

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: P630301

Luminaire Tested: GWS-SA1D-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630301
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-SA1D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3693.1 lumens
Efficiency: N/A
Efficacy: 83.4 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

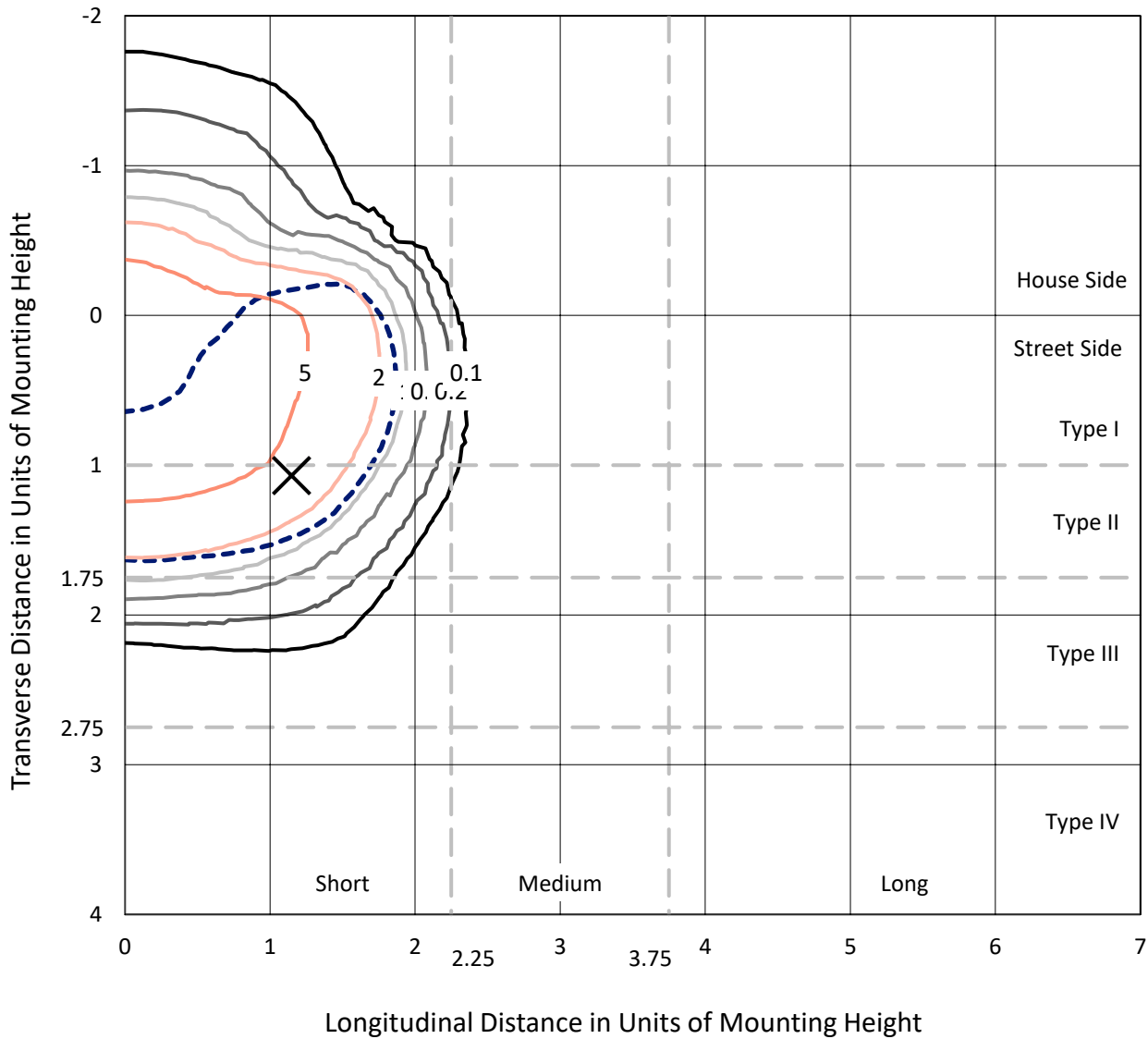
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

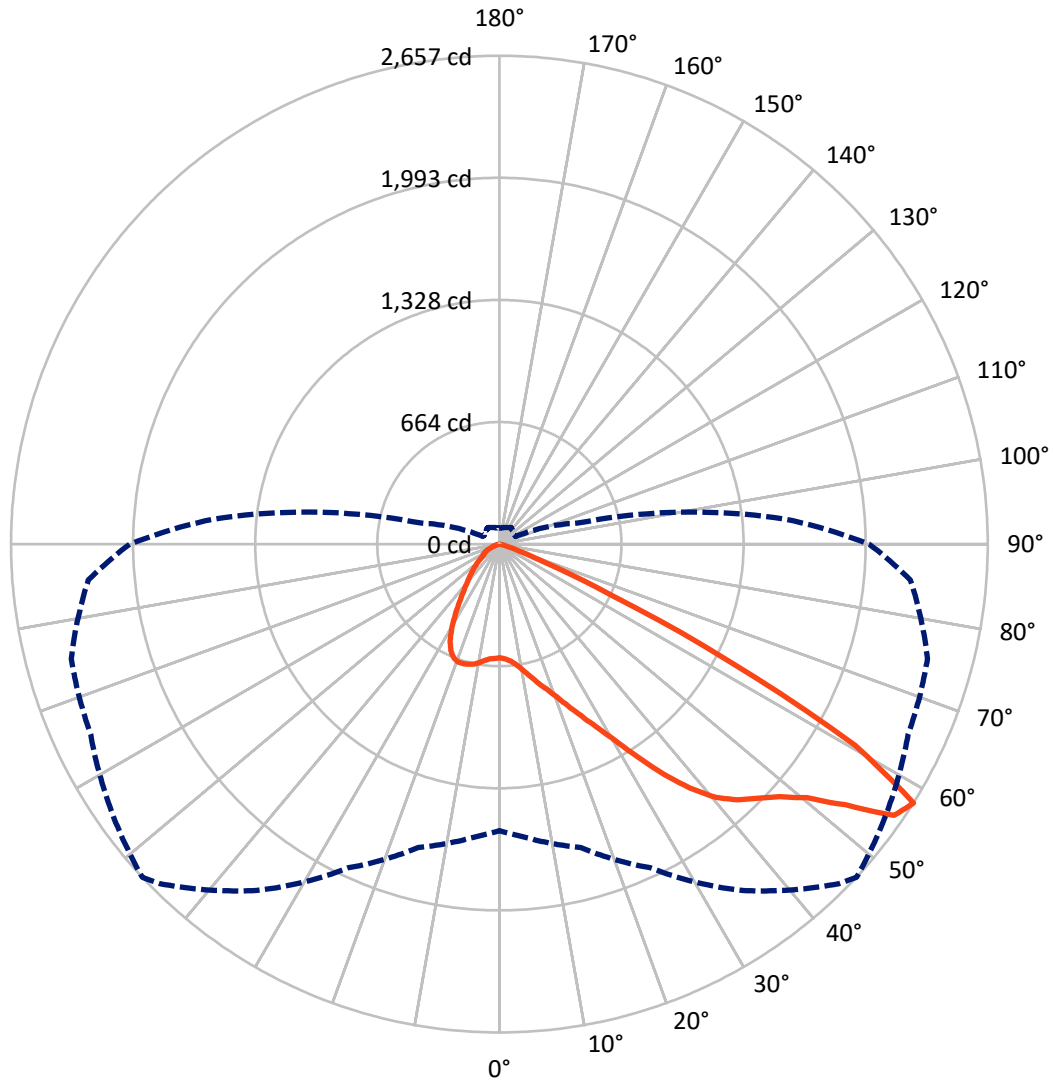
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 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	801.2	0.0	801.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2891.9	0.0	2891.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	3693.1	0.0	3693.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.7
10°-20°	207.5	5.6
20°-30°	385.3	10.4
30°-40°	616.9	16.7
40°-50°	901.7	24.4
50°-60°	1112.9	30.1
60°-70°	371.9	10.1
70°-80°	34.6	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°	3693.1	100.0
0°-180°	3693.1	100.0

Coefficient of Utilization

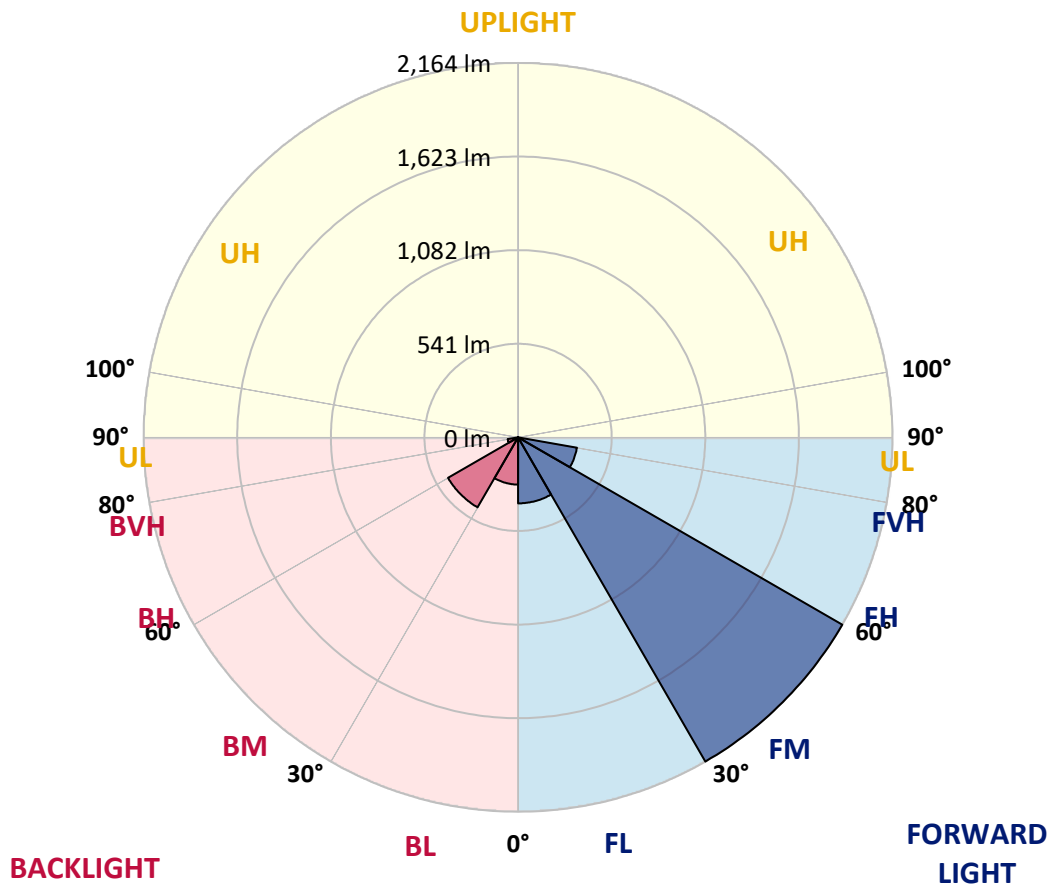


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.7	10.3			
FM (30°-60°)	2164.1	58.6			
FH (60°-80°)	345.6	9.4			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	272.7	7.4	B1/500		
BM (30°-60°)	467.4	12.7	B1/1000		
BH (60°-80°)	60.9	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°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	624.7	624.2	623.8	626.4	625.5	625.1	625.9	625.9	625.9	623.4	618.2
5°	639.7	639.7	639.2	641.8	639.7	638.4	638.8	638.8	637.1	632.4	625.9
7.5°	663.2	662.4	661.5	664.1	662.0	661.5	662.4	659.8	656.8	649.1	640.1
10°	697.1	697.1	695.8	698.4	696.7	695.8	695.8	694.1	688.5	676.5	663.2
12.5°	743.8	741.7	738.7	736.6	735.7	735.3	735.7	733.1	727.1	711.7	693.3
15°	794.9	793.2	788.4	785.0	780.3	779.4	782.0	779.9	773.9	752.9	726.7
17.5°	859.2	861.3	849.3	842.0	828.3	827.4	828.3	831.7	827.4	800.4	762.3
20°	914.1	915.8	906.8	901.6	889.2	883.6	885.3	890.9	886.2	854.5	801.3
22.5°	972.8	974.9	965.5	954.8	949.2	949.2	955.6	963.4	956.9	915.3	845.9
25°	1043.1	1044.8	1037.1	1023.0	1013.1	1025.5	1035.0	1055.5	1044.8	988.2	898.6
27.5°	1123.7	1124.1	1113.0	1098.4	1093.3	1116.4	1125.8	1157.6	1153.3	1070.1	954.4
30°	1209.9	1210.3	1207.7	1197.9	1193.2	1223.6	1236.5	1282.3	1279.3	1171.7	1030.2
32.5°	1299.5	1299.5	1304.2	1303.3	1308.9	1358.6	1379.2	1431.5	1428.5	1296.1	1124.6
35°	1389.5	1389.9	1398.1	1418.7	1441.8	1507.8	1534.9	1598.3	1591.4	1444.8	1245.0
37.5°	1492.0	1487.7	1498.8	1529.7	1581.2	1657.5	1683.2	1743.6	1735.9	1597.0	1402.4
40°	1615.5	1607.7	1607.7	1643.8	1702.1	1789.9	1811.8	1841.8	1815.7	1720.1	1556.7
42.5°	1751.8	1744.5	1735.1	1766.8	1815.7	1884.3	1902.3	1894.1	1872.7	1836.3	1732.5
45°	1889.8	1878.7	1885.1	1904.4	1932.7	1965.3	1972.2	1934.4	1924.6	1934.9	1877.8
47.5°	1994.9	1987.2	2003.0	2030.0	2053.2	2057.9	2053.2	2000.9	2000.0	2036.5	1978.6
50°	2030.0	2030.9	2074.6	2133.8	2171.1	2174.9	2168.5	2108.5	2100.3	2111.1	2033.0
52.5°	2033.5	2036.9	2100.8	2213.5	2315.1	2361.4	2356.3	2291.6	2211.8	2200.2	2115.4
55°	1950.7	1970.9	2060.0	2224.7	2440.8	2588.7	2605.8	2481.9	2363.6	2353.7	2292.4
57.5°	1559.3	1600.4	1708.1	1942.6	2300.6	2612.3	2656.8	2567.7	2453.2	2411.2	2244.8
60°	932.1	983.1	1086.4	1374.1	1750.9	2147.1	2223.8	2236.3	2183.5	2062.2	1722.2
62.5°	400.0	395.7	523.1	743.4	1041.4	1364.6	1399.4	1453.4	1499.3	1372.4	1045.2
65°	137.2	149.2	207.5	335.3	521.3	633.7	664.5	713.0	778.1	642.2	382.9
67.5°	84.9	90.0	119.6	198.1	281.2	277.0	263.2	255.5	248.7	170.2	105.0
70°	61.7	66.0	84.0	136.3	189.1	132.9	115.3	93.5	103.8	95.6	74.6
72.5°	41.6	45.0	57.9	82.7	96.9	64.7	60.0	68.2	82.3	78.5	60.9
75°	24.9	27.0	33.0	40.3	39.4	33.4	33.9	48.0	63.0	58.7	43.3
77.5°	17.1	18.0	21.9	26.2	19.3	10.3	9.4	13.3	21.4	21.4	14.6
80°	4.3	5.6	5.6	3.4	3.0	2.6	2.6	3.9	6.0	4.3	2.1
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°	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2	618.2
2.5°	621.2	616.1	619.5	618.7	621.2	622.1	618.2	617.4	617.8	612.7	610.9
5°	627.2	621.2	622.9	621.2	624.2	626.8	625.5	627.2	629.4	625.5	623.8
7.5°	640.1	634.1	633.7	631.1	635.4	637.1	636.7	641.4	645.7	643.1	640.5
10°	662.4	654.2	653.4	651.2	652.5	653.8	649.1	650.0	653.8	650.8	649.5
12.5°	689.8	680.0	677.8	672.7	672.7	666.2	656.0	653.8	656.8	654.7	652.5
15°	719.4	706.1	702.7	693.7	685.1	673.1	662.4	659.8	662.0	659.4	657.7
17.5°	752.4	737.4	726.3	710.4	691.5	677.4	665.4	659.8	656.4	651.2	650.8
20°	785.0	765.3	746.4	721.1	696.3	674.8	655.1	640.5	628.1	620.4	617.4
22.5°	822.7	793.6	763.1	727.6	692.0	659.4	624.7	599.8	578.4	571.1	567.6
25°	863.0	825.3	779.9	733.6	677.4	625.1	577.9	541.1	512.8	503.3	499.5
27.5°	907.6	855.7	797.0	732.3	647.4	576.2	513.6	467.7	439.9	431.3	434.3
30°	964.2	895.2	818.4	719.0	602.4	507.6	434.3	395.7	374.7	366.6	367.0
32.5°	1039.7	951.8	849.7	690.7	544.5	429.6	365.3	337.0	322.8	312.1	311.3
35°	1147.7	1038.0	878.9	645.2	474.2	360.1	313.4	291.1	271.4	259.0	261.1
37.5°	1277.2	1146.4	894.8	583.9	395.3	306.1	274.4	251.7	229.4	210.9	213.1
40°	1430.7	1288.3	893.5	503.3	323.3	269.2	241.8	215.2	187.4	170.6	172.3
42.5°	1601.7	1422.5	865.6	418.0	268.0	239.2	210.5	177.1	150.1	139.8	140.2
45°	1750.1	1531.4	816.7	329.7	225.5	210.1	177.9	143.6	131.6	124.3	123.9
47.5°	1859.8	1611.2	746.8	259.4	191.2	183.5	146.2	128.6	119.2	113.2	112.3
50°	1921.1	1639.0	669.7	203.2	161.6	155.6	130.8	116.6	110.2	106.3	105.5
52.5°	2003.5	1672.5	614.4	160.3	135.5	127.3	120.5	108.5	104.2	101.2	99.9
55°	2133.8	1737.2	566.4	127.3	112.8	111.0	113.6	103.8	101.2	96.5	94.7
57.5°	2011.2	1560.6	439.9	98.6	95.2	101.6	109.8	99.0	92.6	88.3	86.6
60°	1415.2	1037.5	221.2	79.3	84.9	95.2	103.3	89.6	83.2	84.0	83.2
62.5°	780.3	519.2	99.5	66.5	73.7	84.0	88.3	77.6	73.3	80.6	81.9
65°	255.1	176.6	57.4	51.4	58.3	68.6	76.3	73.7	72.9	81.5	84.0
67.5°	78.5	58.3	39.0	36.9	40.3	50.6	64.3	79.7	85.7	88.3	89.6
70°	58.7	45.9	33.4	31.3	33.0	38.6	54.4	66.5	62.6	63.0	62.2
72.5°	47.2	36.4	28.7	27.4	27.4	26.6	28.7	36.0	40.7	42.9	42.9
75°	33.0	25.7	21.9	20.2	15.9	12.9	11.6	11.6	10.3	9.9	9.4
77.5°	11.1	9.4	8.6	6.9	4.7	3.9	3.4	3.0	2.1	1.3	0.9
80°	1.7	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)