

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: P622682

Luminaire Tested: **PRV-M-PA6B-8540-U-5WQ**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622682
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-PA6B-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: 42505.1 lumens
Efficiency: N/A
Efficacy: 116.2 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): 365.8
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

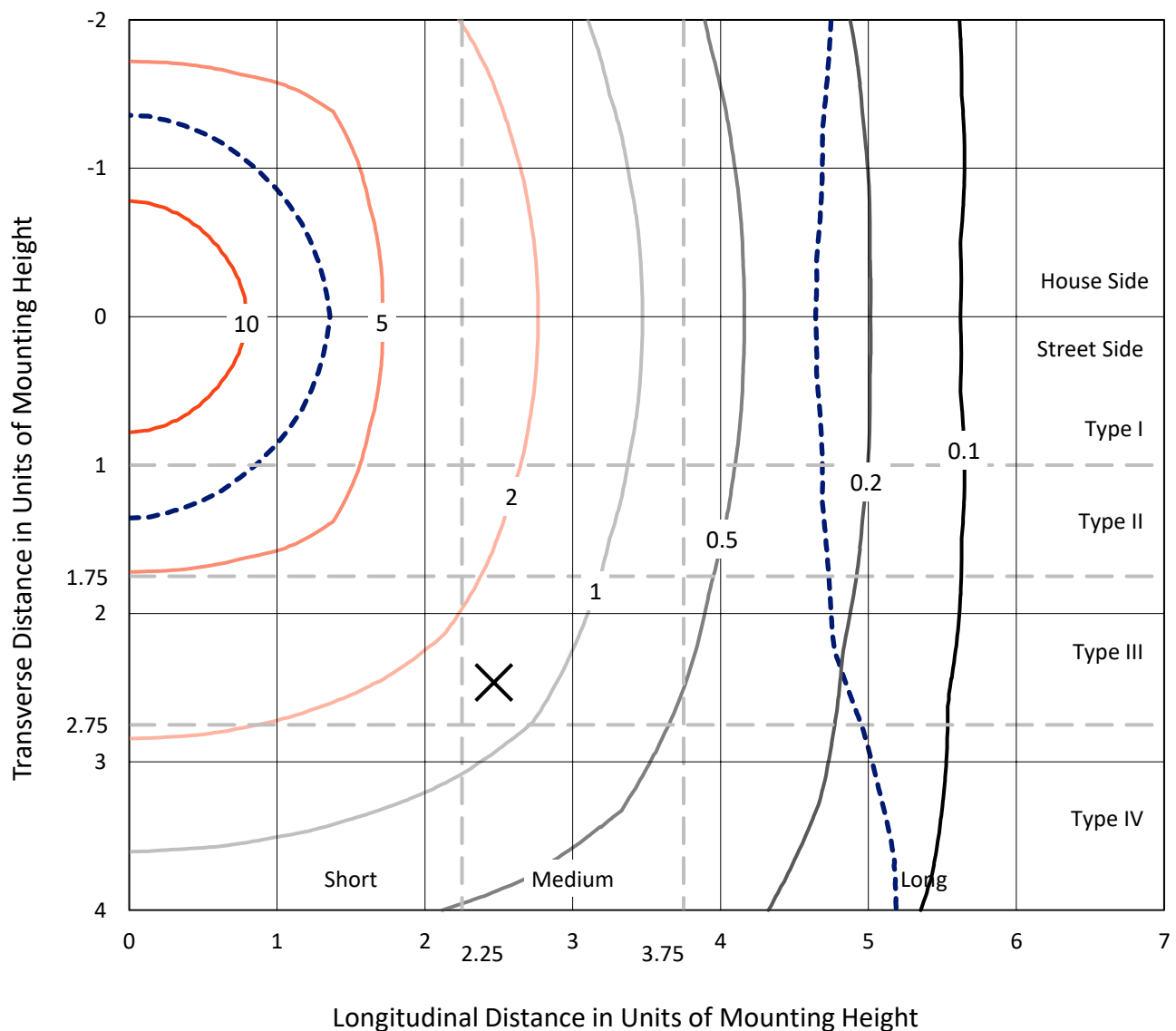


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

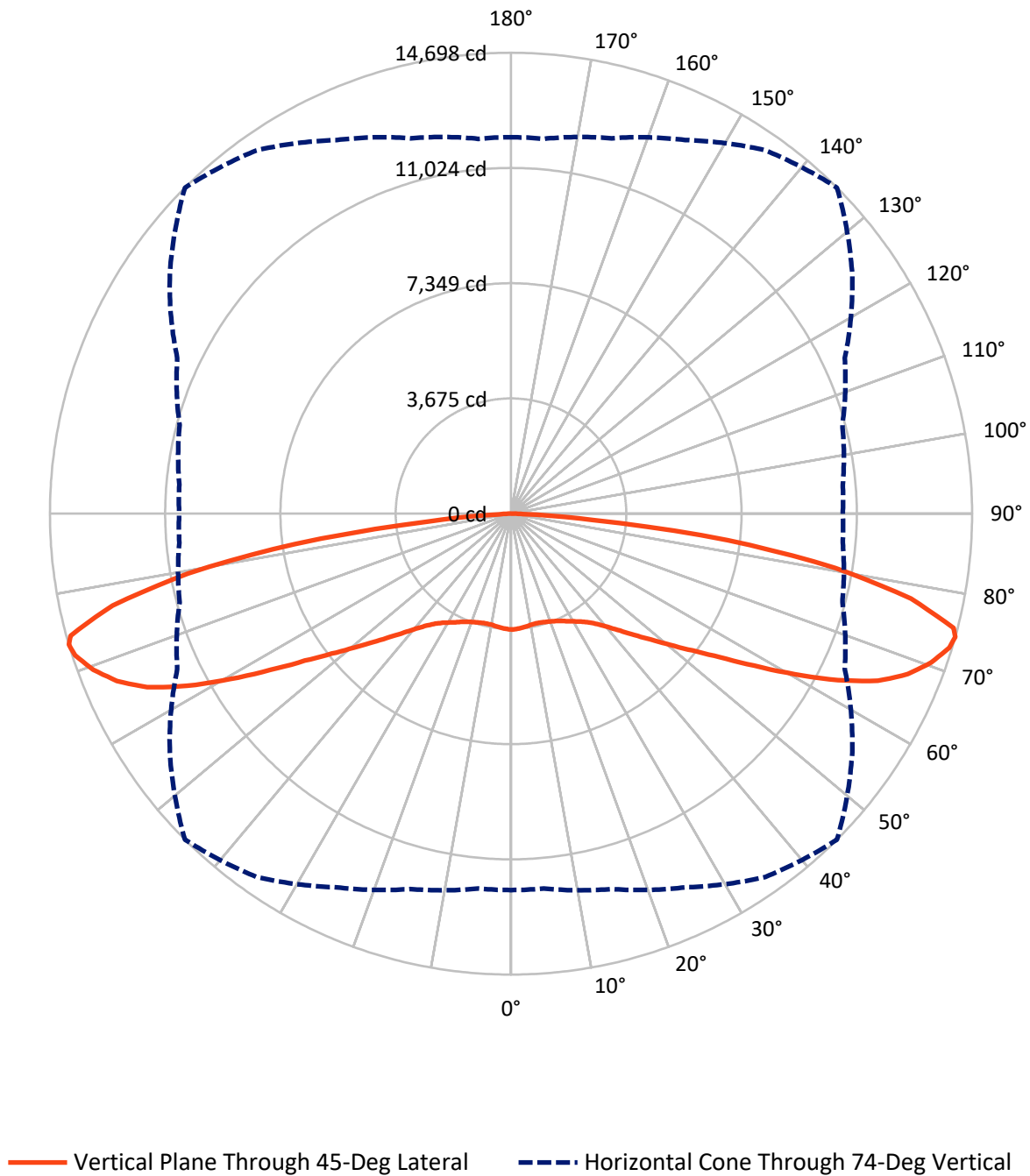


Based on 15 foot mounting height. Maximum calculated value = 16.4 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



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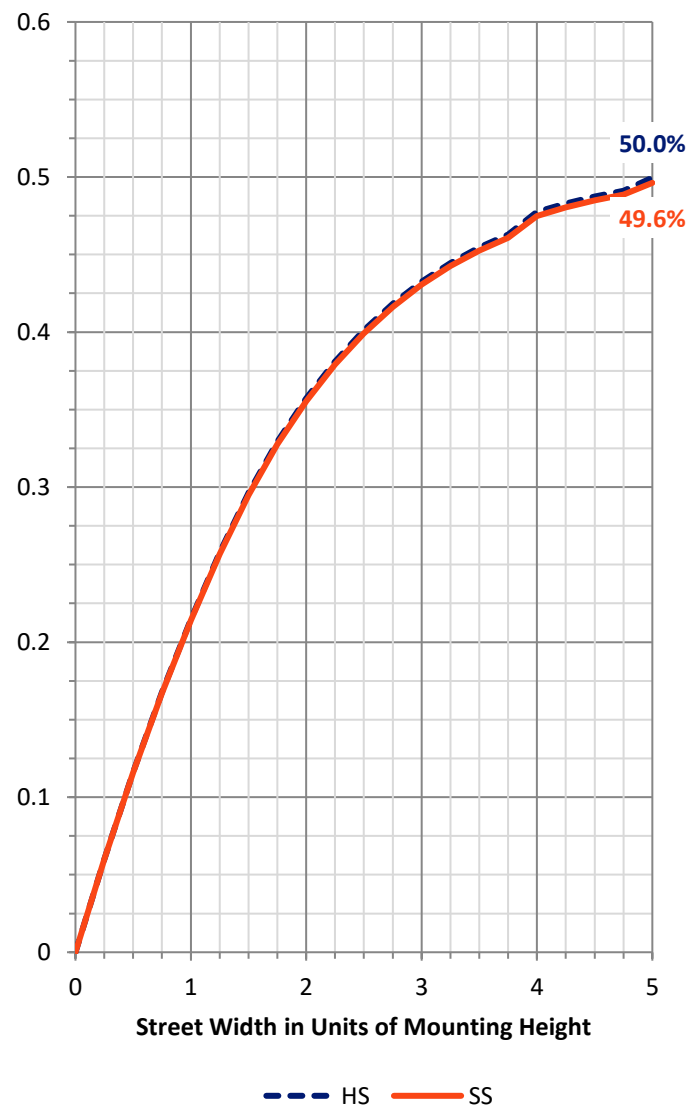
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21252.6	0.0	21252.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21252.6	0.0	21252.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	42505.1	0.0	42505.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.9	0.8
10°-20°	1031.8	2.4
20°-30°	1772.3	4.2
30°-40°	2727.0	6.4
40°-50°	4371.1	10.3
50°-60°	7137.1	16.8
60°-70°	11128.9	26.2
70°-80°	11870.7	27.9
80°-90°	2118.3	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°	42505.1	100.0
0°-180°	42505.1	100.0

Coefficient of Utilization



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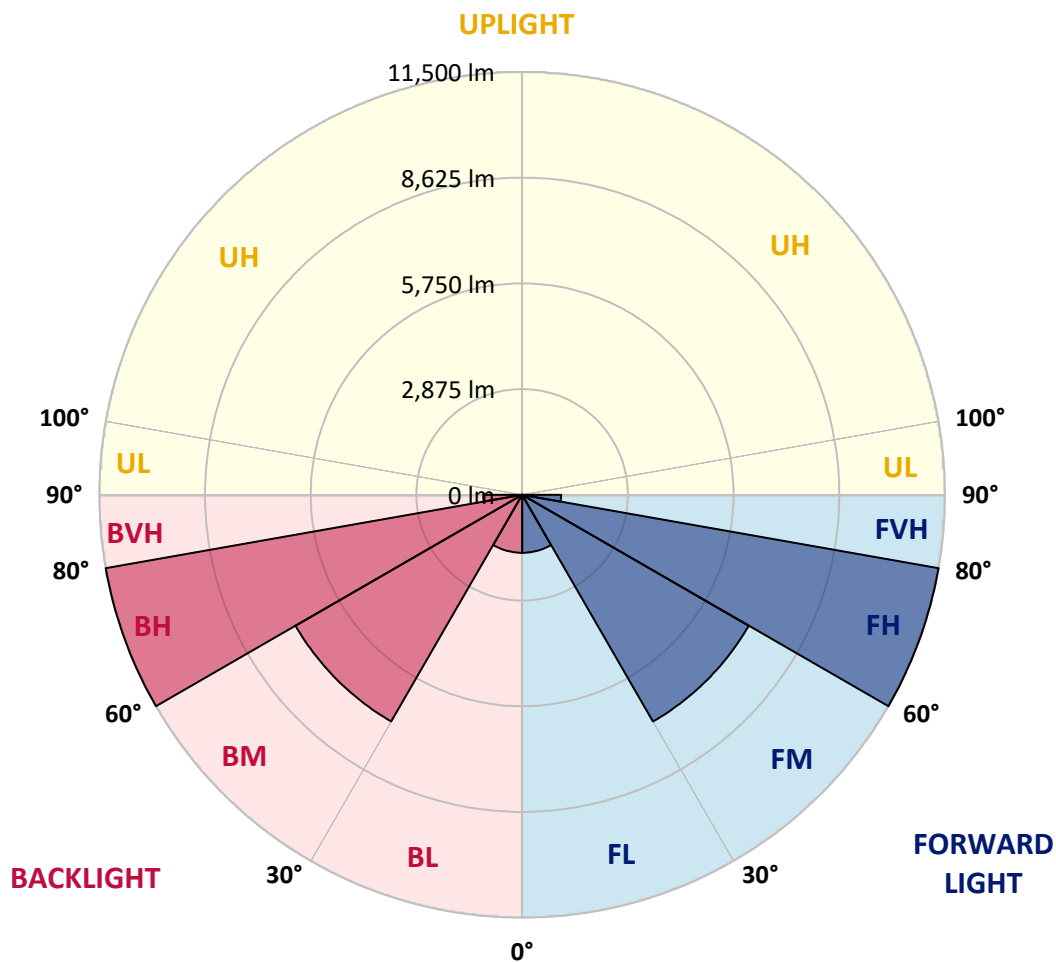
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1576.0	3.7			
FM	(30°-60°)	7117.6	16.7			
FH	(60°-80°)	11499.8	27.1			G4/12000
FVH	(80°-90°)	1059.2	2.5			G5
BL	(0°-30°)	1576.0	3.7	B3/2500		
BM	(30°-60°)	7117.6	16.7	B4/8500		
BH	(60°-80°)	11499.8	27.1	B5		G4/12000
BVH	(80°-90°)	1059.2	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°	3698.6	3698.6	3698.6	3698.6	3698.6	3698.6	3698.6	3698.6	3698.6	3698.6	3698.6
2.5°	3694.6	3700.5	3695.6	3686.7	3682.7	3679.7	3681.7	3687.7	3694.6	3697.6	3694.6
5°	3657.0	3661.9	3660.0	3655.0	3657.0	3657.9	3661.9	3669.8	3675.8	3677.8	3677.8
7.5°	3613.5	3618.4	3619.3	3617.4	3625.3	3628.3	3634.2	3642.1	3649.1	3654.0	3655.0
10°	3603.5	3603.5	3600.5	3594.6	3596.6	3598.6	3606.5	3620.4	3634.2	3641.2	3645.1
12.5°	3620.4	3620.4	3610.5	3595.6	3587.7	3586.7	3594.6	3614.4	3638.2	3653.0	3653.0
15°	3650.0	3647.1	3633.2	3614.4	3603.5	3598.6	3604.5	3624.4	3654.0	3673.8	3675.8
17.5°	3675.8	3675.8	3661.9	3642.1	3630.2	3628.3	3629.3	3645.1	3675.8	3699.5	3704.5
20°	3704.5	3705.5	3692.6	3674.8	3666.9	3665.8	3668.8	3677.8	3705.5	3731.2	3736.2
22.5°	3753.9	3753.0	3738.1	3719.3	3716.4	3718.3	3720.3	3727.2	3755.0	3782.7	3780.7
25°	3822.3	3826.2	3807.4	3789.6	3788.6	3790.6	3792.5	3801.5	3829.2	3856.9	3854.9
27.5°	3905.4	3910.4	3889.6	3875.7	3879.7	3886.6	3883.6	3887.6	3907.4	3936.1	3930.1
30°	4002.4	3996.4	3984.6	3980.6	3987.5	3987.5	3983.6	3982.6	3995.5	4022.2	4015.2
32.5°	4124.1	4121.2	4106.3	4103.3	4108.3	4103.3	4101.4	4106.3	4122.2	4148.9	4144.9
35°	4306.3	4299.3	4280.5	4266.6	4265.6	4253.8	4258.7	4277.5	4307.2	4330.0	4330.0
37.5°	4521.0	4533.9	4514.1	4488.3	4471.5	4464.6	4472.5	4504.2	4551.7	4574.4	4574.4
40°	4834.7	4838.7	4811.0	4780.3	4761.5	4749.6	4758.5	4795.2	4857.5	4887.2	4873.3
42.5°	5197.0	5197.0	5171.2	5131.6	5101.9	5099.0	5106.9	5149.5	5216.7	5247.4	5228.6
45°	5644.3	5613.6	5589.9	5545.4	5514.7	5515.7	5524.5	5566.1	5625.5	5669.1	5648.2
47.5°	6107.5	6083.8	6063.0	6013.5	5995.7	5997.6	6004.6	6048.1	6096.6	6151.0	6132.2
50°	6592.5	6584.6	6586.5	6552.8	6564.8	6572.7	6569.7	6595.4	6634.0	6660.7	6626.1
52.5°	7099.2	7093.3	7152.6	7164.5	7226.9	7250.7	7221.9	7201.2	7194.2	7150.7	7101.2
55°	7636.6	7634.6	7759.3	7853.3	8016.7	8072.1	8000.9	7878.1	7781.1	7674.2	7624.7
57.5°	8249.2	8261.1	8419.4	8634.2	8973.7	9140.0	8940.1	8642.1	8434.3	8265.1	8213.6
60°	8909.4	8908.3	9145.9	9492.3	10071.3	10395.0	9995.1	9462.6	9129.1	8891.6	8821.3
62.5°	9536.9	9539.8	9827.8	10340.5	11205.5	11697.4	11021.4	10217.8	9781.3	9488.4	9427.9
65°	10345.5	10342.5	10599.8	11154.1	12221.9	12852.4	11977.5	11008.6	10481.0	10162.3	10083.2
67.5°	11425.2	11393.5	11632.1	12132.9	13063.2	13649.1	12812.8	11802.3	11232.2	10932.3	10873.0
70°	12275.4	12289.3	12605.9	13110.7	13782.7	14212.2	13386.8	12447.6	11851.8	11502.4	11438.1
72.5°	12380.3	12375.3	12752.4	13432.4	14208.3	14609.1	13568.9	12324.9	11526.2	11139.2	11091.7
74°	12003.2	11998.3	12392.1	13145.3	14142.0	14698.2	13278.0	11739.0	10936.3	10614.7	10578.0
75°	11562.8	11464.8	11935.9	12754.4	13893.6	14574.4	12842.5	11244.1	10523.6	10204.9	10163.3
77.5°	8572.9	8406.6	9263.7	10800.7	12402.1	13030.5	11320.3	9535.8	8559.1	7944.4	7856.3
80°	4249.8	4121.2	5009.9	6979.4	9155.8	10481.0	8794.6	6334.2	4986.1	4163.7	4058.8
82.5°	1027.3	1043.2	1571.6	2866.2	4984.2	6966.6	5161.4	2745.4	1817.1	1301.5	1178.7
85°	249.4	252.4	458.2	705.6	1642.9	2620.8	1686.5	804.6	640.3	482.0	470.1
87.5°	71.3	76.2	153.4	185.1	286.0	387.0	376.1	365.2	373.1	268.2	224.6
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)