

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: P630462

Luminaire Tested: GWS-SA1D-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4101 lumens
Efficiency: N/A
Efficacy: 92.6 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

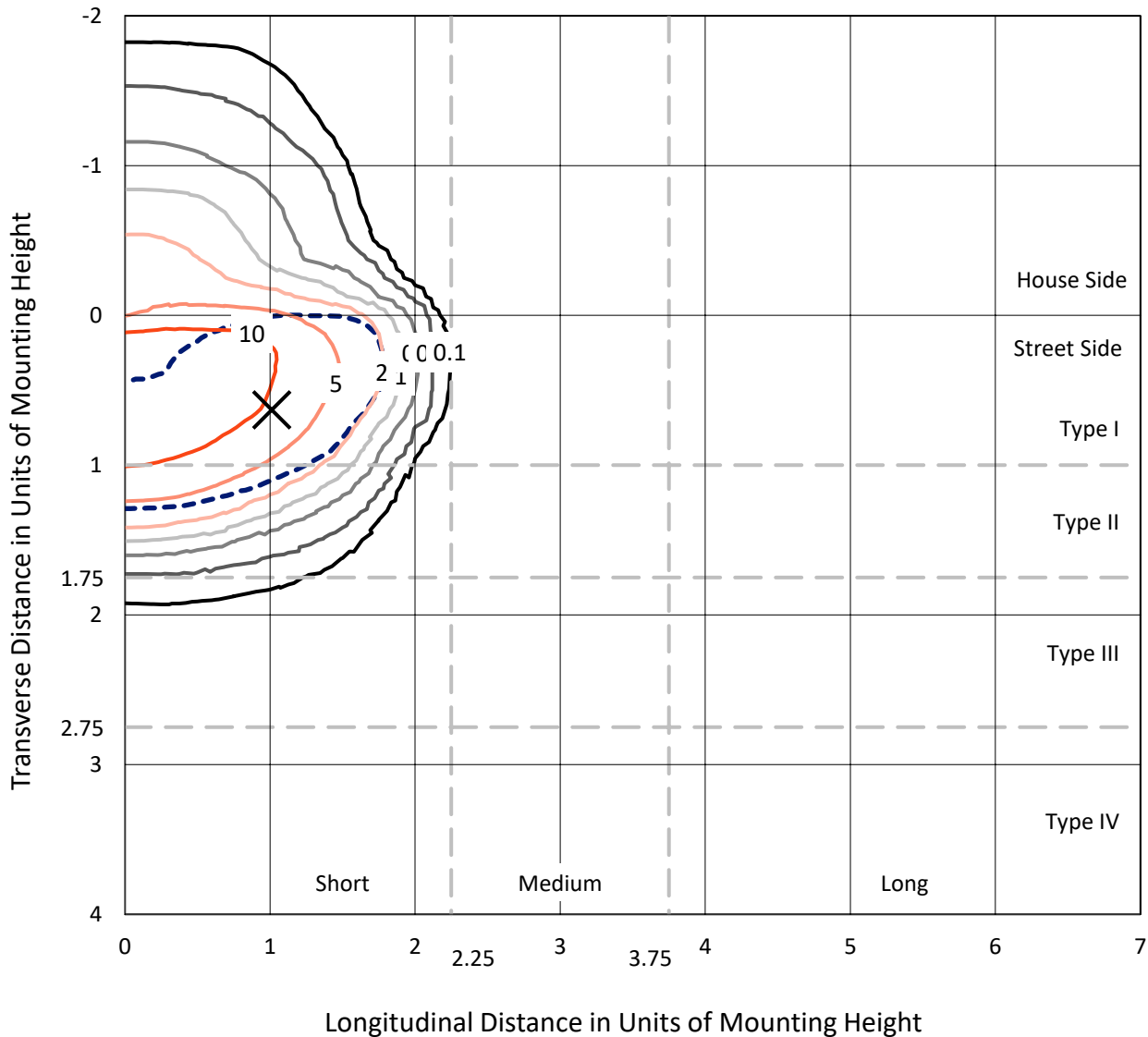
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

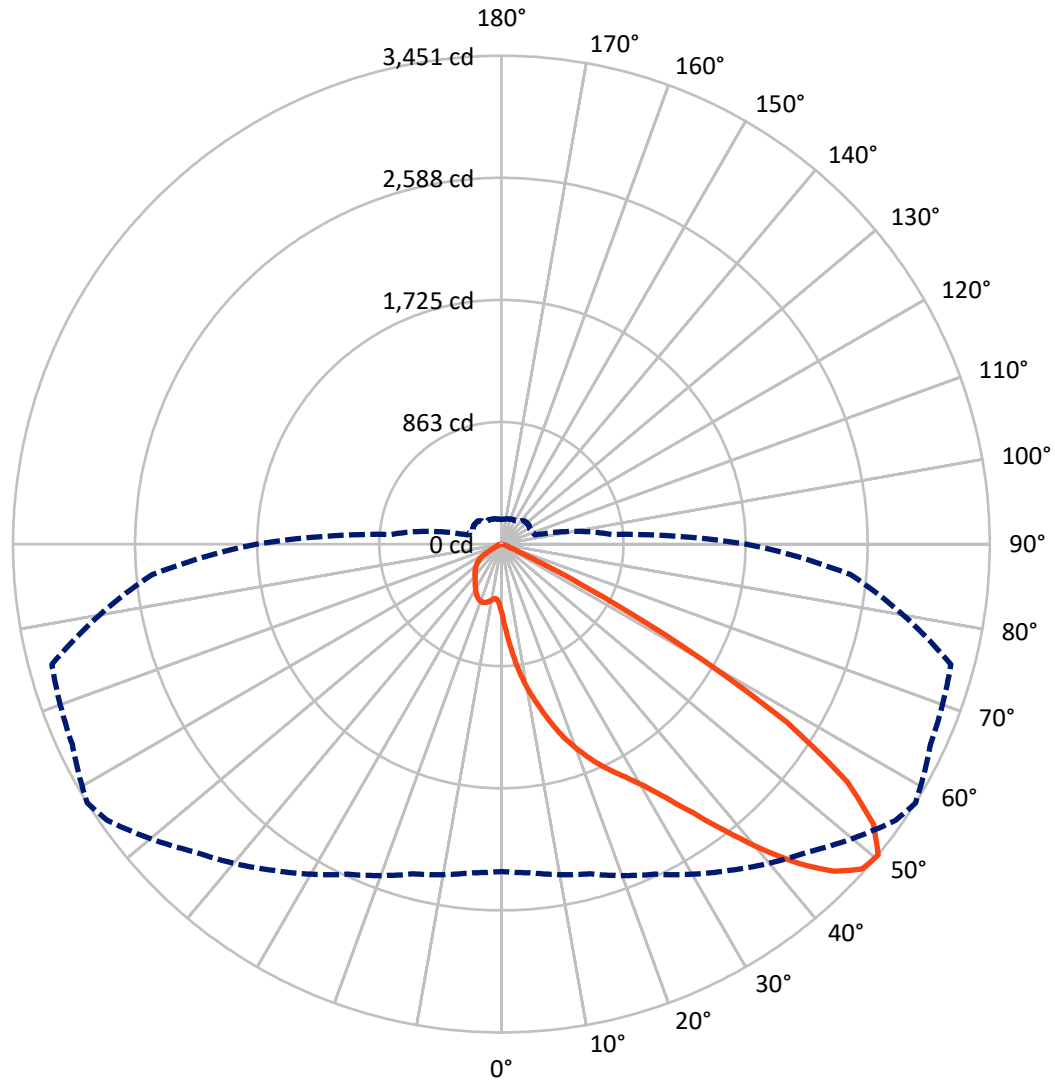
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.4	0.0	574.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	3526.6	0.0	3526.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	4101.0	0.0	4101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	1.5
10°-20°	240.2	5.9
20°-30°	486.1	11.9
30°-40°	860.0	21.0
40°-50°	1253.7	30.6
50°-60°	1004.9	24.5
60°-70°	181.0	4.4
70°-80°	14.3	0.3
80°-90°	0.0	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°	4101.0	100.0
0°-180°	4101.0	100.0

Coefficient of Utilization



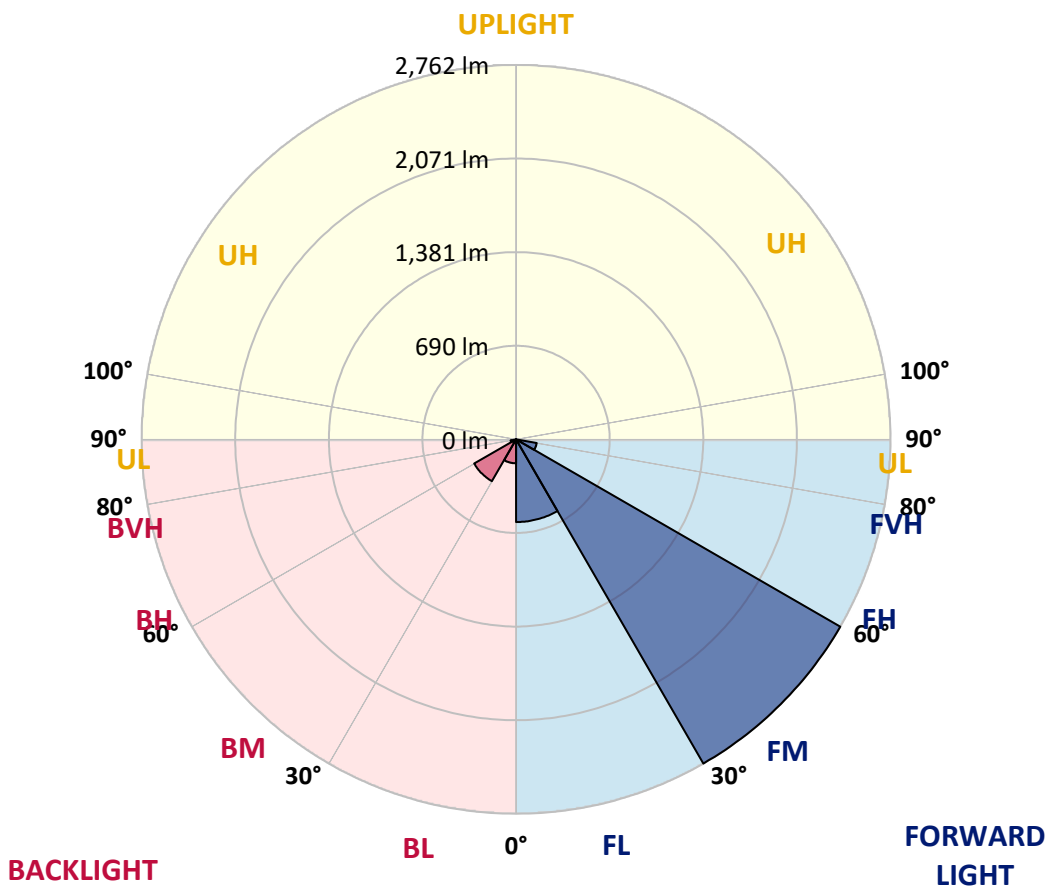
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	610.2	14.9			
FM (30°-60°)	2761.9	67.3			
FH (60°-80°)	154.5	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	176.8	4.3	B1/500		
BM (30°-60°)	356.7	8.7	B1/1000		
BH (60°-80°)	40.8	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	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°	55°	58°	65°	75°	85°
0°	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9
2.5°	724.9	713.5	706.9	701.7	678.4	641.6	617.5	604.8	583.7	548.2	517.5
5°	945.9	937.6	922.3	911.7	881.9	829.7	775.8	754.3	706.5	626.2	554.3
7.5°	1092.4	1086.3	1080.6	1066.5	1038.5	991.1	931.5	909.1	835.4	721.4	603.4
10°	1205.1	1200.3	1193.7	1193.3	1171.4	1128.8	1070.5	1047.3	967.4	824.9	661.3
12.5°	1304.2	1300.3	1299.0	1311.3	1297.2	1265.6	1202.5	1173.6	1088.9	930.6	725.4
15°	1372.2	1371.3	1377.0	1401.2	1409.1	1394.6	1341.5	1310.4	1213.0	1036.7	796.0
17.5°	1403.4	1406.0	1416.9	1458.6	1493.7	1506.0	1465.2	1438.9	1336.3	1144.2	871.4
20°	1456.4	1455.5	1462.1	1501.6	1544.6	1588.4	1576.1	1553.8	1460.8	1257.8	955.2
22.5°	1606.0	1593.2	1579.2	1585.3	1600.7	1652.0	1674.8	1663.4	1589.3	1374.4	1041.5
25°	1835.8	1822.6	1777.4	1733.6	1704.6	1727.9	1759.0	1764.7	1716.9	1494.1	1131.9
27.5°	2079.6	2067.8	2016.9	1951.1	1868.2	1827.9	1851.1	1862.5	1842.3	1636.7	1227.9
30°	2308.1	2292.3	2236.6	2155.0	2059.0	1997.1	1970.8	1978.7	1990.6	1805.5	1340.6
32.5°	2506.3	2494.5	2427.8	2341.8	2249.3	2184.8	2123.4	2136.6	2165.5	2012.1	1484.9
35°	2674.3	2668.1	2597.5	2512.0	2414.2	2381.3	2328.7	2331.3	2360.3	2261.6	1660.8
37.5°	2820.3	2809.8	2745.7	2666.4	2588.7	2583.5	2569.0	2570.3	2585.2	2552.3	1862.9
40°	2912.4	2902.7	2857.1	2808.0	2752.8	2753.6	2828.6	2834.3	2817.2	2837.8	2076.5
42.5°	2947.0	2940.0	2915.5	2915.9	2910.2	2936.1	3076.8	3087.4	3026.0	3061.9	2259.0
45°	2887.0	2883.9	2885.6	2948.8	3017.2	3097.0	3279.9	3298.3	3211.5	3210.6	2401.5
47.5°	2693.1	2687.0	2738.3	2845.7	3004.0	3159.3	3402.7	3431.2	3341.3	3295.7	2490.9
50°	2313.3	2330.9	2412.0	2573.4	2814.2	3073.8	3401.4	3450.9	3346.1	3288.2	2476.0
52.5°	1675.7	1672.2	1849.8	2071.7	2364.6	2800.1	3220.7	3293.1	3229.0	3215.0	2442.7
55°	911.7	943.8	1063.5	1357.3	1723.1	2282.2	2808.0	2965.9	3040.0	3188.2	2502.8
57.5°	335.1	349.1	424.1	631.9	912.2	1419.1	2144.9	2383.1	2612.0	3113.7	2492.7
60°	135.1	137.7	167.5	232.4	383.3	722.3	1286.7	1498.1	1713.8	2383.5	1912.9
62.5°	98.2	101.7	113.6	135.9	193.8	315.8	554.8	645.1	705.2	1180.6	942.4
65°	79.4	82.0	91.7	101.7	128.1	169.7	178.9	172.3	171.5	305.2	216.2
67.5°	65.8	68.4	75.4	82.4	92.1	84.6	61.4	64.5	52.6	52.2	42.5
70°	48.2	51.3	58.3	65.8	55.3	22.8	35.5	52.6	39.9	33.3	32.5
72.5°	36.4	38.6	45.2	43.0	16.2	8.8	23.7	38.2	30.7	24.6	24.1
75°	27.2	28.5	22.8	7.0	1.8	2.2	8.8	15.8	17.1	14.0	14.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.3	1.8	2.2	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9	489.9
2.5°	499.9	481.5	455.2	433.3	416.6	400.4	388.1	375.8	375.4	369.3	367.9
5°	521.0	487.7	439.4	404.8	383.7	371.0	362.2	357.9	355.7	353.5	352.6
7.5°	551.3	503.5	436.8	400.0	382.4	374.1	367.9	365.3	364.0	362.2	361.8
10°	588.5	526.3	446.4	409.2	393.8	385.9	379.3	375.4	373.2	370.1	369.3
12.5°	633.3	554.3	461.8	424.5	408.3	397.8	389.0	383.3	380.2	376.3	375.4
15°	681.5	584.6	478.9	438.5	419.3	405.7	394.7	385.9	380.2	375.4	374.1
17.5°	731.5	615.3	494.2	448.2	424.5	408.3	392.5	380.7	373.6	367.5	365.7
20°	787.6	646.9	504.3	449.9	422.8	401.3	382.9	367.9	360.9	352.6	350.8
22.5°	846.4	676.2	508.7	446.0	413.1	388.1	368.4	353.0	342.9	334.2	331.5
25°	903.4	702.6	506.5	435.0	398.6	369.7	349.5	333.7	322.8	314.0	311.8
27.5°	963.9	724.5	498.6	418.8	378.9	349.5	330.2	316.6	306.5	296.9	294.7
30°	1031.9	744.7	485.9	399.1	355.7	328.9	314.0	304.8	293.8	283.7	280.7
32.5°	1113.9	762.6	467.5	375.4	335.1	310.9	302.6	295.6	282.9	272.3	270.1
35°	1207.8	777.5	444.2	350.8	314.9	299.5	297.8	288.6	271.9	259.6	257.0
37.5°	1316.5	792.0	416.6	326.7	300.0	294.3	294.7	278.9	258.7	243.8	242.1
40°	1433.6	806.5	385.9	305.7	286.4	291.2	287.2	264.9	232.0	217.5	215.8
42.5°	1555.5	822.3	354.8	285.9	275.0	279.4	273.7	236.8	213.1	205.7	204.8
45°	1665.6	841.1	321.0	266.2	263.6	262.3	252.6	214.4	204.4	199.1	198.7
47.5°	1745.0	838.1	285.1	247.3	251.3	246.9	217.5	203.9	195.6	188.6	186.8
50°	1730.5	784.6	247.8	226.3	235.5	231.6	195.6	191.6	184.2	176.7	174.1
52.5°	1693.7	711.8	215.3	203.9	218.4	209.2	180.7	176.7	170.2	160.5	157.4
55°	1713.4	643.3	189.9	185.9	200.9	173.2	164.0	157.9	150.9	140.3	139.0
57.5°	1649.8	524.9	152.6	155.2	177.6	147.8	143.8	134.2	122.4	115.3	114.5
60°	1142.0	282.0	95.6	98.7	128.5	124.1	128.9	120.2	105.7	99.1	97.8
62.5°	524.5	113.1	52.2	50.0	67.5	84.2	110.5	109.6	91.7	81.1	80.3
65°	127.2	51.7	37.3	35.1	38.2	50.4	71.9	86.4	74.1	61.8	60.5
67.5°	41.2	42.1	34.2	32.0	33.8	37.7	43.0	47.8	47.4	43.4	42.5
70°	32.9	38.2	31.6	28.9	28.9	30.3	28.9	23.2	20.2	21.9	22.8
72.5°	24.6	28.9	25.0	22.4	21.5	21.1	18.0	13.2	9.2	8.3	7.9
75°	14.5	16.2	15.3	13.2	12.3	11.0	8.8	5.7	3.1	2.2	1.3
77.5°	2.6	3.1	3.5	2.6	2.2	1.8	1.3	0.4	0.0	0.0	0.0
80°	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)