

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: P631126

Luminaire Tested: GWS-SA1F-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 3832.1 lumens
Efficiency: N/A
Efficacy: 57.0 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

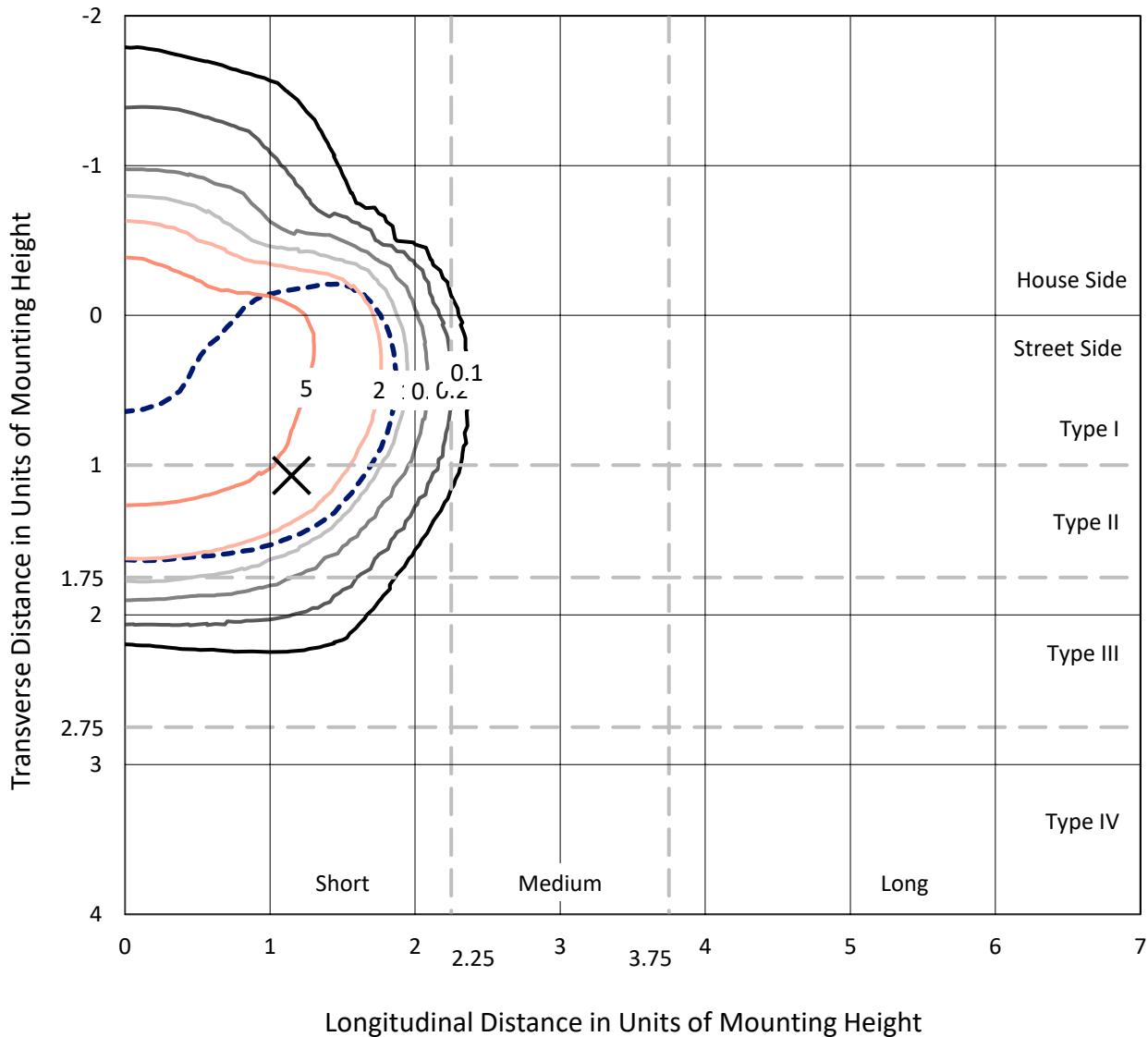
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

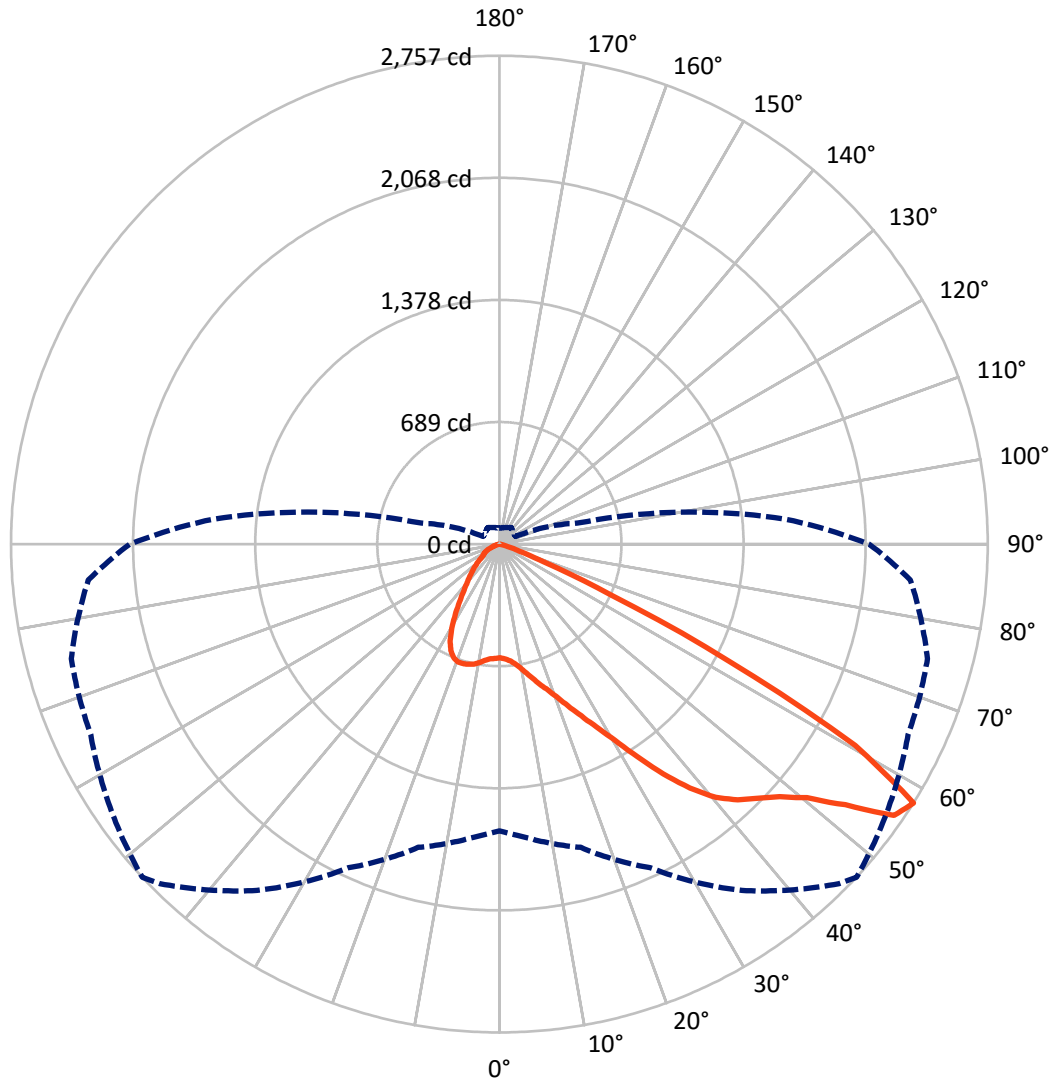
✕ Max cd
 - - - 1/2 Max cd



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 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	831.4	0.0	831.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3000.7	0.0	3000.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	3832.1	0.0	3832.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	1.7
10°-20°	215.3	5.6
20°-30°	399.8	10.4
30°-40°	640.1	16.7
40°-50°	935.7	24.4
50°-60°	1154.8	30.1
60°-70°	385.9	10.1
70°-80°	36.0	0.9
80°-90°	0.7	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°	3832.1	100.0
0°-180°	3832.1	100.0

Coefficient of Utilization



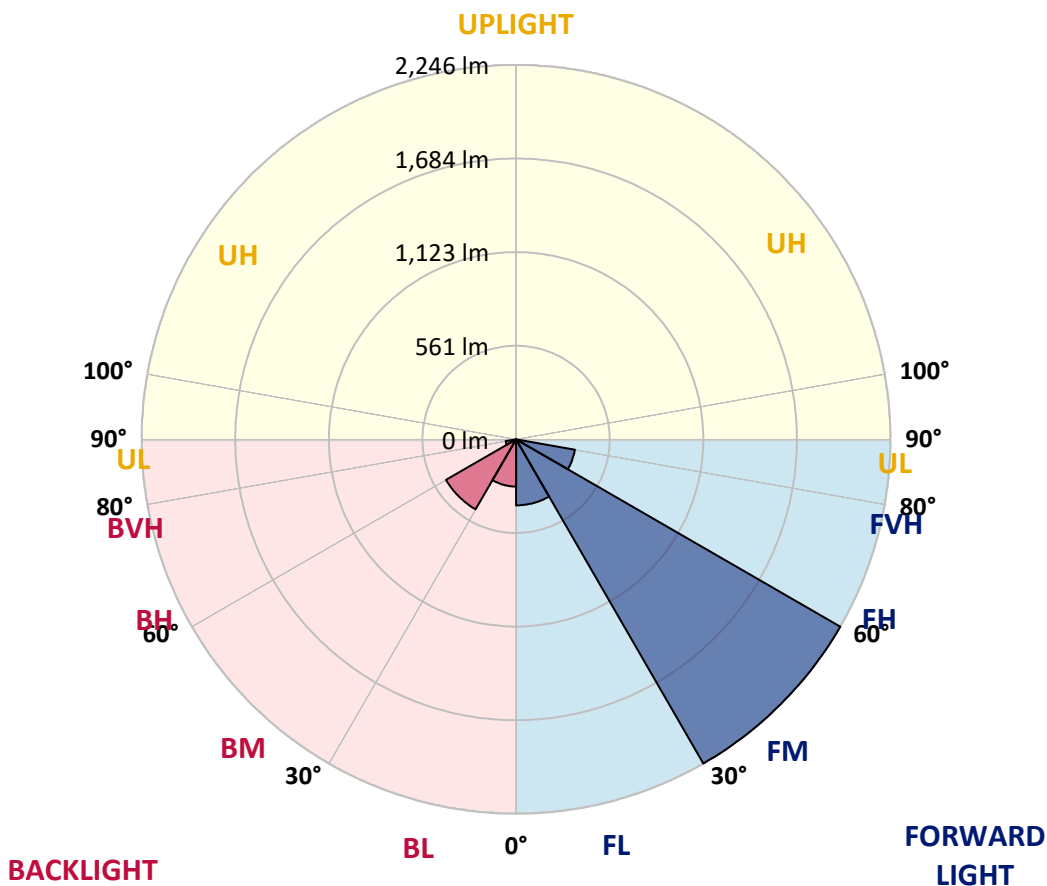
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	396.0	10.3			
FM (30°-60°)	2245.6	58.6			
FH (60°-80°)	358.6	9.4			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	283.0	7.4	B1/500		
BM (30°-60°)	484.9	12.7	B1/1000		
BH (60°-80°)	63.2	1.6	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°	45°	47°	55°	65°	75°	85°
0°	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5
2.5°	648.2	647.7	647.3	650.0	649.1	648.6	649.5	649.5	649.5	646.8	641.5
5°	663.7	663.7	663.3	666.0	663.7	662.4	662.9	662.9	661.1	656.2	649.5
7.5°	688.2	687.3	686.4	689.1	686.9	686.4	687.3	684.6	681.5	673.5	664.2
10°	723.4	723.4	722.0	724.7	722.9	722.0	722.0	720.2	714.5	702.0	688.2
12.5°	771.8	769.6	766.5	764.3	763.4	762.9	763.4	760.7	754.5	738.5	719.3
15°	824.8	823.0	818.1	814.6	809.7	808.8	811.4	809.2	803.0	781.2	754.0
17.5°	891.5	893.7	881.3	873.7	859.5	858.6	859.5	863.0	858.6	830.6	791.0
20°	948.5	950.2	940.9	935.6	922.7	916.9	918.6	924.4	919.5	886.6	831.5
22.5°	1009.4	1011.6	1001.8	990.7	984.9	984.9	991.6	999.6	992.9	949.8	877.7
25°	1082.4	1084.1	1076.1	1061.5	1051.2	1064.1	1073.9	1095.3	1084.1	1025.4	932.4
27.5°	1166.0	1166.4	1154.9	1139.7	1134.4	1158.4	1168.2	1201.1	1196.7	1110.4	990.3
30°	1255.4	1255.9	1253.2	1243.0	1238.1	1269.6	1283.0	1330.6	1327.5	1215.8	1069.0
32.5°	1348.4	1348.4	1353.3	1352.4	1358.2	1409.8	1431.1	1485.4	1482.3	1344.8	1166.9
35°	1441.8	1442.3	1450.7	1472.1	1496.1	1564.6	1592.6	1658.5	1651.3	1499.2	1291.9
37.5°	1548.1	1543.7	1555.3	1587.3	1640.7	1719.9	1746.5	1809.3	1801.3	1657.1	1455.2
40°	1676.3	1668.2	1668.2	1705.6	1766.1	1857.3	1880.0	1911.1	1884.0	1784.8	1615.3
42.5°	1817.7	1810.2	1800.4	1833.3	1884.0	1955.2	1973.9	1965.4	1943.2	1905.4	1797.7
45°	1961.0	1949.4	1956.1	1976.1	2005.5	2039.3	2046.4	2007.2	1997.0	2007.7	1948.5
47.5°	2070.0	2062.0	2078.4	2106.4	2130.5	2135.4	2130.5	2076.2	2075.3	2113.1	2053.1
50°	2106.4	2107.3	2152.7	2214.1	2252.8	2256.8	2250.1	2187.9	2179.4	2190.5	2109.6
52.5°	2110.0	2113.6	2179.8	2296.8	2402.3	2450.3	2445.0	2377.8	2295.1	2283.1	2195.0
55°	2024.1	2045.1	2137.6	2308.4	2532.6	2686.1	2703.9	2575.3	2452.5	2442.3	2378.7
57.5°	1618.0	1660.7	1772.3	2015.7	2387.2	2710.6	2756.8	2664.3	2545.5	2501.9	2329.3
60°	967.1	1020.1	1127.3	1425.8	1816.8	2227.9	2307.5	2320.4	2265.7	2139.8	1787.0
62.5°	415.1	410.6	542.7	771.4	1080.6	1416.0	1452.0	1508.1	1555.7	1424.0	1084.6
65°	142.4	154.8	215.3	347.9	541.0	657.5	689.5	739.8	807.4	666.4	397.3
67.5°	88.1	93.4	124.1	205.5	291.8	287.4	273.1	265.1	258.0	176.6	109.0
70°	64.1	68.5	87.2	141.5	196.2	137.9	119.7	97.0	107.7	99.2	77.4
72.5°	43.2	46.7	60.1	85.9	100.5	67.2	62.3	70.7	85.4	81.4	63.2
75°	25.8	28.0	34.3	41.8	40.9	34.7	35.1	49.8	65.4	60.9	44.9
77.5°	17.8	18.7	22.7	27.1	20.0	10.7	9.8	13.8	22.2	22.2	15.1
80°	4.4	5.8	5.8	3.6	3.1	2.7	2.7	4.0	6.2	4.4	2.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
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°	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5	641.5
2.5°	644.6	639.3	642.8	641.9	644.6	645.5	641.5	640.6	641.1	635.7	633.9
5°	650.8	644.6	646.4	644.6	647.7	650.4	649.1	650.8	653.1	649.1	647.3
7.5°	664.2	658.0	657.5	654.8	659.3	661.1	660.6	665.5	670.0	667.3	664.6
10°	687.3	678.9	678.0	675.8	677.1	678.4	673.5	674.4	678.4	675.3	674.0
12.5°	715.8	705.6	703.3	698.0	698.0	691.3	680.6	678.4	681.5	679.3	677.1
15°	746.5	732.7	729.1	719.8	710.9	698.4	687.3	684.6	686.9	684.2	682.4
17.5°	780.7	765.2	753.6	737.1	717.6	702.9	690.4	684.6	681.1	675.8	675.3
20°	814.6	794.1	774.5	748.3	722.5	700.2	679.8	664.6	651.7	643.7	640.6
22.5°	853.7	823.4	791.9	754.9	718.0	684.2	648.2	622.4	600.1	592.6	589.0
25°	895.5	856.4	809.2	761.2	702.9	648.6	599.7	561.4	532.1	522.3	518.3
27.5°	941.8	888.0	827.0	759.8	671.7	597.9	533.0	485.3	456.4	447.5	450.6
30°	1000.5	928.9	849.3	746.0	625.0	526.7	450.6	410.6	388.8	380.4	380.8
32.5°	1078.8	987.6	881.7	716.7	565.0	445.8	379.0	349.7	335.0	323.9	323.0
35°	1190.9	1077.0	912.0	669.5	492.0	373.7	325.2	302.1	281.6	268.7	270.9
37.5°	1325.3	1189.6	928.4	605.9	410.2	317.6	284.7	261.1	238.0	218.9	221.1
40°	1484.5	1336.8	927.1	522.3	335.4	279.4	250.9	223.3	194.4	177.1	178.8
42.5°	1662.0	1476.1	898.2	433.7	278.0	248.2	218.4	183.7	155.7	145.0	145.5
45°	1815.9	1589.1	847.5	342.1	234.0	218.0	184.6	149.0	136.6	129.0	128.6
47.5°	1929.8	1671.8	775.0	269.1	198.4	190.4	151.7	133.5	123.7	117.4	116.6
50°	1993.4	1700.7	694.9	210.9	167.7	161.5	135.7	121.0	114.3	110.3	109.4
52.5°	2078.9	1735.4	637.5	166.4	140.6	132.1	125.0	112.6	108.1	105.0	103.7
55°	2214.1	1802.6	587.7	132.1	117.0	115.2	117.9	107.7	105.0	100.1	98.3
57.5°	2086.9	1619.3	456.4	102.3	98.8	105.4	113.9	102.8	96.1	91.6	89.9
60°	1468.5	1076.6	229.6	82.3	88.1	98.8	107.2	93.0	86.3	87.2	86.3
62.5°	809.7	538.7	103.2	69.0	76.5	87.2	91.6	80.5	76.1	83.6	85.0
65°	264.7	183.3	59.6	53.4	60.5	71.2	79.2	76.5	75.6	84.5	87.2
67.5°	81.4	60.5	40.5	38.3	41.8	52.5	66.7	82.7	89.0	91.6	93.0
70°	60.9	47.6	34.7	32.5	34.3	40.0	56.5	69.0	65.0	65.4	64.5
72.5°	48.9	37.8	29.8	28.5	28.5	27.6	29.8	37.4	42.3	44.5	44.5
75°	34.3	26.7	22.7	20.9	16.5	13.3	12.0	12.0	10.7	10.2	9.8
77.5°	11.6	9.8	8.9	7.1	4.9	4.0	3.6	3.1	2.2	1.3	0.9
80°	1.8	1.3	0.9	0.9	0.9	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.4	0.4	0.4	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)