

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: P629864

Luminaire Tested: GWS-SA1C-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3528.7 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

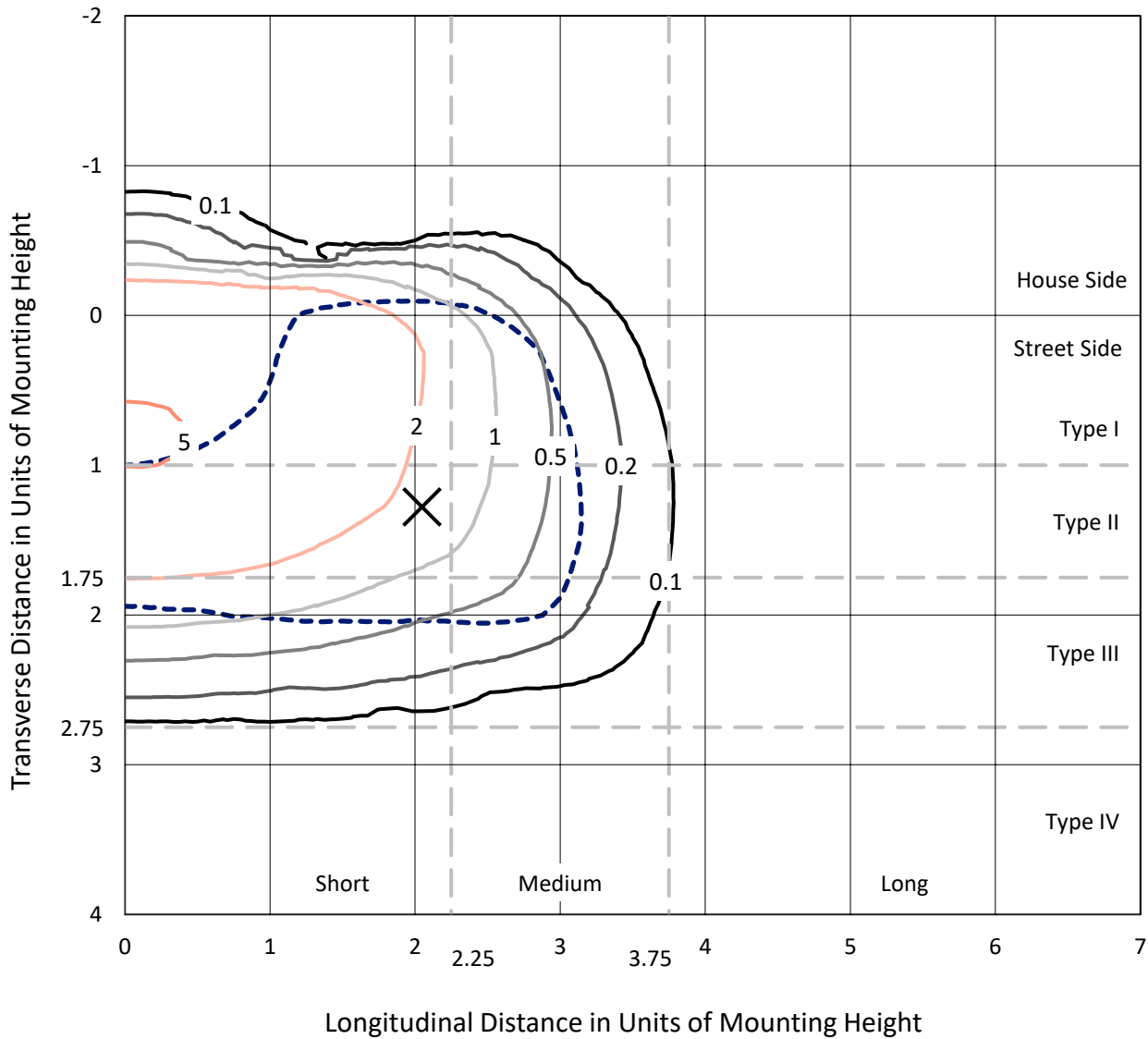
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

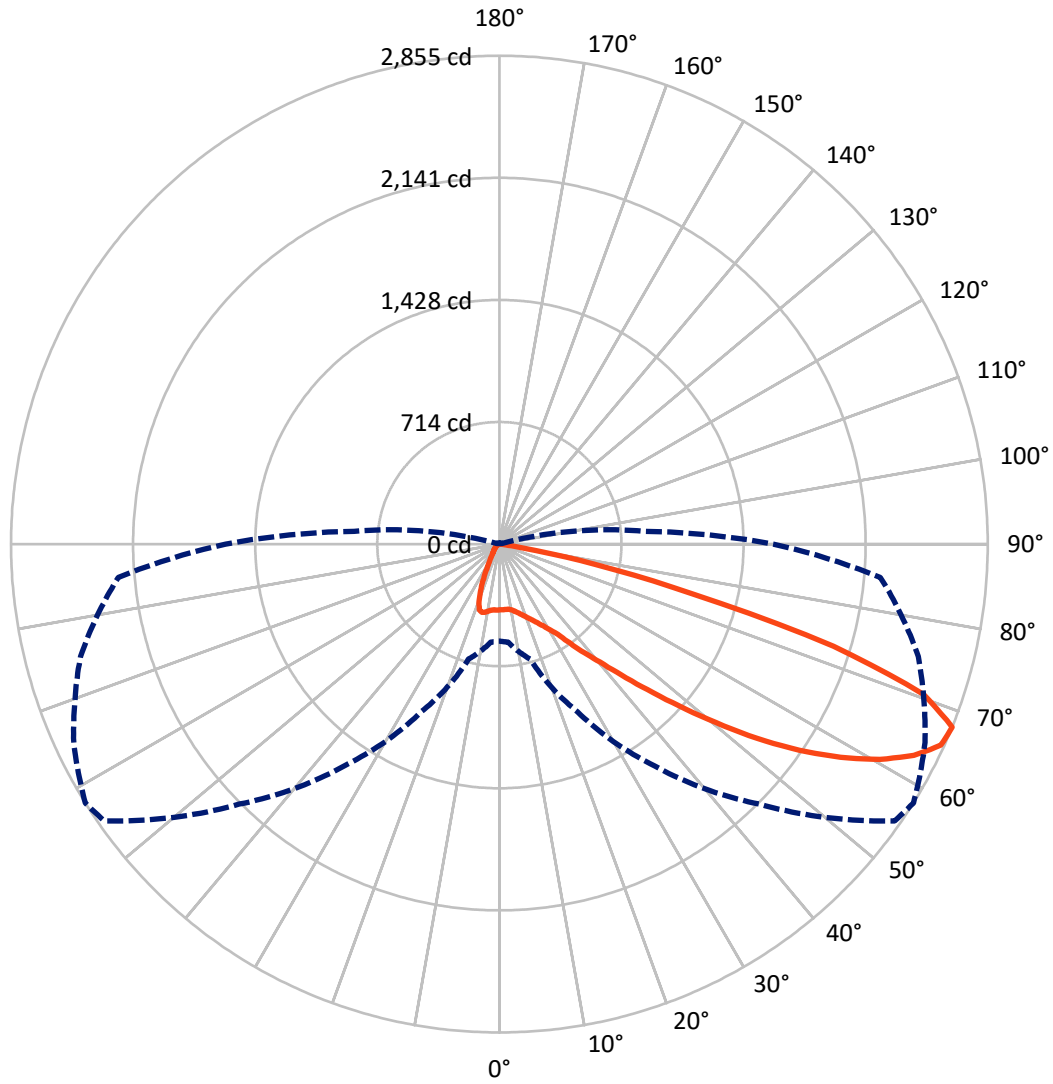
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.0	0.0	385.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3143.7	0.0	3143.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	3528.7	0.0	3528.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	1.0
10°-20°	101.4	2.9
20°-30°	177.0	5.0
30°-40°	316.1	9.0
40°-50°	577.9	16.4
50°-60°	961.0	27.2
60°-70°	1043.9	29.6
70°-80°	306.5	8.7
80°-90°	8.7	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°	3528.7	100.0
0°-180°	3528.7	100.0

Coefficient of Utilization



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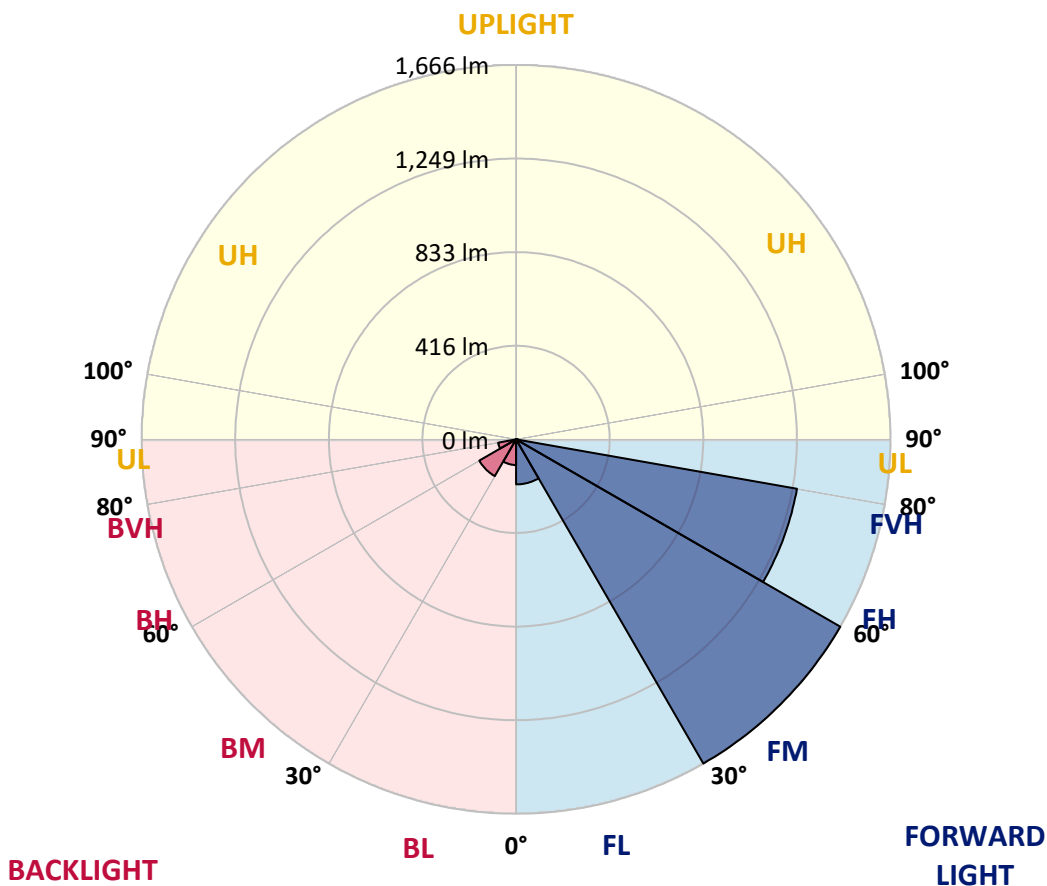
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.4	5.7			
FM (30°-60°)	1666.0	47.2			
FH (60°-80°)	1269.1	36.0			G1/1800
FVH (80°-90°)	8.3	0.2			G0/10
BL (0°-30°)	114.2	3.2	B1/500		
BM (30°-60°)	189.1	5.4	B0/220		
BH (60°-80°)	81.3	2.3	B0/110		G0/110
BVH (80°-90°)	0.4	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	384.5	384.5	384.5	384.5	384.5	384.5	384.5	384.5	384.5	384.5	384.5
2.5°	377.3	376.6	376.6	379.4	379.7	381.1	384.2	384.5	386.2	385.6	383.1
5°	357.6	358.0	360.1	364.9	369.0	374.2	381.8	383.5	387.3	389.3	388.0
7.5°	339.4	339.7	342.8	350.4	358.3	368.7	381.1	384.5	392.1	397.6	398.0
10°	332.5	332.2	335.3	343.9	354.2	368.7	386.6	391.1	402.4	412.1	413.8
12.5°	334.6	334.2	337.3	345.2	356.6	374.9	396.2	402.4	416.9	431.7	434.8
15°	342.8	342.5	344.6	351.1	363.5	382.5	408.6	417.9	436.2	454.1	458.9
17.5°	367.6	365.9	363.8	364.5	371.8	391.4	424.5	435.9	458.6	480.0	484.1
20°	411.7	407.3	401.8	394.5	391.1	404.5	442.8	455.8	483.4	507.9	508.6
22.5°	478.2	476.5	463.8	442.8	427.9	428.3	464.1	479.3	513.0	539.9	536.1
25°	570.9	569.9	550.3	515.8	477.2	464.1	491.3	506.8	548.2	576.8	564.7
27.5°	686.0	678.8	655.7	609.2	551.6	510.6	525.8	539.6	585.4	612.3	589.5
30°	786.3	786.6	764.9	716.3	651.6	580.6	567.8	579.9	619.5	647.8	620.2
32.5°	882.7	885.8	862.1	818.3	747.3	671.9	628.1	630.2	663.3	693.9	660.5
35°	972.3	974.7	958.2	921.0	854.8	767.3	712.2	711.2	729.1	760.4	716.7
37.5°	1072.6	1075.0	1058.8	1025.4	963.4	876.5	807.6	806.3	813.5	839.0	789.0
40°	1179.4	1183.9	1166.0	1137.7	1078.5	1005.1	918.6	906.2	898.9	928.9	882.7
42.5°	1287.6	1294.5	1288.3	1260.0	1209.4	1148.7	1062.6	1043.3	1027.8	1065.4	1016.4
45°	1422.0	1430.2	1427.5	1405.8	1366.5	1317.2	1235.9	1213.5	1206.3	1241.1	1182.9
47.5°	1551.2	1560.1	1570.1	1565.3	1537.4	1514.7	1424.4	1411.6	1409.6	1446.8	1356.5
50°	1647.3	1655.6	1693.8	1721.4	1740.3	1735.5	1657.3	1638.4	1635.3	1659.0	1539.8
52.5°	1716.2	1724.2	1776.9	1863.0	1932.6	1970.5	1891.6	1887.5	1870.6	1862.3	1711.4
55°	1769.6	1780.7	1836.1	1966.4	2106.6	2190.7	2141.4	2126.6	2083.2	2035.6	1870.6
57.5°	1780.3	1784.8	1863.0	2038.7	2241.7	2377.8	2377.8	2351.9	2268.2	2202.4	2054.6
60°	1684.5	1698.3	1804.1	2032.9	2299.6	2500.1	2573.8	2555.3	2442.9	2361.9	2231.7
62.5°	1471.9	1487.4	1616.3	1892.6	2241.7	2525.2	2722.3	2719.6	2592.1	2493.9	2378.5
65°	1128.8	1140.1	1252.5	1583.2	1997.0	2428.4	2828.4	2836.0	2709.9	2581.1	2429.1
67.5°	567.1	575.1	696.3	1081.6	1582.9	2149.7	2821.2	2855.0	2745.8	2534.9	2235.8
70°	198.1	206.0	263.2	464.1	963.4	1641.5	2577.3	2632.4	2535.2	2163.8	1649.4
72.5°	67.9	71.7	109.2	172.3	374.9	973.0	1959.8	2042.9	1868.9	1452.6	947.9
75°	38.6	41.0	58.6	93.4	157.1	320.1	1111.9	1162.9	1089.5	791.8	390.0
77.5°	26.2	28.3	36.5	53.1	86.8	103.0	453.4	570.9	497.9	258.4	99.6
80°	15.5	16.9	22.4	31.4	44.4	40.0	97.2	129.2	166.4	77.2	30.0
82.5°	7.2	8.3	14.5	20.7	22.4	16.9	28.6	34.8	46.9	37.9	12.4
85°	0.0	0.0	4.8	8.6	8.3	4.8	7.9	8.6	12.7	19.0	4.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	2.1	3.8	2.1
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°	384.5	384.5	384.5	384.5	384.5	384.5	384.5	384.5	384.5	384.5	384.5
2.5°	385.9	383.5	386.2	384.9	386.2	385.9	383.1	381.4	381.4	378.3	377.3
5°	390.7	388.3	389.0	385.9	385.2	383.5	380.0	378.7	378.7	375.6	374.5
7.5°	401.4	397.6	396.9	390.7	388.0	383.1	376.9	374.5	374.2	371.1	370.1
10°	418.3	413.8	410.7	402.8	394.9	385.2	372.1	361.1	354.9	346.6	345.9
12.5°	439.0	433.4	428.6	416.6	403.5	381.8	343.2	302.9	278.1	258.4	259.8
15°	462.0	456.9	449.3	431.0	404.2	347.7	267.0	205.0	174.7	158.5	157.8
17.5°	487.2	479.6	467.2	442.4	382.5	265.7	173.7	122.7	106.8	101.3	99.9
20°	510.6	501.3	485.8	444.8	319.7	179.9	108.5	95.1	92.3	90.6	90.6
22.5°	535.4	523.7	500.6	426.2	237.7	115.1	92.3	89.2	87.2	84.8	84.4
25°	560.6	545.4	514.1	377.6	155.7	90.6	86.5	83.0	79.2	75.5	74.4
27.5°	582.0	562.3	524.4	305.3	99.9	81.7	78.9	73.0	67.9	63.7	63.1
30°	607.4	582.3	528.9	223.3	78.6	72.0	67.9	61.7	55.5	51.3	50.0
32.5°	641.6	614.0	522.0	145.4	69.6	63.4	56.9	49.6	43.4	38.9	38.2
35°	694.6	661.9	490.3	92.7	63.1	54.8	46.9	39.3	34.1	30.7	30.0
37.5°	759.4	729.1	438.3	69.6	56.5	47.5	38.2	31.0	27.2	24.8	24.1
40°	855.5	813.1	373.8	61.0	50.0	40.3	31.4	25.5	22.7	20.7	20.0
42.5°	980.3	912.4	299.8	55.5	43.8	33.8	25.5	21.0	18.6	17.2	16.9
45°	1126.0	1009.2	221.5	50.0	37.9	27.9	21.0	17.2	15.5	14.5	14.1
47.5°	1275.2	1094.0	153.0	44.1	32.4	23.1	17.6	14.8	13.4	12.1	11.7
50°	1434.4	1165.6	104.4	38.2	27.6	19.0	15.2	13.4	11.7	10.7	10.3
52.5°	1551.2	1192.2	72.7	33.1	23.4	16.2	13.4	12.1	10.7	9.3	9.0
55°	1659.0	1191.5	55.1	27.9	20.0	14.1	12.1	10.7	9.3	8.3	7.9
57.5°	1766.5	1182.2	43.4	23.8	17.2	12.7	10.7	9.3	8.6	7.2	6.9
60°	1836.1	1147.0	33.8	20.0	14.8	11.0	9.3	8.3	7.2	6.2	5.9
62.5°	1873.0	1098.1	25.8	15.8	12.1	9.6	8.3	7.2	6.2	5.2	4.8
65°	1823.0	1011.3	20.3	12.4	9.3	8.3	6.9	5.9	4.8	3.8	3.4
67.5°	1601.5	852.8	15.8	10.0	7.2	6.2	5.9	4.8	3.4	2.8	2.4
70°	1131.9	584.0	12.4	7.6	5.5	4.8	4.5	3.8	2.8	2.1	1.7
72.5°	621.2	294.6	9.0	5.5	4.1	3.8	3.4	3.1	2.4	1.7	1.7
75°	239.1	81.0	6.5	3.8	2.8	2.8	2.4	2.4	2.1	1.4	1.4
77.5°	62.4	24.1	4.1	2.4	1.7	1.7	1.7	1.4	1.4	1.0	1.0
80°	20.0	7.9	2.4	1.7	1.4	1.0	1.0	0.7	1.0	0.7	0.7
82.5°	6.5	2.8	1.4	1.4	1.0	0.7	0.7	0.3	0.3	0.0	0.0
85°	2.4	1.4	1.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	0.7	0.7	0.7	0.3	0.0	0.0	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)