

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: P630477

Luminaire Tested: GWS-SA1D-760-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6065.3 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

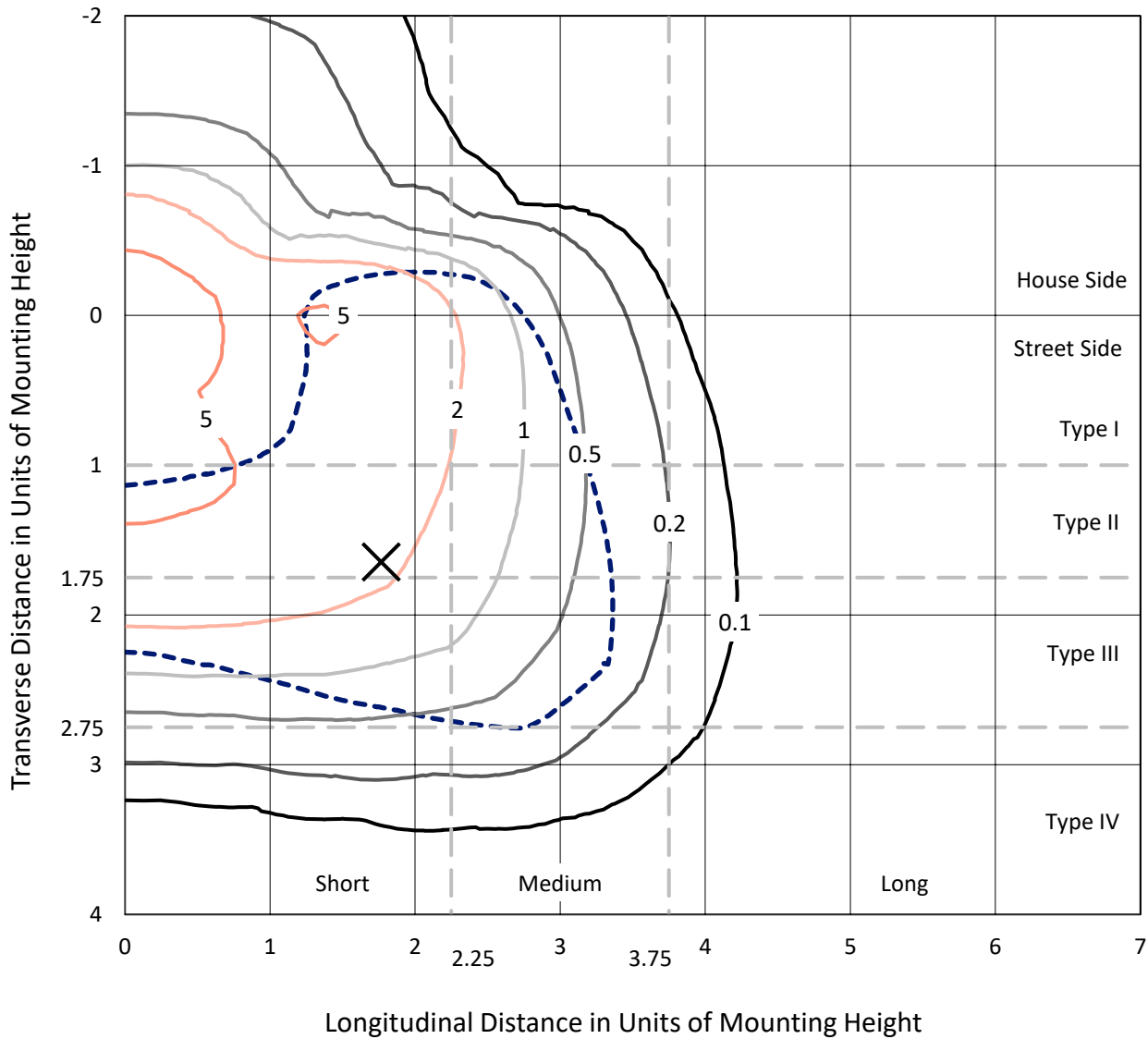
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630477
 CATALOG NUMBER: GWS-SA1D-760-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

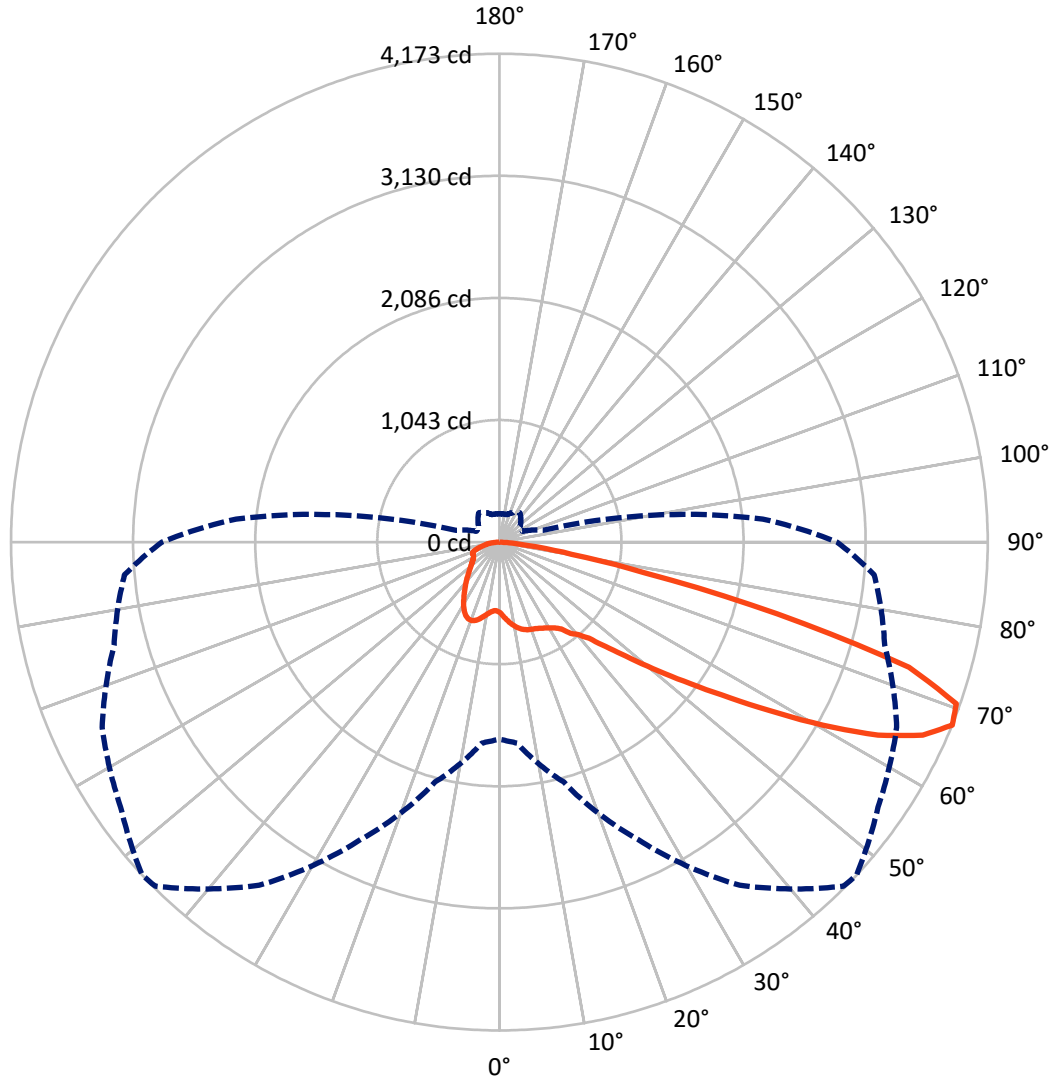
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

REPORT NUMBER: P630477
CATALOG NUMBER: GWS-SA1D-760-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P630477

CATALOG NUMBER: GWS-SA1D-760-U-T4W-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1382.3	0.0	1382.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	4683.0	0.0	4683.0
	% Fixture	77.2	0.0	77.2
Total	Lumens	6065.3	0.0	6065.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.0
10°-20°	204.7	3.4
20°-30°	348.0	5.7
30°-40°	509.8	8.4
40°-50°	776.7	12.8
50°-60°	1389.6	22.9
60°-70°	1854.3	30.6
70°-80°	838.6	13.8
80°-90°	82.2	1.4
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°	6065.3	100.0
0°-180°	6065.3	100.0

Coefficient of Utilization



REPORT NUMBER: P630477

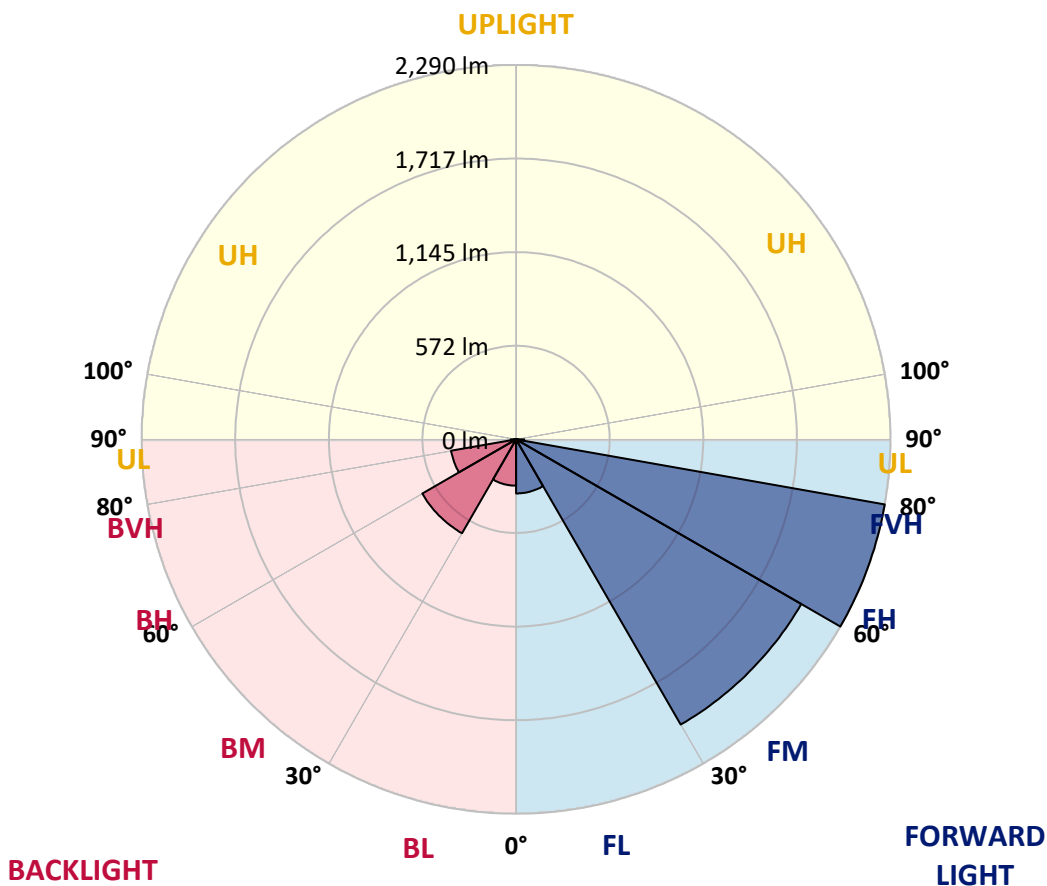
CATALOG NUMBER: GWS-SA1D-760-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.8	5.5			
FM (30°-60°)	2013.7	33.2			
FH (60°-80°)	2289.6	37.7			G2/5000
FVH (80°-90°)	48.9	0.8			G1/100
BL (0°-30°)	283.4	4.7	B1/500		
BM (30°-60°)	662.3	10.9	B1/1000		
BH (60°-80°)	403.3	6.6	B1/500		G1/500
BVH (80°-90°)	33.3	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-G2

Type III Short





REPORT NUMBER: P630477
 CATALOG NUMBER: GWS-SA1D-760-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3
2.5°	641.2	643.4	642.9	639.4	637.2	633.3	633.7	627.6	618.4	612.2	605.2
5°	697.7	701.3	696.9	691.2	682.4	669.7	668.4	654.3	636.8	624.5	611.8
7.5°	746.9	749.1	743.8	734.1	721.4	704.3	701.3	684.6	662.7	643.4	624.9
10°	785.0	787.7	780.6	767.9	751.3	734.1	732.0	714.8	691.6	668.8	645.6
12.5°	817.5	818.3	810.9	793.8	775.8	758.3	756.1	740.3	718.8	695.6	670.1
15°	836.3	836.8	827.6	808.7	791.6	776.2	774.9	761.3	741.6	719.7	692.5
17.5°	835.0	835.9	829.3	812.6	797.7	788.5	787.2	778.4	763.1	743.4	716.2
20°	818.8	819.7	815.3	804.3	796.4	793.8	794.2	791.6	782.4	766.2	738.5
22.5°	806.1	807.4	803.4	795.5	794.7	800.8	802.1	803.4	799.1	784.6	757.8
25°	812.2	814.4	808.3	797.3	799.1	812.6	815.3	819.7	816.2	803.9	780.6
27.5°	854.7	856.1	840.3	817.9	812.6	827.1	831.1	838.1	835.5	824.1	806.1
30°	953.4	952.5	918.8	864.0	842.0	847.7	850.8	860.9	861.8	854.3	837.2
32.5°	1092.4	1088.1	1035.9	948.6	885.0	871.0	874.5	888.1	898.2	890.3	867.0
35°	1239.4	1235.4	1178.0	1075.8	964.4	915.7	911.8	922.3	937.6	915.7	882.4
37.5°	1379.3	1373.1	1314.4	1188.1	1062.2	994.2	988.5	978.0	968.8	926.7	901.2
40°	1534.5	1527.5	1476.2	1333.2	1170.1	1054.3	1039.8	998.2	989.8	963.1	950.4
42.5°	1700.3	1700.3	1657.7	1517.0	1300.3	1140.3	1121.4	1058.7	1067.5	1049.9	1035.0
45°	1866.1	1870.9	1837.1	1702.0	1474.4	1302.5	1272.3	1183.2	1204.3	1196.4	1188.9
47.5°	2007.3	2016.5	2009.9	1891.1	1687.6	1499.9	1453.8	1361.3	1406.5	1425.3	1446.4
50°	2159.5	2169.5	2163.0	2116.0	1937.1	1738.9	1697.7	1602.1	1679.7	1736.3	1805.1
52.5°	2385.3	2399.8	2345.0	2327.0	2240.2	2010.4	1973.5	1864.7	2005.5	2099.4	2252.9
55°	2576.1	2575.7	2556.4	2597.6	2565.6	2342.3	2301.6	2202.9	2382.7	2482.2	2706.8
57.5°	2664.7	2675.2	2741.4	2858.1	2922.1	2748.0	2709.0	2608.1	2787.5	2839.2	3081.7
60°	2710.3	2723.4	2851.5	3082.2	3254.5	3190.9	3175.6	3047.1	3148.0	3141.8	3397.9
62.5°	2646.3	2672.6	2878.3	3184.8	3491.8	3636.1	3631.3	3437.0	3454.5	3394.4	3594.0
65°	2352.4	2380.9	2703.7	3133.5	3627.3	3974.7	3976.0	3790.0	3690.0	3517.2	3561.1
67.5°	1682.3	1723.1	2122.2	2803.7	3579.5	4157.5	4172.9	3950.1	3745.3	3408.5	3215.5
70°	917.0	946.8	1259.5	2038.0	3148.8	4113.7	4142.2	3872.9	3501.4	2948.4	2475.2
72.5°	416.6	426.3	585.9	1118.3	2151.1	3540.9	3660.2	3456.3	2875.6	2177.9	1574.0
75°	190.8	195.2	255.2	535.0	1124.0	2369.5	2453.3	2574.3	2001.1	1375.3	820.5
77.5°	119.7	121.0	145.2	244.7	560.5	1182.8	1270.9	1532.8	1171.8	680.6	343.0
80°	70.6	71.9	90.3	132.4	263.1	541.2	624.9	606.1	550.8	293.8	156.1
82.5°	35.5	36.8	52.2	75.4	143.4	215.3	253.5	254.8	205.2	159.2	88.2
85°	12.7	13.2	17.1	29.8	61.0	71.0	79.4	96.9	100.4	92.5	42.5
87.5°	0.0	0.0	0.4	0.9	1.8	7.0	7.5	14.0	29.4	32.9	17.1
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: P630477
 CATALOG NUMBER: GWS-SA1D-760-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3	601.3
2.5°	603.0	596.4	594.2	592.1	588.5	587.2	584.6	582.0	582.0	579.3	578.0
5°	606.1	597.3	591.6	589.0	586.8	588.1	588.1	589.0	592.1	590.3	591.2
7.5°	617.1	607.0	599.1	596.9	596.9	602.1	605.6	610.0	615.7	616.6	616.6
10°	636.3	624.5	616.2	614.9	617.1	624.5	629.8	635.0	642.0	642.5	643.4
12.5°	657.4	645.6	637.2	639.0	641.2	650.8	656.5	660.9	667.9	667.9	667.5
15°	679.3	666.2	659.2	662.7	669.2	680.2	681.1	681.5	685.0	684.2	683.7
17.5°	702.1	688.1	682.8	688.1	695.1	700.4	696.0	689.9	688.5	686.8	685.9
20°	724.5	710.0	707.8	711.8	714.0	709.6	696.0	684.6	679.3	676.7	675.8
22.5°	743.8	731.5	730.2	730.2	719.2	703.9	683.7	668.4	661.3	657.8	657.0
25°	766.6	755.2	753.0	741.2	713.1	685.0	657.8	643.8	638.1	636.3	636.8
27.5°	793.4	785.5	778.4	744.7	695.6	651.7	621.0	614.9	612.7	614.9	616.2
30°	826.2	818.3	802.6	740.3	667.5	608.3	578.9	578.5	585.0	590.7	591.6
32.5°	853.0	849.5	823.6	726.3	628.0	560.5	535.5	537.2	549.1	557.0	558.3
35°	874.0	879.7	841.2	703.0	581.1	515.3	495.6	496.4	503.0	514.0	514.4
37.5°	903.9	923.2	856.9	667.5	527.1	476.3	458.3	451.7	450.8	453.9	454.8
40°	964.0	992.9	868.3	615.7	475.0	441.2	421.0	408.3	397.3	389.0	386.4
42.5°	1054.7	1088.1	874.9	553.0	428.5	406.5	383.7	367.5	348.2	330.7	324.5
45°	1221.4	1232.3	874.9	486.4	387.2	374.1	351.3	332.0	307.4	286.8	282.4
47.5°	1488.0	1452.9	875.8	421.9	350.8	345.6	325.8	303.9	276.7	259.6	257.0
50°	1889.7	1766.5	893.8	368.4	320.6	321.5	307.0	282.9	258.3	245.6	243.4
52.5°	2345.0	2152.9	942.0	328.9	295.1	301.7	293.8	270.6	248.7	237.7	235.5
55°	2773.0	2508.1	983.2	300.9	273.7	285.1	284.6	263.1	243.4	232.4	231.1
57.5°	3137.0	2751.5	977.1	278.0	255.2	269.7	276.3	258.3	239.9	230.7	229.4
60°	3363.3	2880.4	889.8	257.0	241.2	258.7	271.5	257.0	241.6	239.5	239.9
62.5°	3461.5	2856.8	722.3	241.2	232.0	253.5	276.7	266.2	257.9	263.1	266.2
65°	3308.9	2653.3	531.5	229.4	223.2	254.8	289.0	280.7	257.9	261.4	262.7
67.5°	2885.3	2258.6	384.2	217.5	212.3	258.7	306.6	278.5	243.0	243.0	240.3
70°	2079.2	1624.4	278.9	205.7	201.3	253.0	307.4	263.6	225.9	224.5	218.0
72.5°	1251.2	958.2	217.5	192.5	184.6	224.5	288.1	246.0	209.2	198.2	190.3
75°	649.9	480.2	182.4	178.1	158.3	190.3	263.6	218.8	178.9	169.3	164.9
77.5°	278.5	224.5	156.6	158.8	131.6	160.1	212.7	189.5	158.8	146.5	142.5
80°	137.3	127.6	123.7	127.2	105.3	123.7	183.3	165.8	134.6	120.6	114.9
82.5°	78.5	74.6	89.0	90.3	75.0	103.5	154.8	140.3	111.4	96.0	86.8
85°	36.4	39.0	53.9	54.4	46.5	71.0	101.3	78.9	59.2	49.1	46.9
87.5°	14.5	17.1	23.7	23.2	13.6	13.2	8.8	4.8	3.9	3.5	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

(END OF REPORT)