

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: P629288

Luminaire Tested: GWS-SA1B-735-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629288  
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-SA1B-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: 2802.2 lumens  
Efficiency: N/A  
Efficacy: 112.1 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

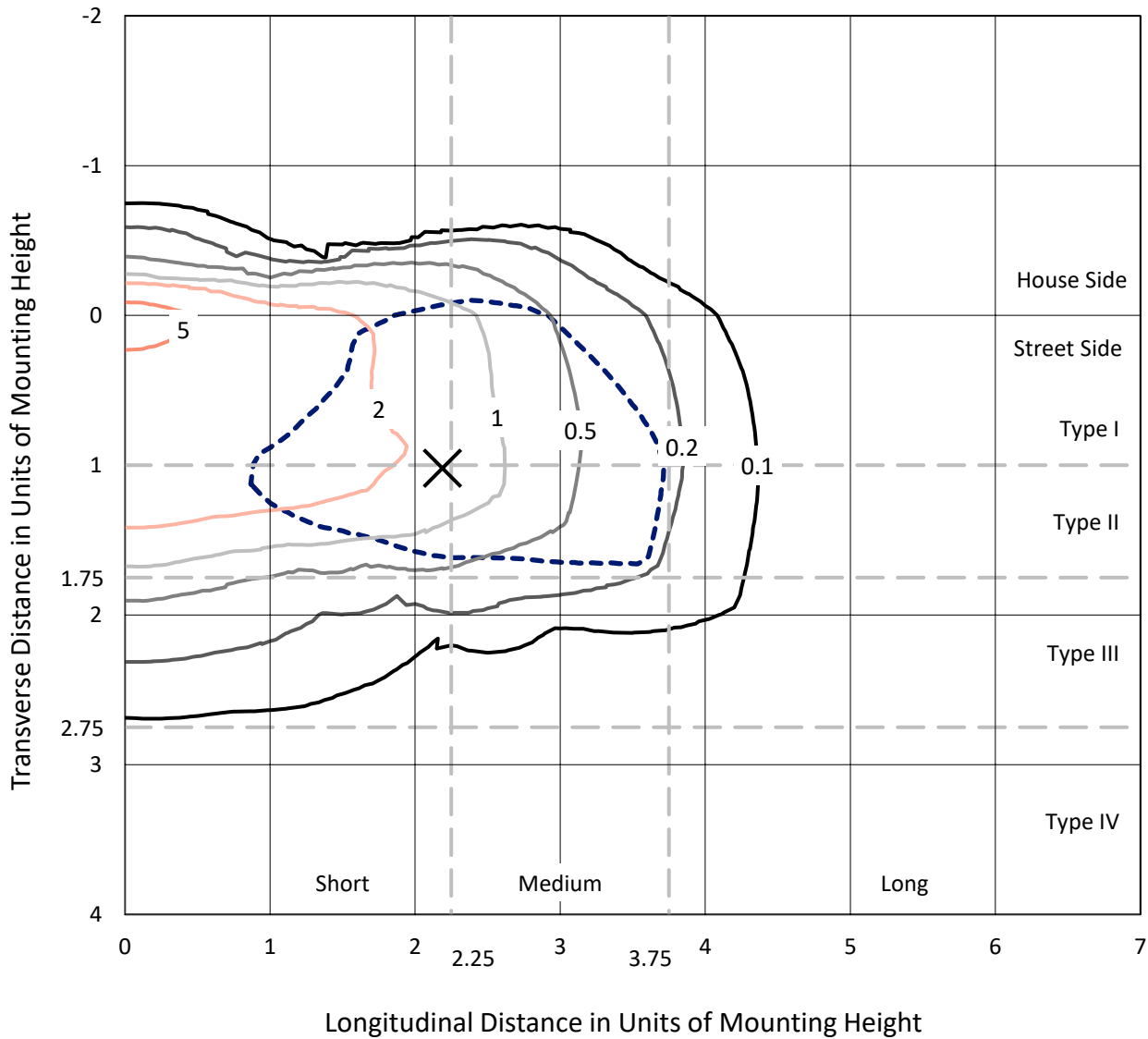
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

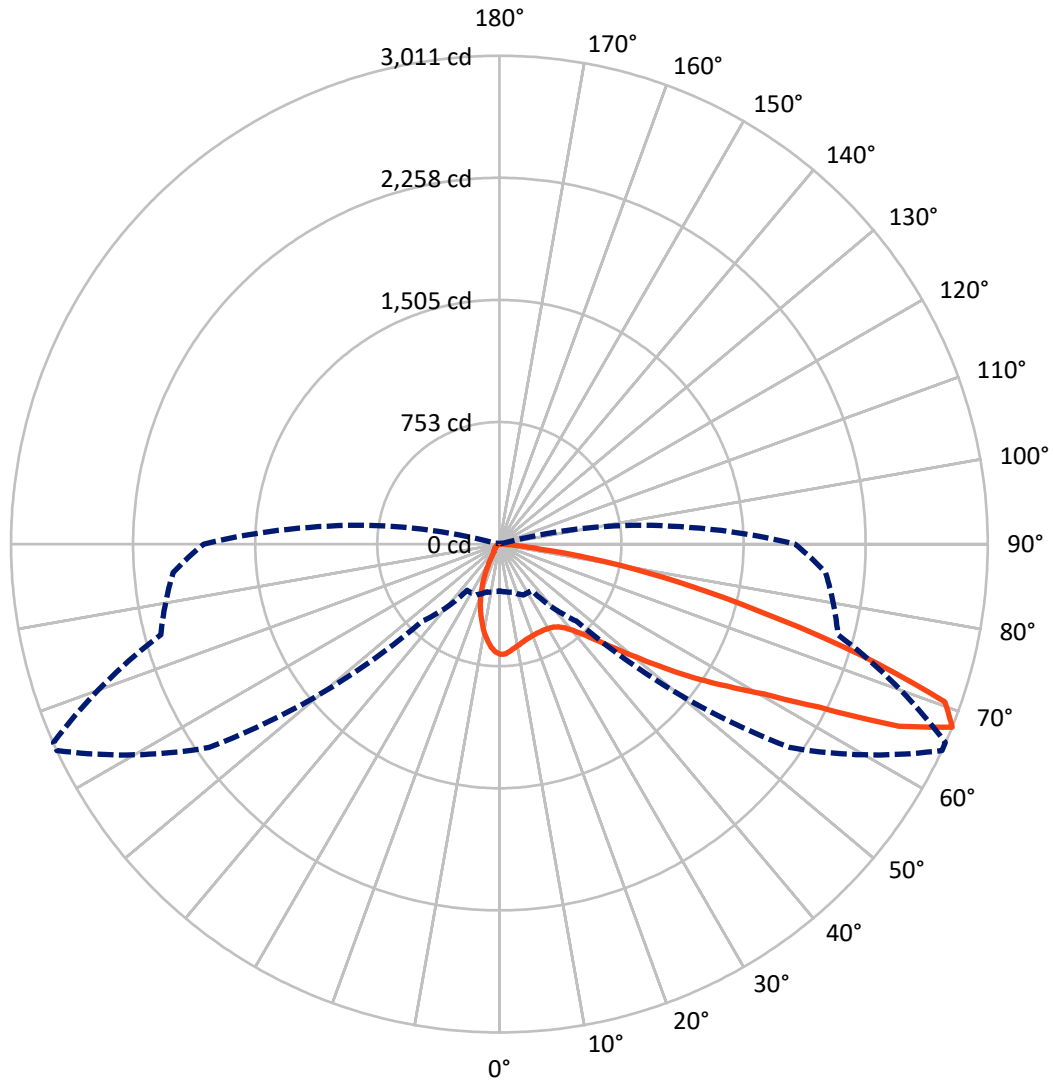
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	349.9	0.0	349.9
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	2452.3	0.0	2452.3
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	2802.2	0.0	2802.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.4	2.0
10°-20°	126.9	4.5
20°-30°	181.3	6.5
30°-40°	263.8	9.4
40°-50°	413.1	14.7
50°-60°	644.5	23.0
60°-70°	708.0	25.3
70°-80°	376.8	13.4
80°-90°	31.4	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°	2802.2	100.0
0°-180°	2802.2	100.0

**Coefficient of Utilization**



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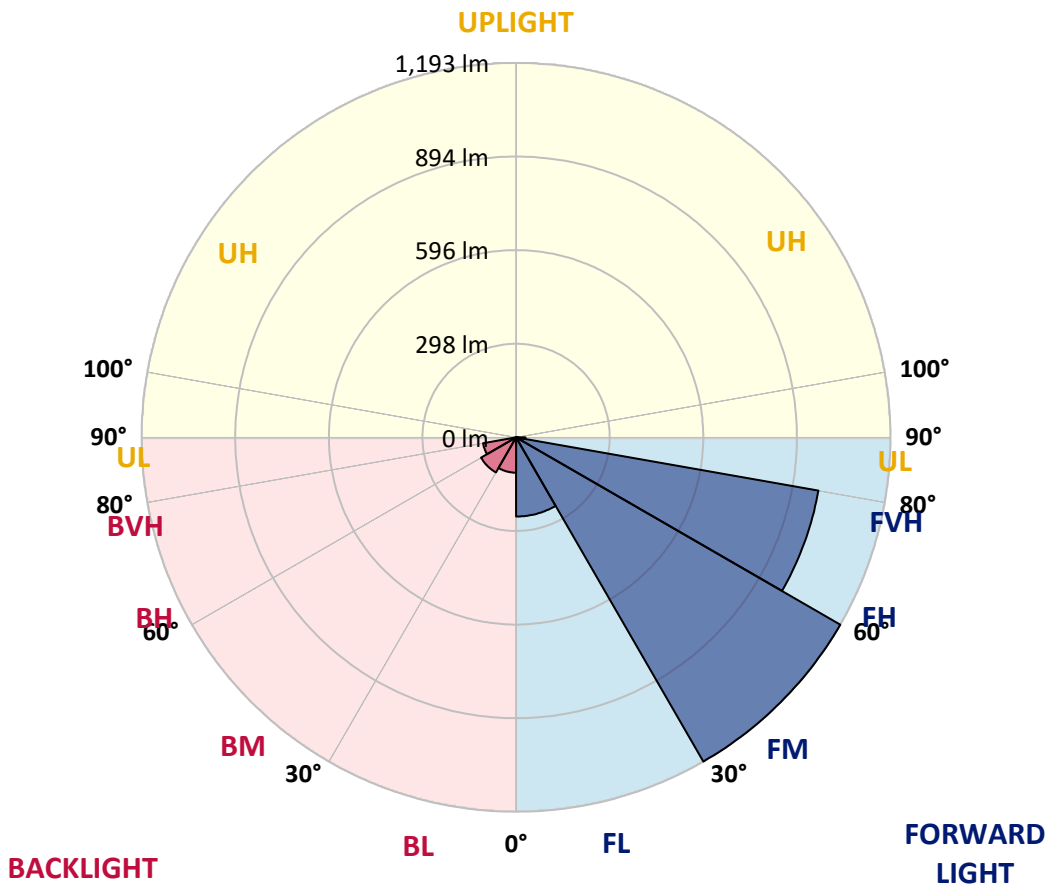
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.2	9.0			
FM (30°-60°)	1192.6	42.6			
FH (60°-80°)	977.9	34.9			G1/1800
FVH (80°-90°)	29.7	1.1			G1/100
BL (0°-30°)	112.5	4.0	B1/500		
BM (30°-60°)	128.9	4.6	B0/220		
BH (60°-80°)	106.9	3.8	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6
2.5°	656.1	658.1	655.3	662.1	663.4	671.0	675.3	678.4	678.1	681.9	681.9
5°	617.5	619.6	618.0	625.4	631.2	643.1	653.0	664.4	664.9	676.6	680.9
7.5°	584.8	585.1	585.1	594.2	601.8	616.5	631.2	648.7	650.7	668.7	680.1
10°	558.0	558.7	559.0	569.4	577.8	595.5	614.2	635.3	637.6	661.9	679.6
12.5°	539.5	539.7	540.8	551.7	560.8	579.3	598.3	622.4	625.4	654.0	677.3
15°	530.6	530.1	530.6	539.7	548.9	566.6	586.1	612.0	615.3	647.4	677.6
17.5°	530.1	529.4	528.8	535.7	541.5	557.2	577.0	605.1	608.7	644.4	680.4
20°	537.5	537.0	534.4	537.5	538.7	551.7	571.2	599.8	603.3	643.9	686.5
22.5°	556.7	555.5	551.7	548.9	542.0	549.6	567.1	596.0	600.1	645.2	694.3
25°	585.4	584.8	580.0	573.2	555.7	552.7	567.4	596.0	599.8	646.7	702.7
27.5°	628.4	625.4	619.3	607.4	582.3	564.6	572.4	597.5	601.3	648.7	709.5
30°	672.3	672.0	670.0	657.8	620.6	587.4	583.1	601.6	605.1	650.5	715.9
32.5°	717.6	718.4	723.5	714.1	673.3	621.3	602.3	609.9	612.5	654.0	721.4
35°	760.7	762.2	775.7	779.0	737.4	672.8	633.8	626.7	626.9	661.9	728.8
37.5°	802.0	807.1	828.6	844.6	817.2	735.1	679.1	655.0	653.0	677.6	739.9
40°	848.9	858.5	885.6	912.8	904.1	817.5	740.9	698.6	694.3	706.5	759.9
42.5°	900.8	911.2	947.2	985.2	989.3	917.1	818.2	762.2	754.9	755.1	797.5
45°	956.6	970.5	1012.3	1067.1	1091.7	1028.0	913.5	848.1	840.8	829.9	857.8
47.5°	1029.8	1042.0	1082.3	1145.4	1192.5	1147.1	1038.4	958.6	945.2	929.2	951.5
50°	1092.9	1103.6	1138.3	1217.3	1315.4	1300.7	1180.1	1096.7	1083.8	1056.7	1075.2
52.5°	1106.9	1115.2	1147.1	1236.1	1409.4	1494.6	1353.7	1263.7	1254.6	1204.4	1211.5
55°	1044.3	1056.9	1085.6	1184.4	1434.0	1684.1	1578.9	1452.0	1433.0	1352.9	1365.6
57.5°	886.1	908.7	935.6	1064.0	1367.4	1785.0	1893.7	1651.4	1634.2	1495.8	1496.1
60°	649.5	667.7	685.7	803.3	1209.2	1778.1	2179.2	1875.4	1844.0	1612.6	1608.3
62.5°	472.3	481.7	481.5	523.3	830.4	1661.0	2329.3	2213.0	2139.7	1737.6	1713.0
65°	371.5	371.2	382.1	395.8	463.7	1282.2	2347.8	2705.8	2626.8	1905.1	1853.9
67.5°	289.1	294.7	305.6	345.9	348.4	671.0	2185.1	3010.7	3009.1	2160.8	2018.8
70°	223.0	230.6	246.1	304.8	321.8	375.5	1634.9	2914.1	2938.7	2275.0	1902.0
72.5°	143.2	142.7	165.5	246.3	309.1	313.0	904.1	2314.8	2342.7	2060.7	1537.9
75°	80.1	80.6	93.5	150.8	288.1	294.5	447.8	1650.7	1672.7	1606.6	1181.6
77.5°	31.4	32.4	43.8	79.3	190.1	263.0	266.1	1125.6	1128.9	995.6	724.7
80°	12.7	13.4	22.3	49.2	115.8	177.1	190.1	663.2	649.7	385.4	210.8
82.5°	3.8	4.1	8.9	27.9	60.6	125.9	128.2	254.4	240.2	82.9	53.7
85°	0.3	0.3	2.0	8.6	21.5	31.7	85.4	82.9	73.5	20.8	23.8
87.5°	0.0	0.0	0.3	0.3	0.5	1.0	9.1	15.2	15.5	3.8	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6	679.6
2.5°	681.9	672.8	672.0	664.9	657.8	649.0	638.6	631.0	625.6	616.3	614.5
5°	680.9	668.7	657.3	637.1	614.5	590.2	568.9	549.1	536.7	528.3	524.8
7.5°	678.9	663.4	637.1	598.8	561.0	518.5	485.3	454.9	434.1	421.9	416.6
10°	677.3	656.6	613.7	555.7	497.2	438.4	388.0	342.9	317.8	298.0	294.7
12.5°	674.3	646.7	583.8	505.3	429.8	351.7	287.4	232.1	193.9	176.6	170.5
15°	671.3	636.3	553.9	452.1	356.3	260.0	181.9	128.7	102.4	94.3	93.8
17.5°	670.8	626.9	521.5	401.6	279.2	170.3	103.6	83.4	77.8	75.8	75.8
20°	672.3	619.1	489.6	343.6	203.5	103.6	77.3	72.2	68.9	67.2	67.2
22.5°	673.8	611.0	458.9	285.1	135.1	75.8	68.2	63.9	60.1	58.0	57.0
25°	674.8	602.1	425.0	226.3	88.2	65.9	59.8	54.2	49.7	47.1	47.1
27.5°	674.6	591.4	390.7	168.8	68.4	58.5	51.2	45.4	40.8	38.0	38.3
30°	672.5	579.8	355.3	117.8	59.8	51.2	43.8	37.8	33.2	30.9	30.7
32.5°	671.0	567.4	314.2	82.9	53.7	44.9	37.2	31.4	27.6	25.8	25.6
35°	669.2	555.2	275.2	63.1	48.4	38.8	31.4	26.6	23.6	22.0	22.0
37.5°	669.7	542.5	232.9	54.2	43.1	33.7	26.9	22.8	20.3	18.8	18.5
40°	677.6	534.9	191.3	49.2	38.3	29.1	23.3	19.8	17.2	15.7	15.5
42.5°	697.1	535.2	151.5	45.4	34.0	24.8	20.3	17.0	14.7	12.9	12.7
45°	736.1	545.8	116.3	41.3	29.4	21.5	17.5	14.4	12.2	10.6	10.4
47.5°	800.0	577.5	88.2	37.8	25.6	18.8	15.0	12.2	10.1	8.9	8.6
50°	901.6	634.8	69.4	33.4	21.5	16.2	12.7	10.1	8.4	7.1	6.8
52.5°	1023.7	720.7	59.5	29.6	18.5	14.2	10.9	8.4	6.8	5.8	5.6
55°	1164.1	823.3	55.0	25.8	15.7	12.2	8.9	6.8	5.6	4.8	4.3
57.5°	1292.9	915.8	54.7	22.0	13.4	10.4	7.3	5.8	4.8	3.8	3.5
60°	1418.3	993.1	51.4	18.2	11.7	8.6	6.3	4.8	4.1	3.3	3.0
62.5°	1532.1	1055.9	43.1	14.7	9.9	7.1	5.3	4.3	3.5	2.8	2.8
65°	1675.0	1136.0	32.9	11.9	8.1	5.8	4.6	3.8	3.3	2.5	2.5
67.5°	1822.7	1178.3	23.6	9.9	6.6	5.1	4.1	3.5	2.8	2.3	2.3
70°	1650.9	995.6	17.0	8.1	5.6	4.3	3.5	3.3	2.8	2.3	2.0
72.5°	1289.3	717.9	12.7	6.3	4.8	4.1	3.3	3.0	2.5	2.0	2.0
75°	956.1	418.6	9.6	5.1	3.8	3.3	3.3	3.0	2.5	2.0	1.8
77.5°	519.7	146.0	7.3	4.1	3.0	2.5	2.8	2.8	2.3	1.8	1.5
80°	137.6	40.0	5.1	3.0	2.5	2.0	2.0	2.5	2.0	1.5	1.5
82.5°	40.0	11.7	3.5	2.5	2.0	1.8	1.8	1.8	1.5	1.3	1.0
85°	19.5	4.3	2.5	2.0	1.8	1.5	1.3	1.3	1.0	0.8	0.8
87.5°	8.6	1.8	2.0	1.8	1.8	1.3	1.0	0.8	0.8	0.5	0.3
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)