

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: P632108

Luminaire Tested: GWS-SA2C-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632108
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-SA2C-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4049.5 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

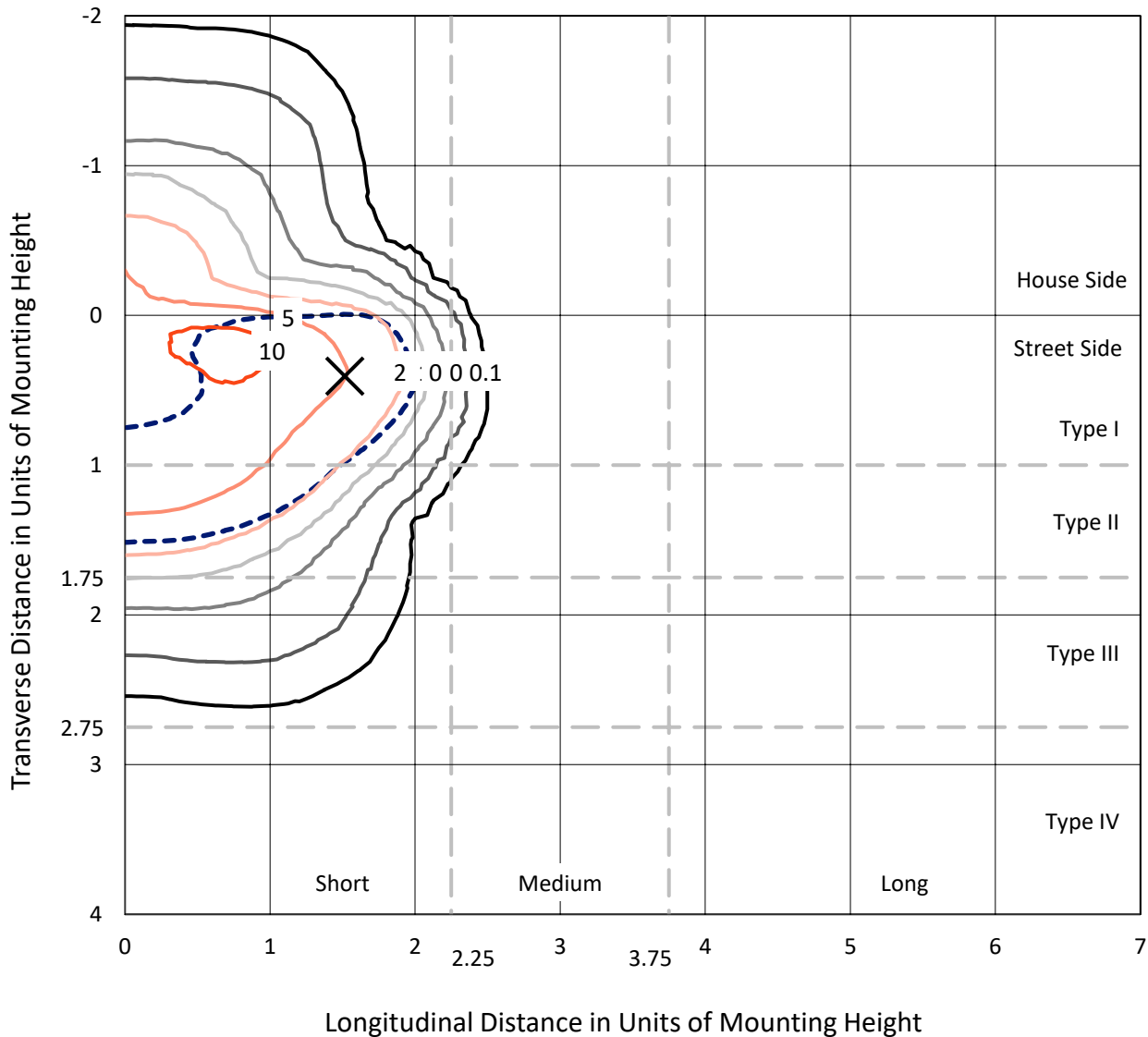
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

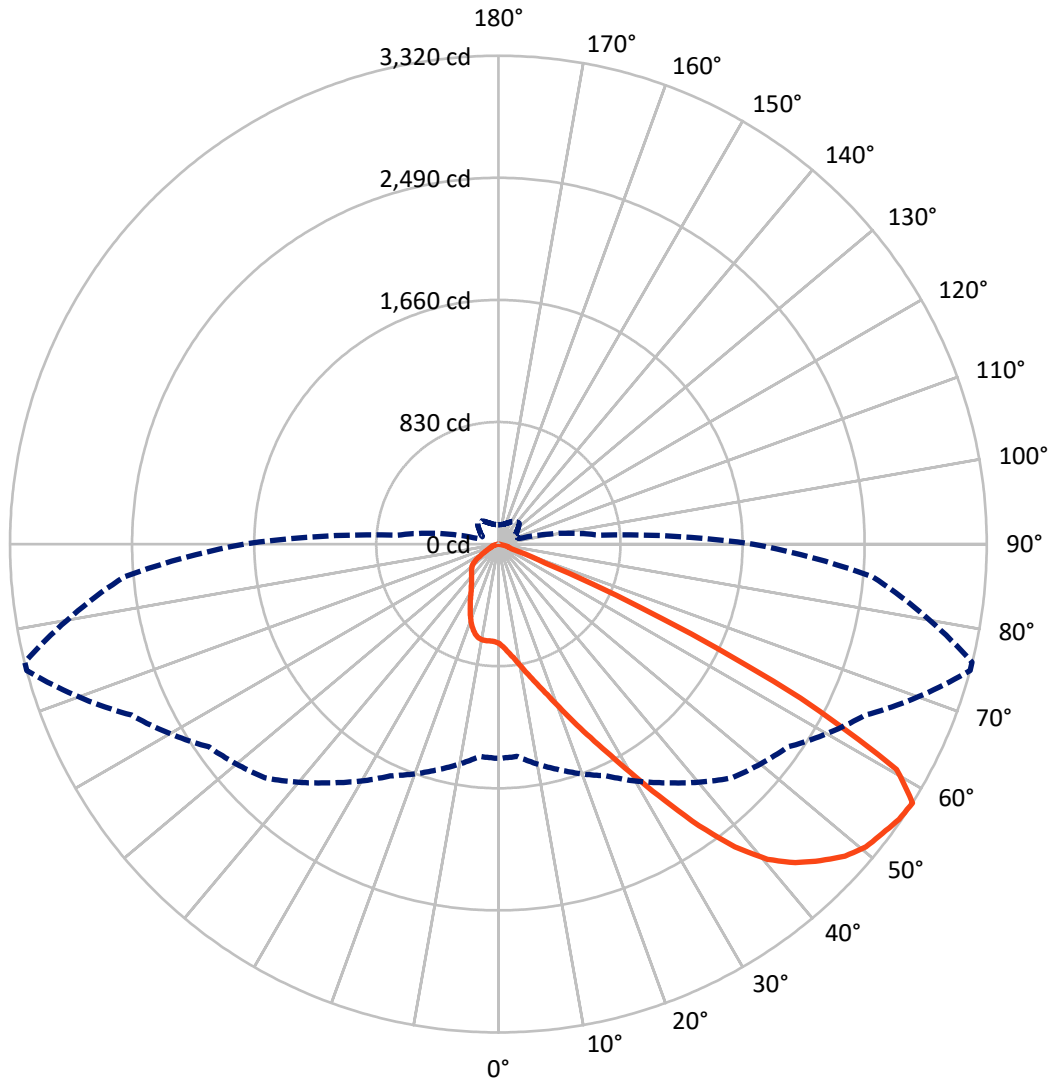
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	661.5	0.0	661.5
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3388.0	0.0	3388.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	4049.5	0.0	4049.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	1.7
10°-20°	223.3	5.5
20°-30°	408.8	10.1
30°-40°	678.3	16.8
40°-50°	1035.9	25.6
50°-60°	1164.0	28.7
60°-70°	429.3	10.6
70°-80°	41.0	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°	4049.5	100.0
0°-180°	4049.5	100.0

Coefficient of Utilization



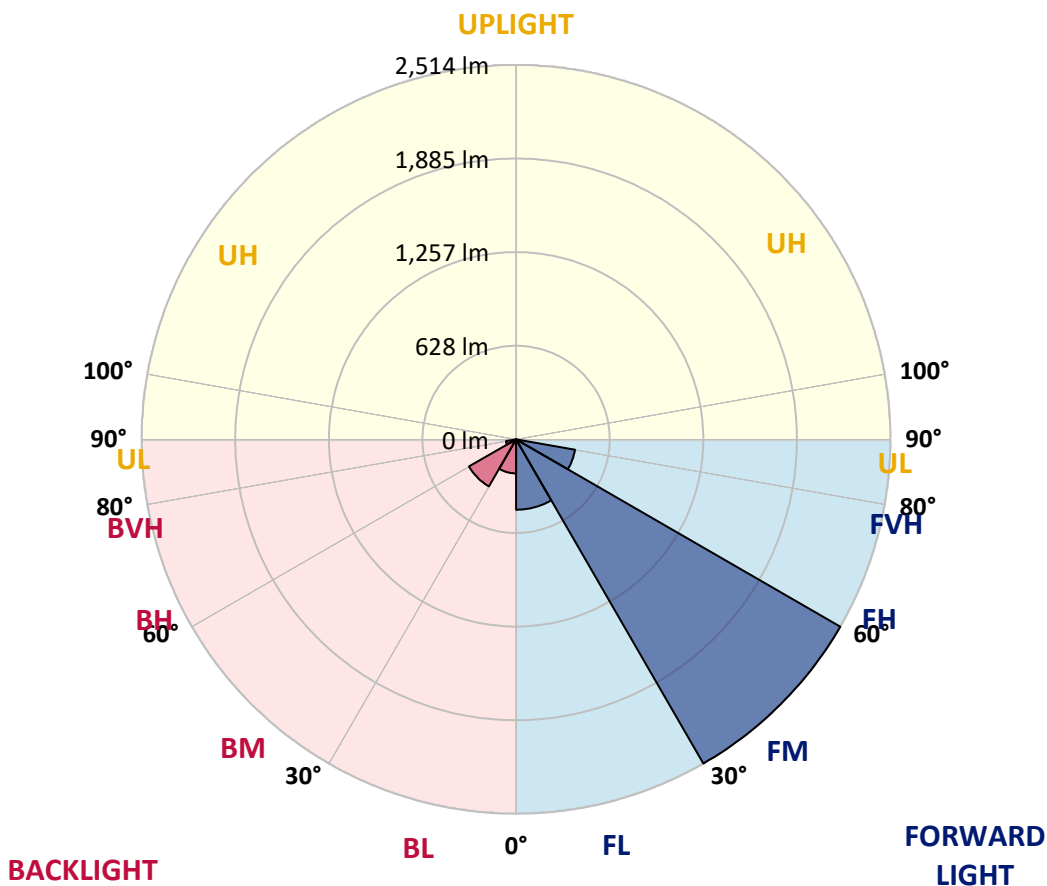
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.6	11.7			
FM (30°-60°)	2513.7	62.1			
FH (60°-80°)	401.7	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	228.3	5.6	B1/500		
BM (30°-60°)	364.5	9.0	B1/1000		
BH (60°-80°)	68.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4
2.5°	754.6	762.4	759.9	755.1	752.1	741.9	735.5	716.9	703.7	702.3	690.1
5°	849.9	848.4	846.4	840.6	835.7	819.6	800.5	769.2	741.4	738.0	712.1
7.5°	902.2	903.1	904.1	903.1	899.7	887.5	866.5	829.8	787.3	784.4	743.3
10°	923.7	925.6	930.5	939.8	948.1	947.1	934.9	897.3	845.0	840.1	784.9
12.5°	933.9	936.4	944.2	961.8	984.3	1001.9	1003.8	970.1	912.4	904.6	834.2
15°	948.1	950.5	960.3	983.3	1016.0	1050.7	1073.2	1051.7	987.2	978.9	888.5
17.5°	954.5	957.9	972.0	1002.3	1044.9	1098.1	1149.0	1147.0	1075.7	1069.3	951.5
20°	966.7	969.1	981.8	1014.6	1065.9	1142.6	1228.1	1258.9	1183.7	1174.4	1027.8
22.5°	1005.3	1006.3	1012.1	1032.6	1080.5	1174.9	1308.8	1389.4	1311.2	1299.0	1113.3
25°	1068.3	1067.8	1070.3	1073.7	1108.9	1207.6	1386.5	1536.5	1457.3	1444.1	1210.1
27.5°	1148.5	1148.5	1154.3	1144.6	1158.7	1248.2	1463.2	1705.6	1627.4	1608.8	1316.1
30°	1242.8	1242.3	1256.0	1240.4	1244.7	1312.2	1545.8	1889.8	1832.7	1809.7	1438.3
32.5°	1370.8	1367.9	1383.5	1362.0	1347.4	1409.0	1646.5	2082.4	2078.5	2043.3	1591.7
35°	1532.6	1527.7	1532.6	1511.6	1485.2	1544.3	1778.4	2274.5	2351.2	2314.1	1774.5
37.5°	1693.4	1709.0	1714.4	1678.2	1656.7	1715.9	1937.3	2446.5	2611.7	2573.1	1964.6
40°	1883.0	1878.1	1896.7	1856.1	1842.4	1907.9	2092.7	2574.5	2817.9	2781.3	2133.7
42.5°	2022.8	2031.6	2054.5	2032.1	2021.3	2082.9	2223.2	2649.3	2961.1	2924.9	2254.4
45°	2190.4	2196.8	2205.6	2187.0	2175.7	2236.3	2317.5	2682.1	3070.1	3031.0	2335.6
47.5°	2371.7	2376.6	2376.6	2338.5	2302.3	2327.2	2380.5	2700.6	3170.3	3132.6	2395.7
50°	2501.7	2504.2	2525.7	2498.8	2420.1	2381.5	2409.4	2718.7	3236.7	3201.6	2415.2
52.5°	2386.4	2383.4	2454.3	2510.0	2531.0	2454.3	2459.2	2745.1	3269.0	3238.7	2430.9
55°	2009.6	2004.7	2104.4	2239.8	2425.0	2523.2	2519.3	2760.7	3304.7	3286.1	2487.5
57.5°	1456.9	1448.5	1587.3	1737.9	1980.8	2247.1	2403.5	2751.9	3320.3	3318.8	2553.5
60°	875.8	868.9	999.9	1158.2	1345.9	1613.7	1873.2	2465.1	3111.1	3114.1	2382.0
62.5°	539.0	545.4	663.7	744.3	814.2	894.8	1044.9	1658.2	2304.8	2323.8	1673.8
65°	362.6	367.5	477.0	578.6	578.6	473.1	406.1	792.7	1229.6	1197.3	791.7
67.5°	243.4	248.8	335.3	454.0	471.1	329.9	164.7	236.5	342.6	332.3	196.0
70°	143.2	149.1	223.3	311.3	343.1	229.7	110.0	100.2	97.3	94.3	76.2
72.5°	64.0	66.5	113.9	158.3	144.7	96.8	77.7	80.1	75.8	74.3	62.1
75°	19.5	20.5	29.3	34.2	34.7	34.7	46.9	63.0	59.6	60.1	47.9
77.5°	4.9	4.9	7.8	7.3	3.9	3.4	8.8	14.2	14.7	13.2	9.8
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
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°	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4	675.4
2.5°	684.7	672.0	663.7	651.9	643.6	634.8	627.0	620.7	617.2	616.3	616.8
5°	700.3	680.3	660.7	638.3	622.6	608.0	596.2	586.9	582.5	581.1	581.1
7.5°	724.3	696.4	661.7	626.5	600.1	577.2	563.5	553.2	549.3	548.3	545.4
10°	755.5	717.4	660.3	605.5	568.4	544.4	534.7	531.7	533.2	533.7	533.2
12.5°	793.2	739.4	651.0	574.7	534.7	520.0	521.0	528.8	537.6	542.0	543.0
15°	833.3	759.5	629.9	538.1	505.8	505.3	519.5	537.6	554.7	562.0	564.0
17.5°	878.2	775.6	597.7	499.0	480.9	495.1	520.5	548.3	571.3	583.5	586.0
20°	927.6	788.8	556.6	462.3	458.9	484.3	519.5	553.7	582.1	595.7	598.2
22.5°	978.9	798.1	509.2	428.6	438.9	472.1	510.2	543.4	570.3	586.0	587.9
25°	1037.5	799.0	460.9	400.3	420.3	455.5	487.7	515.1	537.6	551.3	552.7
27.5°	1088.9	787.3	417.8	377.3	403.2	435.0	456.5	471.6	487.2	495.1	495.6
30°	1148.0	766.8	377.3	358.7	385.6	409.5	420.3	423.7	425.2	426.6	424.7
32.5°	1218.4	741.9	347.0	340.6	365.6	381.7	384.6	377.8	369.5	357.7	354.8
35°	1304.9	719.4	322.1	323.0	343.6	353.3	350.9	336.2	320.1	305.9	303.5
37.5°	1398.7	700.3	303.0	305.9	319.6	326.5	319.1	303.0	295.7	283.5	283.9
40°	1481.8	684.7	285.9	288.8	295.2	301.5	289.8	279.1	292.7	291.8	292.7
42.5°	1540.9	671.5	271.2	269.8	274.2	278.6	269.8	264.4	287.4	281.0	284.4
45°	1575.6	659.3	259.0	250.2	257.1	264.9	259.0	252.2	260.0	230.7	228.2
47.5°	1599.1	652.4	248.3	231.2	243.4	257.1	244.8	228.2	217.0	191.6	189.6
50°	1601.5	649.0	235.6	211.6	227.3	241.9	227.7	204.8	188.6	177.4	175.9
52.5°	1614.2	655.9	218.0	186.7	203.8	227.3	217.5	194.5	172.5	162.7	160.8
55°	1670.9	684.7	188.6	152.5	177.4	216.0	209.2	173.5	152.5	146.6	145.1
57.5°	1729.6	690.6	148.6	120.7	154.4	199.9	191.1	159.8	139.3	132.4	131.0
60°	1581.5	568.9	111.4	99.7	136.4	184.7	176.9	151.5	127.6	119.2	117.8
62.5°	1039.0	307.4	88.5	84.5	114.8	156.4	161.3	136.8	113.9	105.1	104.6
65°	478.9	142.7	67.9	67.0	89.9	124.6	138.8	119.7	96.3	88.5	88.5
67.5°	130.5	70.9	53.3	49.4	61.1	83.6	101.2	89.4	68.4	59.1	58.6
70°	65.0	57.2	47.9	42.5	44.0	51.8	59.6	49.8	34.7	28.3	27.9
72.5°	53.3	46.9	40.6	36.2	33.2	31.8	30.8	24.9	16.1	12.2	11.7
75°	39.6	33.7	28.8	23.5	20.0	18.6	16.6	12.2	6.8	3.9	3.4
77.5°	8.8	8.3	7.8	5.9	5.4	4.4	3.4	2.4	1.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	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)