

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: P630460

Luminaire Tested: GWS-SA1D-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4582.5 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

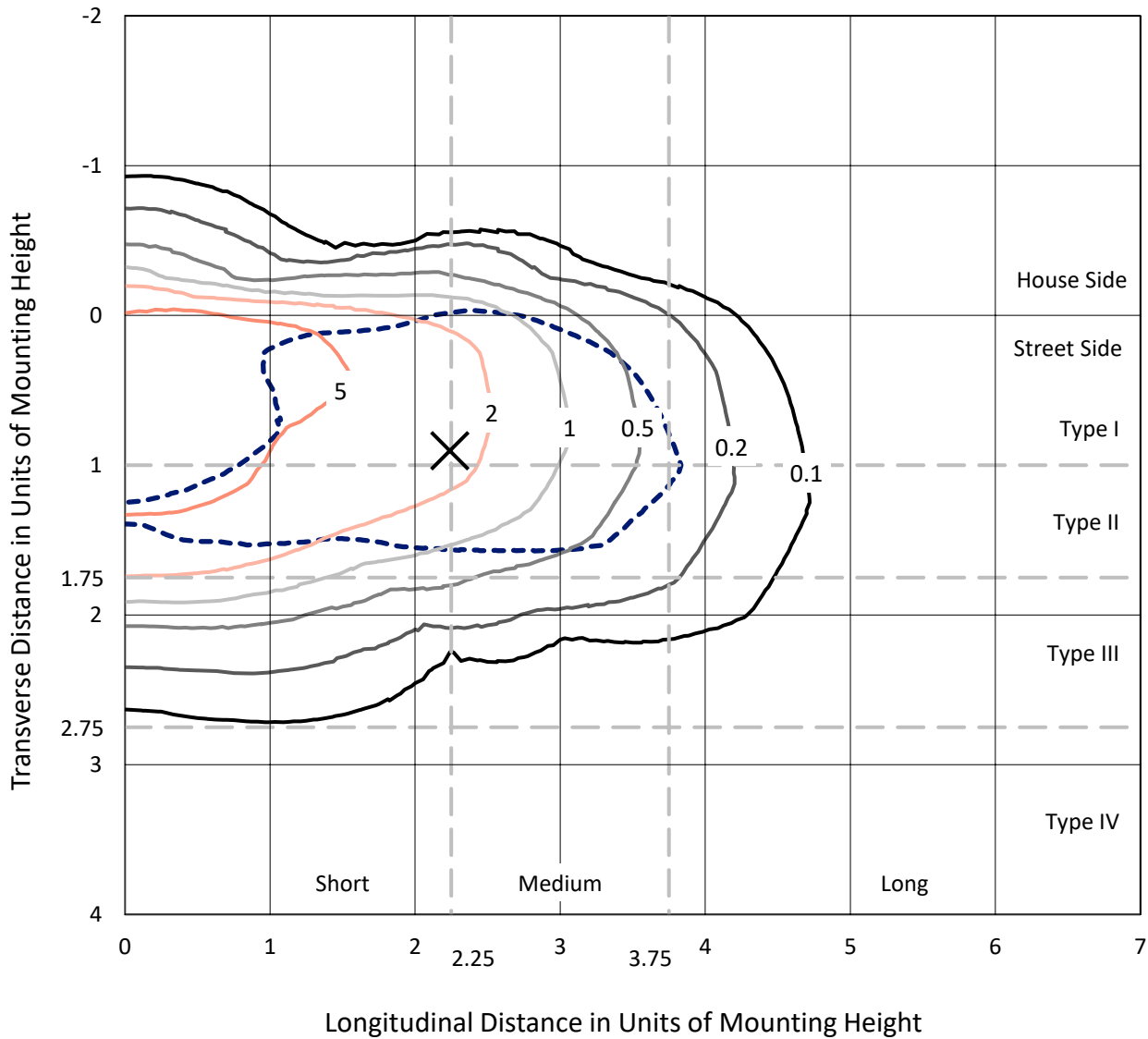
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

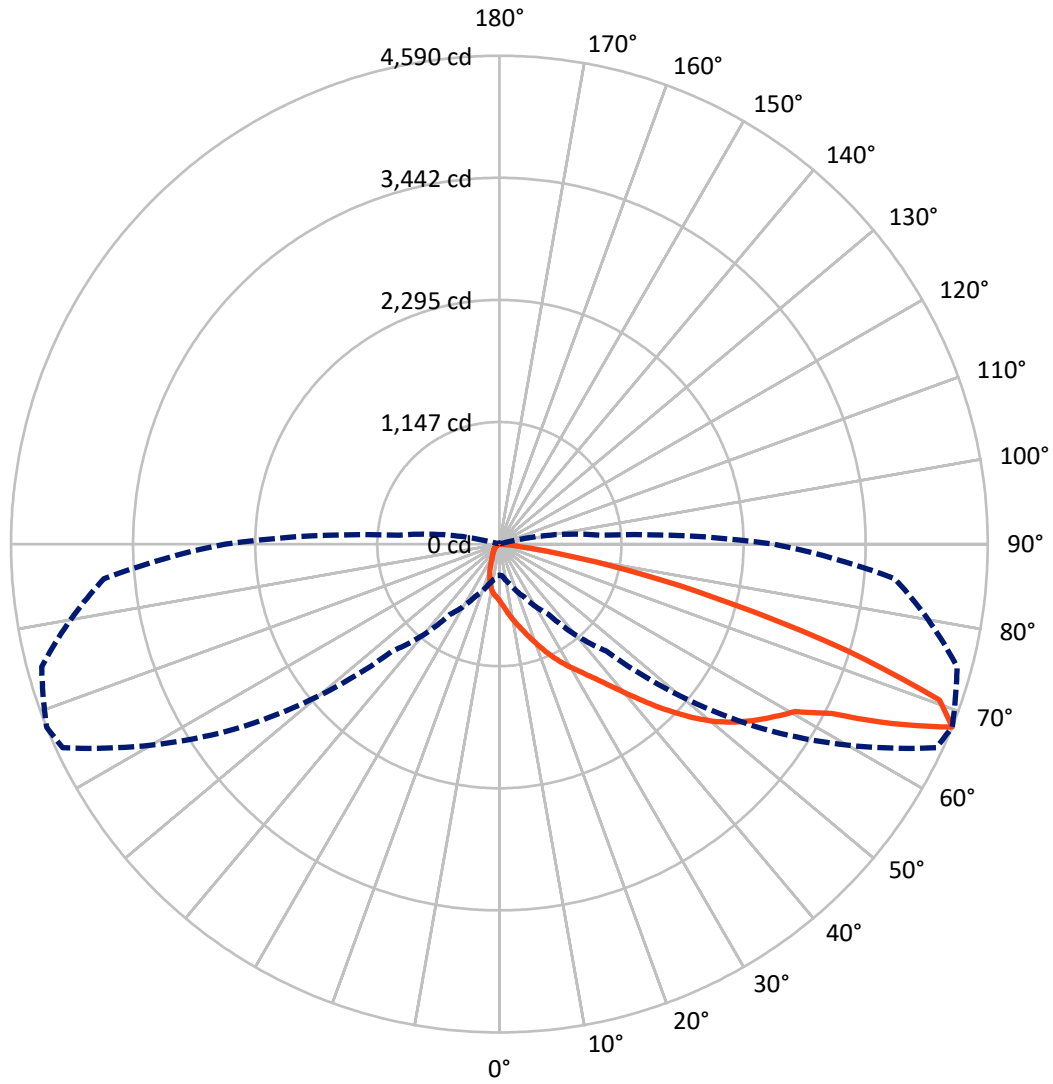
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	330.9	0.0	330.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	4251.6	0.0	4251.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	4582.5	0.0	4582.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	1.1
10°-20°	149.4	3.3
20°-30°	256.7	5.6
30°-40°	446.3	9.7
40°-50°	778.7	17.0
50°-60°	1174.5	25.6
60°-70°	1177.7	25.7
70°-80°	519.6	11.3
80°-90°	27.8	0.6
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°	4582.5	100.0
0°-180°	4582.5	100.0

Coefficient of Utilization

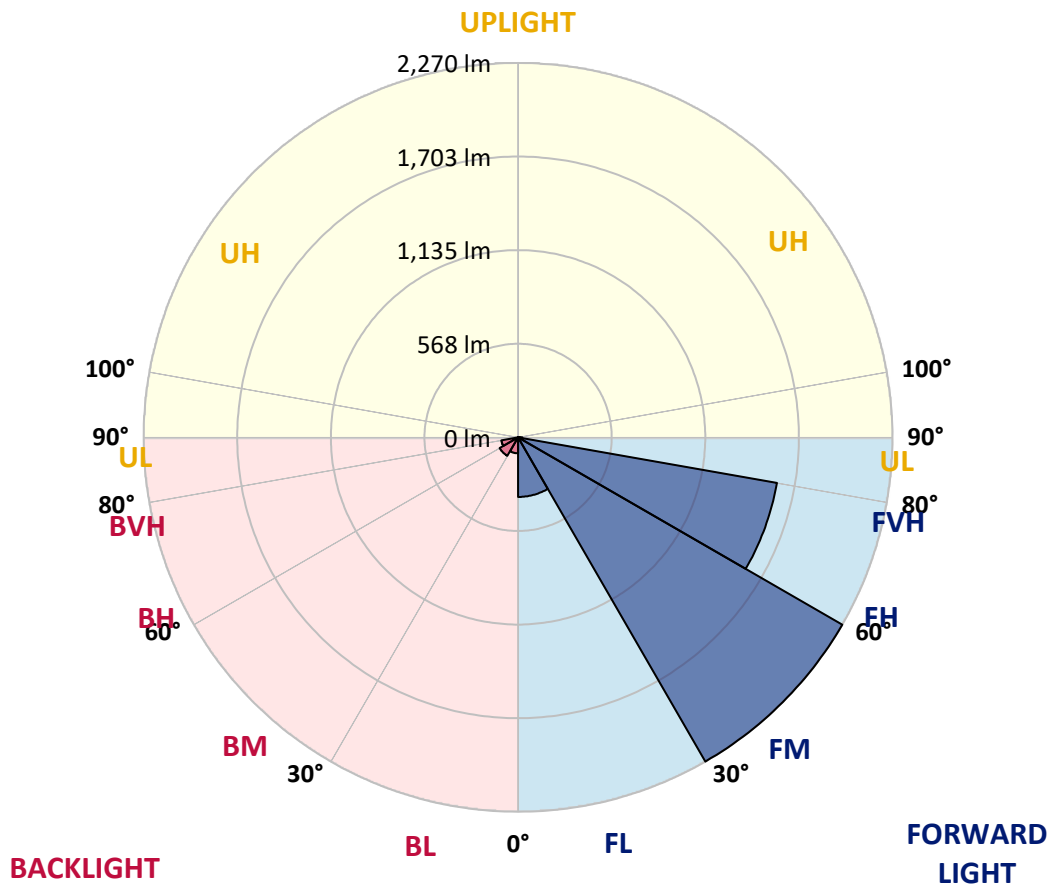


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.2	7.9			
FM (30°-60°)	2270.2	49.5			
FH (60°-80°)	1594.0	34.8			G1/1800
FVH (80°-90°)	26.2	0.6			G1/100
BL (0°-30°)	96.8	2.1	B0/110		
BM (30°-60°)	129.3	2.8	B0/220		
BH (60°-80°)	103.3	2.3	B0/110		G0/110
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3
2.5°	621.0	624.9	621.0	621.9	610.5	605.2	593.8	578.0	574.1	564.0	548.6
5°	696.9	700.4	696.4	695.6	682.4	672.7	653.9	626.7	618.8	599.1	568.8
7.5°	738.1	740.3	741.6	743.8	739.0	731.1	714.0	680.2	671.9	639.9	597.3
10°	742.5	744.2	750.8	764.0	773.6	778.4	768.8	737.7	724.5	693.4	632.4
12.5°	730.2	732.8	743.4	765.3	792.0	816.6	822.7	795.5	783.7	743.8	673.6
15°	714.0	716.2	730.6	760.5	800.8	846.0	871.4	859.6	846.4	804.8	719.2
17.5°	689.0	692.0	712.2	752.6	804.8	869.2	924.0	928.0	918.8	873.6	769.7
20°	674.9	677.1	695.1	736.8	802.1	886.3	973.2	1010.4	1000.4	953.0	827.6
22.5°	686.8	688.5	700.4	732.8	793.4	896.0	1018.8	1092.9	1087.2	1038.1	888.5
25°	749.1	754.8	747.7	753.4	797.3	901.2	1055.6	1175.3	1176.7	1127.1	951.7
27.5°	875.4	867.9	851.2	822.7	828.0	915.3	1087.2	1253.0	1264.4	1213.9	1007.8
30°	1003.9	999.5	989.4	945.1	908.3	946.4	1113.9	1332.3	1350.3	1299.4	1057.8
32.5°	1148.1	1152.5	1134.5	1081.5	1018.8	1009.6	1141.6	1407.8	1441.5	1396.4	1116.6
35°	1320.5	1321.8	1286.3	1227.5	1156.5	1113.9	1191.1	1491.1	1553.4	1520.0	1195.1
37.5°	1488.5	1496.4	1477.1	1384.5	1321.4	1243.8	1273.1	1598.1	1685.8	1672.7	1293.7
40°	1637.1	1649.4	1643.3	1553.8	1470.9	1405.6	1400.3	1723.5	1845.9	1860.8	1424.0
42.5°	1755.5	1763.4	1768.3	1704.7	1631.4	1594.6	1557.3	1869.1	2034.9	2095.9	1583.6
45°	1880.5	1883.2	1893.3	1850.3	1786.2	1789.3	1742.8	2045.9	2234.0	2356.4	1767.0
47.5°	2039.7	2048.5	2043.7	1998.5	1940.6	1975.3	1934.5	2227.9	2430.5	2634.4	1954.7
50°	2233.6	2242.8	2238.4	2185.8	2121.3	2135.8	2110.3	2404.6	2619.9	2896.7	2110.8
52.5°	2333.6	2341.0	2395.4	2419.1	2385.3	2293.2	2260.3	2598.9	2780.0	3112.4	2254.2
55°	2285.3	2290.6	2409.0	2509.0	2632.7	2540.6	2411.2	2748.9	2921.2	3280.9	2360.8
57.5°	2085.3	2113.8	2274.8	2444.1	2704.1	2784.8	2655.9	2912.0	3057.2	3397.9	2465.6
60°	1675.3	1674.0	1904.7	2208.6	2564.7	2851.9	3001.5	3132.6	3193.6	3487.9	2605.9
62.5°	925.8	934.1	1241.1	1641.5	2177.0	2678.3	3260.7	3513.7	3504.5	3644.9	2825.6
65°	460.9	477.6	644.2	940.3	1448.6	2213.4	3305.4	4095.3	4068.9	4014.6	3279.5
67.5°	292.5	299.1	391.2	546.4	805.2	1422.7	3026.9	4529.0	4589.9	4453.1	3729.9
70°	189.5	200.4	271.9	373.7	485.9	733.3	2217.3	4247.9	4387.8	4404.9	3449.3
72.5°	103.1	111.0	173.7	266.6	350.8	366.6	1245.5	3187.9	3412.9	3736.5	2698.4
75°	58.8	64.5	95.2	181.1	257.4	223.2	552.1	2134.0	2277.4	2670.4	1933.6
77.5°	35.5	40.3	53.5	88.2	161.4	149.1	208.8	1299.0	1390.2	1593.3	1014.8
80°	16.2	19.3	33.8	48.7	88.2	70.6	79.8	605.6	625.4	653.9	335.9
82.5°	7.5	8.8	15.3	28.9	50.0	40.8	30.7	139.9	196.9	186.4	85.5
85°	0.9	0.9	5.7	11.8	14.0	10.5	12.7	31.6	39.9	56.1	24.6
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	2.6	3.9	5.7	9.2	6.1
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°	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3
2.5°	541.6	529.3	518.4	502.1	491.2	478.9	470.6	460.5	456.5	453.5	449.1
5°	553.9	534.2	507.4	477.6	453.0	429.8	408.3	394.3	382.0	380.2	374.1
7.5°	574.1	544.7	499.5	450.8	409.2	370.6	340.3	315.8	303.5	299.5	292.5
10°	600.8	560.5	487.7	413.1	353.0	307.0	272.8	245.2	225.9	218.8	213.6
12.5°	630.6	574.9	468.8	366.6	298.2	245.6	202.2	172.8	160.5	156.1	152.2
15°	664.9	588.5	439.0	320.1	244.7	180.7	150.0	137.3	132.0	130.7	129.4
17.5°	697.7	597.3	403.5	271.9	188.1	140.3	125.9	121.0	119.7	118.4	117.5
20°	735.0	603.5	361.8	226.3	146.0	118.8	111.8	108.3	105.7	103.1	102.6
22.5°	773.2	603.5	316.6	181.6	122.4	106.6	98.7	92.1	87.3	84.6	83.8
25°	809.6	595.1	271.9	145.2	107.9	94.7	84.6	77.2	70.6	67.5	66.7
27.5°	835.5	573.6	232.9	122.8	97.8	84.2	71.9	63.6	58.3	55.3	54.8
30°	851.7	541.6	196.9	109.6	89.0	73.2	61.0	53.9	50.0	47.8	46.9
32.5°	864.0	502.1	164.9	100.4	80.7	63.6	53.1	47.4	43.9	42.1	41.7
35°	888.5	464.9	141.2	92.1	71.9	55.7	46.5	42.1	39.5	37.3	36.8
37.5°	922.7	433.7	122.4	84.6	63.6	49.6	42.1	38.2	36.0	33.8	33.3
40°	973.2	414.0	108.3	77.2	56.1	44.7	38.6	35.1	32.0	29.8	29.4
42.5°	1050.8	404.8	99.1	69.7	49.6	40.3	35.5	31.1	28.1	25.9	25.4
45°	1143.3	409.6	91.2	62.3	45.2	37.3	31.6	27.2	24.1	21.9	21.5
47.5°	1242.4	426.7	84.6	55.3	40.8	34.2	28.1	23.2	20.6	18.4	18.0
50°	1345.9	454.8	78.9	48.7	37.3	30.7	24.1	20.2	17.5	15.8	15.3
52.5°	1435.8	492.9	73.2	43.9	34.2	27.2	21.1	17.5	14.9	13.2	12.7
55°	1521.8	528.9	68.9	39.5	30.7	23.7	18.4	14.9	12.7	11.0	10.5
57.5°	1615.2	567.1	63.6	35.5	27.6	21.1	16.2	12.7	11.0	9.2	8.8
60°	1751.2	623.6	55.7	32.5	24.1	18.4	14.0	11.4	9.6	7.5	7.0
62.5°	1947.2	726.7	46.9	28.1	20.6	15.8	11.8	9.6	7.9	6.1	5.3
65°	2313.8	902.1	38.6	23.2	16.7	13.2	10.1	7.9	6.1	4.4	3.9
67.5°	2577.8	947.7	31.1	18.9	13.6	10.1	8.3	6.1	4.4	3.1	2.6
70°	2253.7	680.6	24.1	15.3	11.4	7.9	6.6	4.8	3.1	2.2	1.8
72.5°	1698.1	444.7	18.0	11.8	8.8	6.6	4.8	3.9	2.6	1.8	1.3
75°	1196.8	257.0	13.2	8.8	6.1	4.8	3.9	3.1	2.2	1.3	1.3
77.5°	613.5	106.1	9.2	6.1	4.4	3.1	2.6	1.8	1.8	1.3	0.9
80°	186.4	35.1	5.3	3.9	3.1	2.2	1.3	1.3	1.3	0.9	0.4
82.5°	42.5	11.4	3.1	3.1	2.2	1.8	1.3	0.4	0.4	0.0	0.0
85°	11.0	3.5	2.6	2.2	2.2	1.8	0.9	0.4	0.0	0.0	0.0
87.5°	3.9	2.2	2.2	2.2	1.8	1.3	0.9	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)