

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: P317043

Luminaire Tested: **GAN-SA9B-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43673 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 374
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



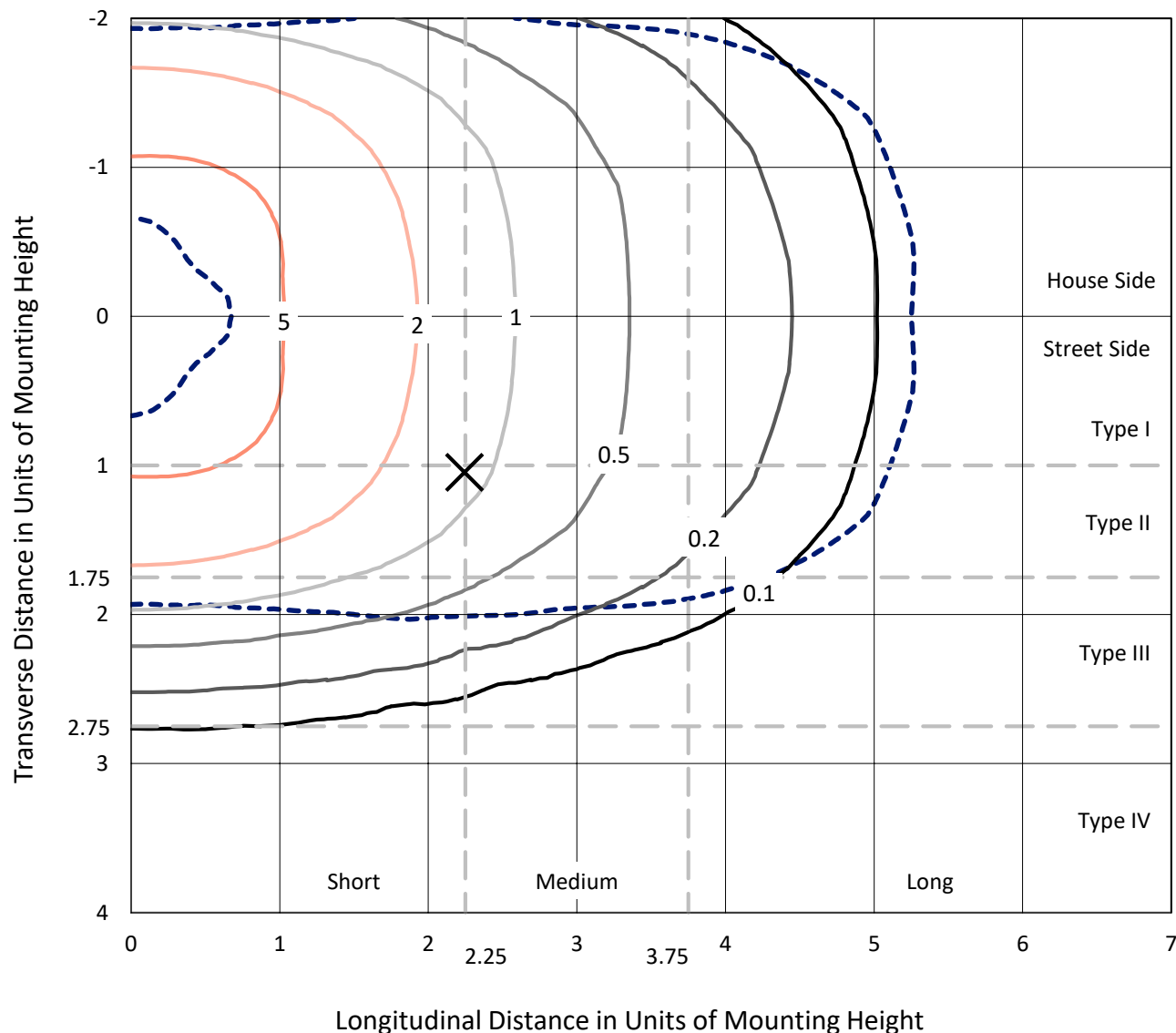
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

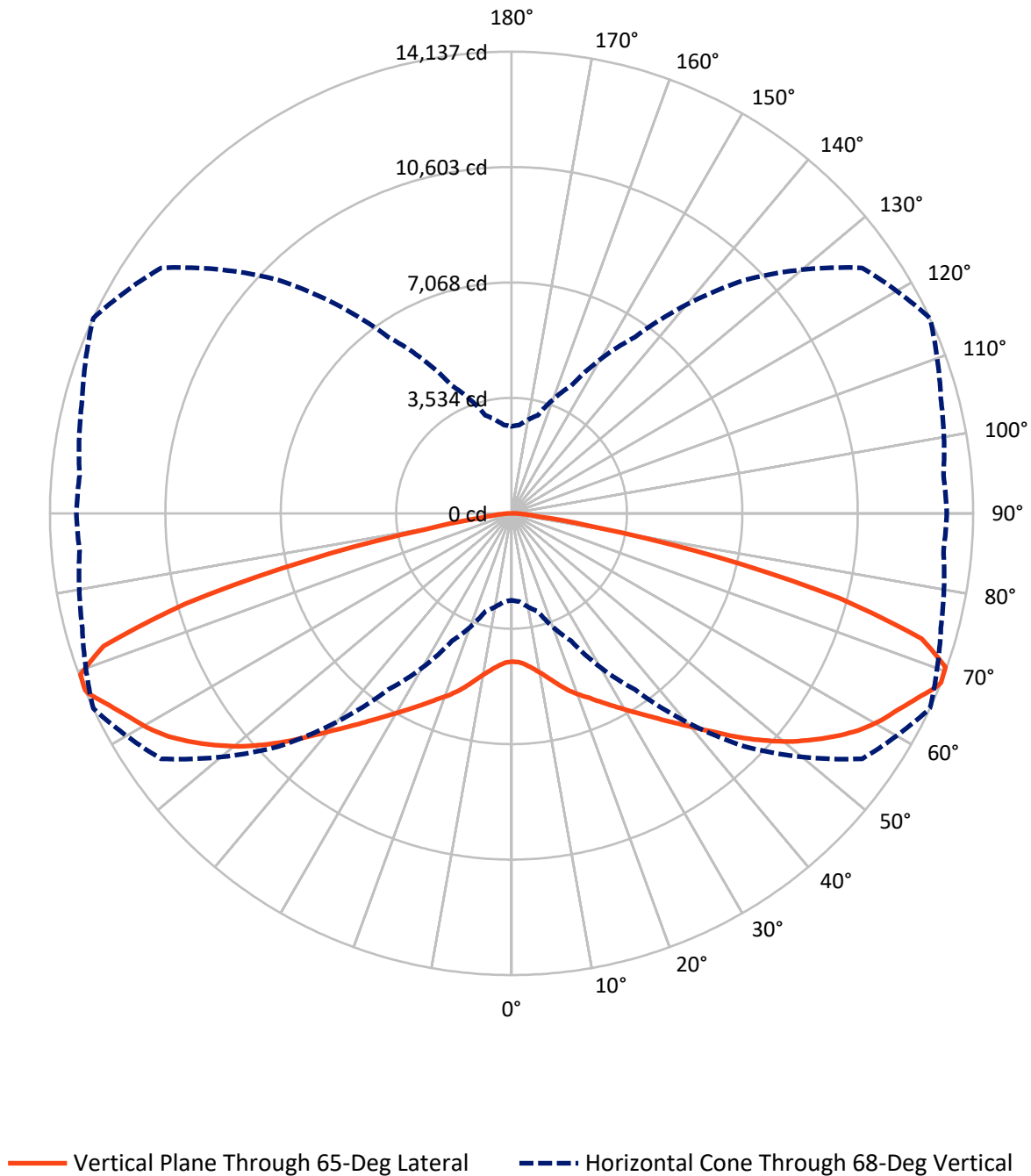
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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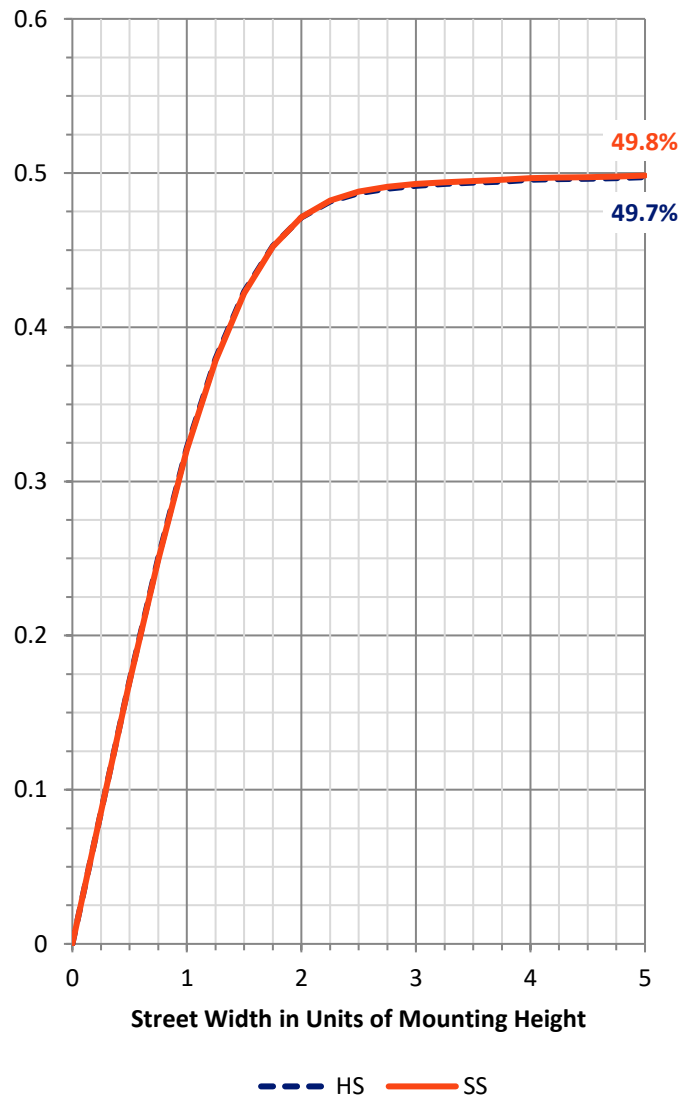
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21836.5	0.0	21836.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21836.5	0.0	21836.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43673.0	0.0	43673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.6	1.0
10°-20°	1488.7	3.4
20°-30°	2902.5	6.6
30°-40°	4876.1	11.2
40°-50°	7682.9	17.6
50°-60°	10274.6	23.5
60°-70°	9988.2	22.9
70°-80°	5460.1	12.5
80°-90°	555.3	1.3
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°	43673.0	100.0
0°-180°	43673.0	100.0

Coefficient of Utilization



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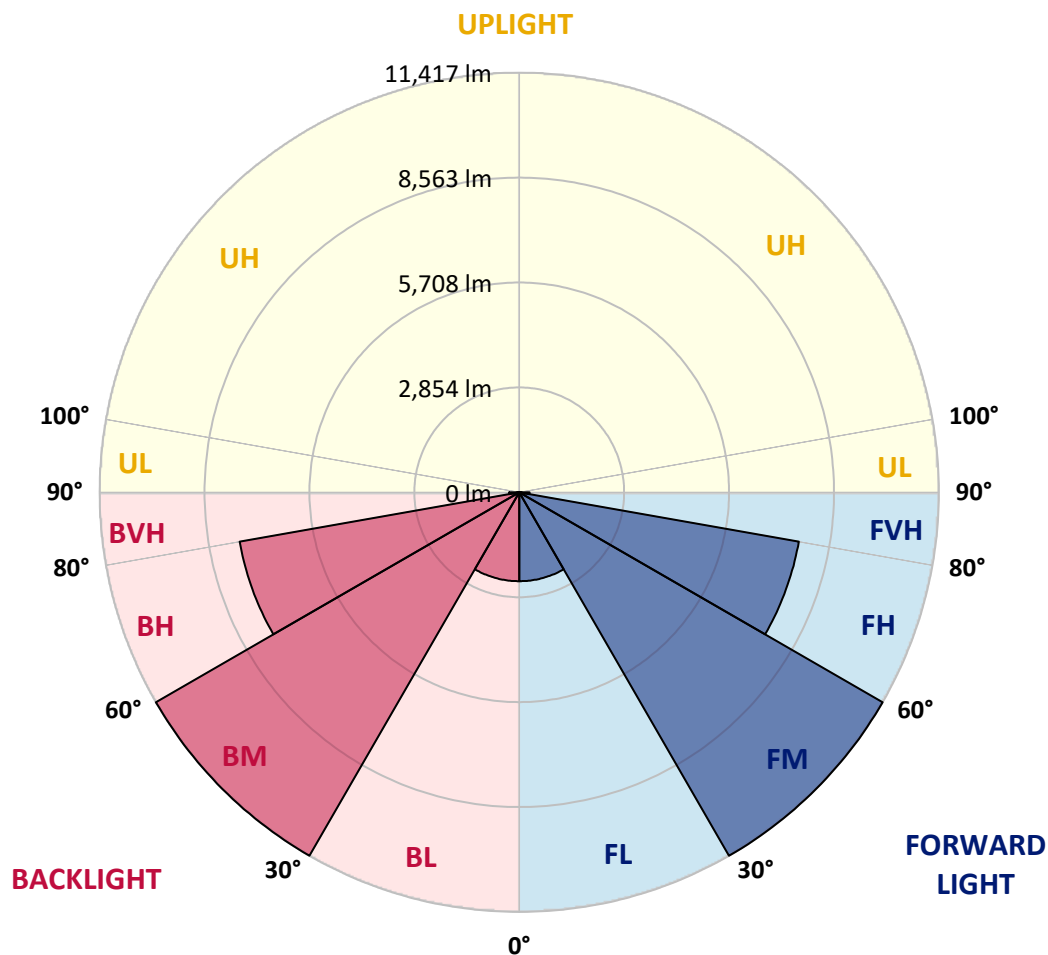
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2417.9	5.5			
FM	(30°-60°)	11416.8	26.1			
FH	(60°-80°)	7724.1	17.7			G4/12000
FVH	(80°-90°)	277.7	0.6			G3/500
BL	(0°-30°)	2417.9	5.5	B3/2500		
BM	(30°-60°)	11416.8	26.1	B5		
BH	(60°-80°)	7724.1	17.7	B5		G5
BVH	(80°-90°)	277.7	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4541.0	4541.0	4541.0	4541.0	4541.0	4541.0	4541.0	4541.0	4541.0	4541.0	4541.0
2.5°	4508.7	4510.2	4517.5	4526.3	4533.6	4552.7	4557.1	4564.4	4567.3	4574.6	4574.6
5°	4469.2	4472.1	4489.7	4513.1	4539.5	4586.4	4620.0	4658.1	4677.1	4697.7	4696.2
7.5°	4464.8	4472.1	4497.0	4535.1	4579.0	4656.6	4726.9	4803.1	4854.3	4901.2	4898.3
10°	4510.2	4521.9	4557.1	4614.2	4680.1	4776.7	4880.7	4983.2	5072.5	5144.3	5147.2
12.5°	4579.0	4593.7	4649.3	4735.7	4835.3	4959.8	5082.8	5198.5	5321.5	5428.4	5437.1
15°	4669.8	4688.9	4772.3	4901.2	5053.5	5201.4	5333.2	5451.8	5593.8	5741.7	5756.4
17.5°	4804.5	4830.9	4940.7	5115.0	5315.6	5478.2	5615.8	5705.1	5823.7	5976.0	6003.9
20°	5009.6	5043.2	5182.4	5390.3	5634.8	5804.7	5910.1	5929.2	5987.7	6123.9	6156.1
22.5°	5276.1	5305.4	5460.6	5708.1	5981.9	6166.4	6222.0	6145.9	6140.0	6249.9	6280.6
25°	5573.3	5599.7	5779.8	6058.0	6352.4	6555.9	6554.5	6406.6	6304.0	6389.0	6421.2
27.5°	5907.2	5948.2	6121.0	6413.9	6728.7	6929.3	6917.6	6689.2	6494.4	6516.4	6544.2
30°	6290.9	6336.3	6504.7	6801.9	7116.8	7313.0	7298.3	6996.7	6703.8	6645.2	6665.7
32.5°	6766.8	6821.0	6980.6	7273.5	7551.7	7728.9	7686.4	7330.6	6955.7	6828.3	6847.3
35°	7339.3	7371.6	7540.0	7828.4	8054.0	8175.5	8086.2	7717.2	7274.9	7121.2	7121.2
37.5°	7919.2	7944.1	8133.0	8412.7	8630.9	8695.3	8521.1	8140.3	7692.3	7474.1	7478.5
40°	8475.7	8543.0	8755.4	9042.4	9257.7	9275.2	9043.9	8623.6	8156.5	7930.9	7957.3
42.5°	9057.0	9122.9	9376.3	9701.4	9891.7	9921.0	9650.1	9165.4	8680.7	8497.7	8526.9
45°	9575.4	9628.1	9921.0	10298.8	10536.0	10612.2	10291.5	9786.3	9247.4	9068.7	9076.1
47.5°	9937.1	10005.9	10328.1	10773.3	11118.8	11236.0	10921.2	10391.1	9805.3	9588.6	9607.6
50°	10265.1	10301.7	10628.3	11114.5	11553.8	11795.4	11525.9	10988.5	10369.1	10139.2	10159.7
52.5°	10448.2	10495.0	10811.3	11318.0	11837.8	12227.4	12063.4	11525.9	10913.8	10689.8	10714.7
55°	10320.8	10355.9	10735.2	11363.4	12013.6	12493.9	12518.8	12051.6	11448.3	11252.1	11322.4
57.5°	9740.9	9784.8	10247.6	11070.5	12035.5	12674.0	12861.4	12539.3	11947.7	11788.1	11829.1
60°	8834.5	8862.3	9355.8	10281.2	11607.9	12748.7	13079.6	12937.6	12436.8	12277.2	12332.8
62.5°	7219.3	7260.3	7850.4	9090.7	10704.4	12527.6	13290.5	13267.1	12892.2	12745.7	12795.5
65°	4934.9	5006.6	5659.7	7228.1	9311.8	11851.0	13482.3	13650.7	13294.9	13110.4	13176.3
67.5°	2980.0	3032.7	3505.7	4772.3	7125.6	10486.2	13284.6	14087.1	13579.0	13281.7	13335.9
68°	2663.7	2712.0	3107.4	4306.7	6591.1	10101.1	13104.5	14136.9	13609.7	13278.8	13327.1
70°	1609.3	1641.5	1906.6	2662.2	4394.5	8012.9	11875.9	14095.9	13805.9	13319.8	13347.6
72.5°	1048.5	1058.7	1102.7	1366.2	2244.9	4480.9	8913.5	13135.3	14100.3	13558.5	13554.1
75°	871.3	865.4	869.8	900.6	1107.1	1965.2	5208.7	10376.4	13441.3	13182.1	13089.9
77.5°	736.6	732.2	730.7	732.2	741.0	948.9	2261.0	6463.7	10285.6	11660.7	11742.7
80°	596.0	590.1	609.2	600.4	574.0	590.1	947.4	2688.6	4848.5	5216.0	4888.0
82.5°	433.4	411.5	493.5	470.1	448.1	415.9	522.8	868.4	1156.8	793.7	557.9
85°	333.9	310.4	374.9	360.2	307.5	212.3	310.4	424.7	468.6	268.0	210.9
87.5°	136.2	143.5	270.9	213.8	180.1	102.5	127.4	169.9	228.4	114.2	87.9
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)