

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P193409

Luminaire Tested: **GAN-AF-01-LED-U-5WQ-8030-600-ADJ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P193409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24143)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-01-LED-U-5WQ-8030-600-ADJ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3529 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G1

Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

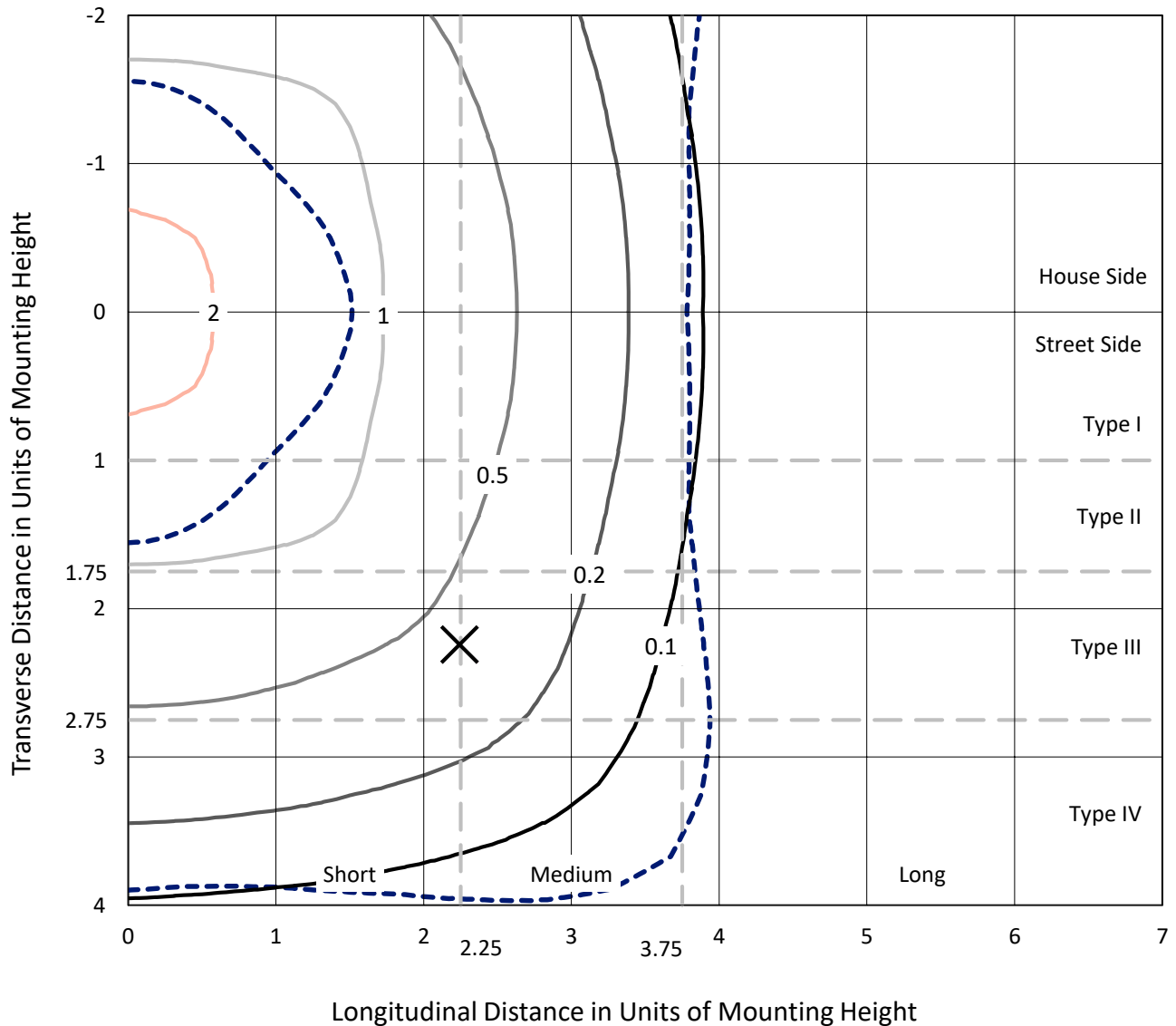


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

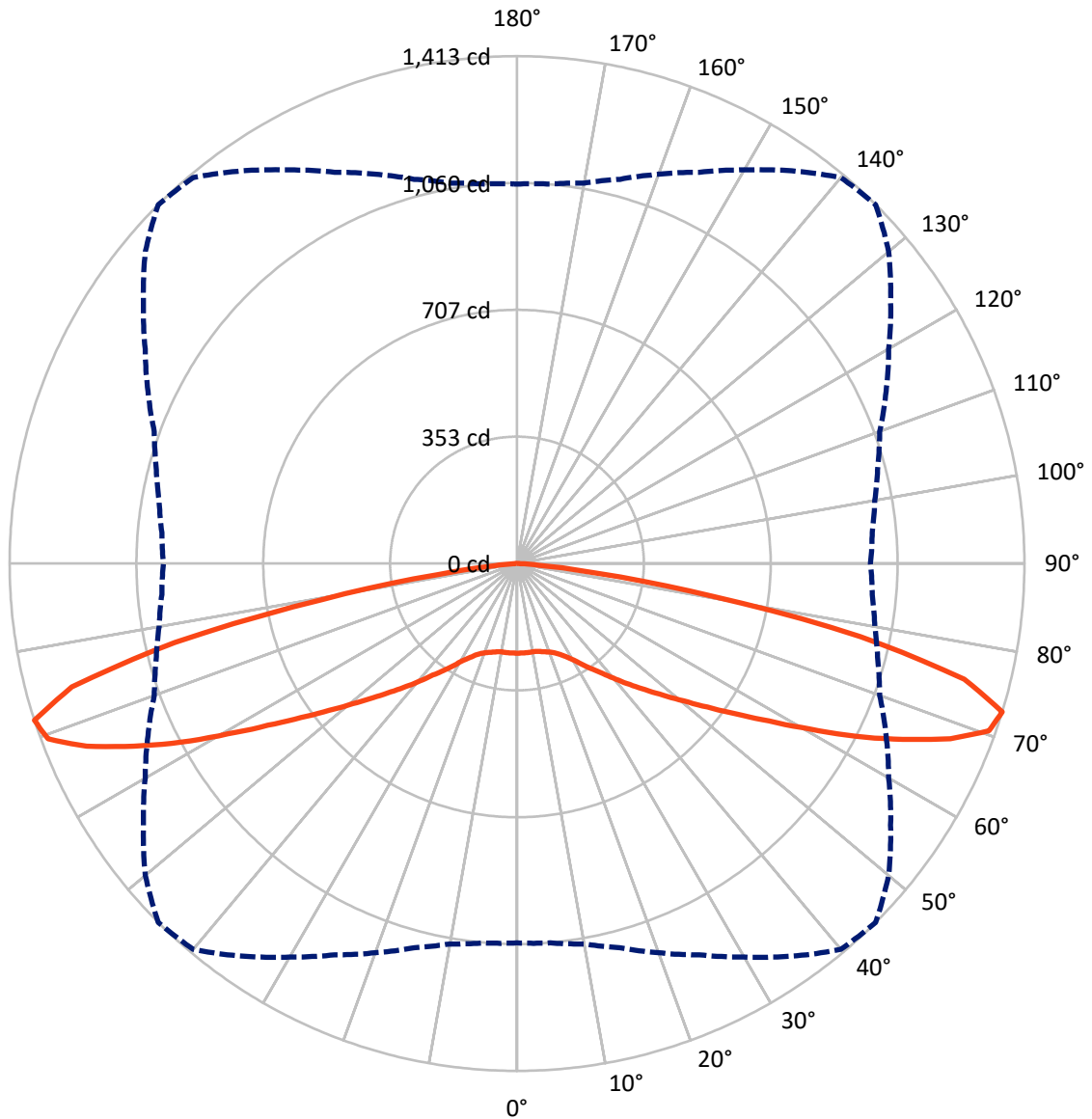


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1764.5	0.0	1764.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1764.5	0.0	1764.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3529.0	0.0	3529.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.9	0.7
10°-20°	72.5	2.1
20°-30°	132.4	3.8
30°-40°	228.4	6.5
40°-50°	390.4	11.1
50°-60°	632.7	17.9
60°-70°	1049.7	29.7
70°-80°	924.5	26.2
80°-90°	74.5	2.1
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°	3529.0	100.0
0°-180°	3529.0	100.0



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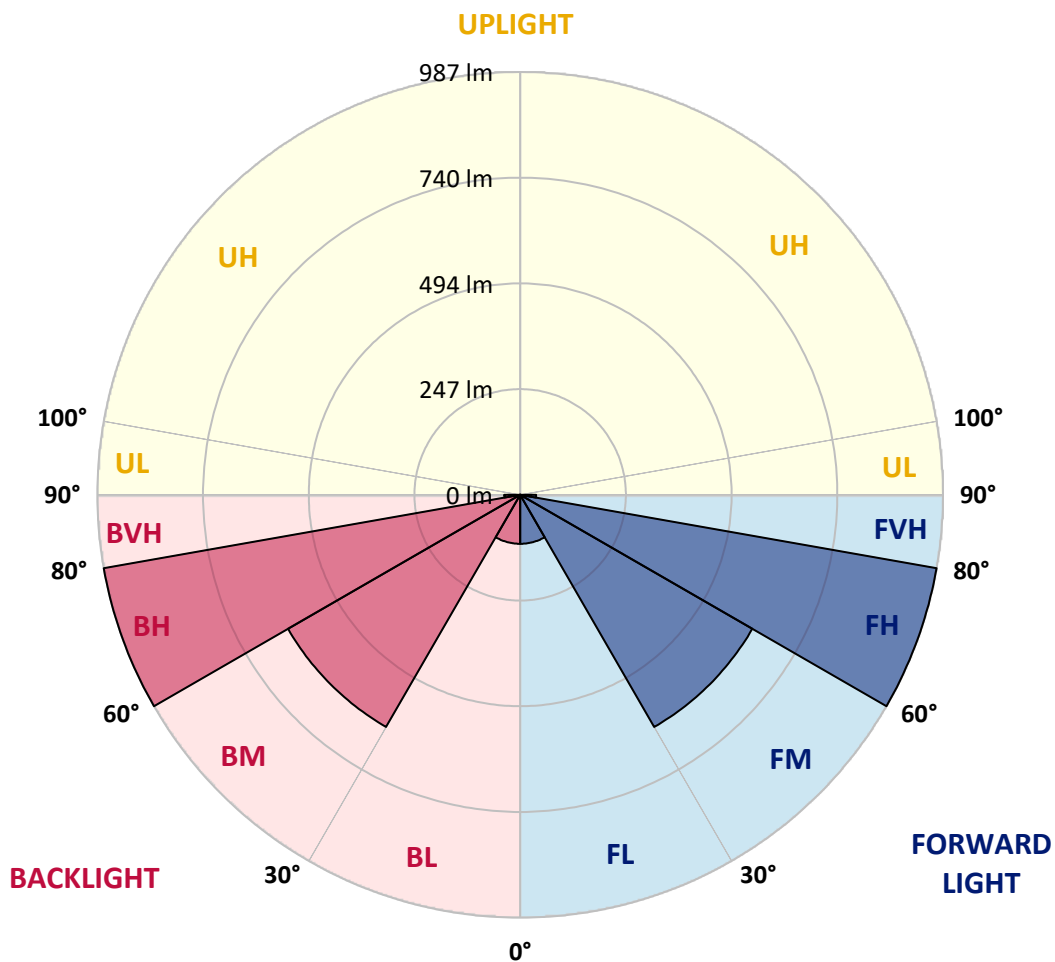
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.4	3.2			
FM (30°-60°)	625.7	17.7			
FH (60°-80°)	987.1	28.0			G1/1800
FVH (80°-90°)	37.3	1.1			G1/100
BL (0°-30°)	114.4	3.2	B1/500		
BM (30°-60°)	625.7	17.7	B1/1000		
BH (60°-80°)	987.1	28.0	B2/1000		G1/1800
BVH (80°-90°)	37.3	1.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	249.9	249.9	249.9	249.9	249.9	249.9	249.9	249.9	249.9	249.9	249.9
2.5°	249.9	250.1	250.2	250.1	250.1	249.9	249.7	249.9	249.7	249.4	249.6
5°	250.7	251.0	251.0	250.7	250.9	250.7	250.4	250.6	250.2	249.7	249.7
7.5°	251.7	251.9	251.9	251.5	251.7	251.4	251.0	250.9	250.6	249.9	249.4
10°	253.1	253.3	253.1	252.8	252.8	252.3	251.5	251.2	250.6	249.6	249.1
12.5°	254.8	254.9	254.8	254.4	254.3	253.5	252.8	252.3	251.9	251.0	250.2
15°	257.0	257.4	257.0	256.4	255.9	255.2	254.9	255.1	255.2	254.6	253.8
17.5°	261.2	261.4	260.9	259.5	258.8	258.2	258.2	258.5	259.0	258.6	257.8
20°	269.0	268.5	267.4	265.6	264.8	263.7	263.5	263.7	263.7	263.5	262.9
22.5°	278.7	278.4	276.9	274.7	273.5	272.9	271.9	271.1	270.9	270.5	269.8
25°	290.4	290.2	288.4	286.5	285.7	284.9	284.1	282.9	282.0	280.8	280.2
27.5°	305.3	304.6	302.0	301.1	299.9	299.4	298.3	297.0	296.2	294.7	293.9
30°	321.6	321.6	319.5	319.2	319.2	318.1	316.8	314.5	313.0	311.6	311.1
32.5°	338.0	338.1	336.0	336.7	337.1	338.0	338.3	337.5	336.5	336.3	335.4
35°	361.6	360.9	358.8	359.3	359.2	359.0	359.0	360.8	361.1	361.4	359.5
37.5°	390.9	390.9	388.8	388.8	387.8	386.8	385.5	386.7	388.5	388.9	387.6
40°	424.4	425.5	422.9	422.8	423.1	420.0	418.6	420.3	421.5	423.4	422.0
42.5°	463.9	463.1	460.5	460.2	458.4	457.4	456.1	457.6	459.4	460.6	461.1
45°	501.8	501.1	498.2	498.2	496.4	495.6	496.3	498.7	499.5	501.3	503.1
47.5°	539.1	538.3	536.4	537.2	537.4	538.8	540.9	543.2	545.5	547.9	548.7
50°	577.3	577.5	575.4	577.3	579.8	583.8	589.5	593.2	597.9	601.0	601.9
52.5°	612.1	612.8	615.1	619.6	624.4	632.4	642.1	651.2	658.9	664.1	663.8
55°	653.9	654.9	660.4	668.1	676.1	688.1	702.5	718.5	731.4	738.9	734.2
57.5°	707.3	709.4	715.6	726.1	737.9	753.4	773.2	797.3	817.4	827.4	819.8
60°	780.6	781.9	789.4	801.0	815.3	834.5	860.9	893.3	921.6	934.9	926.1
62.5°	877.3	879.7	885.7	897.5	912.1	933.9	966.1	1006.6	1041.9	1060.3	1040.6
65°	992.7	1000.4	1005.5	1017.4	1031.0	1054.2	1087.8	1131.2	1169.1	1181.2	1158.4
67.5°	1106.9	1113.7	1122.5	1136.2	1150.0	1176.1	1207.3	1249.4	1291.0	1302.0	1266.5
70°	1157.0	1160.8	1174.4	1193.2	1219.6	1250.3	1286.4	1333.7	1385.2	1394.2	1349.2
72.5°	1056.8	1060.7	1075.9	1107.8	1153.7	1202.6	1265.6	1335.0	1403.0	1413.2	1351.2
75°	799.3	792.9	815.4	857.7	919.7	987.8	1075.9	1175.4	1273.7	1286.4	1212.5
77.5°	413.1	412.3	429.2	481.7	555.7	633.2	730.1	842.6	938.8	977.6	917.4
80°	116.4	117.7	125.8	151.8	195.0	251.0	326.8	432.2	510.8	551.0	517.3
82.5°	45.6	49.2	52.3	57.1	62.8	71.1	94.8	141.1	189.4	226.3	185.3
85°	16.3	17.5	24.8	29.3	29.8	31.4	35.8	41.8	50.3	60.0	49.4
87.5°	6.2	6.8	7.9	13.1	12.9	11.8	14.4	15.1	11.3	10.4	12.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	249.9	249.9	249.9	249.9	249.9	249.9	249.9	249.9
2.5°	249.3	249.4	249.4	249.6	249.7	249.7	250.1	250.1
5°	249.4	249.4	249.1	249.3	249.1	249.1	249.3	249.3
7.5°	249.1	248.9	248.6	248.5	248.1	248.1	248.1	248.1
10°	248.6	248.5	248.1	248.0	247.8	247.8	247.8	247.8
12.5°	249.9	249.4	249.1	248.9	248.9	248.9	248.9	248.9
15°	253.3	252.2	251.4	251.4	251.5	251.9	251.9	252.2
17.5°	257.5	256.2	255.4	254.8	255.1	255.6	255.9	256.2
20°	262.5	261.9	260.8	260.1	260.1	260.8	261.1	261.2
22.5°	269.5	269.0	268.5	267.7	267.7	268.0	268.7	268.7
25°	279.9	279.5	279.2	278.6	278.4	278.4	278.7	279.0
27.5°	292.8	293.0	292.6	292.5	292.0	291.8	292.3	292.2
30°	310.1	310.9	311.7	311.1	310.3	309.8	309.3	308.7
32.5°	333.6	332.6	332.0	330.8	329.4	328.1	327.1	326.0
35°	355.8	354.1	353.5	354.5	354.3	353.5	352.4	351.4
37.5°	383.0	382.6	383.0	384.7	384.4	385.2	383.0	382.8
40°	417.3	417.6	419.9	422.0	423.1	424.2	422.9	421.6
42.5°	457.1	456.9	457.7	460.6	462.6	463.9	461.1	460.8
45°	499.2	498.0	498.7	501.1	503.1	504.5	501.4	501.4
47.5°	545.5	543.5	541.4	544.2	545.3	546.3	543.8	543.0
50°	597.1	593.0	588.5	589.6	589.6	589.3	586.2	586.1
52.5°	656.3	648.9	640.6	637.6	635.8	633.8	628.5	625.9
55°	724.5	713.3	700.4	692.4	688.2	682.9	674.0	671.5
57.5°	804.1	786.6	764.3	754.6	745.2	736.5	726.6	723.8
60°	898.5	872.7	843.1	825.1	815.0	806.5	796.3	795.9
62.5°	1003.7	963.1	929.5	913.4	905.9	898.5	888.8	890.1
65°	1110.7	1068.3	1036.9	1023.7	1016.8	1010.6	1000.9	1002.4
67.5°	1216.2	1177.2	1142.7	1129.3	1121.5	1113.7	1105.0	1106.5
70°	1291.9	1243.6	1204.7	1174.9	1156.3	1135.3	1121.7	1118.3
72.5°	1270.3	1195.6	1134.0	1074.9	1040.3	1012.1	993.0	984.7
75°	1099.3	997.4	918.1	845.5	804.8	771.6	747.5	732.4
77.5°	816.4	701.8	608.1	524.6	458.5	414.2	383.0	362.7
80°	446.9	339.9	248.5	174.6	128.4	106.7	94.2	88.2
82.5°	139.2	89.8	66.2	57.1	53.1	50.8	47.1	41.1
85°	44.3	38.8	36.1	34.5	32.9	28.6	19.7	18.0
87.5°	17.2	17.6	17.5	16.5	16.8	12.1	9.7	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)