

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: P631596

Luminaire Tested: GWS-SA2B-722-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631596
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-SA2B-722-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4029.7 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

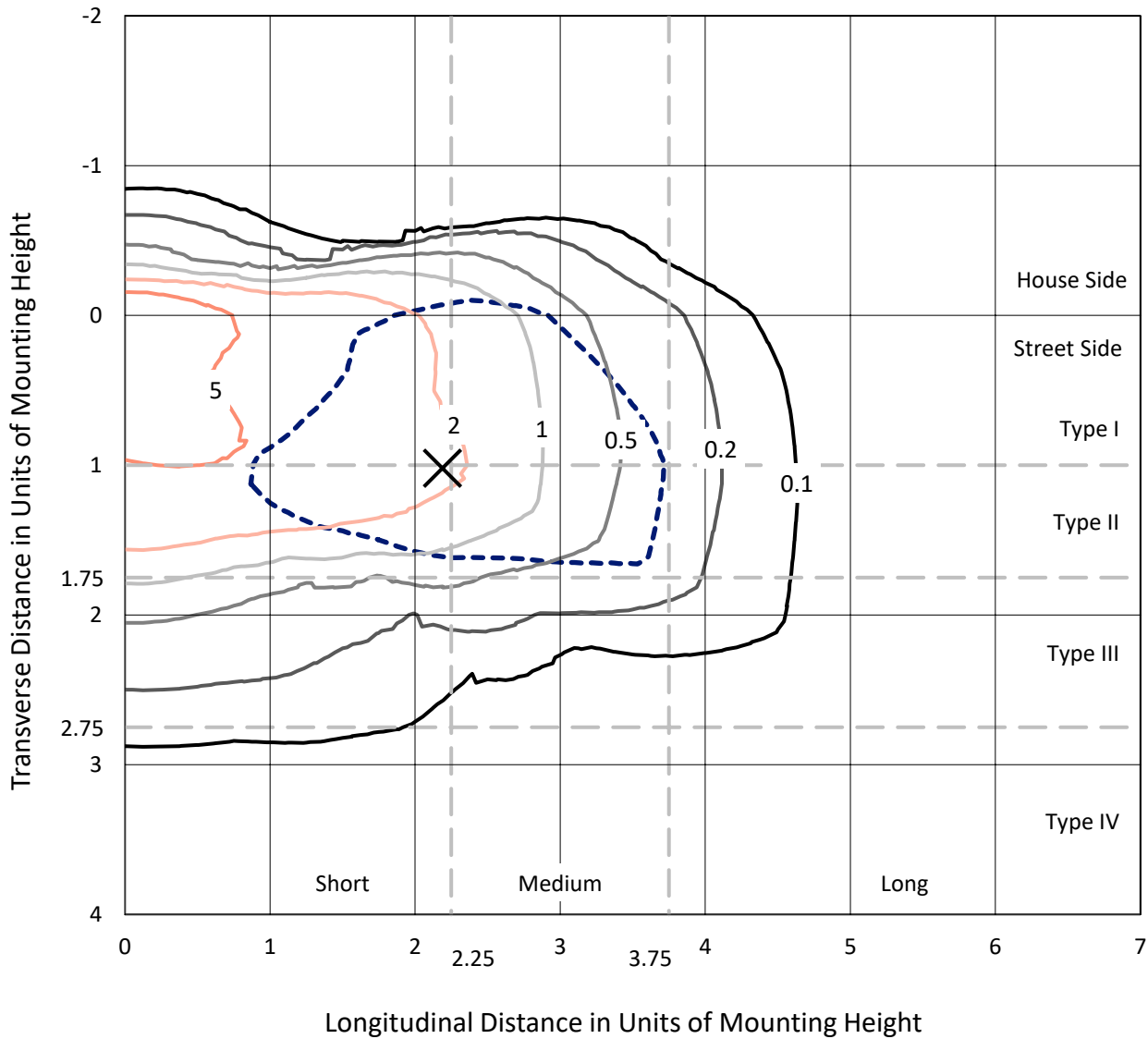
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

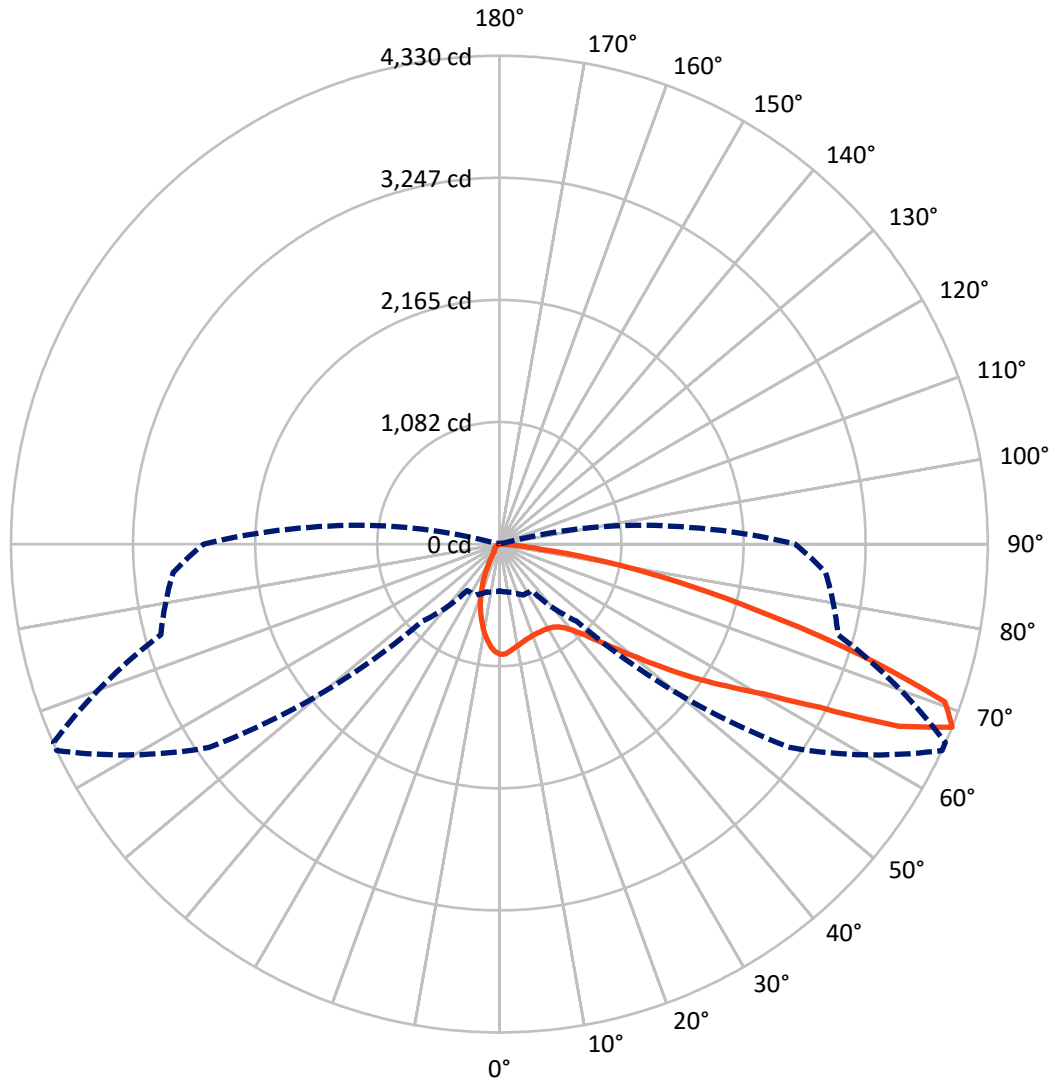
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 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	503.2	0.0	503.2
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	3526.5	0.0	3526.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	4029.7	0.0	4029.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	2.0
10°-20°	182.5	4.5
20°-30°	260.7	6.5
30°-40°	379.3	9.4
40°-50°	594.1	14.7
50°-60°	926.8	23.0
60°-70°	1018.1	25.3
70°-80°	541.8	13.4
80°-90°	45.1	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°	4029.7	100.0
0°-180°	4029.7	100.0

Coefficient of Utilization



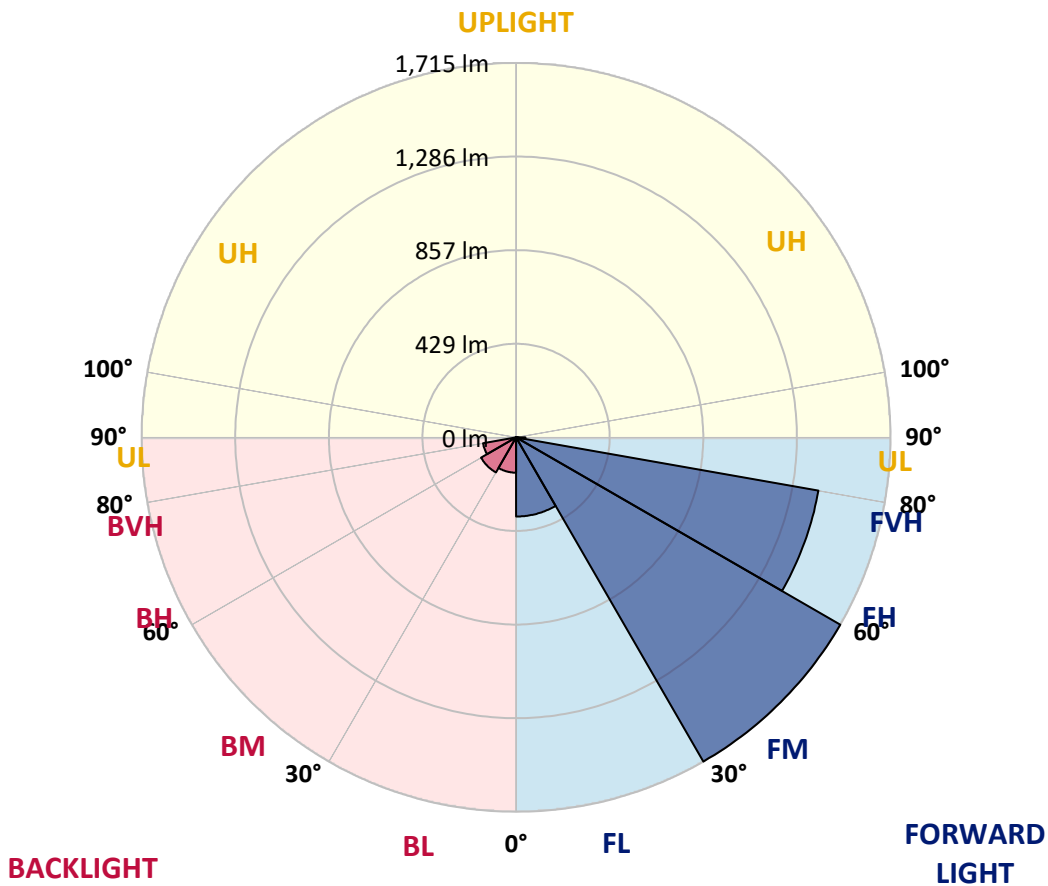
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.6	9.0			
FM (30°-60°)	1715.0	42.6			
FH (60°-80°)	1406.2	34.9			G1/1800
FVH (80°-90°)	42.7	1.1			G1/100
BL (0°-30°)	161.7	4.0	B1/500		
BM (30°-60°)	185.3	4.6	B0/220		
BH (60°-80°)	153.7	3.8	B1/500		G1/500
BVH (80°-90°)	2.4	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°	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3
2.5°	943.4	946.4	942.3	952.2	954.0	964.9	971.1	975.5	975.1	980.6	980.6
5°	888.1	891.0	888.8	899.3	907.7	924.9	939.1	955.5	956.2	973.0	979.2
7.5°	841.0	841.4	841.4	854.5	865.5	886.6	907.7	932.9	935.8	961.7	978.1
10°	802.4	803.5	803.9	818.8	830.8	856.3	883.3	913.6	916.8	951.8	977.3
12.5°	775.8	776.2	777.6	793.3	806.4	833.0	860.4	895.0	899.3	940.5	974.0
15°	763.1	762.3	763.1	776.2	789.3	814.8	842.9	880.0	884.8	931.0	974.4
17.5°	762.3	761.2	760.5	770.3	778.7	801.3	829.7	870.2	875.3	926.7	978.4
20°	772.9	772.2	768.5	772.9	774.7	793.3	821.4	862.5	867.6	925.9	987.2
22.5°	800.6	798.8	793.3	789.3	779.5	790.4	815.5	857.1	862.9	927.8	998.5
25°	841.8	841.0	834.1	824.3	799.1	794.8	815.9	857.1	862.5	930.0	1010.5
27.5°	903.7	899.3	890.6	873.5	837.4	811.9	823.2	859.3	864.7	932.9	1020.3
30°	966.8	966.4	963.5	946.0	892.4	844.7	838.5	865.1	870.2	935.4	1029.4
32.5°	1032.0	1033.1	1040.4	1026.9	968.2	893.5	866.2	877.1	880.8	940.5	1037.5
35°	1093.9	1096.1	1115.4	1120.2	1060.4	967.5	911.4	901.2	901.5	951.8	1048.0
37.5°	1153.3	1160.6	1191.6	1214.6	1175.2	1057.1	976.6	942.0	939.1	974.4	1064.1
40°	1220.8	1234.6	1273.6	1312.6	1300.2	1175.6	1065.5	1004.7	998.5	1016.0	1092.8
42.5°	1295.5	1310.4	1362.1	1416.8	1422.6	1318.8	1176.7	1096.1	1085.6	1085.9	1146.8
45°	1375.6	1395.7	1455.8	1534.5	1569.8	1478.4	1313.7	1219.7	1209.1	1193.4	1233.5
47.5°	1480.9	1498.4	1556.4	1647.1	1714.9	1649.7	1493.3	1378.5	1359.2	1336.3	1368.3
50°	1571.7	1587.0	1636.9	1750.6	1891.6	1870.5	1697.0	1577.1	1558.6	1519.6	1546.2
52.5°	1591.7	1603.7	1649.7	1777.6	2026.8	2149.2	1946.6	1817.3	1804.2	1732.0	1742.2
55°	1501.7	1519.9	1561.1	1703.2	2062.2	2421.8	2270.6	2088.0	2060.7	1945.5	1963.8
57.5°	1274.3	1306.7	1345.4	1530.1	1966.3	2566.9	2723.2	2374.8	2350.0	2151.1	2151.4
60°	934.0	960.2	986.1	1155.2	1738.9	2557.0	3133.9	2696.9	2651.8	2319.1	2312.9
62.5°	679.2	692.7	692.4	752.5	1194.1	2388.7	3349.6	3182.3	3077.0	2498.7	2463.4
65°	534.2	533.9	549.5	569.2	666.9	1843.9	3376.2	3891.1	3777.4	2739.6	2666.0
67.5°	415.8	423.8	439.5	497.4	501.1	964.9	3142.2	4329.5	4327.3	3107.3	2903.2
70°	320.7	331.6	353.8	438.4	462.8	540.0	2351.1	4190.6	4226.0	3271.6	2735.2
72.5°	205.9	205.2	238.0	354.2	444.6	450.0	1300.2	3328.8	3368.9	2963.3	2211.6
75°	115.2	115.9	134.5	216.8	414.3	423.4	643.9	2373.7	2405.4	2310.3	1699.2
77.5°	45.2	46.6	63.0	114.1	273.3	378.3	382.6	1618.7	1623.4	1431.7	1042.2
80°	18.2	19.3	32.1	70.7	166.5	254.7	273.3	953.6	934.3	554.3	303.2
82.5°	5.5	5.8	12.8	40.1	87.1	181.1	184.4	365.9	345.5	119.2	77.3
85°	0.4	0.4	2.9	12.4	31.0	45.6	122.8	119.2	105.7	29.9	34.3
87.5°	0.0	0.0	0.4	0.4	0.7	1.5	13.1	21.9	22.2	5.5	15.3
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°	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3
2.5°	980.6	967.5	966.4	956.2	946.0	933.2	918.3	907.4	899.7	886.2	883.7
5°	979.2	961.7	945.3	916.1	883.7	848.7	818.1	789.7	771.8	759.8	754.7
7.5°	976.2	954.0	916.1	861.1	806.8	745.6	697.8	654.1	624.2	606.7	599.1
10°	974.0	944.2	882.6	799.1	715.0	630.4	557.9	493.0	457.0	428.5	423.8
12.5°	969.7	930.0	839.6	726.6	618.0	505.8	413.2	333.8	278.8	254.0	245.2
15°	965.3	915.0	796.6	650.1	512.4	373.9	261.6	185.1	147.2	135.6	134.8
17.5°	964.6	901.5	749.9	577.6	401.6	244.9	149.0	119.9	111.9	109.0	109.0
20°	966.8	890.2	704.0	494.1	292.6	149.0	111.1	103.9	99.1	96.6	96.6
22.5°	968.9	878.6	659.9	410.0	194.2	109.0	98.0	91.8	86.4	83.4	82.0
25°	970.4	865.8	611.1	325.4	126.8	94.7	86.0	78.0	71.4	67.8	67.8
27.5°	970.0	850.5	561.9	242.7	98.4	84.2	73.6	65.2	58.7	54.7	55.0
30°	967.1	833.8	510.9	169.4	86.0	73.6	63.0	54.3	47.7	44.5	44.1
32.5°	964.9	815.9	451.9	119.2	77.3	64.5	53.6	45.2	39.7	37.2	36.8
35°	962.4	798.4	395.7	90.7	69.6	55.8	45.2	38.3	33.9	31.7	31.7
37.5°	963.1	780.2	334.9	78.0	61.9	48.5	38.6	32.8	29.2	27.0	26.6
40°	974.4	769.3	275.1	70.7	55.0	41.9	33.5	28.4	24.8	22.6	22.2
42.5°	1002.5	769.6	217.9	65.2	48.8	35.7	29.2	24.4	21.1	18.6	18.2
45°	1058.6	784.9	167.3	59.4	42.3	31.0	25.1	20.8	17.5	15.3	14.9
47.5°	1150.4	830.5	126.8	54.3	36.8	27.0	21.5	17.5	14.6	12.8	12.4
50°	1296.5	912.8	99.8	48.1	31.0	23.3	18.2	14.6	12.0	10.2	9.8
52.5°	1472.2	1036.4	85.6	42.6	26.6	20.4	15.7	12.0	9.8	8.4	8.0
55°	1674.1	1183.9	79.1	37.2	22.6	17.5	12.8	9.8	8.0	6.9	6.2
57.5°	1859.2	1317.0	78.7	31.7	19.3	14.9	10.6	8.4	6.9	5.5	5.1
60°	2039.6	1428.1	74.0	26.2	16.8	12.4	9.1	6.9	5.8	4.7	4.4
62.5°	2203.2	1518.5	61.9	21.1	14.2	10.2	7.7	6.2	5.1	4.0	4.0
65°	2408.7	1633.6	47.4	17.1	11.7	8.4	6.6	5.5	4.7	3.6	3.6
67.5°	2621.2	1694.5	33.9	14.2	9.5	7.3	5.8	5.1	4.0	3.3	3.3
70°	2374.1	1431.7	24.4	11.7	8.0	6.2	5.1	4.7	4.0	3.3	2.9
72.5°	1854.1	1032.4	18.2	9.1	6.9	5.8	4.7	4.4	3.6	2.9	2.9
75°	1374.9	602.0	13.8	7.3	5.5	4.7	4.7	4.4	3.6	2.9	2.6
77.5°	747.4	209.9	10.6	5.8	4.4	3.6	4.0	4.0	3.3	2.6	2.2
80°	197.9	57.6	7.3	4.4	3.6	2.9	2.9	3.6	2.9	2.2	2.2
82.5°	57.6	16.8	5.1	3.6	2.9	2.6	2.6	2.6	2.2	1.8	1.5
85°	28.1	6.2	3.6	2.9	2.6	2.2	1.8	1.8	1.5	1.1	1.1
87.5°	12.4	2.6	2.9	2.6	2.6	1.8	1.5	1.1	1.1	0.7	0.4
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)