

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: P317300

Luminaire Tested: **GAN-SA6D-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317300
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-SA6D-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37695 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

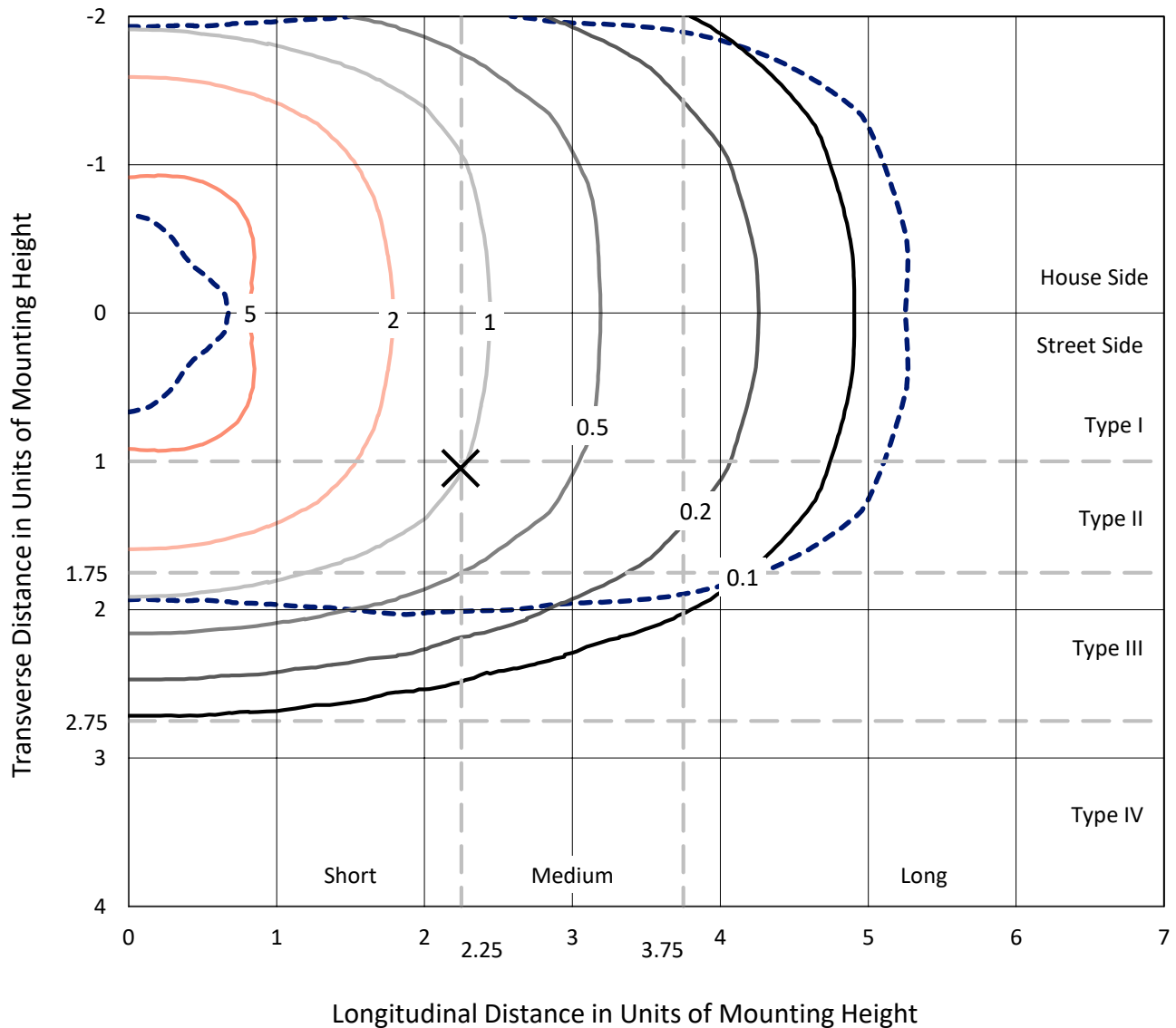
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

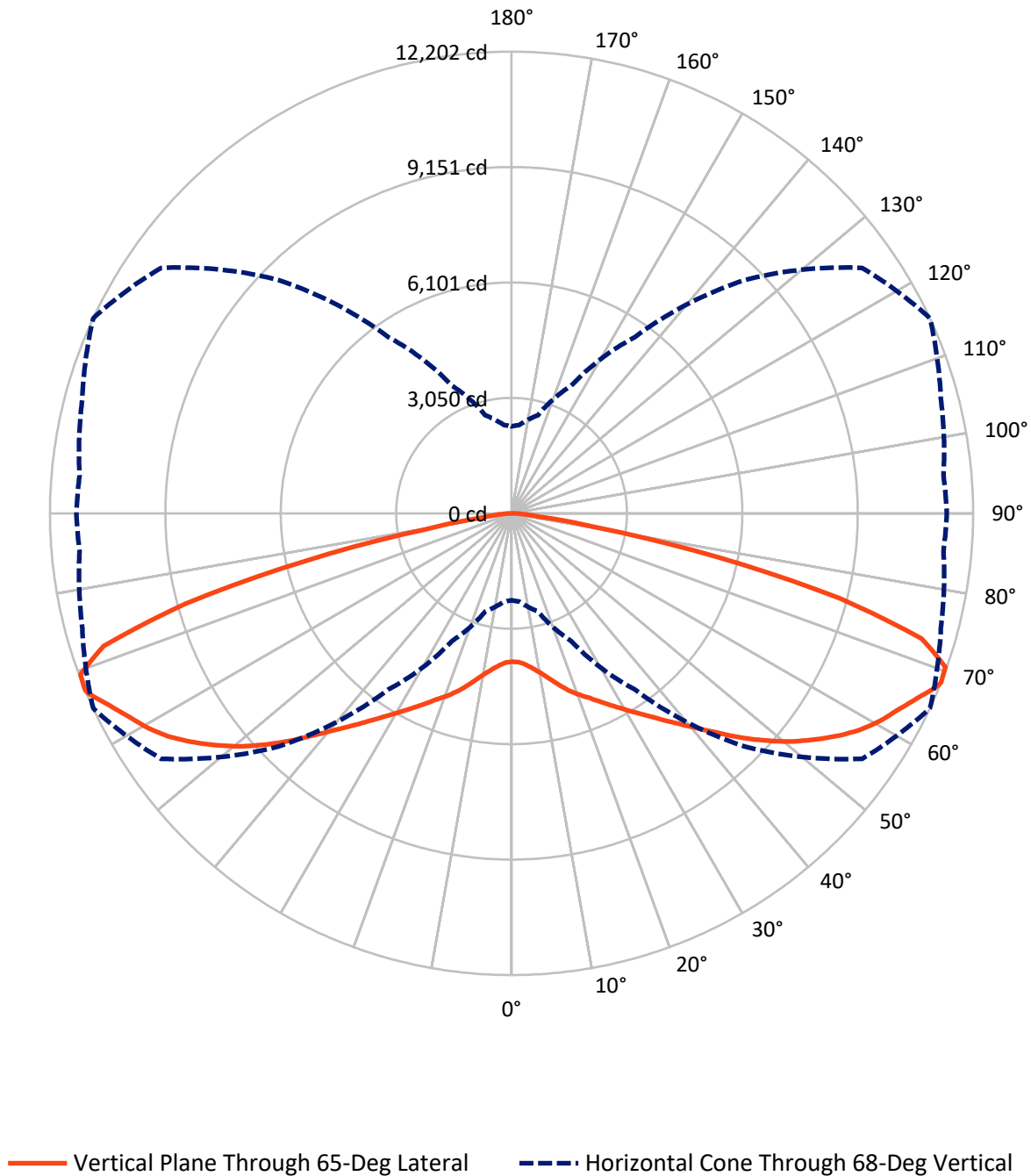
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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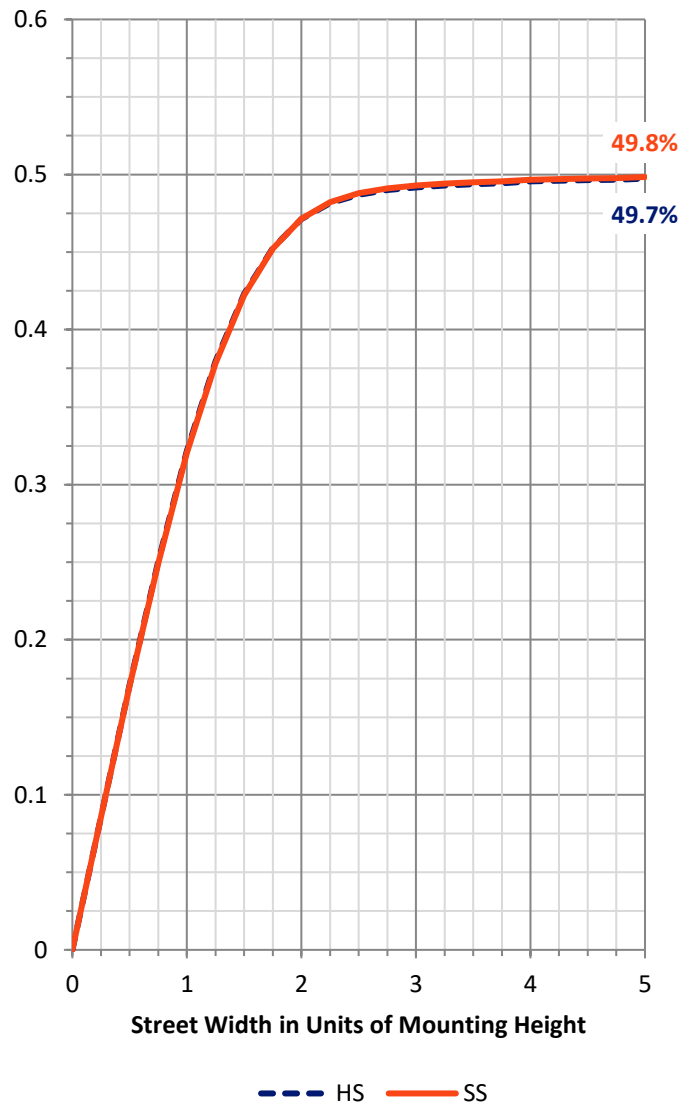
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18847.5	0.0	18847.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18847.5	0.0	18847.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37695.0	0.0	37695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.7	1.0
10°-20°	1284.9	3.4
20°-30°	2505.2	6.6
30°-40°	4208.6	11.2
40°-50°	6631.3	17.6
50°-60°	8868.2	23.5
60°-70°	8621.0	22.9
70°-80°	4712.7	12.5
80°-90°	479.3	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°	37695.0	100.0
0°-180°	37695.0	100.0

Coefficient of Utilization



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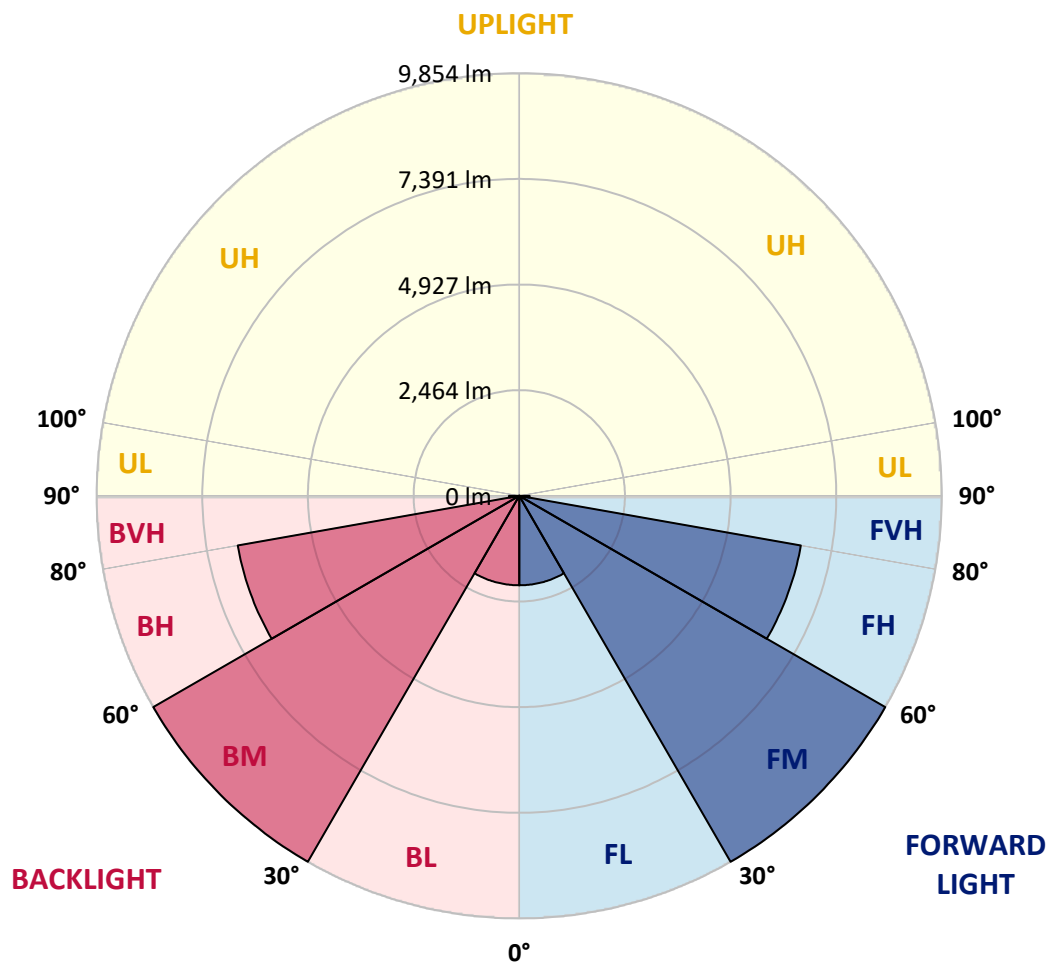
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2086.9	5.5			
FM	(30°-60°)	9854.1	26.1			
FH	(60°-80°)	6666.9	17.7			G3/7500
FVH	(80°-90°)	239.6	0.6			G3/500
BL	(0°-30°)	2086.9	5.5	B3/2500		
BM	(30°-60°)	9854.1	26.1	B5		
BH	(60°-80°)	6666.9	17.7	B5		G5
BVH	(80°-90°)	239.6	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°	3919.4	3919.4	3919.4	3919.4	3919.4	3919.4	3919.4	3919.4	3919.4	3919.4	3919.4
2.5°	3891.6	3892.9	3899.2	3906.8	3913.1	3929.5	3933.3	3939.6	3942.1	3948.5	3948.5
5°	3857.5	3860.0	3875.2	3895.4	3918.1	3958.6	3987.6	4020.5	4036.9	4054.6	4053.4
7.5°	3853.7	3860.0	3881.5	3914.3	3952.3	4019.2	4079.9	4145.6	4189.9	4230.3	4227.8
10°	3892.9	3903.0	3933.3	3982.6	4039.5	4122.9	4212.6	4301.1	4378.2	4440.1	4442.7
12.5°	3952.3	3964.9	4012.9	4087.5	4173.4	4280.9	4387.0	4486.9	4593.1	4685.3	4692.9
15°	4030.6	4047.0	4119.1	4230.3	4361.8	4489.4	4603.2	4705.5	4828.1	4955.8	4968.4
17.5°	4146.9	4169.6	4264.4	4414.8	4588.0	4728.3	4847.1	4924.2	5026.6	5158.0	5182.0
20°	4323.8	4352.9	4473.0	4652.5	4863.5	5010.1	5101.2	5117.6	5168.1	5285.7	5313.5
22.5°	4553.9	4579.2	4713.1	4926.7	5163.1	5322.3	5370.4	5304.6	5299.6	5394.4	5420.9
25°	4810.5	4833.2	4988.7	5228.8	5482.9	5658.5	5657.3	5529.6	5441.1	5514.5	5542.3
27.5°	5098.6	5134.0	5283.2	5535.9	5807.7	5980.8	5970.7	5773.6	5605.5	5624.4	5648.4
30°	5429.8	5468.9	5614.3	5870.9	6142.6	6312.0	6299.3	6039.0	5786.2	5735.6	5753.3
32.5°	5840.5	5887.3	6025.1	6277.9	6518.0	6670.9	6634.3	6327.1	6003.6	5893.6	5910.1
35°	6334.7	6362.5	6507.9	6756.9	6951.5	7056.4	6979.3	6660.8	6279.1	6146.4	6146.4
37.5°	6835.2	6856.7	7019.8	7261.2	7449.5	7505.1	7354.7	7026.1	6639.3	6451.0	6454.8
40°	7315.5	7373.7	7556.9	7804.7	7990.5	8005.6	7805.9	7443.2	7040.0	6845.4	6868.1
42.5°	7817.3	7874.2	8092.8	8373.4	8537.7	8563.0	8329.2	7910.8	7492.5	7334.5	7359.8
45°	8264.7	8310.2	8563.0	8889.1	9093.9	9159.6	8882.8	8446.7	7981.6	7827.4	7833.7
47.5°	8576.9	8636.3	8914.4	9298.6	9596.9	9698.0	9426.3	8968.7	8463.2	8276.1	8292.5
50°	8860.0	8891.6	9173.5	9593.1	9972.3	10180.8	9948.3	9484.4	8949.8	8751.3	8769.0
52.5°	9018.0	9058.5	9331.5	9768.8	10217.5	10553.7	10412.1	9948.3	9419.9	9226.6	9248.0
55°	8908.1	8938.4	9265.7	9808.0	10369.1	10783.7	10805.2	10402.0	9881.3	9711.9	9772.6
57.5°	8407.5	8445.5	8844.9	9555.2	10388.1	10939.2	11100.9	10822.9	10312.3	10174.5	10209.9
60°	7625.2	7649.2	8075.1	8873.9	10019.0	11003.6	11289.3	11166.7	10734.4	10596.6	10644.7
62.5°	6231.1	6266.5	6775.8	7846.4	9239.2	10812.8	11471.3	11451.0	11127.5	11001.1	11044.1
65°	4259.4	4321.3	4885.0	6238.7	8037.2	10228.8	11636.8	11782.2	11475.1	11315.8	11372.7
67.5°	2572.1	2617.6	3025.8	4119.1	6150.2	9050.9	11466.2	12158.8	11720.3	11463.7	11510.5
68°	2299.1	2340.8	2682.0	3717.2	5688.9	8718.5	11310.8	12201.8	11746.8	11461.2	11502.9
70°	1389.0	1416.8	1645.6	2297.8	3793.0	6916.1	10250.3	12166.4	11916.2	11496.5	11520.6
72.5°	905.0	913.8	951.7	1179.2	1937.6	3867.6	7693.4	11337.3	12170.2	11702.6	11698.8
75°	752.0	747.0	750.8	777.3	955.5	1696.2	4495.7	8956.1	11601.5	11377.7	11298.1
77.5°	635.7	632.0	630.7	632.0	639.5	819.0	1951.5	5578.9	8877.7	10064.5	10135.3
80°	514.4	509.4	525.8	518.2	495.5	509.4	817.8	2320.5	4184.8	4502.1	4218.9
82.5°	374.1	355.2	425.9	405.7	386.8	359.0	451.2	749.5	998.5	685.0	481.6
85°	288.2	267.9	323.6	310.9	265.4	183.3	267.9	366.5	404.5	231.3	182.0
87.5°	117.5	123.9	233.8	184.5	155.5	88.5	110.0	146.6	197.2	98.6	75.8
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)