

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: P630551

Luminaire Tested: GWS-SA1D-830-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630551  
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-SA1D-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**

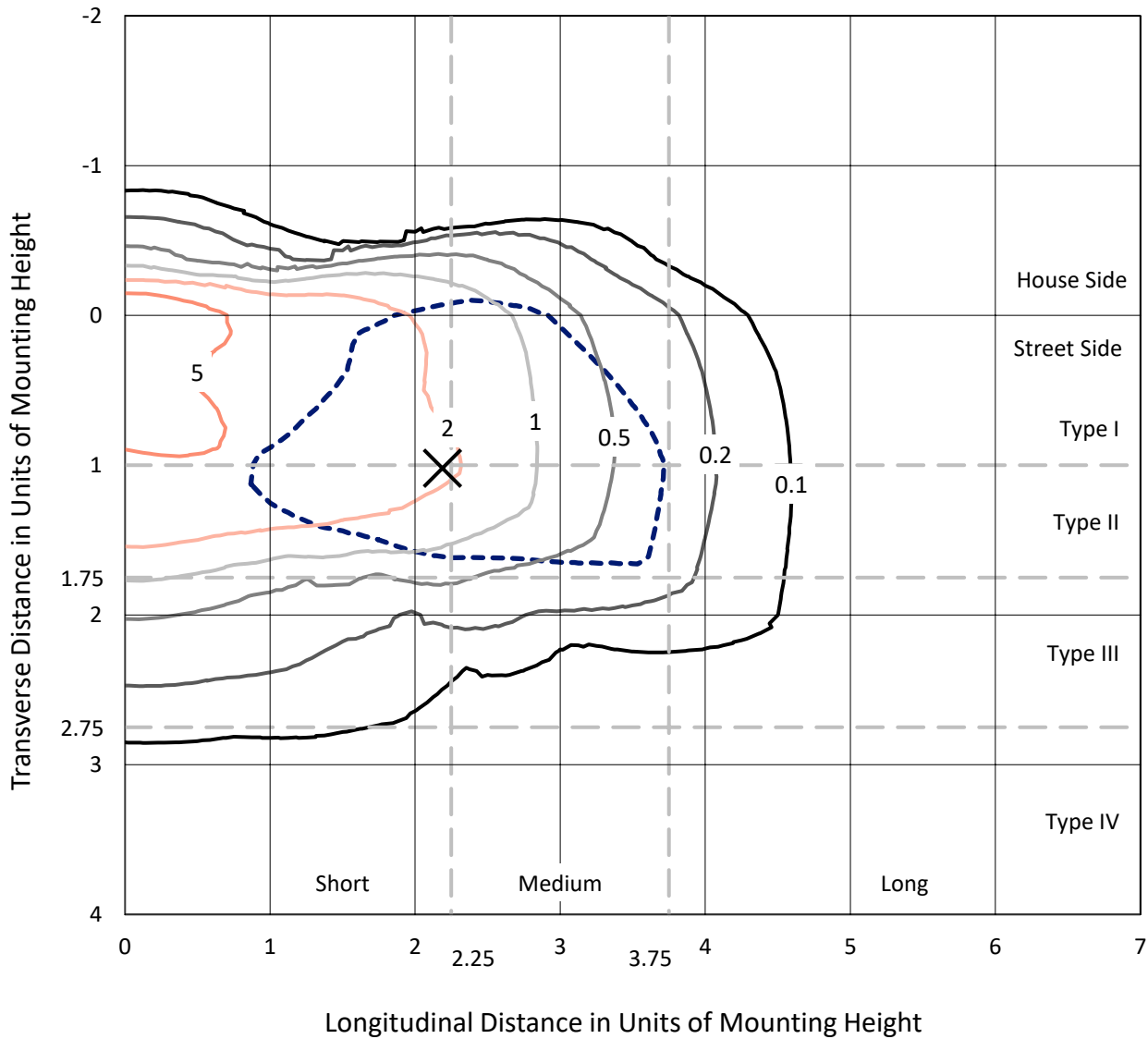
Lumens per Lamp: N/A  
Luminaire Lumens: 3818.5 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

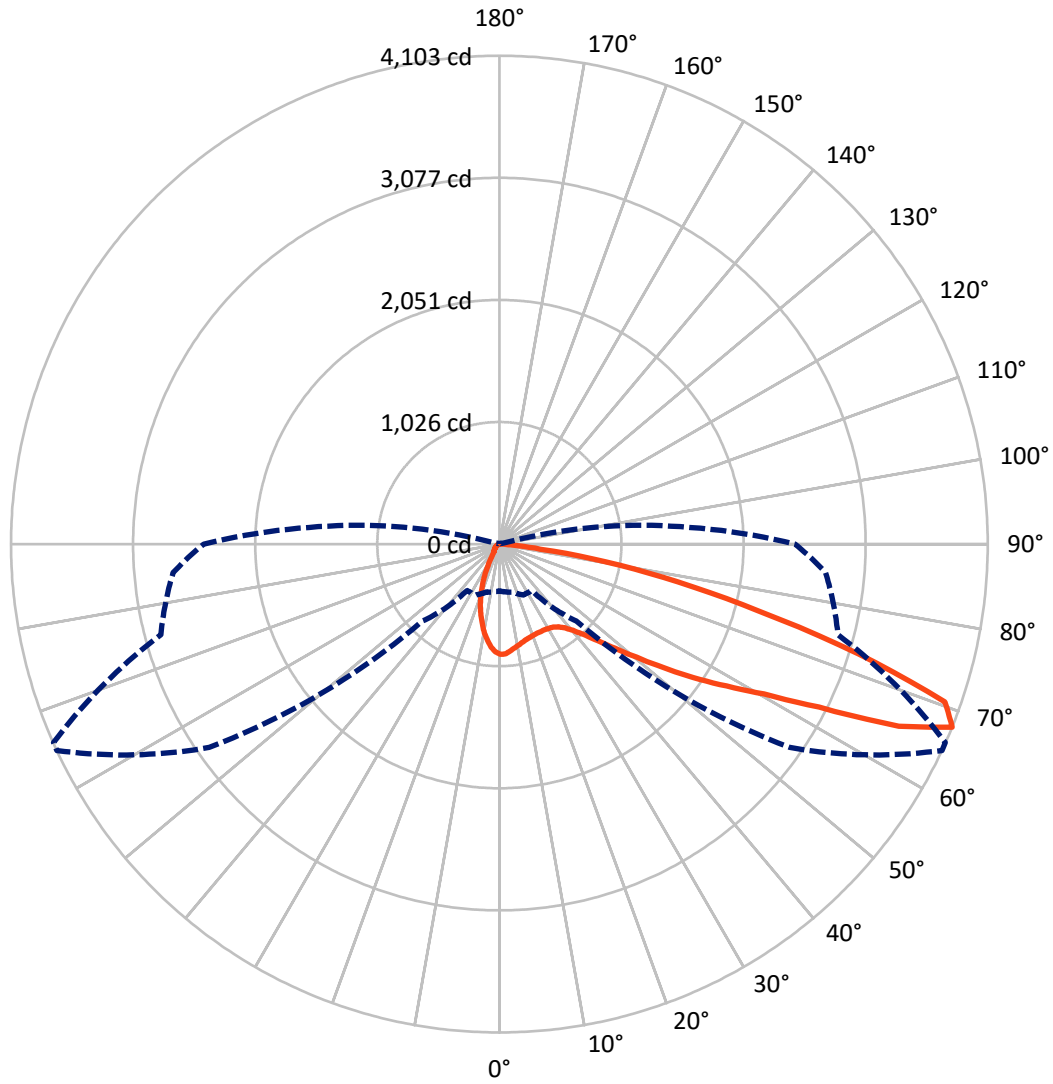
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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	476.8	0.0	476.8
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	3341.7	0.0	3341.7
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	3818.5	0.0	3818.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.9	2.0
10°-20°	172.9	4.5
20°-30°	247.1	6.5
30°-40°	359.5	9.4
40°-50°	563.0	14.7
50°-60°	878.3	23.0
60°-70°	964.7	25.3
70°-80°	513.4	13.4
80°-90°	42.7	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°	3818.5	100.0
0°-180°	3818.5	100.0

**Coefficient of Utilization**



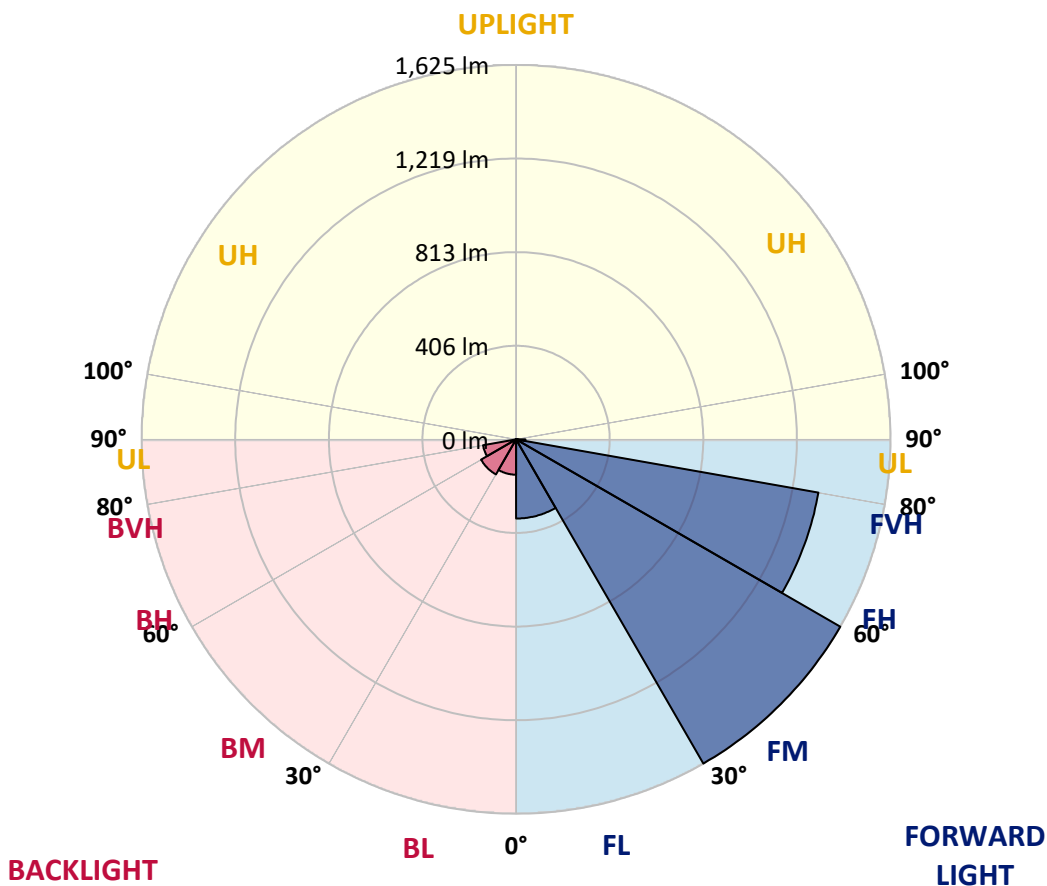
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.6	9.0			
FM (30°-60°)	1625.1	42.6			
FH (60°-80°)	1332.5	34.9			G1/1800
FVH (80°-90°)	40.5	1.1			G1/100
BL (0°-30°)	153.3	4.0	B1/500		
BM (30°-60°)	175.6	4.6	B0/220		
BH (60°-80°)	145.6	3.8	B1/500		G1/500
BVH (80°-90°)	2.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	894.0	896.8	893.0	902.3	904.0	914.4	920.2	924.4	924.0	929.2	929.2
5°	841.5	844.3	842.2	852.2	860.2	876.4	889.8	905.4	906.1	922.0	927.8
7.5°	797.0	797.3	797.3	809.7	820.1	840.1	860.2	884.0	886.7	911.3	926.8
10°	760.4	761.4	761.7	775.9	787.3	811.5	837.0	865.7	868.8	901.9	926.1
12.5°	735.2	735.5	736.9	751.7	764.2	789.4	815.3	848.1	852.2	891.2	923.0
15°	723.1	722.4	723.1	735.5	747.9	772.1	798.7	833.9	838.4	882.3	923.3
17.5°	722.4	721.3	720.7	730.0	737.9	759.3	786.3	824.6	829.4	878.1	927.1
20°	732.4	731.7	728.2	732.4	734.1	751.7	778.3	817.3	822.2	877.4	935.4
22.5°	758.6	756.9	751.7	747.9	738.6	749.0	772.8	812.2	817.7	879.1	946.1
25°	797.7	797.0	790.4	781.1	757.3	753.1	773.1	812.2	817.3	881.2	957.5
27.5°	856.4	852.2	843.9	827.7	793.5	769.3	780.0	814.2	819.4	884.0	966.9
30°	916.1	915.7	913.0	896.4	845.7	800.4	794.5	819.8	824.6	886.4	975.5
32.5°	977.9	978.9	985.8	973.1	917.5	846.7	820.8	831.1	834.6	891.2	983.1
35°	1036.6	1038.7	1057.0	1061.5	1004.8	916.8	863.6	853.9	854.3	901.9	993.1
37.5°	1092.9	1099.8	1129.1	1150.9	1113.6	1001.7	925.4	892.6	889.8	923.3	1008.3
40°	1156.8	1169.9	1206.8	1243.8	1232.0	1114.0	1009.7	952.0	946.1	962.7	1035.6
42.5°	1227.6	1241.7	1290.7	1342.5	1348.1	1249.7	1115.0	1038.7	1028.7	1029.0	1086.7
45°	1303.5	1322.5	1379.5	1454.1	1487.6	1400.9	1244.8	1155.7	1145.7	1130.9	1168.9
47.5°	1403.3	1419.9	1474.8	1560.8	1625.0	1563.2	1415.1	1306.3	1288.0	1266.2	1296.6
50°	1489.3	1503.8	1551.1	1658.8	1792.5	1772.4	1608.1	1494.5	1476.9	1439.9	1465.1
52.5°	1508.3	1519.7	1563.2	1684.4	1920.6	2036.6	1844.6	1722.0	1709.6	1641.2	1650.9
55°	1423.0	1440.3	1479.3	1614.0	1954.1	2294.9	2151.6	1978.6	1952.7	1843.6	1860.8
57.5°	1207.5	1238.3	1274.9	1449.9	1863.3	2432.3	2580.5	2250.3	2226.9	2038.3	2038.7
60°	885.0	909.9	934.4	1094.6	1647.8	2423.0	2969.6	2555.6	2512.8	2197.5	2191.6
62.5°	643.6	656.4	656.1	713.1	1131.6	2263.5	3174.0	3015.5	2915.8	2367.8	2334.3
65°	506.2	505.9	520.7	539.4	631.9	1747.2	3199.2	3687.2	3579.4	2596.0	2526.2
67.5°	394.0	401.6	416.4	471.3	474.8	914.4	2977.6	4102.6	4100.5	2944.4	2751.0
70°	303.9	314.2	335.3	415.4	438.5	511.7	2227.9	3971.0	4004.5	3100.1	2591.9
72.5°	195.1	194.4	225.5	335.6	421.3	426.5	1232.0	3154.4	3192.3	2808.0	2095.7
75°	109.1	109.8	127.4	205.5	392.6	401.2	610.2	2249.3	2279.4	2189.2	1610.2
77.5°	42.8	44.2	59.7	108.1	259.0	358.4	362.6	1533.8	1538.3	1356.7	987.6
80°	17.3	18.3	30.4	67.0	157.8	241.4	259.0	903.7	885.4	525.2	287.3
82.5°	5.2	5.5	12.1	38.0	82.5	171.6	174.7	346.7	327.3	112.9	73.2
85°	0.3	0.3	2.8	11.7	29.4	43.2	116.4	112.9	100.1	28.3	32.5
87.5°	0.0	0.0	0.3	0.3	0.7	1.4	12.4	20.7	21.1	5.2	14.5
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°	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1	926.1
2.5°	929.2	916.8	915.7	906.1	896.4	884.3	870.2	859.8	852.6	839.8	837.4
5°	927.8	911.3	895.7	868.1	837.4	804.2	775.2	748.3	731.4	720.0	715.1
7.5°	925.1	904.0	868.1	816.0	764.5	706.5	661.3	619.8	591.5	574.9	567.7
10°	923.0	894.7	836.3	757.3	677.5	597.4	528.7	467.2	433.0	406.1	401.6
12.5°	918.9	881.2	795.6	688.5	585.6	479.3	391.6	316.3	264.2	240.7	232.4
15°	914.7	867.1	754.8	616.0	485.5	354.3	247.9	175.4	139.5	128.5	127.8
17.5°	914.0	854.3	710.6	547.3	380.5	232.0	141.2	113.6	106.0	103.2	103.2
20°	916.1	843.6	667.1	468.2	277.3	141.2	105.3	98.4	93.9	91.5	91.5
22.5°	918.2	832.5	625.3	388.5	184.0	103.2	92.9	87.0	81.8	79.1	77.7
25°	919.5	820.4	579.1	308.4	120.2	89.8	81.5	73.9	67.7	64.2	64.2
27.5°	919.2	805.9	532.5	230.0	93.2	79.8	69.8	61.8	55.6	51.8	52.1
30°	916.4	790.1	484.1	160.6	81.5	69.8	59.7	51.5	45.2	42.1	41.8
32.5°	914.4	773.1	428.2	112.9	73.2	61.1	50.8	42.8	37.6	35.2	34.9
35°	911.9	756.6	375.0	86.0	66.0	52.8	42.8	36.3	32.1	30.0	30.0
37.5°	912.6	739.3	317.3	73.9	58.7	45.9	36.6	31.1	27.6	25.6	25.2
40°	923.3	728.9	260.7	67.0	52.1	39.7	31.8	26.9	23.5	21.4	21.1
42.5°	949.9	729.3	206.5	61.8	46.3	33.8	27.6	23.1	20.0	17.6	17.3
45°	1003.1	743.8	158.5	56.3	40.1	29.4	23.8	19.7	16.6	14.5	14.2
47.5°	1090.1	786.9	120.2	51.5	34.9	25.6	20.4	16.6	13.8	12.1	11.7
50°	1228.6	865.0	94.6	45.6	29.4	22.1	17.3	13.8	11.4	9.7	9.3
52.5°	1395.0	982.0	81.1	40.4	25.2	19.3	14.8	11.4	9.3	7.9	7.6
55°	1586.3	1121.9	74.9	35.2	21.4	16.6	12.1	9.3	7.6	6.6	5.9
57.5°	1761.7	1247.9	74.6	30.0	18.3	14.2	10.0	7.9	6.6	5.2	4.8
60°	1932.7	1353.2	70.1	24.9	15.9	11.7	8.6	6.6	5.5	4.5	4.1
62.5°	2087.7	1438.9	58.7	20.0	13.5	9.7	7.3	5.9	4.8	3.8	3.8
65°	2282.5	1548.0	44.9	16.2	11.0	7.9	6.2	5.2	4.5	3.5	3.5
67.5°	2483.8	1605.7	32.1	13.5	9.0	6.9	5.5	4.8	3.8	3.1	3.1
70°	2249.7	1356.7	23.1	11.0	7.6	5.9	4.8	4.5	3.8	3.1	2.8
72.5°	1756.9	978.2	17.3	8.6	6.6	5.5	4.5	4.1	3.5	2.8	2.8
75°	1302.8	570.4	13.1	6.9	5.2	4.5	4.5	4.1	3.5	2.8	2.4
77.5°	708.2	198.9	10.0	5.5	4.1	3.5	3.8	3.8	3.1	2.4	2.1
80°	187.5	54.6	6.9	4.1	3.5	2.8	2.8	3.5	2.8	2.1	2.1
82.5°	54.6	15.9	4.8	3.5	2.8	2.4	2.4	2.4	2.1	1.7	1.4
85°	26.6	5.9	3.5	2.8	2.4	2.1	1.7	1.7	1.4	1.0	1.0
87.5°	11.7	2.4	2.8	2.4	2.4	1.7	1.4	1.0	1.0	0.7	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)