

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: P631888

Luminaire Tested: GWS-SA2B-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631888
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4193.3 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

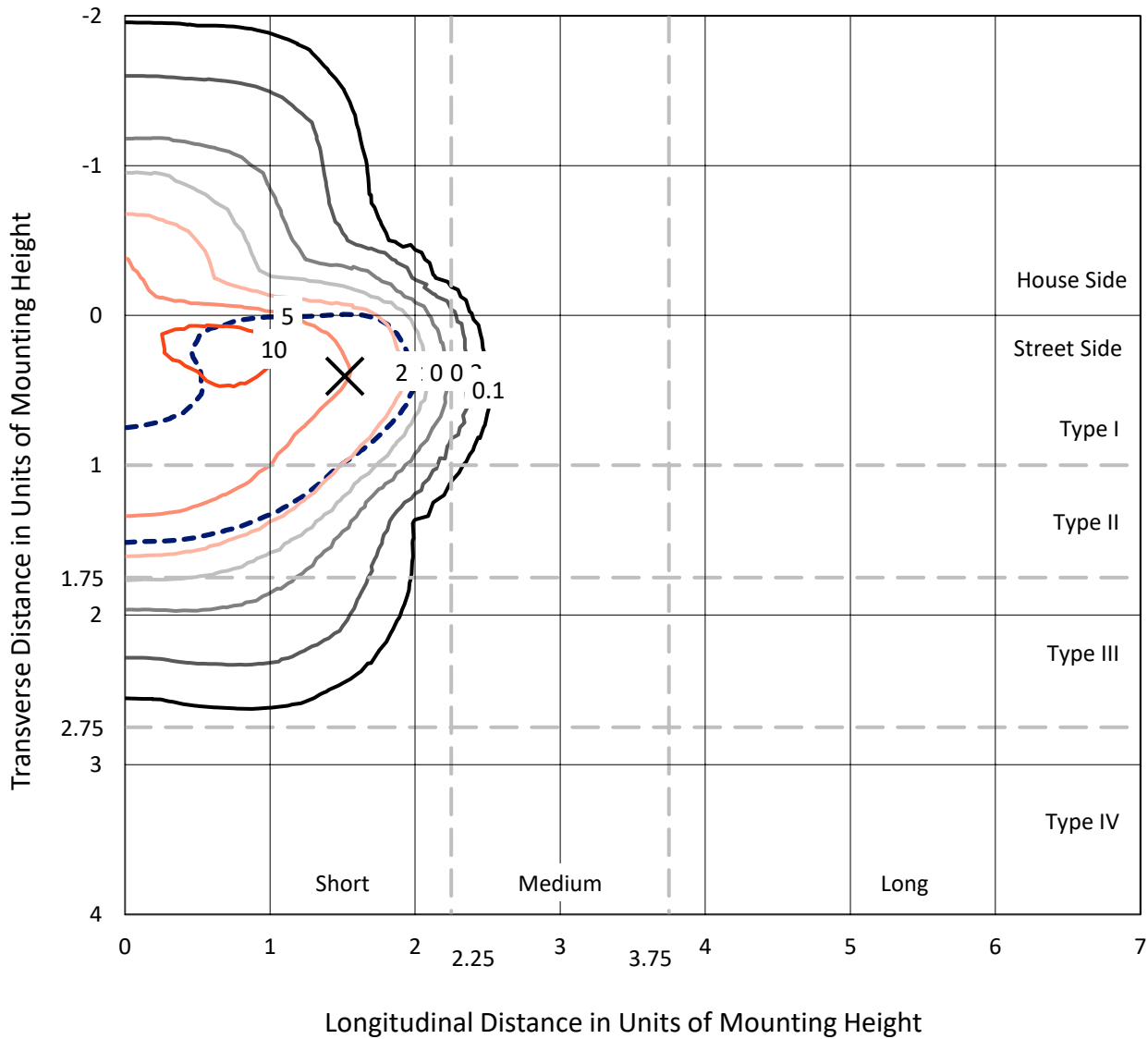
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

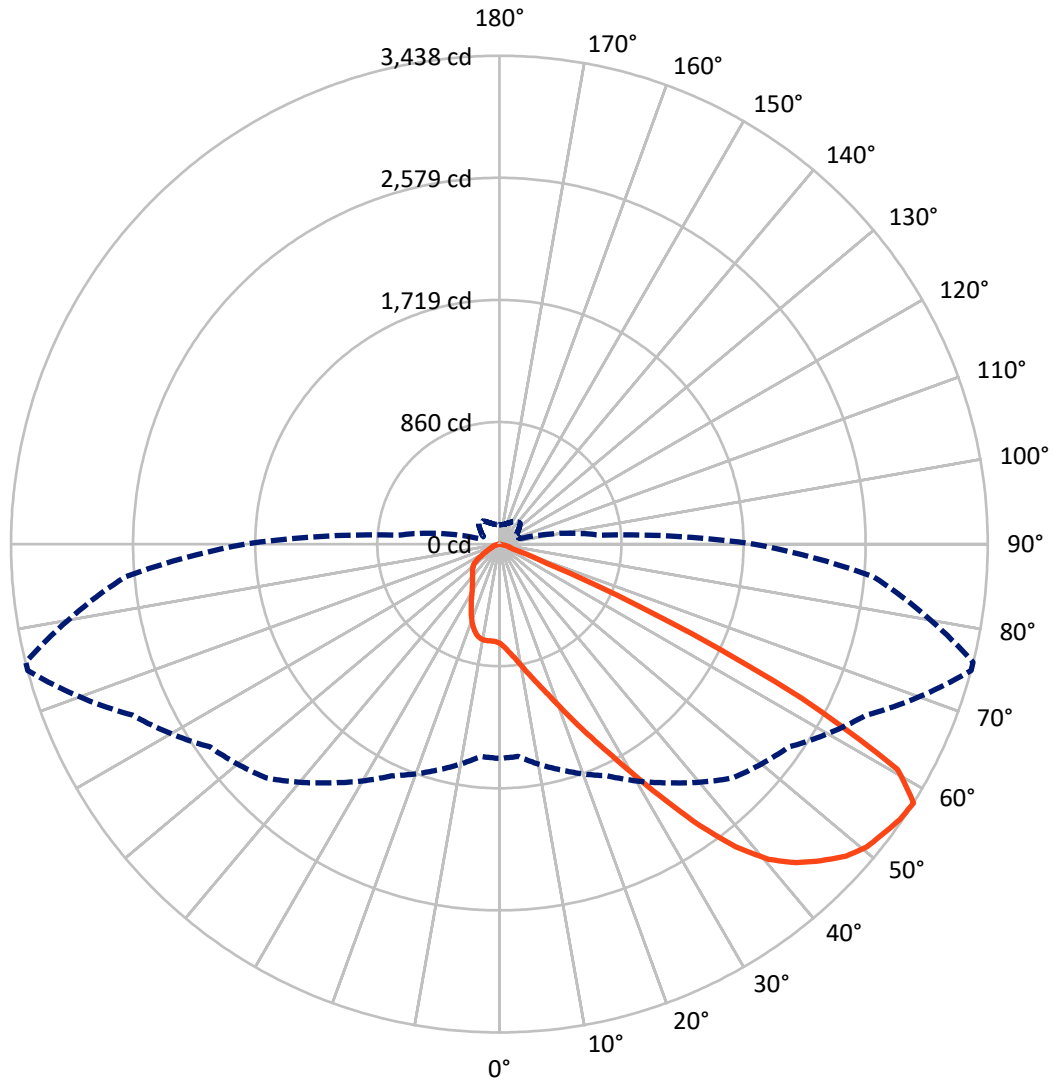
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 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	685.0	0.0	685.0
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3508.3	0.0	3508.3
	% Fixture	83.7	0.0	83.7
Total	Lumens	4193.3	0.0	4193.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.7
10°-20°	231.2	5.5
20°-30°	423.4	10.1
30°-40°	702.4	16.8
40°-50°	1072.7	25.6
50°-60°	1205.4	28.7
60°-70°	444.6	10.6
70°-80°	42.5	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°	4193.3	100.0
0°-180°	4193.3	100.0

Coefficient of Utilization



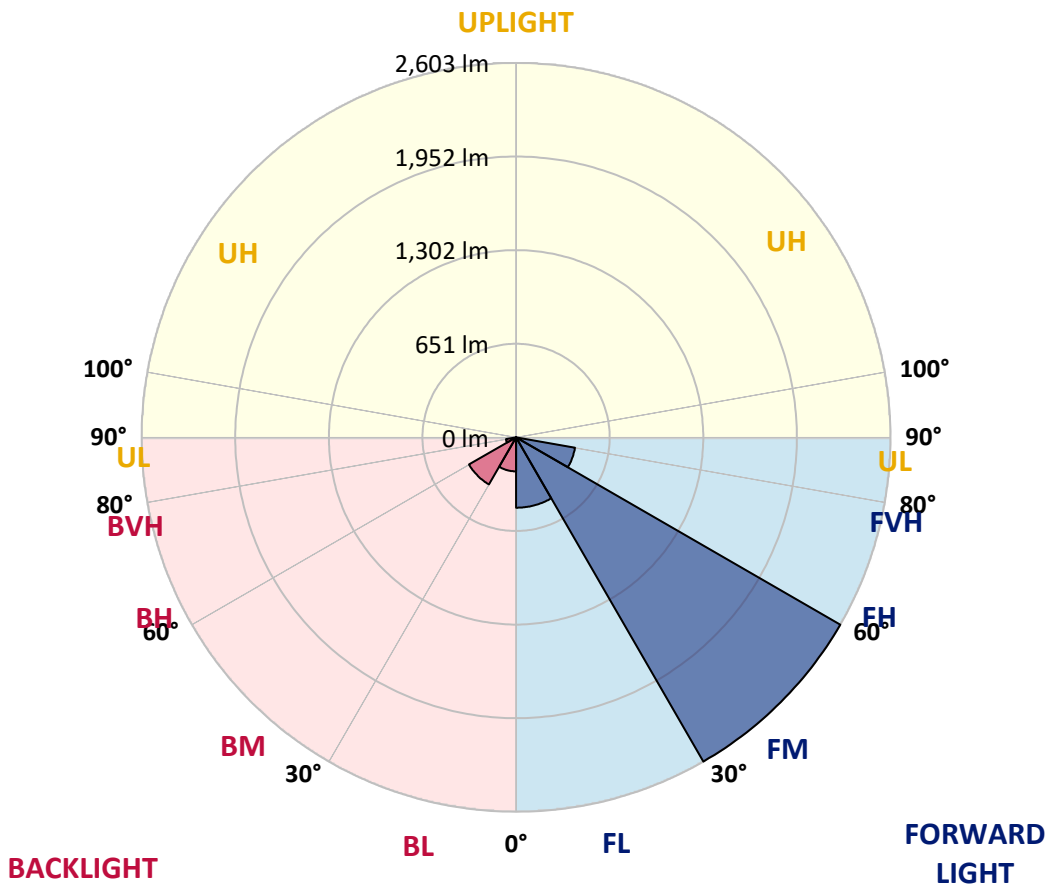
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.4	11.7			
FM (30°-60°)	2603.0	62.1			
FH (60°-80°)	416.0	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	236.4	5.6	B1/500		
BM (30°-60°)	377.5	9.0	B1/1000		
BH (60°-80°)	71.1	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°	699.4	699.4	699.4	699.4	699.4	699.4	699.4	699.4	699.4	699.4	699.4
2.5°	781.4	789.5	786.9	781.9	778.8	768.2	761.6	742.4	728.7	727.2	714.6
5°	880.0	878.5	876.5	870.4	865.4	848.7	828.9	796.5	767.7	764.2	737.3
7.5°	934.2	935.2	936.2	935.2	931.7	919.0	897.3	859.3	815.3	812.2	769.7
10°	956.5	958.5	963.6	973.2	981.8	980.8	968.1	929.1	875.0	869.9	812.7
12.5°	967.1	969.6	977.7	995.9	1019.2	1037.4	1039.5	1004.5	944.8	936.7	863.9
15°	981.8	984.3	994.4	1018.2	1052.1	1088.0	1111.3	1089.1	1022.3	1013.7	920.0
17.5°	988.3	991.9	1006.6	1037.9	1082.0	1137.1	1189.8	1187.7	1113.9	1107.3	985.3
20°	1001.0	1003.5	1016.7	1050.6	1103.7	1183.2	1271.7	1303.6	1225.7	1216.1	1064.3
22.5°	1041.0	1042.0	1048.1	1069.3	1118.9	1216.6	1355.2	1438.7	1357.8	1345.1	1152.8
25°	1106.3	1105.8	1108.3	1111.8	1148.3	1250.5	1435.7	1591.1	1509.1	1495.4	1253.0
27.5°	1189.3	1189.3	1195.3	1185.2	1199.9	1292.5	1515.2	1766.2	1685.2	1666.0	1362.8
30°	1286.9	1286.4	1300.6	1284.4	1289.0	1358.8	1600.7	1957.0	1897.7	1874.0	1489.4
32.5°	1419.5	1416.5	1432.7	1410.4	1395.2	1459.0	1704.9	2156.3	2152.3	2115.9	1648.3
35°	1587.0	1582.0	1587.0	1565.3	1537.9	1599.2	1841.6	2355.2	2434.7	2396.2	1837.5
37.5°	1753.5	1769.7	1775.3	1737.8	1715.6	1776.8	2006.0	2533.4	2704.4	2664.4	2034.4
40°	1949.9	1944.8	1964.0	1922.0	1907.9	1975.7	2167.0	2666.0	2918.0	2880.0	2209.5
42.5°	2094.6	2103.7	2127.5	2104.2	2093.1	2156.9	2302.1	2743.4	3066.3	3028.8	2334.5
45°	2268.2	2274.8	2283.9	2264.6	2253.0	2315.8	2399.8	2777.3	3179.1	3138.6	2418.5
47.5°	2455.9	2461.0	2461.0	2421.5	2384.1	2409.9	2465.1	2796.5	3282.9	3243.9	2480.7
50°	2590.6	2593.1	2615.4	2587.5	2506.0	2466.1	2494.9	2815.2	3351.7	3315.2	2501.0
52.5°	2471.1	2468.1	2541.5	2599.2	2620.9	2541.5	2546.5	2842.6	3385.1	3353.7	2517.2
55°	2080.9	2075.9	2179.1	2319.3	2511.1	2612.8	2608.8	2858.8	3422.0	3402.8	2575.9
57.5°	1508.6	1500.0	1643.7	1799.6	2051.1	2326.9	2488.8	2849.7	3438.2	3436.7	2644.2
60°	906.9	899.8	1035.4	1199.4	1393.7	1671.0	1939.8	2552.6	3221.6	3224.7	2466.6
62.5°	558.2	564.8	687.2	770.7	843.1	926.6	1082.0	1717.1	2386.6	2406.3	1733.3
65°	375.5	380.6	493.9	599.2	599.2	489.9	420.5	820.8	1273.3	1239.9	819.8
67.5°	252.0	257.6	347.2	470.1	487.8	341.6	170.5	244.9	354.8	344.1	202.9
70°	148.3	154.4	231.3	322.4	355.3	237.9	113.9	103.7	100.7	97.7	78.9
72.5°	66.3	68.8	117.9	164.0	149.8	100.2	80.5	83.0	78.4	76.9	64.3
75°	20.2	21.3	30.4	35.4	35.9	35.9	48.6	65.3	61.7	62.2	49.6
77.5°	5.1	5.1	8.1	7.6	4.0	3.5	9.1	14.7	15.2	13.7	10.1
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°	699.4	699.4	699.4	699.4	699.4	699.4	699.4	699.4	699.4	699.4	699.4
2.5°	709.0	695.8	687.2	675.1	666.5	657.4	649.3	642.7	639.2	638.2	638.7
5°	725.2	704.4	684.2	660.9	644.7	629.5	617.4	607.8	603.2	601.7	601.7
7.5°	750.0	721.1	685.2	648.8	621.4	597.7	583.5	572.9	568.8	567.8	564.8
10°	782.4	742.9	683.7	627.0	588.6	563.8	553.6	550.6	552.1	552.6	552.1
12.5°	821.3	765.7	674.1	595.1	553.6	538.5	539.5	547.6	556.7	561.2	562.2
15°	862.8	786.4	652.3	557.2	523.8	523.3	537.9	556.7	574.4	582.0	584.0
17.5°	909.4	803.1	618.9	516.7	498.0	512.6	539.0	567.8	591.6	604.2	606.8
20°	960.5	816.8	576.4	478.7	475.2	501.5	537.9	573.4	602.7	616.9	619.4
22.5°	1013.7	826.4	527.3	443.8	454.4	488.9	528.3	562.7	590.6	606.8	608.8
25°	1074.4	827.4	477.2	414.5	435.2	471.7	505.1	533.4	556.7	570.8	572.4
27.5°	1127.5	815.3	432.7	390.7	417.5	450.4	472.7	488.4	504.5	512.6	513.2
30°	1188.8	794.0	390.7	371.5	399.3	424.1	435.2	438.8	440.3	441.8	439.8
32.5°	1261.6	768.2	359.3	352.7	378.5	395.2	398.3	391.2	382.6	370.4	367.4
35°	1351.2	744.9	333.5	334.5	355.8	365.9	363.4	348.2	331.5	316.8	314.3
37.5°	1448.4	725.2	313.8	316.8	331.0	338.1	330.5	313.8	306.2	293.5	294.0
40°	1534.4	709.0	296.0	299.1	305.7	312.2	300.1	289.0	303.1	302.1	303.1
42.5°	1595.6	695.3	280.9	279.3	283.9	288.5	279.3	273.8	297.6	291.0	294.5
45°	1631.6	682.7	268.2	259.1	266.2	274.3	268.2	261.1	269.2	238.9	236.3
47.5°	1655.8	675.6	257.1	239.4	252.0	266.2	253.5	236.3	224.7	198.4	196.4
50°	1658.4	672.1	243.9	219.1	235.3	250.5	235.8	212.0	195.3	183.7	182.2
52.5°	1671.5	679.1	225.7	193.3	211.0	235.3	225.2	201.4	178.6	168.5	166.5
55°	1730.2	709.0	195.3	157.9	183.7	223.7	216.6	179.7	157.9	151.8	150.3
57.5°	1791.0	715.1	153.8	125.0	159.9	207.0	197.9	165.5	144.2	137.1	135.6
60°	1637.6	589.1	115.4	103.2	141.2	191.3	183.2	156.9	132.1	123.5	122.0
62.5°	1075.9	318.3	91.6	87.5	118.9	161.9	167.0	141.7	117.9	108.8	108.3
65°	495.9	147.8	70.3	69.3	93.1	129.0	143.7	124.0	99.7	91.6	91.6
67.5°	135.1	73.4	55.2	51.1	63.3	86.5	104.8	92.6	70.8	61.2	60.7
70°	67.3	59.2	49.6	44.0	45.5	53.6	61.7	51.6	35.9	29.4	28.8
72.5°	55.2	48.6	42.0	37.4	34.4	32.9	31.9	25.8	16.7	12.7	12.1
75°	41.0	34.9	29.9	24.3	20.7	19.2	17.2	12.7	7.1	4.0	3.5
77.5°	9.1	8.6	8.1	6.1	5.6	4.6	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)