

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: P629479

Luminaire Tested: GWS-SA1B-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629479  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

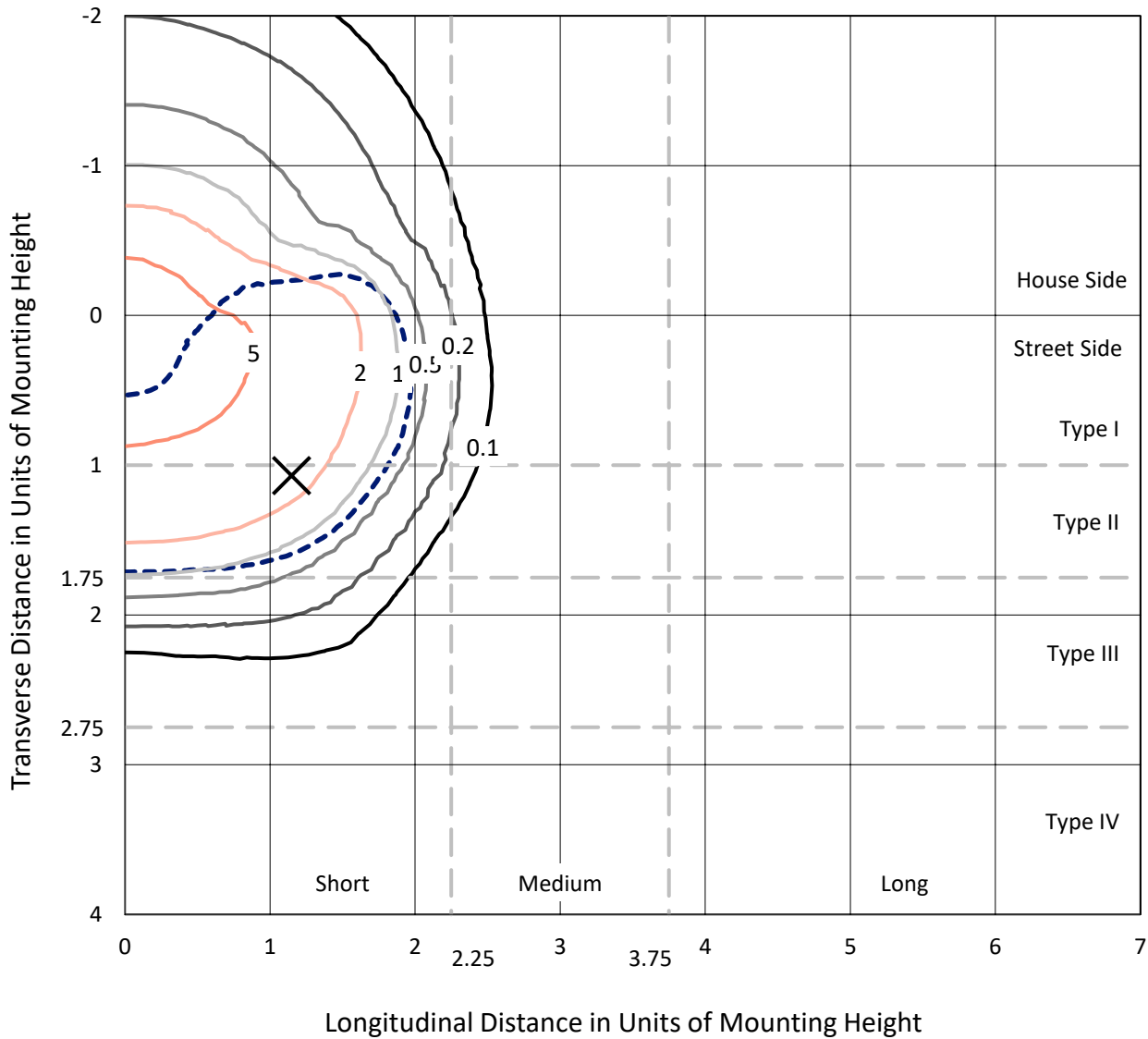
Lumens per Lamp: N/A  
Luminaire Lumens: 3086.2 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

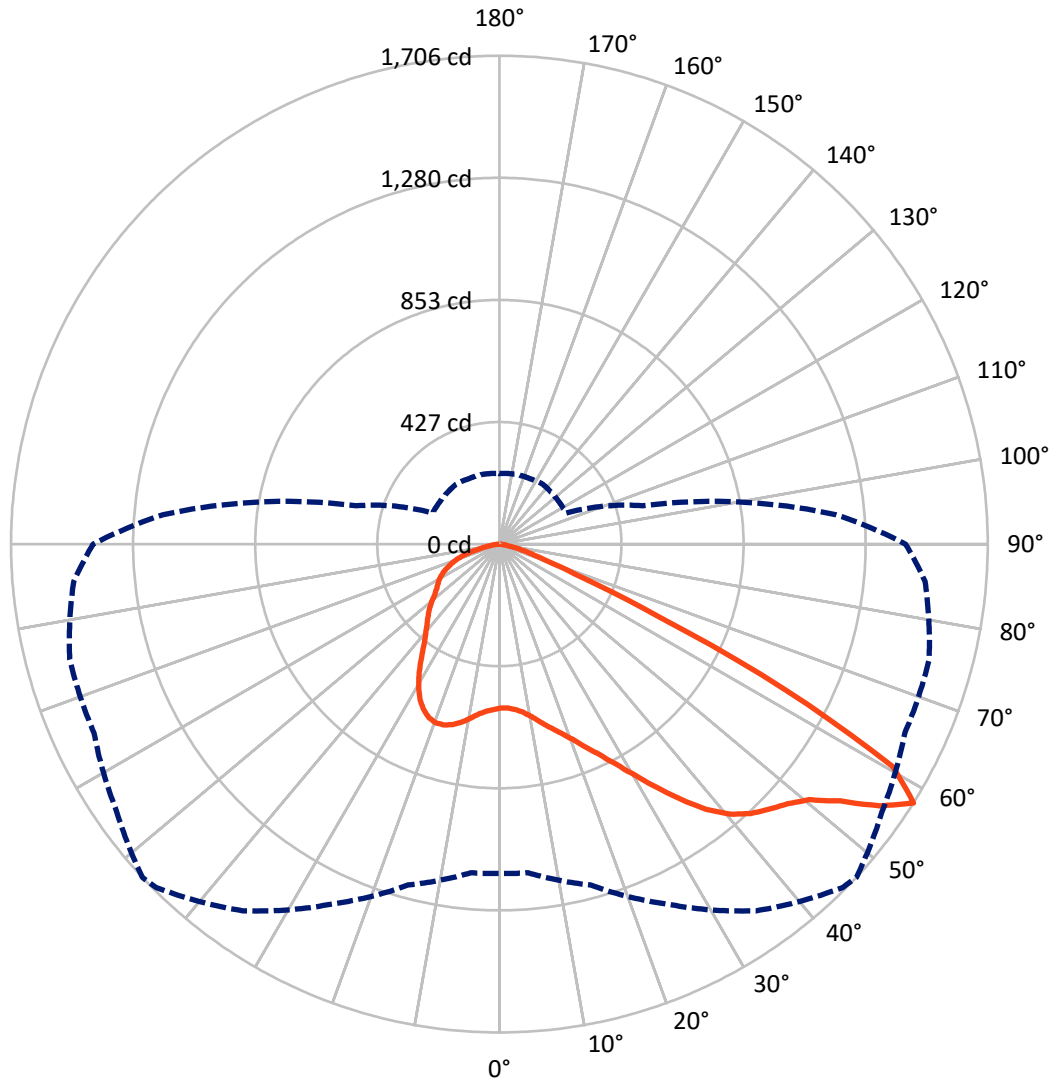
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	976.8	0.0	976.8
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	2109.4	0.0	2109.4
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	3086.2	0.0	3086.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.5	1.8
10°-20°	185.7	6.0
20°-30°	334.3	10.8
30°-40°	504.9	16.4
40°-50°	680.0	22.0
50°-60°	817.1	26.5
60°-70°	397.9	12.9
70°-80°	98.0	3.2
80°-90°	11.8	0.4
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°	3086.2	100.0
0°-180°	3086.2	100.0

**Coefficient of Utilization**



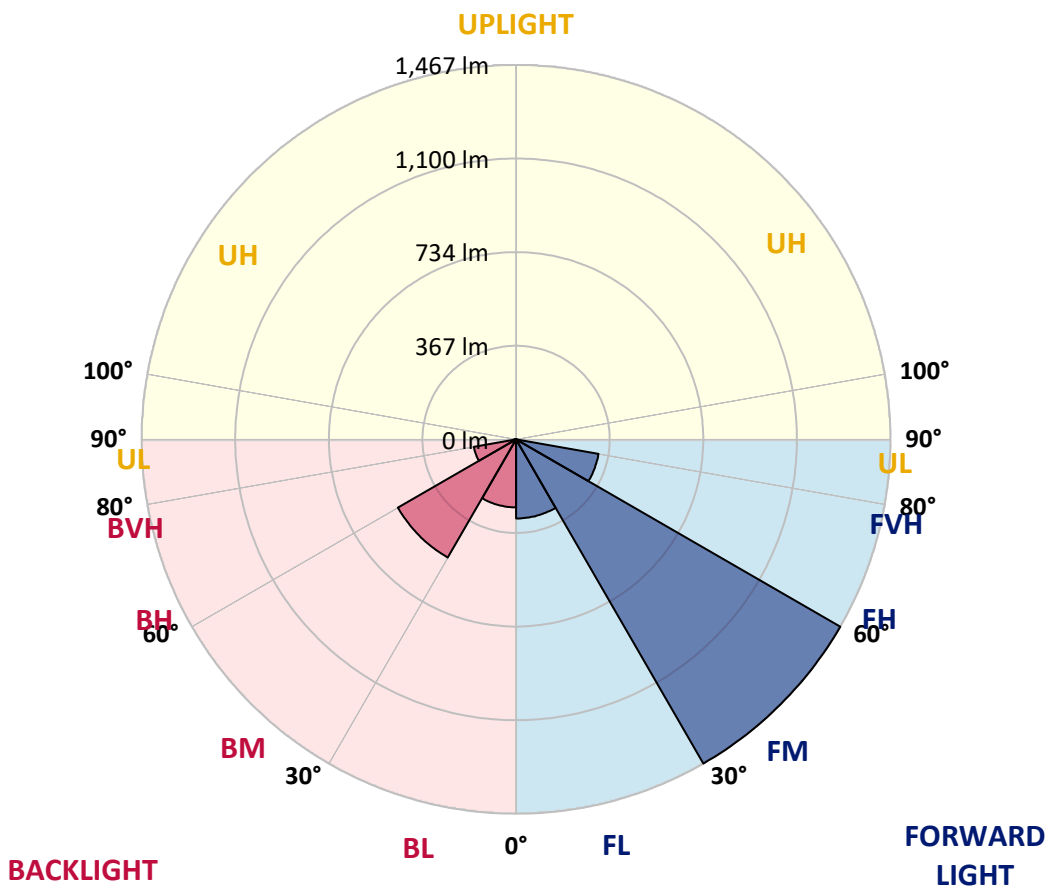
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.0	10.0			
FM (30°-60°)	1467.0	47.5			
FH (60°-80°)	328.0	10.6			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	266.4	8.6	B1/500		
BM (30°-60°)	535.0	17.3	B1/1000		
BH (60°-80°)	168.0	5.4	B1/500		G1/500
BVH (80°-90°)	7.4	0.2			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°	47°	55°	65°	75°	85°
0°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	571.3	571.0	571.0	572.6	572.6	573.1	573.9	574.7	574.9	573.6	570.8
5°	577.5	577.5	577.5	578.8	578.8	579.3	580.4	580.6	580.4	578.3	575.5
7.5°	587.4	587.4	587.6	589.2	590.5	591.3	593.1	592.8	592.0	588.7	585.0
10°	603.4	604.2	605.0	606.8	609.4	611.2	612.5	612.5	611.5	606.3	601.6
12.5°	626.3	627.3	628.1	629.6	631.7	634.8	637.7	637.7	636.4	629.9	622.9
15°	653.0	654.0	653.7	654.3	658.1	662.5	664.9	666.4	667.0	657.9	647.0
17.5°	683.5	684.6	683.5	682.0	682.5	689.5	693.7	699.4	702.7	690.5	673.2
20°	711.3	710.2	710.2	711.3	712.8	721.4	727.6	736.9	741.1	726.3	699.4
22.5°	740.6	742.9	741.9	741.9	748.1	762.3	769.9	782.0	786.4	767.3	731.0
25°	778.4	780.5	780.0	780.5	787.7	808.0	815.5	838.0	842.4	815.0	766.0
27.5°	819.9	823.3	824.8	824.3	836.0	862.4	871.7	903.1	911.1	868.4	803.3
30°	873.8	877.4	878.7	878.2	891.9	928.0	938.6	974.4	985.8	931.6	850.7
32.5°	936.3	939.9	943.8	945.3	963.0	999.8	1015.1	1052.1	1068.5	1004.7	908.0
35°	998.2	1001.3	1008.9	1021.0	1045.1	1082.7	1096.2	1132.8	1148.6	1080.7	977.2
37.5°	1066.7	1068.7	1075.2	1092.1	1126.8	1162.6	1176.0	1211.0	1212.9	1154.0	1055.5
40°	1141.6	1141.6	1140.3	1156.9	1193.2	1229.2	1240.8	1261.1	1250.4	1210.5	1131.7
42.5°	1205.1	1204.0	1205.1	1220.6	1247.6	1276.9	1287.0	1283.1	1269.6	1253.8	1200.7
45°	1262.4	1263.1	1272.5	1284.4	1298.4	1315.8	1321.7	1299.7	1287.5	1288.5	1255.9
47.5°	1301.2	1302.0	1323.8	1343.8	1352.3	1357.8	1355.2	1324.6	1318.4	1330.0	1298.4
50°	1306.4	1310.6	1348.2	1389.1	1410.4	1411.2	1403.9	1366.6	1364.8	1378.0	1321.2
52.5°	1307.5	1311.6	1358.5	1432.4	1487.6	1499.3	1491.0	1452.1	1433.2	1420.0	1349.2
55°	1303.6	1308.2	1360.1	1461.4	1567.2	1613.9	1614.6	1559.7	1499.3	1490.5	1429.0
57.5°	1150.9	1152.7	1233.1	1387.6	1564.1	1696.3	1706.4	1631.7	1562.8	1554.5	1493.1
60°	801.7	809.0	896.4	1100.4	1313.9	1547.0	1579.6	1557.9	1511.7	1451.3	1281.0
62.5°	401.5	407.7	495.4	688.2	906.2	1090.2	1125.2	1148.3	1159.2	1094.4	872.2
65°	172.9	177.6	232.0	359.5	513.0	601.9	614.1	641.8	709.7	633.3	470.0
67.5°	115.6	118.7	146.5	219.3	302.2	307.9	306.1	312.1	326.9	269.8	212.3
70°	88.7	91.2	109.9	160.7	217.2	185.9	176.0	159.7	173.4	176.8	172.1
72.5°	64.3	66.4	80.4	109.6	136.1	118.7	117.2	125.5	144.1	149.3	146.5
75°	41.5	42.5	51.1	60.1	70.2	76.2	79.3	94.4	113.3	117.2	113.8
77.5°	27.7	28.5	33.4	38.6	39.9	40.2	41.2	48.0	60.9	68.2	67.4
80°	14.5	14.5	16.3	16.3	18.7	22.3	23.3	27.7	33.7	37.3	37.6
82.5°	5.7	6.0	7.0	7.8	9.3	11.4	12.2	14.5	17.6	20.2	22.6
85°	2.3	2.6	2.9	3.4	4.1	5.2	5.4	6.2	8.3	10.4	11.7
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	0.8	1.0	1.3	2.3	3.1
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°	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3	572.3
2.5°	574.2	570.8	574.2	575.2	578.0	579.1	577.3	577.0	577.0	574.4	573.6
5°	578.0	574.9	578.3	579.9	584.0	586.6	587.1	589.2	590.5	589.4	589.2
7.5°	587.6	583.7	587.4	589.7	595.2	599.3	601.1	605.8	609.1	608.6	608.4
10°	604.5	599.3	603.4	607.3	613.3	618.2	618.5	621.1	624.4	623.4	622.9
12.5°	623.9	619.0	623.7	627.6	634.6	636.6	633.3	632.2	632.7	631.4	630.4
15°	647.8	640.8	644.9	649.3	653.2	650.9	643.6	640.8	640.5	638.7	637.7
17.5°	671.6	662.8	665.9	668.2	666.4	659.2	650.1	645.2	642.8	639.2	638.2
20°	695.2	684.1	683.5	681.7	673.4	660.2	648.0	638.2	632.2	627.3	625.5
22.5°	722.2	706.6	698.8	690.5	672.4	650.9	632.5	618.5	608.9	602.7	600.6
25°	751.2	729.2	713.1	696.5	662.0	630.9	605.3	586.1	574.7	567.9	565.6
27.5°	780.0	749.6	725.5	697.3	641.3	602.1	567.7	541.8	530.3	524.9	523.1
30°	818.9	776.9	740.3	687.2	614.1	562.2	519.2	493.0	485.5	481.6	480.1
32.5°	863.7	811.3	760.0	665.9	579.3	515.6	470.2	452.1	446.9	439.4	439.1
35°	922.8	860.6	778.7	634.6	535.5	465.5	432.6	419.7	410.3	398.4	397.4
37.5°	991.7	922.0	788.8	594.6	484.5	424.3	404.6	390.1	375.1	359.3	357.2
40°	1063.0	993.8	789.6	547.5	434.4	397.1	380.5	361.6	342.9	325.3	323.0
42.5°	1137.9	1060.7	775.8	493.0	393.5	373.5	356.7	332.8	311.8	299.9	298.6
45°	1204.8	1114.6	744.7	435.7	363.2	353.8	332.3	306.6	295.5	286.9	285.1
47.5°	1257.4	1150.4	702.7	384.4	338.5	333.6	305.6	292.4	283.8	276.1	274.2
50°	1283.4	1158.4	648.0	342.7	315.7	309.8	290.6	280.5	274.8	268.5	267.0
52.5°	1315.5	1167.5	600.9	307.7	293.4	285.4	278.1	270.1	266.0	262.1	260.8
55°	1389.4	1201.7	576.0	279.7	272.2	268.5	267.5	260.8	259.5	256.9	254.5
57.5°	1419.4	1179.7	517.1	256.9	255.3	255.8	258.4	252.2	250.9	247.8	246.3
60°	1141.6	891.7	350.2	237.2	241.3	244.7	247.3	241.1	239.3	238.7	236.7
62.5°	731.5	548.5	244.4	218.8	225.0	229.1	230.7	224.7	223.4	227.6	227.8
65°	380.8	298.9	198.3	199.1	204.3	210.5	213.6	211.5	211.0	215.4	215.7
67.5°	194.4	182.7	172.9	175.7	179.9	187.9	195.2	204.3	207.4	207.9	208.1
70°	165.6	160.5	155.5	157.3	161.7	166.2	173.2	177.6	172.4	171.1	170.6
72.5°	141.0	137.1	134.8	136.9	139.2	138.4	136.3	138.4	139.2	139.5	139.7
75°	109.6	106.8	105.0	105.2	105.2	102.4	98.5	96.2	93.6	91.5	91.5
77.5°	67.1	67.7	69.5	69.2	69.0	67.9	64.0	62.0	55.7	53.9	53.9
80°	38.4	39.1	41.0	41.5	41.5	40.2	36.3	34.0	31.1	29.8	29.6
82.5°	23.3	24.4	25.4	25.9	26.2	24.6	21.3	19.4	17.9	16.6	16.6
85°	12.2	12.7	13.7	14.0	13.2	11.7	9.9	9.1	7.5	7.3	7.3
87.5°	3.4	3.6	4.1	3.4	3.1	2.3	1.3	1.0	0.5	0.3	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)