

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: P629477

Luminaire Tested: GWS-SA1B-760-U-T2R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-T2R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3687.1 lumens  
Efficiency: N/A  
Efficacy: 147.5 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): 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

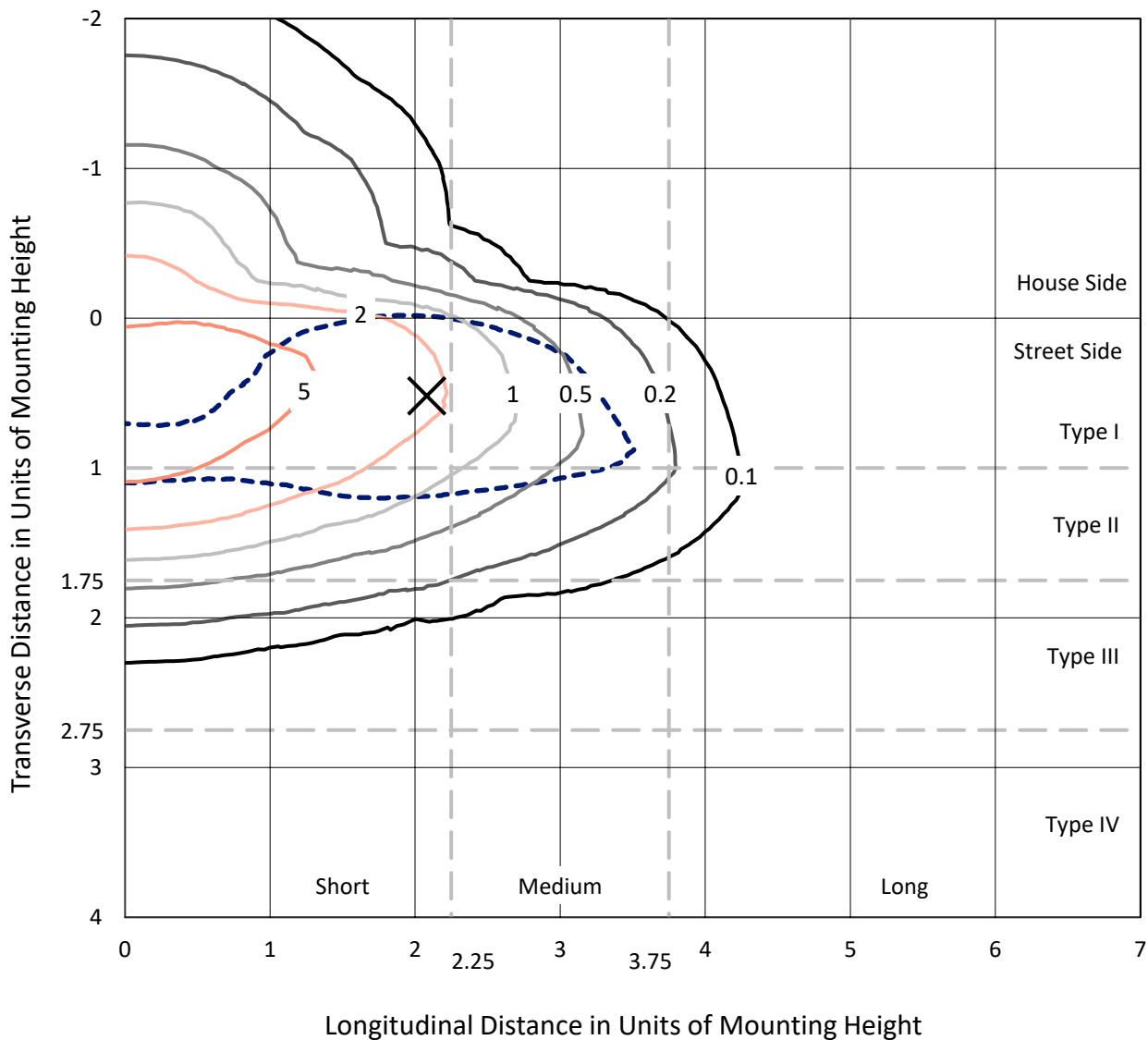


REPORT NUMBER: P629477

CATALOG NUMBER: GWS-SA1B-760-U-T2R-W

### Iso-Footcandle Lines of Horizontal Illumination

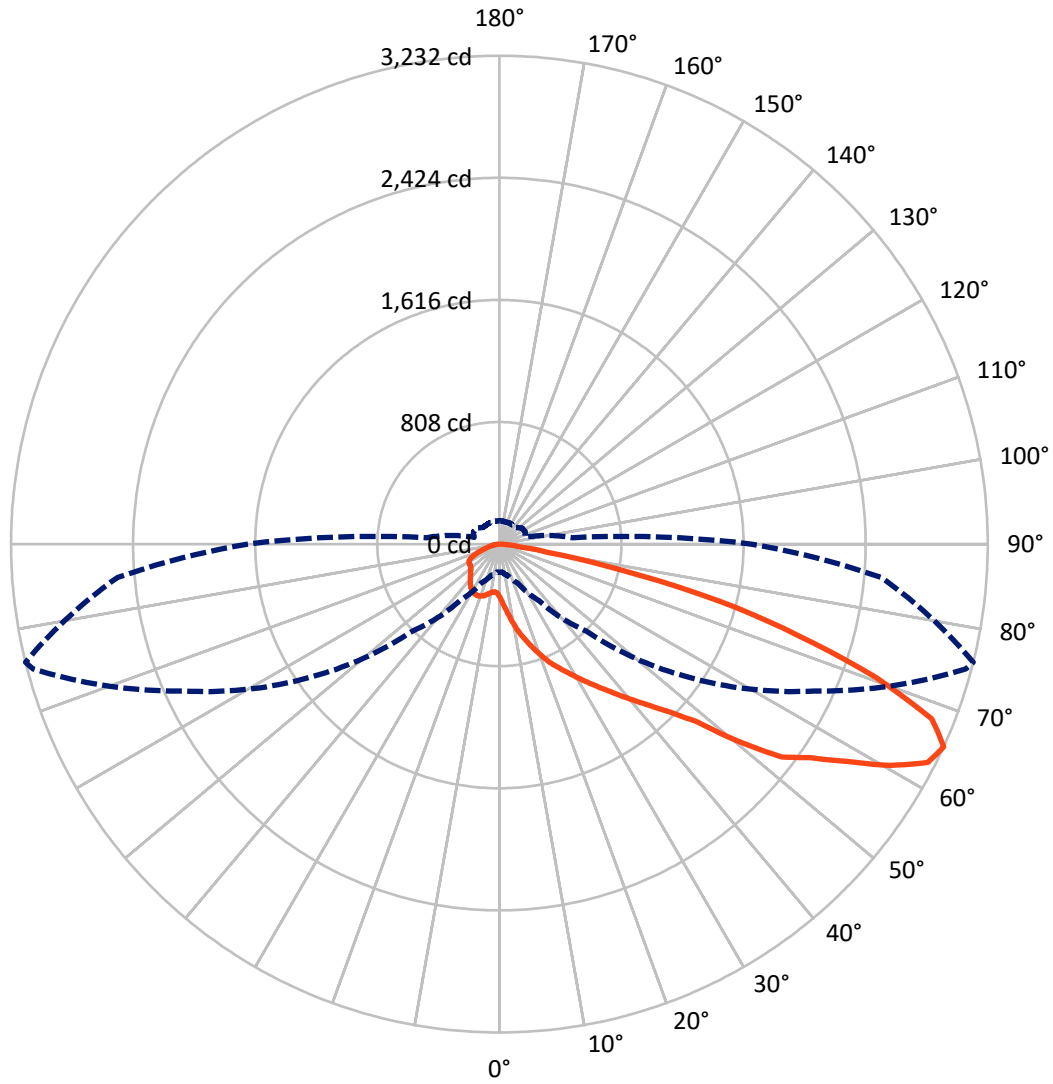
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P629477  
CATALOG NUMBER: GWS-SA1B-760-U-T2R-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P629477

CATALOG NUMBER: GWS-SA1B-760-U-T2R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	616.3	0.0	616.3
	% Fixture	16.7	0.0	16.7
<b>Street Side</b>	Lumens	3070.8	0.0	3070.8
	% Fixture	83.3	0.0	83.3
<b>Total</b>	Lumens	3687.1	0.0	3687.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.5	1.1
10°-20°	158.0	4.3
20°-30°	307.9	8.4
30°-40°	515.0	14.0
40°-50°	737.3	20.0
50°-60°	872.9	23.7
60°-70°	725.8	19.7
70°-80°	297.0	8.1
80°-90°	31.6	0.9
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°	3687.1	100.0
0°-180°	3687.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629477

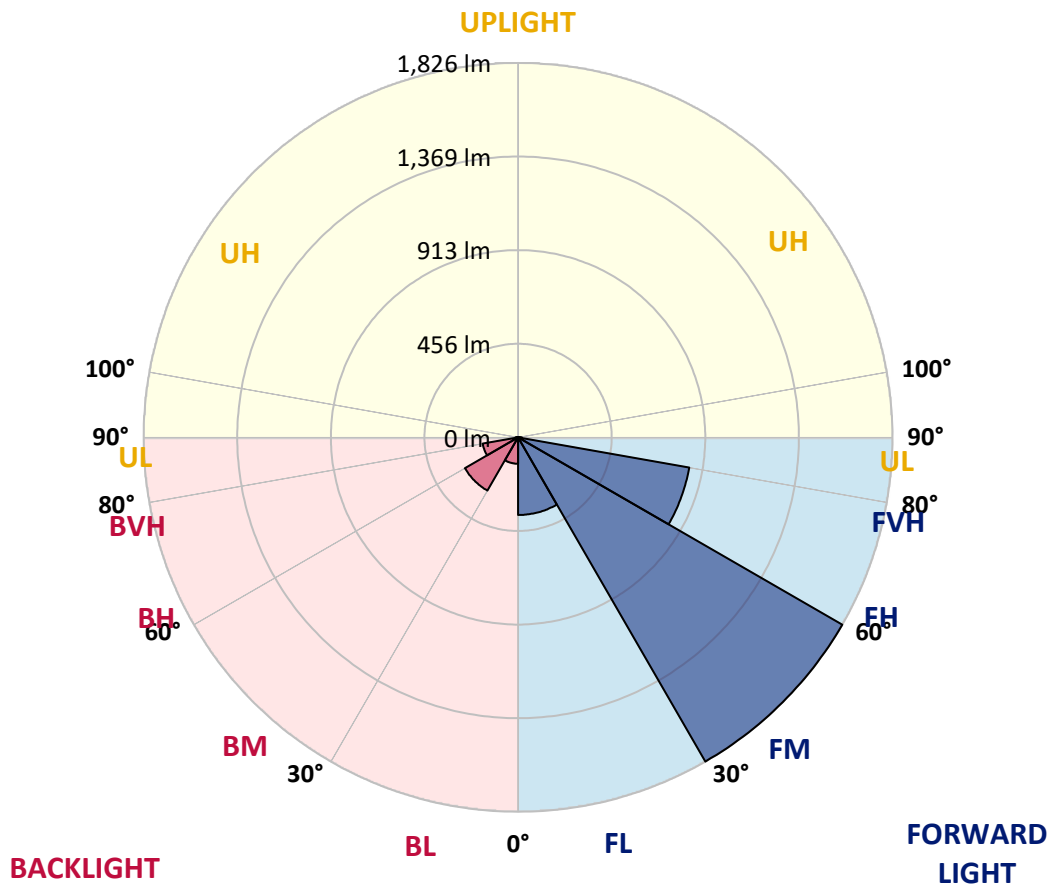
CATALOG NUMBER: GWS-SA1B-760-U-T2R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.5	10.3			
FM (30°-60°)	1825.7	49.5			
FH (60°-80°)	847.8	23.0			G1/1800
FVH (80°-90°)	18.9	0.5			G1/100
BL (0°-30°)	128.9	3.5	B1/500		
BM (30°-60°)	299.5	8.1	B1/1000		
BH (60°-80°)	175.1	4.7	B1/500		G1/500
BVH (80°-90°)	12.8	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 II Short





REPORT NUMBER: P629477  
 CATALOG NUMBER: GWS-SA1B-760-U-T2R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2
2.5°	489.4	491.2	485.2	483.2	469.2	450.2	434.4	410.6	388.6	385.2	365.5
5°	621.6	613.8	607.1	602.7	583.2	561.7	528.3	483.4	436.5	430.8	388.3
7.5°	700.1	698.8	690.5	687.9	672.9	651.4	616.9	561.2	493.0	483.7	419.1
10°	763.1	762.3	758.2	760.5	746.8	725.8	692.3	634.8	555.0	545.6	453.6
12.5°	818.1	819.4	818.6	827.1	820.1	803.8	769.1	705.8	616.9	606.8	495.6
15°	858.2	859.3	863.2	881.8	885.7	882.3	847.1	775.6	678.1	663.6	538.9
17.5°	869.6	871.7	881.1	911.1	932.1	946.1	919.9	846.6	738.2	722.4	583.0
20°	884.9	887.3	896.6	928.0	958.8	990.7	986.0	918.6	798.9	785.9	627.5
22.5°	955.7	953.9	949.7	964.8	986.8	1026.5	1038.1	987.8	861.6	849.2	676.8
25°	1092.0	1088.7	1062.2	1048.5	1041.2	1065.3	1086.1	1050.8	922.8	904.1	722.7
27.5°	1242.4	1240.6	1206.9	1174.2	1129.6	1119.3	1131.4	1105.8	982.1	963.2	762.6
30°	1384.7	1379.3	1344.0	1303.0	1243.4	1198.8	1181.0	1159.7	1047.2	1027.5	809.3
32.5°	1512.0	1505.0	1463.5	1418.1	1355.7	1303.0	1249.6	1217.0	1120.8	1098.0	856.9
35°	1616.4	1609.4	1566.9	1518.7	1450.0	1411.1	1338.0	1279.2	1195.7	1172.7	913.2
37.5°	1697.3	1690.8	1646.5	1599.1	1539.2	1508.3	1444.8	1349.2	1282.0	1257.9	972.8
40°	1742.7	1738.0	1702.5	1664.9	1614.6	1587.9	1559.4	1437.6	1378.7	1354.6	1043.1
42.5°	1756.4	1753.3	1728.4	1709.0	1675.0	1654.8	1671.1	1541.5	1481.9	1460.9	1122.1
45°	1721.9	1721.9	1714.7	1724.5	1726.1	1725.8	1783.1	1658.9	1608.7	1585.6	1233.6
47.5°	1633.8	1639.5	1650.1	1698.6	1749.7	1792.4	1914.0	1815.5	1771.7	1752.8	1391.4
50°	1472.6	1488.1	1524.4	1619.0	1727.6	1836.5	2037.9	2047.0	2088.7	2055.3	1623.7
52.5°	1236.4	1234.1	1326.6	1461.4	1627.1	1838.3	2106.1	2251.2	2363.5	2340.4	1796.3
55°	982.7	978.8	1065.1	1250.9	1472.8	1768.8	2147.0	2344.8	2515.9	2495.1	1951.6
57.5°	752.5	747.6	824.3	992.0	1255.1	1621.4	2139.3	2456.3	2725.6	2715.0	2162.6
60°	517.9	511.9	583.7	730.5	997.4	1395.8	2053.2	2513.6	2971.1	2974.7	2388.4
62.5°	311.1	307.7	359.8	473.6	717.5	1116.4	1851.8	2478.8	3166.5	3182.8	2533.5
65°	187.7	185.3	215.9	282.5	455.2	814.7	1541.3	2301.3	3194.8	3232.3	2536.9
67.5°	136.6	136.9	145.7	172.1	265.4	526.2	1156.6	1983.0	3047.5	3086.4	2376.9
70°	118.7	119.2	123.9	129.9	160.5	301.2	752.0	1565.4	2612.3	2642.4	1993.6
72.5°	105.5	105.5	108.6	111.7	125.5	183.5	402.8	1094.1	2061.7	2069.8	1521.6
75°	92.8	92.0	93.6	95.1	108.9	128.3	196.0	762.3	1522.9	1504.2	983.4
77.5°	73.9	73.1	73.4	74.9	87.4	91.8	99.3	476.2	858.2	810.0	434.4
80°	52.6	52.1	55.0	58.8	64.5	56.2	62.2	230.4	340.3	316.8	168.5
82.5°	31.4	32.4	36.8	39.9	44.6	35.3	40.2	77.0	120.5	117.4	68.4
85°	4.4	4.7	13.2	15.3	19.2	13.7	21.3	34.7	48.2	51.6	24.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.2	13.7	14.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629477  
 CATALOG NUMBER: GWS-SA1B-760-U-T2R-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2	349.2
2.5°	355.4	343.2	325.8	311.3	299.1	289.3	281.0	274.8	272.9	270.4	270.4
5°	368.3	346.3	315.2	293.2	280.5	272.9	267.8	265.2	263.9	262.3	261.5
7.5°	386.2	355.4	313.4	291.1	281.2	276.6	273.2	271.7	270.6	269.1	269.1
10°	410.8	368.9	319.1	298.3	290.6	285.9	282.0	279.4	277.1	274.8	274.2
12.5°	437.5	386.5	329.5	308.2	299.9	294.2	288.8	284.9	282.0	279.2	278.4
15°	467.1	404.6	340.6	317.8	307.4	299.6	293.2	287.2	283.3	279.2	278.6
17.5°	496.1	423.0	349.9	324.3	311.1	301.5	292.1	284.4	279.4	274.8	273.5
20°	530.9	441.4	356.4	326.1	310.3	297.6	286.4	276.6	271.1	265.7	264.9
22.5°	562.7	458.5	359.5	323.5	304.3	289.3	276.3	265.7	259.7	254.3	253.2
25°	593.6	473.6	358.2	317.3	295.2	277.9	264.4	253.8	248.1	242.4	240.8
27.5°	623.4	483.7	353.0	307.7	283.8	265.2	252.2	242.6	237.7	232.8	230.7
30°	652.7	493.0	345.0	295.2	269.3	252.0	241.3	234.6	229.7	224.5	222.9
32.5°	682.2	499.8	332.8	280.7	254.5	240.3	233.8	228.9	223.7	218.5	217.0
35°	712.0	502.6	318.0	264.1	242.1	232.8	230.4	224.7	217.7	211.5	209.4
37.5°	747.6	505.2	299.6	247.8	231.2	229.1	228.6	220.1	211.8	203.2	200.9
40°	790.3	508.6	280.7	233.0	222.4	227.8	225.8	214.1	197.5	189.2	186.6
42.5°	842.7	514.8	261.0	219.6	215.9	222.9	220.6	199.6	188.4	183.8	182.5
45°	919.7	537.6	241.3	208.9	211.0	215.9	212.3	191.0	186.6	183.5	182.0
47.5°	1056.8	572.6	224.2	200.9	207.1	209.7	195.7	188.7	185.3	181.2	179.4
50°	1199.4	587.9	210.5	196.0	202.7	204.0	186.6	185.6	183.3	178.9	177.0
52.5°	1295.8	585.8	202.2	194.1	199.1	194.1	182.5	182.2	180.7	175.5	173.4
55°	1404.7	589.4	198.6	194.7	197.5	177.6	177.3	178.1	177.3	171.6	170.6
57.5°	1551.6	600.6	196.7	196.5	196.5	169.5	172.4	173.4	171.9	169.3	168.5
60°	1692.9	601.4	193.4	198.6	195.7	164.6	166.7	167.7	165.9	165.4	165.1
62.5°	1746.0	564.0	185.9	197.0	192.6	159.2	160.7	161.2	159.4	160.7	160.5
65°	1667.0	484.7	173.4	189.5	183.0	154.2	153.2	154.5	151.4	154.7	155.0
67.5°	1480.1	385.2	154.5	175.2	169.5	148.8	146.7	146.7	141.5	146.7	146.5
70°	1193.4	272.2	126.8	152.4	154.7	142.3	141.3	135.3	127.0	134.8	134.0
72.5°	904.6	195.4	99.8	120.5	133.2	133.2	133.5	123.4	113.8	117.4	114.3
75°	573.1	137.6	79.8	92.3	104.5	116.9	122.9	104.2	95.6	94.1	92.5
77.5°	258.2	90.5	62.2	70.8	74.1	92.3	112.2	89.7	78.0	74.7	73.6
80°	108.1	56.2	44.3	50.0	45.6	77.5	99.0	69.7	57.3	52.6	49.2
82.5°	47.4	33.4	28.3	27.0	28.5	57.5	73.9	46.4	35.8	48.5	49.0
85°	20.0	17.6	14.5	13.2	11.7	22.0	34.7	18.1	22.3	12.7	10.4
87.5°	4.7	5.2	3.9	2.6	1.6	0.3	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)