

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: P629647

Luminaire Tested: GWS-SA1C-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629647  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

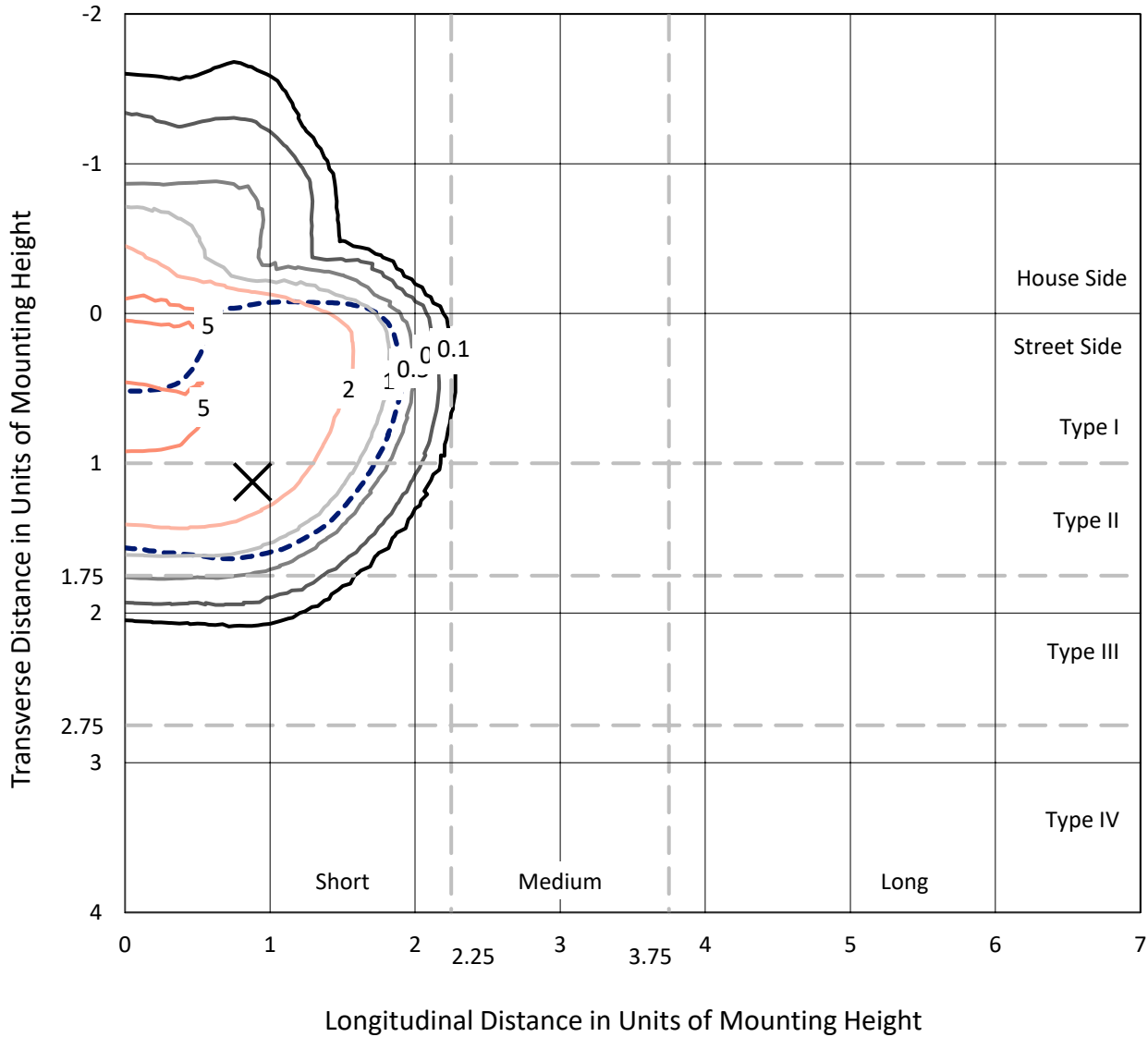
Lumens per Lamp: N/A  
Luminaire Lumens: 2220.6 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

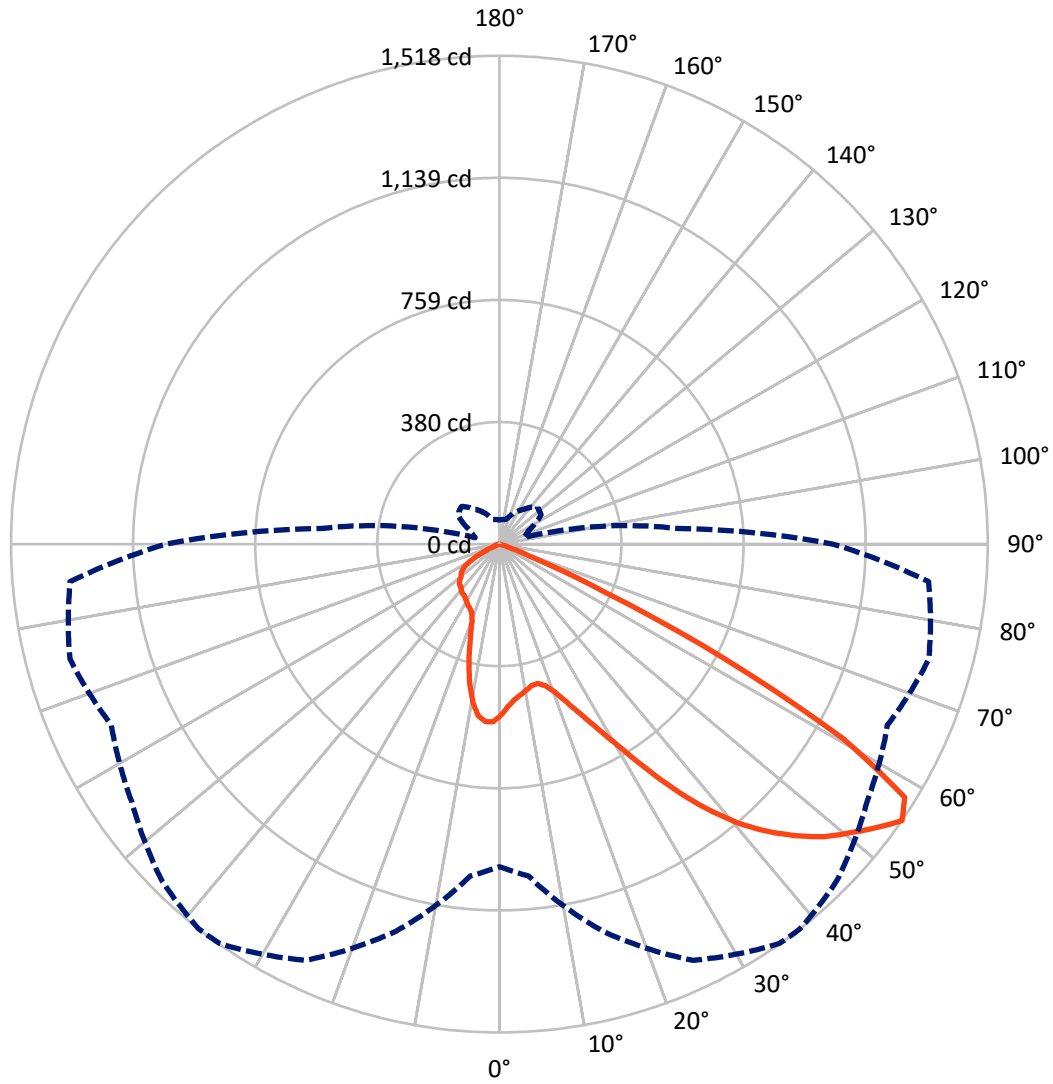
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	432.6	0.0	432.6
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	1788.0	0.0	1788.0
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	2220.6	0.0	2220.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	2.2
10°-20°	132.6	6.0
20°-30°	227.5	10.2
30°-40°	377.3	17.0
40°-50°	554.6	25.0
50°-60°	648.1	29.2
60°-70°	219.7	9.9
70°-80°	11.2	0.5
80°-90°	0.5	0.0
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°	2220.6	100.0
0°-180°	2220.6	100.0

**Coefficient of Utilization**



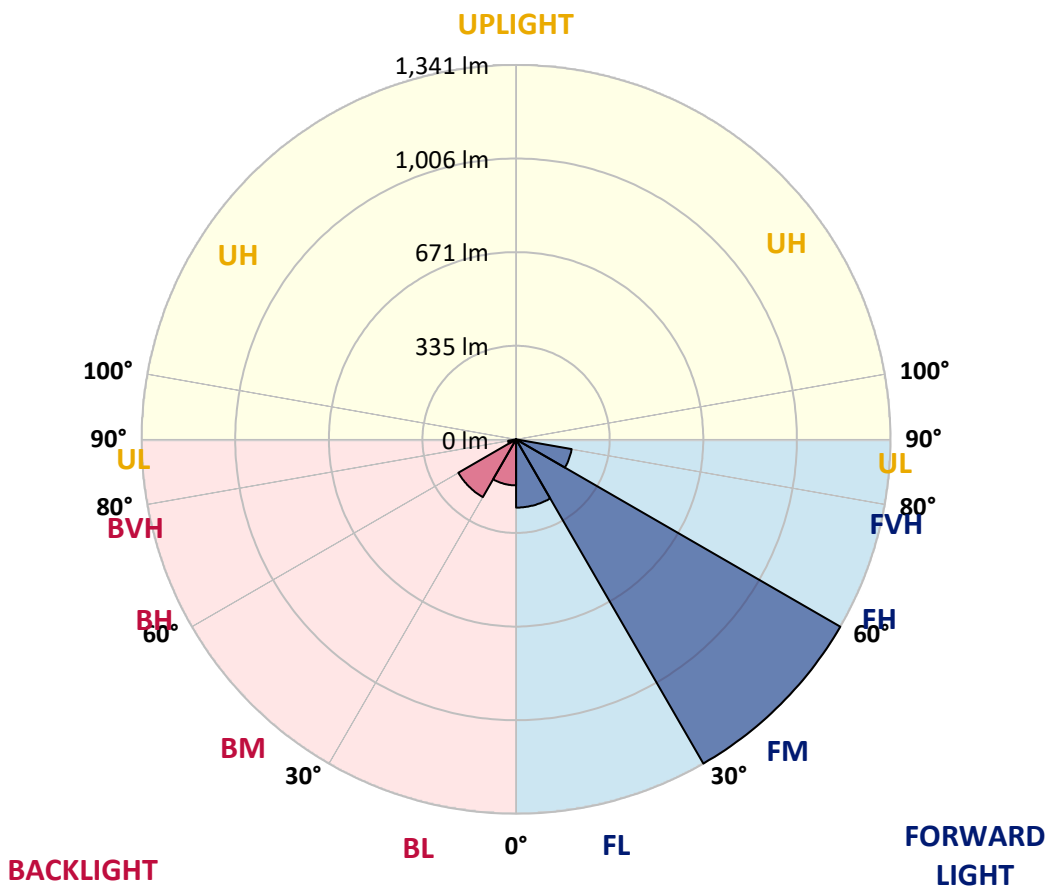
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.4	11.0			
FM (30°-60°)	1341.2	60.4			
FH (60°-80°)	202.1	9.1			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	164.8	7.4	B1/500		
BM (30°-60°)	238.8	10.8	B1/1000		
BH (60°-80°)	28.8	1.3	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5
2.5°	496.0	495.0	497.0	501.0	504.9	506.1	509.9	515.3	518.6	526.4	532.8
5°	473.6	473.1	475.2	478.7	483.8	485.6	491.4	500.3	509.2	522.9	536.3
7.5°	453.3	453.1	456.1	464.0	471.3	473.6	480.7	491.7	503.6	524.6	544.4
10°	426.7	426.9	432.8	443.9	457.4	462.0	473.4	489.1	504.6	531.8	559.2
12.5°	418.0	418.6	421.6	430.2	444.9	450.8	466.8	490.6	510.4	541.9	578.2
15°	439.1	439.1	436.6	437.6	444.2	449.5	466.3	495.7	520.3	554.1	597.0
17.5°	480.0	478.5	472.1	463.5	461.2	463.0	476.4	506.6	534.3	568.3	618.3
20°	535.3	535.8	523.4	505.4	490.9	490.6	498.8	525.9	554.3	585.3	641.4
22.5°	602.3	600.3	583.8	559.2	534.0	532.0	535.3	555.4	583.3	612.2	669.8
25°	680.0	679.0	655.6	622.6	589.4	584.6	584.6	604.3	624.7	650.5	703.8
27.5°	761.2	761.2	738.6	700.5	656.4	647.8	646.5	669.8	683.3	688.4	732.5
30°	844.7	843.7	821.4	782.3	735.1	726.2	722.6	739.9	749.5	734.3	768.3
32.5°	929.5	931.3	908.7	872.4	830.2	824.4	813.5	813.5	821.4	800.0	824.7
35°	1020.6	1020.1	1002.3	977.7	941.7	935.1	917.1	888.9	900.8	891.4	902.6
37.5°	1101.1	1104.9	1096.3	1078.0	1048.8	1042.2	1012.5	961.5	970.6	985.3	995.2
40°	1182.8	1185.9	1194.5	1188.6	1151.8	1139.7	1086.9	1003.1	1013.3	1063.8	1092.2
42.5°	1263.0	1264.5	1282.1	1291.7	1242.5	1221.1	1143.2	1028.5	1039.1	1125.2	1174.9
45°	1314.0	1317.3	1346.3	1375.7	1322.4	1293.2	1192.2	1061.0	1065.5	1167.8	1236.1
47.5°	1312.0	1319.6	1373.9	1427.5	1391.2	1359.7	1251.1	1113.0	1105.4	1207.9	1276.5
50°	1271.1	1280.3	1358.2	1443.2	1440.7	1411.5	1316.6	1188.4	1164.5	1243.5	1281.5
52.5°	1186.4	1212.8	1330.5	1445.3	1480.5	1465.8	1397.5	1289.9	1244.5	1294.5	1289.7
55°	1003.1	1035.6	1246.5	1428.0	1516.6	1518.4	1482.6	1395.8	1331.3	1382.3	1339.7
57.5°	761.5	787.4	959.4	1271.1	1456.9	1486.1	1515.6	1451.6	1384.8	1442.2	1351.3
60°	458.9	488.9	600.8	932.8	1176.7	1226.5	1342.0	1329.5	1249.1	1273.7	1108.2
62.5°	186.1	201.8	277.4	514.0	740.7	787.1	897.8	916.5	896.8	871.6	672.1
65°	68.0	74.4	111.2	212.4	340.6	357.6	416.0	449.3	476.7	405.9	250.0
67.5°	42.1	46.2	72.3	109.1	123.9	115.2	117.3	139.9	133.5	82.5	44.7
70°	31.2	34.5	56.6	75.6	50.0	38.6	26.1	27.9	25.1	22.1	21.8
72.5°	21.6	24.6	42.4	44.7	19.3	13.7	9.6	13.5	15.2	15.0	15.5
75°	14.2	16.5	26.7	17.5	4.8	3.8	3.3	7.1	9.1	9.1	9.4
77.5°	8.4	9.6	9.4	3.6	1.0	1.0	0.8	1.3	2.0	2.3	2.8
80°	1.0	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
82.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
85°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	0.8
87.5°	0.0	0.0	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.8	0.8
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°	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5	532.5
2.5°	537.6	535.8	543.2	548.5	552.8	554.9	552.1	551.8	551.8	546.2	544.7
5°	543.9	544.7	555.1	559.7	560.4	557.9	551.6	547.2	544.7	538.9	535.6
7.5°	556.1	558.7	568.6	567.8	560.9	549.3	532.5	519.6	511.2	502.1	496.5
10°	573.6	578.5	584.6	573.9	552.1	522.4	487.8	463.2	448.5	438.1	431.7
12.5°	595.0	599.8	597.7	572.6	527.2	474.1	429.7	394.2	377.2	367.8	361.2
15°	616.5	619.6	606.4	557.4	483.3	412.0	362.5	327.2	306.4	298.7	293.2
17.5°	638.6	637.9	607.9	527.4	424.6	341.9	293.2	269.1	263.2	261.9	261.4
20°	661.7	654.9	601.8	484.5	354.1	272.6	244.9	246.5	257.1	262.2	263.2
22.5°	688.1	670.8	586.6	426.4	282.0	227.2	230.0	244.9	259.4	266.3	267.3
25°	716.3	685.6	561.2	351.8	222.3	208.9	225.4	242.7	258.1	266.5	267.5
27.5°	734.8	689.1	519.6	276.7	190.9	201.8	219.3	235.8	251.8	260.9	262.2
30°	754.9	687.6	463.0	213.2	180.2	195.7	210.9	225.9	240.6	250.8	251.8
32.5°	784.3	686.6	393.9	173.1	175.9	190.9	202.0	214.5	224.6	230.5	229.7
35°	822.9	685.3	313.5	156.1	173.4	187.1	195.9	201.8	190.6	187.1	187.8
37.5°	872.4	688.4	245.7	149.0	172.6	186.1	193.7	176.9	159.7	153.1	152.0
40°	927.2	696.2	187.3	146.2	175.1	188.6	185.0	157.4	136.0	123.1	120.3
42.5°	982.3	704.9	148.2	145.2	179.5	195.7	170.8	143.2	111.2	103.8	102.8
45°	1023.2	703.3	128.2	143.4	183.3	199.8	167.0	122.8	99.2	95.9	96.2
47.5°	1043.7	686.6	117.3	139.3	184.8	195.7	157.6	114.5	91.1	94.7	97.7
50°	1032.8	643.2	107.1	131.5	181.5	190.4	142.6	108.1	87.1	101.8	108.6
52.5°	1019.6	589.9	95.9	119.3	173.6	183.0	136.8	106.4	84.5	98.2	103.3
55°	1037.1	556.1	77.7	100.5	158.1	165.7	132.2	106.1	78.7	76.4	75.6
57.5°	1012.5	488.9	55.6	72.3	121.3	131.2	128.9	104.3	69.8	69.5	70.6
60°	782.5	298.2	38.1	45.9	74.4	83.8	117.0	99.8	60.2	55.3	55.6
62.5°	444.7	126.9	26.1	28.4	38.1	45.2	89.3	90.6	55.6	52.8	55.6
65°	154.8	45.4	20.3	19.0	21.1	24.1	51.3	70.1	50.5	45.7	46.2
67.5°	32.0	22.6	18.0	15.7	15.7	15.7	26.1	43.7	41.6	36.3	36.8
70°	20.3	19.3	15.7	13.5	12.9	11.9	15.0	24.1	28.7	26.4	26.7
72.5°	15.0	14.7	12.4	10.9	9.6	8.6	9.4	11.9	14.7	15.2	15.5
75°	9.1	9.4	8.1	6.9	6.1	5.3	5.6	5.6	5.6	5.1	5.6
77.5°	2.8	3.0	2.5	2.0	1.8	1.8	1.8	1.5	1.3	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.5	0.5	0.3	0.3	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)