

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: P317230

Luminaire Tested: **GAN-SA6A-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317230
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-SA6A-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20944 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

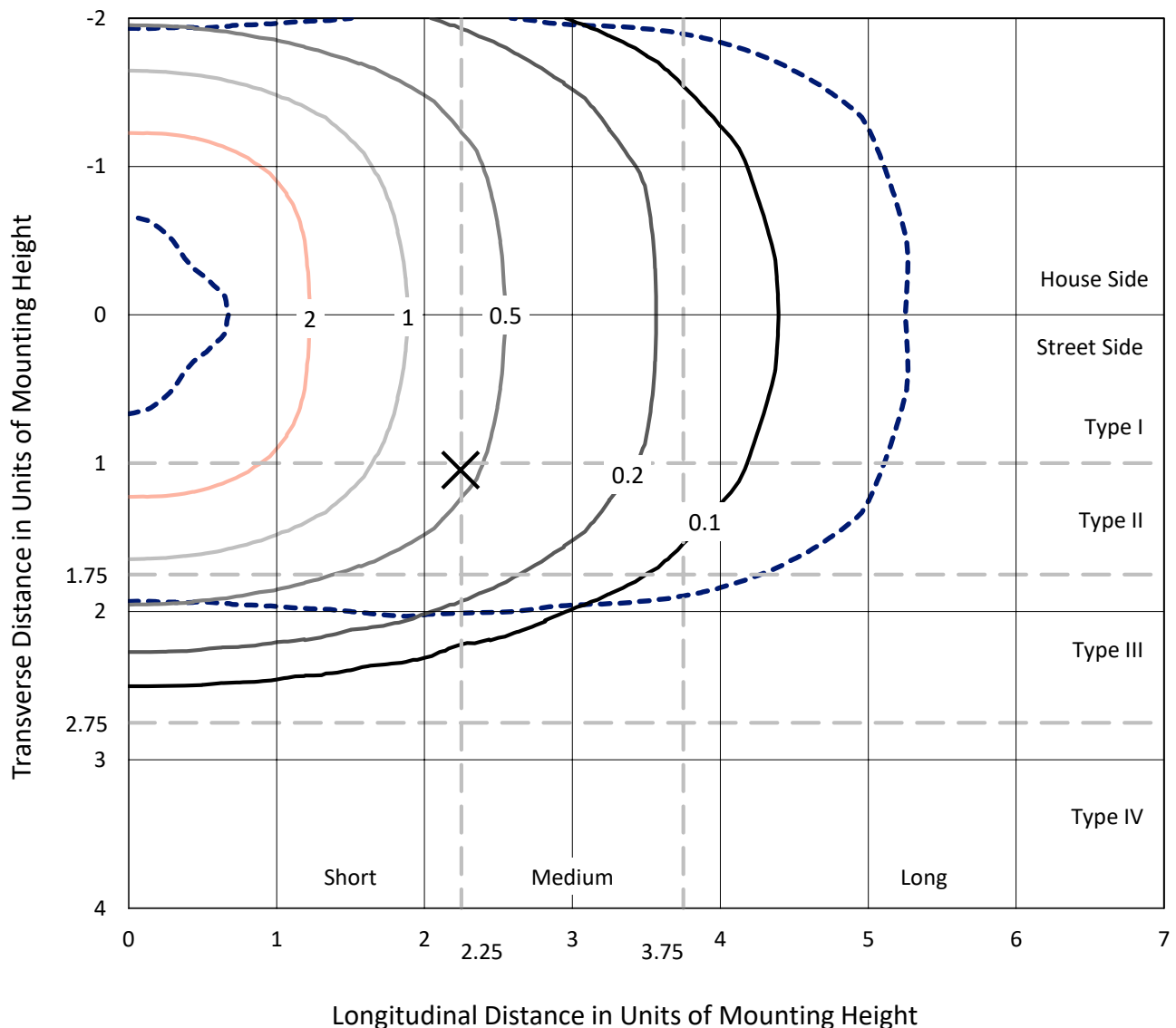
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

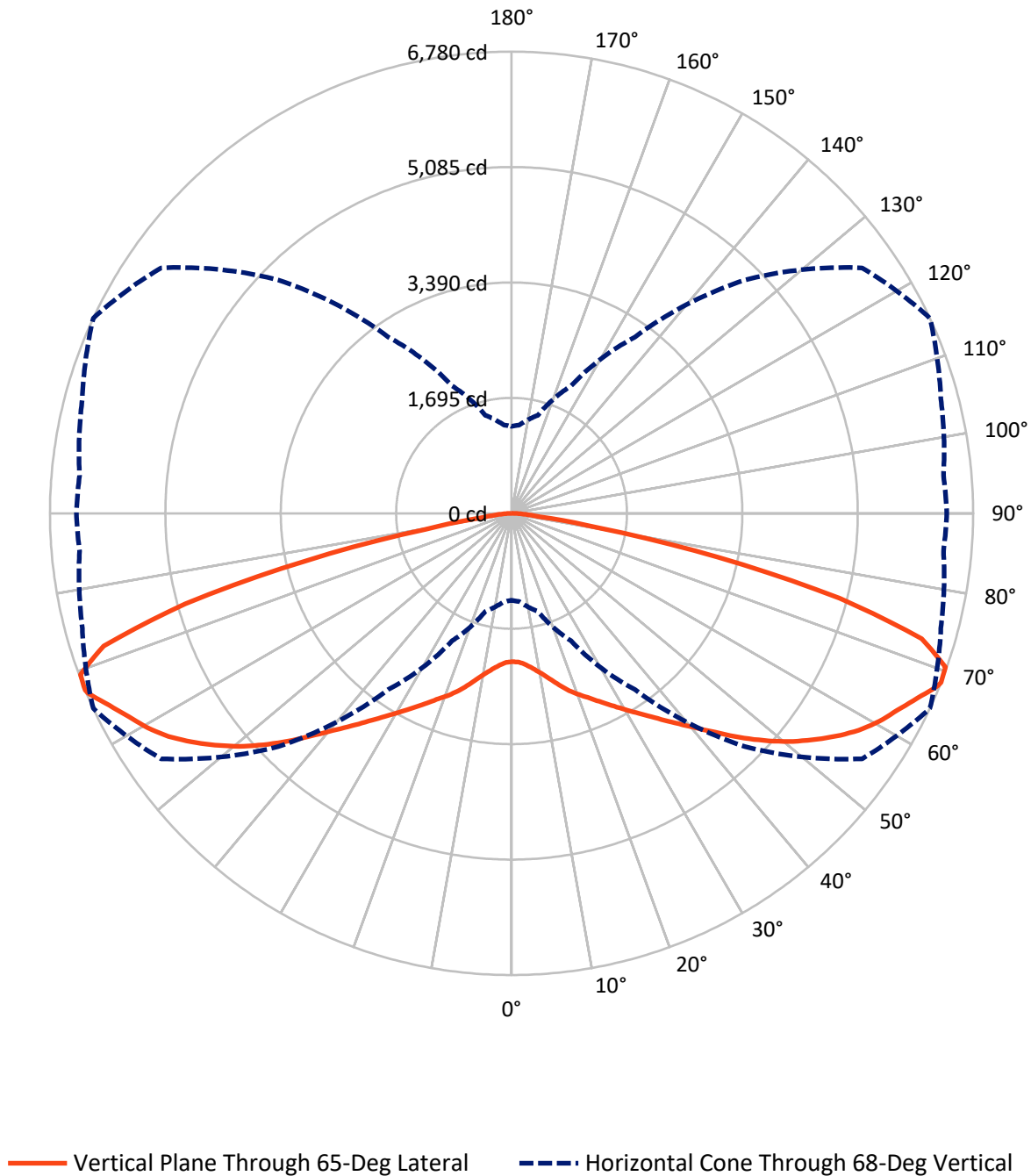
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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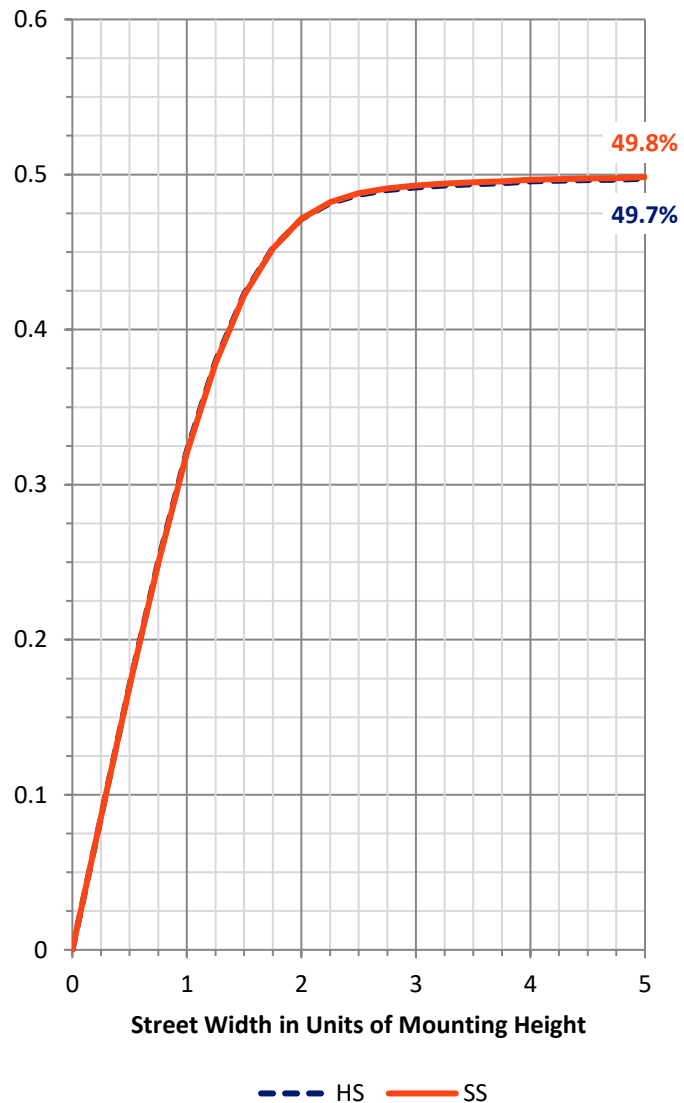
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10472.0	0.0	10472.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10472.0	0.0	10472.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20944.0	0.0	20944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.2	1.0
10°-20°	713.9	3.4
20°-30°	1392.0	6.6
30°-40°	2338.4	11.2
40°-50°	3684.5	17.6
50°-60°	4927.3	23.5
60°-70°	4790.0	22.9
70°-80°	2618.4	12.5
80°-90°	266.3	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°	20944.0	100.0
0°-180°	20944.0	100.0

Coefficient of Utilization



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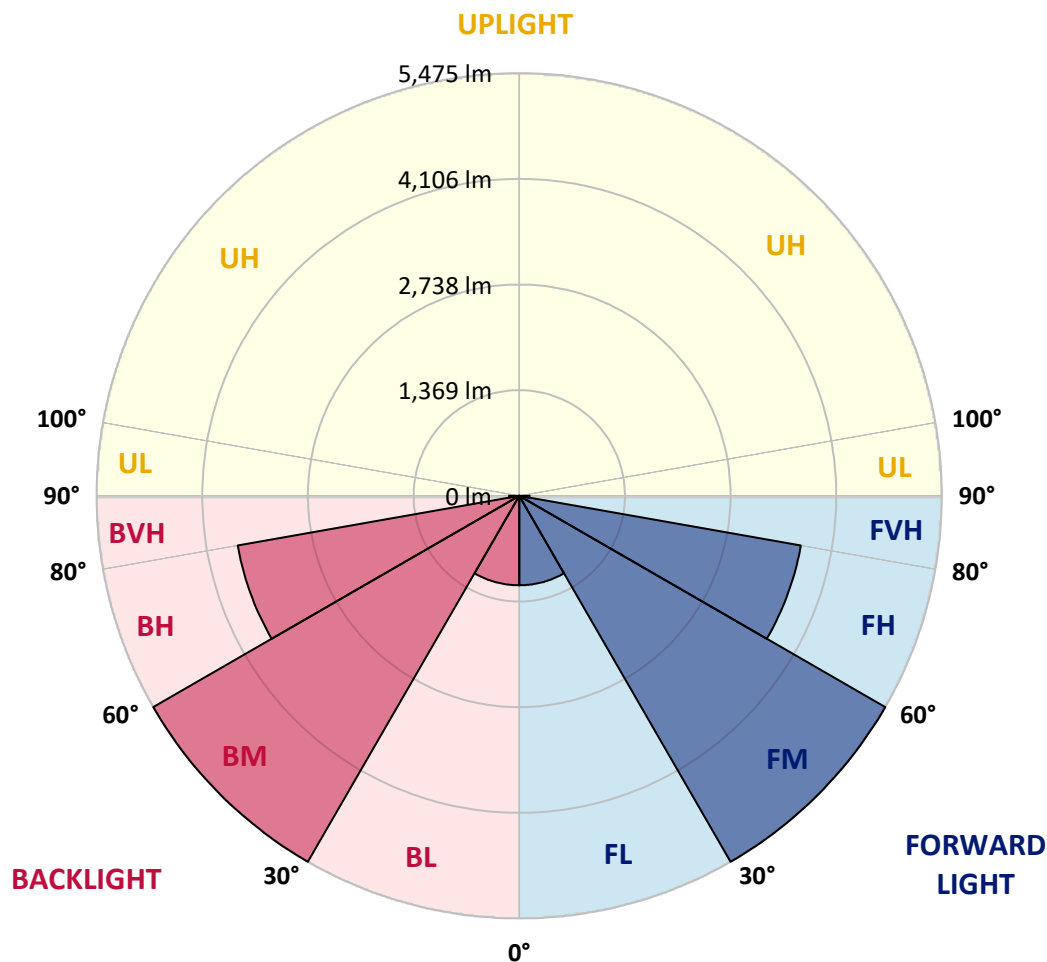
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1159.5	5.5			
FM	(30°-60°)	5475.1	26.1			
FH	(60°-80°)	3704.2	17.7			G2/5000
FVH	(80°-90°)	133.2	0.6			G2/225
BL	(0°-30°)	1159.5	5.5	B3/2500		
BM	(30°-60°)	5475.1	26.1	B4/8500		
BH	(60°-80°)	3704.2	17.7	B4/5000		G4/5000
BVH	(80°-90°)	133.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7	2177.7
2.5°	2162.2	2162.9	2166.4	2170.7	2174.2	2183.3	2185.4	2188.9	2190.3	2193.8	2193.8
5°	2143.3	2144.7	2153.1	2164.3	2177.0	2199.5	2215.6	2233.9	2243.0	2252.8	2252.1
7.5°	2141.2	2144.7	2156.6	2174.9	2195.9	2233.2	2266.9	2303.4	2328.0	2350.4	2349.0
10°	2162.9	2168.6	2185.4	2212.8	2244.4	2290.7	2340.6	2389.8	2432.6	2467.0	2468.4
12.5°	2195.9	2203.0	2229.6	2271.1	2318.8	2378.5	2437.5	2493.0	2552.0	2603.2	2607.5
15°	2239.5	2248.6	2288.6	2350.4	2423.5	2494.4	2557.6	2614.5	2682.6	2753.5	2760.6
17.5°	2304.1	2316.7	2369.4	2453.0	2549.2	2627.1	2693.1	2736.0	2792.9	2865.9	2879.2
20°	2402.4	2418.6	2485.3	2585.0	2702.3	2783.7	2834.3	2843.4	2871.5	2936.8	2952.3
22.5°	2530.2	2544.3	2618.7	2737.4	2868.7	2957.2	2983.9	2947.4	2944.5	2997.2	3012.0
25°	2672.8	2685.4	2771.8	2905.2	3046.4	3144.0	3143.3	3072.4	3023.2	3063.9	3079.4
27.5°	2832.9	2852.5	2935.4	3075.9	3226.8	3323.1	3317.4	3207.9	3114.5	3125.0	3138.4
30°	3016.9	3038.6	3119.4	3262.0	3412.9	3507.0	3500.0	3355.4	3214.9	3186.8	3196.7
32.5°	3245.1	3271.1	3347.6	3488.1	3621.5	3706.5	3686.1	3515.5	3335.7	3274.6	3283.7
35°	3519.7	3535.1	3615.9	3754.2	3862.4	3920.7	3877.8	3700.9	3488.8	3415.1	3415.1
37.5°	3797.8	3809.7	3900.3	4034.4	4139.1	4170.0	4086.4	3903.8	3688.9	3584.3	3586.4
40°	4064.6	4096.9	4198.8	4336.4	4439.6	4448.1	4337.1	4135.6	3911.5	3803.4	3816.0
42.5°	4343.4	4375.0	4496.5	4652.4	4743.7	4757.8	4627.8	4395.4	4162.9	4075.2	4089.2
45°	4592.0	4617.3	4757.8	4938.9	5052.7	5089.2	4935.4	4693.1	4434.7	4349.0	4352.6
47.5°	4765.5	4798.5	4953.0	5166.5	5332.2	5388.4	5237.4	4983.2	4702.3	4598.3	4607.5
50°	4922.8	4940.3	5096.9	5330.1	5540.8	5656.6	5527.4	5269.7	4972.6	4862.4	4872.2
52.5°	5010.6	5033.0	5184.7	5427.7	5677.0	5863.8	5785.2	5527.4	5233.9	5126.4	5138.4
55°	4949.5	4966.3	5148.2	5449.5	5761.3	5991.6	6003.6	5779.5	5490.2	5396.1	5429.8
57.5°	4671.4	4692.4	4914.4	5309.0	5771.8	6078.0	6167.9	6013.4	5729.7	5653.1	5672.8
60°	4236.7	4250.0	4486.7	4930.5	5566.8	6113.8	6272.5	6204.4	5964.2	5887.7	5914.4
62.5°	3462.1	3481.8	3764.8	4359.6	5133.5	6007.8	6373.6	6362.4	6182.6	6112.4	6136.3
65°	2366.6	2401.0	2714.2	3466.3	4465.6	5683.3	6465.6	6546.4	6375.7	6287.3	6318.9
67.5°	1429.1	1454.4	1681.2	2288.6	3417.2	5028.8	6370.8	6755.7	6512.0	6369.4	6395.4
68°	1277.4	1300.6	1490.2	2065.3	3160.8	4844.1	6284.5	6779.5	6526.7	6368.0	6391.2
70°	771.8	787.2	914.3	1276.7	2107.5	3842.7	5695.3	6759.9	6620.8	6387.7	6401.0
72.5°	502.8	507.7	528.8	655.2	1076.6	2148.9	4274.6	6299.2	6762.0	6502.2	6500.0
75°	417.8	415.0	417.1	431.9	530.9	942.4	2497.9	4976.2	6446.0	6321.7	6277.4
77.5°	353.2	351.1	350.4	351.1	355.3	455.1	1084.3	3099.7	4932.6	5592.0	5631.4
80°	285.8	283.0	292.1	287.9	275.3	283.0	454.4	1289.3	2325.2	2501.4	2344.1
82.5°	207.9	197.3	236.7	225.4	214.9	199.4	250.7	416.4	554.8	380.6	267.6
85°	160.1	148.9	179.8	172.8	147.5	101.8	148.9	203.7	224.7	128.5	101.1
87.5°	65.3	68.8	129.9	102.5	86.4	49.2	61.1	81.5	109.6	54.8	42.1
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)