

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: P631943

Luminaire Tested: GWS-SA2B-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631943
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-SA2B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4135.8 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

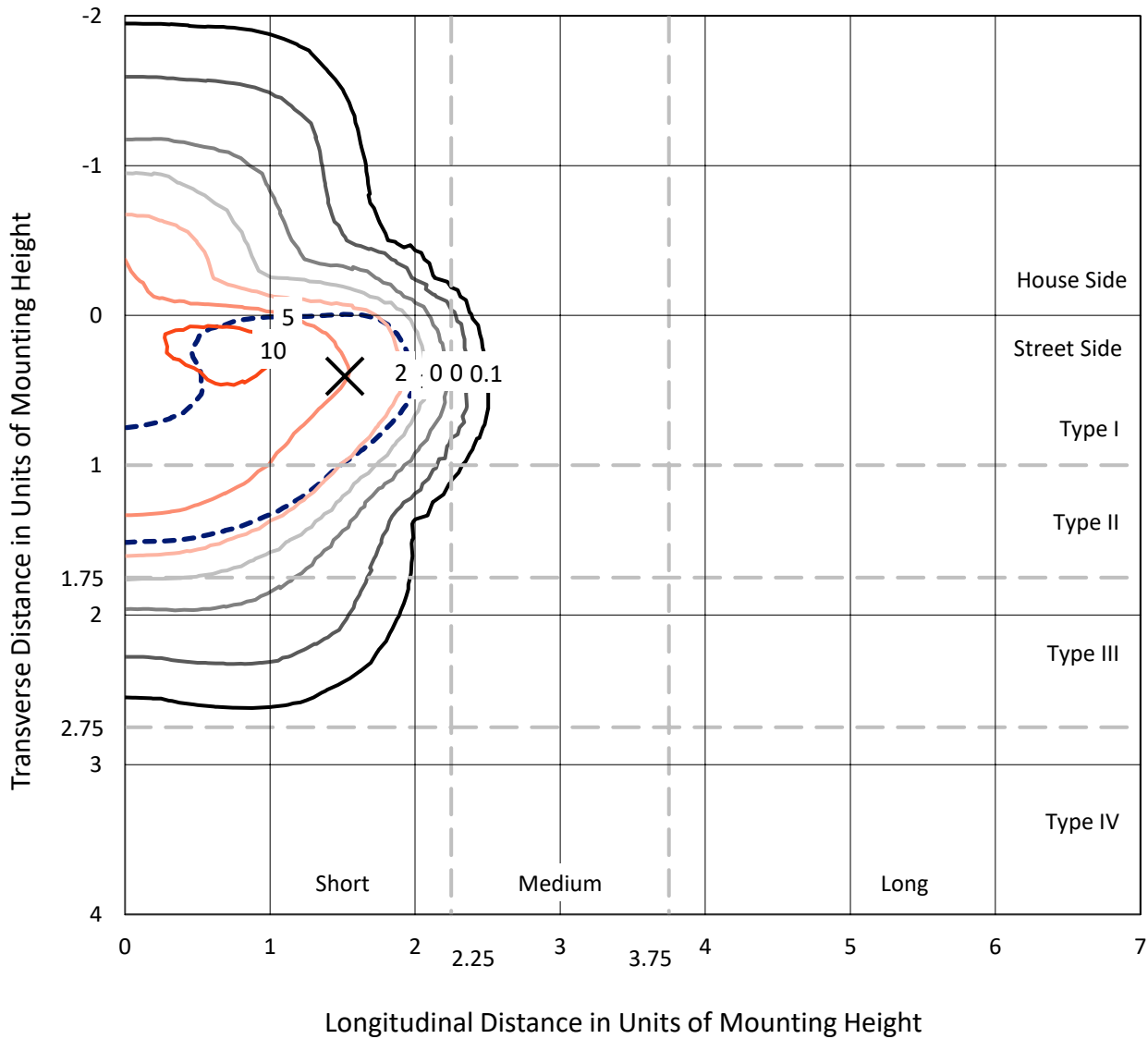
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631943
 CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

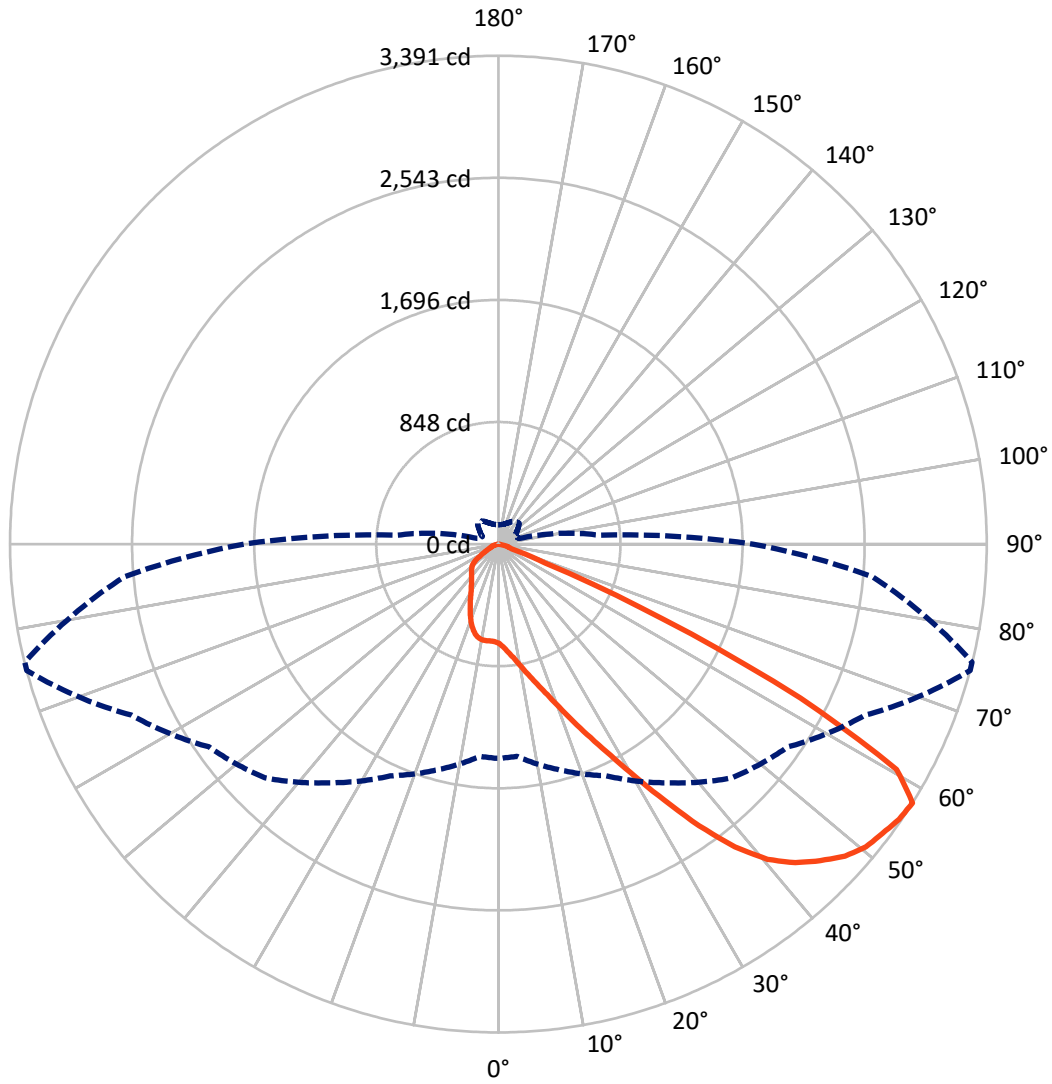
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type II - Short - N/A

REPORT NUMBER: P631943
CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631943

CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	675.6	0.0	675.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3460.2	0.0	3460.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	4135.8	0.0	4135.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.7
10°-20°	228.0	5.5
20°-30°	417.5	10.1
30°-40°	692.8	16.8
40°-50°	1058.0	25.6
50°-60°	1188.8	28.7
60°-70°	438.5	10.6
70°-80°	41.9	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°	4135.8	100.0
0°-180°	4135.8	100.0

Coefficient of Utilization



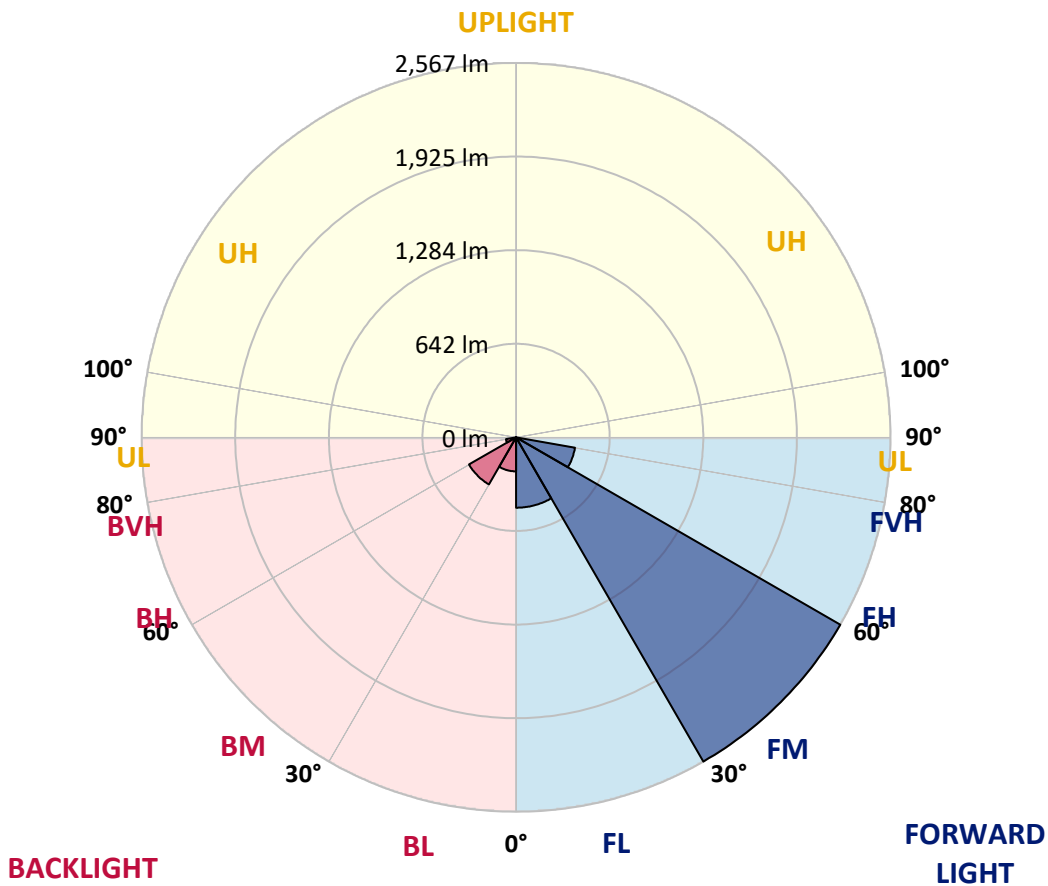
REPORT NUMBER: P631943

CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	482.6	11.7			
FM (30°-60°)	2567.3	62.1			
FH (60°-80°)	410.3	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	233.1	5.6	B1/500		
BM (30°-60°)	372.3	9.0	B1/1000		
BH (60°-80°)	70.2	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: P631943

CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8
2.5°	770.7	778.6	776.1	771.2	768.2	757.7	751.2	732.2	718.7	717.2	704.8
5°	868.0	866.5	864.5	858.5	853.5	837.0	817.6	785.6	757.2	753.7	727.2
7.5°	921.4	922.4	923.4	922.4	918.9	906.4	885.0	847.5	804.1	801.1	759.2
10°	943.4	945.3	950.3	959.8	968.3	967.3	954.8	916.4	863.0	858.0	801.6
12.5°	953.8	956.3	964.3	982.3	1005.2	1023.2	1025.2	990.8	931.9	923.9	852.0
15°	968.3	970.8	980.8	1004.2	1037.7	1073.1	1096.1	1074.1	1008.2	999.8	907.4
17.5°	974.8	978.3	992.8	1023.7	1067.1	1121.5	1173.4	1171.5	1098.6	1092.1	971.8
20°	987.3	989.8	1002.7	1036.2	1088.6	1167.0	1254.3	1285.8	1208.9	1199.4	1049.7
22.5°	1026.7	1027.7	1033.7	1054.7	1103.6	1199.9	1336.7	1419.0	1339.2	1326.7	1137.0
25°	1091.1	1090.6	1093.1	1096.6	1132.5	1233.3	1416.0	1569.3	1488.4	1474.9	1235.8
27.5°	1172.9	1172.9	1178.9	1169.0	1183.4	1274.8	1494.4	1742.0	1662.1	1643.1	1344.1
30°	1269.3	1268.8	1282.8	1266.8	1271.3	1340.2	1578.7	1930.1	1871.7	1848.3	1468.9
32.5°	1400.1	1397.1	1413.0	1391.1	1376.1	1439.0	1681.6	2126.8	2122.8	2086.9	1625.7
35°	1565.3	1560.3	1565.3	1543.8	1516.8	1577.2	1816.3	2322.9	2401.3	2363.4	1812.3
37.5°	1729.5	1745.4	1750.9	1714.0	1692.0	1752.4	1978.5	2498.6	2667.3	2627.9	2006.5
40°	1923.1	1918.1	1937.1	1895.7	1881.7	1948.6	2137.3	2629.4	2878.0	2840.5	2179.2
42.5°	2065.9	2074.9	2098.3	2075.4	2064.4	2127.3	2270.5	2705.8	3024.2	2987.3	2302.5
45°	2237.1	2243.6	2252.6	2233.6	2222.1	2284.0	2366.9	2739.2	3135.5	3095.6	2385.3
47.5°	2422.3	2427.3	2427.3	2388.3	2351.4	2376.8	2431.2	2758.2	3237.8	3199.4	2446.7
50°	2555.0	2557.5	2579.5	2552.0	2471.7	2432.2	2460.7	2776.6	3305.7	3269.8	2466.7
52.5°	2437.2	2434.2	2506.6	2563.5	2585.0	2506.6	2511.6	2803.6	3338.7	3307.7	2482.7
55°	2052.4	2047.4	2149.2	2287.5	2476.7	2577.0	2573.0	2819.6	3375.1	3356.1	2540.6
57.5°	1487.9	1479.4	1621.2	1774.9	2023.0	2295.0	2454.7	2810.6	3391.1	3389.6	2607.9
60°	894.4	887.4	1021.2	1182.9	1374.6	1648.1	1913.2	2517.6	3177.4	3180.4	2432.7
62.5°	550.5	557.0	677.8	760.2	831.5	913.9	1067.1	1693.5	2353.9	2373.4	1709.5
65°	370.4	375.3	487.1	591.0	591.0	483.2	414.8	809.6	1255.8	1222.9	808.6
67.5°	248.6	254.1	342.4	463.7	481.2	336.9	168.2	241.6	349.9	339.4	200.2
70°	146.2	152.2	228.1	317.9	350.4	234.6	112.3	102.3	99.3	96.3	77.9
72.5°	65.4	67.9	116.3	161.7	147.7	98.8	79.4	81.9	77.4	75.9	63.4
75°	20.0	21.0	29.9	34.9	35.4	35.4	47.9	64.4	60.9	61.4	48.9
77.5°	5.0	5.0	8.0	7.5	4.0	3.5	9.0	14.5	15.0	13.5	10.0
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



REPORT NUMBER: P631943
 CATALOG NUMBER: GWS-SA2B-760-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8	689.8
2.5°	699.3	686.3	677.8	665.8	657.4	648.4	640.4	633.9	630.4	629.4	629.9
5°	715.2	694.8	674.8	651.9	635.9	620.9	608.9	599.5	595.0	593.5	593.5
7.5°	739.7	711.3	675.8	639.9	612.9	589.5	575.5	565.0	561.0	560.0	557.0
10°	771.7	732.7	674.3	618.4	580.5	556.0	546.0	543.1	544.5	545.0	544.5
12.5°	810.1	755.2	664.8	587.0	546.0	531.1	532.1	540.1	549.0	553.5	554.5
15°	851.0	775.6	643.4	549.5	516.6	516.1	530.6	549.0	566.5	574.0	576.0
17.5°	896.9	792.1	610.4	509.6	491.1	505.6	531.6	560.0	583.5	596.0	598.5
20°	947.3	805.6	568.5	472.2	468.7	494.6	530.6	565.5	594.5	608.4	610.9
22.5°	999.8	815.1	520.1	437.7	448.2	482.2	521.1	555.0	582.5	598.5	600.5
25°	1059.6	816.1	470.7	408.8	429.2	465.2	498.1	526.1	549.0	563.0	564.5
27.5°	1112.1	804.1	426.8	385.3	411.8	444.2	466.2	481.7	497.6	505.6	506.1
30°	1172.4	783.1	385.3	366.4	393.8	418.3	429.2	432.7	434.2	435.7	433.7
32.5°	1244.3	757.7	354.4	347.9	373.3	389.8	392.8	385.8	377.3	365.4	362.4
35°	1332.7	734.7	328.9	329.9	350.9	360.9	358.4	343.4	326.9	312.5	310.0
37.5°	1428.5	715.2	309.5	312.5	326.4	333.4	325.9	309.5	302.0	289.5	290.0
40°	1513.4	699.3	292.0	295.0	301.5	308.0	296.0	285.0	299.0	298.0	299.0
42.5°	1573.7	685.8	277.0	275.5	280.0	284.5	275.5	270.0	293.5	287.0	290.5
45°	1609.2	673.3	264.5	255.6	262.5	270.5	264.5	257.5	265.5	235.6	233.1
47.5°	1633.1	666.3	253.6	236.1	248.6	262.5	250.1	233.1	221.6	195.7	193.7
50°	1635.6	662.8	240.6	216.1	232.1	247.1	232.6	209.1	192.7	181.2	179.7
52.5°	1648.6	669.8	222.6	190.7	208.1	232.1	222.1	198.7	176.2	166.2	164.2
55°	1706.5	699.3	192.7	155.7	181.2	220.6	213.6	177.2	155.7	149.7	148.2
57.5°	1766.4	705.3	151.7	123.3	157.7	204.1	195.2	163.2	142.3	135.3	133.8
60°	1615.2	581.0	113.8	101.8	139.3	188.7	180.7	154.7	130.3	121.8	120.3
62.5°	1061.1	314.0	90.3	86.3	117.3	159.7	164.7	139.8	116.3	107.3	106.8
65°	489.1	145.7	69.4	68.4	91.8	127.3	141.8	122.3	98.3	90.3	90.3
67.5°	133.3	72.4	54.4	50.4	62.4	85.4	103.3	91.3	69.9	60.4	59.9
70°	66.4	58.4	48.9	43.4	44.9	52.9	60.9	50.9	35.4	28.9	28.5
72.5°	54.4	47.9	41.4	36.9	33.9	32.4	31.4	25.5	16.5	12.5	12.0
75°	40.4	34.4	29.4	24.0	20.5	19.0	17.0	12.5	7.0	4.0	3.5
77.5°	9.0	8.5	8.0	6.0	5.5	4.5	3.5	2.5	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)