

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: McGRAW-EDISON

Report Number: P455469

Luminaire Tested: **GALN-SA6C-830-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34574 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 321
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

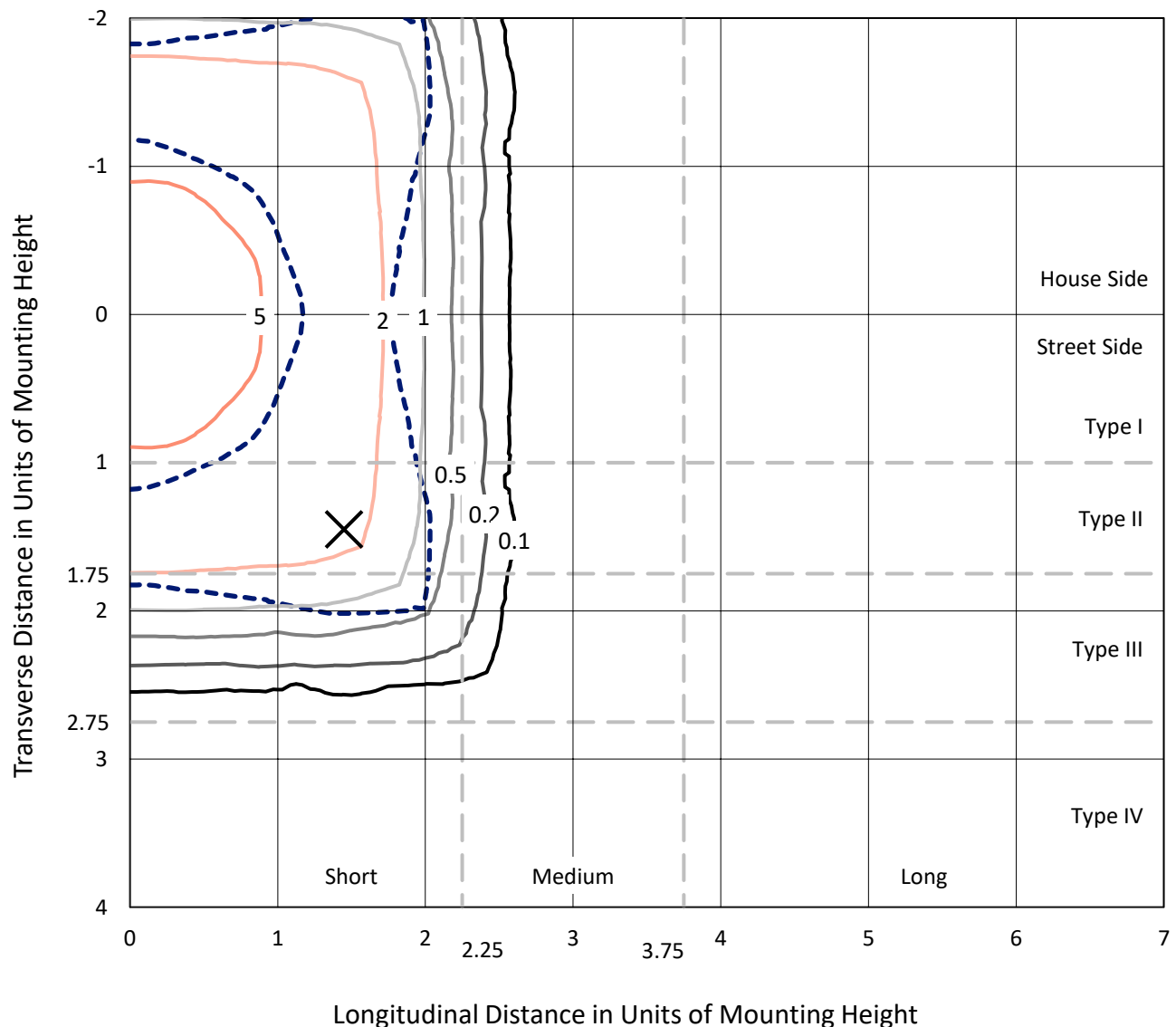


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

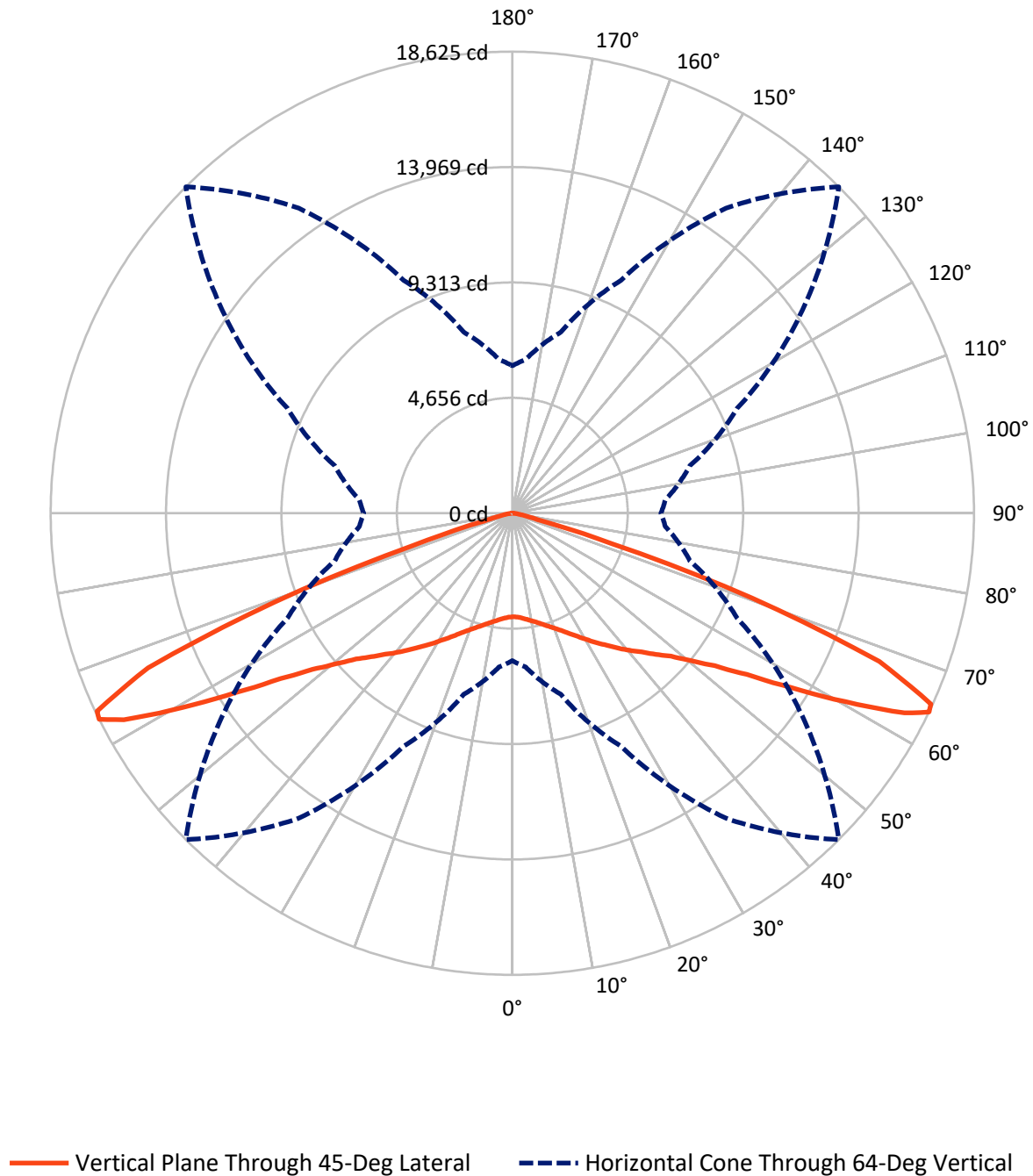


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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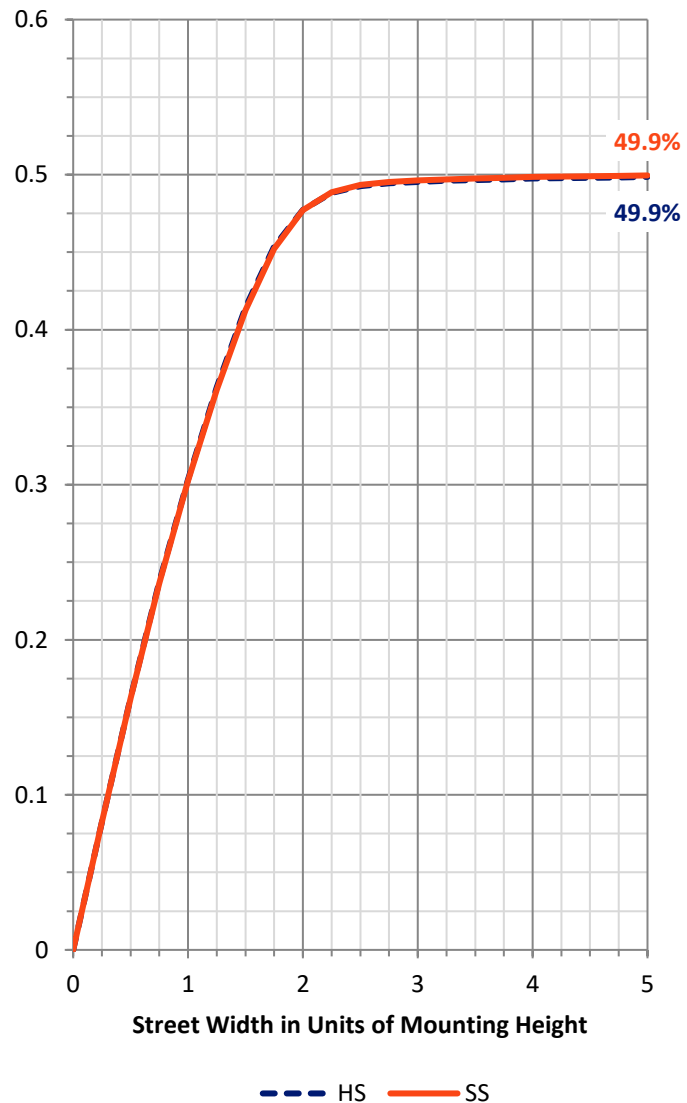
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17287.0	0.0	17287.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17287.0	0.0	17287.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34574.0	0.0	34574.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.5	1.2
10°-20°	1324.3	3.8
20°-30°	2502.5	7.2
30°-40°	4144.4	12.0
40°-50°	6470.1	18.7
50°-60°	10002.6	28.9
60°-70°	8625.1	24.9
70°-80°	977.4	2.8
80°-90°	117.1	0.3
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°	34574.0	100.0
0°-180°	34574.0	100.0

Coefficient of Utilization



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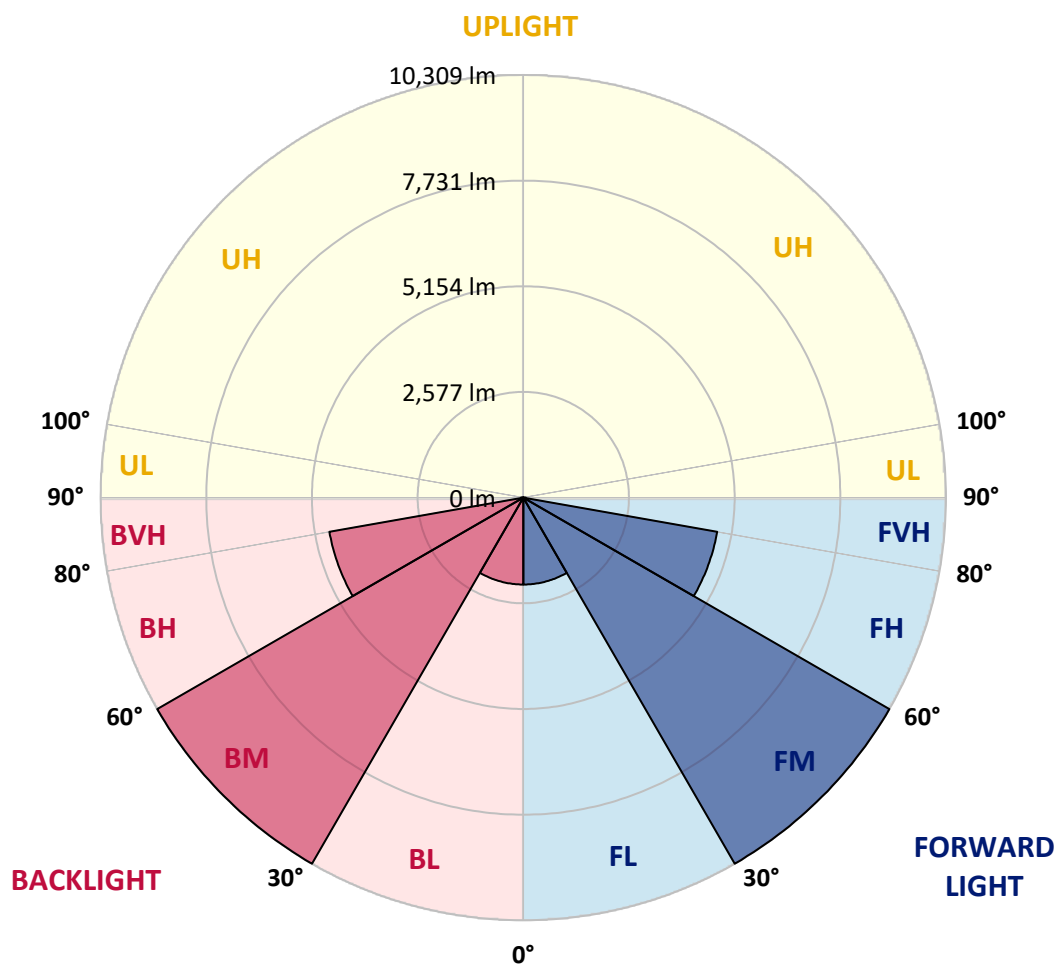
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2118.6	6.1			
FM	(30°-60°)	10308.5	29.8			
FH	(60°-80°)	4801.3	13.9			G2/5000
FVH	(80°-90°)	58.5	0.2			G1/100
BL	(0°-30°)	2118.6	6.1	B3/2500		
BM	(30°-60°)	10308.5	29.8	B5		
BH	(60°-80°)	4801.3	13.9	B4/5000		G2/5000
BVH	(80°-90°)	58.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4178.8	4178.8	4178.8	4178.8	4178.8	4178.8	4178.8	4178.8	4178.8	4178.8	4178.8
2.5°	4195.3	4204.5	4197.2	4195.3	4193.5	4193.5	4193.5	4195.3	4202.7	4208.1	4204.5
5°	4248.4	4255.8	4252.1	4250.3	4248.4	4250.3	4246.6	4244.8	4250.3	4250.3	4248.4
7.5°	4314.4	4323.5	4319.9	4323.5	4325.3	4327.2	4318.0	4310.7	4308.9	4314.4	4310.7
10°	4404.1	4411.4	4413.2	4415.1	4418.7	4416.9	4405.9	4393.1	4391.3	4389.4	4387.6
12.5°	4504.8	4510.3	4512.1	4519.5	4525.0	4526.8	4514.0	4503.0	4484.7	4488.3	4481.0
15°	4618.3	4629.3	4627.5	4638.5	4653.1	4656.8	4644.0	4625.7	4609.2	4600.0	4594.5
17.5°	4757.5	4764.8	4761.2	4772.2	4790.5	4799.6	4788.6	4764.8	4748.4	4728.2	4717.2
20°	4922.3	4935.1	4938.8	4938.8	4955.3	4964.4	4948.0	4940.6	4915.0	4900.4	4891.2
22.5°	5109.1	5114.6	5125.6	5136.6	5153.1	5149.4	5143.9	5132.9	5109.1	5096.3	5081.6
25°	5319.7	5325.2	5352.7	5376.5	5382.0	5378.3	5371.0	5365.5	5343.5	5314.2	5303.2
27.5°	5565.1	5576.1	5612.7	5634.7	5634.7	5636.5	5621.9	5640.2	5592.6	5557.8	5554.1
30°	5872.7	5880.1	5911.2	5933.2	5922.2	5913.0	5909.4	5927.7	5876.4	5814.1	5799.5
32.5°	6176.7	6202.3	6229.8	6277.4	6239.0	6222.5	6218.8	6231.6	6173.1	6103.5	6083.3
35°	6502.7	6521.0	6572.3	6612.5	6577.8	6539.3	6555.8	6596.1	6526.5	6433.1	6429.4
37.5°	6863.4	6879.9	6945.8	6987.9	6962.3	6896.4	6923.9	6971.5	6901.9	6786.5	6762.7
40°	7238.8	7273.6	7356.0	7400.0	7357.9	7270.0	7321.2	7372.5	7310.2	7176.6	7123.5
42.5°	7660.0	7714.9	7834.0	7855.9	7775.4	7656.3	7746.1	7828.5	7784.5	7630.7	7610.6
45°	8152.6	8185.6	8332.1	8379.7	8268.0	8119.6	8231.3	8381.5	8348.5	8170.9	8132.5
47.5°	8703.8	8734.9	8886.9	8958.3	8817.3	8617.7	8819.2	9015.1	8995.0	8804.5	8786.2
50°	9355.7	9363.0	9573.6	9654.2	9513.2	9341.1	9520.5	9764.1	9683.5	9440.0	9436.3
52.5°	10069.9	10079.0	10344.6	10500.2	10421.5	10227.4	10439.8	10588.1	10383.0	10064.4	10040.6
55°	10688.8	10734.6	11097.2	11511.1	11619.1	11478.1	11542.2	11472.6	10967.2	10520.4	10450.8
57.5°	10941.6	11031.3	11582.5	12355.3	13058.4	13267.2	12772.8	12109.9	11199.8	10568.0	10500.2
60°	10324.4	10421.5	11276.7	12743.5	14538.1	15444.5	14054.6	12217.9	10670.5	9782.4	9676.2
62.5°	8268.0	8295.4	9553.5	11829.7	15400.6	17748.2	14594.8	11296.8	9130.5	7923.7	7881.6
64°	5949.6	6231.6	7564.8	10372.0	15023.3	18625.4	14283.5	10005.8	7416.5	6195.0	5997.3
65°	4449.9	4526.8	6098.0	8857.6	14358.6	18559.4	13679.2	8771.6	6141.9	4741.0	4521.3
67.5°	1681.1	1690.2	2250.6	4415.1	10221.9	15968.3	10439.8	4772.2	2587.5	1871.5	1803.8
70°	697.7	710.5	825.9	1485.1	4393.1	10253.0	5034.0	1721.3	946.7	767.3	756.3
72.5°	510.9	518.2	553.0	659.2	1351.4	4210.0	1655.4	730.7	554.9	496.3	490.8
75°	401.0	404.7	430.3	485.3	629.9	1166.5	688.5	501.8	423.0	380.9	377.2
77.5°	305.8	315.0	333.3	369.9	423.0	553.0	456.0	375.4	326.0	291.2	285.7
80°	210.6	221.6	256.4	271.0	283.8	358.9	311.3	283.8	254.5	212.4	199.6
82.5°	130.0	137.3	172.1	185.0	179.5	201.4	199.6	203.3	181.3	131.8	122.7
85°	67.8	71.4	93.4	97.1	89.7	82.4	102.5	119.0	111.7	75.1	73.2
87.5°	14.6	16.5	20.1	18.3	20.1	20.1	25.6	38.5	40.3	25.6	23.8
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)