

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: P630056

Luminaire Tested: GWS-SA1C-830-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630056  
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-SA1C-830-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

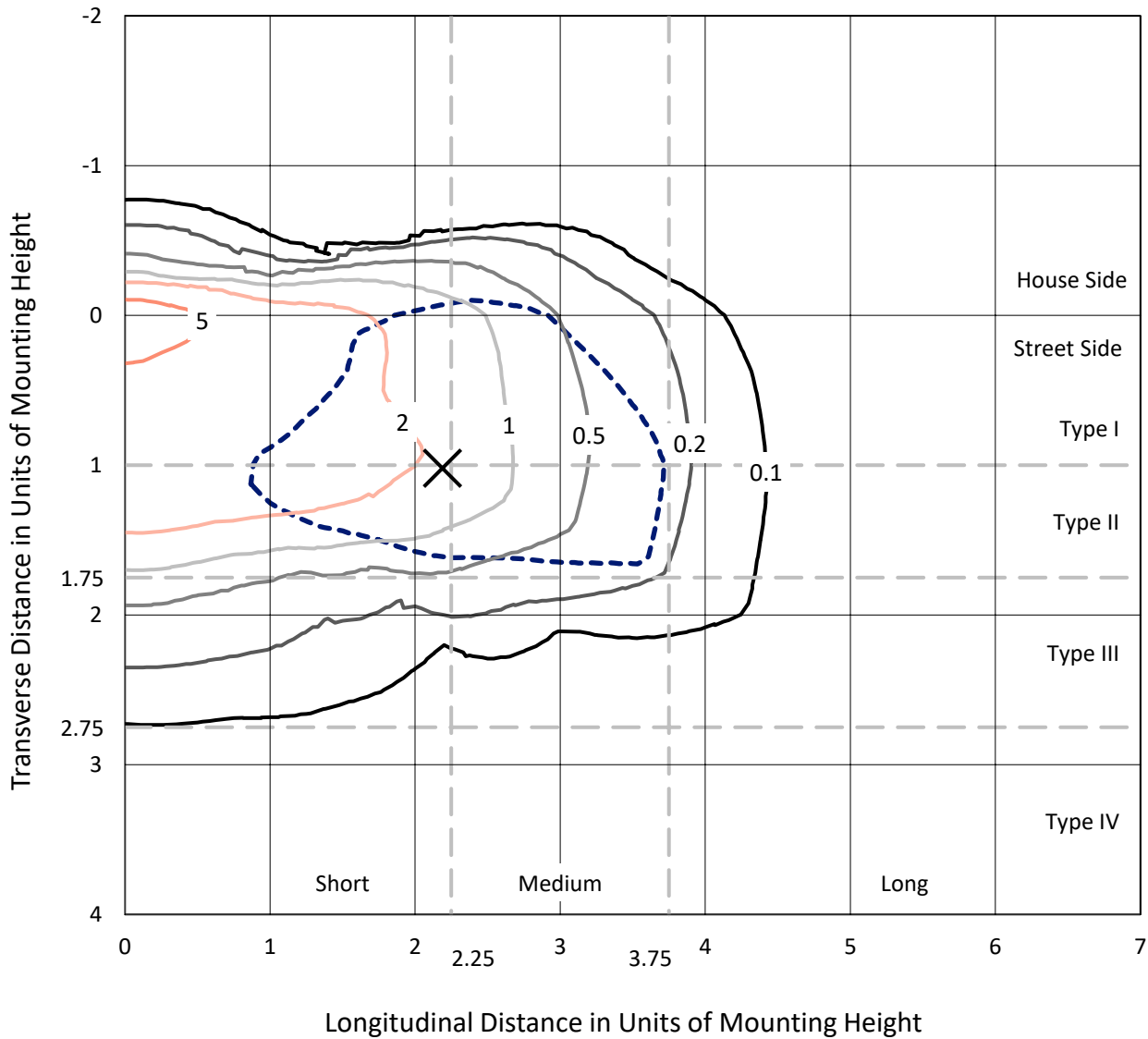
Lumens per Lamp: N/A  
Luminaire Lumens: 3026.8 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

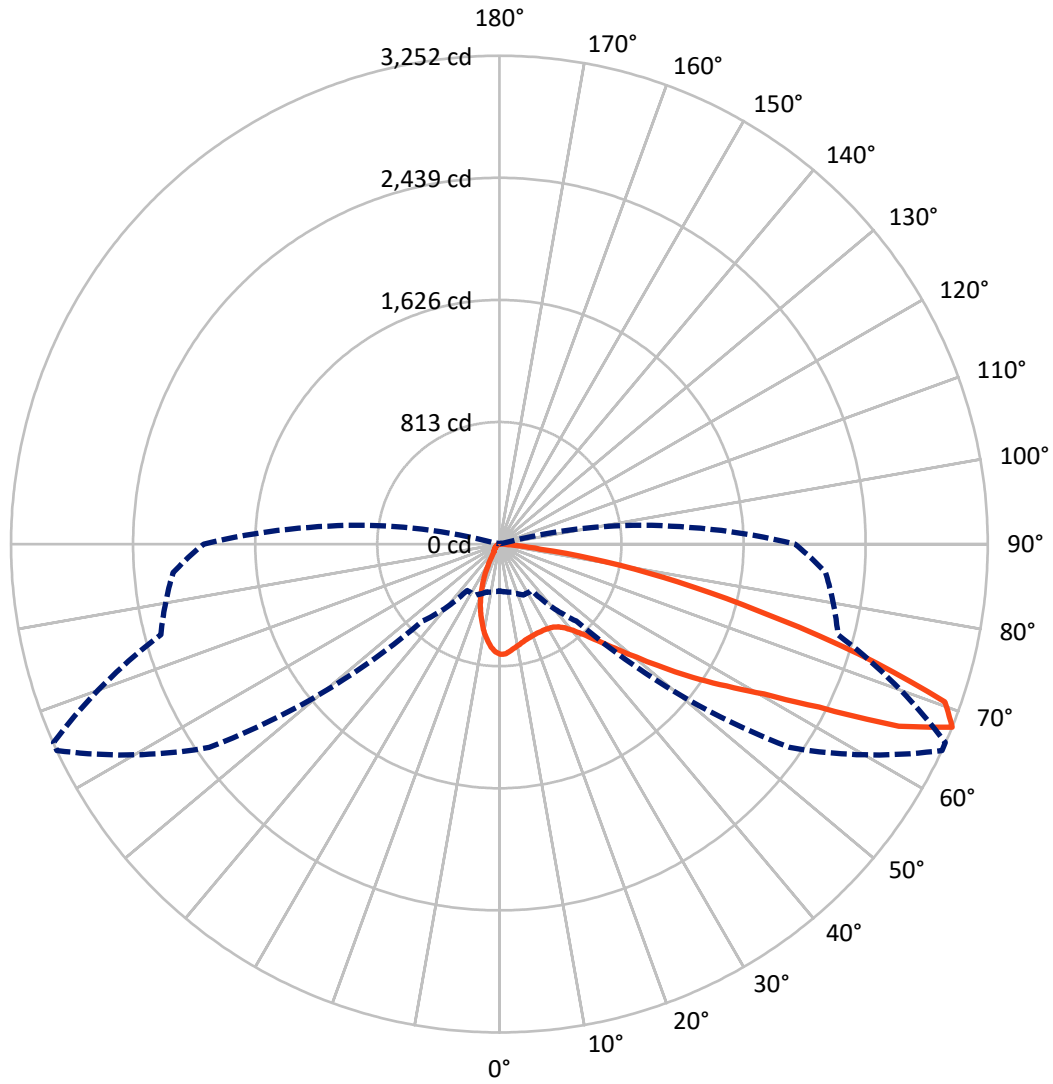
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 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	378.0	0.0	378.0
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	2648.8	0.0	2648.8
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	3026.8	0.0	3026.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.0	2.0
10°-20°	137.1	4.5
20°-30°	195.8	6.5
30°-40°	284.9	9.4
40°-50°	446.3	14.7
50°-60°	696.2	23.0
60°-70°	764.7	25.3
70°-80°	407.0	13.4
80°-90°	33.9	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°	3026.8	100.0
0°-180°	3026.8	100.0

**Coefficient of Utilization**



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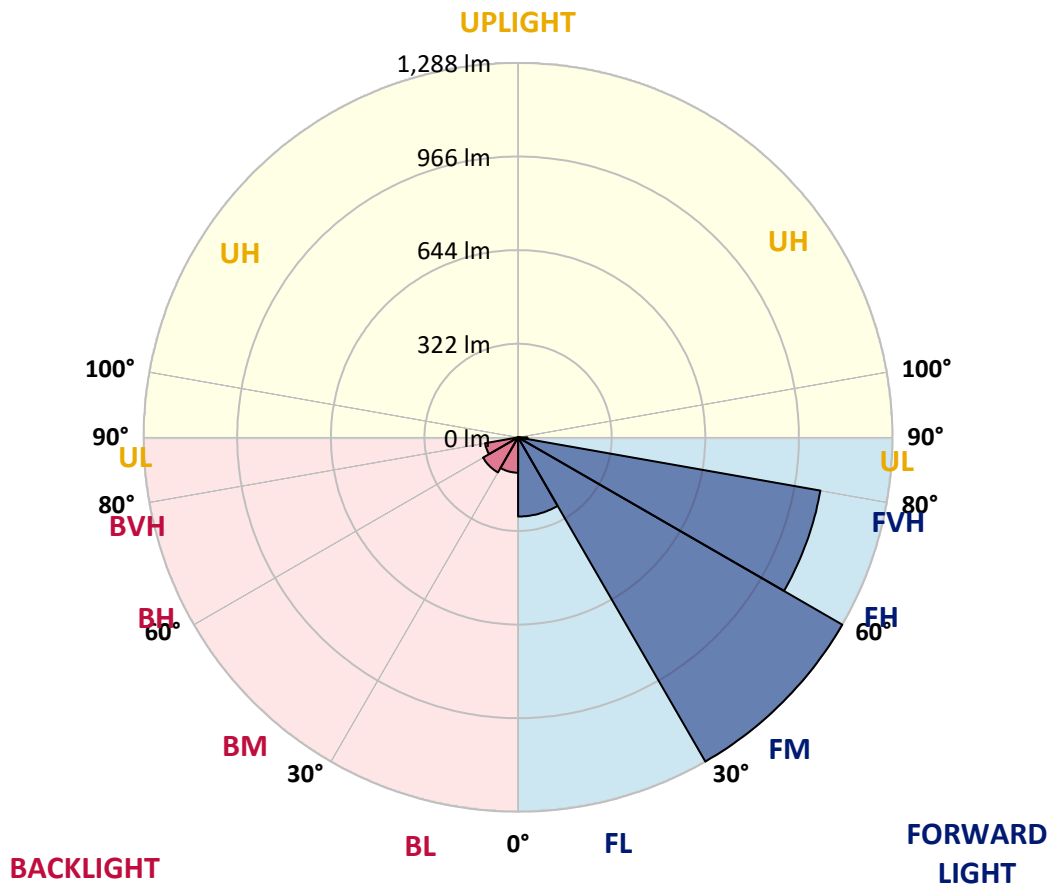
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.4	9.0			
FM (30°-60°)	1288.1	42.6			
FH (60°-80°)	1056.2	34.9			G1/1800
FVH (80°-90°)	32.1	1.1			G1/100
BL (0°-30°)	121.5	4.0	B1/500		
BM (30°-60°)	139.2	4.6	B0/220		
BH (60°-80°)	115.4	3.8	B1/500		G1/500
BVH (80°-90°)	1.8	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°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	708.6	710.8	707.8	715.2	716.6	724.8	729.4	732.7	732.5	736.6	736.6
5°	667.0	669.2	667.6	675.5	681.8	694.7	705.4	717.7	718.2	730.8	735.5
7.5°	631.7	632.0	632.0	641.9	650.1	665.9	681.8	700.7	702.9	722.3	734.6
10°	602.7	603.5	603.8	615.0	624.1	643.2	663.5	686.2	688.7	714.9	734.1
12.5°	582.7	583.0	584.1	595.9	605.7	625.7	646.2	672.2	675.5	706.4	731.6
15°	573.2	572.6	573.2	583.0	592.9	612.0	633.1	661.0	664.6	699.3	731.9
17.5°	572.6	571.8	571.2	578.6	584.9	601.9	623.2	653.6	657.5	696.0	734.9
20°	580.5	580.0	577.3	580.5	581.9	595.9	616.9	647.9	651.7	695.5	741.5
22.5°	601.3	600.0	595.9	592.9	585.5	593.7	612.6	643.8	648.1	696.9	750.0
25°	632.3	631.7	626.5	619.1	600.2	597.0	612.8	643.8	647.9	698.5	759.0
27.5°	678.8	675.5	669.0	656.1	629.0	609.8	618.3	645.4	649.5	700.7	766.4
30°	726.2	725.9	723.7	710.6	670.3	634.5	629.8	649.8	653.6	702.6	773.2
32.5°	775.2	776.0	781.4	771.3	727.3	671.1	650.6	658.8	661.6	706.4	779.3
35°	821.7	823.3	837.8	841.4	796.5	726.7	684.6	676.9	677.2	714.9	787.2
37.5°	866.3	871.8	895.0	912.3	882.7	794.0	733.5	707.5	705.4	731.9	799.2
40°	916.9	927.3	956.6	985.9	976.6	883.0	800.3	754.6	750.0	763.1	820.9
42.5°	973.0	984.3	1023.1	1064.2	1068.6	990.6	883.8	823.3	815.4	815.7	861.4
45°	1033.3	1048.3	1093.5	1152.6	1179.1	1110.4	986.7	916.1	908.2	896.4	926.5
47.5°	1112.4	1125.5	1169.0	1237.2	1288.1	1239.1	1121.7	1035.5	1020.9	1003.7	1027.8
50°	1180.5	1192.0	1229.5	1314.9	1420.8	1405.0	1274.7	1184.6	1170.7	1141.4	1161.4
52.5°	1195.6	1204.6	1239.1	1335.2	1522.4	1614.4	1462.2	1365.0	1355.1	1301.0	1308.6
55°	1128.0	1141.7	1172.6	1279.3	1548.9	1819.1	1705.5	1568.4	1547.8	1461.3	1475.0
57.5°	957.2	981.5	1010.5	1149.3	1476.9	1928.0	2045.4	1783.8	1765.2	1615.7	1616.0
60°	701.5	721.2	740.7	867.7	1306.2	1920.6	2353.9	2025.7	1991.8	1741.9	1737.2
62.5°	510.2	520.3	520.1	565.2	897.0	1794.2	2516.0	2390.3	2311.2	1876.8	1850.3
65°	401.3	401.0	412.8	427.5	500.9	1385.0	2535.9	2922.7	2837.3	2057.8	2002.5
67.5°	312.3	318.3	330.1	373.6	376.4	724.8	2360.2	3252.0	3250.3	2333.9	2180.7
70°	240.9	249.1	265.8	329.3	347.6	405.6	1766.0	3147.7	3174.2	2457.4	2054.5
72.5°	154.6	154.1	178.7	266.0	333.9	338.0	976.6	2500.4	2530.5	2225.8	1661.2
75°	86.5	87.0	101.0	162.9	311.2	318.1	483.6	1783.0	1806.8	1735.3	1276.3
77.5°	33.9	35.0	47.4	85.7	205.3	284.1	287.4	1215.8	1219.4	1075.4	782.8
80°	13.7	14.5	24.1	53.1	125.1	191.3	205.3	716.3	701.8	416.3	227.7
82.5°	4.1	4.4	9.6	30.1	65.4	136.0	138.5	274.8	259.5	89.5	58.0
85°	0.3	0.3	2.2	9.3	23.3	34.2	92.2	89.5	79.4	22.4	25.7
87.5°	0.0	0.0	0.3	0.3	0.5	1.1	9.9	16.4	16.7	4.1	11.5
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°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	736.6	726.7	725.9	718.2	710.6	701.0	689.8	681.5	675.8	665.7	663.8
5°	735.5	722.3	710.0	688.1	663.8	637.5	614.5	593.1	579.7	570.7	566.9
7.5°	733.3	716.6	688.1	646.8	606.0	560.0	524.2	491.3	468.9	455.7	450.0
10°	731.6	709.2	662.9	600.2	537.0	473.5	419.1	370.3	343.2	321.9	318.3
12.5°	728.3	698.5	630.6	545.8	464.2	379.9	310.4	250.7	209.4	190.8	184.2
15°	725.1	687.3	598.3	488.3	384.8	280.8	196.5	139.0	110.6	101.8	101.3
17.5°	724.5	677.2	563.3	433.8	301.6	183.9	111.9	90.1	84.0	81.8	81.8
20°	726.2	668.7	528.8	371.2	219.8	111.9	83.5	78.0	74.4	72.5	72.5
22.5°	727.8	659.9	495.7	307.9	145.9	81.8	73.6	69.0	64.9	62.7	61.6
25°	728.9	650.3	459.0	244.4	95.3	71.2	64.6	58.6	53.6	50.9	50.9
27.5°	728.6	638.8	422.1	182.3	73.9	63.2	55.3	49.0	44.1	41.1	41.3
30°	726.4	626.3	383.7	127.3	64.6	55.3	47.4	40.8	35.9	33.4	33.1
32.5°	724.8	612.8	339.4	89.5	58.0	48.4	40.2	33.9	29.8	27.9	27.6
35°	722.9	599.7	297.3	68.2	52.3	41.9	33.9	28.7	25.5	23.8	23.8
37.5°	723.4	586.0	251.5	58.6	46.5	36.4	29.0	24.6	21.9	20.3	20.0
40°	731.9	577.8	206.7	53.1	41.3	31.5	25.2	21.3	18.6	17.0	16.7
42.5°	753.0	578.1	163.7	49.0	36.7	26.8	21.9	18.3	15.9	14.0	13.7
45°	795.1	589.6	125.6	44.6	31.8	23.3	18.9	15.6	13.1	11.5	11.2
47.5°	864.1	623.8	95.3	40.8	27.6	20.3	16.1	13.1	10.9	9.6	9.3
50°	973.9	685.6	75.0	36.1	23.3	17.5	13.7	10.9	9.0	7.7	7.4
52.5°	1105.8	778.4	64.3	32.0	20.0	15.3	11.8	9.0	7.4	6.3	6.0
55°	1257.4	889.3	59.4	27.9	17.0	13.1	9.6	7.4	6.0	5.2	4.7
57.5°	1396.5	989.2	59.1	23.8	14.5	11.2	7.9	6.3	5.2	4.1	3.8
60°	1532.0	1072.7	55.6	19.7	12.6	9.3	6.8	5.2	4.4	3.6	3.3
62.5°	1654.9	1140.6	46.5	15.9	10.7	7.7	5.7	4.7	3.8	3.0	3.0
65°	1809.2	1227.0	35.6	12.9	8.8	6.3	4.9	4.1	3.6	2.7	2.7
67.5°	1968.8	1272.8	25.5	10.7	7.1	5.5	4.4	3.8	3.0	2.5	2.5
70°	1783.2	1075.4	18.3	8.8	6.0	4.7	3.8	3.6	3.0	2.5	2.2
72.5°	1392.6	775.4	13.7	6.8	5.2	4.4	3.6	3.3	2.7	2.2	2.2
75°	1032.7	452.2	10.4	5.5	4.1	3.6	3.6	3.3	2.7	2.2	1.9
77.5°	561.4	157.7	7.9	4.4	3.3	2.7	3.0	3.0	2.5	1.9	1.6
80°	148.6	43.2	5.5	3.3	2.7	2.2	2.2	2.7	2.2	1.6	1.6
82.5°	43.2	12.6	3.8	2.7	2.2	1.9	1.9	1.9	1.6	1.4	1.1
85°	21.1	4.7	2.7	2.2	1.9	1.6	1.4	1.4	1.1	0.8	0.8
87.5°	9.3	1.9	2.2	1.9	1.9	1.4	1.1	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)