

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: P630135

Luminaire Tested: GWS-SA1D-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630135
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-SA1D-722-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4554.4 lumens
Efficiency: N/A
Efficacy: 102.8 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

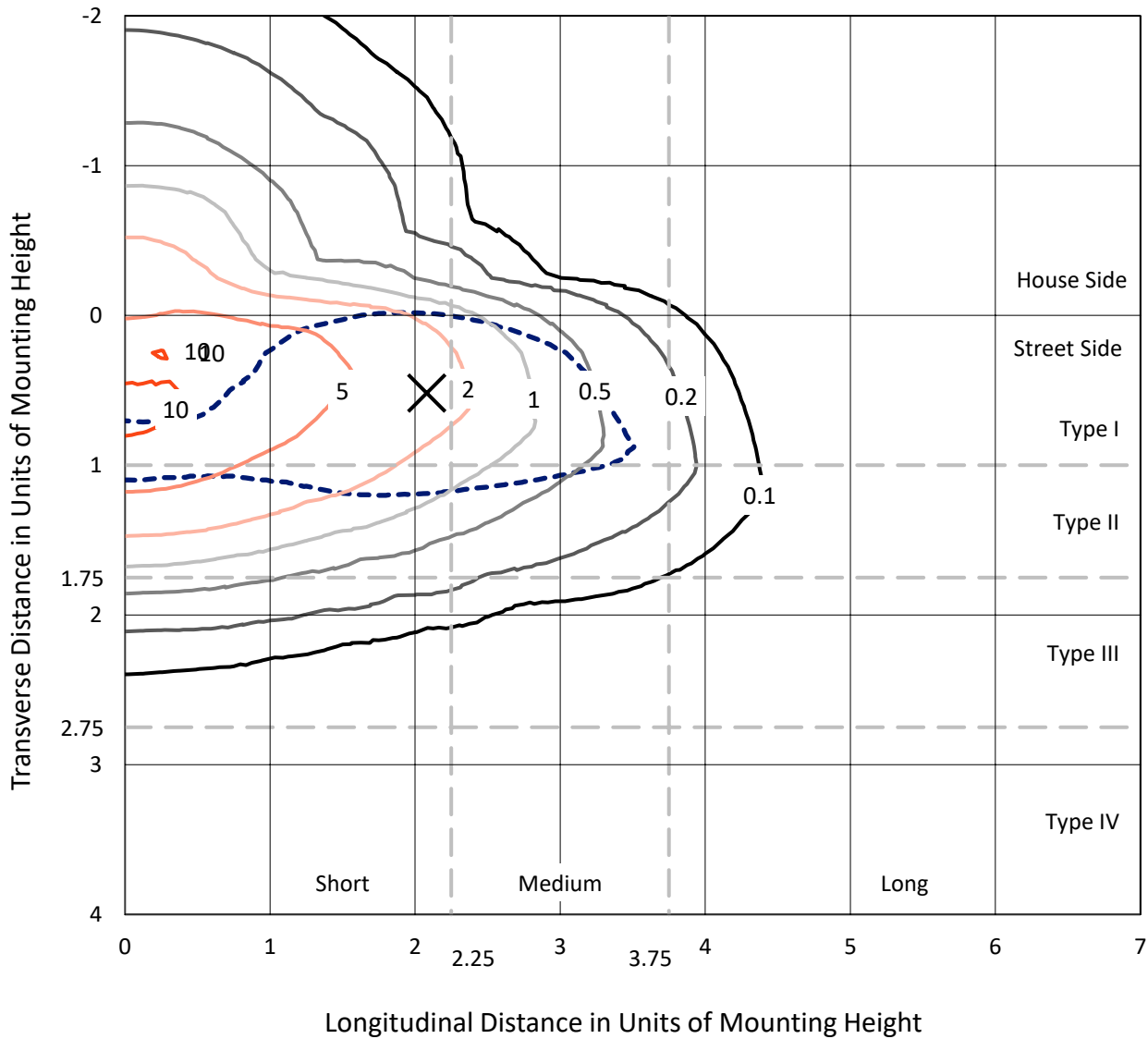
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630135
 CATALOG NUMBER: GWS-SA1D-722-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination

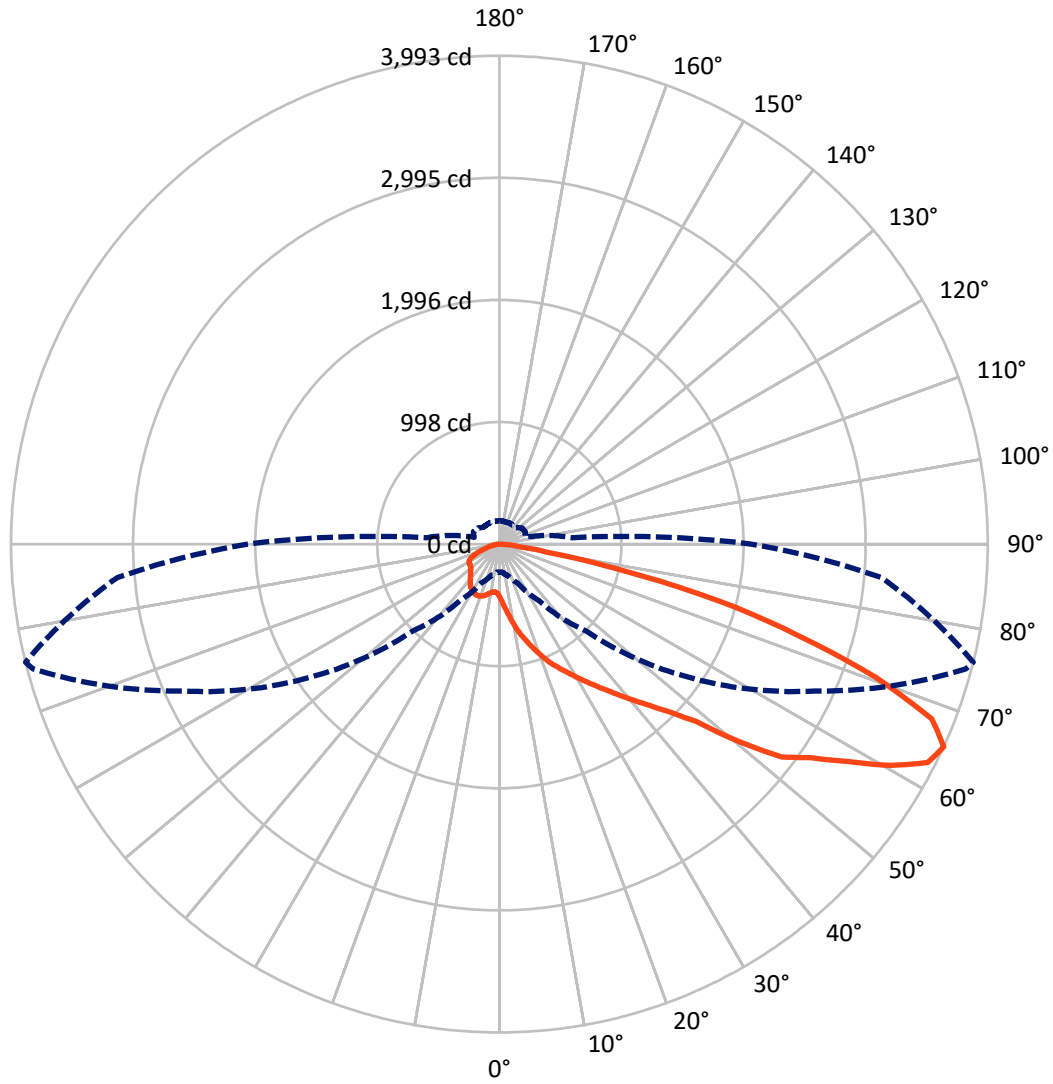
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

REPORT NUMBER: P630135
CATALOG NUMBER: GWS-SA1D-722-U-T2R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630135

CATALOG NUMBER: GWS-SA1D-722-U-T2R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	761.3	0.0	761.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	3793.1	0.0	3793.1
	% Fixture	83.3	0.0	83.3
Total	Lumens	4554.4	0.0	4554.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.1
10°-20°	195.2	4.3
20°-30°	380.3	8.4
30°-40°	636.1	14.0
40°-50°	910.8	20.0
50°-60°	1078.2	23.7
60°-70°	896.6	19.7
70°-80°	366.9	8.1
80°-90°	39.1	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°	4554.4	100.0
0°-180°	4554.4	100.0

Coefficient of Utilization



REPORT NUMBER: P630135

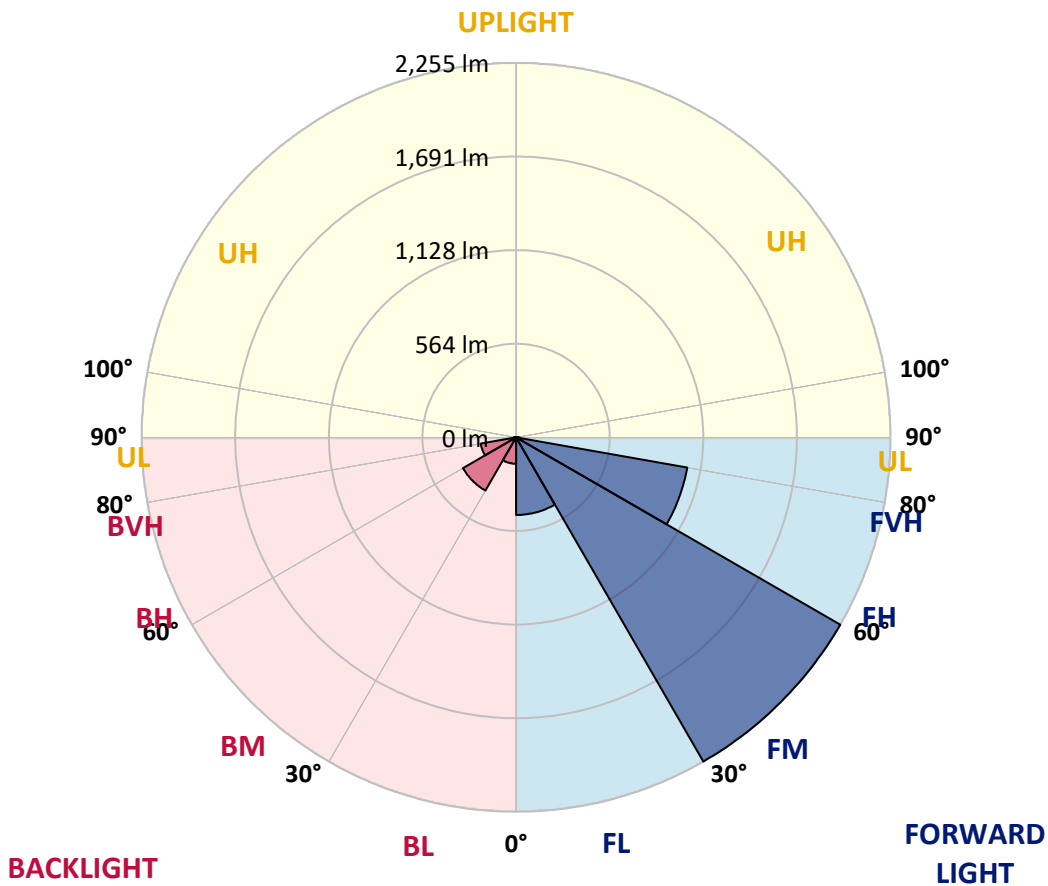
CATALOG NUMBER: GWS-SA1D-722-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	467.5	10.3			
FM (30°-60°)	2255.2	49.5			
FH (60°-80°)	1047.2	23.0			G1/1800
FVH (80°-90°)	23.3	0.5			G1/100
BL (0°-30°)	159.3	3.5	B1/500		
BM (30°-60°)	370.0	8.1	B1/1000		
BH (60°-80°)	216.3	4.7	B1/500		G1/500
BVH (80°-90°)	15.8	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: P630135
 CATALOG NUMBER: GWS-SA1D-722-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	604.5	606.7	599.4	596.8	579.5	556.2	536.6	507.2	480.0	475.8	451.5
5°	767.8	758.2	749.9	744.4	720.4	693.8	652.5	597.1	539.2	532.1	479.6
7.5°	864.8	863.2	853.0	849.8	831.2	804.6	762.0	693.2	609.0	597.5	517.7
10°	942.6	941.7	936.5	939.4	922.4	896.5	855.2	784.1	685.5	674.0	560.3
12.5°	1010.5	1012.1	1011.1	1021.7	1013.1	992.9	950.0	871.9	762.0	749.5	612.2
15°	1060.1	1061.4	1066.2	1089.3	1094.1	1089.9	1046.4	958.0	837.6	819.7	665.7
17.5°	1074.2	1076.8	1088.3	1125.4	1151.4	1168.7	1136.3	1045.7	911.9	892.3	720.1
20°	1093.1	1096.0	1107.5	1146.3	1184.4	1223.7	1218.0	1134.7	986.8	970.8	775.2
22.5°	1180.5	1178.3	1173.1	1191.7	1218.9	1267.9	1282.3	1220.2	1064.3	1048.9	836.0
25°	1348.9	1344.8	1312.1	1295.1	1286.2	1315.9	1341.6	1298.0	1139.8	1116.8	892.7
27.5°	1534.6	1532.4	1490.8	1450.4	1395.4	1382.5	1397.6	1365.9	1213.2	1189.8	942.0
30°	1710.4	1703.7	1660.1	1609.6	1535.9	1480.8	1458.7	1432.5	1293.5	1269.2	999.6
32.5°	1867.6	1859.0	1807.7	1751.7	1674.6	1609.6	1543.6	1503.3	1384.5	1356.3	1058.5
35°	1996.7	1988.0	1935.5	1875.9	1791.1	1743.1	1652.8	1580.1	1477.0	1448.5	1128.0
37.5°	2096.6	2088.5	2033.8	1975.2	1901.2	1863.1	1784.7	1666.5	1583.6	1553.8	1201.6
40°	2152.6	2146.8	2103.0	2056.5	1994.4	1961.4	1926.2	1775.7	1703.0	1673.3	1288.4
42.5°	2169.6	2165.7	2135.0	2111.0	2069.0	2044.0	2064.2	1904.1	1830.5	1804.5	1386.1
45°	2127.0	2127.0	2118.0	2130.2	2132.1	2131.8	2202.5	2049.2	1987.0	1958.6	1523.7
47.5°	2018.1	2025.1	2038.3	2098.2	2161.2	2214.1	2364.2	2242.6	2188.4	2165.1	1718.7
50°	1819.0	1838.2	1883.0	1999.9	2134.0	2268.5	2517.3	2528.5	2580.0	2538.7	2005.6
52.5°	1527.3	1524.4	1638.7	1805.2	2009.8	2270.7	2601.5	2780.8	2919.4	2890.9	2218.9
55°	1213.8	1209.0	1315.6	1545.2	1819.3	2184.9	2652.1	2896.4	3107.7	3082.1	2410.6
57.5°	929.5	923.4	1018.2	1225.3	1550.3	2002.7	2642.5	3034.0	3366.7	3353.6	2671.3
60°	639.7	632.4	721.0	902.3	1232.1	1724.2	2536.2	3104.8	3669.9	3674.4	2950.2
62.5°	384.2	380.1	444.4	585.0	886.3	1379.0	2287.4	3061.9	3911.3	3931.5	3129.5
65°	231.8	228.9	266.7	349.0	562.2	1006.3	1903.8	2842.6	3946.2	3992.7	3133.6
67.5°	168.7	169.1	179.9	212.6	327.9	650.0	1428.7	2449.4	3764.4	3812.4	2936.1
70°	146.6	147.3	153.0	160.4	198.2	372.1	928.8	1933.6	3226.8	3263.9	2462.5
72.5°	130.3	130.3	134.2	138.0	155.0	226.7	497.6	1351.5	2546.7	2556.7	1879.5
75°	114.6	113.7	115.6	117.5	134.5	158.5	242.1	941.7	1881.1	1858.0	1214.8
77.5°	91.3	90.3	90.6	92.5	107.9	113.3	122.6	588.2	1060.1	1000.6	536.6
80°	65.0	64.4	67.9	72.7	79.7	69.5	76.8	284.6	420.4	391.3	208.1
82.5°	38.7	40.0	45.5	49.3	55.1	43.5	49.6	95.1	148.9	145.0	84.5
85°	5.4	5.8	16.3	18.9	23.7	17.0	26.3	42.9	59.6	63.7	29.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	7.7	17.0	17.3	7.4
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: P630135
 CATALOG NUMBER: GWS-SA1D-722-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	439.0	423.9	402.5	384.5	369.5	357.3	347.1	339.4	337.2	333.9	333.9
5°	455.0	427.8	389.3	362.1	346.4	337.2	330.7	327.5	325.9	324.0	323.1
7.5°	477.1	439.0	387.1	359.6	347.4	341.6	337.5	335.6	334.3	332.3	332.3
10°	507.5	455.6	394.1	368.5	358.9	353.2	348.4	345.2	342.3	339.4	338.8
12.5°	540.5	477.4	407.0	380.7	370.5	363.4	356.7	351.9	348.4	344.8	343.9
15°	577.0	499.8	420.7	392.5	379.7	370.1	362.1	354.8	350.0	344.8	344.2
17.5°	612.8	522.5	432.2	400.5	384.2	372.4	360.8	351.2	345.2	339.4	337.8
20°	655.7	545.3	440.2	402.8	383.3	367.6	353.8	341.6	334.9	328.2	327.2
22.5°	695.1	566.4	444.1	399.6	375.9	357.3	341.3	328.2	320.8	314.1	312.8
25°	733.2	585.0	442.5	391.9	364.7	343.2	326.6	313.5	306.4	299.4	297.4
27.5°	770.0	597.5	436.1	380.1	350.6	327.5	311.5	299.7	293.6	287.5	285.0
30°	806.2	609.0	426.2	364.7	332.7	311.2	298.1	289.8	283.7	277.3	275.4
32.5°	842.7	617.3	411.1	346.8	314.4	296.8	288.8	282.7	276.3	269.9	268.0
35°	879.5	620.8	392.9	326.3	299.0	287.5	284.6	277.6	269.0	261.3	258.7
37.5°	923.4	624.0	370.1	306.1	285.6	283.0	282.4	271.8	261.6	251.0	248.1
40°	976.2	628.2	346.8	287.8	274.7	281.4	278.9	264.5	244.0	233.7	230.5
42.5°	1040.9	635.9	322.4	271.2	266.7	275.4	272.5	246.5	232.8	227.0	225.4
45°	1136.0	664.1	298.1	258.1	260.6	266.7	262.2	236.0	230.5	226.7	224.8
47.5°	1305.4	707.3	277.0	248.1	255.8	259.0	241.7	233.1	228.9	223.8	221.6
50°	1481.5	726.2	260.0	242.1	250.4	252.0	230.5	229.3	226.4	220.9	218.7
52.5°	1600.6	723.6	249.7	239.8	245.9	239.8	225.4	225.1	223.2	216.8	214.2
55°	1735.1	728.1	245.3	240.5	244.0	219.3	219.0	220.0	219.0	212.0	210.7
57.5°	1916.6	741.9	243.0	242.7	242.7	209.4	212.9	214.2	212.3	209.1	208.1
60°	2091.1	742.8	238.9	245.3	241.7	203.3	205.9	207.2	204.9	204.3	204.0
62.5°	2156.7	696.7	229.6	243.3	237.9	196.6	198.5	199.2	196.9	198.5	198.2
65°	2059.1	598.7	214.2	234.1	226.0	190.5	189.2	190.8	187.0	191.1	191.5
67.5°	1828.2	475.8	190.8	216.4	209.4	183.8	181.2	181.2	174.8	181.2	180.9
70°	1474.1	336.2	156.6	188.3	191.1	175.8	174.5	167.1	156.9	166.5	165.5
72.5°	1117.4	241.4	123.3	148.9	164.6	164.6	164.9	152.4	140.6	145.0	141.2
75°	707.9	170.0	98.6	114.0	129.0	144.4	151.8	128.7	118.1	116.2	114.3
77.5°	318.9	111.7	76.8	87.4	91.6	114.0	138.6	110.8	96.4	92.2	90.9
80°	133.5	69.5	54.8	61.8	56.4	95.7	122.3	86.1	70.8	65.0	60.8
82.5°	58.6	41.3	34.9	33.3	35.2	71.1	91.3	57.3	44.2	59.9	60.5
85°	24.7	21.8	17.9	16.3	14.4	27.2	42.9	22.4	27.5	15.7	12.8
87.5°	5.8	6.4	4.8	3.2	1.9	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)