

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: P628990

Luminaire Tested: GWS-SA1A-760-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628990  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-760-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

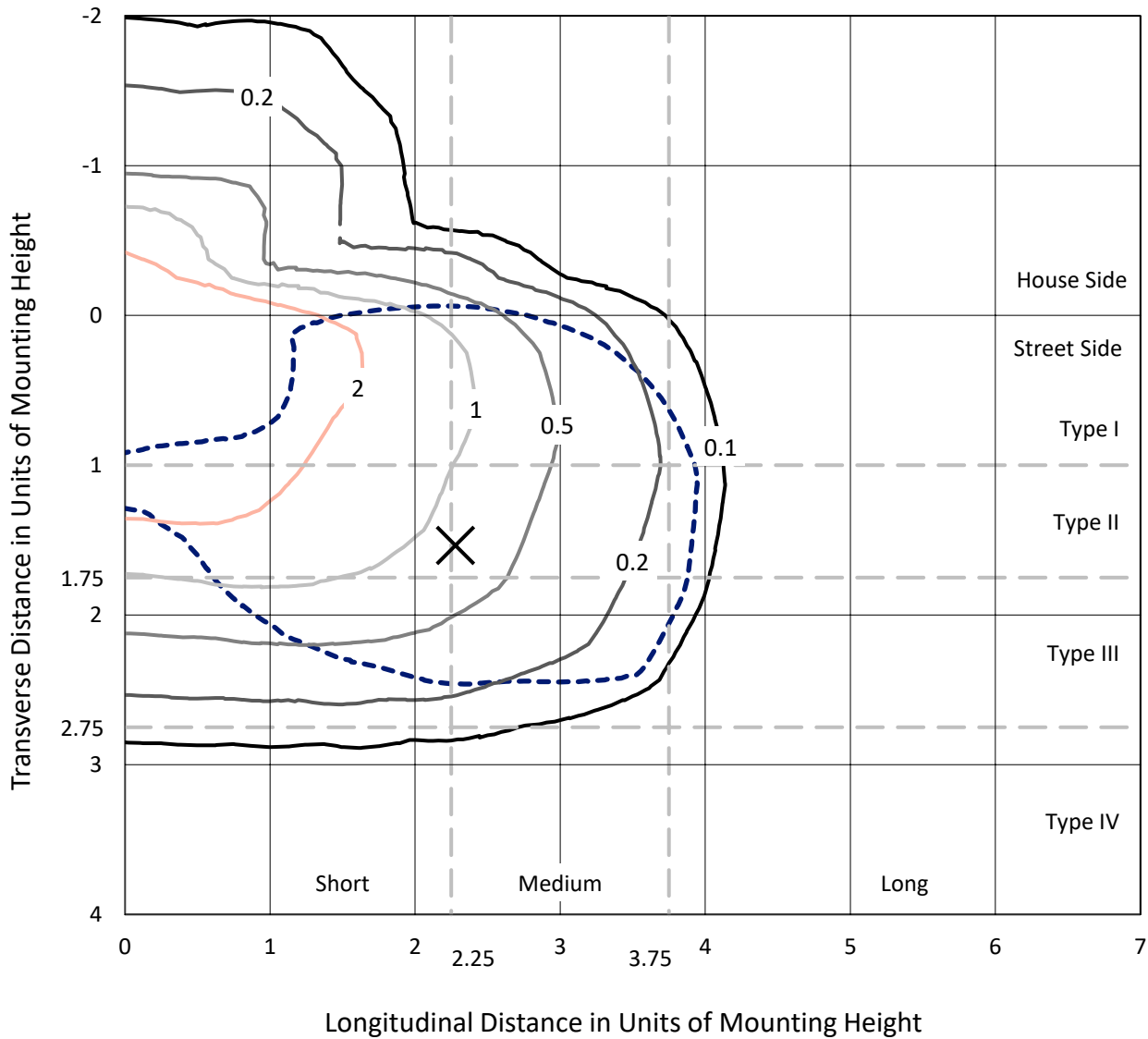
Lumens per Lamp: N/A  
Luminaire Lumens: 2916.7 lumens  
Efficiency: N/A  
Efficacy: 148.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

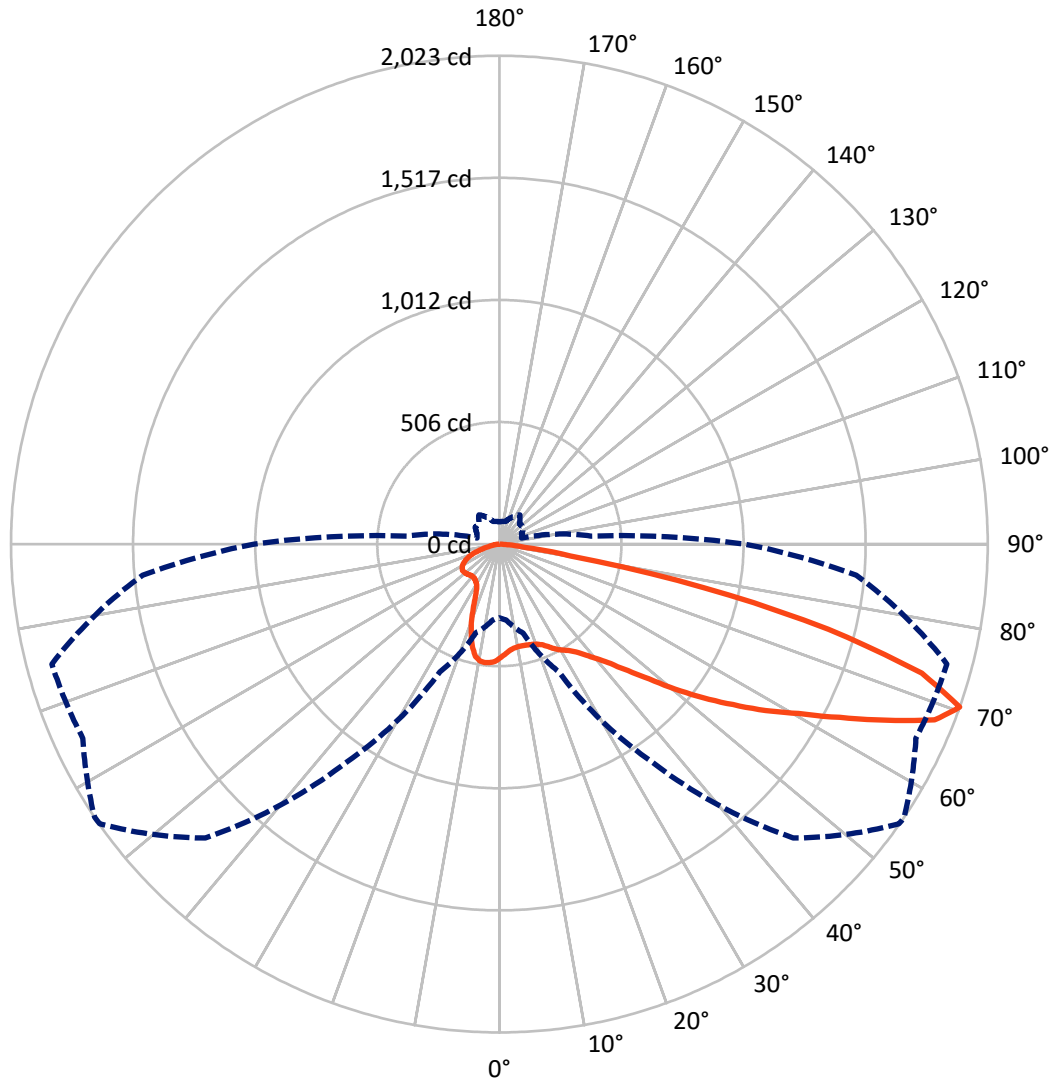
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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
<b>House Side</b>	Lumens	560.7	0.0	560.7
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	2356.0	0.0	2356.0
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	2916.7	0.0	2916.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.6	1.5
10°-20°	118.0	4.0
20°-30°	195.2	6.7
30°-40°	291.8	10.0
40°-50°	434.2	14.9
50°-60°	617.4	21.2
60°-70°	764.6	26.2
70°-80°	422.2	14.5
80°-90°	29.7	1.0
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°	2916.7	100.0
0°-180°	2916.7	100.0

**Coefficient of Utilization**



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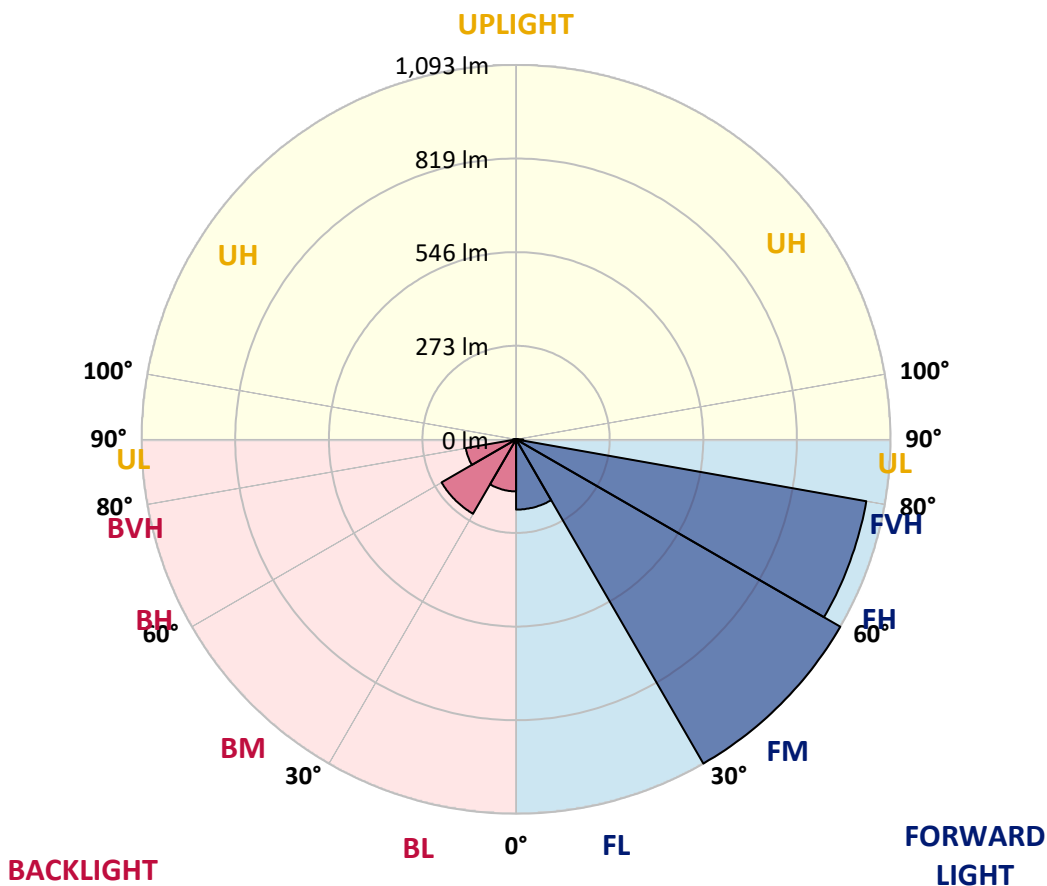
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.0	7.0			
FM (30°-60°)	1092.6	37.5			
FH (60°-80°)	1037.8	35.6			G1/1800
FVH (80°-90°)	20.7	0.7			G1/100
BL (0°-30°)	151.8	5.2	B1/500		
BM (30°-60°)	250.8	8.6	B1/1000		
BH (60°-80°)	149.0	5.1	B1/500		G1/500
BVH (80°-90°)	9.1	0.3			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°	470.8	470.8	470.8	470.8	470.8	470.8	470.8	470.8	470.8	470.8	470.8
2.5°	440.6	438.1	441.0	442.4	446.1	451.5	456.2	456.4	458.9	464.8	470.6
5°	420.6	419.4	420.2	424.5	428.4	435.2	442.4	443.0	450.0	461.8	473.3
7.5°	405.2	403.5	406.6	412.2	417.1	424.7	434.2	435.0	444.9	462.6	480.3
10°	383.0	381.7	387.5	394.9	405.6	418.1	430.7	431.7	444.7	467.9	492.6
12.5°	373.3	373.3	375.8	382.8	394.5	411.2	430.1	431.7	448.0	476.1	508.4
15°	388.3	389.4	387.3	386.9	391.6	407.5	430.9	433.4	454.1	484.6	524.1
17.5°	418.6	419.6	414.2	405.8	401.1	410.9	434.0	436.7	460.7	493.8	540.9
20°	460.9	462.2	450.4	437.5	421.2	421.0	439.9	442.4	469.2	503.9	558.8
22.5°	510.5	511.3	496.5	475.9	451.1	439.7	450.2	452.7	480.1	517.9	578.2
25°	567.9	570.3	552.5	522.6	488.9	465.5	467.3	470.2	499.6	536.6	601.0
27.5°	629.2	632.3	611.7	578.8	532.3	493.8	489.3	491.8	520.4	548.1	613.1
30°	691.9	694.2	673.6	636.0	579.0	525.9	507.8	509.3	529.4	553.7	625.5
32.5°	761.6	759.8	740.0	696.6	632.9	564.4	525.1	524.7	539.5	564.8	643.2
35°	827.0	829.7	808.7	760.8	692.1	611.9	551.0	549.4	560.9	582.9	668.0
37.5°	906.2	905.4	880.3	828.5	751.6	657.4	587.4	584.5	588.7	611.1	702.8
40°	962.8	968.5	952.3	904.0	821.1	713.3	630.0	623.6	624.6	645.8	749.3
42.5°	1009.1	1014.4	1016.1	985.2	900.7	782.4	683.1	676.7	677.3	707.3	806.5
45°	1044.6	1051.8	1075.1	1066.0	990.3	862.2	754.8	748.3	748.7	782.0	875.6
47.5°	1059.2	1067.1	1114.2	1135.8	1085.6	957.6	844.1	834.4	835.9	872.7	954.6
50°	1054.5	1065.0	1128.8	1189.4	1165.4	1054.7	950.9	944.1	938.5	992.0	1040.3
52.5°	1013.8	1025.3	1127.3	1223.6	1230.6	1146.5	1061.1	1057.2	1056.0	1118.7	1136.2
55°	893.9	913.2	1077.8	1232.6	1281.6	1232.8	1180.6	1174.0	1180.4	1254.4	1233.0
57.5°	827.4	841.8	980.7	1222.6	1323.3	1315.1	1299.9	1300.5	1307.7	1401.9	1350.5
60°	789.6	806.5	926.8	1195.0	1363.4	1415.1	1424.7	1424.7	1437.7	1560.9	1469.8
62.5°	739.4	756.5	876.4	1141.9	1400.5	1532.7	1581.7	1581.1	1586.2	1731.4	1586.4
65°	637.6	653.4	775.2	1058.2	1418.6	1662.3	1760.0	1758.1	1747.9	1883.2	1663.5
67.5°	463.0	478.0	593.8	899.0	1353.4	1766.8	1943.7	1944.5	1883.0	1978.8	1667.6
70°	305.2	315.5	381.7	583.9	1100.6	1721.7	2020.6	2023.1	1903.8	1919.2	1484.2
72.5°	190.5	197.7	238.4	348.2	650.4	1362.8	1823.1	1829.9	1712.7	1686.6	1219.5
75°	126.5	131.4	158.6	203.0	300.9	737.6	1385.9	1407.7	1372.7	1322.1	849.7
77.5°	76.1	80.2	101.0	129.0	133.3	288.2	808.9	865.3	870.2	690.3	355.8
80°	34.8	39.5	55.7	73.6	71.0	100.4	285.3	298.4	352.1	219.3	112.3
82.5°	20.6	22.6	37.0	36.6	30.2	48.7	102.6	105.3	89.5	80.2	47.9
85°	8.2	9.7	15.6	13.8	11.1	15.8	38.7	40.5	38.9	35.0	17.7
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	3.5	3.7	5.3	9.7	5.3
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°	470.8	470.8	470.8	470.8	470.8	470.8	470.8	470.8	470.8	470.8	470.8
2.5°	474.3	473.1	479.2	484.0	486.0	488.1	486.2	485.6	485.6	481.5	479.4
5°	479.4	480.1	488.5	492.4	492.4	490.8	485.8	482.3	481.1	475.7	474.3
7.5°	489.1	491.8	499.6	499.4	493.6	484.6	472.2	462.8	454.1	450.4	448.2
10°	504.9	508.4	513.8	505.1	489.1	465.2	439.1	418.6	406.2	396.3	396.3
12.5°	523.0	526.3	525.3	505.4	472.2	427.6	390.0	366.3	349.0	340.0	340.0
15°	541.1	543.8	532.7	495.9	437.1	377.6	336.5	308.1	293.1	284.7	284.7
17.5°	559.4	559.2	535.8	474.1	391.2	322.3	282.0	260.0	254.8	253.4	253.2
20°	577.1	572.4	531.9	437.7	337.9	266.6	241.1	242.5	250.1	253.4	253.8
22.5°	597.1	585.4	520.4	391.2	277.5	227.9	229.5	241.5	252.6	257.5	258.1
25°	617.4	596.5	501.0	336.7	226.9	213.7	226.5	239.8	252.4	258.7	259.4
27.5°	625.7	596.5	468.1	273.6	199.9	207.7	221.7	234.7	247.8	255.2	256.7
30°	632.5	591.3	422.1	216.6	188.8	202.0	214.1	226.0	239.0	248.0	249.7
32.5°	641.9	586.8	366.3	182.0	183.7	196.4	204.9	214.9	226.7	232.6	232.0
35°	653.0	579.8	299.1	165.6	179.4	191.7	197.7	203.6	198.3	198.1	198.7
37.5°	668.9	573.6	240.4	158.2	176.5	188.4	193.3	180.6	173.2	170.1	168.9
40°	691.7	571.2	189.6	153.8	176.1	188.2	184.7	165.0	154.9	144.2	144.0
42.5°	720.5	569.3	156.7	151.8	177.5	192.9	172.8	154.7	133.9	129.2	128.8
45°	757.5	566.4	140.3	151.4	181.0	196.6	171.5	140.5	126.3	124.2	124.2
47.5°	802.1	561.9	132.9	151.4	184.9	195.0	167.8	137.4	122.8	125.1	126.5
50°	853.4	556.2	129.0	151.0	188.8	195.0	160.0	136.8	122.0	133.7	138.4
52.5°	908.1	549.6	126.3	149.3	191.5	195.2	160.4	138.8	122.8	135.7	139.7
55°	968.5	548.5	122.6	145.8	192.3	189.8	161.5	143.4	124.0	123.0	123.2
57.5°	1044.9	560.9	119.9	140.7	189.0	178.9	163.5	146.6	122.6	122.8	124.2
60°	1124.7	584.1	122.2	135.7	182.2	168.7	165.0	145.0	115.6	112.3	112.7
62.5°	1192.5	601.8	124.0	133.5	172.4	159.6	163.5	141.3	111.7	110.9	112.7
65°	1220.9	587.2	119.5	128.8	158.0	148.5	160.4	136.6	108.4	105.3	105.5
67.5°	1189.4	518.7	110.7	118.3	141.7	134.3	155.5	130.4	103.9	100.2	99.3
70°	1016.1	381.1	95.4	101.6	122.0	117.6	147.9	122.4	96.7	94.0	92.1
72.5°	818.8	269.9	79.2	80.8	95.6	99.1	134.7	112.3	88.4	80.8	78.2
75°	569.9	169.5	66.0	64.4	69.1	75.7	105.1	93.2	76.3	68.3	65.8
77.5°	245.2	87.0	51.6	50.8	46.1	52.4	80.6	77.7	64.0	54.7	53.3
80°	82.1	50.4	37.2	35.8	30.6	36.8	56.8	62.1	50.2	40.5	38.1
82.5°	41.1	29.2	23.7	21.4	20.6	23.2	33.5	38.7	34.8	28.0	23.7
85°	20.2	16.7	13.0	12.8	10.7	10.1	14.0	16.5	15.6	11.5	10.9
87.5°	7.4	6.6	4.1	3.3	2.1	1.4	0.8	0.8	0.6	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

(END OF REPORT)