

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: P381065

Luminaire Tested: **PRV-XL-PA3B-8540-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P381065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-XL-PA3B-8540-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(3) 85 CRI, 4000K, 980mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24710.7 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.42' x L: 1.79' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 234
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

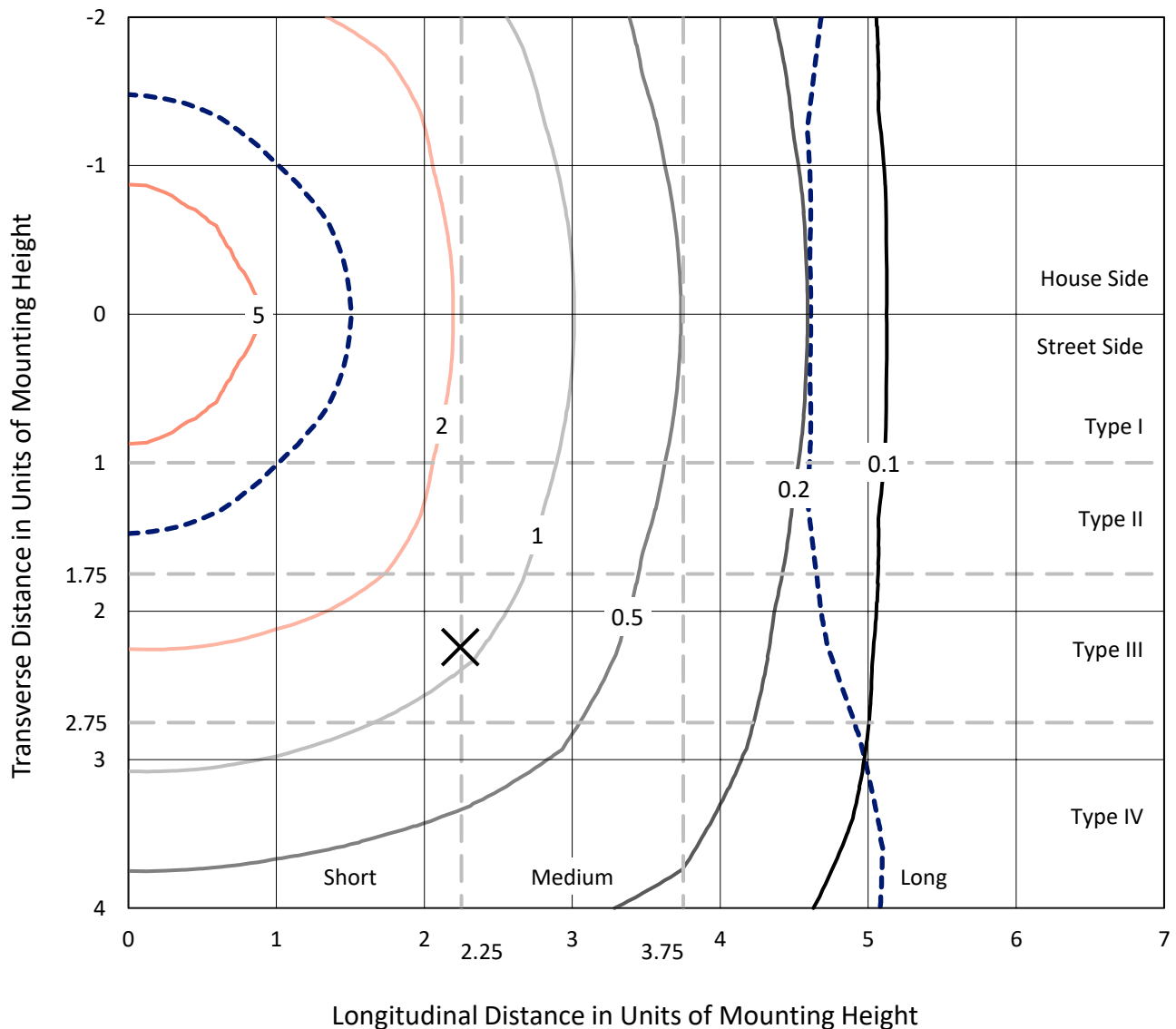


REPORT NUMBER: P381065

CATALOG NUMBER: PRV-XL-PA3B-8540-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

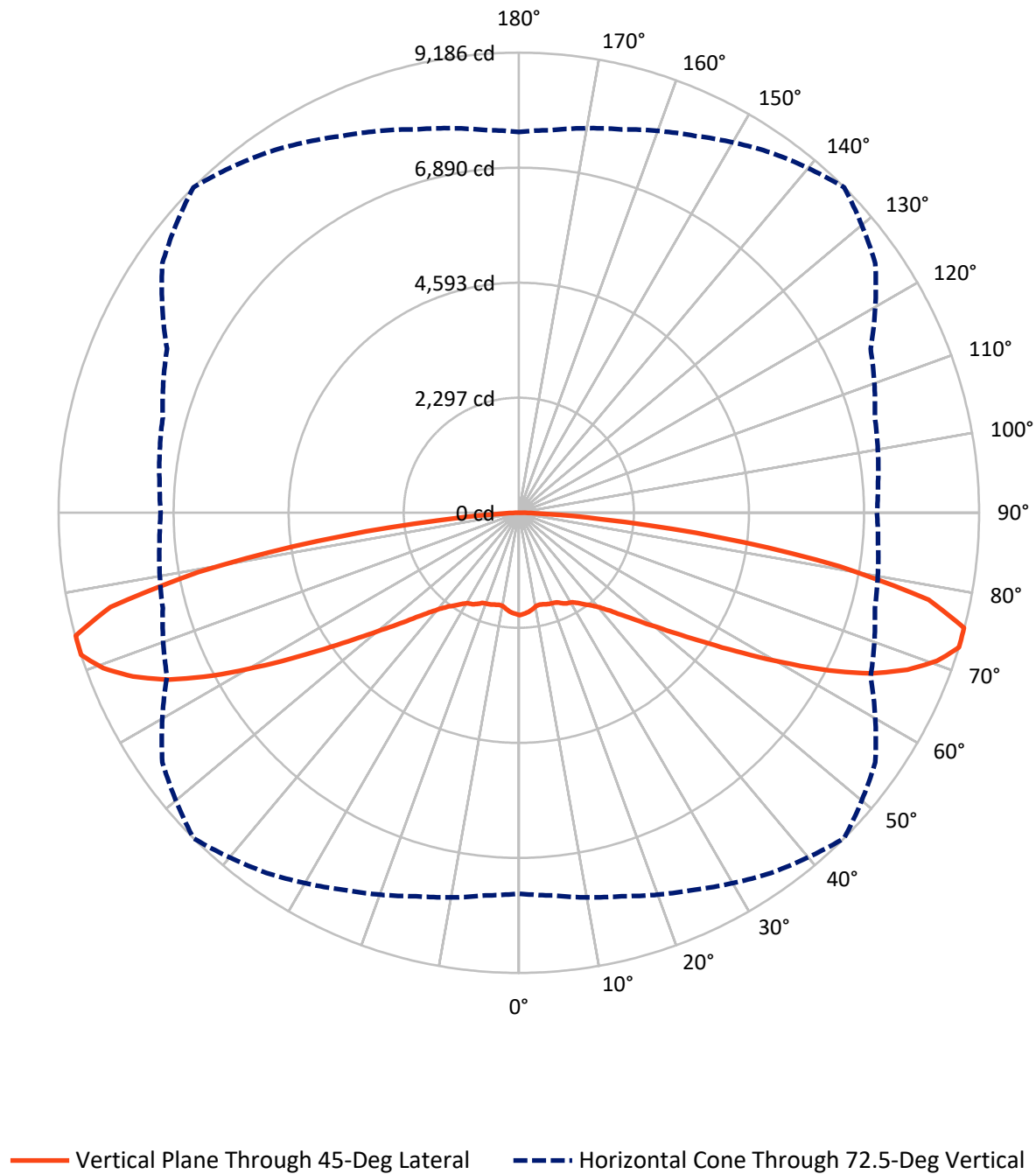


Based on 15 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

REPORT NUMBER: P381065

CATALOG NUMBER: PRV-XL-PA3B-8540-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P381065

CATALOG NUMBER: PRV-XL-PA3B-8540-U-5WQ

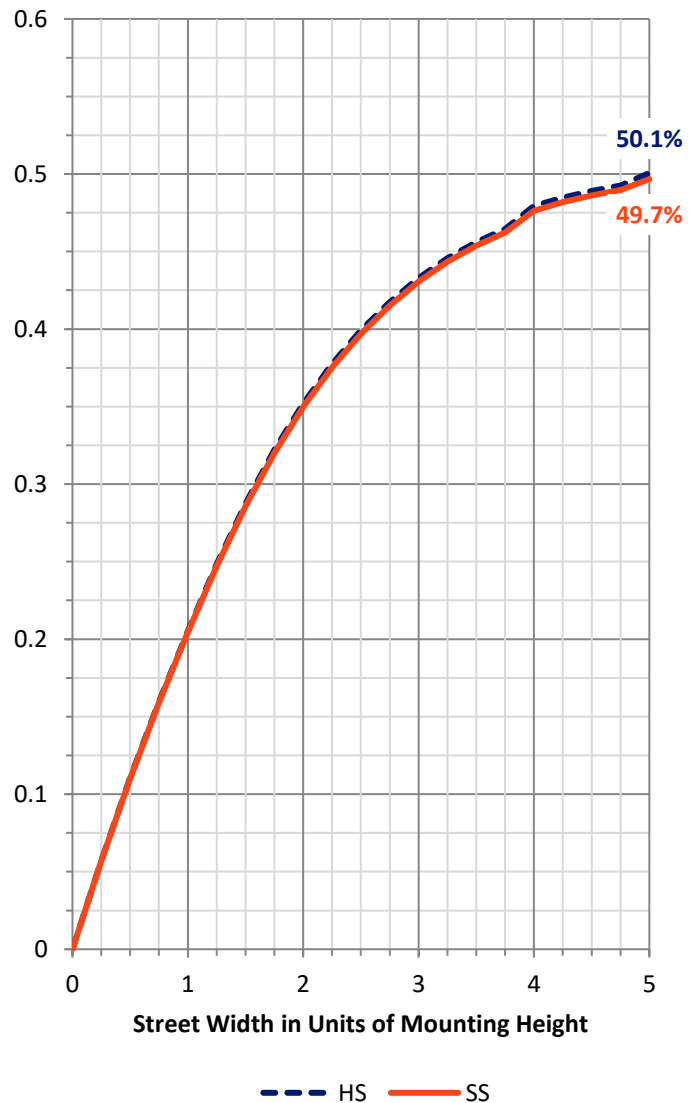
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12355.3	0.0	12355.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12355.3	0.0	12355.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	24710.7	0.0	24710.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.5	0.8
10°-20°	544.3	2.2
20°-30°	924.8	3.7
30°-40°	1410.6	5.7
40°-50°	2322.7	9.4
50°-60°	4056.1	16.4
60°-70°	6800.2	27.5
70°-80°	7277.6	29.5
80°-90°	1187.0	4.8
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°	24710.7	100.0
0°-180°	24710.7	100.0

Coefficient of Utilization



REPORT NUMBER: P381065

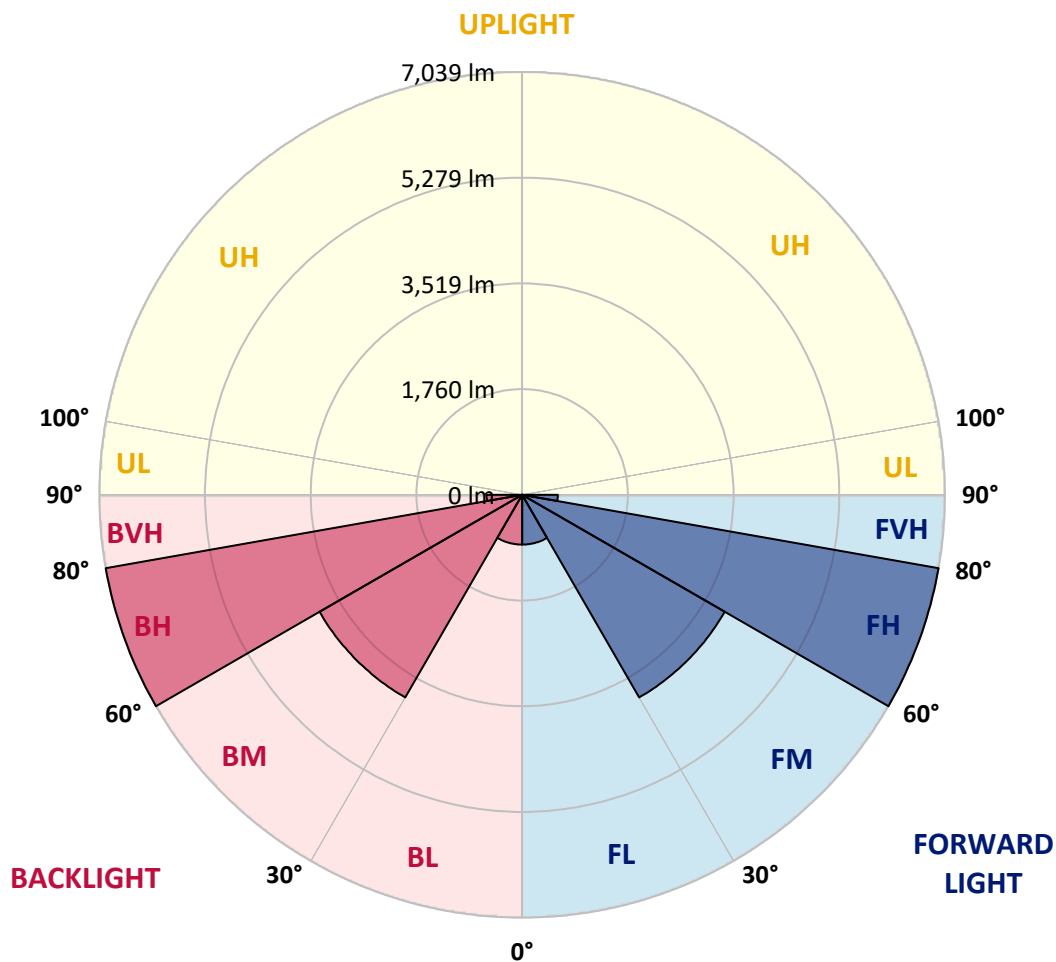
CATALOG NUMBER: PRV-XL-PA3B-8540-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	828.3	3.4			
FM	(30°-60°)	3894.7	15.8			
FH	(60°-80°)	7038.9	28.5			G3/7500
FVH	(80°-90°)	593.5	2.4			G4/750
BL	(0°-30°)	828.3	3.4	B2/1000		
BM	(30°-60°)	3894.7	15.8	B3/5000		
BH	(60°-80°)	7038.9	28.5	B5		G3/7500
BVH	(80°-90°)	593.5	2.4			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



REPORT NUMBER: P381065

CATALOG NUMBER: PRV-XL-PA3B-8540-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2044.8	2044.8	2044.8	2044.8	2044.8	2044.8	2044.8	2044.8	2044.8	2044.8	2044.8
2.5°	2032.2	2032.2	2032.2	2029.1	2022.7	2019.6	2013.2	2016.5	2016.5	2016.5	2016.5
5°	2007.0	2007.0	2003.9	2000.6	1994.4	1991.2	1984.9	1991.2	1991.2	1991.2	1991.2
7.5°	1959.6	1962.8	1962.8	1959.6	1950.1	1947.0	1937.5	1940.7	1940.7	1943.9	1940.7
10°	1934.4	1934.4	1931.3	1915.5	1899.7	1893.4	1890.2	1899.7	1909.1	1918.6	1918.6
12.5°	1934.4	1934.4	1928.1	1902.8	1880.8	1880.8	1880.8	1893.4	1912.3	1931.3	1934.4
15°	1943.9	1943.9	1931.3	1902.8	1890.2	1893.4	1893.4	1906.0	1928.1	1953.4	1956.5
17.5°	1950.1	1950.1	1934.4	1906.0	1906.0	1915.5	1909.1	1918.6	1940.7	1969.1	1972.2
20°	1959.6	1959.6	1937.5	1915.5	1915.5	1924.9	1924.9	1934.4	1953.4	1981.7	1984.9
22.5°	1978.6	1975.4	1953.4	1934.4	1934.4	1940.7	1947.0	1959.6	1975.4	2000.6	2007.0
25°	2000.6	2000.6	1981.7	1978.6	1984.9	2000.6	1997.5	1994.4	2000.6	2022.7	2032.2
27.5°	2013.2	2013.2	2000.6	2010.1	2035.4	2048.0	2032.2	2019.6	2019.6	2041.7	2044.8
30°	2054.3	2051.1	2038.5	2044.8	2067.0	2073.2	2063.8	2048.0	2057.5	2082.7	2085.8
32.5°	2123.7	2123.7	2104.8	2104.8	2120.6	2145.8	2114.3	2104.8	2117.4	2145.8	2148.9
35°	2231.0	2231.0	2205.8	2193.2	2205.8	2240.5	2193.2	2190.0	2212.1	2243.6	2246.8
37.5°	2366.7	2366.7	2351.0	2319.4	2322.5	2344.6	2303.6	2300.5	2341.5	2376.2	2376.2
40°	2537.1	2546.6	2530.8	2492.9	2480.3	2483.4	2451.9	2455.1	2502.4	2543.4	2543.4
42.5°	2748.6	2754.8	2729.6	2701.2	2685.5	2676.0	2644.4	2650.7	2707.5	2761.2	2761.2
45°	3004.1	3007.3	2982.1	2947.4	2928.4	2922.1	2890.5	2906.3	2969.4	3026.2	3023.1
47.5°	3291.3	3294.5	3269.2	3234.5	3221.9	3231.4	3199.8	3199.8	3256.6	3303.9	3297.6
50°	3616.4	3622.6	3594.2	3578.5	3569.0	3594.2	3556.4	3521.7	3559.5	3606.9	3600.5
52.5°	3976.1	3991.8	3972.9	3979.2	4014.0	4045.5	3982.4	3906.6	3925.6	3957.1	3947.7
55°	4411.6	4430.4	4436.8	4458.9	4550.4	4604.0	4499.9	4373.7	4364.2	4367.3	4351.6
57.5°	4900.6	4913.3	4954.3	5004.8	5194.1	5279.4	5115.3	4897.5	4828.1	4787.0	4777.6
60°	5392.9	5415.1	5516.0	5620.1	5910.5	6065.1	5812.7	5446.6	5298.2	5222.5	5206.8
62.5°	5888.4	5932.6	6096.7	6273.4	6696.2	6926.6	6538.4	6008.3	5793.7	5699.1	5673.8
65°	6462.7	6516.4	6715.2	6939.2	7409.4	7734.4	7264.2	6588.9	6358.6	6232.4	6200.8
67.5°	7134.9	7191.6	7352.6	7601.9	8046.8	8365.5	7949.0	7182.1	6882.4	6721.4	6696.2
70°	7687.1	7737.5	7911.1	8163.6	8494.9	8857.8	8460.2	7655.5	7384.2	7270.5	7254.7
72.5°	7601.9	7668.2	7923.7	8302.4	8775.8	9186.0	8684.3	7747.0	7355.7	7198.0	7147.5
75°	6639.4	6712.0	7014.9	7699.7	8564.3	9176.5	8359.2	7138.0	6677.3	6544.7	6519.5
77.5°	4395.8	4465.2	4976.4	6055.6	7478.8	8362.4	7377.8	5979.8	5238.3	4919.6	4900.6
80°	1776.6	1864.9	2354.1	3499.5	5301.5	6500.5	5471.8	3827.8	2581.3	2082.7	1981.7
82.5°	413.4	492.3	716.3	1290.6	2713.8	4048.7	2950.5	1429.5	829.9	590.1	530.2
85°	173.6	176.7	306.1	419.7	848.9	1634.6	965.6	520.7	422.8	309.3	302.9
87.5°	66.2	69.5	148.3	176.7	271.4	309.3	328.2	268.3	249.3	154.6	148.3
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)