

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: P629650

Luminaire Tested: GWS-SA1C-722-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

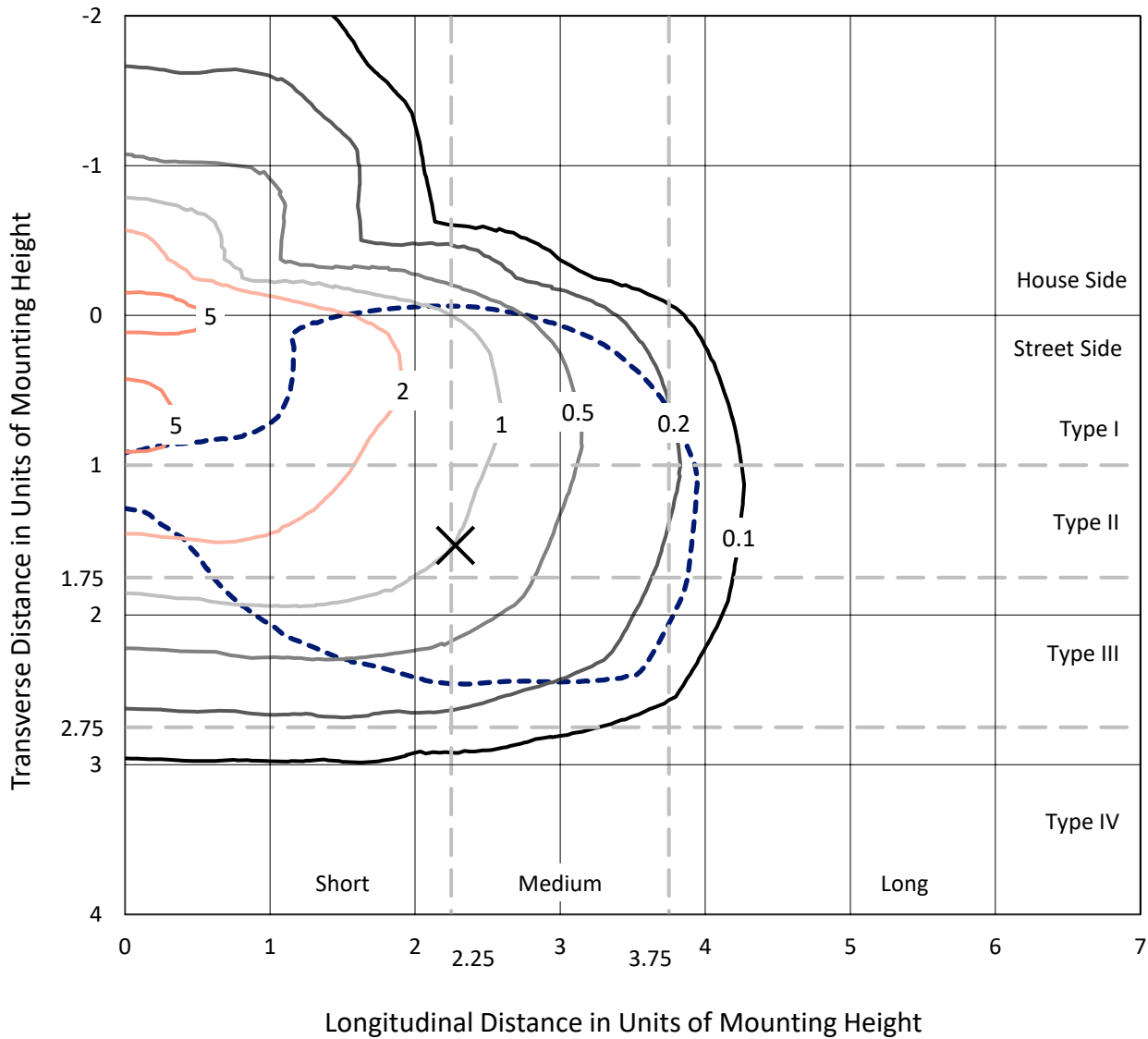
Lumens per Lamp: N/A  
Luminaire Lumens: 3599.2 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

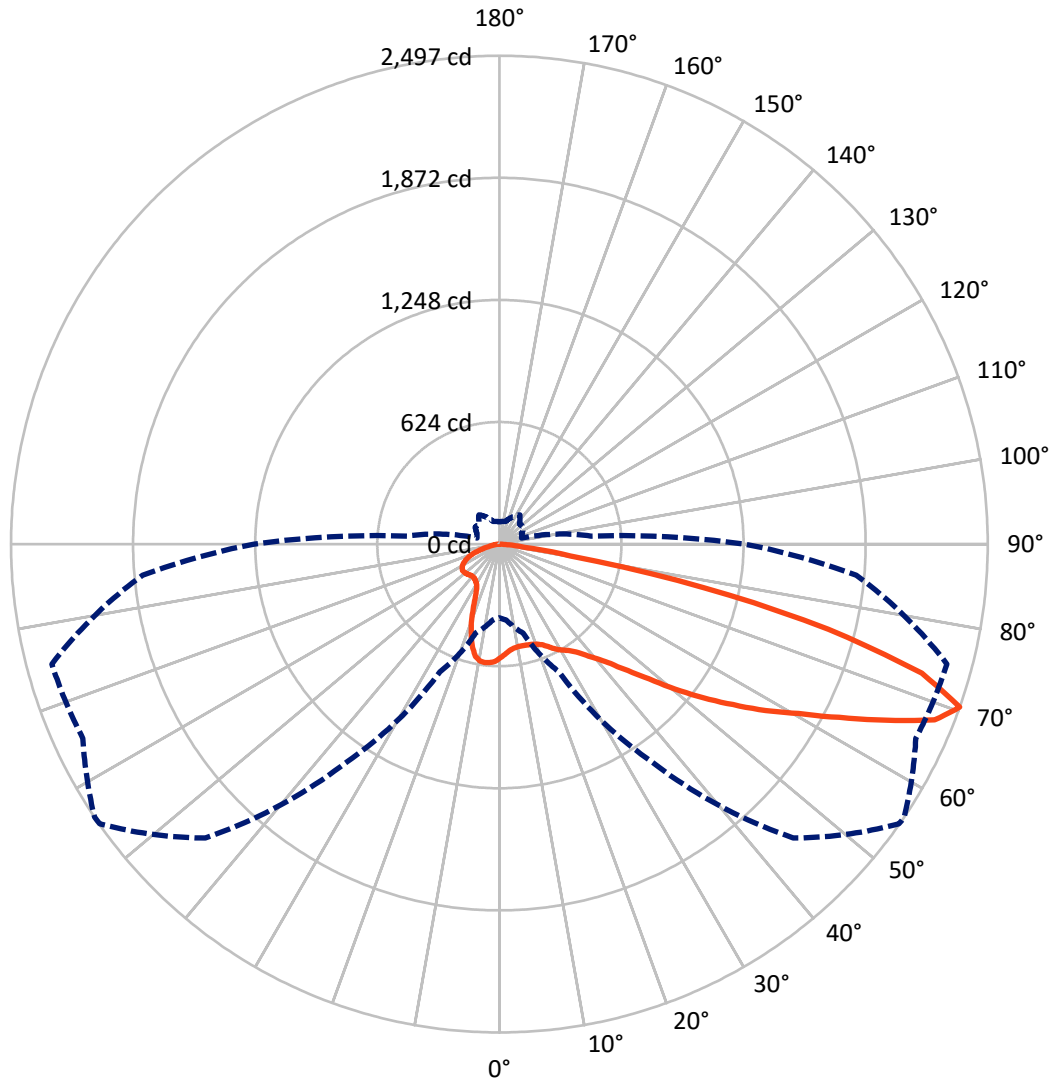
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	691.9	0.0	691.9
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	2907.3	0.0	2907.3
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	3599.2	0.0	3599.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.8	1.5
10°-20°	145.7	4.0
20°-30°	240.8	6.7
30°-40°	360.1	10.0
40°-50°	535.8	14.9
50°-60°	761.8	21.2
60°-70°	943.5	26.2
70°-80°	521.0	14.5
80°-90°	36.7	1.0
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°	3599.2	100.0
0°-180°	3599.2	100.0

**Coefficient of Utilization**



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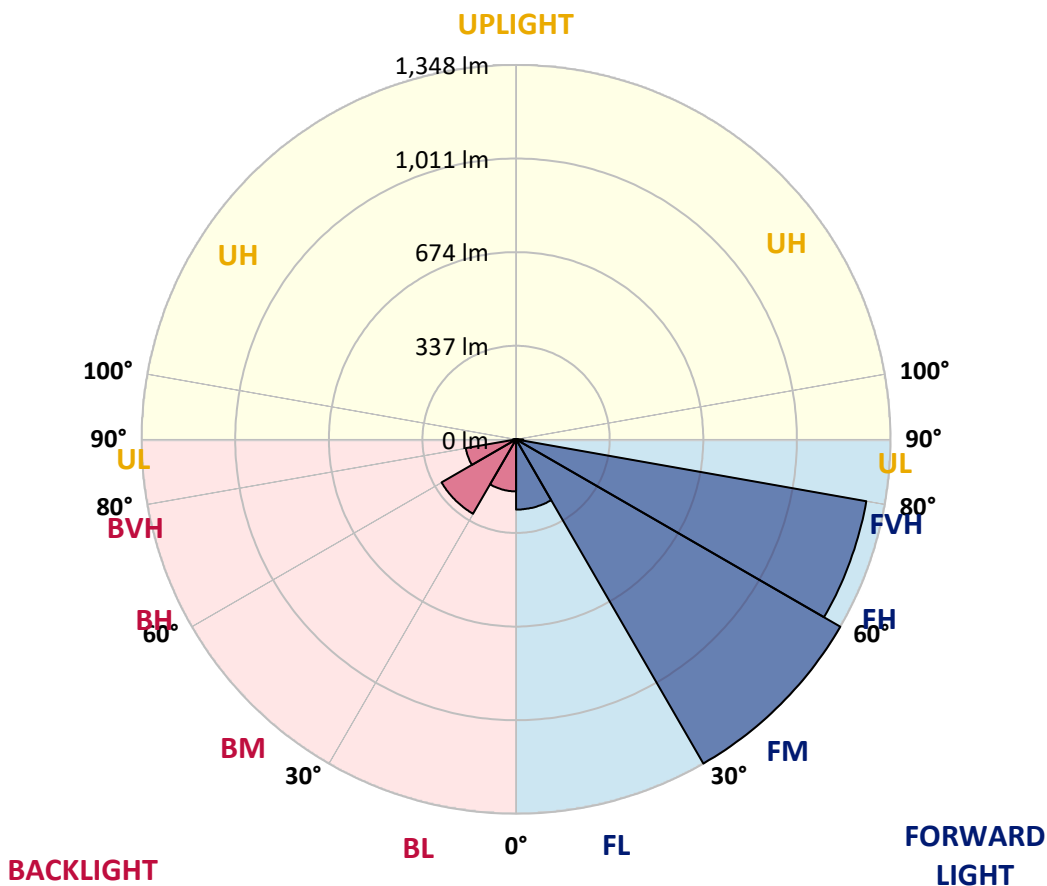
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.9	7.0			
FM (30°-60°)	1348.2	37.5			
FH (60°-80°)	1280.6	35.6			G1/1800
FVH (80°-90°)	25.5	0.7			G1/100
BL (0°-30°)	187.3	5.2	B1/500		
BM (30°-60°)	309.5	8.6	B1/1000		
BH (60°-80°)	183.9	5.1	B1/500		G1/500
BVH (80°-90°)	11.2	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
2.5°	543.7	540.6	544.2	545.9	550.5	557.1	562.9	563.2	566.2	573.6	580.7
5°	519.0	517.5	518.5	523.9	528.7	537.1	545.9	546.7	555.3	569.8	584.0
7.5°	500.0	498.0	501.8	508.6	514.7	524.1	535.8	536.8	549.0	570.8	592.6
10°	472.6	471.1	478.2	487.3	500.5	516.0	531.5	532.7	548.7	577.4	607.9
12.5°	460.7	460.7	463.7	472.3	486.8	507.4	530.7	532.7	552.8	587.6	627.4
15°	479.2	480.5	477.9	477.4	483.3	502.8	531.7	534.8	560.4	598.0	646.7
17.5°	516.5	517.8	511.2	500.8	494.9	507.1	535.5	538.8	568.5	609.4	667.5
20°	568.8	570.3	555.8	539.8	519.8	519.5	542.9	545.9	578.9	621.8	689.6
22.5°	630.0	631.0	612.7	587.3	556.6	542.6	555.6	558.6	592.4	639.1	713.5
25°	700.8	703.8	681.7	644.9	603.3	574.4	576.7	580.2	616.5	662.2	741.6
27.5°	776.4	780.2	754.8	714.2	656.9	609.4	603.8	606.9	642.1	676.4	756.6
30°	853.8	856.6	831.2	784.8	714.5	649.0	626.7	628.4	653.3	683.3	771.8
32.5°	939.9	937.6	913.2	859.6	781.0	696.4	648.0	647.5	665.7	697.0	793.7
35°	1020.6	1023.9	998.0	938.8	854.1	755.1	680.0	677.9	692.1	719.3	824.4
37.5°	1118.3	1117.3	1086.3	1022.3	927.4	811.2	724.9	721.3	726.4	754.1	867.3
40°	1188.1	1195.2	1175.1	1115.5	1013.2	880.2	777.4	769.5	770.8	797.0	924.6
42.5°	1245.2	1251.8	1253.8	1215.7	1111.4	965.5	842.9	835.0	835.8	872.8	995.2
45°	1289.1	1298.0	1326.7	1315.5	1222.1	1064.0	931.5	923.4	923.9	965.0	1080.5
47.5°	1307.1	1316.8	1374.9	1401.5	1339.6	1181.7	1041.6	1029.7	1031.5	1076.9	1177.9
50°	1301.3	1314.2	1392.9	1467.8	1438.1	1301.5	1173.4	1165.0	1158.1	1224.1	1283.8
52.5°	1251.0	1265.2	1391.1	1509.9	1518.5	1414.7	1309.4	1304.6	1303.0	1380.5	1402.0
55°	1103.0	1126.9	1330.0	1521.1	1581.5	1521.3	1456.9	1448.7	1456.6	1548.0	1521.6
57.5°	1021.1	1038.8	1210.2	1508.6	1633.0	1622.8	1604.1	1604.8	1613.7	1730.0	1666.5
60°	974.4	995.2	1143.7	1474.6	1682.5	1746.2	1758.1	1758.1	1774.1	1926.1	1813.7
62.5°	912.4	933.5	1081.5	1409.1	1728.2	1891.4	1951.8	1951.0	1957.4	2136.6	1957.6
65°	786.8	806.3	956.6	1305.8	1750.5	2051.3	2171.8	2169.5	2156.9	2323.9	2052.8
67.5°	571.3	589.8	732.7	1109.4	1670.1	2180.2	2398.5	2399.5	2323.6	2441.9	2057.9
70°	376.7	389.3	471.1	720.6	1358.1	2124.6	2493.4	2496.5	2349.2	2368.3	1831.5
72.5°	235.0	243.9	294.2	429.7	802.5	1681.7	2249.8	2258.1	2113.5	2081.2	1504.8
75°	156.1	162.2	195.7	250.5	371.3	910.2	1710.2	1737.1	1693.9	1631.5	1048.5
77.5°	93.9	99.0	124.6	159.1	164.5	355.6	998.2	1067.8	1073.9	851.8	439.1
80°	42.9	48.7	68.8	90.9	87.6	123.9	352.0	368.3	434.5	270.6	138.6
82.5°	25.4	27.9	45.7	45.2	37.3	60.2	126.7	129.9	110.4	99.0	59.1
85°	10.2	11.9	19.3	17.0	13.7	19.5	47.7	50.0	48.0	43.1	21.8
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	4.3	4.6	6.6	11.9	6.6
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°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
2.5°	585.3	583.8	591.4	597.2	599.7	602.3	600.0	599.2	599.2	594.2	591.6
5°	591.6	592.4	602.8	607.6	607.6	605.6	599.5	595.2	593.7	587.1	585.3
7.5°	603.6	606.9	616.5	616.2	609.1	598.0	582.7	571.1	560.4	555.8	553.0
10°	623.1	627.4	634.0	623.4	603.6	574.1	541.9	516.5	501.3	489.1	489.1
12.5°	645.4	649.5	648.2	623.6	582.7	527.7	481.2	452.0	430.7	419.5	419.5
15°	667.8	671.1	657.4	611.9	539.3	466.0	415.2	380.2	361.7	351.3	351.3
17.5°	690.4	690.1	661.2	585.0	482.7	397.7	348.0	320.8	314.5	312.7	312.4
20°	712.2	706.3	656.3	540.1	417.0	328.9	297.5	299.2	308.6	312.7	313.2
22.5°	736.8	722.3	642.1	482.7	342.4	281.2	283.2	298.0	311.7	317.8	318.5
25°	761.9	736.0	618.3	415.5	280.0	263.7	279.4	295.9	311.4	319.3	320.1
27.5°	772.1	736.0	577.7	337.6	246.7	256.3	273.6	289.6	305.8	315.0	316.8
30°	780.5	729.7	520.8	267.3	233.0	249.2	264.2	278.9	294.9	306.1	308.1
32.5°	792.1	724.1	452.0	224.6	226.7	242.4	252.8	265.2	279.7	287.1	286.3
35°	805.8	715.5	369.0	204.3	221.3	236.5	243.9	251.3	244.7	244.4	245.2
37.5°	825.4	707.9	296.7	195.2	217.8	232.5	238.6	222.8	213.7	209.9	208.4
40°	853.6	704.8	234.0	189.8	217.3	232.2	227.9	203.6	191.1	177.9	177.7
42.5°	889.1	702.5	193.4	187.3	219.0	238.1	213.2	190.9	165.2	159.4	158.9
45°	934.8	699.0	173.1	186.8	223.4	242.6	211.7	173.4	155.8	153.3	153.3
47.5°	989.9	693.4	164.0	186.8	228.2	240.6	207.1	169.5	151.5	154.3	156.1
50°	1053.0	686.3	159.1	186.3	233.0	240.6	197.5	168.8	150.5	165.0	170.8
52.5°	1120.6	678.2	155.8	184.3	236.3	240.9	198.0	171.3	151.5	167.5	172.3
55°	1195.2	676.9	151.3	179.9	237.3	234.3	199.2	176.9	153.0	151.8	152.0
57.5°	1289.3	692.1	148.0	173.6	233.2	220.8	201.8	181.0	151.3	151.5	153.3
60°	1387.8	720.8	150.8	167.5	224.9	208.1	203.6	178.9	142.6	138.6	139.1
62.5°	1471.6	742.6	153.0	164.7	212.7	197.0	201.8	174.4	137.8	136.8	139.1
65°	1506.6	724.6	147.5	158.9	194.9	183.2	198.0	168.5	133.8	129.9	130.2
67.5°	1467.8	640.1	136.5	145.9	174.9	165.7	191.9	160.9	128.2	123.6	122.6
70°	1253.8	470.3	117.8	125.4	150.5	145.2	182.5	151.0	119.3	116.0	113.7
72.5°	1010.4	333.0	97.7	99.7	118.0	122.3	166.2	138.6	109.1	99.7	96.4
75°	703.3	209.1	81.5	79.4	85.3	93.4	129.7	115.0	94.2	84.3	81.2
77.5°	302.5	107.4	63.7	62.7	56.9	64.7	99.5	95.9	78.9	67.5	65.7
80°	101.3	62.2	45.9	44.2	37.8	45.4	70.1	76.6	61.9	50.0	47.0
82.5°	50.8	36.0	29.2	26.4	25.4	28.7	41.4	47.7	42.9	34.5	29.2
85°	24.9	20.6	16.0	15.7	13.2	12.4	17.3	20.3	19.3	14.2	13.5
87.5°	9.1	8.1	5.1	4.1	2.5	1.8	1.0	1.0	0.8	0.8	0.8
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)