

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: P629361

Luminaire Tested: GWS-SA1B-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629361
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2988.1 lumens
Efficiency: N/A
Efficacy: 119.5 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

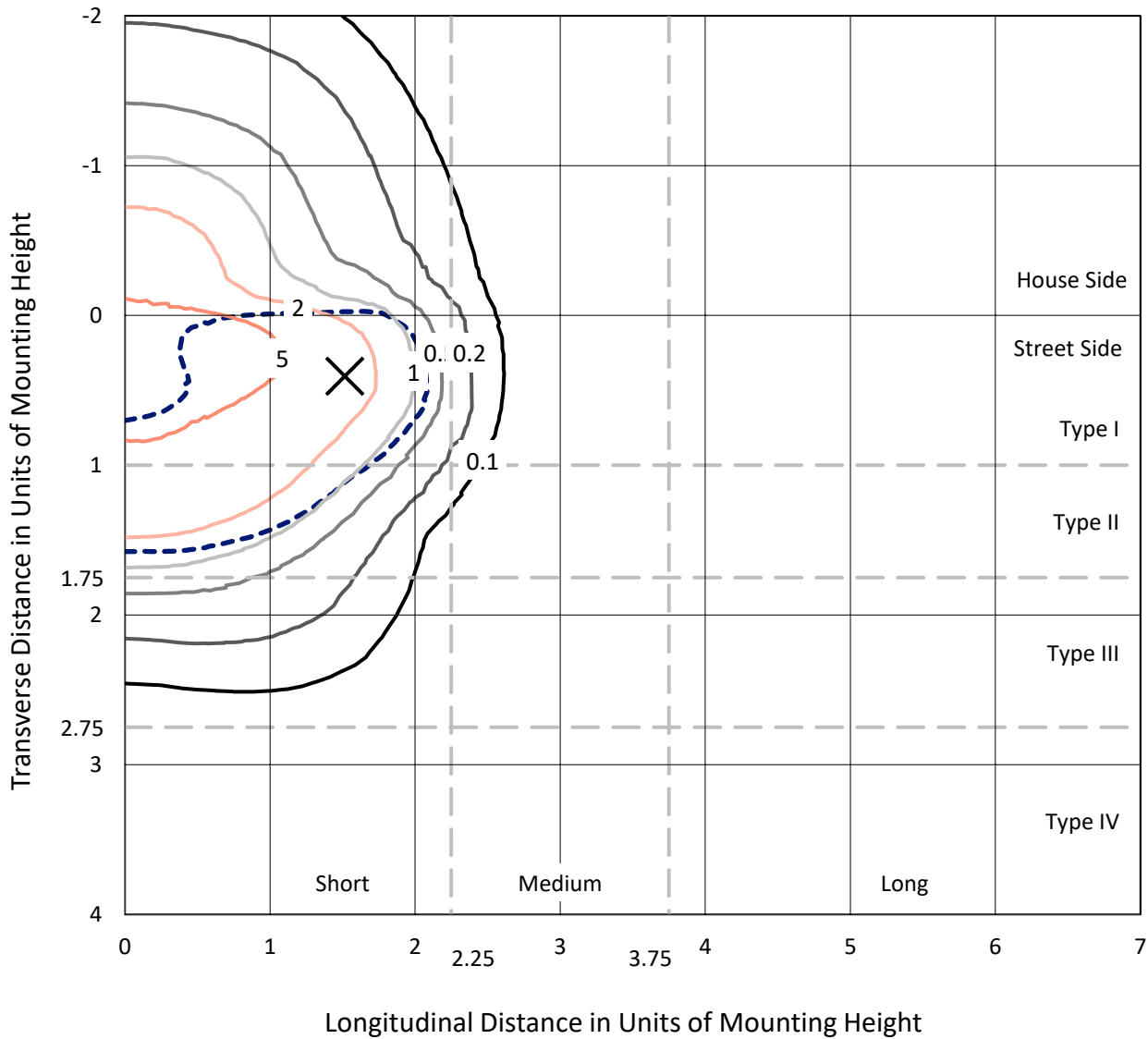
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629361
 CATALOG NUMBER: GWS-SA1B-740-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

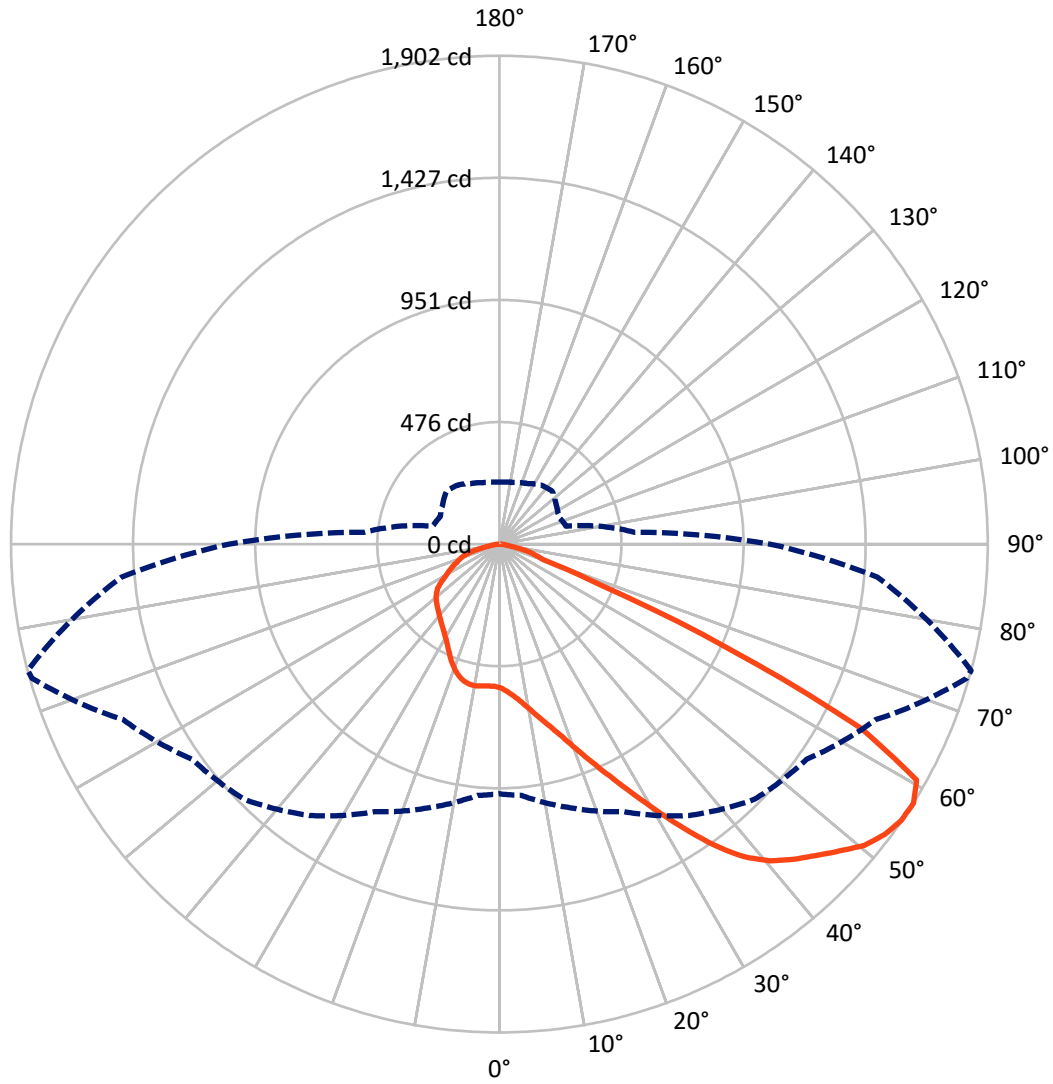
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

REPORT NUMBER: P629361
CATALOG NUMBER: GWS-SA1B-740-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629361

CATALOG NUMBER: GWS-SA1B-740-U-T2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	808.3	0.0	808.3
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	2179.8	0.0	2179.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	2988.1	0.0	2988.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	1.9
10°-20°	178.3	6.0
20°-30°	316.2	10.6
30°-40°	484.0	16.2
40°-50°	674.0	22.6
50°-60°	772.2	25.8
60°-70°	396.8	13.3
70°-80°	99.9	3.3
80°-90°	10.7	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°	2988.1	100.0
0°-180°	2988.1	100.0

Coefficient of Utilization

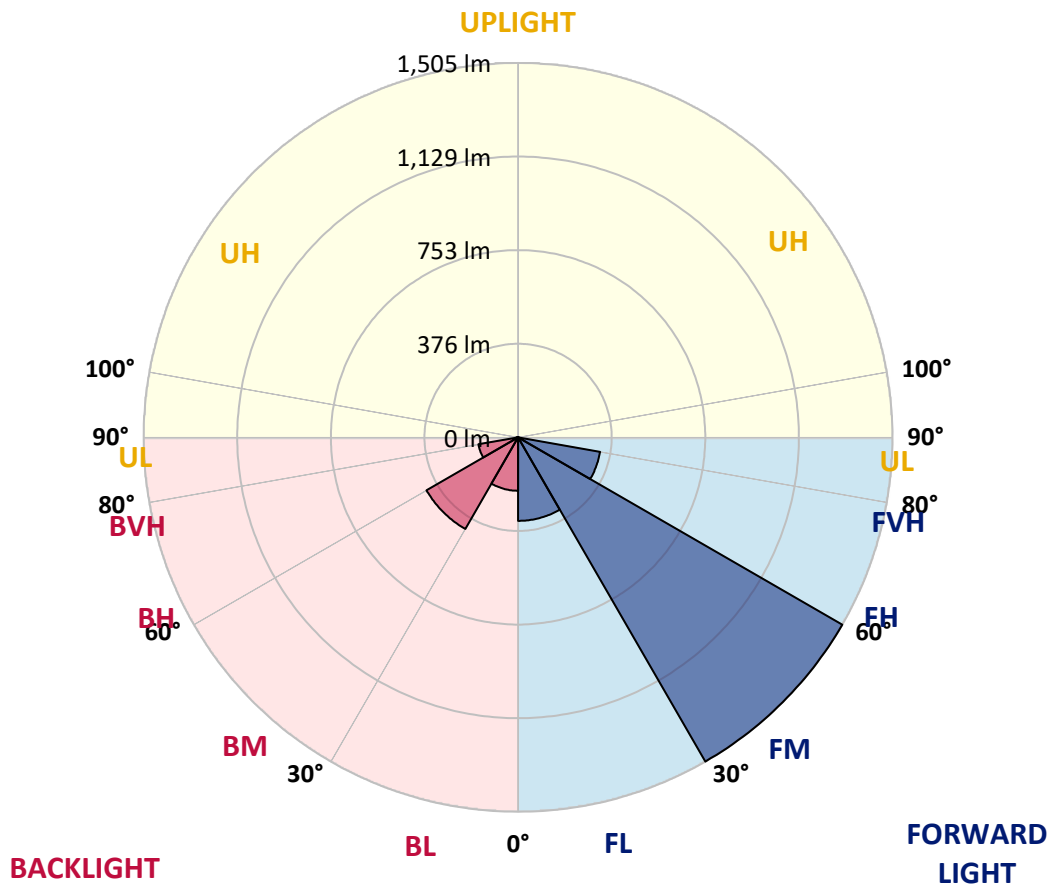


REPORT NUMBER: P629361
 CATALOG NUMBER: GWS-SA1B-740-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.7	11.2			
FM (30°-60°)	1505.1	50.4			
FH (60°-80°)	334.9	11.2			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	214.7	7.2	B1/500		
BM (30°-60°)	425.1	14.2	B1/1000		
BH (60°-80°)	161.8	5.4	B1/500		G1/500
BVH (80°-90°)	6.7	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





REPORT NUMBER: P629361

CATALOG NUMBER: GWS-SA1B-740-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	601.2	602.8	601.2	603.8	598.7	596.3	590.7	582.2	575.5	574.5	567.1
5°	648.0	651.3	649.3	648.2	641.3	636.2	627.7	610.7	596.9	594.8	580.2
7.5°	678.0	680.4	680.4	681.1	678.6	672.6	663.7	643.6	624.1	621.0	598.9
10°	688.1	689.9	693.2	699.6	704.8	706.6	700.7	681.4	657.5	654.4	623.6
12.5°	690.4	692.4	697.6	709.4	723.5	736.4	737.4	723.3	696.5	693.2	652.1
15°	694.7	696.8	703.7	718.4	739.2	763.9	779.0	769.3	739.7	736.1	684.5
17.5°	694.2	696.5	706.8	726.3	754.4	790.1	819.4	823.5	792.9	786.7	721.2
20°	692.9	695.0	706.1	729.9	764.6	813.7	866.6	888.0	855.1	849.4	764.1
22.5°	703.2	705.5	714.0	733.8	770.0	831.9	910.3	961.7	928.8	920.8	813.4
25°	726.3	729.7	734.8	748.4	779.8	848.1	955.0	1045.2	1011.5	1002.0	867.1
27.5°	762.1	766.2	773.4	779.8	801.6	868.7	999.5	1138.7	1105.1	1095.0	923.9
30°	805.7	811.1	820.4	824.8	839.7	899.0	1047.8	1235.1	1215.5	1201.7	987.9
32.5°	866.1	873.6	882.3	883.6	892.6	945.0	1095.6	1330.7	1330.4	1320.6	1060.6
35°	944.7	952.7	954.5	956.3	960.7	1008.2	1153.4	1417.8	1451.4	1440.1	1139.8
37.5°	1030.6	1042.1	1044.9	1037.0	1043.1	1084.3	1218.4	1487.6	1556.8	1544.7	1216.3
40°	1122.3	1126.9	1134.6	1122.0	1129.7	1171.4	1282.1	1532.3	1635.4	1622.5	1276.7
42.5°	1188.1	1196.5	1208.1	1203.5	1207.8	1245.9	1326.8	1553.9	1691.4	1678.5	1320.1
45°	1259.5	1262.1	1269.5	1268.5	1271.0	1306.5	1358.9	1563.4	1741.5	1729.9	1357.1
47.5°	1321.7	1325.5	1330.4	1324.7	1319.1	1342.2	1385.1	1571.7	1799.3	1785.4	1395.9
50°	1381.5	1384.9	1390.8	1374.3	1353.3	1359.2	1398.0	1583.0	1853.5	1843.7	1426.5
52.5°	1392.6	1396.2	1423.9	1427.3	1400.3	1379.5	1420.6	1607.9	1885.4	1879.2	1437.5
55°	1253.6	1260.0	1315.2	1378.7	1445.2	1438.6	1456.8	1621.0	1898.0	1899.5	1457.3
57.5°	973.0	982.3	1062.9	1150.0	1290.1	1405.9	1461.4	1617.6	1893.6	1902.1	1477.6
60°	638.2	643.6	739.2	836.8	982.0	1142.3	1308.0	1557.5	1854.8	1866.9	1472.5
62.5°	385.4	391.6	468.4	542.4	627.9	735.1	887.2	1251.8	1554.7	1581.7	1179.3
65°	269.0	277.2	344.5	405.4	435.0	412.9	449.4	699.1	968.6	979.9	720.7
67.5°	195.0	200.7	255.9	328.4	361.0	291.6	222.2	309.6	421.9	426.0	297.3
70°	127.7	134.1	184.2	250.0	294.7	236.4	166.2	167.5	177.5	179.6	172.7
72.5°	70.1	74.0	113.8	166.0	174.2	141.3	129.8	139.3	146.2	146.2	148.0
75°	36.2	39.6	46.5	54.7	66.0	77.3	93.5	107.7	115.1	115.6	114.8
77.5°	18.5	19.8	24.9	27.0	29.5	34.4	44.7	57.3	64.0	66.5	66.0
80°	8.7	9.2	10.5	12.3	15.2	19.3	24.2	28.8	32.9	33.4	36.2
82.5°	4.6	5.1	5.7	6.7	8.2	10.3	14.1	17.0	19.5	20.0	22.4
85°	1.8	2.1	2.3	2.6	3.6	4.4	5.9	8.0	9.8	9.8	11.6
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



REPORT NUMBER: P629361

CATALOG NUMBER: GWS-SA1B-740-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	565.3	557.8	554.5	549.1	544.7	539.8	536.0	533.1	531.3	530.3	529.3
5°	574.5	563.2	554.2	543.4	536.0	528.8	522.9	518.7	516.7	515.2	514.1
7.5°	588.9	573.7	556.8	540.1	527.0	515.4	508.0	503.6	500.8	499.7	499.0
10°	608.7	587.6	559.6	533.1	513.6	501.0	495.9	493.8	494.1	493.6	493.3
12.5°	631.0	602.3	558.8	520.8	499.2	491.8	492.0	495.4	499.2	500.2	500.5
15°	655.2	616.6	551.4	504.9	487.9	488.7	495.4	503.3	510.5	513.4	513.9
17.5°	681.4	628.7	537.8	487.4	478.7	486.9	499.2	512.3	522.9	527.5	528.8
20°	710.7	639.0	518.5	470.2	469.9	483.5	501.5	518.7	532.1	538.3	539.3
22.5°	741.8	645.4	494.9	454.3	460.9	479.2	499.7	517.7	531.9	538.0	539.3
25°	773.1	647.5	468.9	439.6	451.7	472.2	491.0	505.4	518.7	524.1	525.2
27.5°	802.4	641.6	444.2	427.0	443.2	462.0	474.6	482.3	491.5	495.6	496.4
30°	832.2	629.7	423.4	417.0	433.7	447.8	453.5	454.0	457.6	457.6	458.1
32.5°	862.3	612.3	405.2	407.2	421.9	431.1	431.9	426.0	421.6	414.4	414.2
35°	897.0	594.5	390.3	396.2	408.0	413.7	411.3	400.0	389.5	377.7	377.2
37.5°	929.1	576.3	377.7	384.9	392.3	396.4	391.1	377.4	368.7	356.6	354.8
40°	955.5	559.9	365.6	373.1	376.7	380.3	371.5	360.5	361.8	355.1	354.8
42.5°	970.9	543.9	354.3	360.0	362.3	364.8	357.1	348.9	355.9	350.7	351.0
45°	982.3	530.1	344.0	346.1	351.7	355.6	348.4	339.2	340.7	320.9	316.3
47.5°	995.1	522.3	334.3	332.2	342.2	348.9	337.9	324.5	315.3	295.7	293.9
50°	1008.7	519.5	324.0	318.3	330.4	336.8	324.0	307.3	295.2	284.7	283.7
52.5°	1013.3	519.3	311.1	301.6	313.7	322.7	311.9	295.0	280.6	270.3	269.8
55°	1031.6	526.7	294.7	278.8	290.1	308.6	300.6	276.2	264.6	260.0	259.5
57.5°	1052.9	528.0	268.8	253.8	269.5	291.4	281.3	260.3	247.7	242.0	241.5
60°	1044.2	496.4	241.0	234.8	252.1	275.2	265.9	247.7	233.0	227.6	227.1
62.5°	795.7	350.5	220.7	218.4	233.3	251.8	250.0	231.0	217.1	213.3	212.7
65°	478.7	246.1	201.2	200.9	211.5	229.2	231.5	216.1	201.4	196.0	196.0
67.5°	236.6	188.3	179.1	177.8	184.5	197.1	206.8	194.2	181.9	176.8	176.0
70°	167.3	166.0	162.9	159.3	160.6	165.7	169.8	159.3	146.2	141.1	140.0
72.5°	144.7	144.9	142.9	140.0	139.0	135.4	131.8	124.1	116.1	110.7	111.3
75°	112.3	112.8	114.1	113.1	110.2	106.4	102.5	92.8	86.3	81.2	80.2
77.5°	65.5	68.1	72.2	71.2	71.7	66.3	64.7	55.2	49.3	45.7	45.0
80°	37.0	38.5	40.3	41.6	40.1	37.8	34.4	29.3	27.5	24.9	24.4
82.5°	22.4	23.9	24.7	25.7	25.2	22.1	19.5	16.2	14.6	13.4	13.1
85°	11.3	12.3	13.1	13.6	12.1	10.0	9.0	7.2	6.2	5.4	5.4
87.5°	2.8	3.1	3.6	3.1	2.8	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)