

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: P629399

Luminaire Tested: GWS-SA1B-750-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629399  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3602.7 lumens  
Efficiency: N/A  
Efficacy: 144.1 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

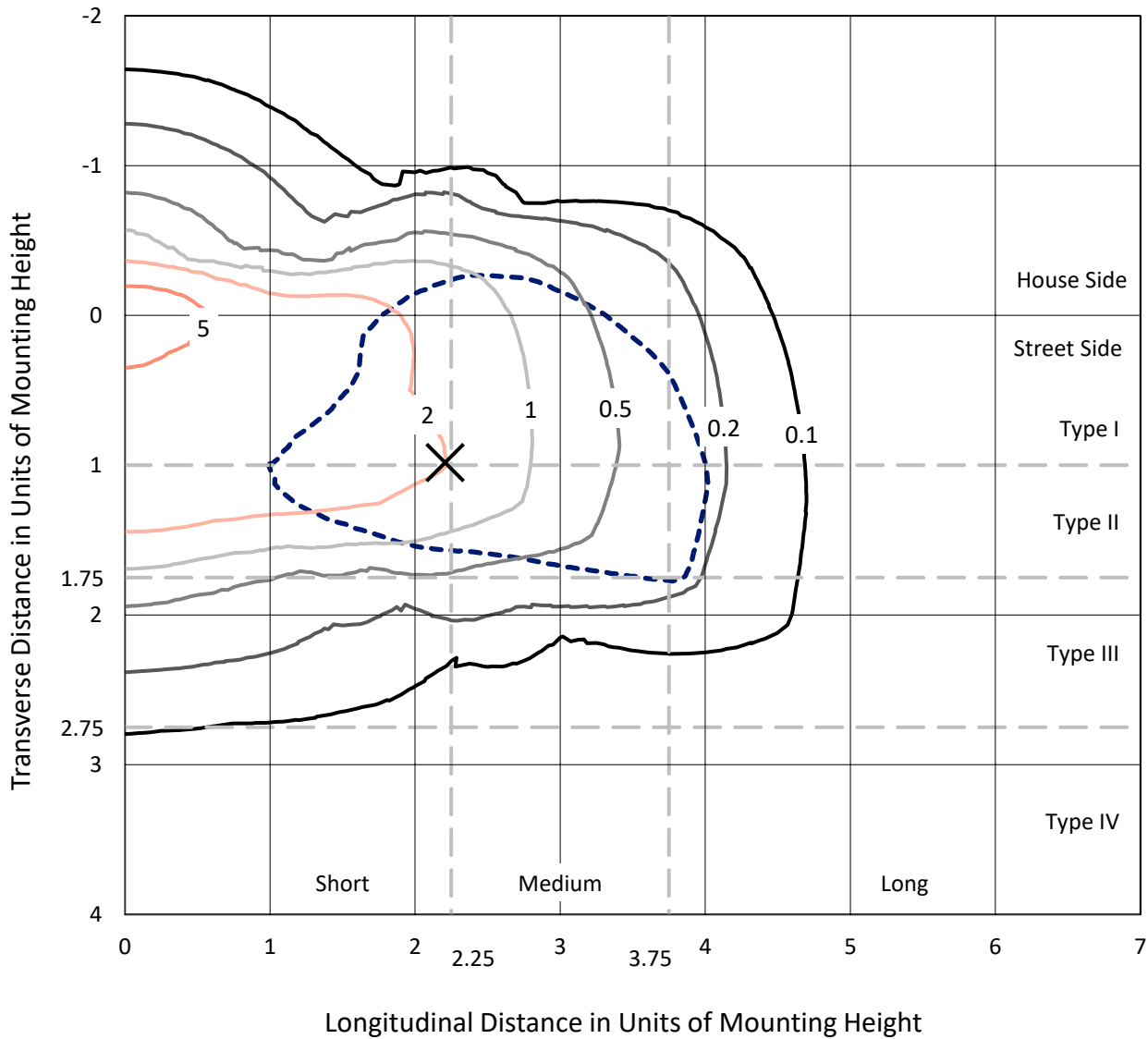
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

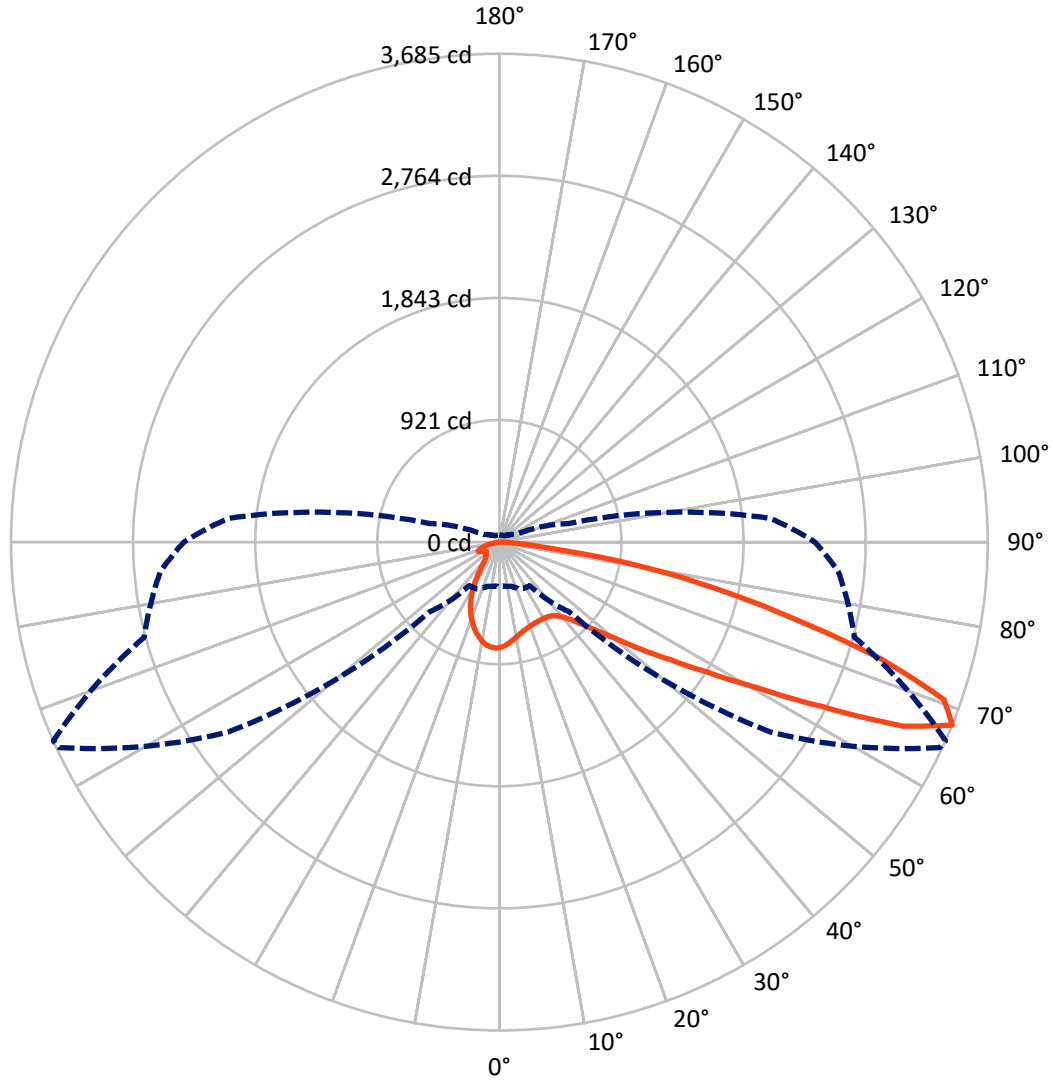
✕ Max cd  
 - - - 1/2 Max cd



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 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	731.1	0.0	731.1
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2871.6	0.0	2871.6
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	3602.7	0.0	3602.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.9	1.9
10°-20°	171.7	4.8
20°-30°	236.0	6.6
30°-40°	322.7	9.0
40°-50°	488.9	13.6
50°-60°	760.1	21.1
60°-70°	925.4	25.7
70°-80°	563.7	15.6
80°-90°	64.4	1.8
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°	3602.7	100.0
0°-180°	3602.7	100.0

**Coefficient of Utilization**



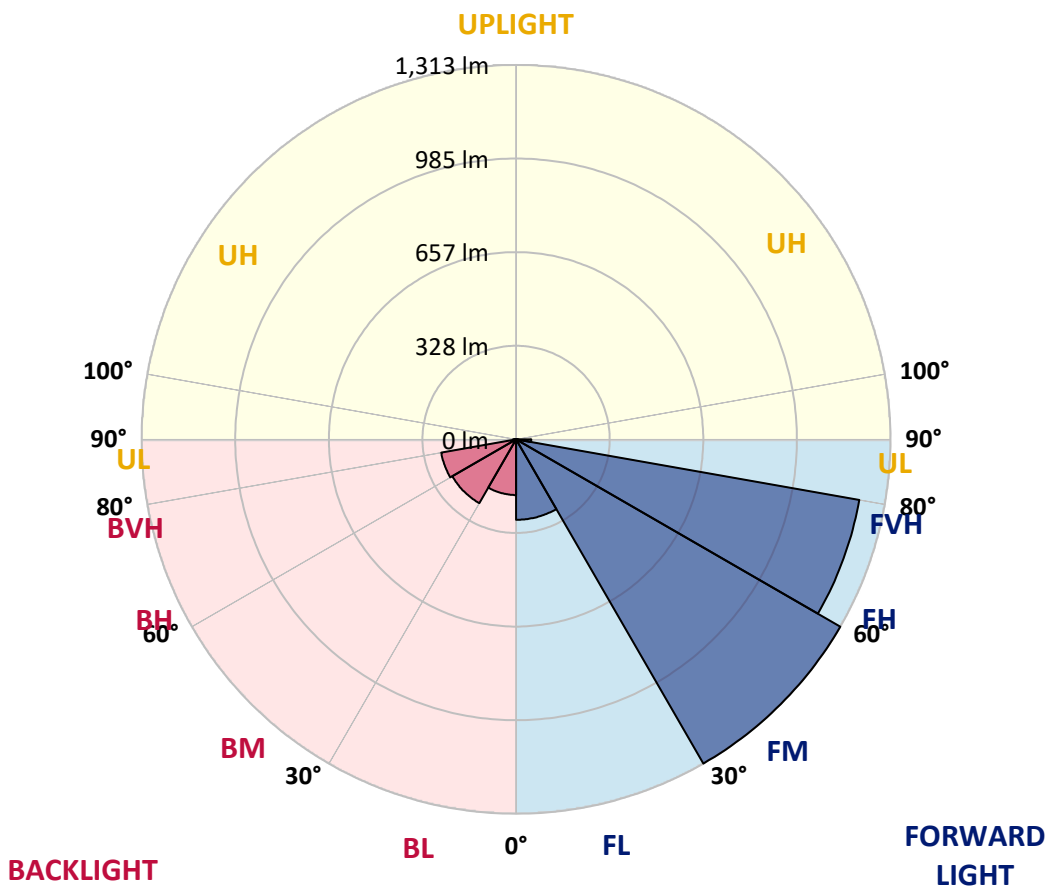
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.3	7.8			
FM (30°-60°)	1313.3	36.5			
FH (60°-80°)	1222.5	33.9			G1/1800
FVH (80°-90°)	53.5	1.5			G1/100
BL (0°-30°)	195.3	5.4	B1/500		
BM (30°-60°)	258.4	7.2	B1/1000		
BH (60°-80°)	266.6	7.4	B1/500		G1/500
BVH (80°-90°)	10.9	0.3			G1/100
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°	66°	75°	85°
0°	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	745.6	748.3	746.7	756.7	757.2	769.8	776.9	783.0	783.5	791.4	796.6
5°	694.6	696.2	696.2	705.7	712.0	728.8	745.1	762.5	763.8	782.7	797.1
7.5°	653.4	655.0	653.9	666.5	674.7	693.3	714.1	740.6	743.3	773.8	799.0
10°	621.1	620.5	623.2	634.7	645.2	667.6	690.7	720.9	724.9	763.5	801.1
12.5°	599.0	599.5	601.1	613.2	624.5	646.5	670.5	703.3	707.5	751.7	800.0
15°	588.5	587.4	588.7	599.8	610.5	630.0	654.7	688.6	692.8	741.2	800.3
17.5°	586.1	585.3	585.0	592.9	601.1	619.2	642.9	677.3	681.8	734.3	801.9
20°	593.5	592.4	589.5	592.9	596.3	611.6	634.5	669.2	674.1	729.9	805.0
22.5°	613.7	611.9	607.4	603.2	598.7	607.9	629.2	663.1	668.1	727.0	808.2
25°	644.4	642.9	638.1	628.7	612.4	610.8	628.1	660.5	665.5	724.9	809.5
27.5°	686.8	684.4	679.7	666.0	639.5	621.6	632.1	660.2	664.9	722.5	808.2
30°	737.0	735.4	732.8	716.2	680.7	644.4	641.0	662.3	666.0	721.2	805.6
32.5°	787.9	786.4	788.5	780.6	737.0	682.3	660.5	668.1	670.7	720.9	803.2
35°	832.9	834.7	850.0	851.3	808.4	733.5	691.2	681.5	682.0	726.2	804.2
37.5°	879.9	887.0	907.0	924.1	888.3	801.4	737.0	706.7	706.2	739.6	810.8
40°	942.2	945.4	970.9	1002.9	980.6	894.4	801.9	748.0	744.3	766.9	828.4
42.5°	1002.9	1010.6	1051.3	1088.1	1080.7	999.3	883.6	809.8	803.2	815.3	864.7
45°	1080.2	1087.6	1133.3	1180.6	1194.0	1117.8	988.2	897.5	891.0	888.1	931.2
47.5°	1157.5	1165.1	1206.1	1274.4	1321.5	1266.0	1124.4	1013.5	1002.7	991.4	1031.6
50°	1209.5	1218.5	1257.6	1339.6	1450.0	1451.1	1285.7	1165.4	1151.7	1133.8	1173.0
52.5°	1207.7	1213.5	1250.8	1345.4	1542.5	1663.7	1501.8	1358.8	1347.8	1308.9	1343.0
55°	1112.8	1121.5	1159.1	1277.3	1552.5	1865.3	1819.3	1586.9	1567.2	1497.6	1535.2
57.5°	922.3	929.6	967.5	1113.3	1463.9	1968.6	2222.4	1877.6	1850.5	1703.1	1746.5
60°	696.2	687.3	705.2	832.9	1252.1	1971.2	2578.3	2271.9	2226.6	1922.8	1959.1
62.5°	522.5	513.6	517.5	553.5	848.9	1811.9	2781.2	2811.2	2736.5	2170.9	2163.8
65°	412.9	407.9	419.2	443.9	494.9	1379.8	2782.8	3394.4	3347.3	2458.5	2373.8
67.5°	336.4	333.3	344.8	390.6	401.3	741.4	2495.3	3666.7	3685.1	2773.3	2568.6
70°	271.0	266.2	284.4	344.6	373.2	448.6	1787.5	3527.9	3557.6	2961.0	2513.7
72.5°	187.1	187.4	196.6	279.1	360.3	387.4	1011.1	2937.6	3002.0	2790.9	2209.8
75°	126.2	127.2	129.8	184.2	331.9	375.8	538.8	2224.0	2269.5	2306.8	1826.6
77.5°	76.2	76.7	82.8	111.4	228.9	350.9	365.1	1612.2	1647.9	1520.7	1132.2
80°	44.2	46.0	51.5	74.6	154.5	263.6	282.5	988.5	1029.0	676.0	359.8
82.5°	19.4	20.8	28.1	43.4	90.1	224.2	220.5	390.6	384.8	188.4	124.8
85°	3.4	4.2	6.0	13.7	33.1	118.3	171.1	172.4	162.2	71.5	51.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	25.8	46.3	46.0	20.2	17.9
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°	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1	796.1
2.5°	800.0	792.9	799.2	800.0	798.7	797.7	789.8	783.0	782.2	774.8	774.8
5°	802.9	796.4	799.5	793.5	784.0	774.3	757.5	745.9	740.6	731.2	731.2
7.5°	806.9	800.0	796.4	781.4	759.3	738.0	710.9	688.3	679.1	665.7	665.2
10°	810.5	801.9	789.3	760.1	724.9	691.0	651.5	619.5	597.7	581.6	581.6
12.5°	810.3	799.0	774.0	730.9	682.3	633.1	580.6	532.2	503.3	478.3	476.8
15°	809.8	794.3	754.6	697.0	632.6	564.5	493.1	430.0	387.1	362.7	360.6
17.5°	809.2	788.2	732.8	658.4	572.2	479.4	385.0	316.7	281.0	266.0	266.5
20°	809.2	781.4	709.4	614.0	502.5	377.4	282.5	232.9	223.9	224.7	225.5
22.5°	806.9	773.0	683.3	565.6	425.0	277.5	208.4	191.6	196.3	203.7	204.7
25°	801.4	759.0	653.1	512.0	332.7	202.1	170.0	166.9	175.6	184.8	187.4
27.5°	792.7	743.0	619.2	449.2	245.0	162.4	149.5	149.3	156.1	163.0	165.3
30°	783.5	725.1	583.5	379.3	177.4	141.4	136.4	136.4	139.8	144.0	143.5
32.5°	772.7	707.0	545.1	306.5	144.6	129.6	128.0	127.2	127.7	129.3	129.3
35°	763.5	691.0	505.7	229.4	129.6	123.0	121.4	119.6	118.8	117.7	118.3
37.5°	760.1	678.3	464.9	172.9	122.2	118.3	115.6	113.0	111.2	110.6	110.4
40°	765.6	673.1	424.2	142.5	117.0	113.3	110.4	107.0	105.4	105.4	105.4
42.5°	787.2	677.0	382.7	128.8	113.3	109.1	104.9	101.7	101.2	101.7	102.0
45°	826.6	692.3	339.6	122.0	110.1	104.9	99.9	97.5	97.5	98.0	98.0
47.5°	897.0	732.2	297.0	117.7	107.0	101.5	96.2	93.8	93.6	94.1	94.1
50°	1019.0	804.2	258.6	114.9	104.6	98.8	93.6	90.4	89.6	89.4	89.4
52.5°	1172.7	929.1	234.2	112.8	101.7	95.9	90.7	86.5	84.9	84.1	84.1
55°	1358.5	1095.5	234.2	111.2	98.0	92.5	86.5	82.3	79.9	78.8	78.8
57.5°	1569.1	1289.2	274.7	109.9	95.1	88.6	82.0	77.8	75.2	73.6	73.6
60°	1783.3	1493.9	374.8	108.0	92.5	83.6	77.0	73.1	69.6	67.8	67.5
62.5°	2005.3	1719.4	506.7	109.1	90.7	78.8	71.8	67.3	64.4	62.6	62.3
65°	2208.8	1934.1	622.1	117.2	90.9	74.6	65.7	61.8	59.4	57.0	56.8
67.5°	2381.4	2052.7	541.2	133.8	96.5	69.6	59.7	55.7	53.6	52.0	51.8
70°	2260.6	1871.8	307.0	144.0	104.1	64.4	52.8	50.2	48.1	47.0	46.8
72.5°	1933.1	1584.8	205.3	127.2	94.9	57.6	46.5	44.4	42.8	41.5	41.3
75°	1565.9	1256.8	156.9	104.3	73.9	46.8	39.9	38.4	36.8	35.5	35.2
77.5°	926.5	726.2	115.6	82.5	52.0	36.5	33.1	31.8	30.2	29.2	28.9
80°	295.7	252.3	73.3	56.8	34.4	28.1	25.5	24.4	22.9	21.6	21.3
82.5°	112.8	97.5	38.9	28.9	22.9	19.2	17.1	16.0	15.0	13.7	13.4
85°	49.9	46.8	21.6	15.5	12.4	9.5	8.4	7.9	6.6	5.5	5.3
87.5°	17.6	17.6	9.2	4.5	2.6	1.3	0.8	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)