

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: P622601

Luminaire Tested: **PRV-M-PA6A-8540-U-5WQ**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622601
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-PA6A-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: 33627.6 lumens
Efficiency: N/A
Efficacy: 122.8 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): 273.8
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

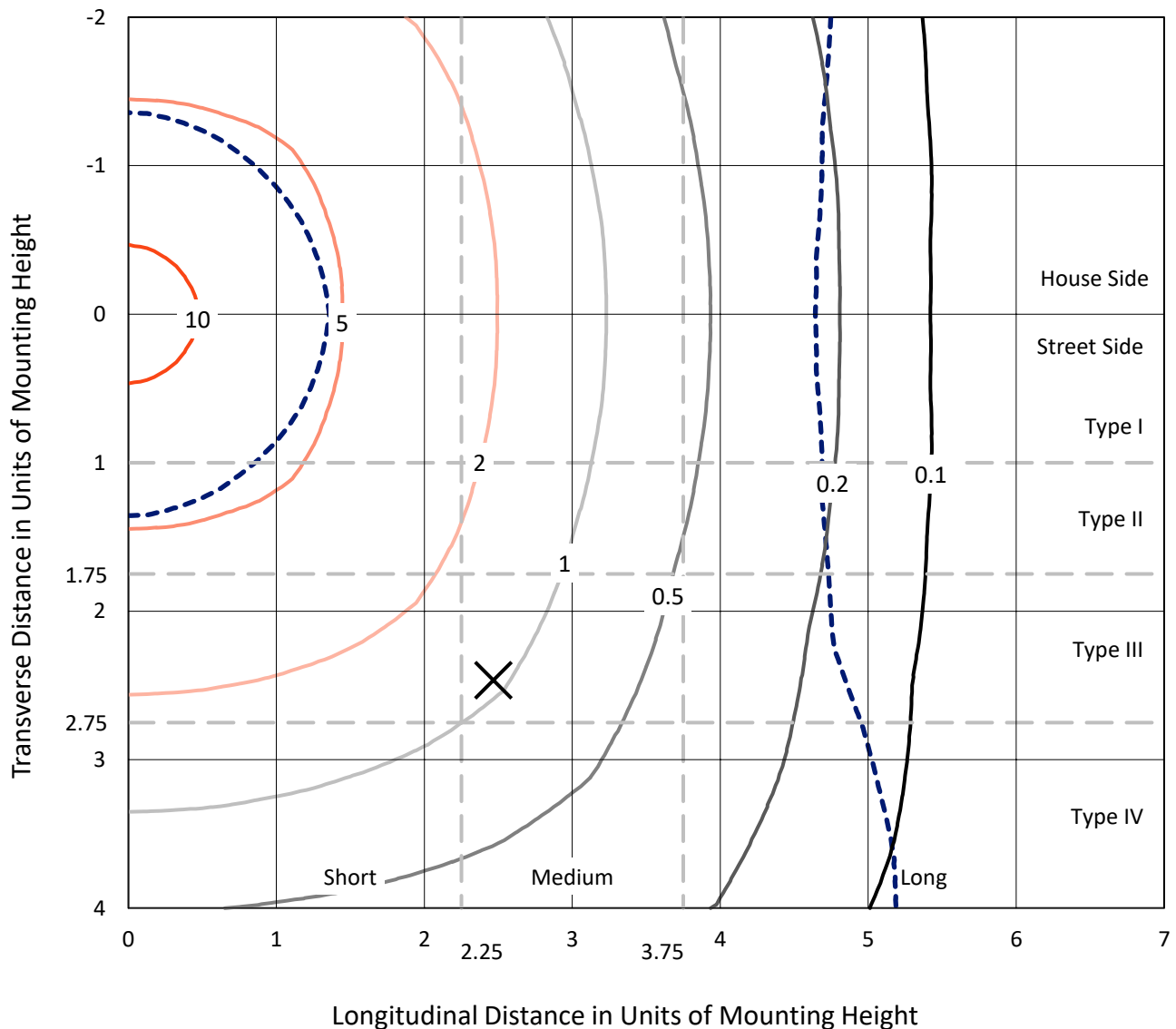


REPORT NUMBER: P622601

CATALOG NUMBER: PRV-M-PA6A-8540-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

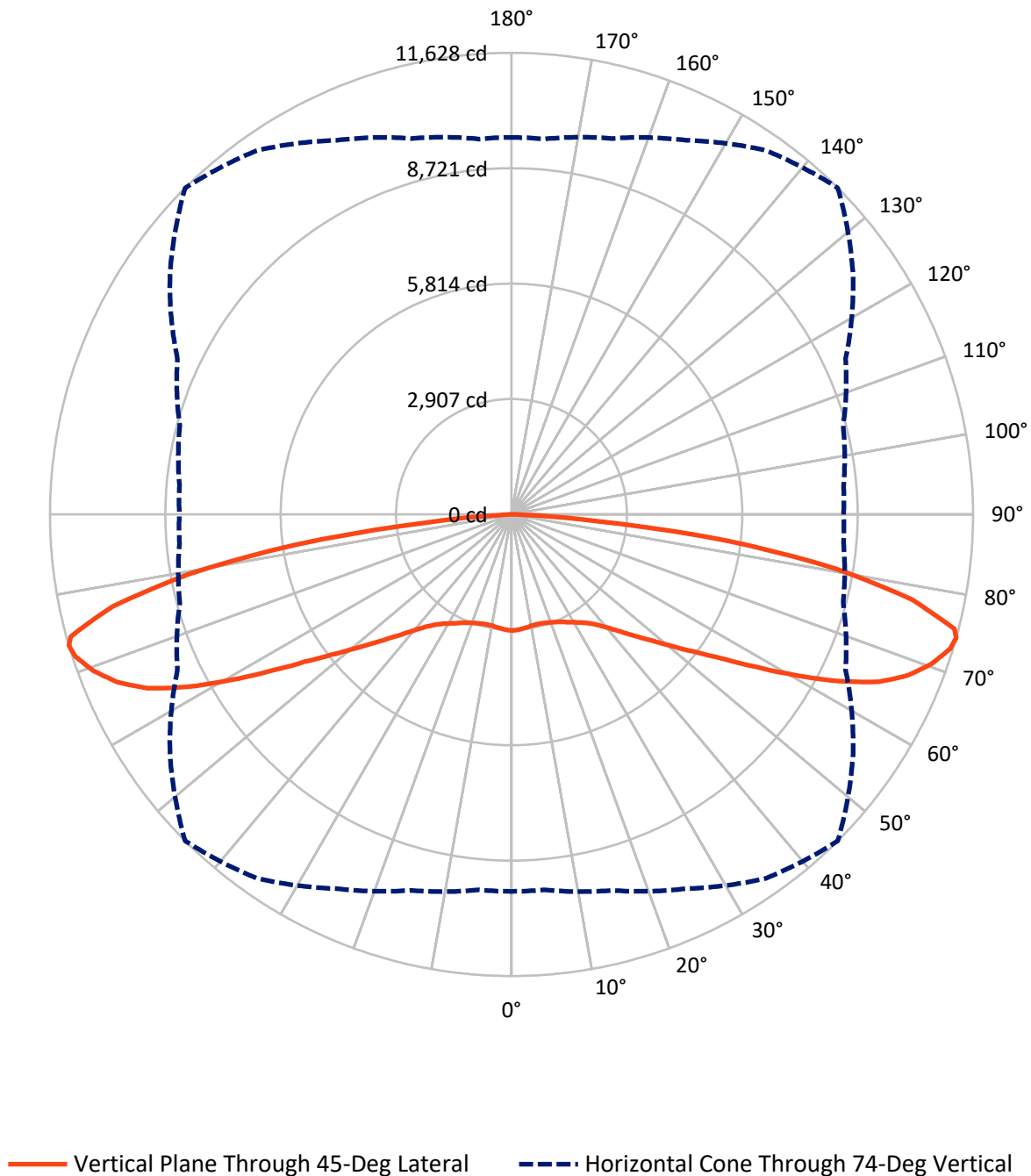


Based on 15 foot mounting height. Maximum calculated value = 13 fc
 Type V - Medium - N/A

REPORT NUMBER: P622601

CATALOG NUMBER: PRV-M-PA6A-8540-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P622601

CATALOG NUMBER: PRV-M-PA6A-8540-U-5WQ

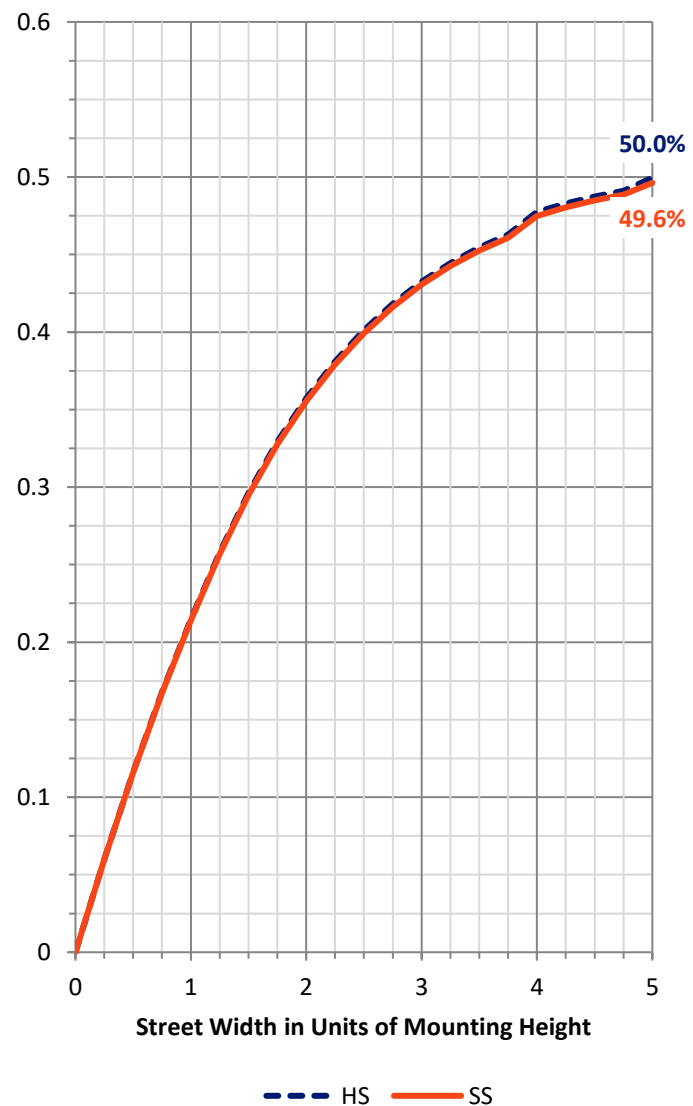
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16813.8	0.0	16813.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16813.8	0.0	16813.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	33627.6	0.0	33627.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.2	0.8
10°-20°	816.3	2.4
20°-30°	1402.2	4.2
30°-40°	2157.4	6.4
40°-50°	3458.2	10.3
50°-60°	5646.5	16.8
60°-70°	8804.5	26.2
70°-80°	9391.4	27.9
80°-90°	1675.9	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°	33627.6	100.0
0°-180°	33627.6	100.0

Coefficient of Utilization



REPORT NUMBER: P622601

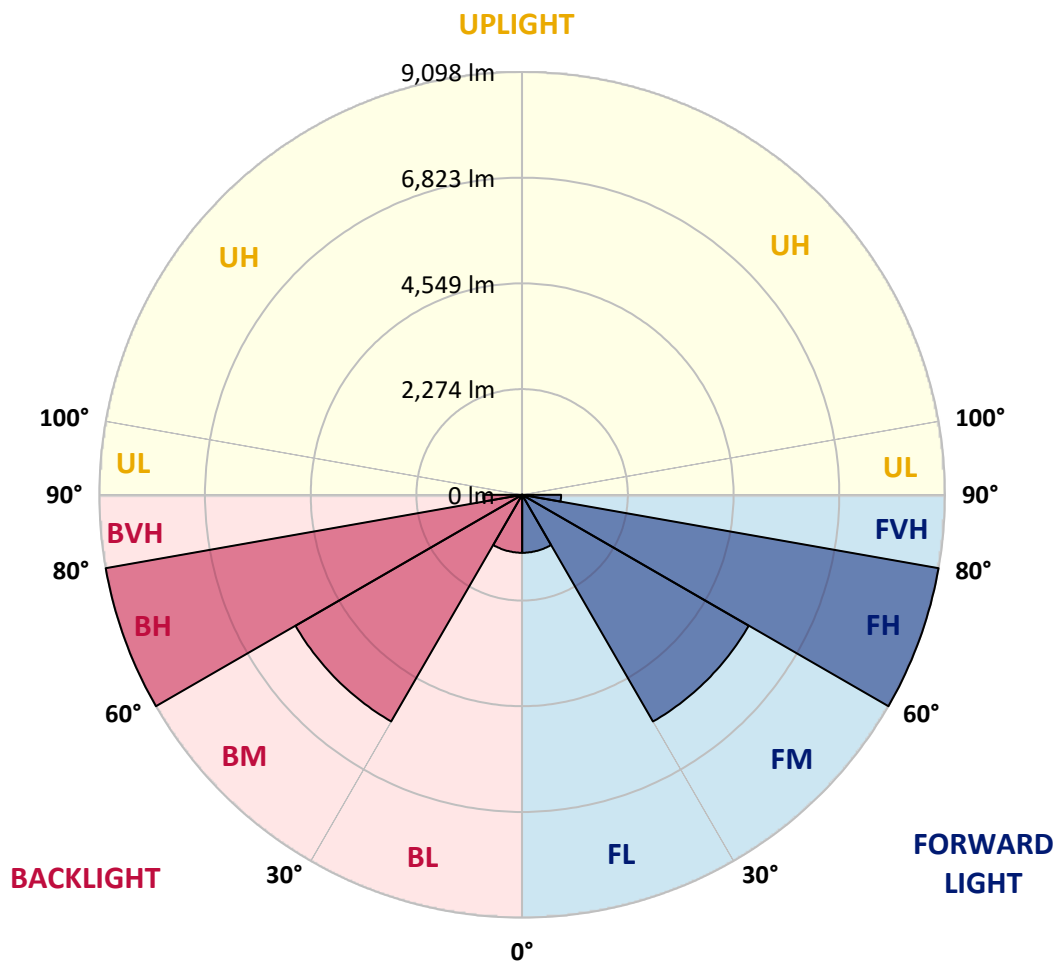
CATALOG NUMBER: PRV-M-PA6A-8540-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1246.8	3.7			
FM	(30°-60°)	5631.0	16.7			
FH	(60°-80°)	9098.0	27.1			G4/12000
FVH	(80°-90°)	838.0	2.5			G5
BL	(0°-30°)	1246.8	3.7	B3/2500		
BM	(30°-60°)	5631.0	16.7	B4/8500		
BH	(60°-80°)	9098.0	27.1	B5		G4/12000
BVH	(80°-90°)	838.0	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



REPORT NUMBER: P622601

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2926.1	2926.1	2926.1	2926.1	2926.1	2926.1	2926.1	2926.1	2926.1	2926.1	2926.1
2.5°	2922.9	2927.6	2923.7	2916.7	2913.5	2911.2	2912.8	2917.5	2922.9	2925.3	2922.9
5°	2893.2	2897.1	2895.5	2891.6	2893.2	2894.0	2897.1	2903.4	2908.1	2909.6	2909.6
7.5°	2858.7	2862.6	2863.4	2861.9	2868.1	2870.5	2875.2	2881.4	2886.9	2890.8	2891.6
10°	2850.9	2850.9	2848.6	2843.9	2845.4	2847.0	2853.3	2864.2	2875.2	2880.7	2883.8
12.5°	2864.2	2864.2	2856.4	2844.6	2838.4	2837.6	2843.9	2859.5	2878.3	2890.1	2890.1
15°	2887.7	2885.4	2874.4	2859.5	2850.9	2847.0	2851.7	2867.3	2890.8	2906.5	2908.1
17.5°	2908.1	2908.1	2897.1	2881.4	2872.0	2870.5	2871.3	2883.8	2908.1	2926.9	2930.8
20°	2930.8	2931.6	2921.4	2907.3	2901.0	2900.2	2902.6	2909.6	2931.6	2951.9	2955.8
22.5°	2969.9	2969.1	2957.4	2942.5	2940.2	2941.7	2943.3	2948.8	2970.7	2992.6	2991.1
25°	3023.9	3027.1	3012.2	2998.1	2997.3	2998.9	3000.5	3007.5	3029.4	3051.4	3049.8
27.5°	3089.7	3093.6	3077.2	3066.2	3069.4	3074.8	3072.5	3075.6	3091.3	3114.0	3109.3
30°	3166.5	3161.8	3152.4	3149.2	3154.7	3154.7	3151.6	3150.8	3161.0	3182.1	3176.6
32.5°	3262.8	3260.4	3248.7	3246.3	3250.2	3246.3	3244.8	3248.7	3261.2	3282.3	3279.2
35°	3406.8	3401.4	3386.5	3375.5	3374.7	3365.3	3369.2	3384.1	3407.6	3425.6	3425.6
37.5°	3576.7	3586.9	3571.3	3550.9	3537.6	3532.1	3538.4	3563.4	3601.0	3619.0	3619.0
40°	3825.0	3828.1	3806.2	3781.9	3767.0	3757.6	3764.7	3793.6	3843.0	3866.5	3855.5
42.5°	4111.5	4111.5	4091.2	4059.9	4036.4	4034.0	4040.3	4073.9	4127.2	4151.5	4136.6
45°	4465.4	4441.2	4422.4	4387.1	4362.9	4363.7	4370.7	4403.6	4450.6	4485.0	4468.6
47.5°	4831.9	4813.1	4796.7	4757.5	4743.4	4745.0	4750.5	4784.9	4823.3	4866.3	4851.5
50°	5215.6	5209.3	5210.9	5184.2	5193.6	5199.9	5197.6	5217.9	5248.4	5269.6	5242.2
52.5°	5616.5	5611.8	5658.7	5668.1	5717.5	5736.3	5713.6	5697.1	5691.6	5657.2	5618.0
55°	6041.6	6040.1	6138.7	6213.1	6342.3	6386.1	6329.8	6232.7	6155.9	6071.4	6032.2
57.5°	6526.3	6535.7	6661.0	6830.9	7099.5	7231.0	7072.8	6837.2	6672.7	6538.8	6498.1
60°	7048.6	7047.8	7235.7	7509.8	7967.8	8223.8	7907.5	7486.3	7222.4	7034.5	6978.9
62.5°	7545.0	7547.3	7775.2	8180.8	8865.1	9254.3	8719.5	8083.7	7738.4	7506.6	7458.9
65°	8184.7	8182.4	8385.9	8824.4	9669.3	10168.0	9475.9	8709.3	8292.0	8039.8	7977.2
67.5°	9039.0	9013.9	9202.6	9598.8	10334.8	10798.4	10136.7	9337.3	8886.3	8649.0	8602.0
70°	9711.5	9722.5	9973.1	10372.4	10904.1	11243.9	10590.9	9847.8	9376.4	9100.0	9049.1
72.5°	9794.5	9790.6	10089.0	10626.9	11240.7	11557.9	10734.9	9750.7	9118.8	8812.7	8775.1
74°	9496.2	9492.3	9803.9	10399.8	11188.3	11628.3	10504.7	9287.2	8652.2	8397.7	8368.7
75°	9147.8	9070.3	9443.0	10090.5	10991.8	11530.5	10160.2	8895.7	8325.6	8073.5	8040.6
77.5°	6782.3	6650.8	7328.9	8544.9	9811.8	10309.0	8956.0	7544.2	6771.4	6285.1	6215.5
80°	3362.2	3260.4	3963.5	5521.7	7243.5	8292.0	6957.7	5011.2	3944.8	3294.1	3211.1
82.5°	812.8	825.3	1243.4	2267.6	3943.2	5511.5	4083.3	2172.0	1437.6	1029.6	932.6
85°	197.3	199.7	362.5	558.3	1299.8	2073.4	1334.2	636.6	506.6	381.3	371.9
87.5°	56.4	60.3	121.4	146.4	226.3	306.2	297.5	288.9	295.2	212.2	177.7
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)