

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: P629417

Luminaire Tested: GWS-SA1B-750-U-T2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-T2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2746.2 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

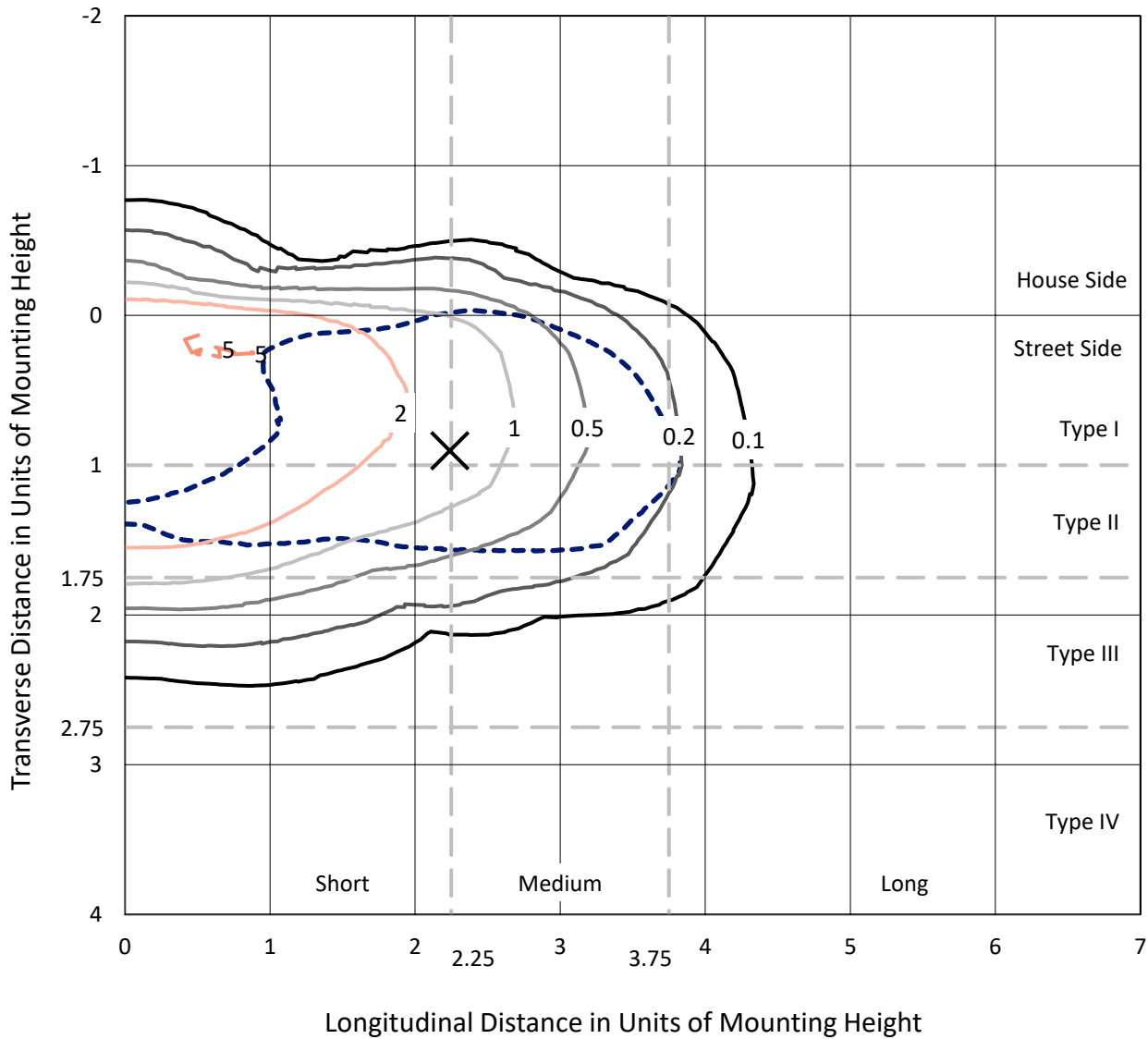
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P629417  
 CATALOG NUMBER: GWS-SA1B-750-U-T2-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

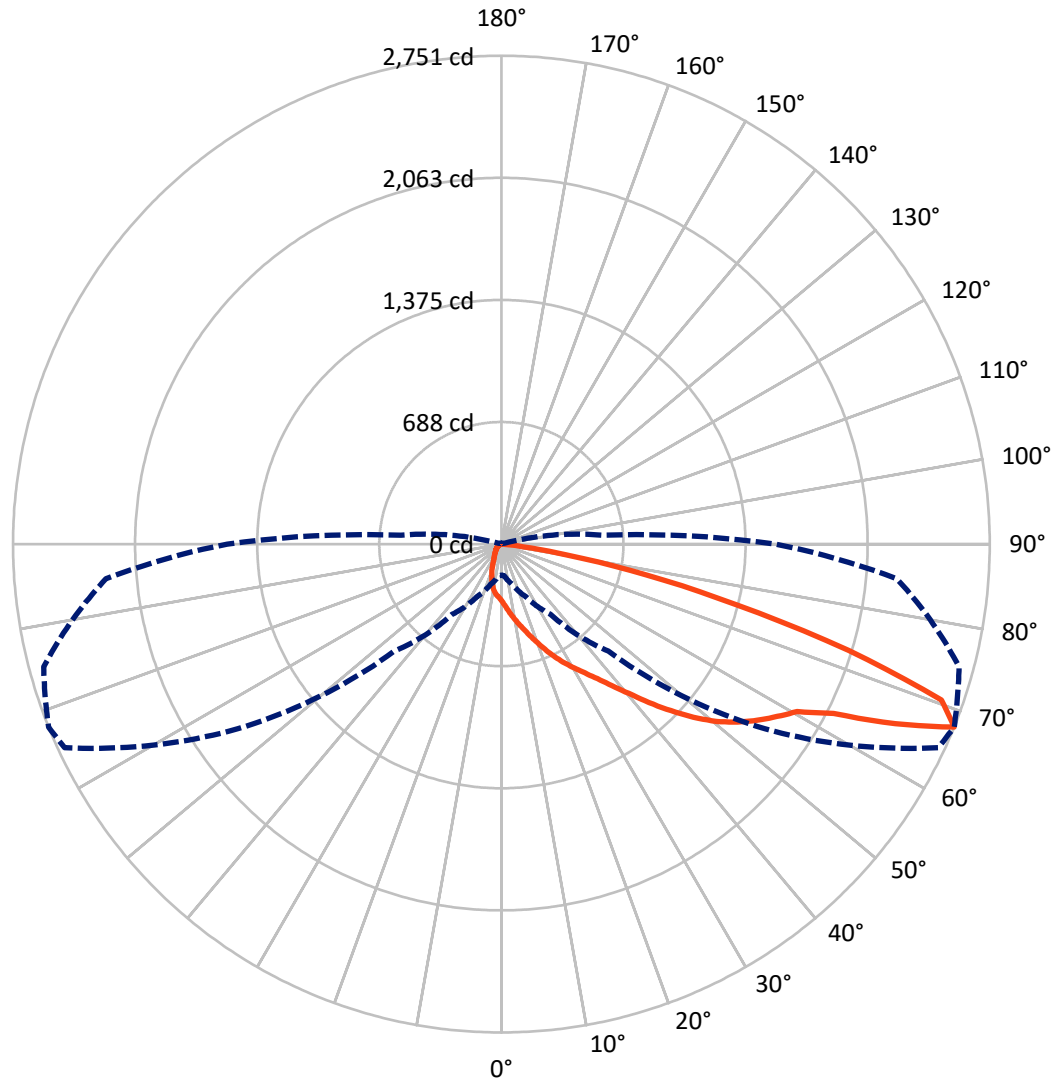
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P629417  
CATALOG NUMBER: GWS-SA1B-750-U-T2-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629417

CATALOG NUMBER: GWS-SA1B-750-U-T2-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	198.3	0.0	198.3
	% Fixture	7.2	0.0	7.2
<b>Street Side</b>	Lumens	2547.9	0.0	2547.9
	% Fixture	92.8	0.0	92.8
<b>Total</b>	Lumens	2746.2	0.0	2746.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.2	1.1
10°-20°	89.5	3.3
20°-30°	153.8	5.6
30°-40°	267.4	9.7
40°-50°	466.7	17.0
50°-60°	703.8	25.6
60°-70°	705.8	25.7
70°-80°	311.4	11.3
80°-90°	16.6	0.6
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°	2746.2	100.0
0°-180°	2746.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629417

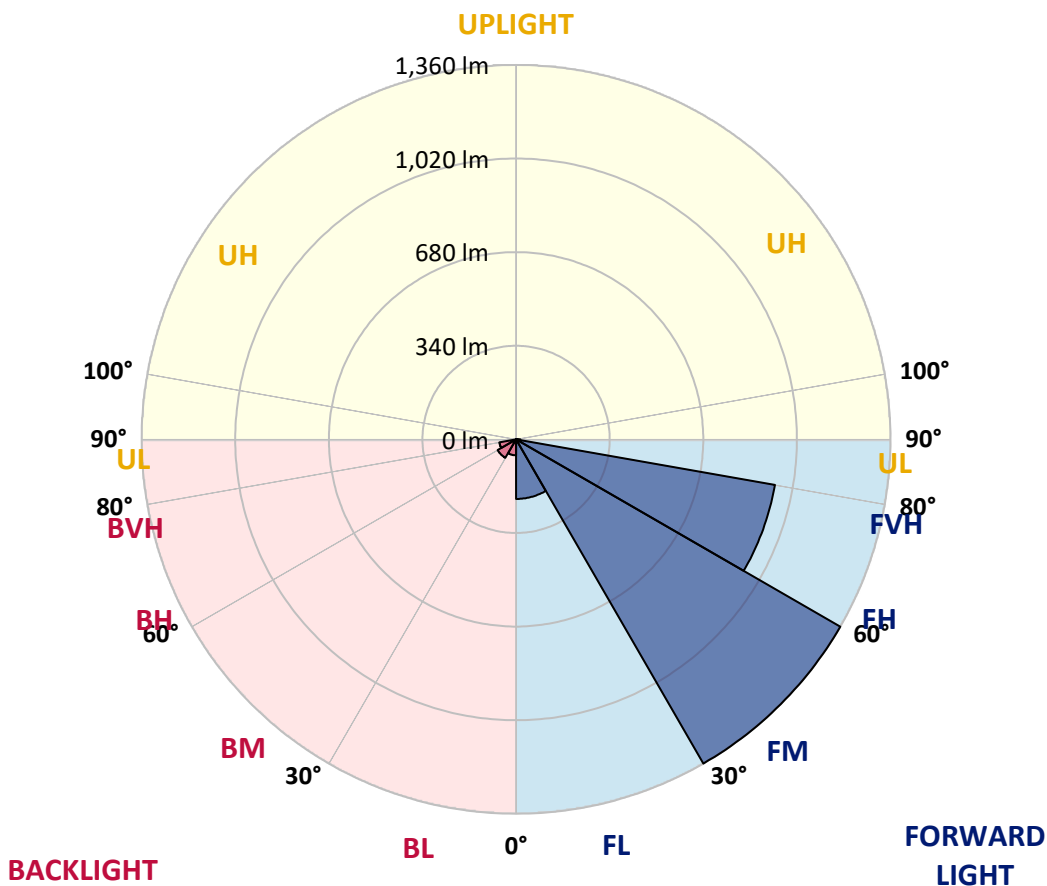
CATALOG NUMBER: GWS-SA1B-750-U-T2-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.5	7.9			
FM (30°-60°)	1360.5	49.5			
FH (60°-80°)	955.3	34.8			G1/1800
FVH (80°-90°)	15.7	0.6			G1/100
BL (0°-30°)	58.0	2.1	B0/110		
BM (30°-60°)	77.5	2.8	B0/220		
BH (60°-80°)	61.9	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Short





REPORT NUMBER: P629417

CATALOG NUMBER: GWS-SA1B-750-U-T2-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6
2.5°	372.2	374.5	372.2	372.7	365.8	362.7	355.9	346.4	344.0	338.0	328.8
5°	417.6	419.7	417.4	416.8	408.9	403.2	391.9	375.6	370.8	359.0	340.9
7.5°	442.3	443.6	444.4	445.7	442.8	438.1	427.9	407.6	402.6	383.5	358.0
10°	445.0	446.0	449.9	457.8	463.6	466.5	460.7	442.1	434.2	415.5	379.0
12.5°	437.6	439.2	445.5	458.6	474.7	489.4	493.0	476.8	469.7	445.7	403.7
15°	427.9	429.2	437.9	455.7	479.9	507.0	522.2	515.1	507.2	482.3	431.0
17.5°	412.9	414.7	426.8	451.0	482.3	520.9	553.8	556.1	550.6	523.5	461.2
20°	404.5	405.8	416.6	441.5	480.7	531.2	583.2	605.5	599.5	571.1	495.9
22.5°	411.6	412.6	419.7	439.2	475.4	536.9	610.5	654.9	651.5	622.1	532.5
25°	448.9	452.3	448.1	451.5	477.8	540.1	632.6	704.4	705.1	675.4	570.3
27.5°	524.6	520.1	510.1	493.0	496.2	548.5	651.5	750.9	757.7	727.5	604.0
30°	601.6	599.0	592.9	566.4	544.3	567.2	667.6	798.4	809.2	778.7	633.9
32.5°	688.1	690.7	679.9	648.1	610.5	605.0	684.1	843.6	863.9	836.8	669.1
35°	791.3	792.1	770.8	735.6	693.1	667.6	713.8	893.6	930.9	910.9	716.2
37.5°	892.0	896.7	885.2	829.7	791.9	745.4	763.0	957.7	1010.3	1002.4	775.3
40°	981.1	988.5	984.8	931.2	881.5	842.3	839.2	1032.9	1106.2	1115.1	853.4
42.5°	1052.1	1056.8	1059.7	1021.6	977.7	955.6	933.3	1120.1	1219.5	1256.0	949.0
45°	1127.0	1128.5	1134.6	1108.8	1070.5	1072.3	1044.4	1226.1	1338.8	1412.1	1058.9
47.5°	1222.4	1227.6	1224.7	1197.7	1163.0	1183.7	1159.3	1335.1	1456.5	1578.8	1171.4
50°	1338.5	1344.1	1341.4	1309.9	1271.3	1279.9	1264.7	1441.0	1570.1	1735.9	1264.9
52.5°	1398.5	1402.9	1435.5	1449.7	1429.5	1374.3	1354.6	1557.5	1666.0	1865.2	1350.9
55°	1369.5	1372.7	1443.7	1503.6	1577.7	1522.5	1445.0	1647.3	1750.6	1966.1	1414.8
57.5°	1249.7	1266.8	1363.2	1464.7	1620.5	1668.9	1591.6	1745.1	1832.1	2036.3	1477.6
60°	1004.0	1003.2	1141.4	1323.6	1537.0	1709.1	1798.7	1877.3	1913.8	2090.2	1561.7
62.5°	554.8	559.8	743.8	983.7	1304.6	1605.0	1954.1	2105.7	2100.2	2184.3	1693.3
65°	276.2	286.2	386.1	563.5	868.1	1326.4	1980.9	2454.2	2438.4	2405.8	1965.4
67.5°	175.3	179.2	234.4	327.5	482.5	852.6	1814.0	2714.1	2750.7	2668.7	2235.3
70°	113.5	120.1	162.9	223.9	291.2	439.4	1328.8	2545.7	2629.5	2639.8	2067.1
72.5°	61.8	66.5	104.1	159.8	210.3	219.7	746.4	1910.4	2045.3	2239.2	1617.1
75°	35.2	38.6	57.0	108.5	154.3	133.8	330.9	1278.9	1364.8	1600.3	1158.8
77.5°	21.3	24.2	32.1	52.8	96.7	89.4	125.1	778.5	833.1	954.8	608.2
80°	9.7	11.6	20.2	29.2	52.8	42.3	47.8	363.0	374.8	391.9	201.3
82.5°	4.5	5.3	9.2	17.3	30.0	24.4	18.4	83.8	118.0	111.7	51.2
85°	0.5	0.5	3.4	7.1	8.4	6.3	7.6	18.9	23.9	33.6	14.7
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	1.6	2.4	3.4	5.5	3.7
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: P629417

CATALOG NUMBER: GWS-SA1B-750-U-T2-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6	319.6
2.5°	324.6	317.2	310.7	300.9	294.4	287.0	282.0	276.0	273.6	271.8	269.1
5°	331.9	320.1	304.1	286.2	271.5	257.6	244.7	236.3	228.9	227.9	224.2
7.5°	344.0	326.4	299.4	270.2	245.2	222.1	203.9	189.2	181.9	179.5	175.3
10°	360.1	335.9	292.3	247.6	211.6	184.0	163.5	146.9	135.4	131.1	128.0
12.5°	377.9	344.6	281.0	219.7	178.7	147.2	121.2	103.6	96.2	93.6	91.2
15°	398.4	352.7	263.1	191.9	146.7	108.3	89.9	82.3	79.1	78.3	77.5
17.5°	418.1	358.0	241.8	162.9	112.7	84.1	75.4	72.5	71.7	71.0	70.4
20°	440.5	361.6	216.8	135.6	87.5	71.2	67.0	64.9	63.3	61.8	61.5
22.5°	463.3	361.6	189.8	108.8	73.3	63.9	59.1	55.2	52.3	50.7	50.2
25°	485.2	356.6	162.9	87.0	64.7	56.8	50.7	46.3	42.3	40.5	39.9
27.5°	500.7	343.8	139.6	73.6	58.6	50.5	43.1	38.1	35.0	33.1	32.9
30°	510.4	324.6	118.0	65.7	53.4	43.9	36.5	32.3	30.0	28.6	28.1
32.5°	517.8	300.9	98.8	60.2	48.4	38.1	31.8	28.4	26.3	25.2	25.0
35°	532.5	278.6	84.6	55.2	43.1	33.4	27.9	25.2	23.7	22.3	22.1
37.5°	553.0	259.9	73.3	50.7	38.1	29.7	25.2	22.9	21.6	20.2	20.0
40°	583.2	248.1	64.9	46.3	33.6	26.8	23.1	21.0	19.2	17.9	17.6
42.5°	629.7	242.6	59.4	41.8	29.7	24.2	21.3	18.7	16.8	15.5	15.2
45°	685.2	245.5	54.7	37.3	27.1	22.3	18.9	16.3	14.5	13.1	12.9
47.5°	744.6	255.7	50.7	33.1	24.4	20.5	16.8	13.9	12.4	11.0	10.8
50°	806.6	272.5	47.3	29.2	22.3	18.4	14.5	12.1	10.5	9.5	9.2
52.5°	860.5	295.4	43.9	26.3	20.5	16.3	12.6	10.5	8.9	7.9	7.6
55°	912.0	317.0	41.3	23.7	18.4	14.2	11.0	8.9	7.6	6.6	6.3
57.5°	968.0	339.8	38.1	21.3	16.6	12.6	9.7	7.6	6.6	5.5	5.3
60°	1049.4	373.7	33.4	19.4	14.5	11.0	8.4	6.8	5.8	4.5	4.2
62.5°	1166.9	435.5	28.1	16.8	12.4	9.5	7.1	5.8	4.7	3.7	3.2
65°	1386.6	540.6	23.1	13.9	10.0	7.9	6.0	4.7	3.7	2.6	2.4
67.5°	1544.8	568.0	18.7	11.3	8.1	6.0	5.0	3.7	2.6	1.8	1.6
70°	1350.6	407.9	14.5	9.2	6.8	4.7	3.9	2.9	1.8	1.3	1.1
72.5°	1017.6	266.5	10.8	7.1	5.3	3.9	2.9	2.4	1.6	1.1	0.8
75°	717.2	154.0	7.9	5.3	3.7	2.9	2.4	1.8	1.3	0.8	0.8
77.5°	367.7	63.6	5.5	3.7	2.6	1.8	1.6	1.1	1.1	0.8	0.5
80°	111.7	21.0	3.2	2.4	1.8	1.3	0.8	0.8	0.8	0.5	0.3
82.5°	25.5	6.8	1.8	1.8	1.3	1.1	0.8	0.3	0.3	0.0	0.0
85°	6.6	2.1	1.6	1.3	1.3	1.1	0.5	0.3	0.0	0.0	0.0
87.5°	2.4	1.3	1.3	1.3	1.1	0.8	0.5	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)