

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: P629403

Luminaire Tested: GWS-SA1B-750-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

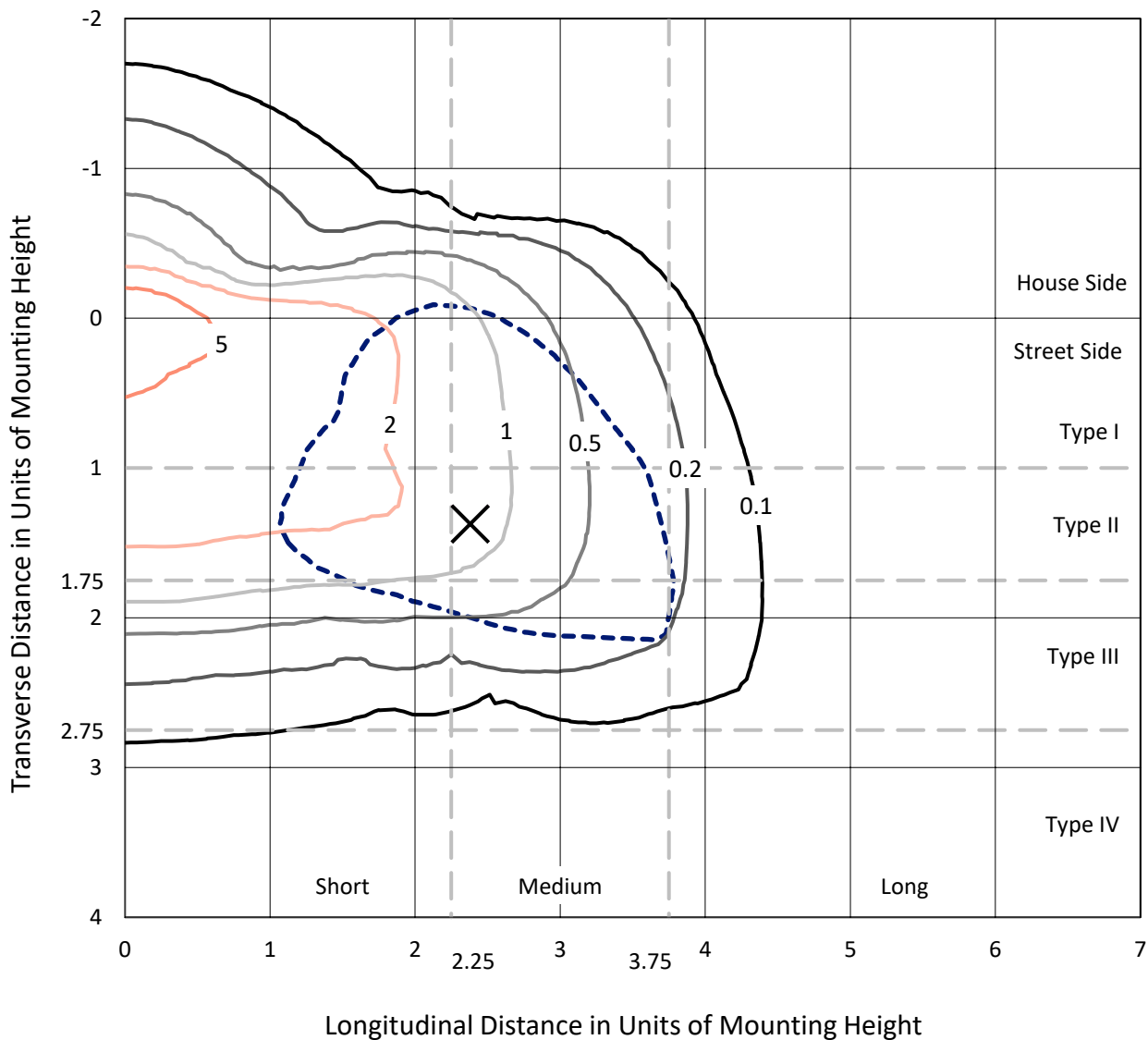
Lumens per Lamp: N/A  
Luminaire Lumens: 3592.2 lumens  
Efficiency: N/A  
Efficacy: 143.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

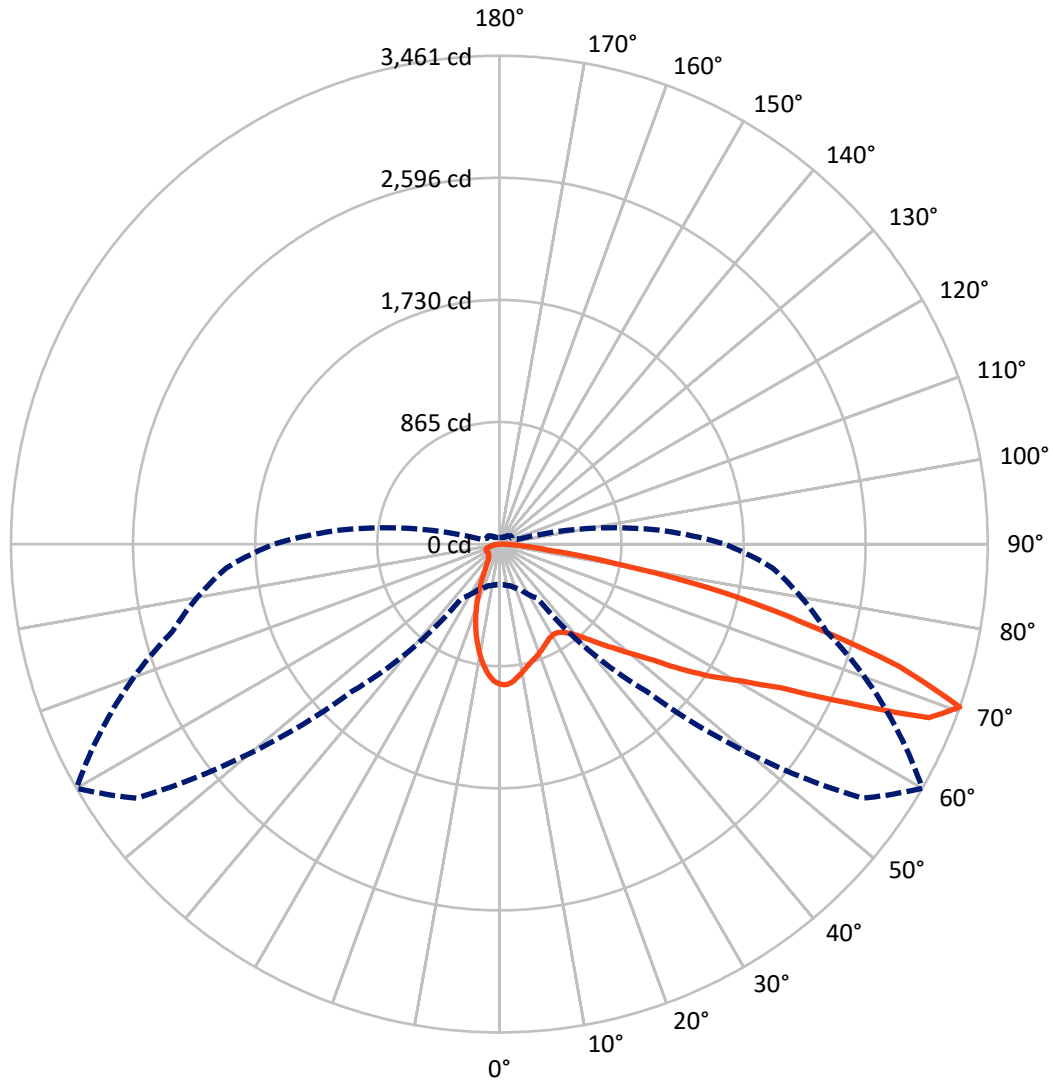
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	614.4	0.0	614.4
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	2977.9	0.0	2977.9
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	3592.2	0.0	3592.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.7	2.4
10°-20°	191.9	5.3
20°-30°	245.8	6.8
30°-40°	323.1	9.0
40°-50°	468.7	13.0
50°-60°	731.3	20.4
60°-70°	957.4	26.7
70°-80°	529.4	14.7
80°-90°	58.8	1.6
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°	3592.2	100.0
0°-180°	3592.2	100.0

**Coefficient of Utilization**



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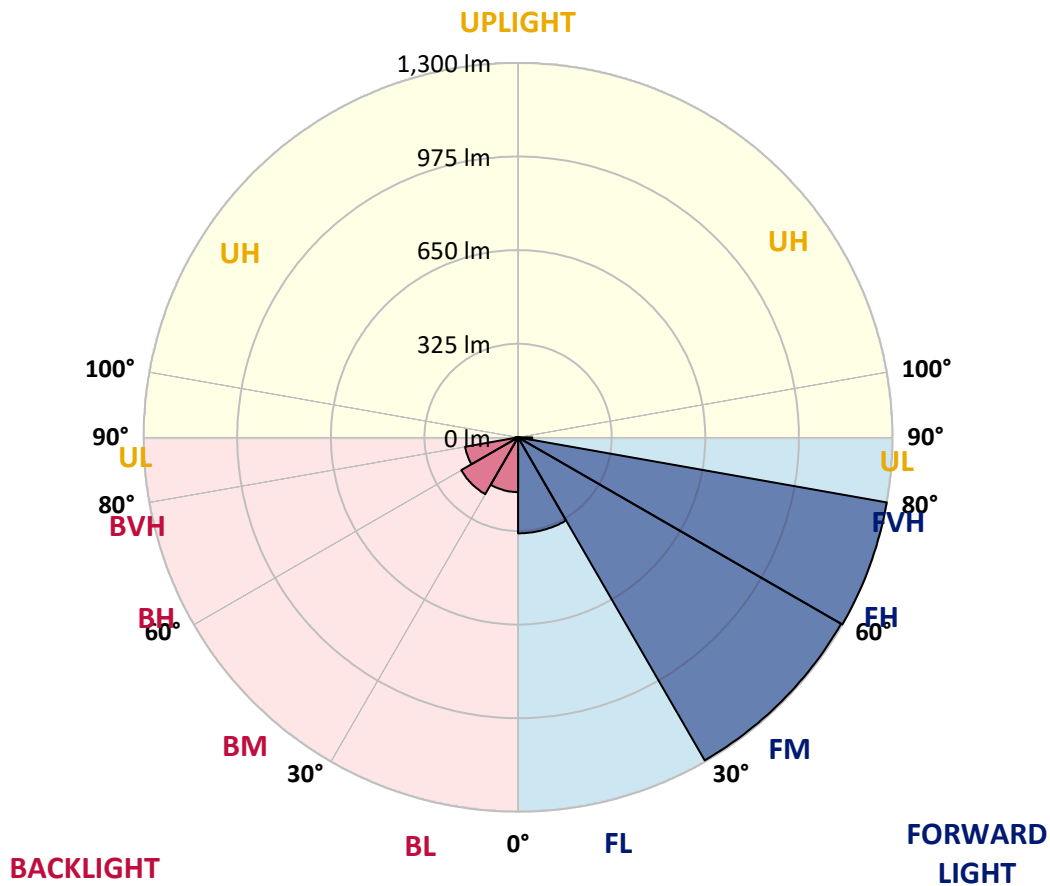
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.4	9.3			
FM (30°-60°)	1295.3	36.1			
FH (60°-80°)	1300.2	36.2			G1/1800
FVH (80°-90°)	49.0	1.4			G1/100
BL (0°-30°)	190.1	5.3	B1/500		
BM (30°-60°)	227.8	6.3	B1/1000		
BH (60°-80°)	186.7	5.2	B1/500		G1/500
BVH (80°-90°)	9.8	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	994.0	994.0	994.0	994.0	994.0	994.0	994.0	994.0	994.0	994.0	994.0
2.5°	980.1	981.1	984.0	988.2	992.4	994.5	999.8	998.2	997.2	995.1	992.4
5°	936.7	938.8	941.4	949.6	958.8	966.1	978.0	979.3	979.8	980.9	976.7
7.5°	881.5	882.0	888.4	899.1	911.2	923.8	943.5	949.1	953.8	959.1	955.6
10°	820.5	821.9	826.6	842.1	862.9	881.5	908.1	917.3	927.3	938.8	934.1
12.5°	770.6	770.9	778.5	795.0	817.7	842.9	876.0	887.0	900.2	918.3	914.1
15°	730.9	730.9	738.0	752.2	778.2	807.9	847.4	861.5	879.4	903.9	896.5
17.5°	699.4	699.6	704.1	719.1	742.2	775.1	821.9	841.0	860.8	893.1	882.0
20°	682.8	681.5	682.3	691.5	711.2	743.0	796.4	818.7	845.2	885.7	868.9
22.5°	682.0	679.7	676.3	677.0	688.6	714.9	769.0	796.1	829.5	879.7	855.5
25°	695.4	692.8	686.8	679.9	678.9	694.6	743.3	774.0	813.2	877.1	842.6
27.5°	718.0	716.2	708.3	698.1	687.3	686.8	723.8	755.9	801.4	879.7	833.4
30°	748.0	744.8	739.9	726.7	710.4	693.6	716.2	746.2	793.5	888.1	829.5
32.5°	781.9	780.1	775.3	762.2	744.8	718.0	722.2	748.3	793.5	902.8	830.3
35°	817.9	817.7	817.7	809.0	789.8	756.4	746.2	766.1	805.6	926.5	838.7
37.5°	852.9	852.6	861.0	864.2	842.4	806.4	786.9	801.9	832.1	961.4	859.4
40°	881.3	882.3	900.7	916.5	904.4	871.0	843.7	851.3	875.2	1011.1	895.7
42.5°	909.9	912.8	940.4	968.3	973.0	944.1	916.5	920.9	937.0	1076.8	949.9
45°	941.2	942.5	981.1	1020.0	1042.9	1025.8	1003.2	1009.3	1012.9	1158.0	1030.5
47.5°	971.4	974.8	1024.8	1078.1	1121.5	1119.9	1107.3	1105.4	1106.2	1256.8	1125.9
50°	1012.7	1017.7	1076.3	1140.7	1204.3	1233.4	1237.1	1223.2	1217.4	1366.7	1244.7
52.5°	1091.0	1091.0	1143.6	1206.9	1292.3	1364.6	1389.3	1366.4	1348.0	1482.9	1370.9
55°	1189.0	1193.2	1235.0	1286.3	1394.6	1502.6	1586.2	1560.9	1508.9	1609.3	1503.1
57.5°	1232.7	1237.9	1304.1	1383.8	1528.3	1659.5	1775.4	1766.5	1690.5	1740.7	1640.3
60°	1153.8	1164.8	1256.0	1389.6	1649.5	1912.6	1994.3	1968.3	1859.8	1878.7	1789.1
62.5°	962.5	974.6	1075.7	1262.1	1632.7	2186.2	2339.4	2243.5	2071.1	2052.9	1987.2
65°	574.3	573.7	695.4	942.5	1425.3	2262.1	2885.6	2706.6	2397.5	2292.1	2191.2
67.5°	365.1	364.3	389.8	499.4	948.5	2076.1	3236.7	3283.2	2840.9	2467.9	2208.0
70°	288.1	287.8	306.2	356.1	469.1	1477.3	3138.9	3460.9	3108.7	2400.9	1944.1
72.5°	210.0	210.5	238.9	298.3	361.9	741.7	2541.8	2961.3	2859.3	2119.4	1578.3
75°	150.9	151.7	168.7	228.4	333.8	405.5	1690.2	2226.7	2175.4	1698.9	1085.7
77.5°	95.9	97.0	112.0	160.1	269.7	327.5	1024.8	1572.0	1447.4	957.2	386.1
80°	58.6	62.0	74.6	119.3	215.5	245.7	512.2	828.2	724.9	262.6	129.8
82.5°	30.2	32.9	44.9	73.9	148.5	215.8	289.9	348.0	224.5	109.9	69.1
85°	9.5	11.0	15.8	30.0	70.7	133.8	191.9	172.9	103.0	51.8	32.1
87.5°	2.4	2.4	2.6	2.6	2.9	6.0	37.1	39.2	27.3	16.3	13.1
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°	994.0	994.0	994.0	994.0	994.0	994.0	994.0	994.0	994.0	994.0	994.0
2.5°	987.2	980.9	978.2	978.0	971.4	961.9	955.6	951.2	948.5	948.0	948.0
5°	969.6	961.4	950.6	942.5	924.9	907.0	892.0	883.6	873.9	872.6	872.3
7.5°	946.2	934.3	913.8	891.0	860.2	830.5	805.3	788.2	771.1	768.0	766.9
10°	920.9	904.9	870.0	829.7	783.7	739.3	700.7	670.5	650.5	636.3	633.7
12.5°	896.0	874.7	823.4	763.5	700.4	639.7	581.6	532.2	496.5	475.7	472.0
15°	872.6	842.9	772.7	696.2	614.2	531.2	448.9	384.8	334.6	316.7	312.5
17.5°	851.3	814.2	723.6	626.6	524.3	415.8	322.2	265.2	235.8	226.8	224.7
20°	830.0	784.8	673.6	553.2	428.9	307.2	235.5	208.7	197.6	194.2	193.2
22.5°	807.1	752.5	619.2	481.0	332.5	230.0	192.7	180.8	177.4	177.7	177.4
25°	784.3	719.6	562.2	402.4	247.6	186.6	168.2	163.7	164.5	166.9	167.4
27.5°	765.3	690.4	506.2	316.2	193.4	160.6	151.9	151.7	154.5	157.7	158.2
30°	751.7	664.4	451.0	243.1	159.3	142.7	139.3	140.9	144.3	146.7	147.4
32.5°	742.0	642.1	392.1	191.1	139.6	130.1	128.5	130.1	132.2	134.6	135.1
35°	738.5	625.8	334.3	155.9	126.2	120.9	119.8	120.6	121.7	123.0	123.5
37.5°	746.2	617.6	273.9	135.6	118.0	114.9	113.3	112.8	113.0	113.5	113.8
40°	768.8	621.3	224.5	123.8	112.8	109.9	107.2	106.2	105.9	106.4	106.2
42.5°	807.7	636.8	188.7	117.0	108.5	104.3	101.5	100.4	100.4	101.7	101.7
45°	864.7	667.3	163.0	112.0	104.9	99.6	96.5	95.9	97.0	99.1	99.3
47.5°	948.3	712.0	147.4	108.3	101.5	95.4	92.3	92.0	94.1	97.5	97.8
50°	1047.4	776.4	139.0	105.7	99.1	92.0	88.8	89.1	91.5	95.1	95.9
52.5°	1166.7	864.2	139.6	104.6	97.8	89.9	86.7	86.2	88.6	92.3	93.0
55°	1290.0	970.9	149.8	104.9	95.9	88.8	84.6	82.8	84.9	87.5	87.8
57.5°	1425.6	1091.3	175.3	104.3	93.6	87.8	82.8	78.6	79.9	81.5	82.3
60°	1578.5	1232.9	230.2	105.4	92.5	85.4	79.1	73.6	73.3	74.4	74.6
62.5°	1783.0	1425.6	292.0	107.2	94.9	82.5	73.6	67.8	66.8	67.3	67.5
65°	1939.4	1517.6	272.6	105.7	99.9	80.4	68.3	62.3	60.2	59.7	59.7
67.5°	1875.8	1395.9	189.8	101.5	102.2	80.7	64.1	56.5	53.9	52.6	52.3
70°	1596.1	1133.8	131.9	97.2	99.6	80.2	59.7	51.8	48.4	46.5	46.3
72.5°	1261.0	865.7	106.7	88.8	90.4	72.3	53.1	46.5	43.6	41.3	41.3
75°	811.6	528.3	89.1	79.1	73.9	56.2	46.0	41.5	38.6	36.3	36.3
77.5°	273.1	196.1	69.1	67.0	55.2	42.3	38.6	35.7	33.4	31.3	31.0
80°	110.9	93.0	50.7	50.7	38.6	32.3	30.2	28.9	27.3	24.7	24.7
82.5°	64.4	56.5	35.5	30.8	25.8	22.3	21.0	19.7	19.7	17.9	17.9
85°	31.0	31.3	21.3	18.9	14.7	12.9	12.4	11.6	11.3	10.3	10.0
87.5°	16.8	17.1	10.8	8.4	5.8	5.0	4.2	3.9	3.7	3.4	3.4
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)