

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: P629432

Luminaire Tested: GWS-SA1B-750-U-T4FT-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-T4FT-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

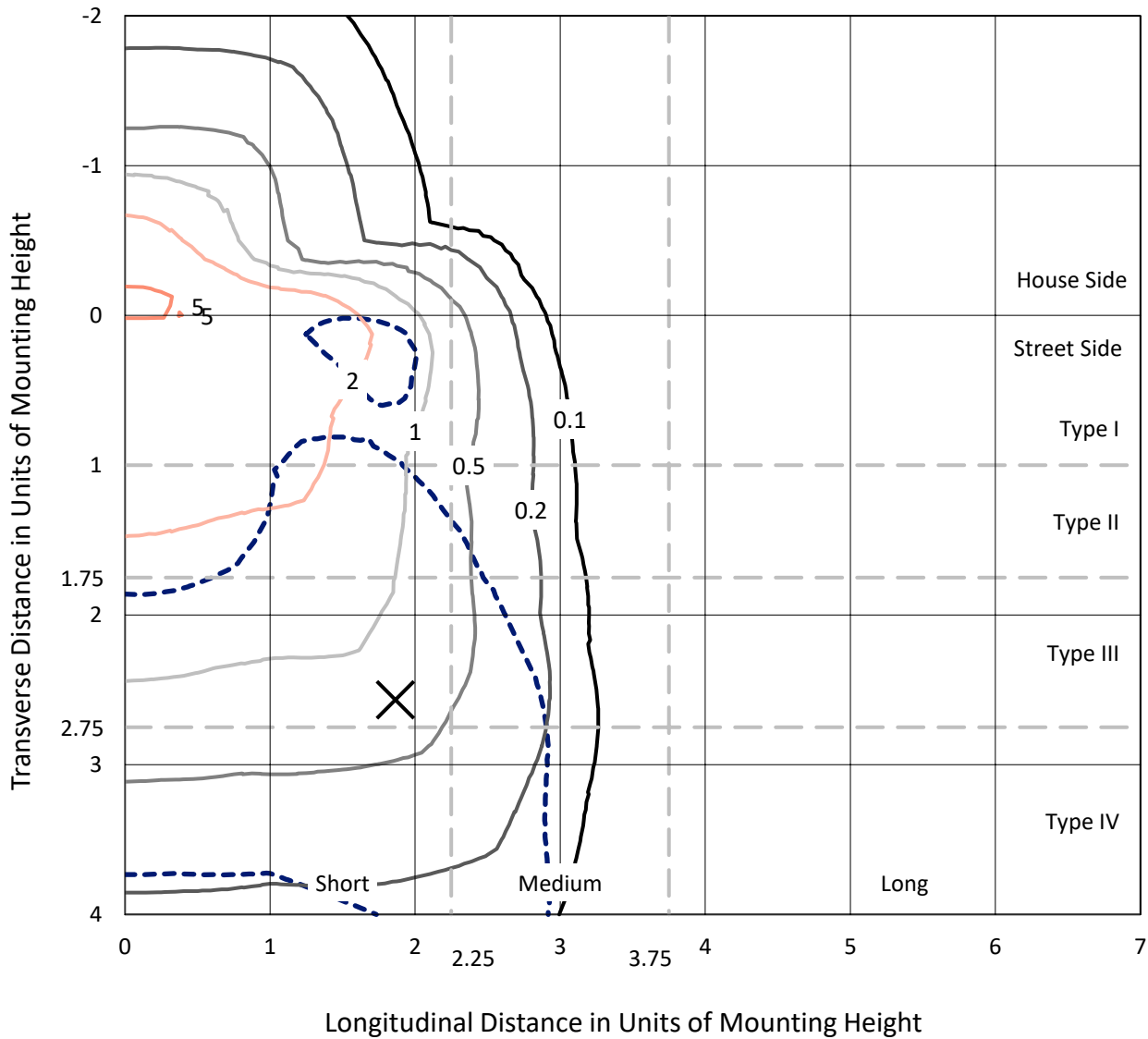
Lumens per Lamp: N/A  
Luminaire Lumens: 3541.2 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

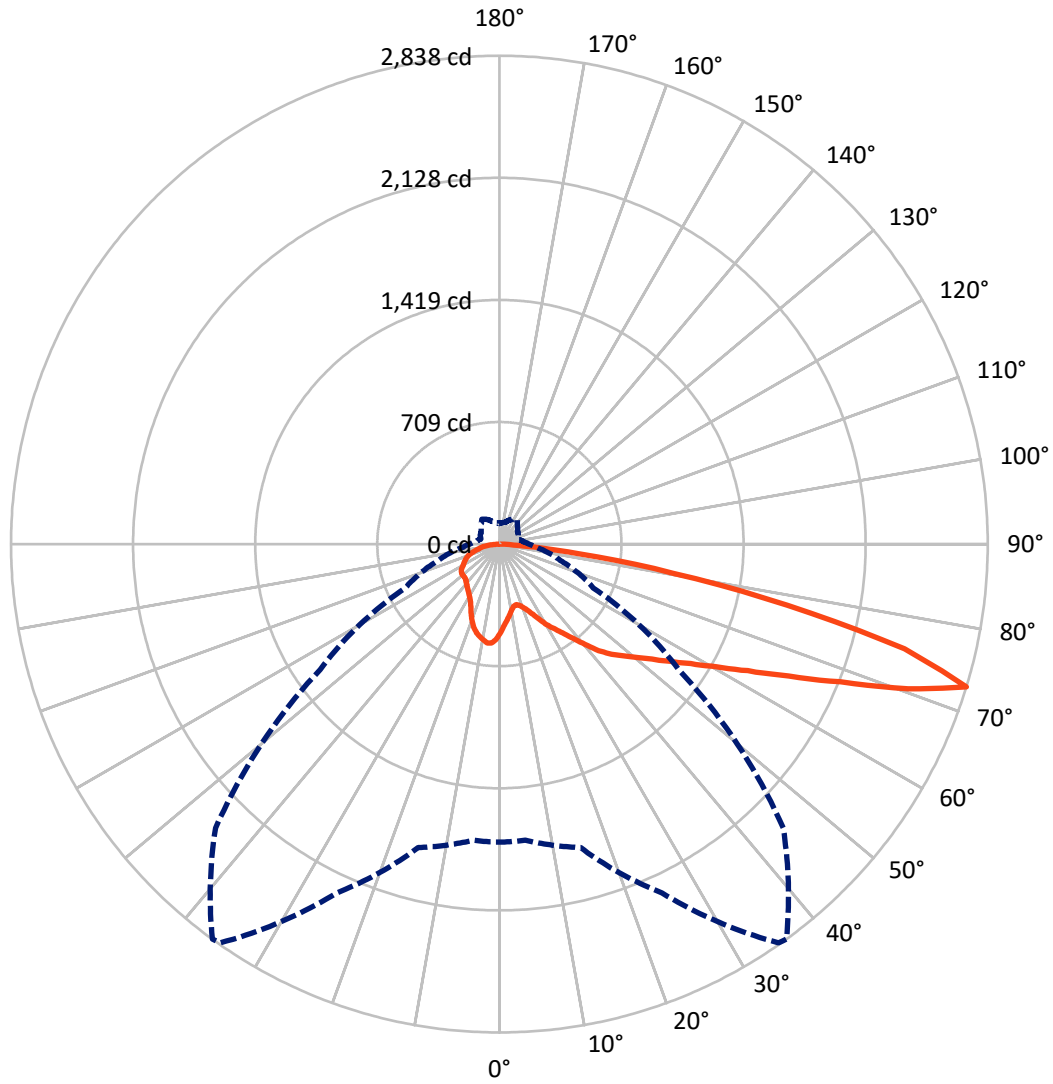
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	816.4	0.0	816.4
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	2724.8	0.0	2724.8
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	3541.2	0.0	3541.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.4	1.4
10°-20°	136.7	3.9
20°-30°	226.4	6.4
30°-40°	339.0	9.6
40°-50°	494.6	14.0
50°-60°	703.9	19.9
60°-70°	889.3	25.1
70°-80°	633.7	17.9
80°-90°	69.2	2.0
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°	3541.2	100.0
0°-180°	3541.2	100.0

**Coefficient of Utilization**



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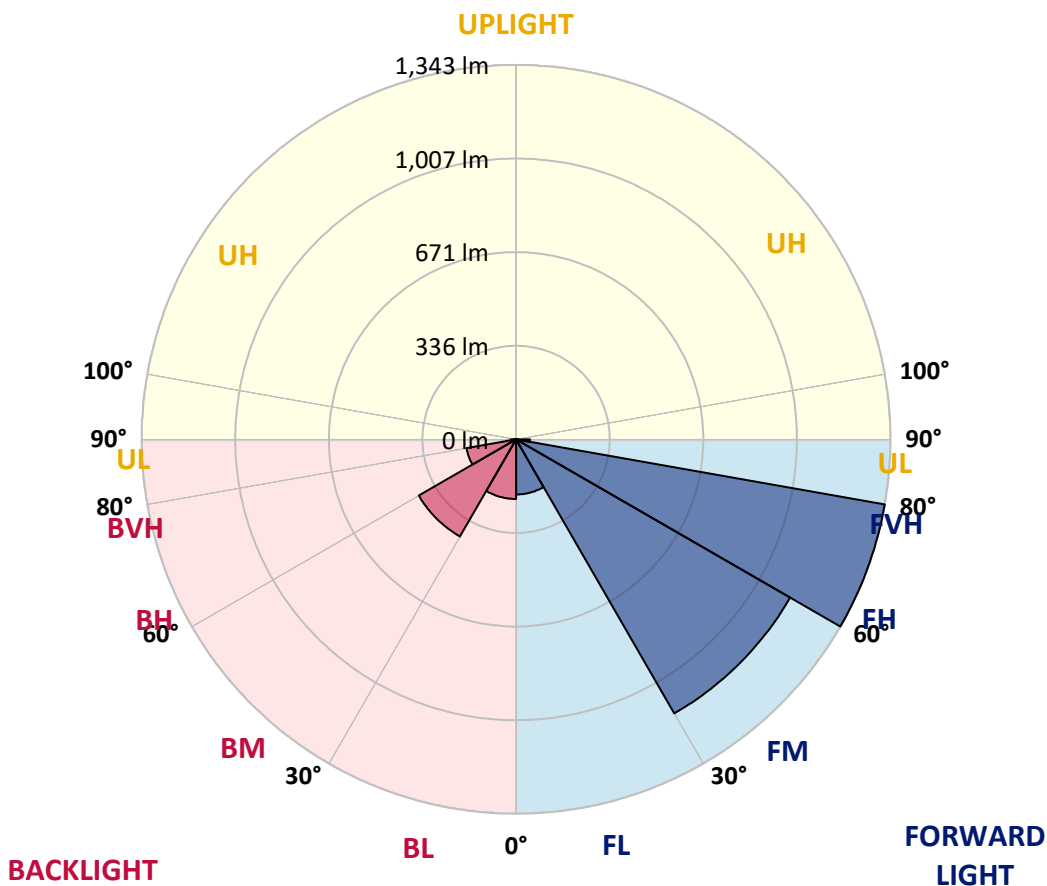
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.7	5.6			
FM (30°-60°)	1134.9	32.0			
FH (60°-80°)	1342.6	37.9			G1/1800
FVH (80°-90°)	49.7	1.4			G1/100
BL (0°-30°)	213.8	6.0	B1/500		
BM (30°-60°)	402.6	11.4	B1/1000		
BH (60°-80°)	180.5	5.1	B1/500		G1/500
BVH (80°-90°)	19.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	518.3	518.3	518.3	518.3	518.3	518.3	518.3	518.3	518.3	518.3	518.3
2.5°	472.8	472.0	470.4	475.2	479.9	479.4	485.9	492.3	499.1	506.2	515.6
5°	435.0	434.4	433.1	440.2	447.3	447.0	457.8	468.1	482.0	497.2	516.2
7.5°	397.1	395.8	397.6	406.6	416.6	417.6	432.3	449.2	469.4	492.3	519.1
10°	363.7	363.5	364.3	374.2	389.2	390.3	409.2	432.6	459.4	489.9	525.6
12.5°	355.1	354.5	352.4	357.4	368.7	370.3	391.1	419.7	452.6	491.2	534.6
15°	369.3	367.9	360.6	358.2	363.7	365.0	382.7	412.1	448.6	493.6	545.9
17.5°	393.7	392.9	379.0	369.3	372.9	374.0	387.1	410.8	447.6	498.3	559.8
20°	429.4	426.0	404.2	389.5	389.5	391.1	399.0	416.6	448.9	504.1	575.6
22.5°	476.7	469.9	439.2	419.2	413.9	416.0	419.5	431.0	454.4	513.8	595.3
25°	529.8	523.5	487.0	458.9	451.5	452.3	449.4	451.5	466.5	527.2	619.7
27.5°	586.3	582.1	543.2	507.5	495.9	495.9	485.7	480.7	483.3	542.4	647.0
30°	636.8	631.0	598.2	559.0	543.8	543.8	524.3	513.5	507.2	561.1	683.6
32.5°	663.3	659.9	638.1	608.2	589.5	586.6	569.8	557.2	542.4	588.7	733.0
35°	698.0	697.2	684.1	660.7	637.1	632.9	621.3	611.3	585.8	623.1	798.7
37.5°	741.7	740.3	738.2	724.3	695.9	695.1	684.9	672.8	639.7	672.8	878.3
40°	790.5	788.2	785.6	785.3	768.2	765.3	764.5	750.9	704.6	732.7	961.4
42.5°	857.8	849.7	825.0	836.0	848.6	846.0	856.0	835.5	785.6	804.0	1040.0
45°	940.6	920.6	871.8	874.9	906.7	912.0	946.7	941.7	874.6	886.2	1122.7
47.5°	990.3	972.9	927.5	924.8	964.5	971.1	1046.5	1056.0	970.6	985.3	1225.0
50°	1031.0	1018.9	981.6	985.3	1027.3	1033.9	1145.6	1165.8	1061.0	1086.7	1343.8
52.5°	1080.2	1062.8	1033.9	1051.3	1102.8	1110.7	1255.7	1277.5	1142.5	1198.2	1466.8
55°	1107.8	1100.7	1101.2	1127.7	1192.4	1203.2	1371.1	1367.4	1217.1	1293.6	1559.3
57.5°	1171.4	1168.7	1192.9	1202.9	1297.0	1310.9	1486.5	1454.9	1284.9	1367.4	1603.7
60°	1283.6	1277.0	1298.0	1313.3	1426.3	1446.0	1615.3	1540.6	1330.9	1422.4	1588.7
62.5°	1441.3	1433.1	1433.9	1458.1	1599.5	1620.3	1758.5	1612.1	1345.1	1430.8	1493.8
65°	1637.3	1625.5	1612.1	1645.0	1829.5	1846.8	1914.3	1664.1	1311.2	1349.8	1295.7
67.5°	1844.2	1834.4	1818.7	1887.5	2127.2	2137.7	2089.1	1659.7	1203.7	1133.3	908.8
70°	1856.3	1858.6	1933.3	2182.4	2515.9	2518.6	2254.4	1569.8	974.8	734.6	452.8
72.5°	1731.7	1727.7	1825.0	2236.3	2828.7	2837.6	2332.5	1271.8	602.4	366.4	212.4
75°	1406.6	1413.4	1515.7	1956.7	2424.5	2432.3	1901.5	749.8	286.2	179.2	135.9
77.5°	605.5	643.6	845.2	1378.5	1736.4	1712.0	980.0	303.8	152.7	127.7	104.1
80°	174.8	189.8	301.2	655.5	1040.5	1022.1	387.9	113.8	106.4	95.9	74.6
82.5°	56.5	62.5	110.4	261.0	466.2	465.7	147.2	67.3	69.6	65.2	48.1
85°	15.8	18.1	33.9	79.1	144.3	141.4	42.6	31.8	37.1	37.6	23.9
87.5°	0.0	0.0	0.3	0.5	0.5	0.5	1.1	4.7	10.8	13.7	9.7
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°	518.3	518.3	518.3	518.3	518.3	518.3	518.3	518.3	518.3	518.3	518.3
2.5°	521.4	520.6	531.4	539.8	547.7	553.0	554.5	555.6	557.7	558.7	557.7
5°	525.1	529.0	546.9	560.1	570.6	576.9	577.1	576.6	578.2	576.9	576.1
7.5°	533.0	540.6	563.2	577.1	584.0	584.2	577.9	570.6	566.9	563.7	562.7
10°	543.5	554.8	579.5	588.7	586.6	576.9	562.9	551.4	544.8	540.1	539.0
12.5°	558.0	570.6	594.0	593.7	580.6	563.2	546.9	533.0	523.5	518.0	516.2
15°	571.6	587.7	604.5	592.1	571.4	550.3	529.3	510.6	498.0	489.4	487.8
17.5°	588.4	605.5	612.1	587.1	559.8	532.7	504.6	480.2	463.1	452.8	452.0
20°	607.9	623.1	615.8	578.5	544.8	509.3	471.2	443.9	425.5	415.5	416.3
22.5°	630.5	641.5	616.8	566.6	524.1	476.2	433.6	407.4	395.0	389.8	390.0
25°	654.7	661.8	615.0	550.6	492.3	435.7	395.0	382.9	381.9	380.6	381.1
27.5°	683.3	681.7	609.5	528.0	449.4	388.7	367.9	371.1	375.3	374.8	375.3
30°	721.7	706.7	602.4	496.7	398.4	349.3	351.9	360.8	366.4	366.9	368.5
32.5°	765.6	734.3	591.1	454.1	349.8	327.2	336.9	347.7	354.3	355.6	357.7
35°	817.9	765.8	571.1	401.1	314.9	314.1	323.0	330.4	337.5	338.0	338.0
37.5°	878.1	797.4	539.3	342.4	293.3	302.8	311.2	312.7	314.6	313.0	313.8
40°	933.3	827.9	494.1	289.1	275.7	292.8	299.9	294.6	288.8	284.9	285.7
42.5°	979.5	848.6	434.2	251.8	257.8	283.8	289.4	278.6	267.3	259.9	261.0
45°	1031.5	867.8	363.7	226.5	242.6	277.5	281.2	267.3	252.8	241.8	240.2
47.5°	1103.3	907.0	301.2	208.9	231.8	274.1	280.2	261.2	242.3	225.8	223.9
50°	1191.9	962.4	248.9	197.4	226.8	272.3	279.9	254.7	232.1	212.6	211.3
52.5°	1288.6	1016.6	210.3	188.4	221.8	266.8	278.6	247.3	221.3	200.3	198.7
55°	1353.0	1037.9	184.2	180.0	213.7	258.1	273.3	240.2	205.0	185.8	183.4
57.5°	1371.9	1010.5	166.1	172.4	203.2	246.0	263.3	225.2	195.0	179.8	177.9
60°	1339.3	941.7	154.8	166.1	191.6	230.5	246.0	216.6	187.1	173.5	172.1
62.5°	1247.3	835.5	146.1	159.5	179.8	214.2	235.0	206.0	178.5	167.7	165.8
65°	1062.3	685.2	139.0	152.7	168.5	198.7	222.9	195.5	169.0	160.8	158.7
67.5°	743.0	481.2	131.4	144.5	157.2	183.7	210.3	185.8	159.3	153.2	151.1
70°	363.2	255.2	122.2	135.1	145.1	168.5	197.6	174.0	146.4	143.0	140.1
72.5°	172.9	142.7	111.4	122.2	128.5	148.2	176.6	156.9	131.1	123.8	118.8
75°	115.9	101.4	97.2	107.0	108.5	124.3	151.4	135.3	115.6	107.2	103.0
77.5°	87.8	77.5	81.7	90.4	87.3	102.2	124.6	120.6	104.3	96.7	94.6
80°	61.8	56.5	64.9	70.2	67.8	87.0	112.2	103.3	85.9	77.5	76.0
82.5°	38.9	37.8	47.8	48.6	49.4	68.9	92.2	81.2	66.8	54.9	51.0
85°	19.4	21.6	28.6	28.6	28.4	35.5	52.6	45.7	36.0	28.6	27.9
87.5°	6.6	9.2	12.4	10.0	7.6	6.0	6.8	8.4	8.9	8.7	8.7
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)