

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: P629783

Luminaire Tested: GWS-SA1C-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3758 lumens
Efficiency: N/A
Efficacy: 110.2 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

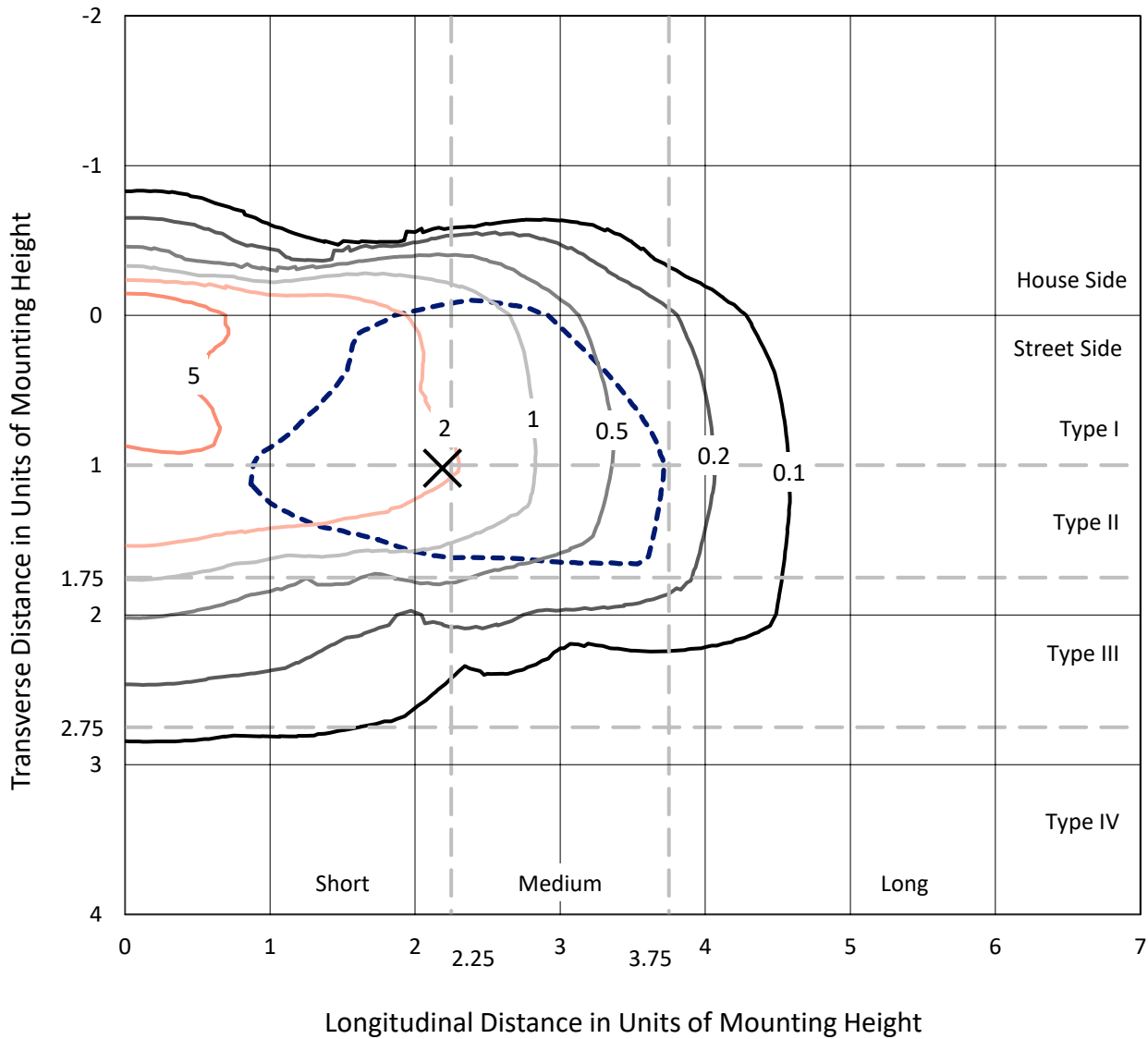
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

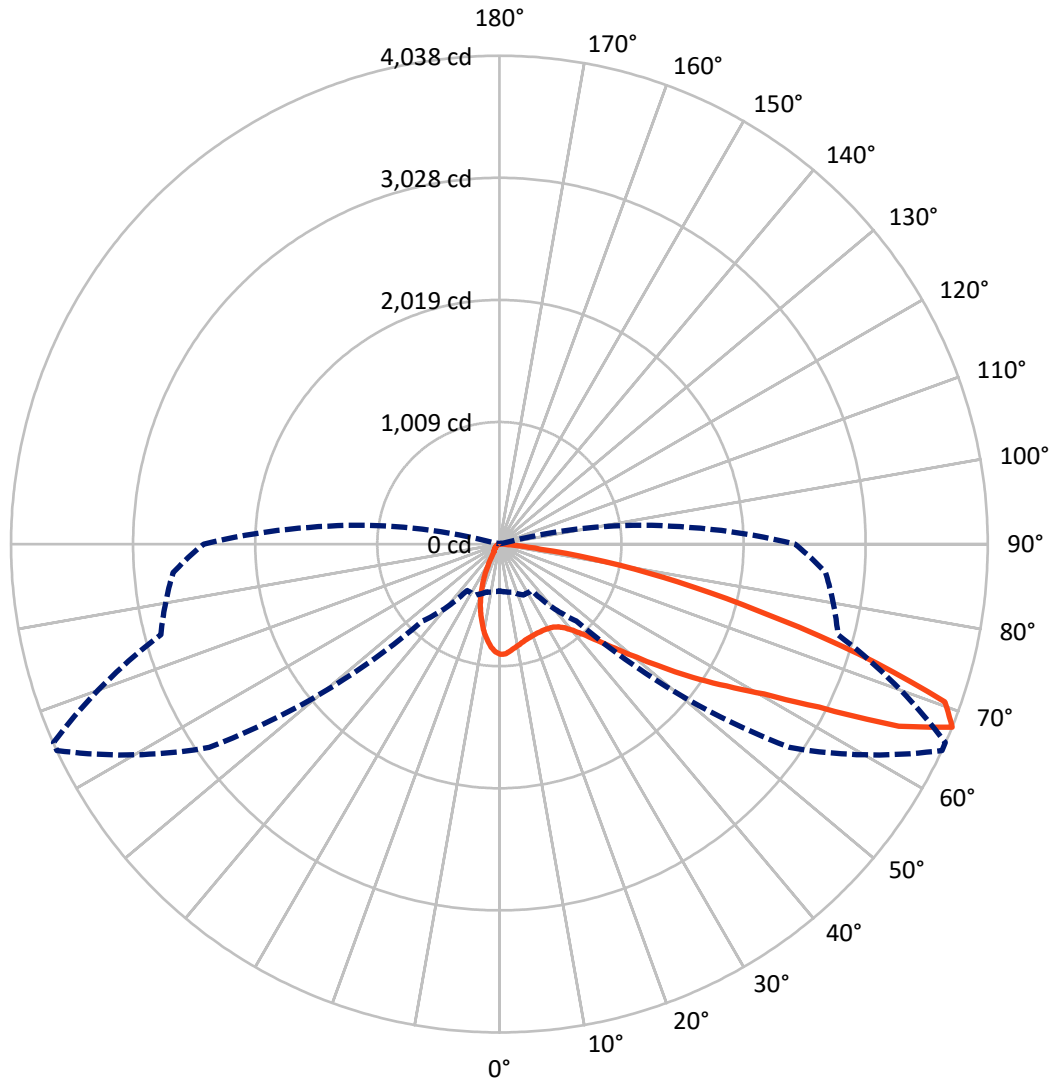
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.3	0.0	469.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	3288.7	0.0	3288.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	3758.0	0.0	3758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	2.0
10°-20°	170.2	4.5
20°-30°	243.2	6.5
30°-40°	353.8	9.4
40°-50°	554.1	14.7
50°-60°	864.4	23.0
60°-70°	949.4	25.3
70°-80°	505.3	13.4
80°-90°	42.1	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°	3758.0	100.0
0°-180°	3758.0	100.0

Coefficient of Utilization



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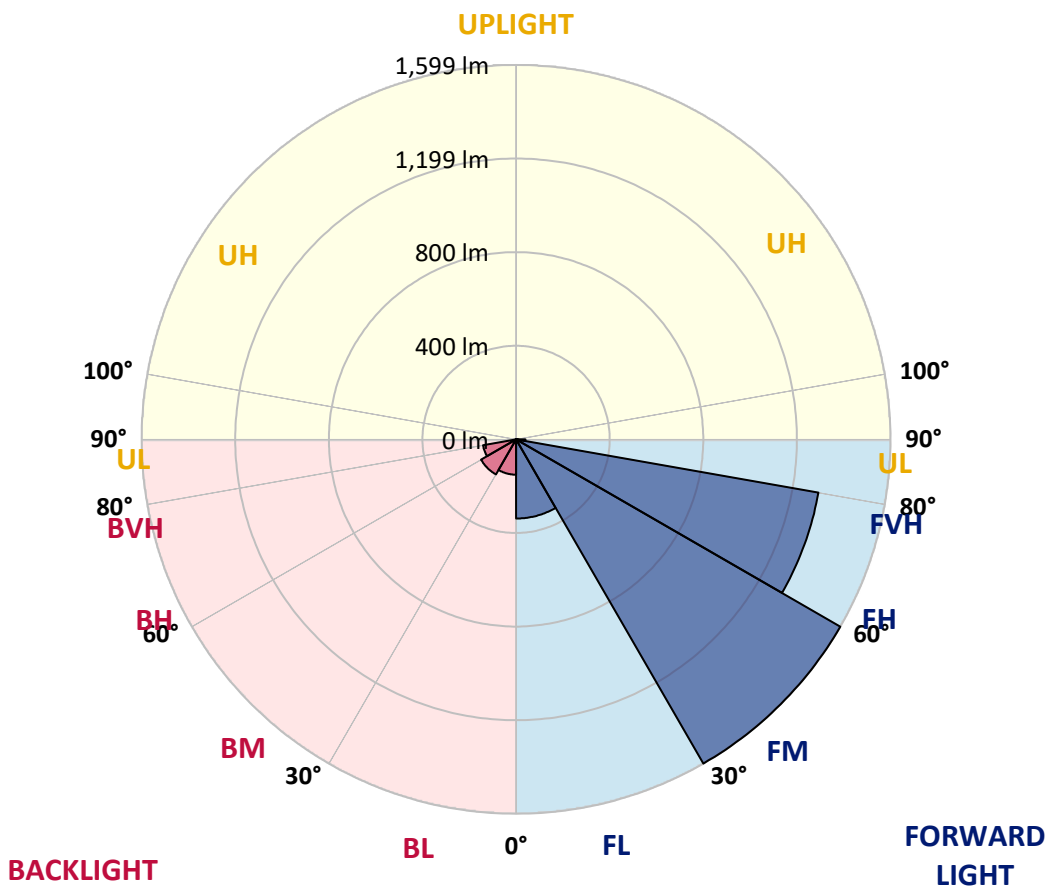
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.2	9.0			
FM (30°-60°)	1599.3	42.6			
FH (60°-80°)	1311.4	34.9			G1/1800
FVH (80°-90°)	39.8	1.1			G1/100
BL (0°-30°)	150.8	4.0	B1/500		
BM (30°-60°)	172.9	4.6	B0/220		
BH (60°-80°)	143.3	3.8	B1/500		G1/500
BVH (80°-90°)	2.3	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4
2.5°	879.8	882.5	878.8	888.0	889.7	899.9	905.7	909.7	909.4	914.5	914.5
5°	828.2	830.9	828.9	838.7	846.5	862.5	875.8	891.0	891.7	907.4	913.1
7.5°	784.3	784.7	784.7	796.9	807.1	826.8	846.5	870.0	872.7	896.8	912.1
10°	748.3	749.3	749.7	763.6	774.8	798.6	823.8	852.0	855.0	887.6	911.4
12.5°	723.5	723.8	725.2	739.8	752.1	776.9	802.3	834.6	838.7	877.1	908.4
15°	711.6	710.9	711.6	723.8	736.1	759.9	786.0	820.7	825.1	868.3	908.7
17.5°	710.9	709.9	709.2	718.4	726.2	747.3	773.8	811.5	816.3	864.2	912.5
20°	720.8	720.1	716.7	720.8	722.5	739.8	766.0	804.4	809.1	863.5	920.6
22.5°	746.6	744.9	739.8	736.1	726.9	737.1	760.5	799.3	804.7	865.2	931.1
25°	785.0	784.3	777.9	768.7	745.3	741.2	760.9	799.3	804.4	867.3	942.4
27.5°	842.8	838.7	830.6	814.6	780.9	757.1	767.7	801.3	806.4	870.0	951.5
30°	901.6	901.2	898.5	882.2	832.3	787.7	782.0	806.8	811.5	872.4	960.0
32.5°	962.4	963.4	970.2	957.7	902.9	833.3	807.8	818.0	821.4	877.1	967.5
35°	1020.2	1022.2	1040.2	1044.6	988.9	902.3	849.9	840.4	840.7	887.6	977.4
37.5°	1075.6	1082.4	1111.3	1132.7	1096.0	985.9	910.8	878.5	875.8	908.7	992.3
40°	1138.4	1151.4	1187.7	1224.1	1212.5	1096.3	993.7	936.9	931.1	947.5	1019.2
42.5°	1208.1	1222.0	1270.3	1321.3	1326.7	1229.9	1097.3	1022.2	1012.4	1012.7	1069.5
45°	1282.9	1301.6	1357.6	1431.0	1464.0	1378.7	1225.1	1137.4	1127.6	1113.0	1150.3
47.5°	1381.1	1397.4	1451.4	1536.0	1599.3	1538.4	1392.6	1285.6	1267.6	1246.2	1276.1
50°	1465.7	1480.0	1526.5	1632.6	1764.1	1744.4	1582.6	1470.8	1453.5	1417.1	1441.9
52.5°	1484.4	1495.6	1538.4	1657.7	1890.2	2004.3	1815.4	1694.7	1682.5	1615.2	1624.7
55°	1400.5	1417.4	1455.8	1588.4	1923.1	2258.5	2117.5	1947.2	1921.8	1814.4	1831.4
57.5°	1188.4	1218.6	1254.7	1427.0	1833.7	2393.8	2539.6	2214.7	2191.6	2006.0	2006.4
60°	871.0	895.5	919.6	1077.3	1621.7	2384.6	2922.6	2515.1	2473.0	2162.7	2156.9
62.5°	633.4	646.0	645.7	701.8	1113.6	2227.6	3123.7	2967.8	2869.6	2330.2	2297.3
65°	498.2	497.9	512.5	530.8	621.9	1719.6	3148.6	3628.7	3522.7	2554.9	2486.2
67.5°	387.7	395.2	409.8	463.9	467.3	899.9	2930.4	4037.6	4035.5	2897.8	2707.5
70°	299.1	309.2	330.0	408.8	431.6	503.6	2192.6	3908.1	3941.0	3051.0	2550.8
72.5°	192.0	191.3	221.9	330.3	414.6	419.7	1212.5	3104.4	3141.8	2763.5	2062.4
75°	107.4	108.1	125.4	202.2	386.4	394.9	600.5	2213.7	2243.2	2154.5	1584.6
77.5°	42.1	43.5	58.8	106.4	254.9	352.7	356.8	1509.5	1514.0	1335.2	971.9
80°	17.0	18.0	29.9	65.9	155.3	237.5	254.9	889.3	871.3	516.9	282.7
82.5°	5.1	5.4	11.9	37.4	81.2	168.9	172.0	341.2	322.2	111.1	72.0
85°	0.3	0.3	2.7	11.6	28.9	42.5	114.5	111.1	98.6	27.9	31.9
87.5°	0.0	0.0	0.3	0.3	0.7	1.4	12.2	20.4	20.7	5.1	14.3
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°	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4	911.4
2.5°	914.5	902.3	901.2	891.7	882.2	870.3	856.4	846.2	839.0	826.5	824.1
5°	913.1	896.8	881.5	854.3	824.1	791.5	762.9	736.4	719.8	708.6	703.8
7.5°	910.4	889.7	854.3	803.0	752.4	695.3	650.8	610.0	582.1	565.8	558.7
10°	908.4	880.5	823.1	745.3	666.8	587.9	520.3	459.8	426.2	399.6	395.2
12.5°	904.3	867.3	783.0	677.6	576.4	471.7	385.4	311.3	260.0	236.9	228.7
15°	900.2	853.3	742.9	606.3	477.8	348.7	244.0	172.6	137.3	126.4	125.7
17.5°	899.5	840.7	699.4	538.6	374.5	228.4	139.0	111.8	104.3	101.6	101.6
20°	901.6	830.2	656.6	460.8	272.9	139.0	103.6	96.9	92.4	90.1	90.1
22.5°	903.6	819.3	615.4	382.3	181.1	101.6	91.4	85.6	80.5	77.8	76.5
25°	905.0	807.4	569.9	303.5	118.3	88.4	80.2	72.7	66.6	63.2	63.2
27.5°	904.6	793.2	524.0	226.3	91.8	78.5	68.6	60.8	54.7	51.0	51.3
30°	901.9	777.5	476.4	158.0	80.2	68.6	58.8	50.6	44.5	41.5	41.1
32.5°	899.9	760.9	421.4	111.1	72.0	60.2	50.0	42.1	37.0	34.7	34.3
35°	897.5	744.6	369.1	84.6	64.9	52.0	42.1	35.7	31.6	29.6	29.6
37.5°	898.2	727.6	312.3	72.7	57.8	45.2	36.0	30.6	27.2	25.1	24.8
40°	908.7	717.4	256.6	65.9	51.3	39.1	31.3	26.5	23.1	21.1	20.7
42.5°	934.9	717.7	203.2	60.8	45.5	33.3	27.2	22.8	19.7	17.3	17.0
45°	987.2	732.0	156.0	55.4	39.4	28.9	23.4	19.4	16.3	14.3	13.9
47.5°	1072.9	774.5	118.3	50.6	34.3	25.1	20.1	16.3	13.6	11.9	11.6
50°	1209.1	851.3	93.1	44.9	28.9	21.7	17.0	13.6	11.2	9.5	9.2
52.5°	1372.9	966.5	79.9	39.8	24.8	19.0	14.6	11.2	9.2	7.8	7.5
55°	1561.2	1104.1	73.7	34.7	21.1	16.3	11.9	9.2	7.5	6.5	5.8
57.5°	1733.8	1228.2	73.4	29.6	18.0	13.9	9.9	7.8	6.5	5.1	4.8
60°	1902.0	1331.8	69.0	24.5	15.6	11.6	8.5	6.5	5.4	4.4	4.1
62.5°	2054.6	1416.1	57.8	19.7	13.3	9.5	7.1	5.8	4.8	3.7	3.7
65°	2246.3	1523.5	44.2	16.0	10.9	7.8	6.1	5.1	4.4	3.4	3.4
67.5°	2444.4	1580.2	31.6	13.3	8.8	6.8	5.4	4.8	3.7	3.1	3.1
70°	2214.0	1335.2	22.8	10.9	7.5	5.8	4.8	4.4	3.7	3.1	2.7
72.5°	1729.1	962.7	17.0	8.5	6.5	5.4	4.4	4.1	3.4	2.7	2.7
75°	1282.2	561.4	12.9	6.8	5.1	4.4	4.4	4.1	3.4	2.7	2.4
77.5°	697.0	195.7	9.9	5.4	4.1	3.4	3.7	3.7	3.1	2.4	2.0
80°	184.5	53.7	6.8	4.1	3.4	2.7	2.7	3.4	2.7	2.0	2.0
82.5°	53.7	15.6	4.8	3.4	2.7	2.4	2.4	2.4	2.0	1.7	1.4
85°	26.2	5.8	3.4	2.7	2.4	2.0	1.7	1.7	1.4	1.0	1.0
87.5°	11.6	2.4	2.7	2.4	2.4	1.7	1.4	1.0	1.0	0.7	0.3
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)