

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: P630139

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4469.6 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

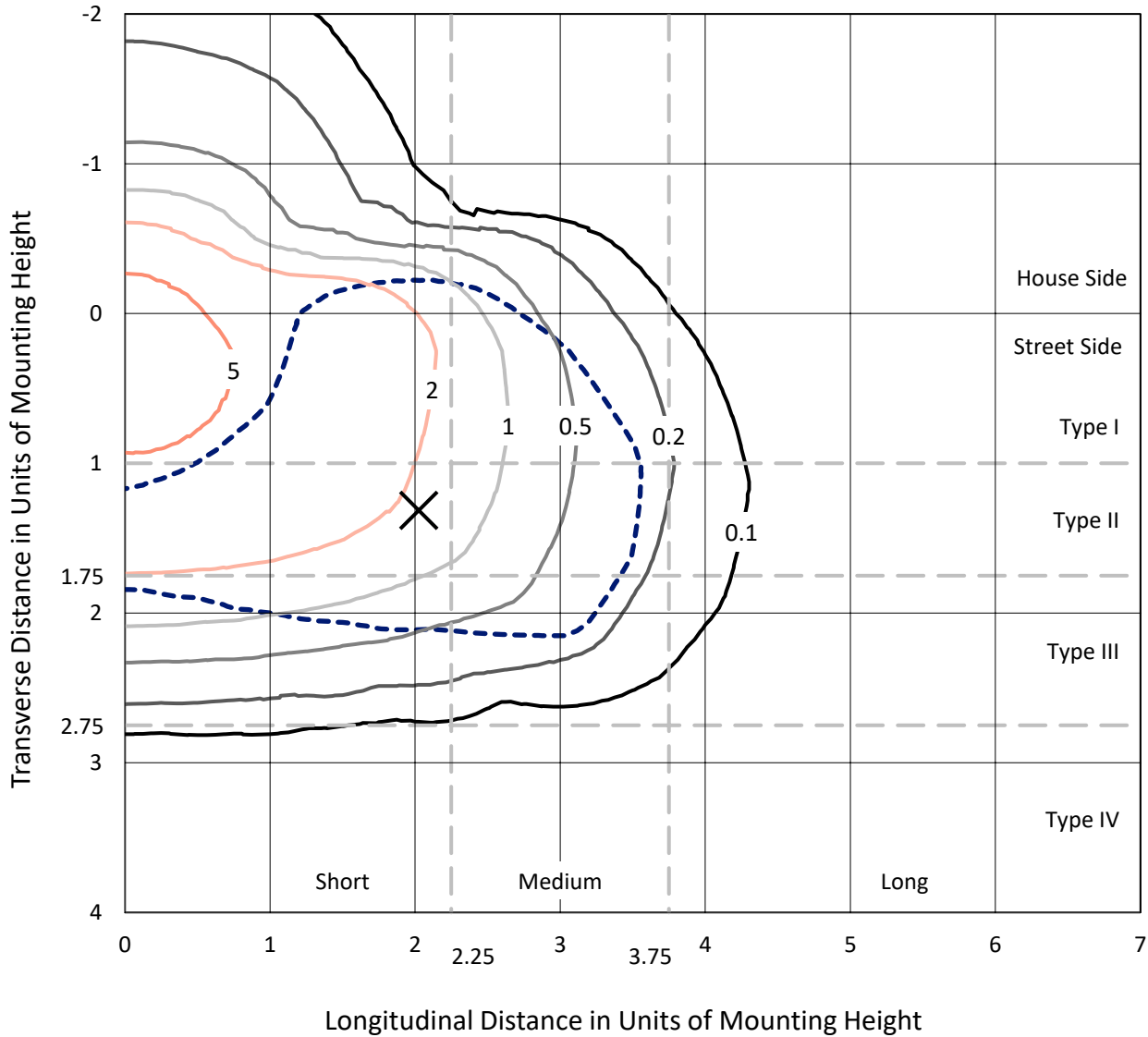
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

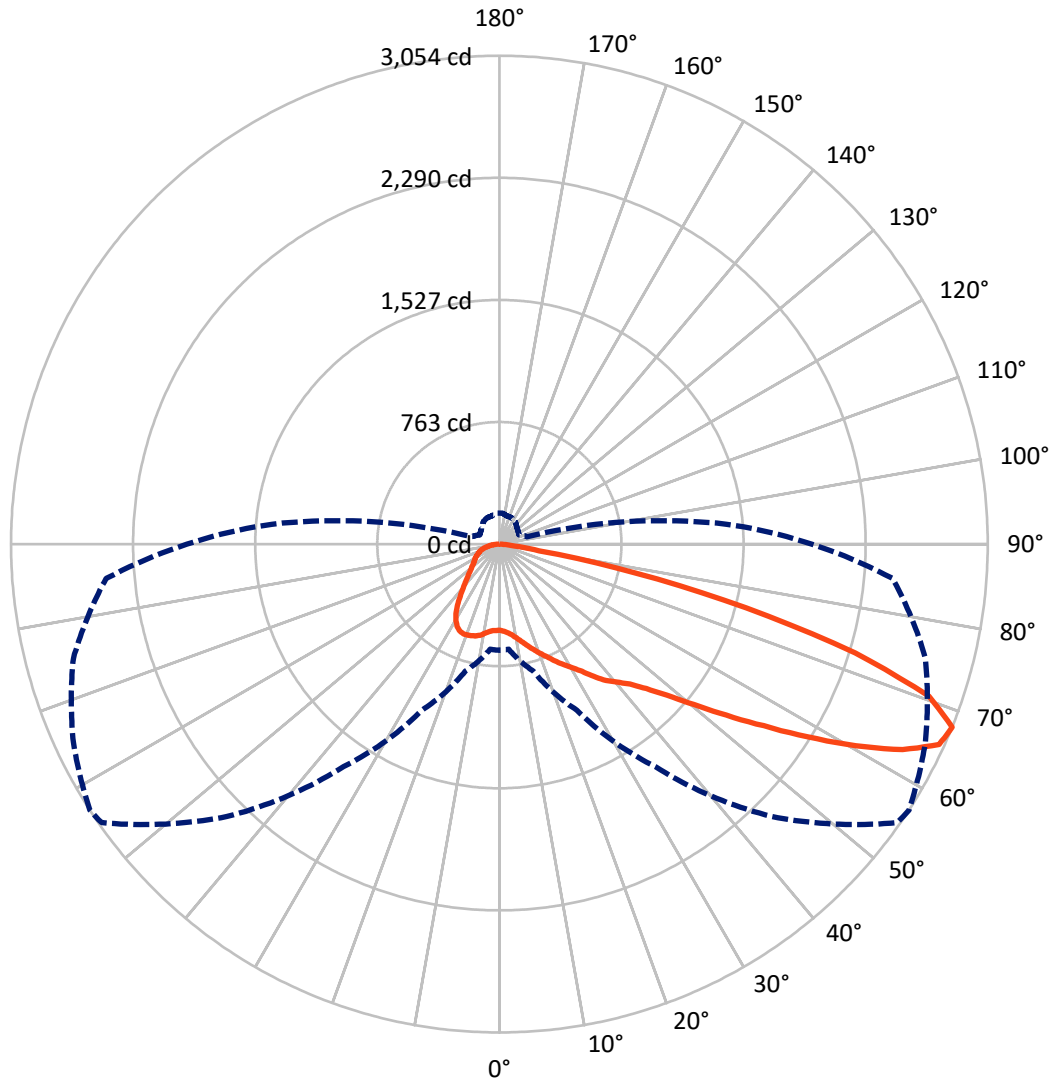
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	982.7	0.0	982.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3486.9	0.0	3486.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	4469.6	0.0	4469.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.2
10°-20°	176.8	4.0
20°-30°	315.2	7.1
30°-40°	458.3	10.3
40°-50°	663.4	14.8
50°-60°	1038.1	23.2
60°-70°	1211.0	27.1
70°-80°	505.5	11.3
80°-90°	47.7	1.1
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°	4469.6	100.0
0°-180°	4469.6	100.0

Coefficient of Utilization



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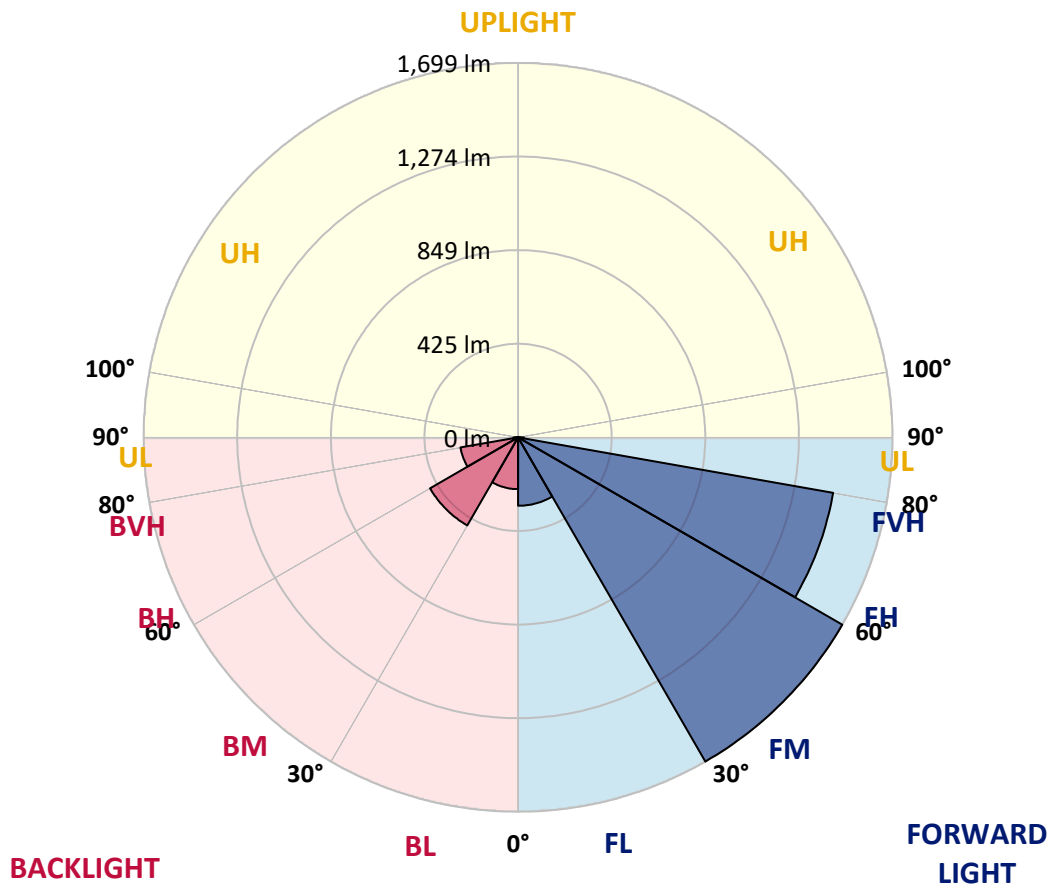
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.5	6.9			
FM (30°-60°)	1698.5	38.0			
FH (60°-80°)	1451.4	32.5			G1/1800
FVH (80°-90°)	26.6	0.6			G1/100
BL (0°-30°)	235.0	5.3	B1/500		
BM (30°-60°)	461.3	10.3	B1/1000		
BH (60°-80°)	265.2	5.9	B1/500		G1/500
BVH (80°-90°)	21.1	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6
2.5°	546.2	545.6	545.3	547.2	546.6	546.2	546.2	545.9	545.3	542.7	539.2
5°	561.3	560.0	558.7	560.3	559.0	557.8	557.4	556.8	554.6	550.7	545.3
7.5°	577.0	575.7	576.0	577.0	576.0	575.4	574.4	573.8	570.3	564.2	556.8
10°	599.1	599.1	599.7	600.7	601.0	600.0	598.1	597.2	593.0	585.3	575.1
12.5°	631.1	630.5	630.5	629.8	630.8	629.8	627.9	626.3	621.2	611.2	596.5
15°	673.4	670.8	668.6	664.4	663.1	659.6	660.2	659.3	654.5	641.0	622.4
17.5°	718.5	718.2	714.7	706.3	698.0	692.2	693.5	693.2	690.6	672.4	648.7
20°	758.2	759.8	756.6	750.2	739.0	728.1	727.5	729.1	725.9	707.6	674.6
22.5°	802.7	801.4	798.2	789.9	781.6	770.1	766.2	764.9	763.6	742.8	701.2
25°	845.0	848.8	844.7	837.0	824.2	811.7	808.5	809.8	806.2	778.7	729.7
27.5°	898.4	900.0	897.5	886.9	876.0	858.4	852.3	852.3	851.1	812.3	752.1
30°	955.4	959.9	955.4	946.8	935.6	910.3	897.2	895.9	892.0	846.9	778.4
32.5°	1012.8	1016.0	1012.8	1004.4	991.6	969.5	950.6	947.8	942.6	884.7	805.3
35°	1063.7	1066.5	1065.9	1067.8	1057.3	1029.4	1017.9	1016.6	1003.1	934.0	841.8
37.5°	1119.4	1122.9	1118.1	1121.9	1117.8	1091.5	1088.0	1081.6	1062.4	980.4	880.2
40°	1182.8	1186.0	1178.3	1179.9	1175.1	1160.4	1142.4	1133.8	1105.3	1030.7	940.7
42.5°	1250.7	1258.0	1261.5	1258.7	1247.5	1239.1	1207.7	1196.9	1173.2	1121.3	1040.3
45°	1349.0	1359.8	1365.0	1357.6	1352.8	1340.9	1302.5	1289.4	1276.9	1249.1	1179.3
47.5°	1454.9	1464.9	1481.2	1484.4	1488.2	1479.3	1425.2	1412.3	1414.6	1411.4	1350.2
50°	1539.5	1547.8	1584.6	1624.0	1656.7	1659.2	1590.1	1576.3	1588.5	1598.7	1556.1
52.5°	1600.9	1608.3	1657.0	1738.3	1812.3	1867.0	1792.4	1776.7	1786.6	1809.7	1790.2
55°	1650.9	1661.1	1712.0	1836.9	1986.4	2072.9	2025.2	2005.3	2001.2	2029.7	2040.9
57.5°	1677.1	1680.3	1751.7	1914.1	2114.2	2274.9	2295.7	2273.3	2233.6	2249.3	2307.6
60°	1617.3	1622.7	1720.4	1933.9	2215.1	2475.4	2579.8	2561.2	2476.7	2485.3	2549.7
62.5°	1451.7	1459.4	1576.9	1839.5	2223.4	2609.2	2842.0	2830.1	2716.8	2670.0	2689.3
65°	1164.5	1167.1	1288.8	1605.7	2057.8	2625.9	3024.8	3021.9	2884.6	2775.1	2692.8
67.5°	664.1	659.6	822.2	1145.3	1698.3	2409.4	3036.7	3053.6	2939.0	2757.8	2468.7
70°	287.8	288.5	363.4	565.1	1099.2	1947.4	2820.5	2849.7	2781.5	2469.9	1964.0
72.5°	133.2	135.1	167.5	244.6	469.4	1208.1	2299.9	2326.2	2267.6	1976.8	1429.0
75°	94.1	95.7	111.7	140.2	215.8	470.7	1538.5	1593.6	1622.1	1478.6	941.7
77.5°	71.4	73.6	81.6	97.3	133.2	166.8	736.1	867.4	1033.2	919.9	485.1
80°	45.5	45.5	54.1	65.0	81.3	86.8	212.6	252.0	505.6	379.1	190.5
82.5°	30.7	31.7	36.8	41.3	46.7	49.3	91.3	97.3	146.0	129.0	78.4
85°	16.3	17.0	19.2	18.9	22.4	19.5	38.4	38.1	53.5	58.6	29.8
87.5°	0.0	0.0	0.3	0.3	0.6	1.0	4.2	4.5	11.2	17.9	9.9
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°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6
2.5°	541.1	537.3	539.2	538.6	540.5	540.5	537.0	536.0	536.3	532.5	531.2
5°	545.9	541.4	542.4	541.1	543.0	544.6	543.0	543.0	545.0	542.1	540.5
7.5°	556.8	551.7	551.7	550.1	552.3	553.6	552.3	554.2	557.8	554.9	553.3
10°	574.1	568.0	568.3	566.4	567.4	566.7	561.6	560.0	561.0	558.4	557.1
12.5°	596.5	588.2	588.2	584.3	582.1	575.4	564.8	561.0	561.6	559.4	558.4
15°	618.0	610.3	608.7	601.0	590.7	578.3	568.7	566.1	566.7	564.5	562.9
17.5°	643.3	633.3	627.6	613.5	594.6	581.8	572.2	566.1	561.0	555.8	554.6
20°	666.6	654.1	643.6	621.8	598.8	581.1	563.2	548.2	535.7	529.0	527.3
22.5°	690.6	674.6	656.1	627.6	598.4	569.6	536.6	513.9	495.3	485.4	487.3
25°	713.4	693.2	667.9	633.0	588.2	544.0	499.2	465.2	444.1	436.4	434.2
27.5°	732.3	707.3	678.8	630.5	567.1	507.2	447.9	410.2	389.7	381.0	378.8
30°	753.4	725.2	694.5	618.6	533.8	455.6	390.0	359.3	344.5	336.2	336.5
32.5°	777.7	748.3	716.6	595.9	491.2	399.9	342.3	321.1	309.3	301.0	299.7
35°	810.4	781.3	731.3	561.6	437.1	348.7	309.6	292.3	277.6	266.7	264.5
37.5°	850.7	830.9	732.9	515.8	379.1	313.5	286.2	267.7	249.7	235.3	233.7
40°	919.9	897.2	719.8	458.5	329.8	290.7	266.7	245.3	224.5	208.4	206.2
42.5°	1018.5	971.8	691.6	393.8	292.7	272.8	248.1	220.9	199.8	188.6	187.0
45°	1144.0	1055.0	649.3	333.0	265.1	255.2	228.6	200.1	188.9	180.9	179.3
47.5°	1297.7	1152.0	600.7	285.6	243.7	239.2	208.8	193.1	183.1	176.4	174.8
50°	1481.5	1275.6	560.6	248.5	224.5	220.6	202.4	188.9	180.9	175.5	174.2
52.5°	1691.2	1413.0	541.1	221.9	207.8	204.0	200.1	188.0	181.2	177.1	175.5
55°	1909.0	1557.7	522.9	201.4	193.7	196.0	200.4	191.2	186.0	180.6	179.0
57.5°	2119.3	1693.5	478.0	185.4	183.5	192.1	202.0	194.4	188.3	182.8	180.9
60°	2264.4	1767.8	402.2	172.6	175.8	187.3	197.9	189.6	181.9	179.6	178.7
62.5°	2303.4	1758.8	312.2	159.5	166.5	176.7	187.0	181.5	173.5	177.1	177.4
65°	2212.2	1662.7	234.4	146.6	154.3	163.0	175.8	173.5	170.7	180.3	180.6
67.5°	1953.8	1426.8	178.7	135.4	141.8	152.4	172.3	181.5	182.2	194.4	193.1
70°	1478.3	1065.9	139.9	124.9	132.2	152.4	183.5	187.6	179.9	191.2	188.6
72.5°	1022.0	703.5	119.1	115.6	120.4	145.4	183.1	183.1	174.8	174.8	170.0
75°	634.9	413.7	103.7	103.7	103.7	127.1	178.0	168.7	154.0	147.3	143.4
77.5°	313.5	201.1	87.1	90.3	86.8	106.3	145.4	138.0	129.0	122.0	119.4
80°	133.8	100.5	70.4	74.0	69.8	80.0	115.3	113.7	105.0	95.7	92.9
82.5°	61.5	51.9	56.4	58.0	50.9	60.2	84.2	84.2	79.4	66.6	61.8
85°	26.3	27.5	39.1	39.1	32.0	33.9	45.1	42.9	38.4	31.4	28.8
87.5°	9.0	13.4	19.9	17.3	6.7	2.9	1.6	0.6	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)