

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: LUMARK

Report Number: P622763

Luminaire Tested: **PRV-M-PA6C-8540-U-5WQ**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/29/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-M-PA6C-8540-U-5WQ
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 85 CRI, 4000K LIGHT ENGINES AND TYPE V WIDE OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50040.7 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 457.2
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: 28.75 FT

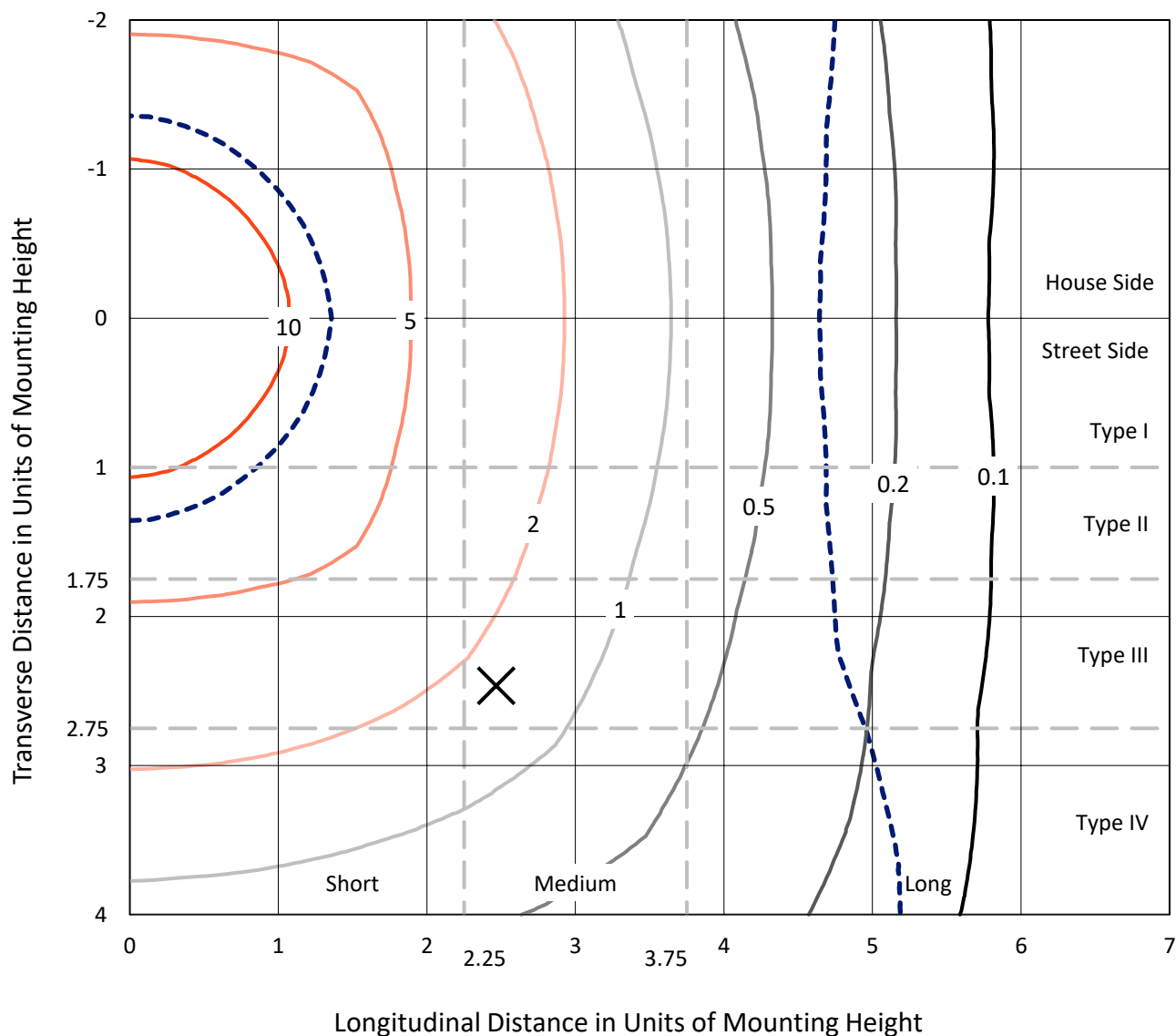


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

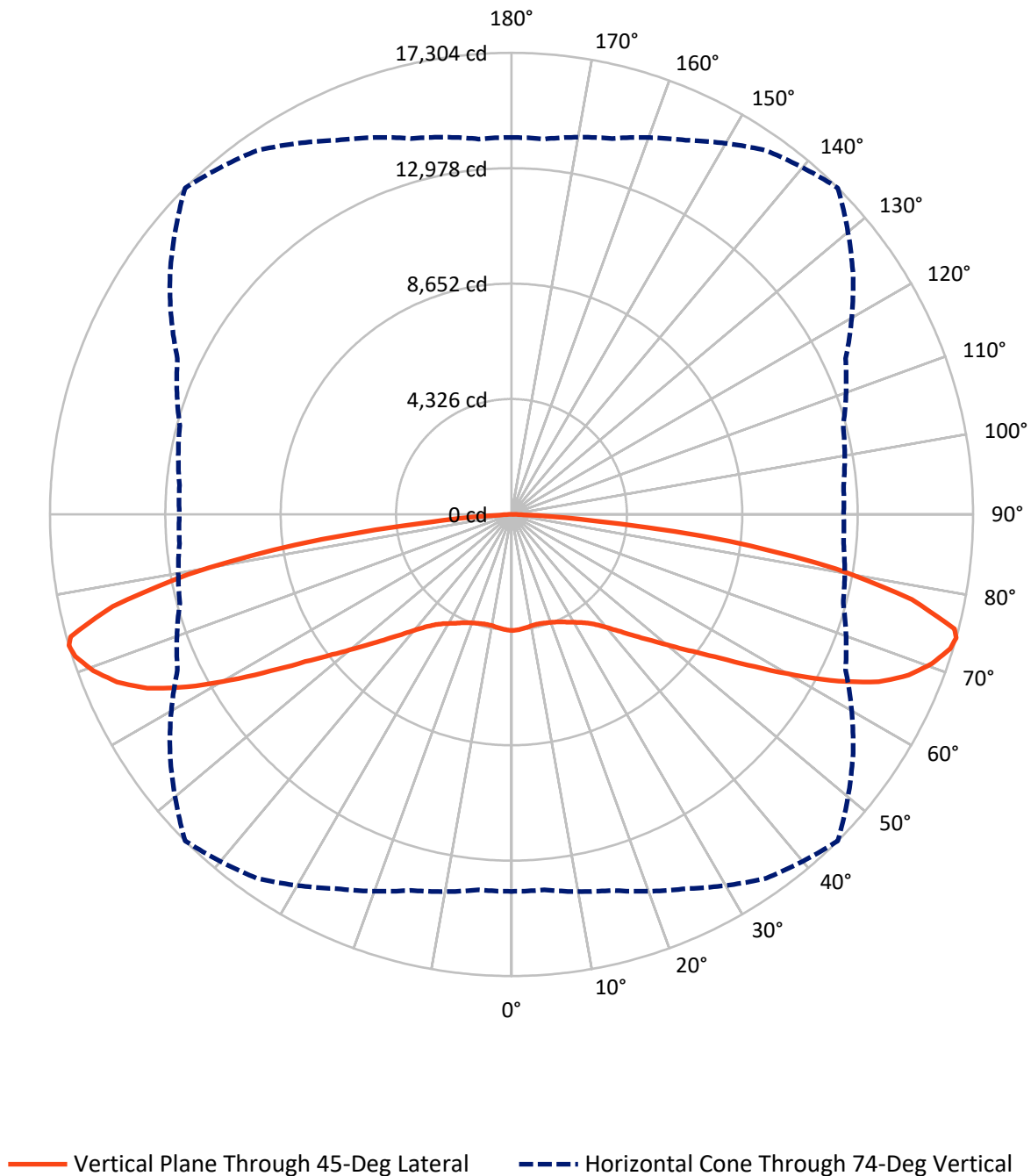


Based on 15 foot mounting height. Maximum calculated value = 19.4 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



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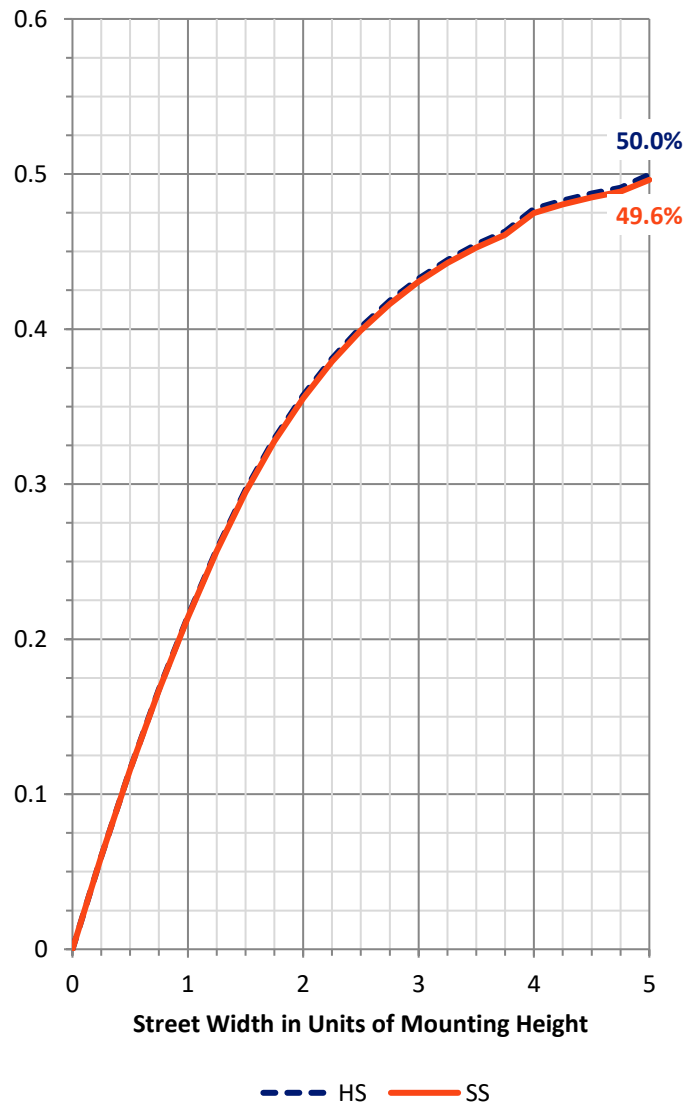
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25020.4	0.0	25020.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25020.4	0.0	25020.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	50040.7	0.0	50040.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.6	0.8
10°-20°	1214.7	2.4
20°-30°	2086.5	4.2
30°-40°	3210.4	6.4
40°-50°	5146.0	10.3
50°-60°	8402.4	16.8
60°-70°	13101.9	26.2
70°-80°	13975.2	27.9
80°-90°	2493.9	5.0
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°	50040.7	100.0
0°-180°	50040.7	100.0



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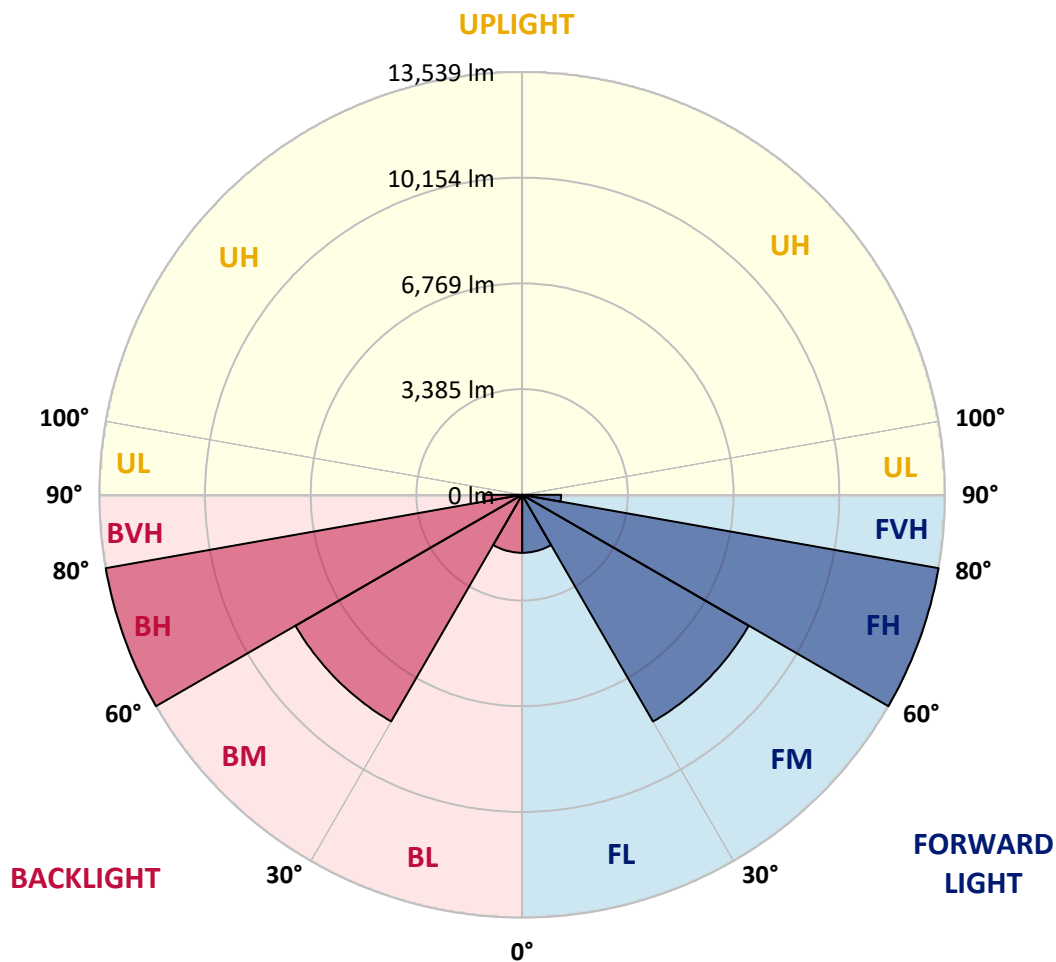
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1855.4	3.7			
FM	(30°-60°)	8379.5	16.7			
FH	(60°-80°)	13538.6	27.1			G5
FVH	(80°-90°)	1247.0	2.5			G5
BL	(0°-30°)	1855.4	3.7	B3/2500		
BM	(30°-60°)	8379.5	16.7	B4/8500		
BH	(60°-80°)	13538.6	27.1	B5		G5
BVH	(80°-90°)	1247.0	2.5			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4354.3	4354.3	4354.3	4354.3	4354.3	4354.3	4354.3	4354.3	4354.3	4354.3	4354.3
2.5°	4349.6	4356.6	4350.7	4340.2	4335.6	4332.1	4334.5	4341.4	4349.6	4353.1	4349.6
5°	4305.3	4311.1	4308.8	4303.0	4305.3	4306.5	4311.1	4320.4	4327.5	4329.8	4329.8
7.5°	4254.0	4259.9	4261.0	4258.7	4268.1	4271.5	4278.5	4287.9	4296.0	4301.8	4303.0
10°	4242.4	4242.4	4238.9	4231.9	4234.2	4236.6	4245.9	4262.2	4278.5	4286.7	4291.3
12.5°	4262.2	4262.2	4250.5	4233.1	4223.7	4222.6	4231.9	4255.2	4283.2	4300.6	4300.6
15°	4297.2	4293.7	4277.4	4255.2	4242.4	4236.6	4243.5	4266.9	4301.8	4325.1	4327.5
17.5°	4327.5	4327.5	4311.1	4287.9	4273.8	4271.5	4272.7	4291.3	4327.5	4355.4	4361.2
20°	4361.2	4362.4	4347.3	4326.3	4317.0	4315.8	4319.3	4329.8	4362.4	4392.7	4398.5
22.5°	4419.5	4418.3	4400.9	4378.7	4375.2	4377.5	4379.9	4388.0	4420.7	4453.3	4451.0
25°	4499.9	4504.5	4482.4	4461.5	4460.3	4462.6	4465.0	4475.4	4508.0	4540.7	4538.3
27.5°	4597.8	4603.6	4579.1	4562.9	4567.5	4575.6	4572.2	4576.8	4600.1	4633.9	4626.9
30°	4711.9	4705.0	4691.0	4686.3	4694.5	4694.5	4689.9	4688.7	4703.8	4735.3	4727.1
32.5°	4855.3	4851.8	4834.3	4830.8	4836.7	4830.8	4828.4	4834.3	4853.0	4884.4	4879.7
35°	5069.7	5061.5	5039.4	5023.0	5021.9	5007.9	5013.7	5035.9	5070.9	5097.6	5097.6
37.5°	5322.5	5337.6	5314.4	5284.1	5264.3	5256.1	5265.4	5302.7	5358.6	5385.4	5385.4
40°	5691.9	5696.6	5663.9	5627.8	5605.7	5591.6	5602.1	5645.3	5718.6	5753.6	5737.3
42.5°	6118.4	6118.4	6088.1	6041.4	6006.5	6002.9	6012.3	6062.4	6141.6	6177.7	6155.6
45°	6645.0	6608.8	6580.9	6528.5	6492.3	6493.5	6504.0	6552.9	6622.8	6674.1	6649.6
47.5°	7190.3	7162.3	7137.8	7079.6	7058.6	7060.9	7069.1	7120.4	7177.4	7241.6	7219.4
50°	7761.3	7751.9	7754.2	7714.6	7728.6	7737.9	7734.4	7764.7	7810.2	7841.6	7800.9
52.5°	8357.8	8350.8	8420.7	8434.7	8508.1	8536.0	8502.3	8477.8	8469.6	8418.3	8360.1
55°	8990.5	8988.1	9134.9	9245.7	9437.9	9503.1	9419.3	9274.8	9160.6	9034.7	8976.5
57.5°	9711.7	9725.7	9912.2	10165.0	10564.6	10760.4	10525.0	10174.3	9929.6	9730.3	9669.7
60°	10488.9	10487.7	10767.3	11175.2	11856.8	12237.8	11767.1	11140.2	10747.5	10467.9	10385.2
62.5°	11227.6	11231.1	11570.2	12173.7	13192.1	13771.2	12975.4	12029.2	11515.4	11170.5	11099.4
65°	12179.6	12176.0	12479.0	13131.5	14388.7	15130.9	14100.9	12960.2	12339.2	11964.0	11870.7
67.5°	13450.8	13413.5	13694.3	14283.9	15379.1	16068.9	15084.3	13894.7	13223.5	12870.5	12800.6
70°	14451.7	14468.0	14840.8	15435.0	16226.2	16731.8	15760.1	14654.4	13953.0	13541.7	13465.9
72.5°	14575.2	14569.4	15013.2	15813.7	16727.2	17199.1	15974.5	14509.9	13569.6	13114.0	13058.1
74°	14131.2	14125.4	14589.2	15475.8	16649.2	17304.0	15632.0	13820.1	12875.2	12496.4	12453.4
75°	13612.7	13497.4	14052.0	15015.6	16356.7	17158.3	15119.3	13237.6	12389.3	12014.1	11965.2
77.5°	10092.7	9897.0	10906.0	12715.5	14600.8	15340.7	13327.3	11226.4	10076.4	9352.9	9249.1
80°	5003.3	4851.8	5898.1	8216.8	10779.0	12339.2	10353.8	7457.1	5870.2	4901.9	4778.4
82.5°	1209.4	1228.1	1850.3	3374.3	5867.8	8201.7	6076.4	3232.2	2139.2	1532.2	1387.7
85°	293.6	297.1	539.5	830.8	1934.2	3085.4	1985.5	947.3	753.9	567.4	553.4
87.5°	83.9	89.7	180.6	217.9	336.8	455.5	442.8	429.9	439.3	315.8	264.5
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)