

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: P629337

Luminaire Tested: GWS-SA1B-740-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629337
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-SA1B-740-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3649.7 lumens
Efficiency: N/A
Efficacy: 146.0 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

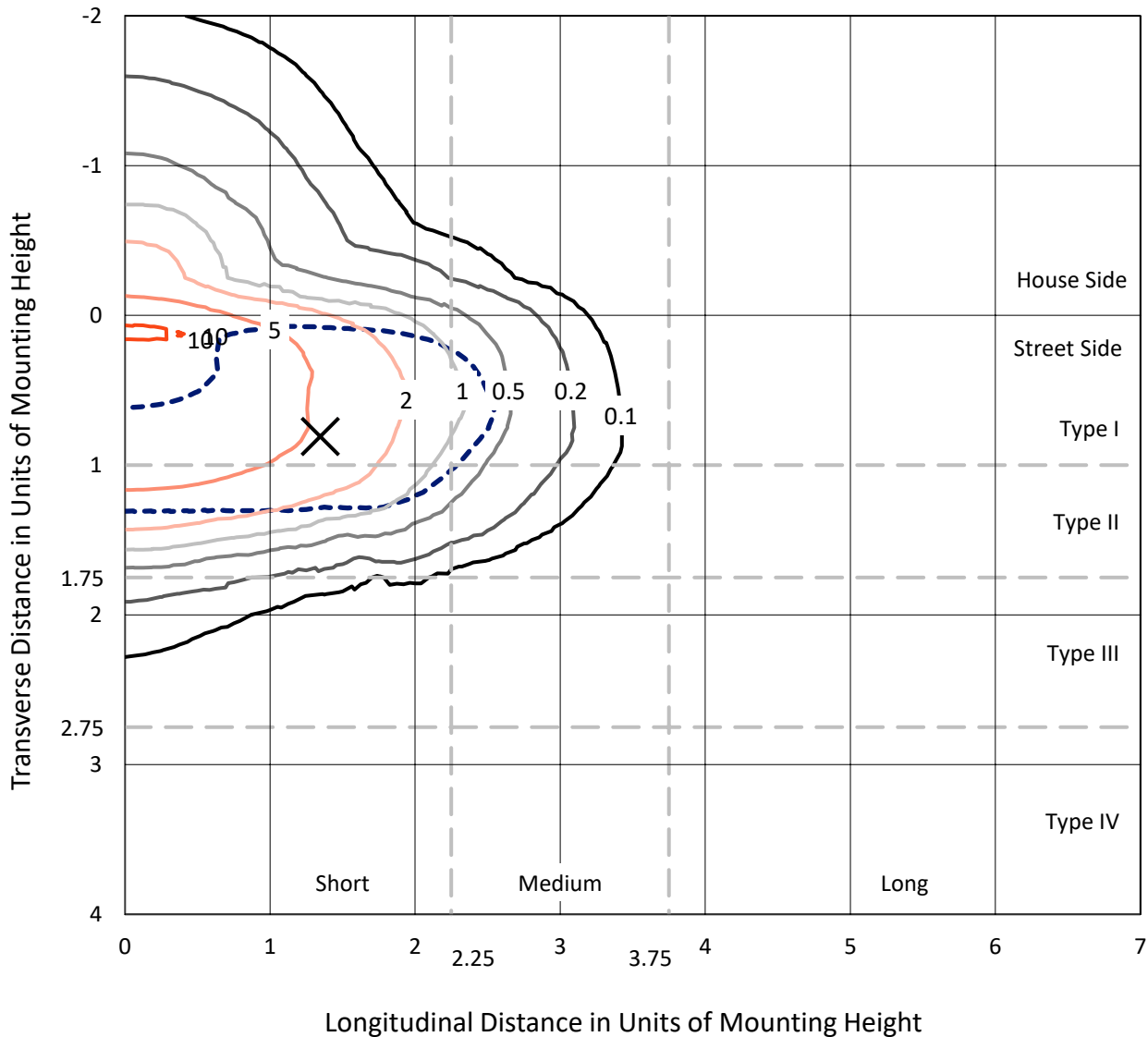


REPORT NUMBER: P629337

CATALOG NUMBER: GWS-SA1B-740-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

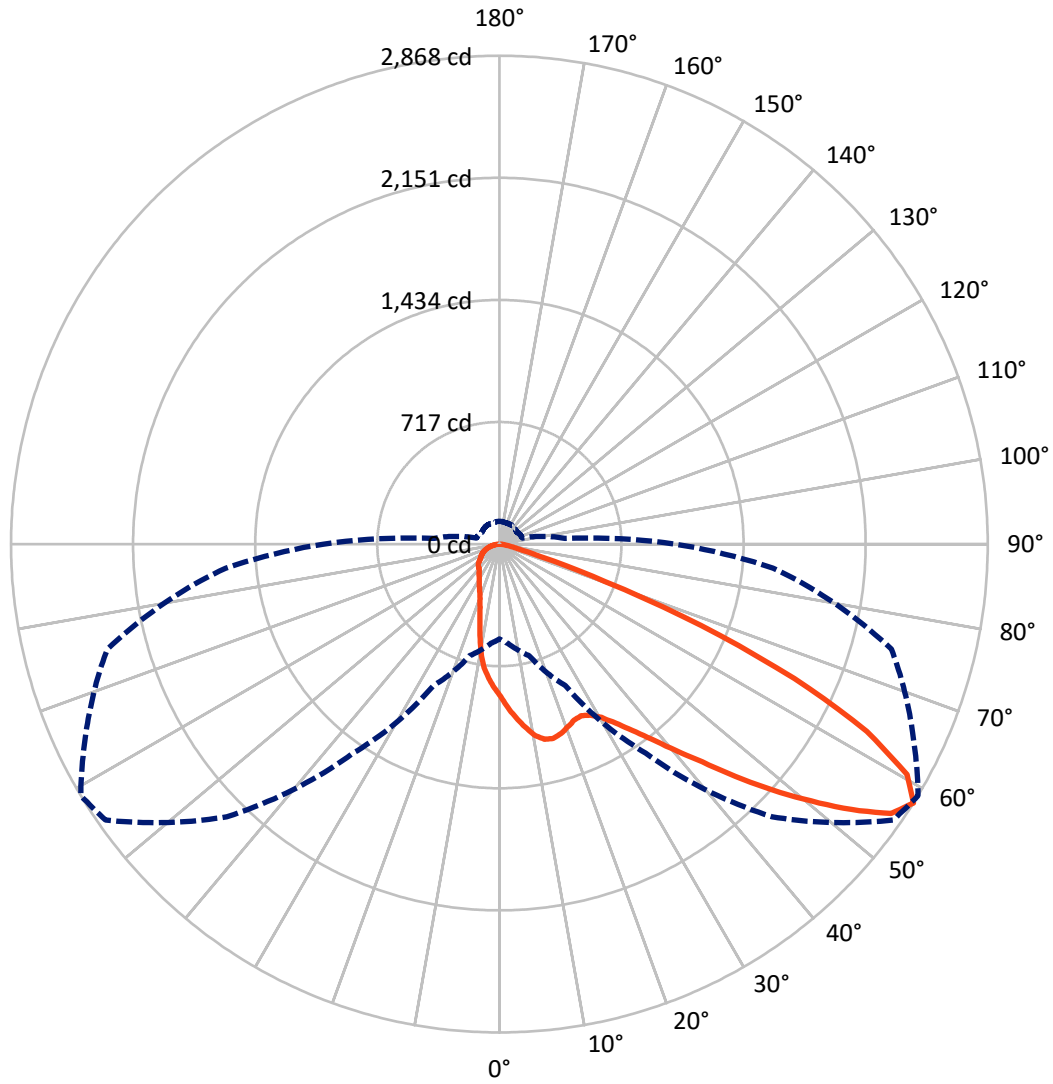
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Short - N/A

REPORT NUMBER: P629337
CATALOG NUMBER: GWS-SA1B-740-U-AFL-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629337

CATALOG NUMBER: GWS-SA1B-740-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	566.4	0.0	566.4
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	3083.3	0.0	3083.3
	% Fixture	84.5	0.0	84.5
Total	Lumens	3649.7	0.0	3649.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	2.3
10°-20°	210.8	5.8
20°-30°	341.7	9.4
30°-40°	549.7	15.1
40°-50°	853.6	23.4
50°-60°	919.4	25.2
60°-70°	533.6	14.6
70°-80°	139.3	3.8
80°-90°	18.4	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°	3649.7	100.0
0°-180°	3649.7	100.0

Coefficient of Utilization



REPORT NUMBER: P629337

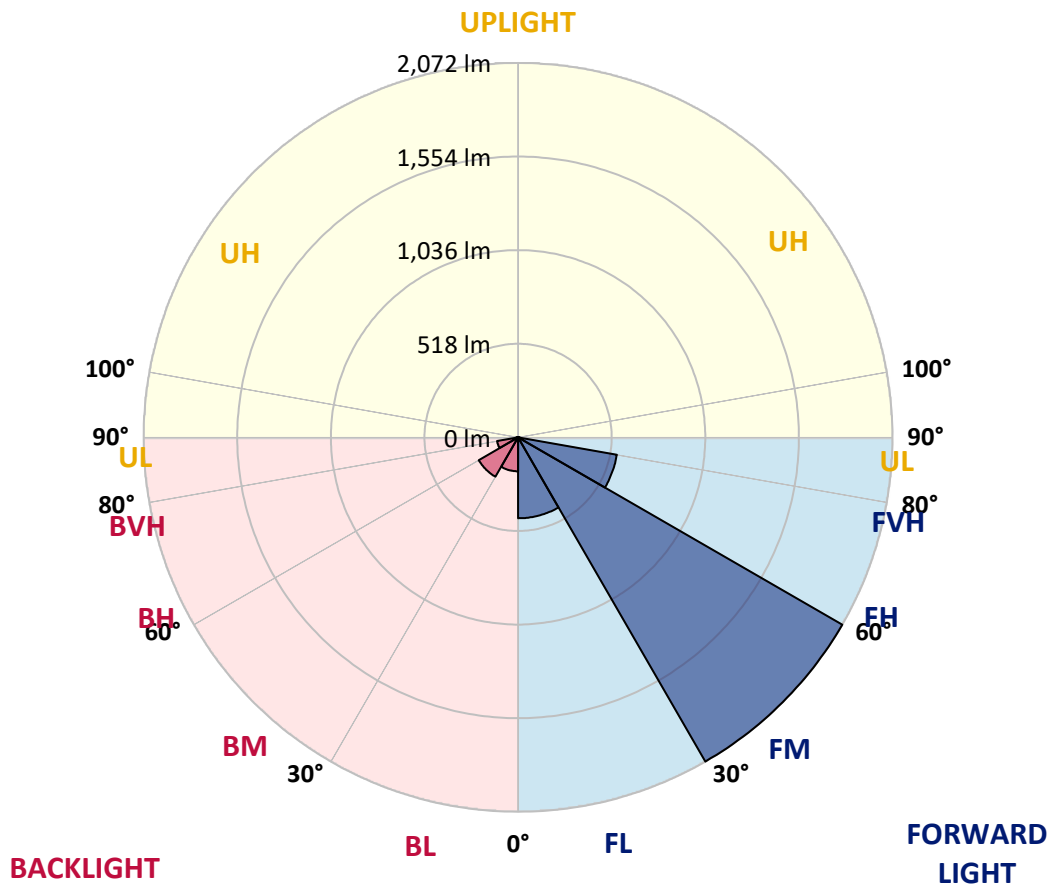
CATALOG NUMBER: GWS-SA1B-740-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.8	12.3			
FM (30°-60°)	2071.6	56.8			
FH (60°-80°)	555.1	15.2			G0/660
FVH (80°-90°)	8.8	0.2			G0/10
BL (0°-30°)	187.9	5.1	B1/500		
BM (30°-60°)	251.1	6.9	B1/1000		
BH (60°-80°)	117.8	3.2	B1/500		G1/500
BVH (80°-90°)	9.6	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: P629337
 CATALOG NUMBER: GWS-SA1B-740-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9
2.5°	1016.2	1007.7	1013.6	1003.1	998.7	987.1	972.2	962.2	946.8	926.8	909.3
5°	1117.1	1111.2	1112.5	1101.2	1091.2	1071.9	1041.4	1024.4	998.2	957.8	920.3
7.5°	1114.1	1121.0	1124.9	1134.6	1137.4	1135.6	1108.2	1084.5	1055.7	995.1	938.6
10°	998.7	1011.8	1023.6	1057.0	1097.6	1149.0	1155.4	1141.3	1112.3	1042.6	960.4
12.5°	873.1	883.1	893.6	933.7	995.9	1098.6	1168.3	1177.0	1165.5	1089.7	985.1
15°	811.4	816.0	826.0	852.5	902.1	1016.2	1145.9	1184.2	1205.0	1139.5	1012.8
17.5°	808.8	810.9	815.8	829.9	864.3	952.5	1105.6	1169.8	1236.1	1192.2	1045.2
20°	862.0	856.6	853.5	853.3	870.2	931.1	1066.5	1146.7	1250.8	1246.1	1079.9
22.5°	935.8	937.6	930.9	914.4	912.4	946.3	1047.0	1123.3	1255.1	1293.9	1112.0
25°	1040.3	1049.3	1029.5	998.2	982.8	990.2	1059.1	1116.1	1254.6	1333.7	1132.1
27.5°	1162.4	1169.3	1149.3	1108.2	1076.3	1058.3	1095.1	1137.4	1259.0	1368.2	1144.1
30°	1301.4	1303.7	1276.2	1233.0	1186.5	1148.0	1154.9	1181.4	1281.3	1413.4	1158.3
32.5°	1471.2	1481.0	1439.3	1371.0	1306.0	1256.7	1235.3	1252.3	1329.6	1466.8	1180.1
35°	1686.8	1690.1	1637.2	1539.3	1447.3	1379.0	1334.3	1343.3	1403.1	1541.6	1213.0
37.5°	1890.0	1893.3	1837.1	1746.1	1614.6	1521.0	1456.3	1452.2	1497.2	1647.2	1266.7
40°	2019.0	2028.5	2003.3	1946.3	1820.6	1694.5	1606.6	1592.5	1620.5	1776.4	1341.5
42.5°	2088.4	2092.5	2092.0	2099.4	2024.6	1899.3	1776.2	1747.9	1766.7	1916.0	1417.0
45°	2088.9	2099.1	2126.6	2198.3	2201.7	2123.6	1990.5	1946.3	1929.1	2056.5	1495.9
47.5°	1995.3	2006.4	2081.9	2223.0	2327.0	2344.8	2247.1	2158.5	2086.0	2177.5	1560.6
50°	1712.2	1740.0	1883.8	2133.3	2351.7	2522.1	2492.0	2371.8	2225.6	2271.0	1601.2
52.5°	1466.3	1465.3	1553.9	1880.0	2248.7	2600.2	2728.9	2591.2	2363.5	2330.4	1611.5
55°	1073.7	1079.6	1170.3	1437.8	1973.8	2524.6	2859.2	2793.1	2521.8	2362.0	1607.4
57.5°	556.8	586.1	679.1	917.5	1499.7	2264.6	2824.5	2868.4	2682.6	2384.3	1612.8
60°	281.3	275.7	309.1	438.1	869.0	1768.7	2610.7	2750.7	2711.7	2401.8	1616.1
62.5°	187.8	186.3	177.0	203.0	355.1	1047.5	2225.6	2421.9	2510.0	2360.7	1573.5
65°	162.6	159.6	142.6	141.6	172.4	434.5	1631.3	1903.9	2074.5	2178.0	1471.5
67.5°	146.5	141.8	124.6	116.1	123.8	190.9	919.3	1277.0	1531.8	1842.0	1247.9
70°	130.8	128.5	111.3	98.9	98.1	116.4	338.6	659.0	937.3	1256.7	912.4
72.5°	117.2	113.1	98.4	86.6	80.7	82.5	147.0	253.9	485.1	783.9	545.7
75°	101.5	98.4	85.6	73.7	66.5	60.4	89.7	117.4	221.2	372.6	257.7
77.5°	78.4	76.3	67.6	58.6	54.5	45.0	54.5	74.0	102.3	157.0	134.1
80°	45.5	46.8	50.4	45.7	40.1	32.1	35.5	42.7	61.4	85.0	76.1
82.5°	22.9	24.4	32.6	26.5	23.9	18.8	21.1	25.2	32.1	47.0	29.8
85°	1.8	1.8	5.9	6.7	8.2	6.7	8.5	10.3	14.6	18.8	10.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.3	2.3	4.4	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: P629337
 CATALOG NUMBER: GWS-SA1B-740-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9	895.9
2.5°	897.5	884.4	868.7	855.8	836.1	825.5	812.2	795.7	789.0	786.0	784.2
5°	899.3	876.1	842.7	811.9	777.7	750.8	720.7	689.4	671.4	667.0	663.9
7.5°	905.9	873.6	820.4	769.5	706.1	647.2	589.9	533.1	504.1	493.1	492.0
10°	915.2	872.5	797.8	713.2	606.1	513.1	446.0	401.6	382.8	376.7	374.6
12.5°	926.8	871.8	768.0	635.1	490.7	402.9	364.6	357.4	360.0	359.5	359.5
15°	941.4	872.8	732.0	546.8	397.0	349.7	350.5	358.9	366.9	368.2	368.2
17.5°	957.3	871.8	679.8	458.1	340.7	337.1	348.9	360.7	367.9	369.0	369.0
20°	974.6	866.9	614.1	374.6	316.0	329.1	342.0	351.2	355.6	356.6	356.6
22.5°	984.8	853.0	542.6	317.1	300.4	316.5	325.0	334.5	335.0	326.8	326.6
25°	983.3	827.1	461.2	280.1	283.7	297.8	308.6	301.9	293.7	289.1	288.3
27.5°	973.5	788.0	378.2	252.1	263.9	279.8	276.5	270.8	268.8	263.6	263.1
30°	961.2	740.0	303.7	230.2	243.3	258.0	252.8	252.3	250.3	244.6	244.6
32.5°	949.4	690.4	247.4	214.0	230.2	231.2	238.4	238.9	237.9	228.2	227.1
35°	946.0	640.8	209.4	201.2	217.4	216.9	227.1	226.9	209.1	195.5	195.3
37.5°	956.1	590.4	186.8	190.6	199.6	206.3	214.5	199.6	193.7	185.5	185.0
40°	977.4	543.9	175.2	184.5	188.3	198.1	185.2	186.3	184.7	178.6	177.8
42.5°	1005.6	504.4	168.8	182.4	181.9	184.5	170.3	174.5	176.8	172.1	171.4
45°	1032.9	469.9	165.5	174.7	177.3	162.4	159.6	163.4	167.0	165.2	164.4
47.5°	1052.9	440.1	163.7	164.2	171.4	154.9	150.3	152.1	156.5	157.2	157.0
50°	1059.1	414.7	161.6	155.4	153.9	147.5	143.9	143.4	148.5	152.1	152.6
52.5°	1047.3	392.1	156.2	147.7	140.3	141.3	140.0	137.5	142.6	147.5	148.0
55°	1029.8	379.2	147.7	140.3	131.6	135.7	136.2	133.9	137.2	140.5	140.5
57.5°	1031.1	386.7	139.5	133.3	123.8	129.2	132.1	131.0	131.0	133.6	133.9
60°	1039.6	397.5	134.1	124.6	116.1	121.8	128.2	127.2	124.9	128.2	128.2
62.5°	1015.1	383.1	130.5	116.1	107.9	114.6	122.3	121.8	119.2	124.6	125.1
65°	943.2	344.5	126.4	105.6	99.7	107.4	114.1	115.9	113.6	120.8	122.0
67.5°	790.6	289.8	118.4	95.6	91.5	98.7	105.1	107.7	105.9	114.3	115.4
70°	589.4	234.6	105.9	84.5	81.4	87.9	93.8	94.8	95.1	105.1	106.1
72.5°	375.9	182.4	89.2	72.2	69.9	74.8	79.1	83.2	85.0	94.6	94.3
75°	209.7	135.7	71.7	61.2	57.0	60.9	66.0	70.9	76.1	89.9	91.5
77.5°	120.8	95.3	56.8	49.1	44.2	48.3	52.7	59.6	75.0	87.1	85.6
80°	68.1	61.9	42.9	36.0	32.9	36.0	39.3	52.4	59.1	64.2	65.0
82.5°	31.9	34.7	29.3	22.1	22.1	24.2	27.2	40.6	44.7	36.5	31.9
85°	11.6	15.7	14.4	11.3	10.0	9.8	17.0	23.1	14.4	12.8	11.0
87.5°	3.1	4.4	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)