

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: P628793

Luminaire Tested: GWS-SA1A-735-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-735-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2223.4 lumens  
Efficiency: N/A  
Efficacy: 112.9 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

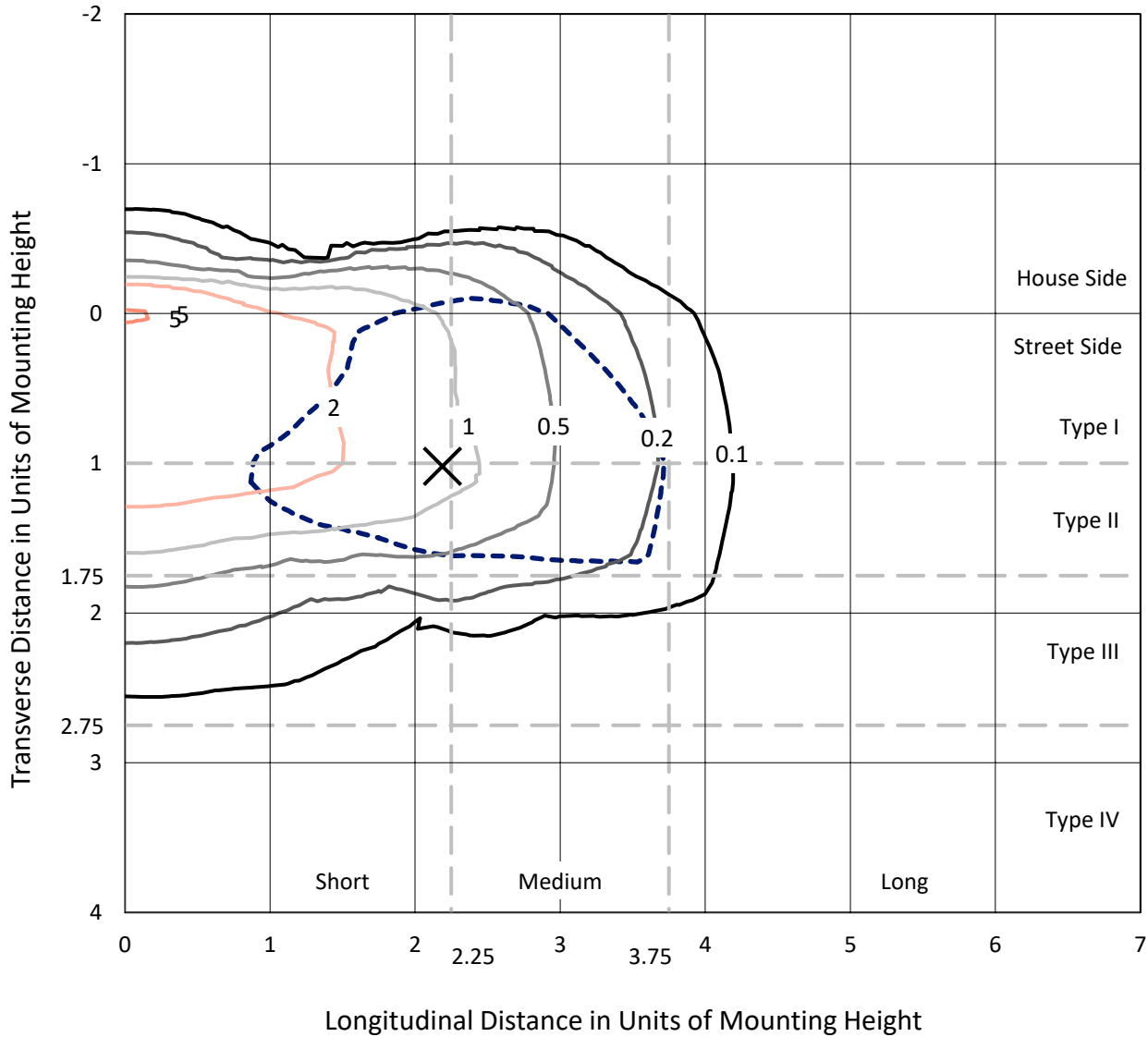
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P628793  
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### Iso-Footcandle Lines of Horizontal Illumination

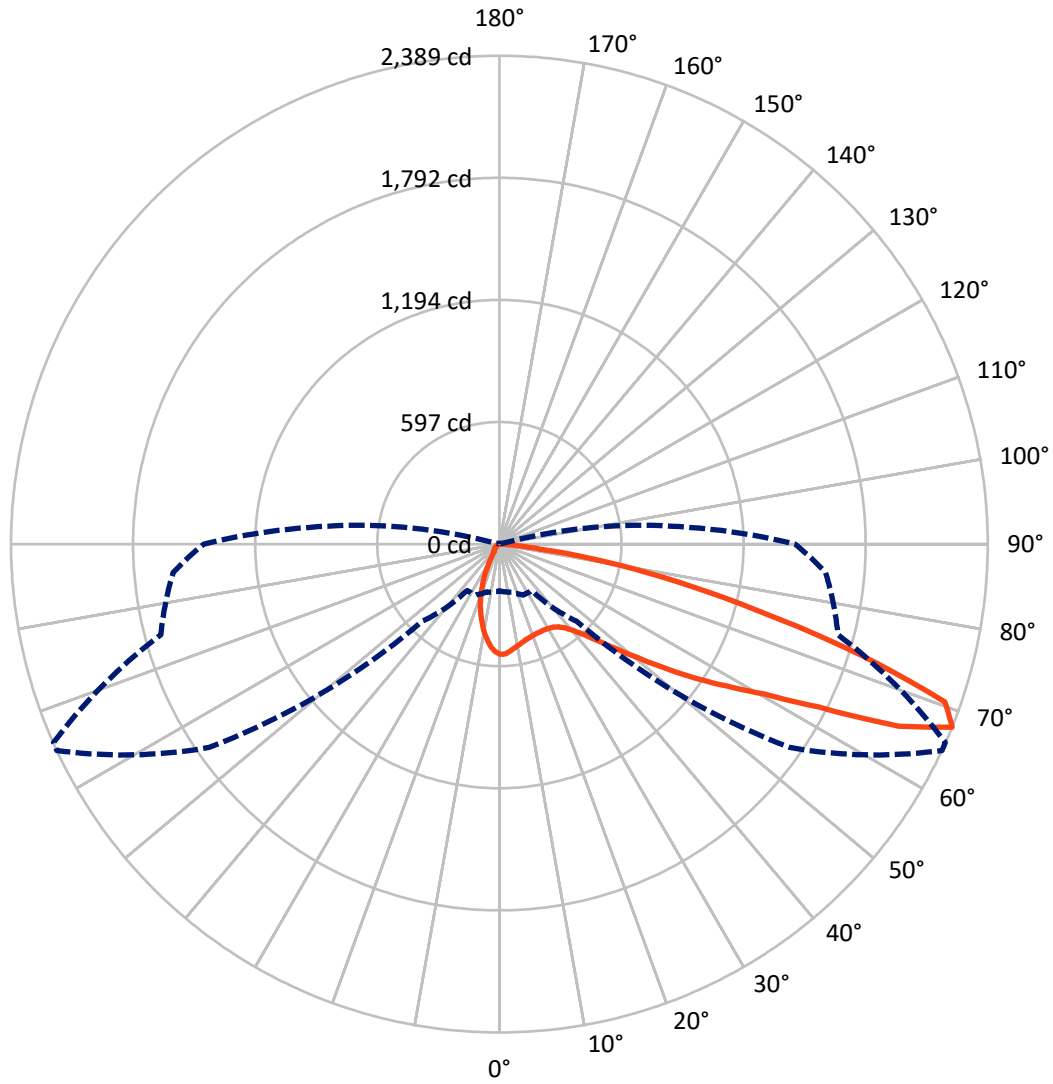
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P628793  
CATALOG NUMBER: GWS-SA1A-735-U-SL2-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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 CATALOG NUMBER: GWS-SA1A-735-U-SL2-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	277.6	0.0	277.6
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	1945.8	0.0	1945.8
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	2223.4	0.0	2223.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.8	2.0
10°-20°	100.7	4.5
20°-30°	143.9	6.5
30°-40°	209.3	9.4
40°-50°	327.8	14.7
50°-60°	511.4	23.0
60°-70°	561.7	25.3
70°-80°	298.9	13.4
80°-90°	24.9	1.1
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°	2223.4	100.0
0°-180°	2223.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P628793

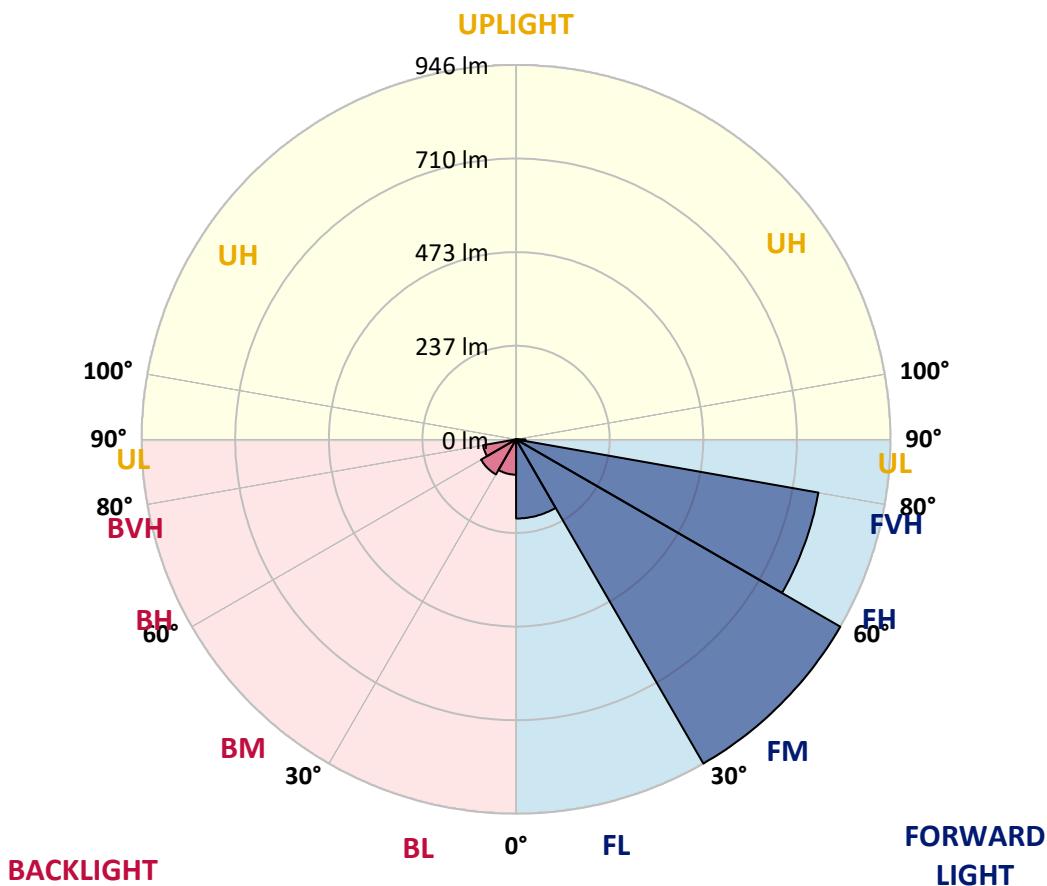
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.1	9.0			
FM (30°-60°)	946.2	42.6			
FH (60°-80°)	775.9	34.9			G1/1800
FVH (80°-90°)	23.6	1.1			G1/100
BL (0°-30°)	89.2	4.0	B0/110		
BM (30°-60°)	102.3	4.6	B0/220		
BH (60°-80°)	84.8	3.8	B0/110		G0/110
BVH (80°-90°)	1.3	0.1			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: P628793

CATALOG NUMBER: GWS-SA1A-735-U-SL2-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2
2.5°	520.5	522.2	519.9	525.4	526.4	532.4	535.8	538.2	538.0	541.1	541.1
5°	490.0	491.6	490.4	496.2	500.8	510.3	518.1	527.2	527.6	536.8	540.2
7.5°	464.0	464.2	464.2	471.5	477.5	489.2	500.8	514.7	516.3	530.6	539.6
10°	442.7	443.3	443.5	451.8	458.4	472.5	487.4	504.1	505.9	525.2	539.2
12.5°	428.1	428.3	429.1	437.7	444.9	459.6	474.7	493.8	496.2	518.9	537.4
15°	421.0	420.6	421.0	428.3	435.5	449.6	465.1	485.6	488.2	513.7	537.6
17.5°	420.6	420.0	419.6	425.0	429.7	442.1	457.8	480.1	482.9	511.3	539.8
20°	426.4	426.0	424.0	426.4	427.5	437.7	453.2	475.9	478.7	510.9	544.7
22.5°	441.7	440.7	437.7	435.5	430.1	436.1	450.0	472.9	476.1	511.9	550.9
25°	464.4	464.0	460.2	454.8	440.9	438.5	450.2	472.9	475.9	513.1	557.5
27.5°	498.6	496.2	491.4	481.9	462.0	448.0	454.2	474.1	477.1	514.7	563.0
30°	533.4	533.2	531.6	522.0	492.4	466.1	462.6	477.3	480.1	516.1	568.0
32.5°	569.4	570.0	574.0	566.6	534.2	493.0	477.9	484.0	486.0	518.9	572.4
35°	603.6	604.8	615.4	618.1	585.1	533.8	502.9	497.2	497.4	525.2	578.3
37.5°	636.4	640.4	657.5	670.1	648.4	583.3	538.8	519.7	518.1	537.6	587.1
40°	673.6	681.2	702.7	724.2	717.4	648.6	587.9	554.3	550.9	560.6	603.0
42.5°	714.8	723.0	751.6	781.7	784.9	727.6	649.2	604.8	599.0	599.2	632.7
45°	759.0	770.1	803.2	846.7	866.2	815.7	724.8	672.9	667.1	658.5	680.6
47.5°	817.1	826.8	858.7	908.8	946.2	910.2	823.9	760.6	750.0	737.3	755.0
50°	867.2	875.6	903.2	965.9	1043.7	1032.0	936.3	870.2	859.9	838.4	853.1
52.5°	878.2	884.9	910.2	980.8	1118.3	1185.9	1074.1	1002.7	995.5	955.6	961.3
55°	828.6	838.6	861.3	939.8	1137.8	1336.2	1252.8	1152.1	1137.0	1073.5	1083.5
57.5°	703.1	721.0	742.3	844.3	1084.9	1416.3	1502.5	1310.3	1296.6	1186.9	1187.1
60°	515.3	529.8	544.1	637.4	959.5	1410.8	1729.1	1488.0	1463.1	1279.5	1276.1
62.5°	374.8	382.2	382.0	415.2	658.9	1318.0	1848.1	1755.9	1697.8	1378.7	1359.2
65°	294.8	294.6	303.2	314.1	367.9	1017.4	1862.8	2146.9	2084.2	1511.6	1471.0
67.5°	229.4	233.8	242.5	274.4	276.5	532.4	1733.7	2388.8	2387.6	1714.4	1601.8
70°	176.9	183.0	195.2	241.9	255.3	298.0	1297.2	2312.2	2331.7	1805.1	1509.2
72.5°	113.6	113.2	131.3	195.4	245.3	248.3	717.4	1836.7	1858.8	1635.0	1220.2
75°	63.5	63.9	74.2	119.6	228.6	233.6	355.3	1309.7	1327.2	1274.7	937.5
77.5°	24.9	25.7	34.8	62.9	150.8	208.7	211.1	893.1	895.7	790.0	575.0
80°	10.1	10.7	17.7	39.0	91.9	140.5	150.8	526.2	515.5	305.8	167.3
82.5°	3.0	3.2	7.0	22.1	48.1	99.9	101.7	201.9	190.6	65.7	42.6
85°	0.2	0.2	1.6	6.8	17.1	25.1	67.8	65.7	58.3	16.5	18.9
87.5°	0.0	0.0	0.2	0.2	0.4	0.8	7.2	12.1	12.3	3.0	8.4
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: P628793  
 CATALOG NUMBER: GWS-SA1A-735-U-SL2-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2	539.2
2.5°	541.1	533.8	533.2	527.6	522.0	514.9	506.7	500.6	496.4	489.0	487.6
5°	540.2	530.6	521.6	505.5	487.6	468.3	451.4	435.7	425.8	419.2	416.4
7.5°	538.6	526.4	505.5	475.1	445.1	411.4	385.0	360.9	344.4	334.8	330.5
10°	537.4	520.9	487.0	440.9	394.5	347.8	307.8	272.0	252.1	236.4	233.8
12.5°	535.0	513.1	463.2	400.9	341.0	279.1	228.0	184.2	153.8	140.1	135.3
15°	532.6	504.9	439.5	358.7	282.7	206.3	144.4	102.1	81.2	74.8	74.4
17.5°	532.2	497.4	413.8	318.7	221.6	135.1	82.2	66.1	61.7	60.1	60.1
20°	533.4	491.2	388.4	272.6	161.5	82.2	61.3	57.3	54.7	53.3	53.3
22.5°	534.6	484.8	364.1	226.2	107.2	60.1	54.1	50.7	47.7	46.0	45.2
25°	535.4	477.7	337.2	179.5	70.0	52.3	47.5	43.0	39.4	37.4	37.4
27.5°	535.2	469.3	310.0	133.9	54.3	46.4	40.6	36.0	32.4	30.2	30.4
30°	533.6	460.0	281.9	93.5	47.5	40.6	34.8	30.0	26.3	24.5	24.3
32.5°	532.4	450.2	249.3	65.7	42.6	35.6	29.6	24.9	21.9	20.5	20.3
35°	531.0	440.5	218.4	50.1	38.4	30.8	24.9	21.1	18.7	17.5	17.5
37.5°	531.4	430.5	184.8	43.0	34.2	26.7	21.3	18.1	16.1	14.9	14.7
40°	537.6	424.4	151.8	39.0	30.4	23.1	18.5	15.7	13.7	12.5	12.3
42.5°	553.1	424.6	120.2	36.0	26.9	19.7	16.1	13.5	11.7	10.3	10.1
45°	584.1	433.1	92.3	32.8	23.3	17.1	13.9	11.5	9.7	8.4	8.2
47.5°	634.7	458.2	70.0	30.0	20.3	14.9	11.9	9.7	8.0	7.0	6.8
50°	715.4	503.7	55.1	26.5	17.1	12.9	10.1	8.0	6.6	5.6	5.4
52.5°	812.3	571.8	47.2	23.5	14.7	11.3	8.6	6.6	5.4	4.6	4.4
55°	923.7	653.2	43.6	20.5	12.5	9.7	7.0	5.4	4.4	3.8	3.4
57.5°	1025.8	726.6	43.4	17.5	10.7	8.2	5.8	4.6	3.8	3.0	2.8
60°	1125.3	788.0	40.8	14.5	9.2	6.8	5.0	3.8	3.2	2.6	2.4
62.5°	1215.6	837.8	34.2	11.7	7.8	5.6	4.2	3.4	2.8	2.2	2.2
65°	1329.0	901.4	26.1	9.4	6.4	4.6	3.6	3.0	2.6	2.0	2.0
67.5°	1446.2	934.9	18.7	7.8	5.2	4.0	3.2	2.8	2.2	1.8	1.8
70°	1309.9	790.0	13.5	6.4	4.4	3.4	2.8	2.6	2.2	1.8	1.6
72.5°	1023.0	569.6	10.1	5.0	3.8	3.2	2.6	2.4	2.0	1.6	1.6
75°	758.6	332.2	7.6	4.0	3.0	2.6	2.6	2.4	2.0	1.6	1.4
77.5°	412.4	115.8	5.8	3.2	2.4	2.0	2.2	2.2	1.8	1.4	1.2
80°	109.2	31.8	4.0	2.4	2.0	1.6	1.6	2.0	1.6	1.2	1.2
82.5°	31.8	9.2	2.8	2.0	1.6	1.4	1.4	1.4	1.2	1.0	0.8
85°	15.5	3.4	2.0	1.6	1.4	1.2	1.0	1.0	0.8	0.6	0.6
87.5°	6.8	1.4	1.6	1.4	1.4	1.0	0.8	0.6	0.6	0.4	0.2
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)