

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: P630623

Luminaire Tested: GWS-SA1E-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 3315.5 lumens
Efficiency: N/A
Efficacy: 56.8 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

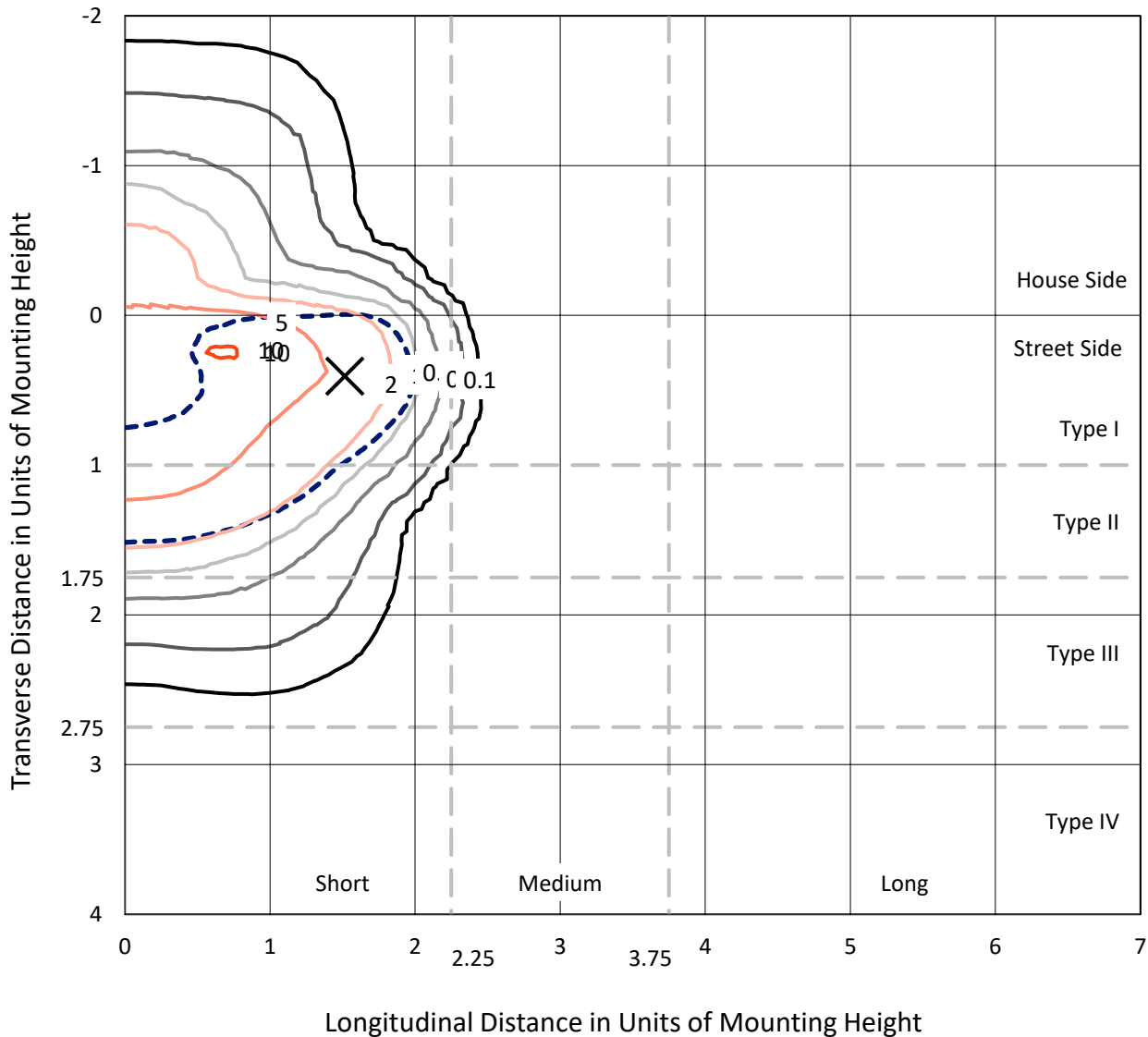
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

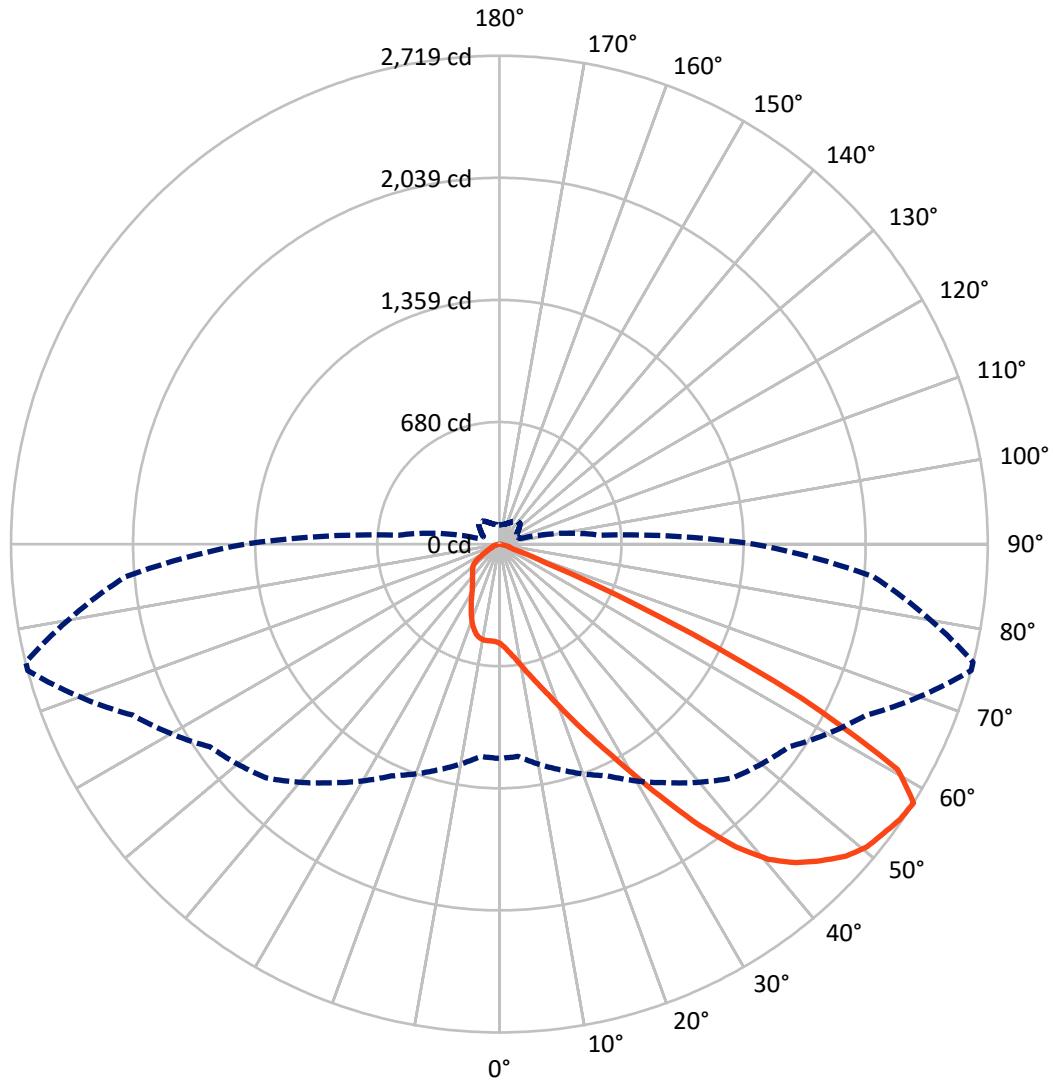
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

REPORT NUMBER: P630623
CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	541.6	0.0	541.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	2773.9	0.0	2773.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	3315.5	0.0	3315.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.7
10°-20°	182.8	5.5
20°-30°	334.7	10.1
30°-40°	555.4	16.8
40°-50°	848.2	25.6
50°-60°	953.0	28.7
60°-70°	351.5	10.6
70°-80°	33.6	1.0
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°	3315.5	100.0
0°-180°	3315.5	100.0

Coefficient of Utilization



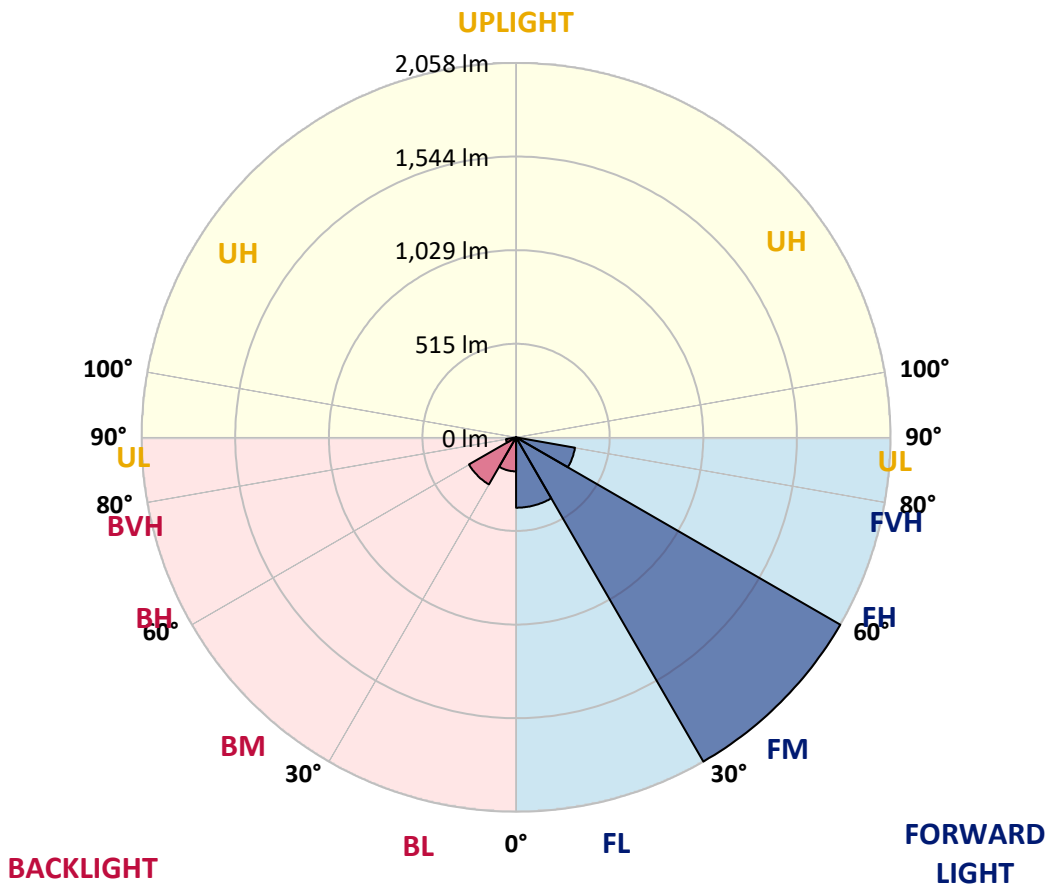
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.9	11.7			
FM (30°-60°)	2058.1	62.1			
FH (60°-80°)	328.9	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	186.9	5.6	B1/500		
BM (30°-60°)	298.5	9.0	B1/1000		
BH (60°-80°)	56.2	1.7	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





REPORT NUMBER: P630623

CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	617.8	624.2	622.2	618.2	615.8	607.4	602.2	587.0	576.2	575.0	565.0
5°	695.8	694.6	693.0	688.2	684.2	671.0	655.4	629.8	607.0	604.2	583.0
7.5°	738.6	739.4	740.2	739.4	736.6	726.6	709.4	679.4	644.6	642.2	608.6
10°	756.2	757.8	761.8	769.4	776.3	775.5	765.4	734.6	691.8	687.8	642.6
12.5°	764.6	766.6	773.1	787.5	805.9	820.3	821.9	794.3	747.0	740.6	683.0
15°	776.3	778.3	786.3	805.1	831.9	860.3	878.7	861.1	808.3	801.5	727.4
17.5°	781.5	784.3	795.9	820.7	855.5	899.1	940.7	939.1	880.7	875.5	779.1
20°	791.5	793.5	803.9	830.7	872.7	935.5	1005.5	1030.7	969.1	961.5	841.5
22.5°	823.1	823.9	828.7	845.5	884.7	961.9	1071.5	1137.6	1073.5	1063.5	911.5
25°	874.7	874.3	876.3	879.1	907.9	988.7	1135.2	1258.0	1193.2	1182.4	990.7
27.5°	940.3	940.3	945.1	937.1	948.7	1021.9	1198.0	1396.5	1332.4	1317.2	1077.5
30°	1017.5	1017.1	1028.3	1015.5	1019.1	1074.3	1265.6	1547.3	1500.5	1481.7	1177.6
32.5°	1122.4	1120.0	1132.8	1115.2	1103.2	1153.6	1348.0	1705.0	1701.8	1672.9	1303.2
35°	1254.8	1250.8	1254.8	1237.6	1216.0	1264.4	1456.1	1862.2	1925.0	1894.6	1452.9
37.5°	1386.4	1399.3	1403.7	1374.0	1356.4	1404.9	1586.1	2003.0	2138.3	2106.7	1608.5
40°	1541.7	1537.7	1552.9	1519.7	1508.5	1562.1	1713.4	2107.9	2307.1	2277.1	1747.0
42.5°	1656.1	1663.3	1682.1	1663.7	1654.9	1705.4	1820.2	2169.1	2424.4	2394.8	1845.8
45°	1793.4	1798.6	1805.8	1790.6	1781.4	1831.0	1897.4	2195.9	2513.6	2481.6	1912.2
47.5°	1941.8	1945.8	1945.8	1914.6	1885.0	1905.4	1949.0	2211.1	2595.6	2564.8	1961.4
50°	2048.3	2050.3	2067.9	2045.9	1981.4	1949.8	1972.6	2225.9	2650.1	2621.2	1977.4
52.5°	1953.8	1951.4	2009.5	2055.1	2072.3	2009.5	2013.5	2247.5	2676.5	2651.7	1990.2
55°	1645.3	1641.3	1723.0	1833.8	1985.4	2065.9	2062.7	2260.3	2705.7	2690.5	2036.7
57.5°	1192.8	1186.0	1299.6	1422.9	1621.7	1839.8	1967.8	2253.1	2718.5	2717.3	2090.7
60°	717.0	711.4	818.7	948.3	1102.0	1321.2	1533.7	2018.3	2547.2	2549.6	1950.2
62.5°	441.3	446.5	543.4	609.4	666.6	732.6	855.5	1357.6	1887.0	1902.6	1370.4
65°	296.9	300.9	390.5	473.8	473.8	387.3	332.5	649.0	1006.7	980.3	648.2
67.5°	199.3	203.7	274.5	371.7	385.7	270.1	134.8	193.7	280.5	272.1	160.5
70°	117.2	122.0	182.9	254.9	280.9	188.1	90.0	82.0	79.6	77.2	62.4
72.5°	52.4	54.4	93.2	129.6	118.4	79.2	63.6	65.6	62.0	60.8	50.8
75°	16.0	16.8	24.0	28.0	28.4	28.4	38.4	51.6	48.8	49.2	39.2
77.5°	4.0	4.0	6.4	6.0	3.2	2.8	7.2	11.6	12.0	10.8	8.0
80°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
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°	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0	553.0
2.5°	560.6	550.2	543.4	533.8	527.0	519.8	513.4	508.2	505.4	504.6	505.0
5°	573.4	557.0	541.0	522.6	509.8	497.8	488.2	480.6	477.0	475.8	475.8
7.5°	593.0	570.2	541.8	513.0	491.4	472.6	461.3	452.9	449.7	448.9	446.5
10°	618.6	587.4	540.6	495.8	465.4	445.7	437.7	435.3	436.5	436.9	436.5
12.5°	649.4	605.4	533.0	470.6	437.7	425.7	426.5	432.9	440.1	443.7	444.5
15°	682.2	621.8	515.8	440.5	414.1	413.7	425.3	440.1	454.1	460.1	461.7
17.5°	719.0	635.0	489.4	408.5	393.7	405.3	426.1	448.9	467.8	477.8	479.8
20°	759.4	645.8	455.7	378.5	375.7	396.5	425.3	453.3	476.6	487.8	489.8
22.5°	801.5	653.4	416.9	350.9	359.3	386.5	417.7	444.9	467.0	479.8	481.4
25°	849.5	654.2	377.3	327.7	344.1	372.9	399.3	421.7	440.1	451.3	452.5
27.5°	891.5	644.6	342.1	308.9	330.1	356.1	373.7	386.1	398.9	405.3	405.7
30°	939.9	627.8	308.9	293.7	315.7	335.3	344.1	346.9	348.1	349.3	347.7
32.5°	997.5	607.4	284.1	278.9	299.3	312.5	314.9	309.3	302.5	292.9	290.5
35°	1068.3	589.0	263.7	264.5	281.3	289.3	287.3	275.3	262.1	250.5	248.5
37.5°	1145.2	573.4	248.1	250.5	261.7	267.3	261.3	248.1	242.1	232.1	232.5
40°	1213.2	560.6	234.1	236.5	241.7	246.9	237.3	228.5	239.7	238.9	239.7
42.5°	1261.6	549.8	222.1	220.9	224.5	228.1	220.9	216.5	235.3	230.1	232.9
45°	1290.0	539.8	212.1	204.9	210.5	216.9	212.1	206.5	212.9	188.9	186.9
47.5°	1309.2	534.2	203.3	189.3	199.3	210.5	200.5	186.9	177.7	156.9	155.3
50°	1311.2	531.4	192.9	173.3	186.1	198.1	186.5	167.7	154.5	145.2	144.0
52.5°	1321.6	537.0	178.5	152.8	166.9	186.1	178.1	159.3	141.2	133.2	131.6
55°	1368.0	560.6	154.5	124.8	145.2	176.9	171.3	142.0	124.8	120.0	118.8
57.5°	1416.1	565.4	121.6	98.8	126.4	163.7	156.5	130.8	114.0	108.4	107.2
60°	1294.8	465.8	91.2	81.6	111.6	151.2	144.8	124.0	104.4	97.6	96.4
62.5°	850.7	251.7	72.4	69.2	94.0	128.0	132.0	112.0	93.2	86.0	85.6
65°	392.1	116.8	55.6	54.8	73.6	102.0	113.6	98.0	78.8	72.4	72.4
67.5°	106.8	58.0	43.6	40.4	50.0	68.4	82.8	73.2	56.0	48.4	48.0
70°	53.2	46.8	39.2	34.8	36.0	42.4	48.8	40.8	28.4	23.2	22.8
72.5°	43.6	38.4	33.2	29.6	27.2	26.0	25.2	20.4	13.2	10.0	9.6
75°	32.4	27.6	23.6	19.2	16.4	15.2	13.6	10.0	5.6	3.2	2.8
77.5°	7.2	6.8	6.4	4.8	4.4	3.6	2.8	2.0	0.8	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	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)