

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: P629863

Luminaire Tested: GWS-SA1C-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4102.4 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

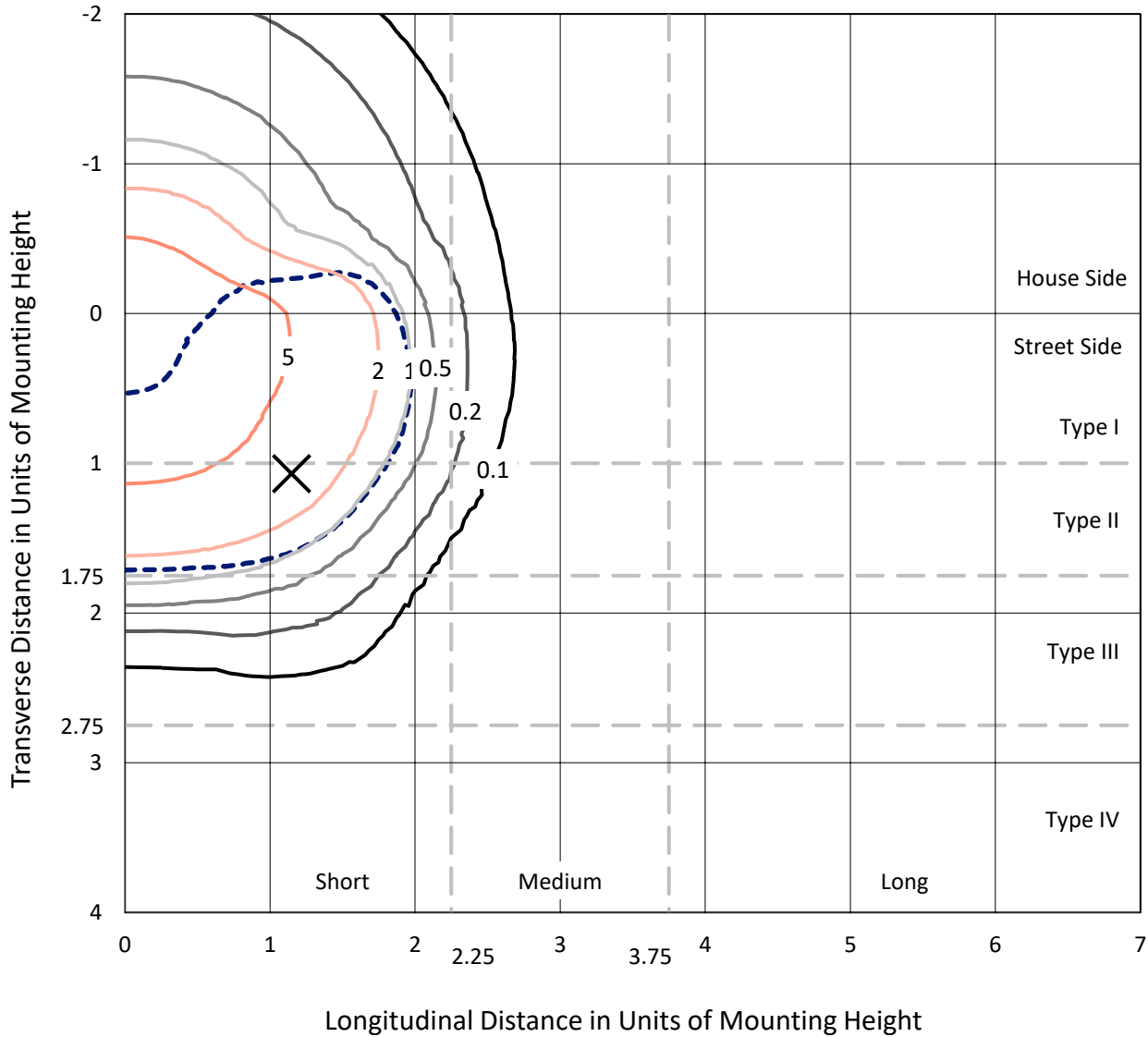
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

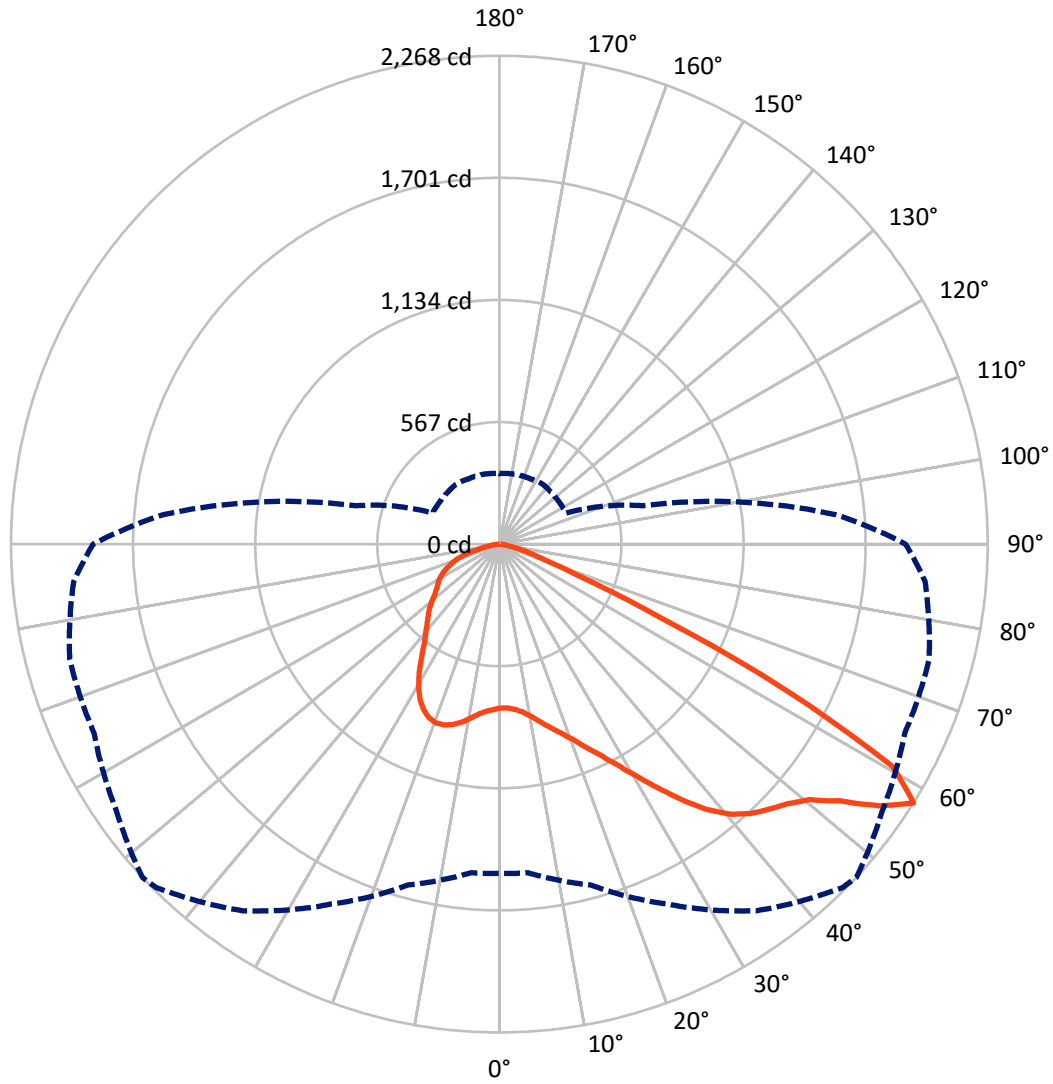
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1298.4	0.0	1298.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2804.0	0.0	2804.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	4102.4	0.0	4102.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.8
10°-20°	246.8	6.0
20°-30°	444.4	10.8
30°-40°	671.2	16.4
40°-50°	903.9	22.0
50°-60°	1086.1	26.5
60°-70°	529.0	12.9
70°-80°	130.3	3.2
80°-90°	15.7	0.4
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°	4102.4	100.0
0°-180°	4102.4	100.0

Coefficient of Utilization



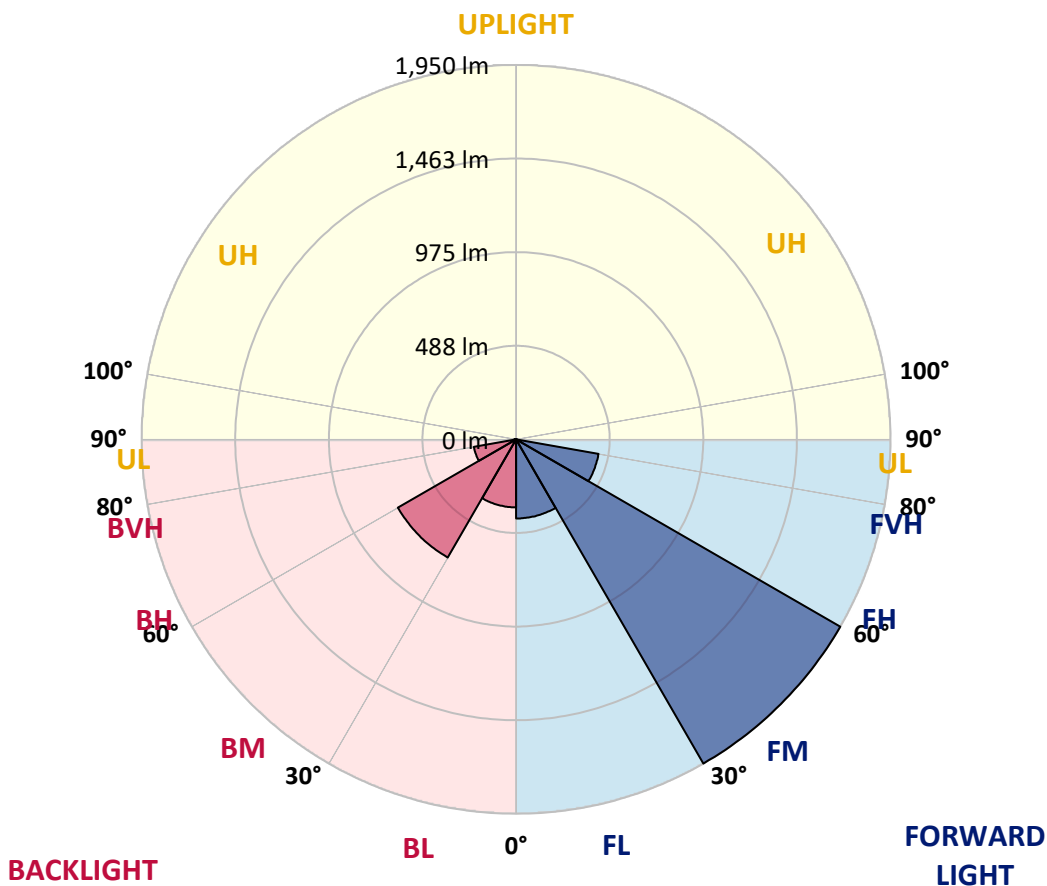
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.1	10.0			
FM (30°-60°)	1950.1	47.5			
FH (60°-80°)	436.0	10.6			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	354.2	8.6	B1/500		
BM (30°-60°)	711.1	17.3	B1/1000		
BH (60°-80°)	223.3	5.4	B1/500		G1/500
BVH (80°-90°)	9.8	0.2			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8
2.5°	759.4	759.1	759.1	761.1	761.1	761.8	762.9	763.9	764.2	762.5	758.7
5°	767.7	767.7	767.7	769.4	769.4	770.1	771.5	771.8	771.5	768.7	764.9
7.5°	780.8	780.8	781.1	783.2	784.9	785.9	788.4	788.0	787.0	782.5	777.7
10°	802.1	803.2	804.2	806.6	810.1	812.5	814.2	814.2	812.8	805.9	799.7
12.5°	832.5	833.8	834.9	836.9	839.7	843.8	847.6	847.6	845.9	837.3	828.0
15°	868.0	869.3	869.0	869.7	874.8	880.7	883.8	885.9	886.6	874.5	860.0
17.5°	908.6	910.0	908.6	906.5	907.2	916.5	922.1	929.6	934.1	917.9	894.8
20°	945.5	944.1	944.1	945.5	947.5	958.9	967.2	979.6	985.1	965.5	929.6
22.5°	984.4	987.5	986.1	986.1	994.4	1013.4	1023.4	1039.5	1045.4	1019.9	971.7
25°	1034.7	1037.5	1036.8	1037.5	1047.1	1074.0	1084.0	1114.0	1119.8	1083.3	1018.2
27.5°	1089.9	1094.3	1096.4	1095.7	1111.2	1146.4	1158.8	1200.5	1211.1	1154.3	1067.8
30°	1161.5	1166.3	1168.1	1167.4	1185.6	1233.5	1247.7	1295.2	1310.4	1238.4	1130.9
32.5°	1244.6	1249.4	1254.6	1256.6	1280.1	1329.0	1349.3	1398.6	1420.3	1335.5	1207.0
35°	1326.9	1331.0	1341.0	1357.2	1389.3	1439.2	1457.2	1505.7	1526.8	1436.5	1299.0
37.5°	1417.9	1420.6	1429.2	1451.6	1497.8	1545.4	1563.3	1609.8	1612.2	1534.0	1403.1
40°	1517.5	1517.5	1515.7	1537.8	1586.0	1633.9	1649.4	1676.3	1662.2	1609.1	1504.4
42.5°	1601.9	1600.5	1601.9	1622.5	1658.4	1697.3	1710.8	1705.6	1687.7	1666.7	1596.0
45°	1678.0	1679.1	1691.5	1707.3	1725.9	1749.0	1756.9	1727.6	1711.4	1712.8	1669.4
47.5°	1729.7	1730.7	1759.7	1786.2	1797.6	1804.8	1801.4	1760.7	1752.4	1768.0	1725.9
50°	1736.6	1742.1	1792.1	1846.5	1874.8	1875.8	1866.2	1816.5	1814.1	1831.7	1756.2
52.5°	1738.0	1743.5	1805.9	1904.1	1977.4	1993.0	1981.9	1930.2	1905.1	1887.5	1793.5
55°	1732.8	1739.0	1807.9	1942.6	2083.2	2145.3	2146.3	2073.2	1993.0	1981.2	1899.6
57.5°	1529.9	1532.3	1639.1	1844.4	2079.1	2254.8	2268.3	2169.0	2077.4	2066.3	1984.7
60°	1065.7	1075.4	1191.5	1462.7	1746.6	2056.4	2099.8	2070.8	2009.5	1929.2	1702.8
62.5°	533.7	542.0	658.5	914.8	1204.6	1449.2	1495.7	1526.4	1540.9	1454.7	1159.5
65°	229.8	236.0	308.4	477.9	681.9	800.1	816.3	853.1	943.4	841.8	624.7
67.5°	153.7	157.8	194.7	291.5	401.8	409.3	406.9	414.9	434.5	358.7	282.2
70°	117.8	121.3	146.1	213.6	288.7	247.1	234.0	212.3	230.5	235.0	228.8
72.5°	85.5	88.2	106.8	145.8	180.9	157.8	155.7	166.8	191.6	198.5	194.7
75°	55.1	56.5	67.9	79.9	93.4	101.3	105.4	125.4	150.6	155.7	151.3
77.5°	36.9	37.9	44.4	51.3	53.1	53.4	54.8	63.7	81.0	90.6	89.6
80°	19.3	19.3	21.7	21.7	24.8	29.6	31.0	36.9	44.8	49.6	50.0
82.5°	7.6	7.9	9.3	10.3	12.4	15.2	16.2	19.3	23.4	26.9	30.0
85°	3.1	3.4	3.8	4.5	5.5	6.9	7.2	8.3	11.0	13.8	15.5
87.5°	0.0	0.0	0.3	0.3	0.7	1.0	1.0	1.4	1.7	3.1	4.1
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°	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8
2.5°	763.2	758.7	763.2	764.6	768.4	769.8	767.3	767.0	767.0	763.6	762.5
5°	768.4	764.2	768.7	770.8	776.3	779.7	780.4	783.2	784.9	783.5	783.2
7.5°	781.1	776.0	780.8	783.9	791.1	796.6	799.0	805.2	809.7	809.0	808.7
10°	803.5	796.6	802.1	807.3	815.2	821.8	822.1	825.6	830.1	828.7	828.0
12.5°	829.4	822.8	829.0	834.2	843.5	846.2	841.8	840.4	841.1	839.4	838.0
15°	861.1	851.8	857.3	863.1	868.3	865.2	855.6	851.8	851.4	849.0	847.6
17.5°	892.8	881.0	885.2	888.3	885.9	876.2	864.2	857.6	854.5	849.7	848.3
20°	924.1	909.3	908.6	906.2	895.2	877.6	861.4	848.3	840.4	833.8	831.4
22.5°	960.0	939.3	928.9	917.9	893.8	865.2	840.7	822.1	809.4	801.1	798.4
25°	998.5	969.3	947.9	925.8	880.0	838.7	804.6	779.1	763.9	754.9	751.8
27.5°	1036.8	996.5	964.4	926.9	852.4	800.4	754.6	720.1	705.0	697.7	695.3
30°	1088.5	1032.7	984.1	913.4	816.3	747.4	690.2	655.4	645.4	640.2	638.1
32.5°	1148.1	1078.5	1010.3	885.2	770.1	685.3	625.0	600.9	594.0	584.0	583.7
35°	1226.6	1144.0	1035.1	843.5	711.9	618.8	575.1	557.8	545.4	529.6	528.2
37.5°	1318.3	1225.6	1048.5	790.4	644.0	564.1	537.9	518.6	498.6	477.6	474.8
40°	1413.1	1321.1	1049.5	727.7	577.5	527.9	505.8	480.7	455.9	432.4	429.3
42.5°	1512.6	1410.0	1031.3	655.4	523.0	496.5	474.1	442.4	414.5	398.7	396.9
45°	1601.5	1481.6	989.9	579.2	482.7	470.3	441.7	407.6	392.8	381.4	379.0
47.5°	1671.5	1529.2	934.1	511.0	450.0	443.5	406.2	388.7	377.3	367.0	364.5
50°	1705.9	1539.9	861.4	455.5	419.7	411.8	386.3	372.8	365.2	357.0	354.9
52.5°	1748.7	1551.9	798.7	409.0	390.0	379.4	369.7	359.0	353.5	348.4	346.6
55°	1846.9	1597.4	765.6	371.8	361.8	357.0	355.6	346.6	344.9	341.5	338.4
57.5°	1886.8	1568.1	687.4	341.5	339.4	340.1	343.5	335.3	333.5	329.4	327.3
60°	1517.5	1185.3	465.5	315.3	320.8	325.3	328.7	320.4	318.0	317.3	314.6
62.5°	972.4	729.1	324.9	290.8	299.1	304.6	306.7	298.7	297.0	302.5	302.9
65°	506.2	397.3	263.6	264.6	271.5	279.8	283.9	281.2	280.5	286.3	286.7
67.5°	258.4	242.9	229.8	233.6	239.1	249.8	259.5	271.5	275.7	276.3	276.7
70°	220.2	213.3	206.7	209.1	215.0	220.9	230.2	236.0	229.1	227.4	226.7
72.5°	187.4	182.3	179.2	181.9	185.0	184.0	181.2	184.0	185.0	185.4	185.7
75°	145.8	142.0	139.5	139.9	139.9	136.1	130.9	127.8	124.4	121.6	121.6
77.5°	89.2	89.9	92.3	92.0	91.7	90.3	85.1	82.4	74.1	71.7	71.7
80°	51.0	52.0	54.4	55.1	55.1	53.4	48.2	45.1	41.3	39.6	39.3
82.5°	31.0	32.4	33.8	34.5	34.8	32.7	28.3	25.8	23.8	22.1	22.1
85°	16.2	16.9	18.3	18.6	17.6	15.5	13.1	12.1	10.0	9.6	9.6
87.5°	4.5	4.8	5.5	4.5	4.1	3.1	1.7	1.4	0.7	0.3	0.3
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)