

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: P630898

Luminaire Tested: GWS-SA1E-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630898
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4604.2 lumens
Efficiency: N/A
Efficacy: 78.8 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

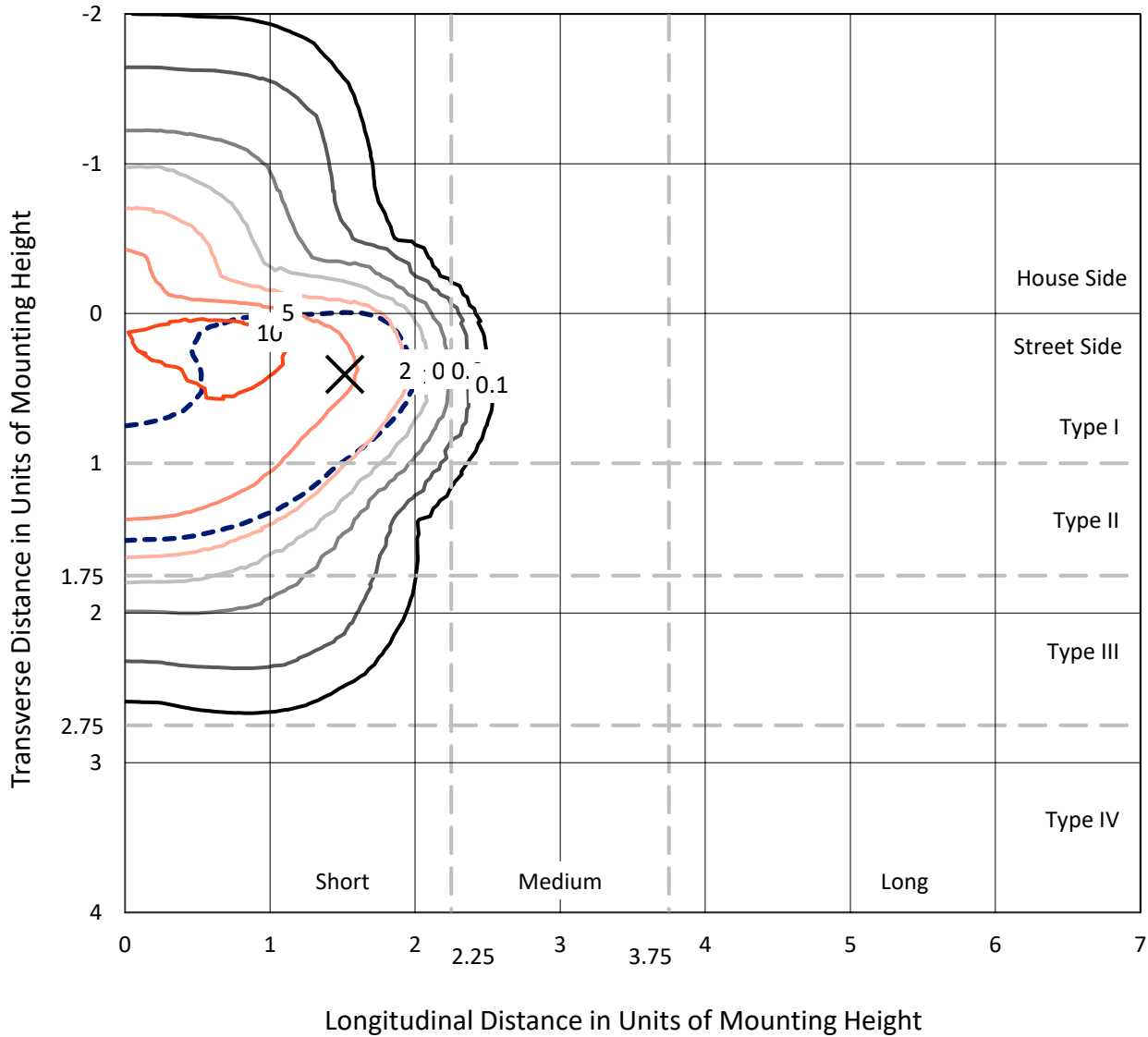
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

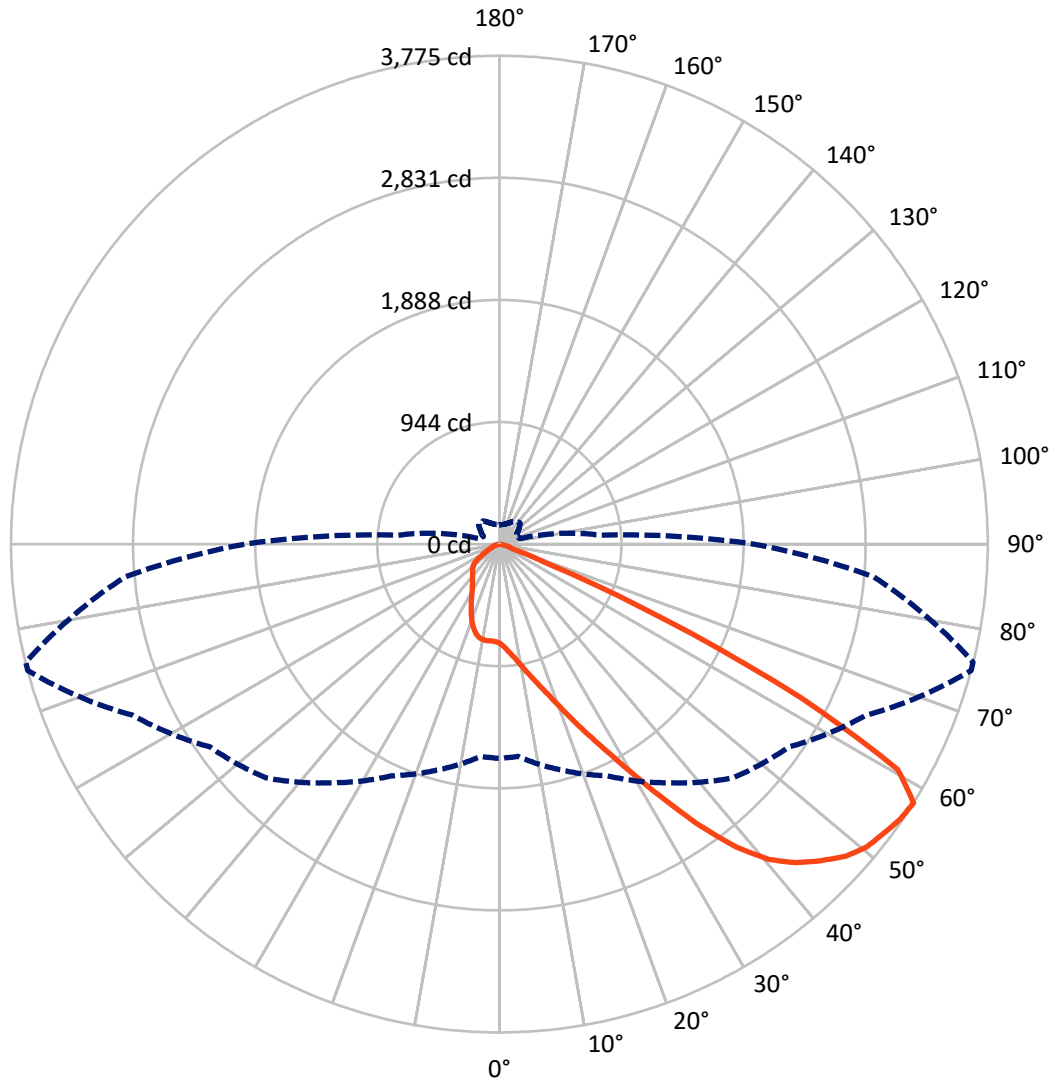
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.3 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	752.1	0.0	752.1
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3852.1	0.0	3852.1
	% Fixture	83.7	0.0	83.7
Total	Lumens	4604.2	0.0	4604.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.7
10°-20°	253.8	5.5
20°-30°	464.8	10.1
30°-40°	771.2	16.7
40°-50°	1177.8	25.6
50°-60°	1323.5	28.7
60°-70°	488.2	10.6
70°-80°	46.7	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°	4604.2	100.0
0°-180°	4604.2	100.0

Coefficient of Utilization



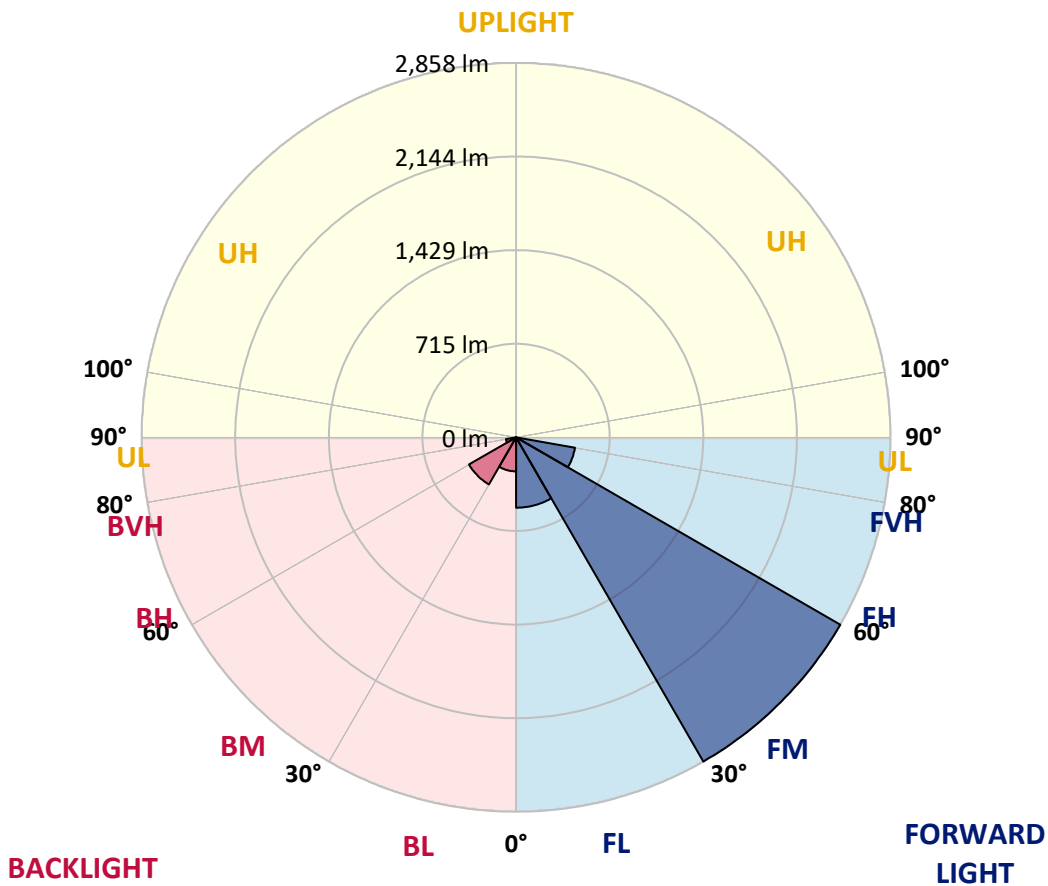
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	537.3	11.7			
FM (30°-60°)	2858.1	62.1			
FH (60°-80°)	456.7	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	259.5	5.6	B1/500		
BM (30°-60°)	414.5	9.0	B1/1000		
BH (60°-80°)	78.1	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°	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9
2.5°	857.9	866.8	864.0	858.5	855.2	843.5	836.3	815.1	800.1	798.5	784.6
5°	966.3	964.6	962.4	955.7	950.2	931.8	910.2	874.6	842.9	839.0	809.6
7.5°	1025.7	1026.9	1028.0	1026.9	1023.0	1009.1	985.2	943.5	895.2	891.8	845.2
10°	1050.2	1052.4	1058.0	1068.5	1078.0	1076.9	1063.0	1020.2	960.7	955.2	892.4
12.5°	1061.9	1064.6	1073.5	1093.5	1119.1	1139.1	1141.3	1103.0	1037.4	1028.5	948.5
15°	1078.0	1080.8	1091.9	1118.0	1155.2	1194.7	1220.2	1195.8	1122.4	1113.0	1010.2
17.5°	1085.2	1089.1	1105.2	1139.7	1188.0	1248.6	1306.3	1304.1	1223.0	1215.8	1081.9
20°	1099.1	1101.9	1116.3	1153.5	1211.9	1299.1	1396.4	1431.4	1345.8	1335.2	1168.5
22.5°	1143.0	1144.1	1150.8	1174.1	1228.6	1335.8	1488.0	1579.7	1490.8	1476.9	1265.8
25°	1214.7	1214.1	1216.9	1220.8	1260.8	1373.0	1576.4	1747.0	1657.0	1642.0	1375.8
27.5°	1305.8	1305.8	1312.5	1301.3	1317.5	1419.1	1663.6	1939.2	1850.3	1829.2	1496.4
30°	1413.0	1412.5	1428.0	1410.3	1415.3	1491.9	1757.5	2148.7	2083.7	2057.6	1635.3
32.5°	1558.6	1555.3	1573.1	1548.6	1531.9	1602.0	1872.0	2367.6	2363.2	2323.2	1809.8
35°	1742.5	1737.0	1742.5	1718.6	1688.6	1755.9	2022.0	2586.0	2673.3	2631.0	2017.6
37.5°	1925.3	1943.1	1949.2	1908.1	1883.7	1950.9	2202.6	2781.6	2969.4	2925.5	2233.7
40°	2140.9	2135.4	2156.5	2110.4	2094.8	2169.3	2379.3	2927.2	3203.9	3162.2	2426.0
42.5°	2299.9	2309.9	2336.0	2310.4	2298.2	2368.2	2527.7	3012.2	3366.7	3325.6	2563.2
45°	2490.4	2497.7	2507.7	2486.6	2473.8	2542.7	2634.9	3049.4	3490.6	3446.2	2655.5
47.5°	2696.6	2702.2	2702.2	2658.8	2617.7	2646.0	2706.6	3070.6	3604.5	3561.8	2723.8
50°	2844.4	2847.2	2871.6	2841.1	2751.6	2707.7	2739.4	3091.1	3680.1	3640.1	2746.1
52.5°	2713.3	2709.9	2790.5	2853.8	2877.7	2790.5	2796.1	3121.1	3716.8	3682.3	2763.8
55°	2284.9	2279.3	2392.7	2546.6	2757.2	2868.9	2864.4	3138.9	3757.3	3736.2	2828.3
57.5°	1656.4	1647.0	1804.8	1975.9	2252.1	2554.9	2732.7	3128.9	3775.1	3773.5	2903.3
60°	995.7	988.0	1136.9	1316.9	1530.3	1834.8	2129.8	2802.7	3537.3	3540.6	2708.3
62.5°	612.9	620.1	754.6	846.3	925.7	1017.4	1188.0	1885.3	2620.5	2642.1	1903.1
65°	412.3	417.9	542.3	657.9	657.9	537.9	461.8	901.3	1398.0	1361.4	900.2
67.5°	276.7	282.8	381.2	516.2	535.7	375.1	187.3	268.9	389.5	377.8	222.8
70°	162.8	169.5	253.9	354.0	390.1	261.2	125.0	113.9	110.6	107.2	86.7
72.5°	72.8	75.6	129.5	180.0	164.5	110.0	88.3	91.1	86.1	84.5	70.6
75°	22.2	23.3	33.3	38.9	39.5	39.5	53.3	71.7	67.8	68.3	54.5
77.5°	5.6	5.6	8.9	8.3	4.4	3.9	10.0	16.1	16.7	15.0	11.1
80°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
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°	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9	767.9
2.5°	778.5	764.0	754.6	741.2	731.8	721.8	712.9	705.7	701.8	700.7	701.2
5°	796.3	773.5	751.2	725.7	707.9	691.2	677.9	667.3	662.3	660.7	660.7
7.5°	823.5	791.8	752.4	712.4	682.3	656.2	640.7	629.0	624.6	623.4	620.1
10°	859.0	815.7	750.7	688.5	646.2	619.0	607.9	604.6	606.2	606.8	606.2
12.5°	901.8	840.7	740.1	653.5	607.9	591.2	592.3	601.2	611.2	616.2	617.3
15°	947.4	863.5	716.2	611.8	575.1	574.5	590.7	611.2	630.7	639.0	641.2
17.5°	998.5	881.8	679.6	567.3	546.8	562.9	591.8	623.4	649.6	663.5	666.2
20°	1054.6	896.8	632.9	525.7	521.8	550.7	590.7	629.6	661.8	677.3	680.1
22.5°	1113.0	907.4	579.0	487.3	499.0	536.8	580.1	617.9	648.5	666.2	668.5
25°	1179.7	908.5	524.0	455.1	477.9	517.9	554.5	585.7	611.2	626.8	628.4
27.5°	1238.0	895.2	475.1	429.0	458.4	494.5	519.0	536.2	554.0	562.9	563.4
30°	1305.2	871.8	429.0	407.9	438.4	465.6	477.9	481.8	483.4	485.1	482.9
32.5°	1385.3	843.5	394.5	387.3	415.6	434.0	437.3	429.5	420.1	406.7	403.4
35°	1483.6	817.9	366.2	367.3	390.6	401.7	399.0	382.3	364.0	347.8	345.1
37.5°	1590.3	796.3	344.5	347.8	363.4	371.2	362.8	344.5	336.2	322.3	322.8
40°	1684.7	778.5	325.1	328.4	335.6	342.8	329.5	317.3	332.8	331.7	332.8
42.5°	1752.0	763.5	308.4	306.7	311.7	316.7	306.7	300.6	326.7	319.5	323.4
45°	1791.4	749.6	294.5	284.5	292.3	301.2	294.5	286.7	295.6	262.3	259.5
47.5°	1818.1	741.8	282.3	262.8	276.7	292.3	278.4	259.5	246.7	217.8	215.6
50°	1820.9	737.9	267.8	240.6	258.4	275.0	258.9	232.8	214.5	201.7	200.0
52.5°	1835.3	745.7	247.8	212.3	231.7	258.4	247.3	221.2	196.1	185.0	182.8
55°	1899.8	778.5	214.5	173.4	201.7	245.6	237.8	197.3	173.4	166.7	165.0
57.5°	1966.5	785.1	168.9	137.2	175.6	227.3	217.3	181.7	158.4	150.6	148.9
60°	1798.1	646.8	126.7	113.4	155.0	210.0	201.1	172.3	145.0	135.6	133.9
62.5°	1181.3	349.5	100.6	96.1	130.6	177.8	183.4	155.6	129.5	119.5	118.9
65°	544.5	162.3	77.2	76.1	102.2	141.7	157.8	136.1	109.5	100.6	100.6
67.5°	148.4	80.6	60.6	56.1	69.5	95.0	115.0	101.7	77.8	67.2	66.7
70°	73.9	65.0	54.5	48.3	50.0	58.9	67.8	56.7	39.5	32.2	31.7
72.5°	60.6	53.3	46.1	41.1	37.8	36.1	35.0	28.3	18.3	13.9	13.3
75°	45.0	38.3	32.8	26.7	22.8	21.1	18.9	13.9	7.8	4.4	3.9
77.5°	10.0	9.4	8.9	6.7	6.1	5.0	3.9	2.8	1.1	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	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)