

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: P316884

Luminaire Tested: **GAN-SA0B-760-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-760-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58346 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 419
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: 24 FT

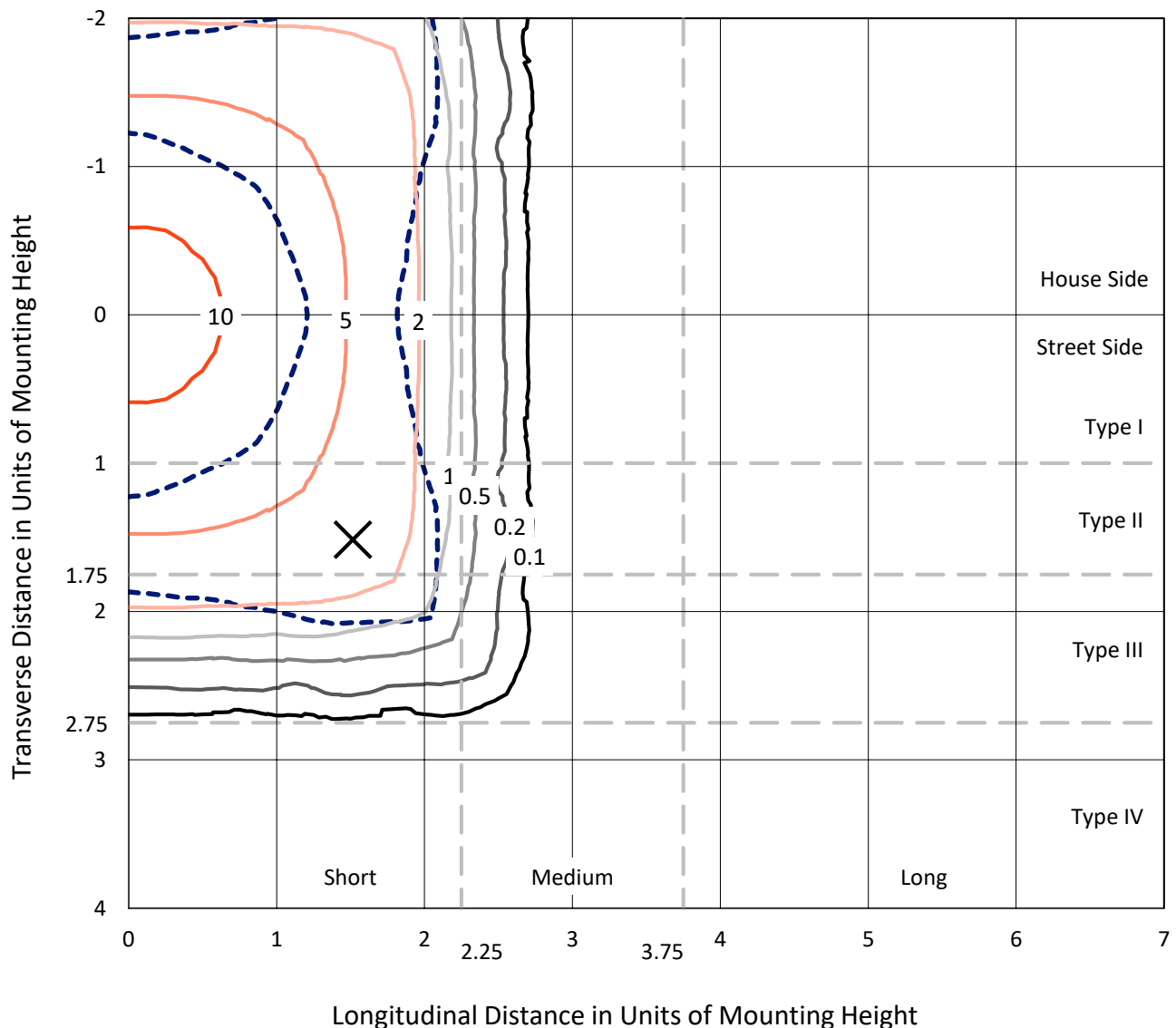


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Iso-Footcandle Lines of Horizontal Illumination

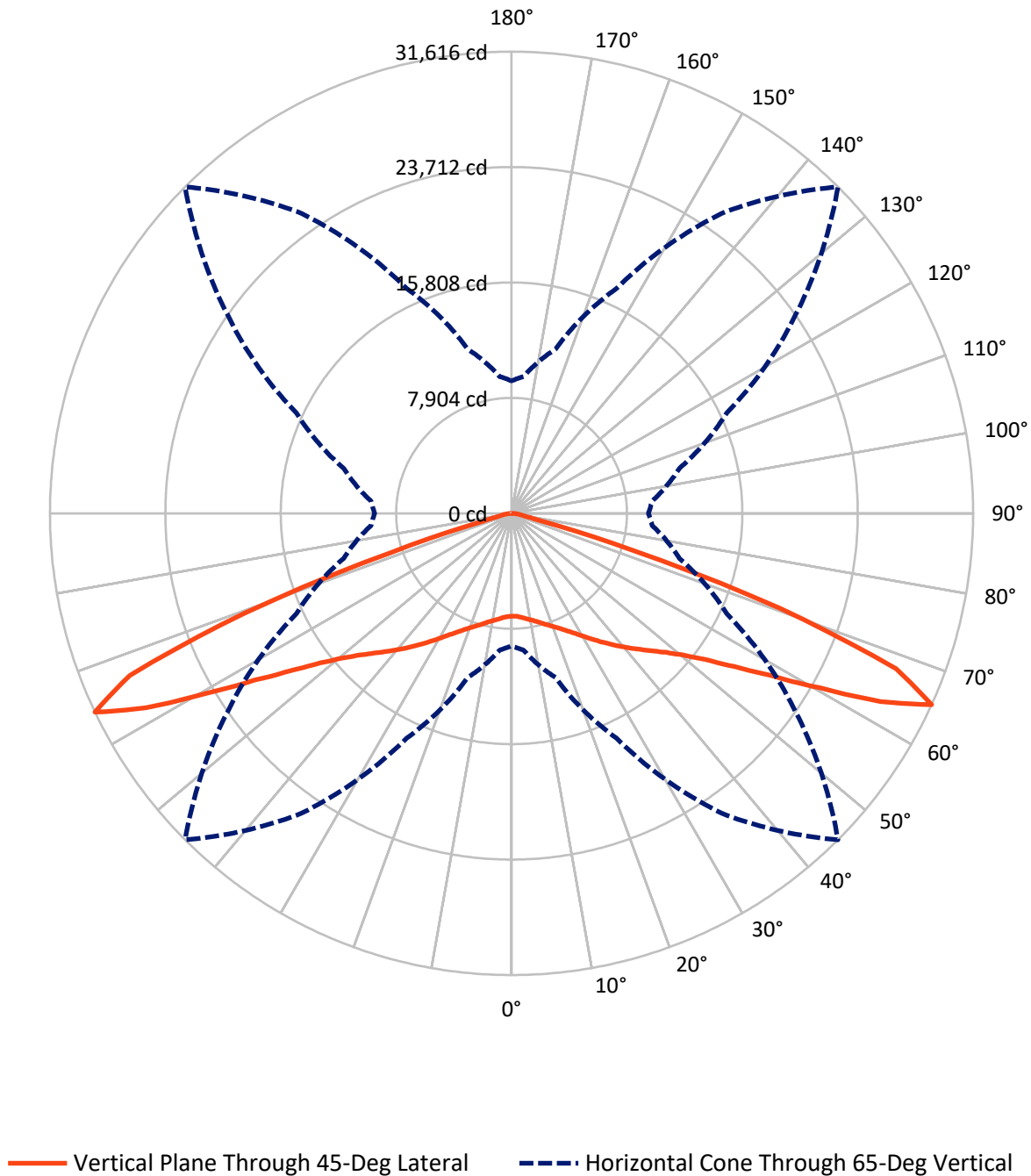
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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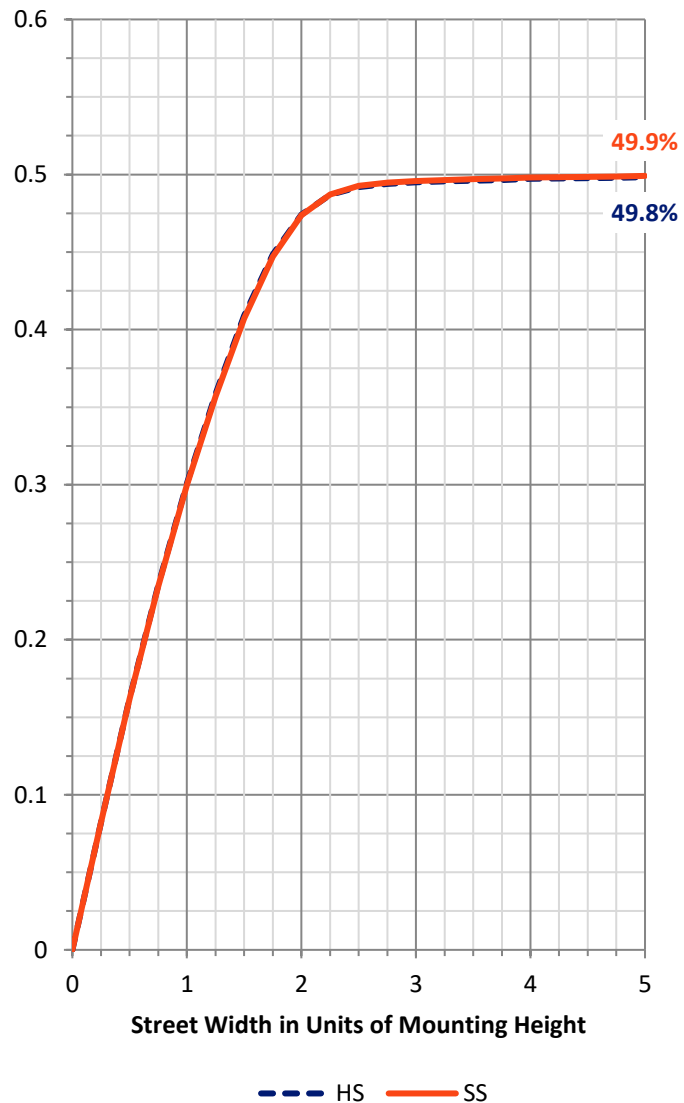
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29173.0	0.0	29173.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29173.0	0.0	29173.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	58346.0	0.0	58346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.3	1.2
10°-20°	2222.1	3.8
20°-30°	4169.0	7.1
30°-40°	6894.7	11.8
40°-50°	10678.9	18.3
50°-60°	16378.5	28.1
60°-70°	15283.0	26.2
70°-80°	1778.7	3.0
80°-90°	249.9	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°	58346.0	100.0
0°-180°	58346.0	100.0

Coefficient of Utilization



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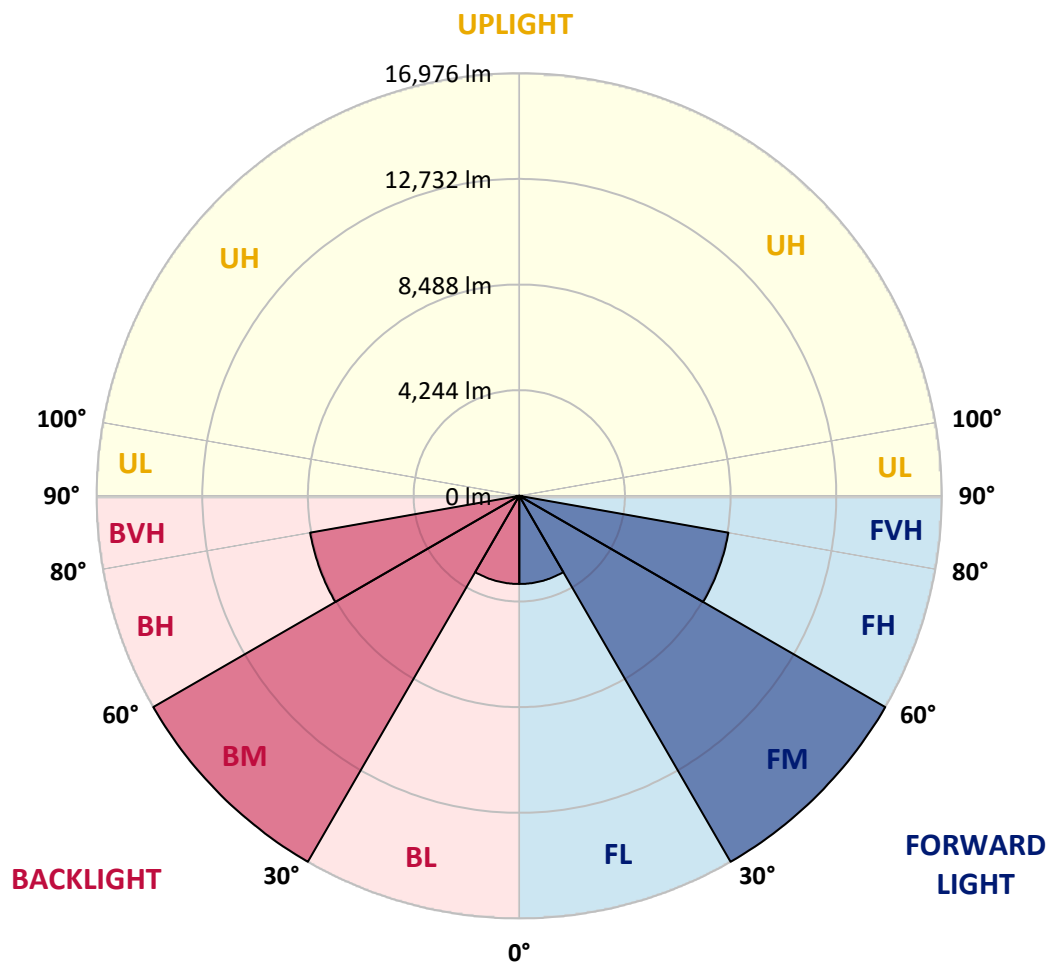
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3541.2	6.1			
FM	(30°-60°)	16976.0	29.1			
FH	(60°-80°)	8530.8	14.6			G4/12000
FVH	(80°-90°)	125.0	0.2			G2/225
BL	(0°-30°)	3541.2	6.1	B4/5000		
BM	(30°-60°)	16976.0	29.1	B5		
BH	(60°-80°)	8530.8	14.6	B5		G4/12000
BVH	(80°-90°)	125.0	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7046.0	7046.0	7046.0	7046.0	7046.0	7046.0	7046.0	7046.0	7046.0	7046.0	7046.0
2.5°	7069.3	7065.4	7069.3	7071.2	7059.6	7065.4	7063.4	7073.1	7077.0	7073.1	7073.1
5°	7150.6	7144.8	7152.5	7162.2	7146.7	7150.6	7144.8	7156.4	7160.3	7152.5	7158.4
7.5°	7262.9	7264.9	7272.6	7290.1	7280.4	7288.1	7276.5	7278.4	7276.5	7264.9	7266.8
10°	7385.0	7386.9	7400.4	7423.7	7427.6	7427.6	7419.8	7414.0	7406.3	7398.5	7400.4
12.5°	7532.2	7541.8	7551.5	7580.6	7580.6	7596.1	7592.2	7576.7	7563.1	7551.5	7551.5
15°	7731.6	7729.7	7741.3	7770.4	7783.9	7809.1	7809.1	7787.8	7770.4	7758.8	7754.9
17.5°	7940.8	7946.6	7954.4	7989.2	8010.5	8039.6	8043.5	8026.0	8014.4	7998.9	7989.2
20°	8184.8	8194.5	8225.5	8239.1	8258.4	8285.6	8295.2	8291.4	8279.7	8272.0	8273.9
22.5°	8469.6	8494.7	8514.1	8533.5	8556.7	8576.1	8585.8	8599.3	8587.7	8581.9	8578.0
25°	8814.3	8831.7	8870.5	8905.3	8920.8	8926.6	8938.3	8957.6	8955.7	8942.1	8942.1
27.5°	9205.5	9238.5	9286.9	9337.2	9337.2	9317.9	9356.6	9389.5	9377.9	9360.5	9337.2
30°	9680.0	9711.0	9767.2	9836.9	9802.1	9788.5	9840.8	9900.8	9883.4	9854.4	9850.5
32.5°	10191.4	10220.4	10294.0	10369.5	10325.0	10305.6	10361.8	10448.9	10418.0	10359.9	10325.0
35°	10745.3	10774.3	10878.9	10969.9	10894.4	10861.5	10908.0	11002.9	10948.6	10840.2	10813.1
37.5°	11347.6	11363.1	11498.7	11591.6	11539.4	11452.2	11510.3	11580.0	11533.5	11401.8	11349.6
40°	11973.2	12029.4	12186.2	12294.7	12203.7	12066.2	12163.0	12259.8	12190.1	12021.6	11932.5
42.5°	12703.4	12746.0	12955.1	13052.0	12904.8	12711.1	12842.8	12974.5	12904.8	12742.1	12664.6
45°	13462.6	13528.4	13778.3	13875.1	13662.1	13416.1	13576.9	13807.3	13801.5	13567.2	13485.8
47.5°	14289.6	14355.4	14653.7	14781.5	14551.1	14221.8	14448.4	14773.8	14750.5	14493.0	14427.1
50°	15244.4	15314.1	15686.0	15846.8	15631.8	15248.3	15589.2	15875.8	15833.2	15515.6	15521.4
52.5°	16443.3	16439.4	16902.3	17181.2	16960.4	16621.5	16935.2	17214.1	17037.9	16598.2	16584.7
55°	17493.0	17556.9	18130.2	18659.0	18645.4	18515.7	18641.5	18653.2	18149.6	17564.7	17493.0
57.5°	18182.5	18304.5	19112.2	20069.0	20785.6	20957.9	20713.9	19974.0	18794.5	17859.1	17744.8
60°	17758.4	17944.3	19212.9	21163.2	23274.3	24287.3	22910.2	20615.1	18292.9	16989.5	16834.5
62.5°	14895.8	15209.6	17066.9	20634.5	25416.4	28377.8	24502.2	19586.7	16298.0	14502.6	14237.3
65°	9071.9	9403.1	11642.0	16983.7	25069.7	31616.1	23776.0	16257.4	11895.7	9662.6	9376.0
67.5°	3023.3	3120.2	4439.1	9387.6	19702.9	28406.8	19735.8	9732.3	5177.0	3432.0	3331.3
70°	1183.4	1193.1	1408.0	2721.2	9304.3	19511.2	10266.9	2769.6	1472.0	1164.0	1189.2
72.5°	869.6	873.5	933.5	1136.9	2424.9	8595.4	2512.0	1142.7	908.4	815.4	815.4
75°	699.2	699.2	741.8	828.9	1086.5	1971.6	1102.0	819.3	710.8	650.8	643.0
77.5°	552.0	563.6	596.5	652.7	736.0	949.0	763.1	648.8	573.3	517.1	505.5
80°	410.6	422.2	476.4	503.6	528.7	658.5	563.6	507.4	453.2	387.4	375.7
82.5°	269.2	280.8	348.6	364.1	358.3	430.0	379.6	373.8	333.1	249.8	238.2
85°	176.2	180.1	232.4	242.1	222.7	195.6	242.1	255.7	232.4	162.7	156.9
87.5°	83.3	83.3	118.1	110.4	100.7	81.3	110.4	129.8	131.7	79.4	77.5
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)