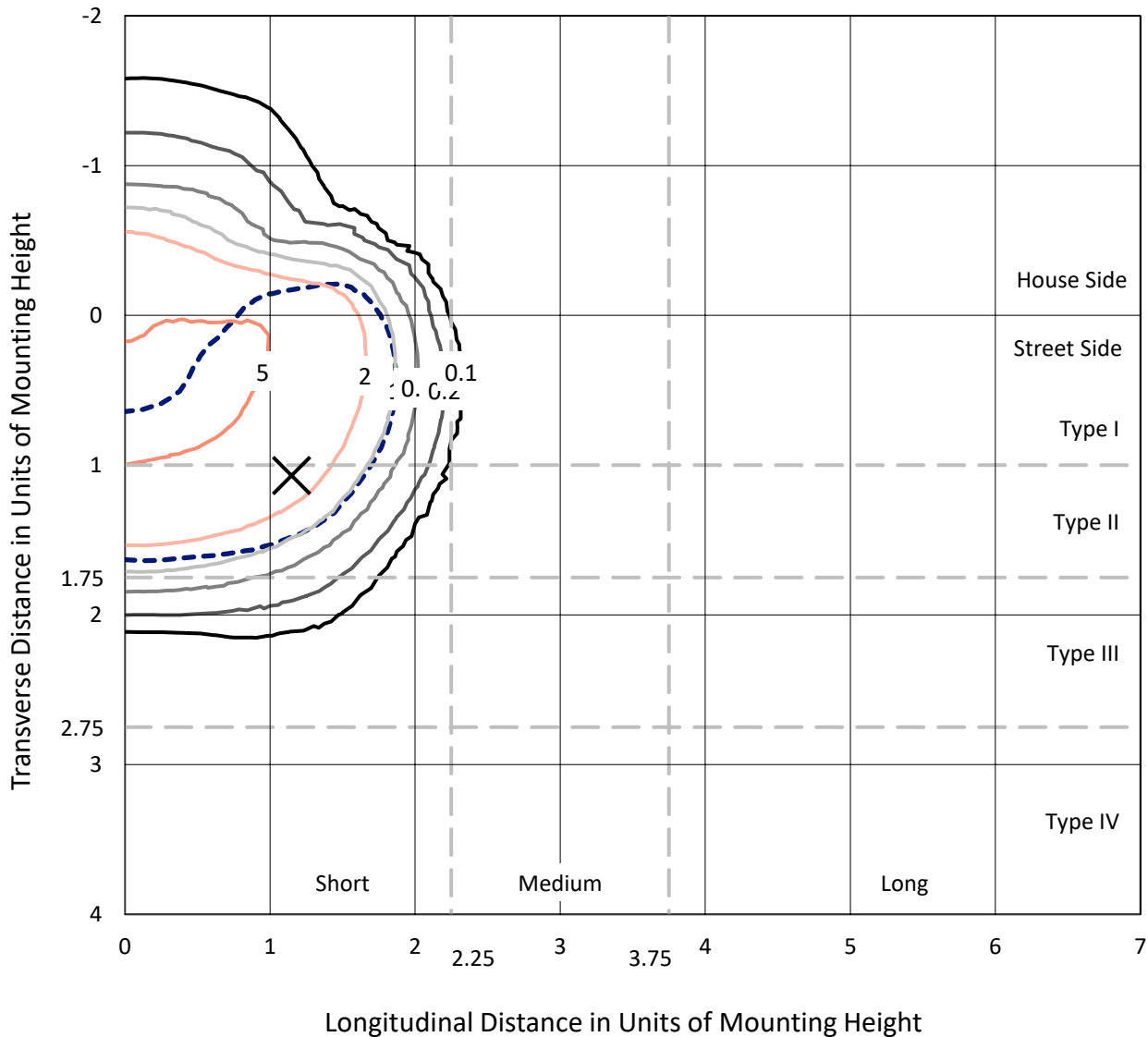
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

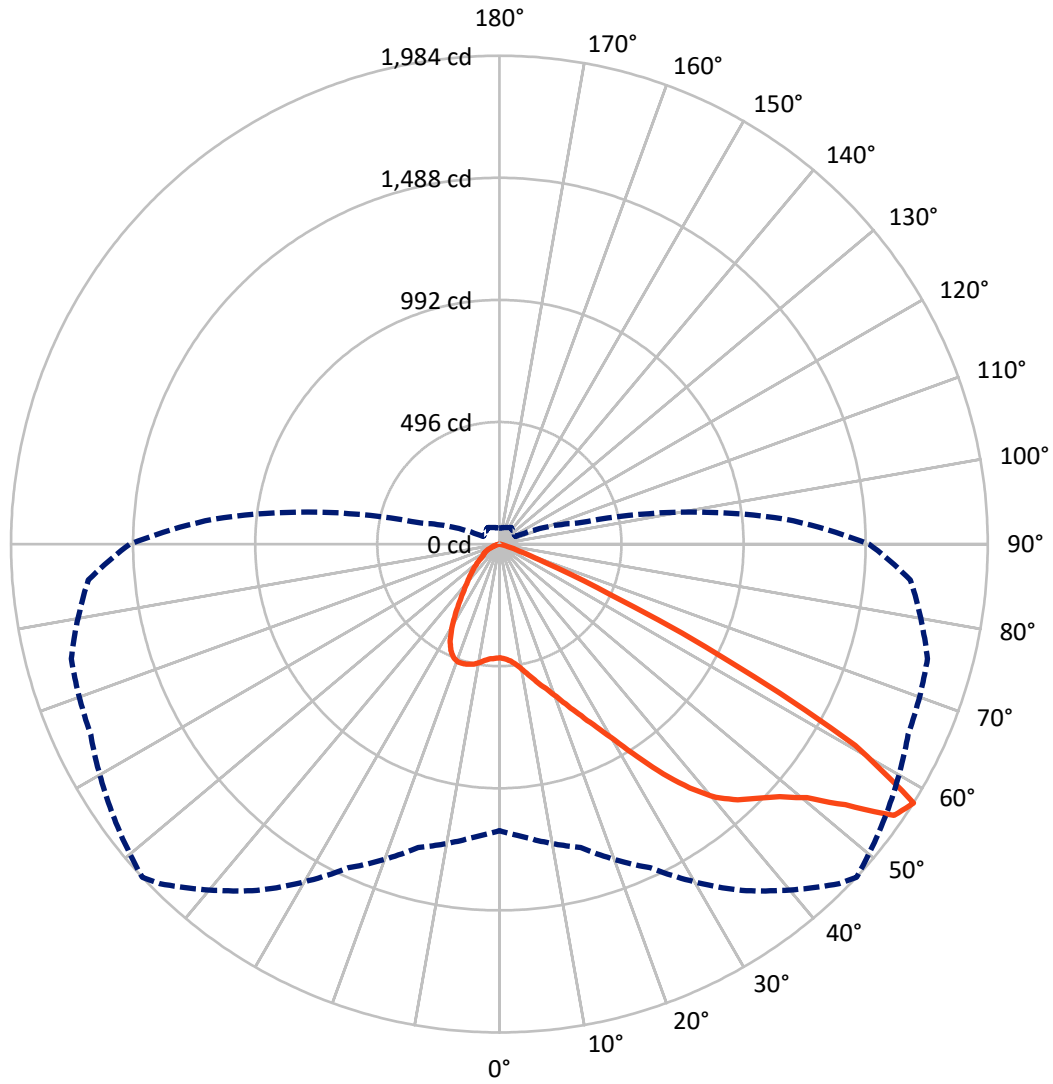
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	598.4	0.0	598.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2159.8	0.0	2159.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	2758.2	0.0	2758.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.7
10°-20°	155.0	5.6
20°-30°	287.8	10.4
30°-40°	460.7	16.7
40°-50°	673.4	24.4
50°-60°	831.2	30.1
60°-70°	277.7	10.1
70°-80°	25.9	0.9
80°-90°	0.5	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°	2758.2	100.0
0°-180°	2758.2	100.0

Coefficient of Utilization



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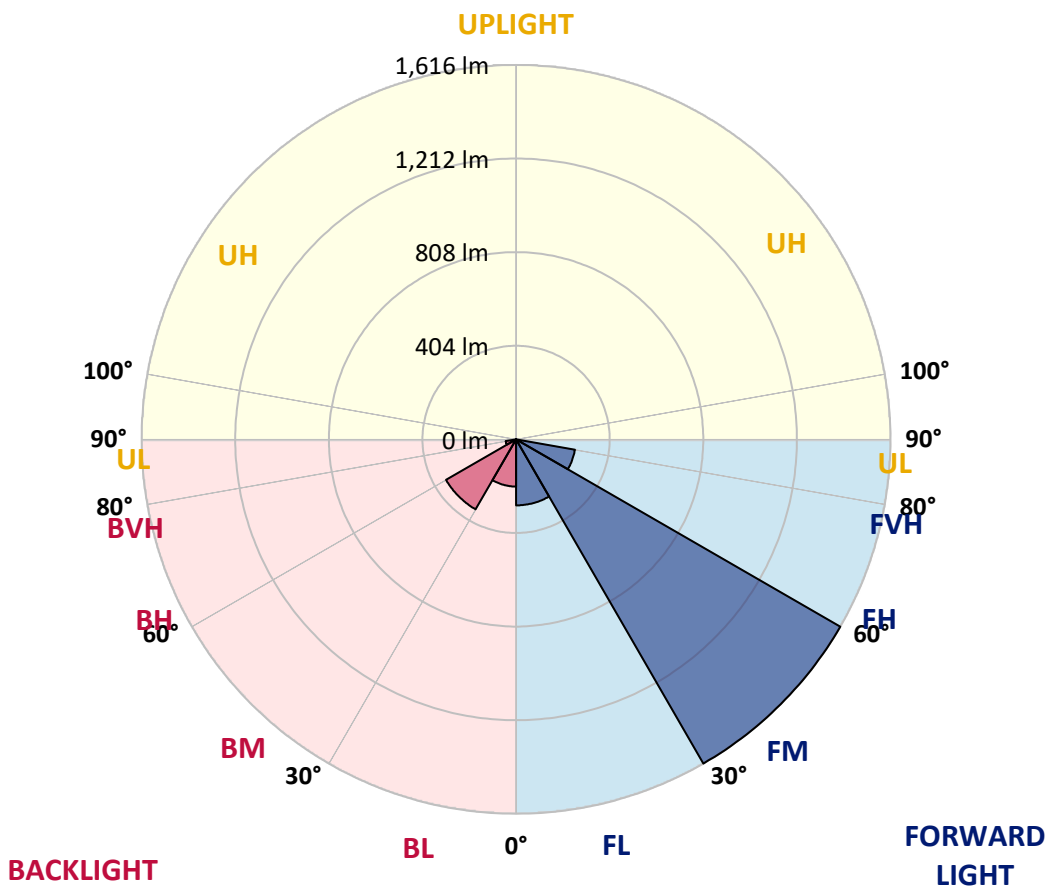
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	285.0	10.3			
FM (30°-60°)	1616.3	58.6			
FH (60°-80°)	258.1	9.4			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	203.7	7.4	B1/500		
BM (30°-60°)	349.0	12.7	B1/1000		
BH (60°-80°)	45.5	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	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°	47°	55°	65°	75°	85°
0°	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7
2.5°	466.5	466.2	465.9	467.8	467.2	466.8	467.5	467.5	467.5	465.6	461.7
5°	477.7	477.7	477.4	479.3	477.7	476.8	477.1	477.1	475.8	472.3	467.5
7.5°	495.3	494.7	494.1	496.0	494.4	494.1	494.7	492.8	490.5	484.8	478.1
10°	520.6	520.6	519.7	521.6	520.3	519.7	519.7	518.4	514.2	505.3	495.3
12.5°	555.5	553.9	551.7	550.1	549.5	549.1	549.5	547.5	543.1	531.5	517.8
15°	593.6	592.4	588.8	586.3	582.8	582.1	584.0	582.4	578.0	562.3	542.7
17.5°	641.7	643.3	634.3	628.9	618.6	618.0	618.6	621.2	618.0	597.8	569.3
20°	682.7	683.9	677.2	673.4	664.1	659.9	661.2	665.4	661.8	638.2	598.5
22.5°	726.5	728.1	721.1	713.1	708.9	708.9	713.7	719.5	714.7	683.6	631.8
25°	779.0	780.3	774.6	764.0	756.6	765.9	773.0	788.3	780.3	738.1	671.1
27.5°	839.2	839.6	831.2	820.3	816.5	833.8	840.8	864.5	861.3	799.2	712.8
30°	903.6	903.9	902.0	894.6	891.1	913.8	923.5	957.7	955.5	875.1	769.4
32.5°	970.5	970.5	974.0	973.4	977.6	1014.7	1030.1	1069.1	1066.9	968.0	839.9
35°	1037.8	1038.1	1044.2	1059.5	1076.8	1126.1	1146.3	1193.7	1188.6	1079.1	929.9
37.5°	1114.3	1111.1	1119.4	1142.5	1180.9	1237.9	1257.1	1302.2	1296.5	1192.7	1047.4
40°	1206.5	1200.7	1200.7	1227.6	1271.2	1336.8	1353.2	1375.6	1356.0	1284.6	1162.6
42.5°	1308.3	1302.9	1295.8	1319.5	1356.0	1407.3	1420.7	1414.6	1398.6	1371.4	1293.9
45°	1411.4	1403.1	1407.9	1422.3	1443.5	1467.8	1472.9	1444.7	1437.4	1445.1	1402.5
47.5°	1489.9	1484.1	1496.0	1516.1	1533.4	1537.0	1533.4	1494.4	1493.7	1520.9	1477.7
50°	1516.1	1516.8	1549.4	1593.6	1621.5	1624.4	1619.6	1574.7	1568.7	1576.7	1518.4
52.5°	1518.7	1521.3	1569.0	1653.2	1729.1	1763.7	1759.8	1711.5	1651.9	1643.3	1579.9
55°	1456.9	1472.0	1538.6	1661.5	1822.9	1933.4	1946.2	1853.6	1765.3	1757.9	1712.1
57.5°	1164.6	1195.3	1275.7	1450.8	1718.2	1951.0	1984.3	1917.7	1832.2	1800.8	1676.6
60°	696.1	734.2	811.4	1026.2	1307.7	1603.6	1660.9	1670.2	1630.8	1540.2	1286.2
62.5°	298.7	295.5	390.6	555.2	777.8	1019.2	1045.1	1085.5	1119.7	1025.0	780.6
65°	102.5	111.4	155.0	250.4	389.4	473.3	496.3	532.5	581.2	479.7	285.9
67.5°	63.4	67.2	89.3	147.9	210.0	206.8	196.6	190.8	185.7	127.1	78.4
70°	46.1	49.3	62.8	101.8	141.2	99.3	86.1	69.8	77.5	71.4	55.7
72.5°	31.1	33.6	43.2	61.8	72.4	48.3	44.8	50.9	61.5	58.6	45.5
75°	18.6	20.2	24.7	30.1	29.5	25.0	25.3	35.9	47.1	43.9	32.3
77.5°	12.8	13.4	16.3	19.5	14.4	7.7	7.0	9.9	16.0	16.0	10.9
80°	3.2	4.2	4.2	2.6	2.2	1.9	1.9	2.9	4.5	3.2	1.6
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
87.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6
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°	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7	461.7
2.5°	464.0	460.1	462.7	462.0	464.0	464.6	461.7	461.1	461.4	457.6	456.3
5°	468.4	464.0	465.2	464.0	466.2	468.1	467.2	468.4	470.1	467.2	465.9
7.5°	478.1	473.6	473.3	471.3	474.5	475.8	475.5	479.0	482.2	480.3	478.4
10°	494.7	488.6	488.0	486.4	487.3	488.3	484.8	485.4	488.3	486.1	485.1
12.5°	515.2	507.8	506.2	502.4	502.4	497.6	489.9	488.3	490.5	488.9	487.3
15°	537.3	527.4	524.8	518.1	511.7	502.7	494.7	492.8	494.4	492.5	491.2
17.5°	561.9	550.7	542.4	530.6	516.5	505.9	496.9	492.8	490.2	486.4	486.1
20°	586.3	571.6	557.5	538.6	520.0	504.0	489.3	478.4	469.1	463.3	461.1
22.5°	614.5	592.7	570.0	543.4	516.8	492.5	466.5	448.0	431.9	426.5	423.9
25°	644.6	616.4	582.4	547.9	505.9	466.8	431.6	404.1	383.0	375.9	373.0
27.5°	677.9	639.1	595.2	546.9	483.5	430.3	383.6	349.3	328.5	322.1	324.4
30°	720.1	668.6	611.3	537.0	449.9	379.1	324.4	295.5	279.9	273.8	274.1
32.5°	776.5	710.8	634.6	515.8	406.7	320.8	272.8	251.7	241.1	233.1	232.5
35°	857.2	775.2	656.4	481.9	354.1	269.0	234.1	217.4	202.7	193.4	195.0
37.5°	953.9	856.2	668.3	436.1	295.2	228.6	204.9	188.0	171.3	157.5	159.1
40°	1068.5	962.2	667.3	375.9	241.4	201.1	180.6	160.7	139.9	127.4	128.7
42.5°	1196.3	1062.4	646.5	312.2	200.1	178.7	157.2	132.2	112.1	104.4	104.7
45°	1307.0	1143.7	610.0	246.2	168.4	156.9	132.9	107.3	98.3	92.9	92.5
47.5°	1389.0	1203.3	557.8	193.7	142.8	137.0	109.2	96.1	89.0	84.5	83.9
50°	1434.8	1224.1	500.1	151.8	120.7	116.2	97.7	87.1	82.3	79.4	78.8
52.5°	1496.3	1249.1	458.8	119.8	101.2	95.1	90.0	81.0	77.8	75.6	74.6
55°	1593.6	1297.4	423.0	95.1	84.2	82.9	84.9	77.5	75.6	72.0	70.8
57.5°	1502.0	1165.5	328.5	73.6	71.1	75.9	82.0	74.0	69.2	66.0	64.7
60°	1057.0	774.9	165.2	59.2	63.4	71.1	77.2	66.9	62.1	62.8	62.1
62.5°	582.8	387.8	74.3	49.6	55.1	62.8	66.0	58.0	54.8	60.2	61.2
65°	190.5	131.9	42.9	38.4	43.5	51.2	57.0	55.1	54.4	60.8	62.8
67.5°	58.6	43.5	29.1	27.5	30.1	37.8	48.0	59.6	64.0	66.0	66.9
70°	43.9	34.3	25.0	23.4	24.7	28.8	40.7	49.6	46.7	47.1	46.4
72.5°	35.2	27.2	21.5	20.5	20.5	19.9	21.5	26.9	30.4	32.0	32.0
75°	24.7	19.2	16.3	15.0	11.8	9.6	8.6	8.6	7.7	7.4	7.0
77.5°	8.3	7.0	6.4	5.1	3.5	2.9	2.6	2.2	1.6	1.0	0.6
80°	1.3	1.0	0.6	0.6	0.6	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	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)