

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: P622844

Luminaire Tested: **PRV-M-PA6D-8540-U-5WQ**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622844
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-PA6D-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: 54871.8 lumens
Efficiency: N/A
Efficacy: 100.9 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): 544
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

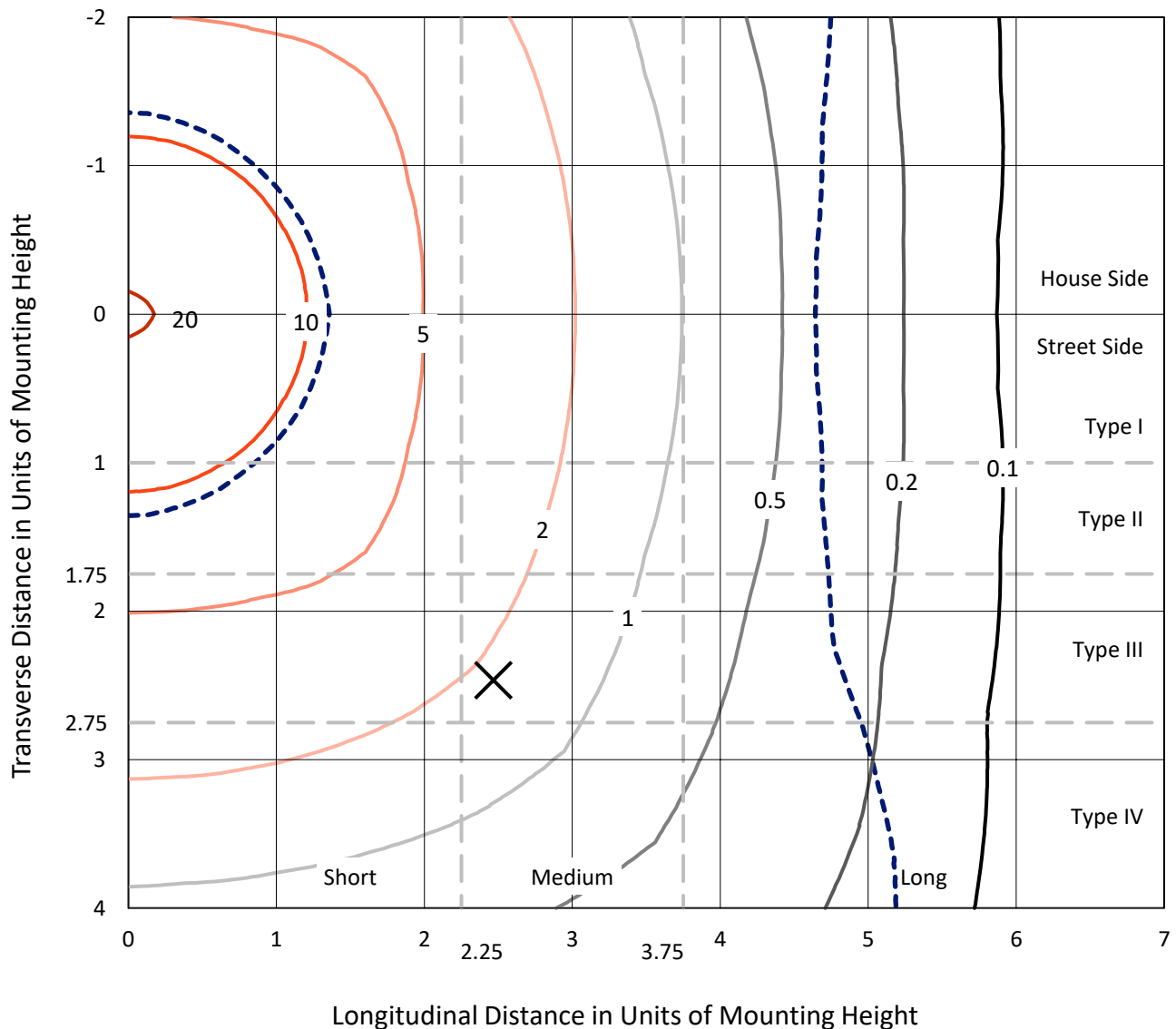


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

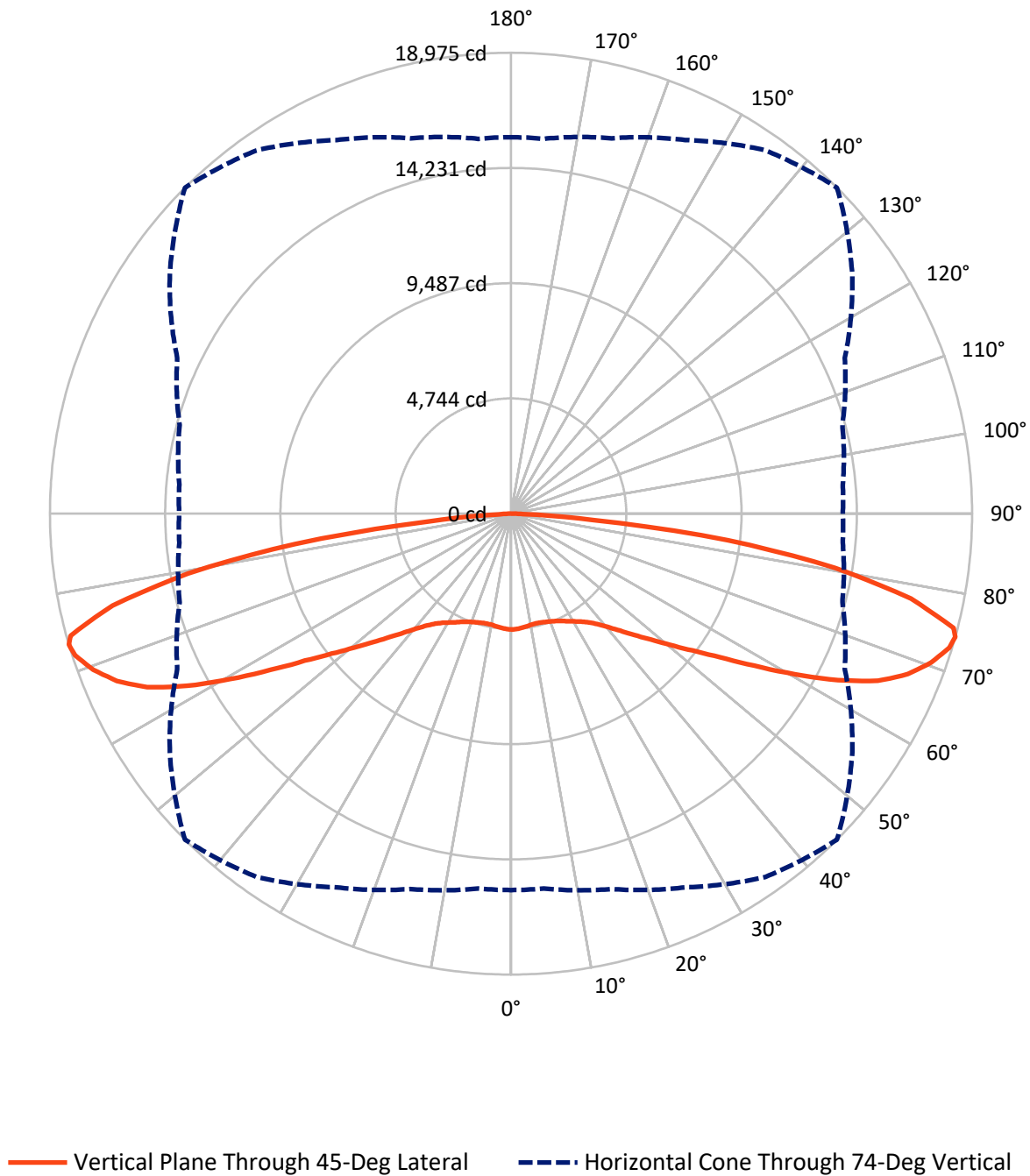


Based on 15 foot mounting height. Maximum calculated value = 21.2 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



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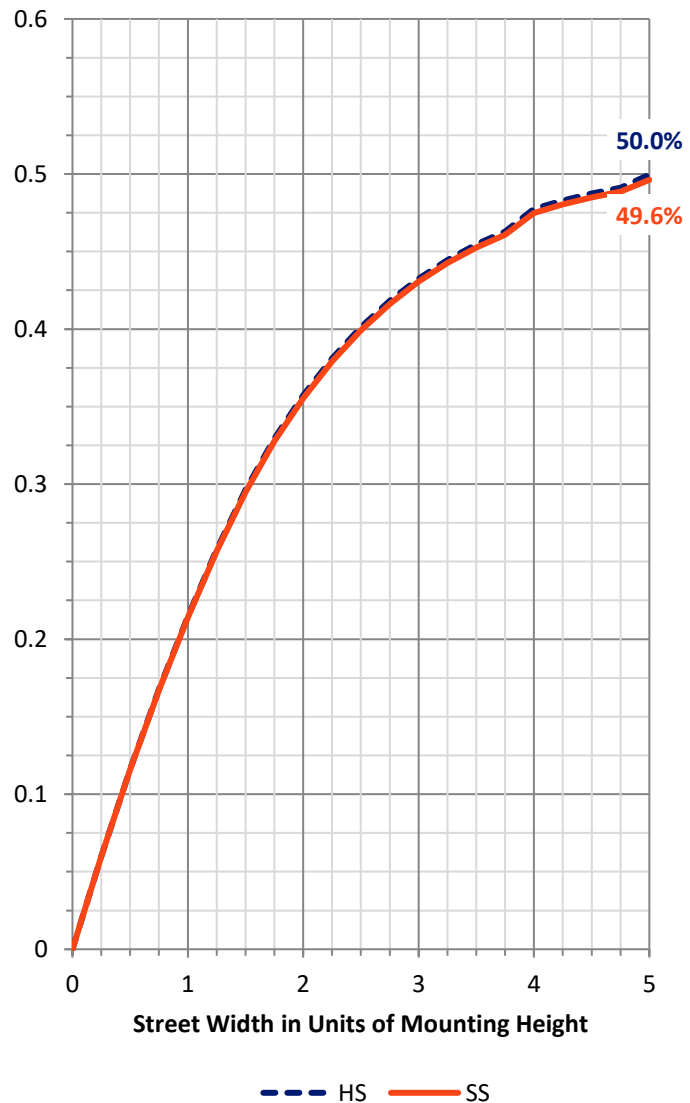
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27435.9	0.0	27435.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27435.9	0.0	27435.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	54871.8	0.0	54871.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.1	0.8
10°-20°	1332.0	2.4
20°-30°	2288.0	4.2
30°-40°	3520.4	6.4
40°-50°	5642.8	10.3
50°-60°	9213.6	16.8
60°-70°	14366.8	26.2
70°-80°	15324.4	27.9
80°-90°	2734.7	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°	54871.8	100.0
0°-180°	54871.8	100.0

Coefficient of Utilization



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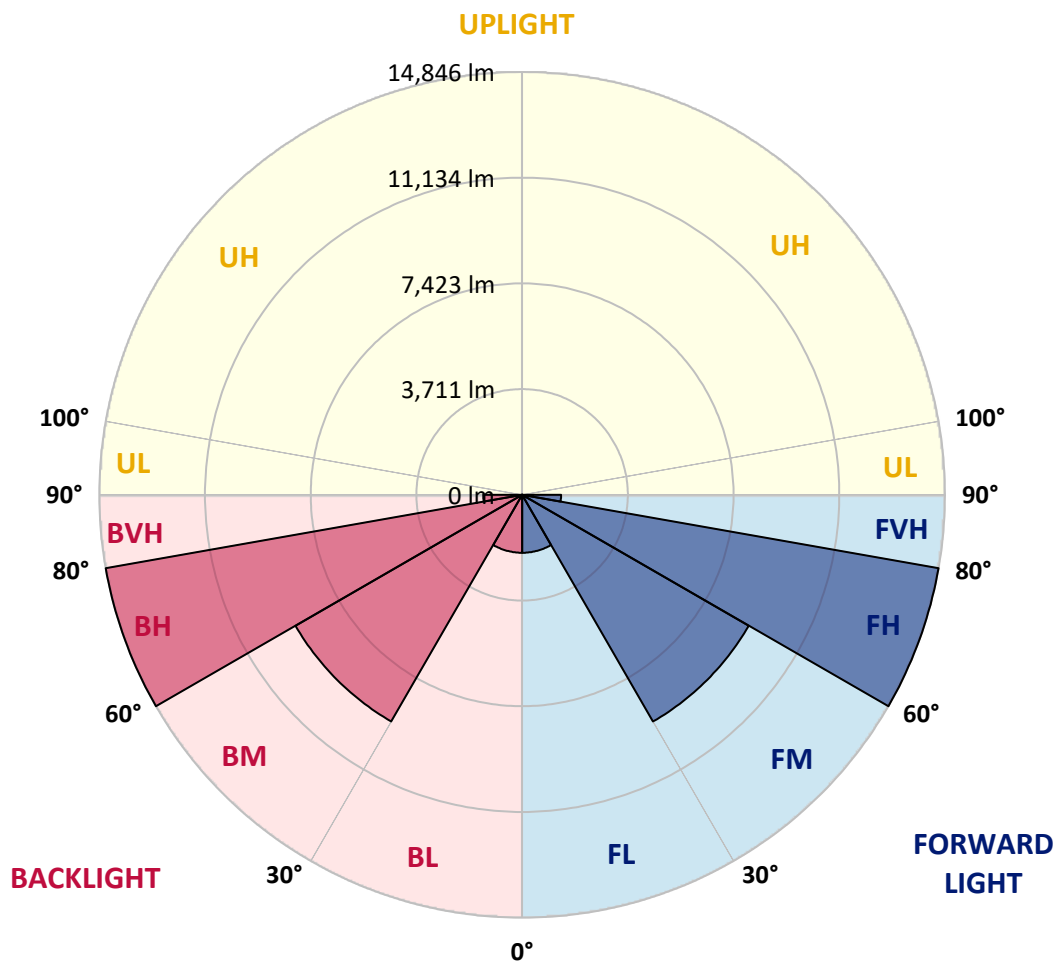
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2034.5	3.7			
FM	(30°-60°)	9188.4	16.7			
FH	(60°-80°)	14845.6	27.1			G5
FVH	(80°-90°)	1367.3	2.5			G5
BL	(0°-30°)	2034.5	3.7	B3/2500		
BM	(30°-60°)	9188.4	16.7	B5		
BH	(60°-80°)	14845.6	27.1	B5		G5
BVH	(80°-90°)	1367.3	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°	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7	4774.7
2.5°	4769.5	4777.2	4770.8	4759.3	4754.2	4750.4	4752.9	4760.6	4769.5	4773.3	4769.5
5°	4720.9	4727.4	4724.8	4718.4	4720.9	4722.3	4727.4	4737.5	4745.2	4747.8	4747.8
7.5°	4664.7	4671.1	4672.4	4669.9	4680.1	4683.9	4691.6	4701.8	4710.8	4717.1	4718.4
10°	4652.0	4652.0	4648.1	4640.4	4643.0	4645.6	4655.8	4673.7	4691.6	4700.5	4705.6
12.5°	4673.7	4673.7	4660.9	4641.8	4631.5	4630.3	4640.4	4666.1	4696.7	4715.9	4715.9
15°	4712.0	4708.2	4690.3	4666.1	4652.0	4645.6	4653.2	4678.8	4717.1	4742.7	4745.2
17.5°	4745.2	4745.2	4727.4	4701.8	4686.5	4683.9	4685.2	4705.6	4745.2	4775.9	4782.3
20°	4782.3	4783.6	4767.0	4744.0	4733.7	4732.5	4736.3	4747.8	4783.6	4816.8	4823.2
22.5°	4846.1	4844.9	4825.7	4801.4	4797.6	4800.2	4802.8	4811.7	4847.5	4883.3	4880.7
25°	4934.3	4939.5	4915.2	4892.2	4890.9	4893.4	4896.0	4907.5	4943.3	4979.0	4976.5
27.5°	5041.7	5048.1	5021.2	5003.3	5008.5	5017.4	5013.5	5018.6	5044.2	5081.3	5073.6
30°	5166.9	5159.2	5143.8	5138.8	5147.7	5147.7	5142.6	5141.3	5157.9	5192.4	5183.5
32.5°	5324.0	5320.2	5301.0	5297.2	5303.6	5297.2	5294.6	5301.0	5321.5	5356.0	5350.9
35°	5559.1	5550.1	5525.9	5508.0	5506.8	5491.4	5497.8	5522.0	5560.4	5589.8	5589.8
37.5°	5836.4	5853.0	5827.4	5794.2	5772.5	5763.5	5773.8	5814.6	5875.9	5905.4	5905.4
40°	6241.4	6246.5	6210.8	6171.1	6146.9	6131.5	6143.0	6190.2	6270.7	6309.1	6291.2
42.5°	6709.0	6709.0	6675.8	6624.6	6586.4	6582.5	6592.7	6647.7	6734.6	6774.2	6749.9
45°	7286.5	7246.9	7216.2	7158.7	7119.1	7120.4	7131.9	7185.6	7262.2	7318.5	7291.6
47.5°	7884.5	7853.8	7826.9	7763.1	7740.1	7742.6	7751.5	7807.8	7870.4	7940.6	7916.4
50°	8510.5	8500.3	8502.8	8459.4	8474.7	8485.0	8481.1	8514.3	8564.1	8598.7	8554.0
52.5°	9164.7	9157.0	9233.7	9249.0	9329.5	9360.1	9323.1	9296.2	9287.3	9231.1	9167.2
55°	9858.4	9855.9	10016.8	10138.3	10349.1	10420.6	10328.6	10170.2	10045.0	9907.0	9843.1
57.5°	10649.3	10664.6	10869.1	11146.3	11584.6	11799.2	11541.1	11156.6	10888.2	10669.8	10603.3
60°	11501.5	11500.2	11806.9	12254.0	13001.5	13419.3	12903.1	12215.7	11785.2	11478.5	11387.8
62.5°	12311.6	12315.4	12687.2	13349.1	14465.7	15100.7	14228.0	13190.6	12627.1	12248.9	12171.0
65°	13355.4	13351.6	13683.8	14399.3	15777.8	16591.8	15462.3	14211.4	13530.5	13119.0	13016.8
67.5°	14749.4	14708.4	15016.4	15662.9	16863.9	17620.2	16540.6	15236.2	14500.2	14113.0	14036.4
70°	15846.8	15864.8	16273.6	16925.2	17792.7	18347.3	17281.7	16069.2	15300.0	14849.0	14766.0
72.5°	15982.3	15975.9	16462.7	17340.5	18342.2	18859.6	17516.7	15910.7	14879.7	14380.1	14318.8
74°	15495.5	15489.1	15997.6	16970.0	18256.5	18974.6	17141.1	15154.3	14118.2	13703.0	13655.7
75°	14927.0	14800.4	15408.6	16465.2	17935.9	18814.9	16578.9	14515.6	13585.4	13174.0	13120.3
77.5°	11067.1	10852.5	11958.9	13943.1	16010.4	16821.7	14613.9	12310.2	11049.2	10255.8	10142.1
80°	5486.2	5320.2	6467.5	9010.1	11819.7	13530.5	11353.3	8177.0	6436.9	5375.1	5239.7
82.5°	1326.2	1346.7	2028.9	3700.1	6434.3	8993.5	6663.0	3544.2	2345.8	1680.2	1521.7
85°	322.0	325.8	591.6	910.9	2120.9	3383.3	2177.1	1038.7	826.6	622.3	606.9
87.5°	92.0	98.3	198.0	238.9	369.3	499.6	485.5	471.4	481.7	346.2	290.0
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)