

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: STREETWORKS

Report Number: P157634

Luminaire Tested: **VST-F11-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157634
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33709)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F11-LED-E-U-5WQ-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (77) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26188 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G3

Input Watts (W): 282.7
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



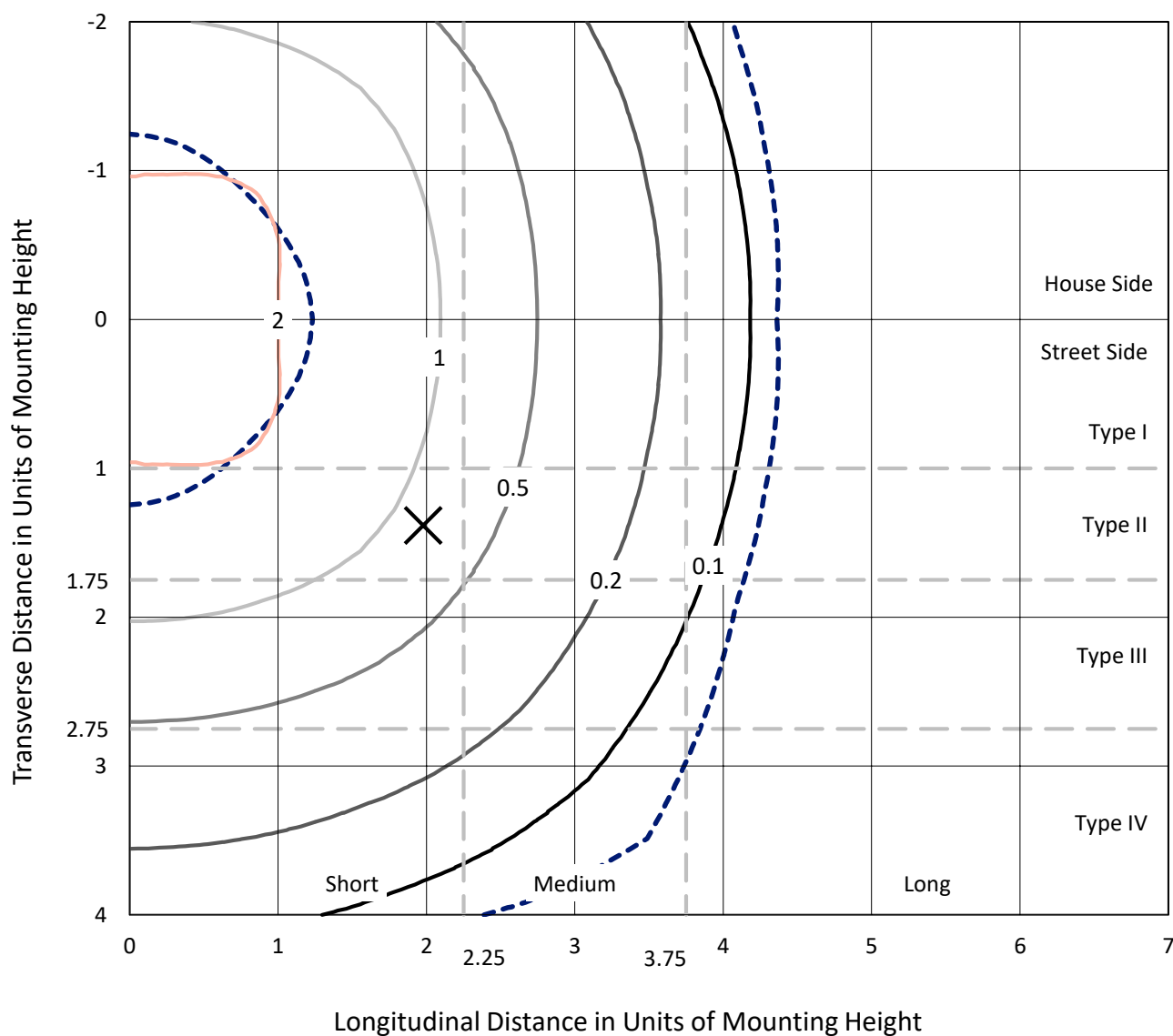
REPORT NUMBER: P157634

CATALOG NUMBER: VST-F11-LED-E-U-5WQ-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

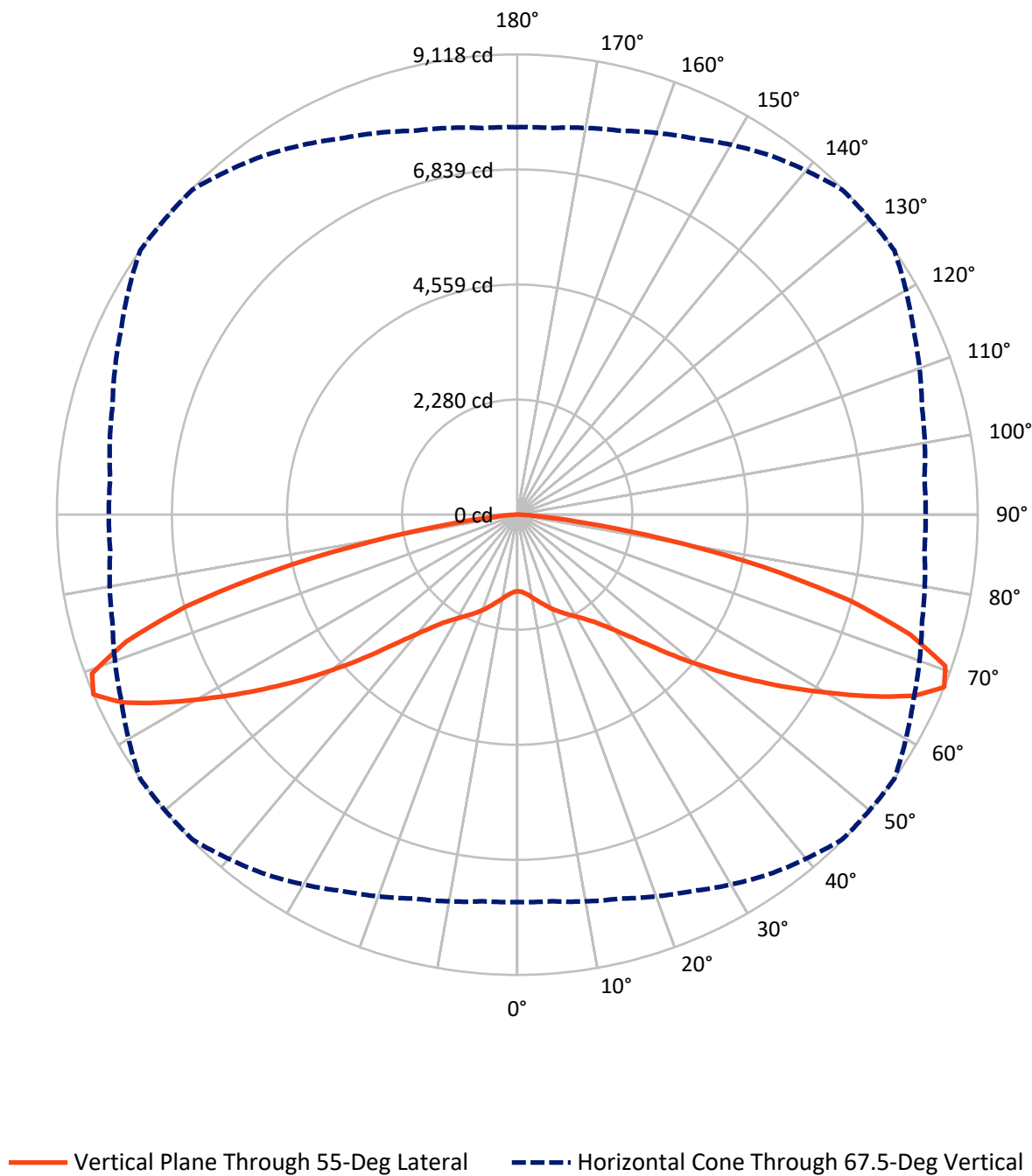


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P157634

CATALOG NUMBER: VST-F11-LED-E-U-5WQ-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P157634

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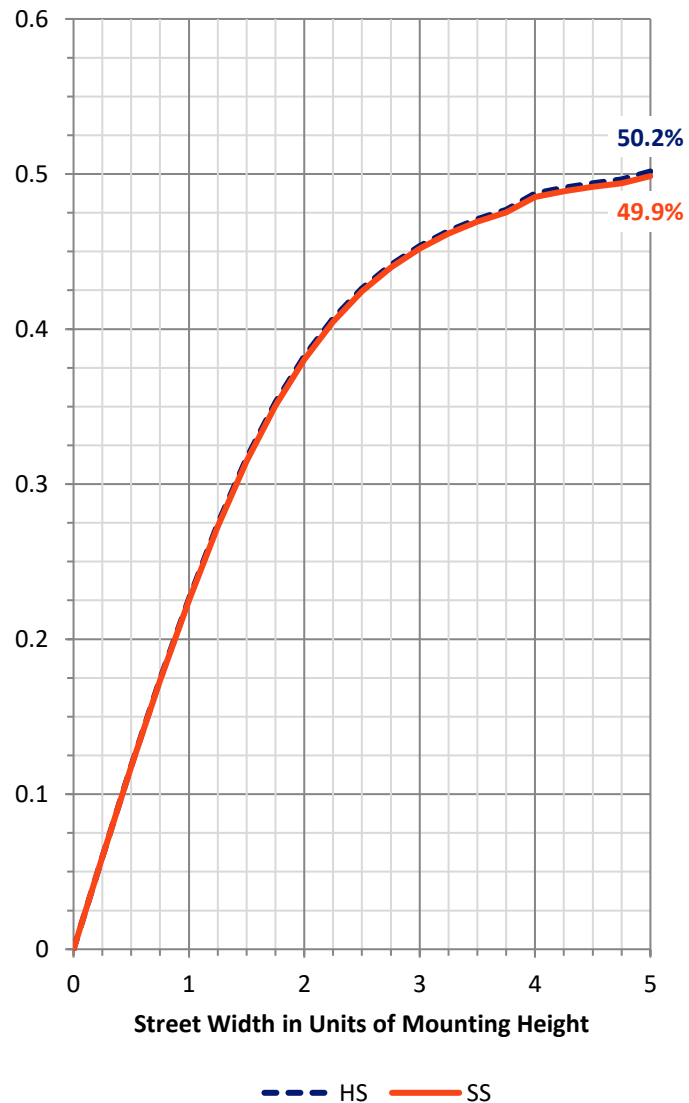
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13094.0	0.0	13094.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13094.0	0.0	13094.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26188.0	0.0	26188.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	0.6
10°-20°	521.1	2.0
20°-30°	1001.9	3.8
30°-40°	1641.3	6.3
40°-50°	2853.2	10.9
50°-60°	5092.8	19.4
60°-70°	7863.0	30.0
70°-80°	6365.1	24.3
80°-90°	697.2	2.7
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°	26188.0	100.0
0°-180°	26188.0	100.0

Coefficient of Utilization



REPORT NUMBER: P157634

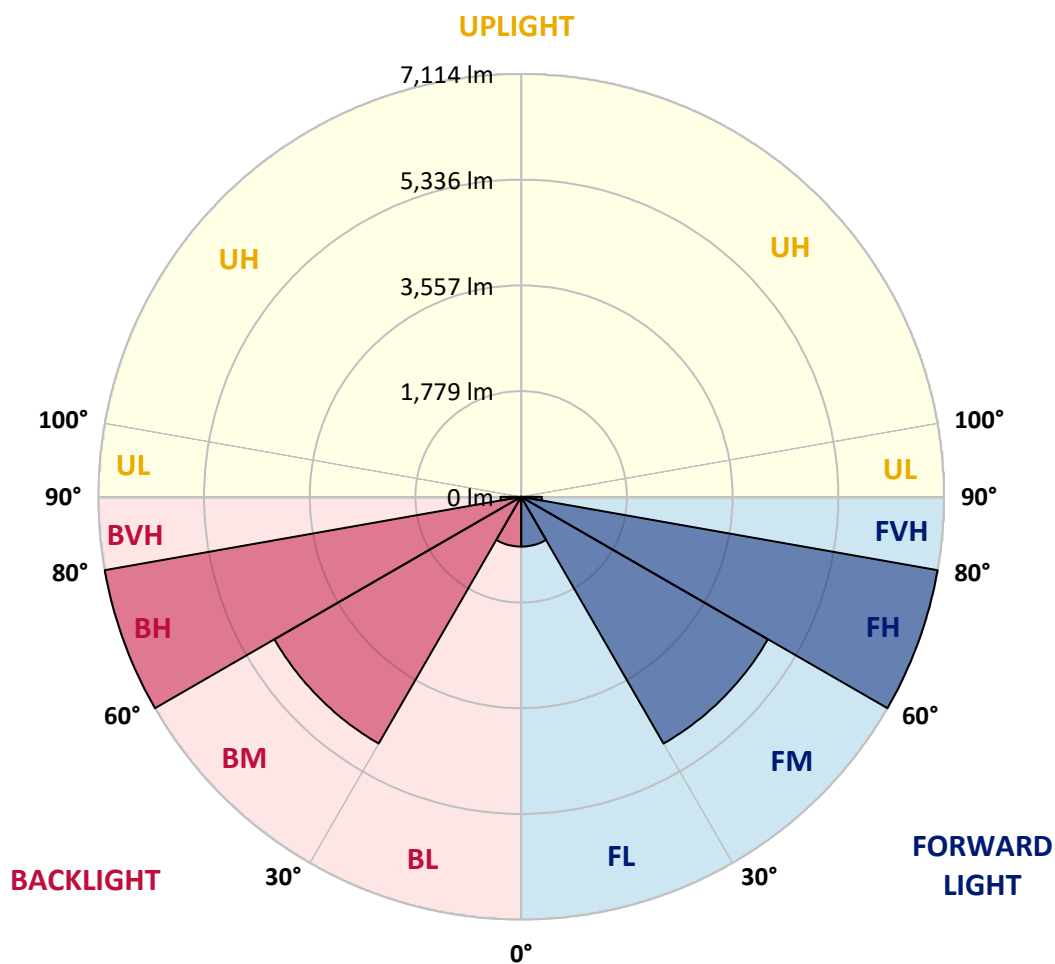
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	837.7	3.2			
FM	(30°-60°)	4793.6	18.3			
FH	(60°-80°)	7114.0	27.2			G3/7500
FVH	(80°-90°)	348.6	1.3			G3/500
BL	(0°-30°)	837.7	3.2	B2/1000		
BM	(30°-60°)	4793.6	18.3	B3/5000		
BH	(60°-80°)	7114.0	27.2	B5		G3/7500
BVH	(80°-90°)	348.6	1.3			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1519.4	1519.4	1519.4	1519.4	1519.4	1519.4	1519.4	1519.4	1519.4	1519.4	1519.4
2.5°	1529.4	1531.1	1529.4	1529.4	1527.7	1527.7	1527.7	1529.4	1529.4	1532.7	1531.1
5°	1560.9	1562.6	1559.3	1562.6	1562.6	1564.2	1562.6	1560.9	1562.6	1564.2	1559.3
7.5°	1605.7	1609.0	1607.4	1609.0	1610.7	1609.0	1609.0	1607.4	1610.7	1609.0	1605.7
10°	1663.8	1667.1	1665.4	1668.7	1670.4	1672.1	1672.1	1668.7	1667.1	1667.1	1665.4
12.5°	1733.4	1733.4	1733.4	1738.4	1741.7	1745.0	1743.4	1740.1	1735.1	1736.7	1730.1
15°	1809.7	1813.1	1813.1	1814.7	1823.0	1824.7	1823.0	1818.0	1816.4	1813.1	1809.7
17.5°	1894.3	1896.0	1897.7	1899.3	1909.3	1914.2	1907.6	1899.3	1899.3	1897.7	1897.7
20°	1982.2	1980.6	1983.9	1987.2	1993.9	1998.8	1997.2	1988.9	1982.2	1987.2	1985.6
22.5°	2063.5	2065.2	2066.8	2071.8	2083.4	2085.1	2080.1	2073.5	2065.2	2066.8	2066.8
25°	2139.8	2141.5	2144.8	2151.4	2164.7	2173.0	2166.4	2156.4	2144.8	2144.8	2146.5
27.5°	2217.8	2219.5	2221.1	2232.7	2249.3	2259.3	2254.3	2237.7	2224.4	2221.1	2216.1
30°	2304.1	2304.1	2307.4	2322.3	2343.9	2355.5	2348.8	2328.9	2309.0	2305.7	2305.7
32.5°	2413.5	2406.9	2411.9	2431.8	2455.0	2468.3	2463.3	2440.1	2415.2	2410.2	2410.2
35°	2544.6	2541.3	2544.6	2567.8	2596.0	2615.9	2604.3	2582.7	2556.2	2551.2	2547.9
37.5°	2700.5	2702.2	2712.1	2738.7	2776.8	2801.7	2790.1	2755.2	2723.7	2723.7	2723.7
40°	2897.9	2901.2	2921.1	2960.9	3015.7	3037.2	3024.0	2980.8	2944.3	2931.1	2934.4
42.5°	3166.6	3165.0	3196.5	3246.2	3310.9	3342.5	3320.9	3274.4	3221.4	3199.8	3201.5
45°	3483.4	3506.7	3539.8	3602.9	3684.2	3738.9	3700.8	3649.3	3569.7	3538.2	3536.5
47.5°	3866.6	3891.5	3933.0	4037.5	4135.4	4201.7	4171.8	4087.2	3972.8	3928.0	3911.4
50°	4302.9	4334.4	4387.5	4521.8	4661.2	4735.8	4682.8	4571.6	4448.9	4380.9	4364.3
52.5°	4793.9	4803.8	4883.5	5046.0	5218.5	5309.8	5250.1	5117.4	4959.8	4896.7	4850.3
55°	5338.0	5346.3	5437.5	5621.6	5817.4	5925.2	5848.9	5681.3	5535.4	5425.9	5435.8
57.5°	5842.2	5867.1	6001.5	6217.1	6447.7	6578.7	6495.8	6318.3	6165.7	6041.3	6056.2
60°	6381.3	6407.9	6548.9	6806.0	7117.8	7292.0	7184.2	6993.4	6835.9	6718.1	6703.2
62.5°	6953.6	6968.6	7122.8	7353.4	7751.5	8031.8	7929.0	7718.3	7534.2	7418.1	7406.5
65°	7482.8	7502.7	7633.7	7885.9	8295.6	8705.3	8647.2	8355.3	8106.5	7938.9	7915.7
67.5°	7675.2	7688.5	7872.6	8225.9	8697.0	9101.8	9118.3	8658.9	8297.2	8093.2	8088.2
70°	7449.6	7459.6	7695.1	8114.8	8715.3	9052.0	8992.3	8531.1	8086.6	7836.1	7811.2
72.5°	6943.7	6945.3	7161.0	7517.6	8119.8	8395.1	8141.3	7887.5	7428.0	7240.6	7190.8
75°	6023.1	6024.7	6174.0	6411.2	6840.8	7094.6	6806.0	6573.8	6303.4	6192.2	6134.2
77.5°	4142.0	4166.9	4321.1	4594.8	5065.9	5346.3	4968.1	4546.7	4382.5	4288.0	4231.6
80°	1993.9	2032.0	2209.5	2479.9	2972.5	3420.4	2954.3	2435.1	2115.0	1854.5	1901.0
82.5°	532.5	539.1	691.7	993.6	1385.1	1625.6	1320.4	923.9	582.2	391.5	358.3
85°	141.0	149.3	209.0	287.0	436.3	555.7	424.6	270.4	205.7	152.6	139.3
87.5°	38.2	44.8	73.0	87.9	109.5	87.9	109.5	94.6	91.2	48.1	34.8
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)