

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: P629612

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3605.3 lumens
Efficiency: N/A
Efficacy: 105.7 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

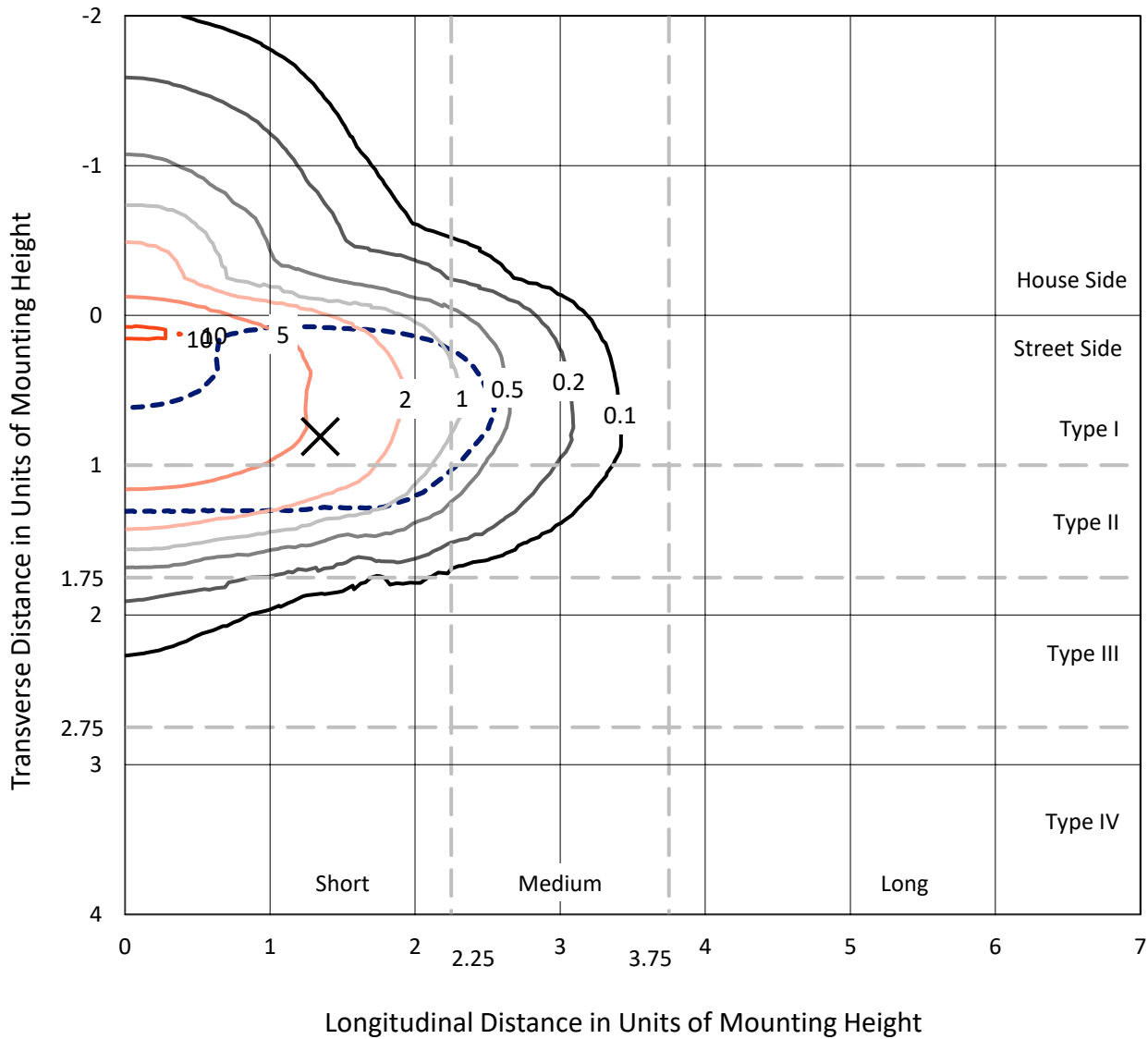
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629612
 CATALOG NUMBER: GWS-SA1C-722-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

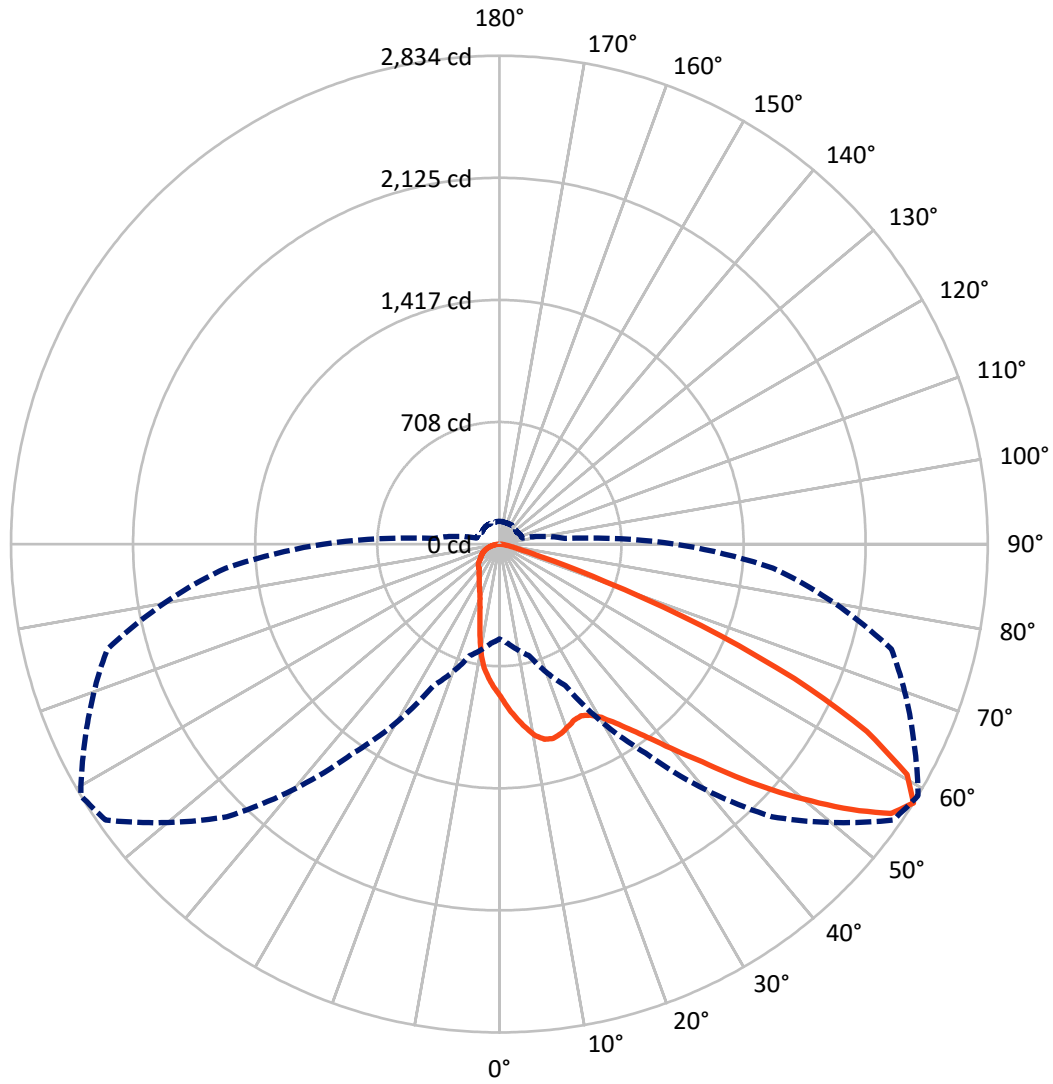
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Short - N/A

REPORT NUMBER: P629612
CATALOG NUMBER: GWS-SA1C-722-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629612

CATALOG NUMBER: GWS-SA1C-722-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	559.5	0.0	559.5
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	3045.8	0.0	3045.8
	% Fixture	84.5	0.0	84.5
Total	Lumens	3605.3	0.0	3605.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	2.3
10°-20°	208.2	5.8
20°-30°	337.6	9.4
30°-40°	543.0	15.1
40°-50°	843.2	23.4
50°-60°	908.3	25.2
60°-70°	527.1	14.6
70°-80°	137.6	3.8
80°-90°	18.1	0.5
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°	3605.3	100.0
0°-180°	3605.3	100.0

Coefficient of Utilization



REPORT NUMBER: P629612

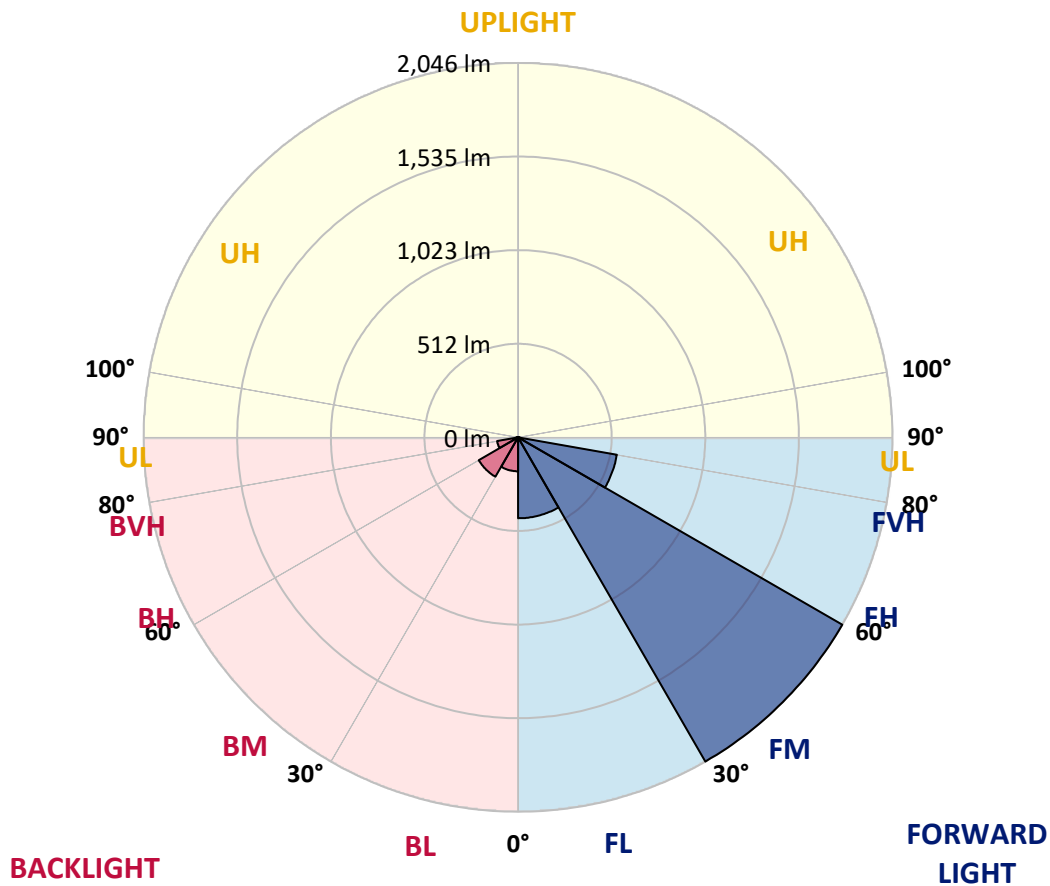
CATALOG NUMBER: GWS-SA1C-722-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.3	12.3			
FM (30°-60°)	2046.4	56.8			
FH (60°-80°)	548.4	15.2			G0/660
FVH (80°-90°)	8.7	0.2			G0/10
BL (0°-30°)	185.6	5.1	B1/500		
BM (30°-60°)	248.1	6.9	B1/1000		
BH (60°-80°)	116.4	3.2	B1/500		G1/500
BVH (80°-90°)	9.4	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 II Short





REPORT NUMBER: P629612
 CATALOG NUMBER: GWS-SA1C-722-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0
2.5°	1003.8	995.4	1001.3	990.9	986.6	975.1	960.4	950.5	935.3	915.5	898.2
5°	1103.6	1097.7	1099.0	1087.8	1077.9	1058.9	1028.7	1011.9	986.0	946.2	909.1
7.5°	1100.5	1107.4	1111.2	1120.8	1123.6	1121.8	1094.7	1071.3	1042.9	983.0	927.2
10°	986.6	999.5	1011.2	1044.2	1084.3	1135.0	1141.4	1127.4	1098.7	1030.0	948.7
12.5°	862.4	872.3	882.7	922.3	983.8	1085.3	1154.1	1162.7	1151.3	1076.4	973.1
15°	801.5	806.1	816.0	842.1	891.1	1003.8	1132.0	1169.8	1190.4	1125.6	1000.5
17.5°	799.0	801.0	805.8	819.8	853.8	940.9	1092.1	1155.6	1221.1	1177.7	1032.5
20°	851.5	846.2	843.2	842.9	859.6	919.8	1053.6	1132.7	1235.5	1231.0	1066.8
22.5°	924.4	926.1	919.5	903.3	901.3	934.8	1034.3	1109.6	1239.9	1278.2	1098.5
25°	1027.7	1036.6	1017.0	986.0	970.8	978.2	1046.2	1102.5	1239.3	1317.5	1118.3
27.5°	1148.2	1155.1	1135.3	1094.7	1063.2	1045.4	1081.7	1123.6	1243.7	1351.5	1130.2
30°	1285.5	1287.8	1260.7	1218.0	1172.1	1134.0	1140.9	1167.0	1265.7	1396.2	1144.2
32.5°	1453.3	1463.0	1421.8	1354.3	1290.1	1241.4	1220.3	1237.1	1313.5	1449.0	1165.7
35°	1666.3	1669.6	1617.3	1520.6	1429.7	1362.2	1318.0	1326.9	1386.0	1522.8	1198.2
37.5°	1867.0	1870.3	1814.7	1724.9	1594.9	1502.5	1438.6	1434.5	1478.9	1627.2	1251.3
40°	1994.4	2003.8	1978.9	1922.6	1798.5	1673.9	1587.1	1573.1	1600.8	1754.8	1325.1
42.5°	2063.0	2067.0	2066.5	2073.9	2000.0	1876.1	1754.6	1726.7	1745.2	1892.6	1399.8
45°	2063.5	2073.6	2100.8	2171.6	2174.9	2097.7	1966.3	1922.6	1905.6	2031.5	1477.7
47.5°	1971.1	1982.0	2056.6	2195.9	2298.7	2316.3	2219.8	2132.2	2060.7	2151.0	1541.6
50°	1691.4	1718.8	1860.9	2107.4	2323.1	2491.4	2461.7	2342.9	2198.5	2243.4	1581.7
52.5°	1448.5	1447.5	1535.0	1857.1	2221.3	2568.5	2695.7	2559.7	2334.8	2302.0	1591.9
55°	1060.7	1066.5	1156.1	1420.3	1949.8	2493.9	2824.4	2759.1	2491.1	2333.3	1587.8
57.5°	550.0	578.9	670.8	906.3	1481.5	2237.1	2790.1	2833.5	2650.0	2355.3	1593.2
60°	277.9	272.3	305.3	432.7	858.4	1747.2	2578.9	2717.3	2678.7	2372.6	1596.5
62.5°	185.5	184.0	174.9	200.5	350.8	1034.8	2198.5	2392.4	2479.5	2332.0	1554.3
65°	160.7	157.6	140.9	139.8	170.3	429.2	1611.4	1880.7	2049.2	2151.5	1453.6
67.5°	144.7	140.1	123.1	114.7	122.3	188.6	908.1	1261.4	1513.2	1819.6	1232.7
70°	129.2	126.9	109.9	97.7	97.0	115.0	334.5	651.0	925.9	1241.4	901.3
72.5°	115.7	111.7	97.2	85.5	79.7	81.5	145.2	250.8	479.2	774.4	539.1
75°	100.3	97.2	84.5	72.8	65.7	59.6	88.6	116.0	218.5	368.0	254.6
77.5°	77.4	75.4	66.8	57.9	53.8	44.4	53.8	73.1	101.0	155.1	132.5
80°	44.9	46.2	49.7	45.2	39.6	31.7	35.0	42.1	60.7	84.0	75.1
82.5°	22.6	24.1	32.2	26.1	23.6	18.5	20.8	24.9	31.7	46.4	29.4
85°	1.8	1.8	5.8	6.6	8.1	6.6	8.4	10.2	14.5	18.5	9.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.3	2.3	4.3	2.8
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: P629612
 CATALOG NUMBER: GWS-SA1C-722-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0
2.5°	886.6	873.6	858.1	845.4	825.9	815.5	802.3	786.0	779.4	776.4	774.6
5°	888.3	865.5	832.5	802.0	768.3	741.6	711.9	681.0	663.2	658.9	655.8
7.5°	894.9	862.9	810.4	760.2	697.5	639.3	582.7	526.7	498.0	487.1	486.0
10°	904.1	861.9	788.1	704.6	598.7	506.9	440.6	396.7	378.2	372.1	370.1
12.5°	915.5	861.2	758.6	627.4	484.8	398.0	360.2	353.0	355.6	355.1	355.1
15°	930.0	862.2	723.1	540.1	392.1	345.4	346.2	354.6	362.4	363.7	363.7
17.5°	945.7	861.2	671.6	452.5	336.5	333.0	344.7	356.3	363.5	364.5	364.5
20°	962.7	856.3	606.6	370.1	312.2	325.1	337.8	347.0	351.3	352.3	352.3
22.5°	972.8	842.6	536.0	313.2	296.7	312.7	321.1	330.5	331.0	322.8	322.6
25°	971.3	817.0	455.6	276.7	280.2	294.2	304.8	298.2	290.1	285.5	284.8
27.5°	961.7	778.4	373.6	249.0	260.7	276.4	273.1	267.5	265.5	260.4	259.9
30°	949.5	731.0	300.0	227.4	240.4	254.8	249.7	249.2	247.2	241.6	241.6
32.5°	937.8	682.0	244.4	211.4	227.4	228.4	235.5	236.0	235.0	225.4	224.4
35°	934.5	633.0	206.9	198.7	214.7	214.2	224.4	224.1	206.6	193.1	192.9
37.5°	944.4	583.3	184.5	188.3	197.2	203.8	211.9	197.2	191.4	183.2	182.7
40°	965.5	537.3	173.1	182.2	186.0	195.7	183.0	184.0	182.5	176.4	175.6
42.5°	993.4	498.2	166.8	180.2	179.7	182.2	168.3	172.3	174.6	170.1	169.3
45°	1020.3	464.2	163.5	172.6	175.1	160.4	157.6	161.4	165.0	163.2	162.4
47.5°	1040.1	434.8	161.7	162.2	169.3	153.0	148.5	150.3	154.6	155.3	155.1
50°	1046.2	409.6	159.6	153.6	152.0	145.7	142.1	141.6	146.7	150.3	150.8
52.5°	1034.5	387.3	154.3	145.9	138.6	139.6	138.3	135.8	140.9	145.7	146.2
55°	1017.3	374.6	145.9	138.6	129.9	134.0	134.5	132.2	135.5	138.8	138.8
57.5°	1018.5	382.0	137.8	131.7	122.3	127.7	130.5	129.4	129.4	132.0	132.2
60°	1026.9	392.6	132.5	123.1	114.7	120.3	126.7	125.6	123.4	126.7	126.7
62.5°	1002.8	378.4	128.9	114.7	106.6	113.2	120.8	120.3	117.8	123.1	123.6
65°	931.7	340.4	124.9	104.3	98.5	106.1	112.7	114.5	112.2	119.3	120.6
67.5°	781.0	286.3	117.0	94.4	90.4	97.5	103.8	106.3	104.6	112.9	114.0
70°	582.2	231.7	104.6	83.5	80.5	86.8	92.6	93.7	93.9	103.8	104.8
72.5°	371.3	180.2	88.1	71.3	69.0	73.9	78.2	82.2	84.0	93.4	93.1
75°	207.1	134.0	70.8	60.4	56.3	60.2	65.2	70.1	75.1	88.8	90.4
77.5°	119.3	94.2	56.1	48.5	43.7	47.7	52.0	58.9	74.1	86.0	84.5
80°	67.3	61.2	42.4	35.5	32.5	35.5	38.8	51.8	58.4	63.5	64.2
82.5°	31.5	34.3	28.9	21.8	21.8	23.9	26.9	40.1	44.2	36.0	31.5
85°	11.4	15.5	14.2	11.2	9.9	9.6	16.8	22.8	14.2	12.7	10.9
87.5°	3.0	4.3	4.1	2.8	1.5	1.3	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)