

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: P628870

Luminaire Tested: GWS-SA1A-740-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2502.8 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

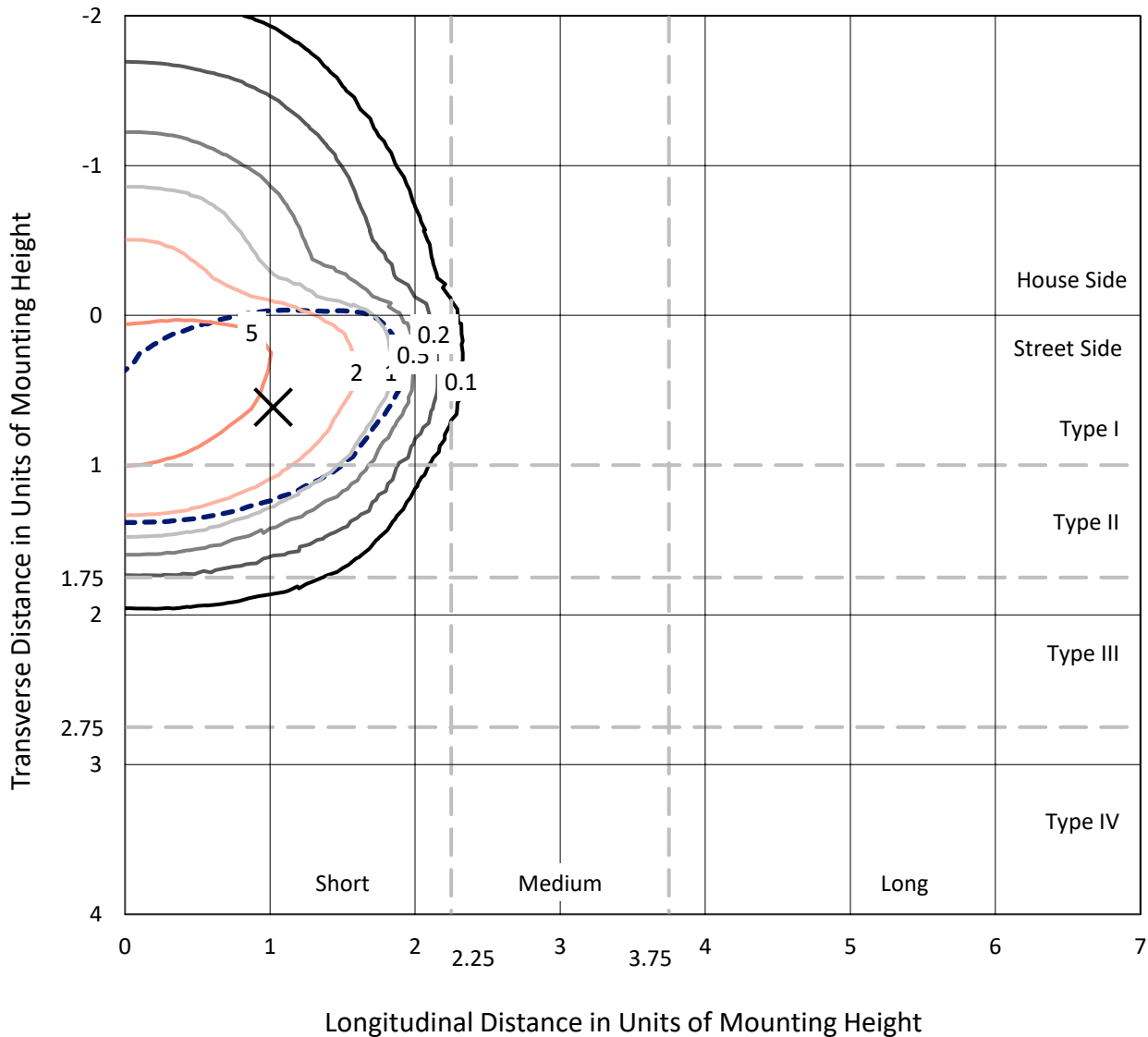
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628870
 CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

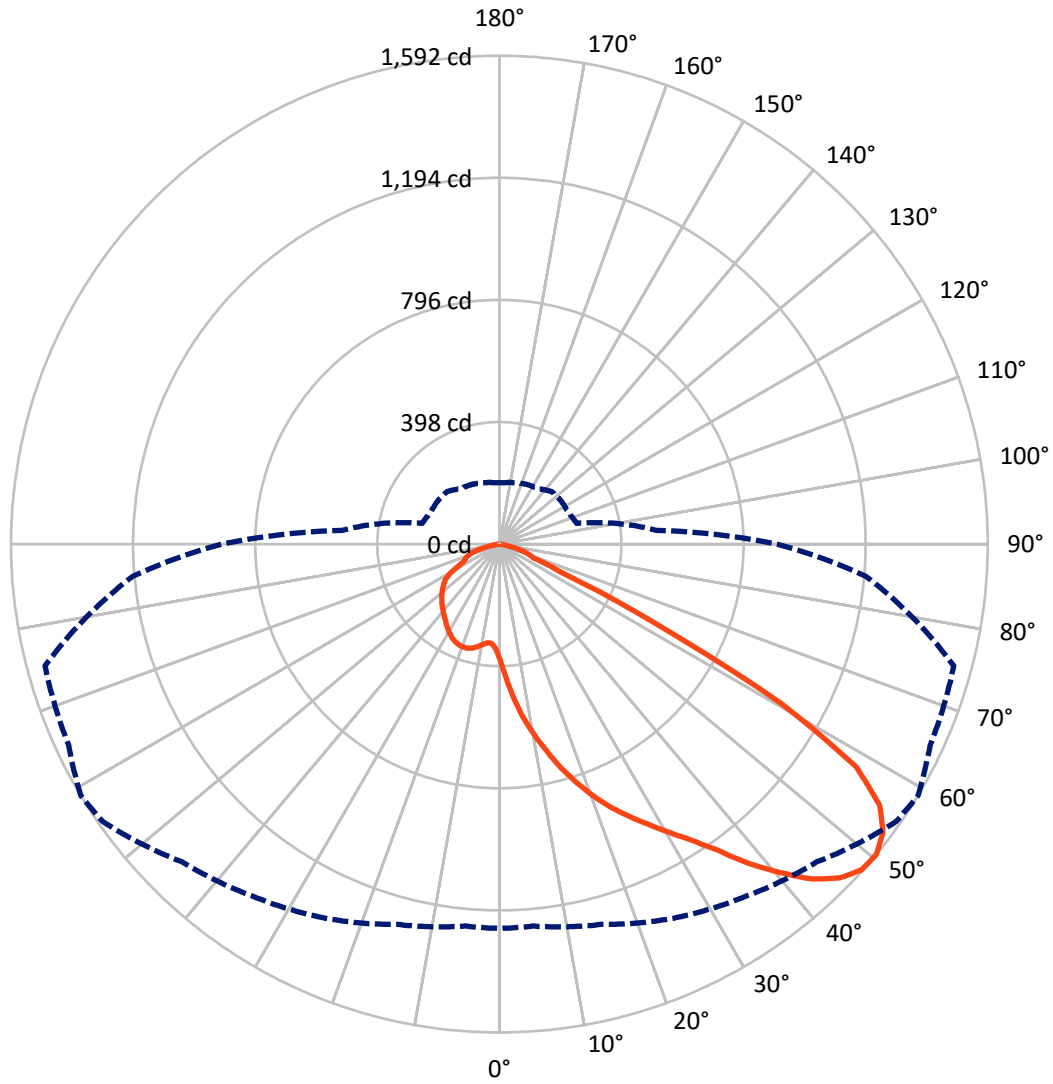
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

REPORT NUMBER: P628870
CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P628870

CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	575.7	0.0	575.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	1927.1	0.0	1927.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	2502.8	0.0	2502.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	1.7
10°-20°	154.4	6.2
20°-30°	292.4	11.7
30°-40°	484.9	19.4
40°-50°	662.4	26.5
50°-60°	601.3	24.0
60°-70°	200.2	8.0
70°-80°	58.4	2.3
80°-90°	6.1	0.2
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°	2502.8	100.0
0°-180°	2502.8	100.0

Coefficient of Utilization



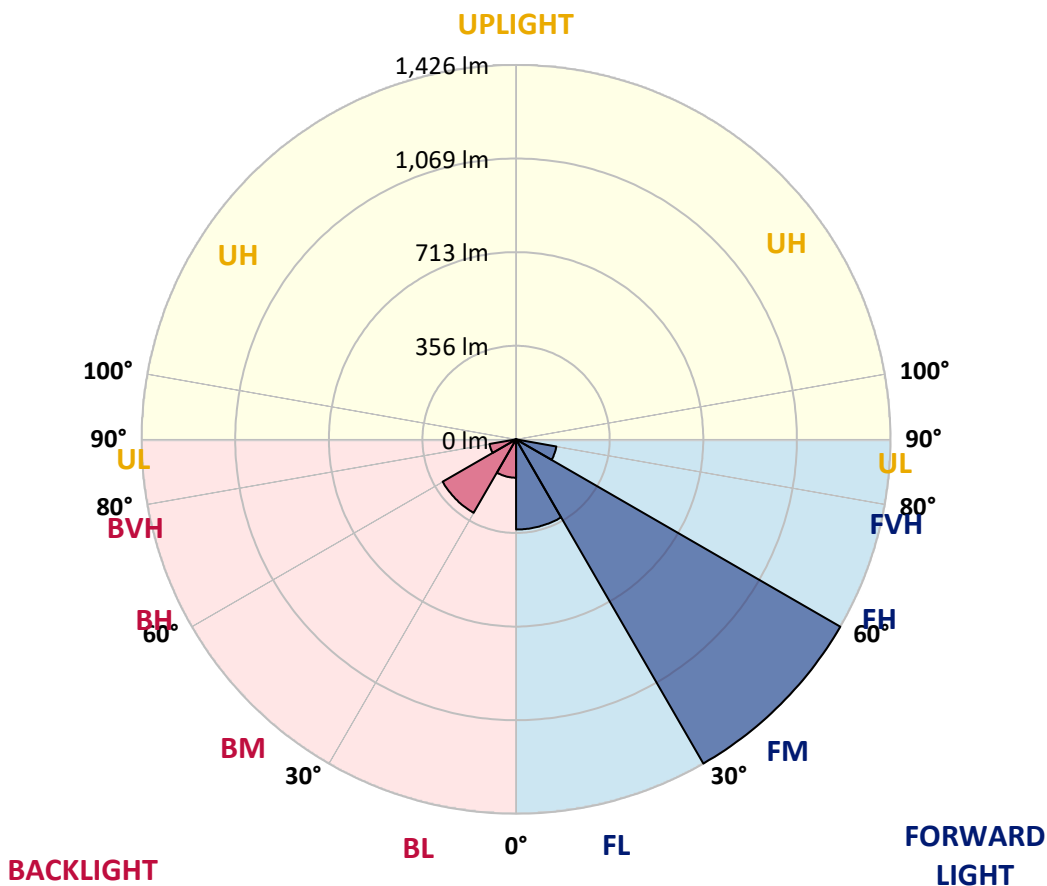
REPORT NUMBER: P628870

CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.2	13.7			
FM (30°-60°)	1425.6	57.0			
FH (60°-80°)	155.9	6.2			G0/660
FVH (80°-90°)	2.4	0.1			G0/10
BL (0°-30°)	146.2	5.8	B1/500		
BM (30°-60°)	323.0	12.9	B1/1000		
BH (60°-80°)	102.8	4.1	B0/110		G0/110
BVH (80°-90°)	3.7	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-G0
 Type II Short





REPORT NUMBER: P628870

CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2
2.5°	491.3	495.0	489.3	489.7	475.4	468.9	450.5	439.7	432.6	412.6	394.5
5°	590.4	586.1	581.6	579.0	566.5	549.0	526.2	508.0	491.3	452.2	414.5
7.5°	651.1	648.9	645.8	644.2	632.0	613.6	590.8	575.3	551.1	498.0	438.7
10°	702.7	700.1	698.2	699.5	689.5	677.7	652.8	635.0	607.7	546.6	468.1
12.5°	742.7	744.1	744.7	751.2	747.0	739.8	714.1	695.4	665.0	597.7	502.5
15°	774.3	773.9	781.0	793.4	800.4	795.9	775.3	759.6	722.5	648.1	539.6
17.5°	781.6	782.0	793.2	815.1	837.7	848.7	837.1	818.3	781.6	697.8	578.2
20°	787.5	788.4	800.0	824.8	857.9	888.7	890.5	877.0	845.4	751.7	617.3
22.5°	824.8	826.7	829.7	845.4	875.2	914.1	935.5	932.7	906.2	808.1	659.5
25°	922.9	917.4	902.5	898.0	909.4	941.0	977.5	983.0	970.0	870.3	705.0
27.5°	1044.0	1038.1	1016.1	992.8	968.2	979.2	1018.1	1034.6	1034.8	938.8	750.6
30°	1153.9	1149.2	1131.3	1098.0	1055.4	1039.5	1068.3	1090.5	1103.7	1017.9	802.6
32.5°	1247.9	1243.6	1219.3	1192.2	1150.6	1118.6	1129.0	1150.4	1181.4	1120.2	867.2
35°	1327.0	1322.7	1299.4	1272.1	1233.6	1214.4	1210.8	1225.4	1265.6	1227.1	941.5
37.5°	1391.2	1386.9	1362.6	1337.0	1307.6	1308.8	1314.3	1321.5	1344.5	1341.4	1020.8
40°	1432.8	1428.3	1411.0	1392.6	1374.1	1388.7	1416.1	1407.5	1419.7	1433.8	1093.7
42.5°	1451.3	1445.6	1435.6	1431.6	1425.8	1448.7	1501.3	1492.7	1478.0	1495.4	1148.0
45°	1432.8	1427.9	1427.7	1440.1	1453.4	1482.7	1560.2	1553.3	1516.2	1525.1	1180.4
47.5°	1375.9	1371.6	1383.2	1415.9	1448.5	1491.3	1586.5	1587.7	1543.3	1537.6	1201.4
50°	1253.0	1250.1	1283.7	1345.5	1401.8	1464.6	1578.1	1592.2	1549.8	1533.7	1198.7
52.5°	1003.0	1016.3	1089.5	1192.6	1301.9	1417.7	1547.1	1565.5	1518.4	1508.2	1184.5
55°	686.6	692.7	765.9	916.6	1089.9	1316.2	1476.0	1504.3	1481.3	1503.9	1199.3
57.5°	355.5	360.4	418.1	551.9	739.2	1040.1	1278.4	1371.4	1406.5	1525.5	1245.6
60°	146.0	150.0	173.9	238.5	372.9	605.7	920.1	1057.9	1140.2	1393.2	1106.2
62.5°	106.0	108.0	119.5	142.3	195.3	296.8	520.7	571.4	629.3	873.2	702.3
65°	89.3	91.5	100.7	114.6	142.5	182.1	222.4	223.6	246.5	355.7	260.3
67.5°	74.8	76.9	85.0	96.8	115.2	129.3	119.5	119.7	119.3	129.0	124.8
70°	58.3	59.9	68.1	80.7	90.3	83.0	93.4	103.4	99.1	103.0	108.9
72.5°	42.6	44.4	51.6	61.2	58.7	59.1	75.6	85.8	83.4	87.7	93.2
75°	30.8	32.0	35.7	30.6	32.2	38.9	53.2	58.7	61.2	64.8	69.7
77.5°	10.0	10.0	11.2	14.1	17.5	21.6	27.1	29.4	33.0	37.1	40.6
80°	5.1	5.3	6.3	7.7	9.8	12.4	15.9	16.9	18.8	21.0	22.4
82.5°	2.4	2.7	3.1	3.9	5.1	6.5	8.8	9.8	11.0	12.4	13.5
85°	0.6	0.6	0.8	1.2	1.6	2.4	3.3	3.9	4.9	5.9	6.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.8	1.0	1.2	1.6
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: P628870

CATALOG NUMBER: GWS-SA1A-740-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2
2.5°	386.3	374.9	360.2	347.8	336.4	327.6	320.1	316.4	312.9	310.5	311.3
5°	396.9	377.4	350.0	331.1	319.5	313.5	309.5	307.4	307.0	305.4	304.8
7.5°	412.4	384.5	348.0	328.8	321.1	318.0	315.8	314.6	315.2	313.5	312.9
10°	431.6	396.3	353.1	336.2	329.4	327.2	324.8	323.1	322.3	319.9	319.5
12.5°	455.4	411.0	362.3	345.6	338.8	335.0	331.7	328.8	327.0	323.9	323.1
15°	481.1	427.3	373.1	354.7	346.8	341.1	335.8	331.5	328.2	324.1	323.5
17.5°	509.1	444.4	382.0	361.0	350.9	343.3	335.6	329.2	324.8	319.5	318.8
20°	538.2	461.8	388.8	364.1	351.1	340.9	330.5	322.1	316.4	311.1	310.7
22.5°	568.4	477.7	392.9	363.3	347.8	335.2	322.7	313.3	306.6	300.3	299.9
25°	598.8	492.9	393.9	360.0	341.3	326.6	314.2	303.1	295.6	288.5	287.7
27.5°	629.5	505.8	391.4	353.5	332.5	316.6	304.2	293.4	285.6	278.5	277.3
30°	662.4	516.8	386.1	344.9	322.3	306.0	293.8	285.6	278.3	271.1	269.9
32.5°	697.4	526.4	378.6	334.5	310.5	295.4	286.4	279.1	271.8	265.4	264.2
35°	739.2	532.7	367.4	321.1	299.5	287.7	281.5	273.0	264.0	257.1	256.5
37.5°	782.4	537.6	353.9	308.2	289.9	283.2	278.1	266.5	255.2	246.9	245.9
40°	824.2	541.7	337.2	296.2	281.1	279.9	273.0	258.5	239.1	229.8	228.9
42.5°	863.2	542.9	319.7	283.4	273.2	272.6	264.8	242.4	227.5	221.6	220.8
45°	889.9	541.9	301.5	271.3	265.2	262.0	253.8	230.8	221.6	216.3	215.3
47.5°	909.7	536.6	281.1	258.7	256.3	251.8	234.2	223.4	214.9	209.6	208.6
50°	906.2	514.6	260.5	246.5	245.5	241.6	220.0	214.3	206.7	201.0	200.2
52.5°	888.2	472.8	239.5	233.0	235.1	227.5	209.8	203.3	196.7	190.2	188.8
55°	892.7	442.6	223.6	220.0	223.6	206.5	198.4	191.4	185.3	179.0	177.8
57.5°	912.3	412.8	206.7	205.9	209.8	190.4	183.7	174.9	166.2	161.1	161.1
60°	766.1	300.9	177.0	179.0	187.8	177.4	171.5	162.5	152.9	148.4	148.4
62.5°	453.0	188.8	146.8	144.5	150.0	156.6	159.8	152.5	141.1	135.2	135.4
65°	199.6	137.4	129.5	127.6	126.0	130.5	139.4	140.1	128.0	121.1	121.3
67.5°	122.9	124.4	121.1	119.7	118.2	117.4	116.6	117.0	113.8	107.4	107.2
70°	110.9	114.8	112.5	111.3	109.5	108.0	103.2	95.2	89.7	88.1	89.9
72.5°	95.4	100.7	99.5	98.9	96.6	93.2	86.6	78.9	72.4	68.3	69.1
75°	72.0	76.2	76.9	77.1	74.6	71.4	64.6	58.1	52.4	48.1	49.1
77.5°	41.4	43.8	44.4	45.1	43.2	42.0	37.5	32.8	29.8	25.3	26.5
80°	23.0	24.1	24.1	24.3	23.2	21.8	18.8	16.1	14.7	12.6	12.8
82.5°	13.9	14.3	14.5	14.7	14.1	12.6	10.4	8.6	7.7	6.7	6.5
85°	6.7	7.1	7.1	7.3	6.3	5.5	4.3	3.3	2.9	2.0	2.2
87.5°	1.6	1.8	1.8	1.6	1.4	1.0	0.6	0.2	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)