

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: P381055

Luminaire Tested: **USSL-PA2B-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P381055
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: STREETWORKS
Catalog Number: USSL-PA2B-730-U-5WQ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 970mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18517 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.12' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U0 - G3

Input Watts (W): 151
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

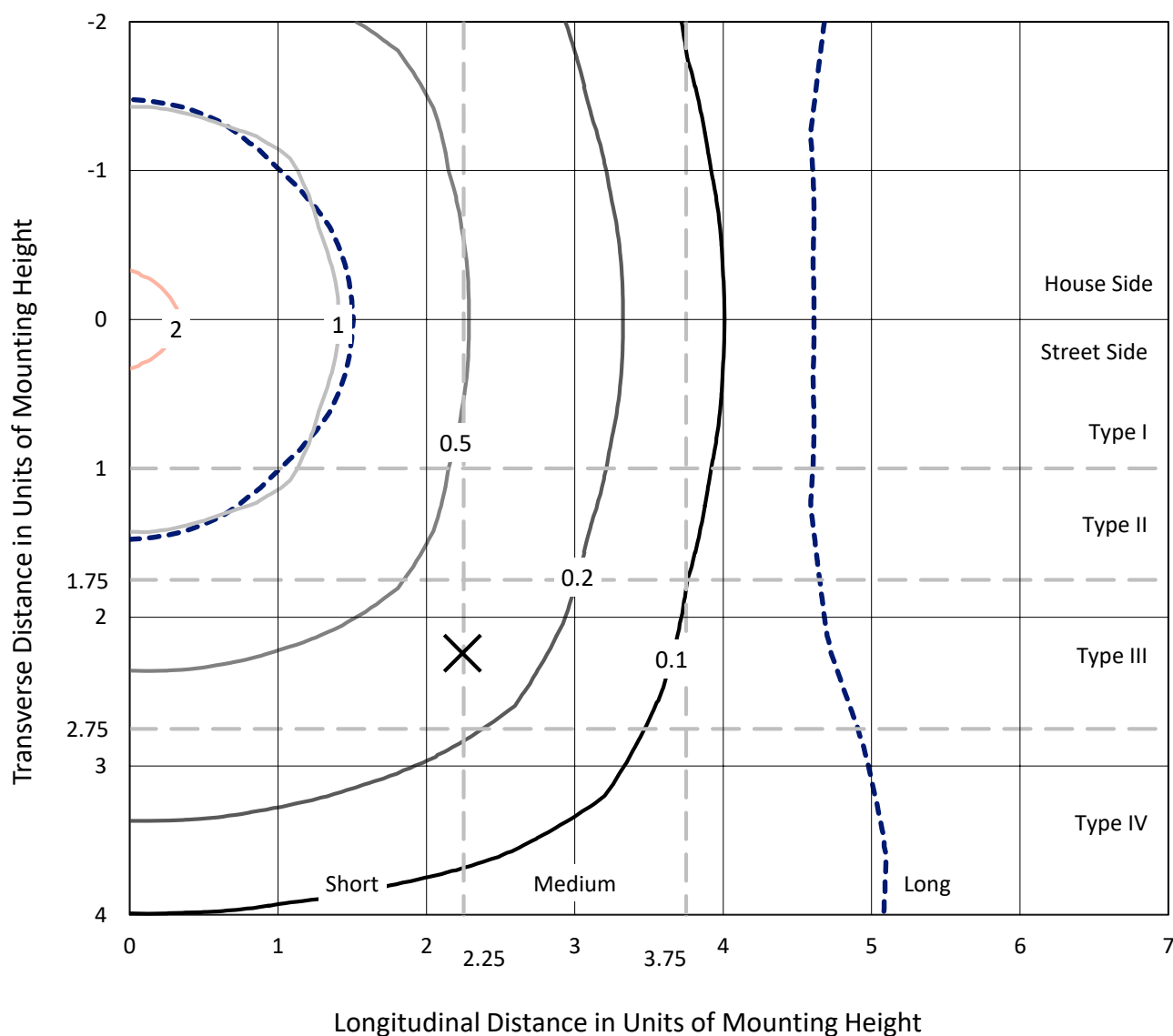


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

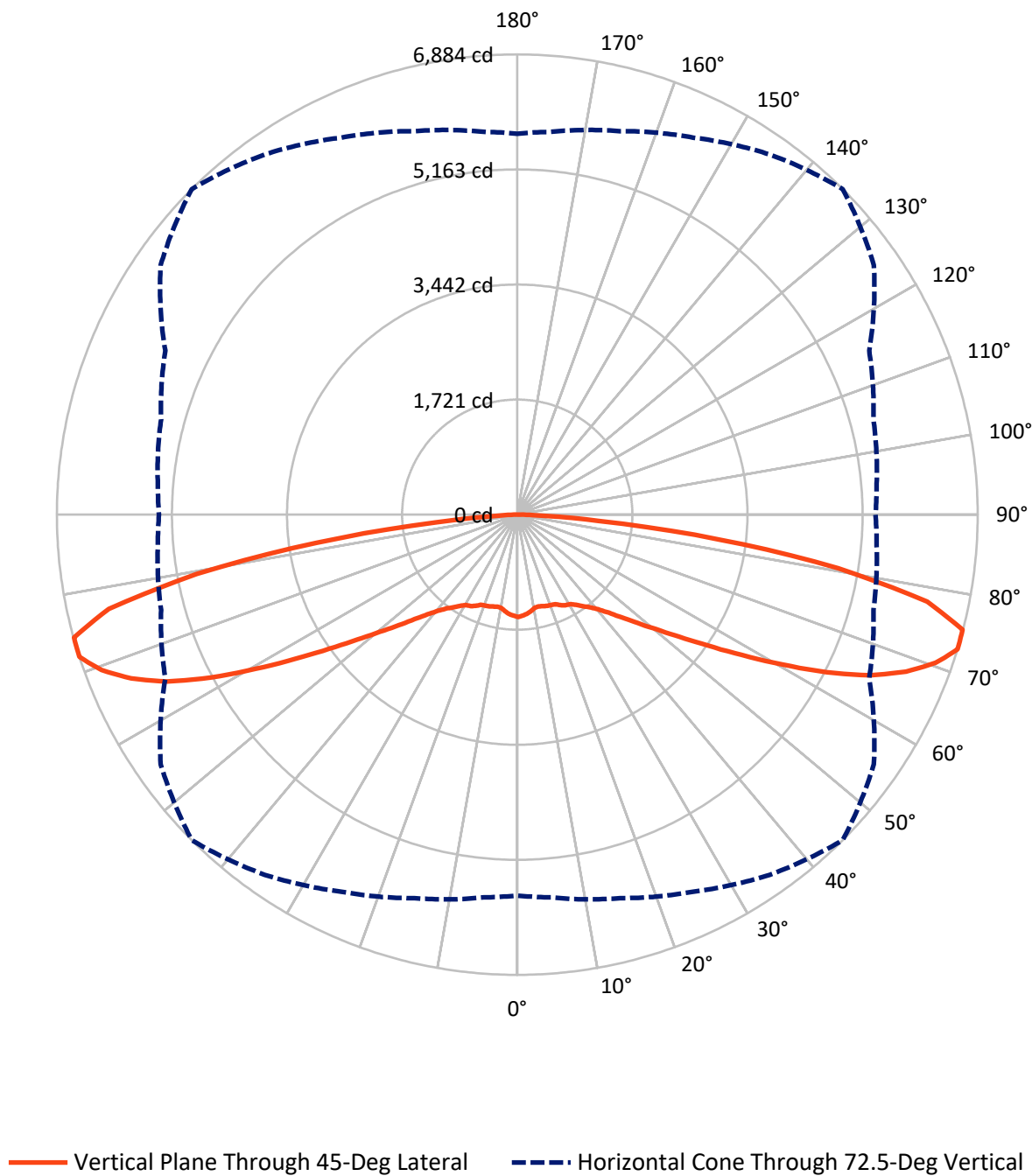


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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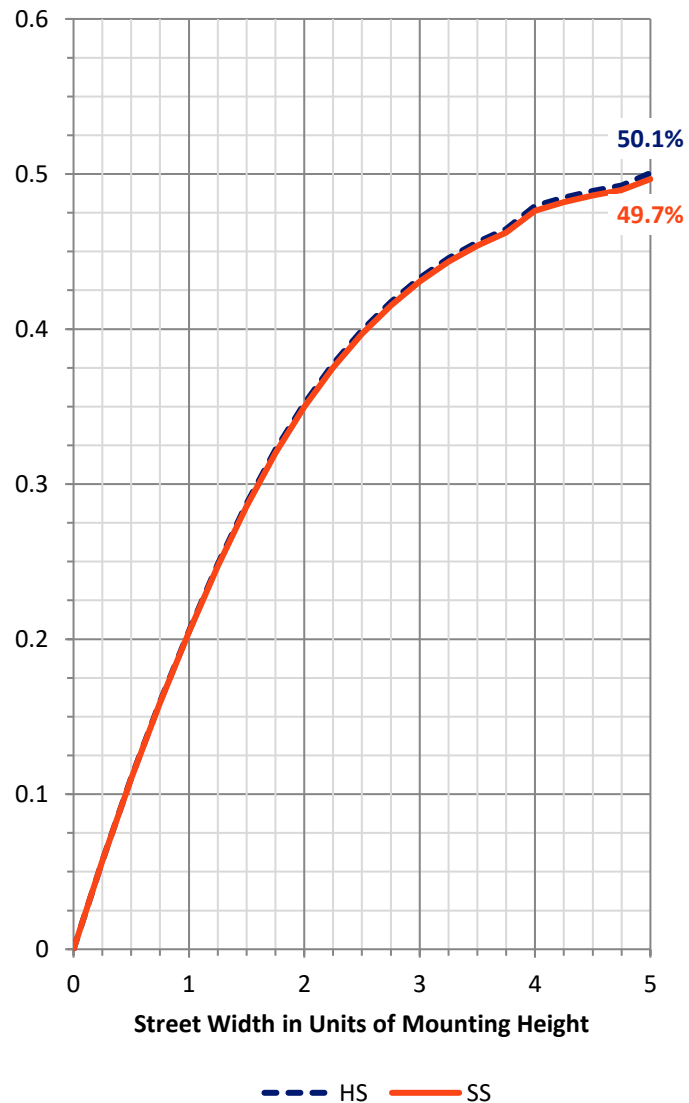
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9258.5	0.0	9258.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9258.5	0.0	9258.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18517.0	0.0	18517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.5	0.8
10°-20°	407.9	2.2
20°-30°	693.0	3.7
30°-40°	1057.0	5.7
40°-50°	1740.5	9.4
50°-60°	3039.5	16.4
60°-70°	5095.7	27.5
70°-80°	5453.5	29.5
80°-90°	889.5	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°	18517.0	100.0
0°-180°	18517.0	100.0

Coefficient of Utilization



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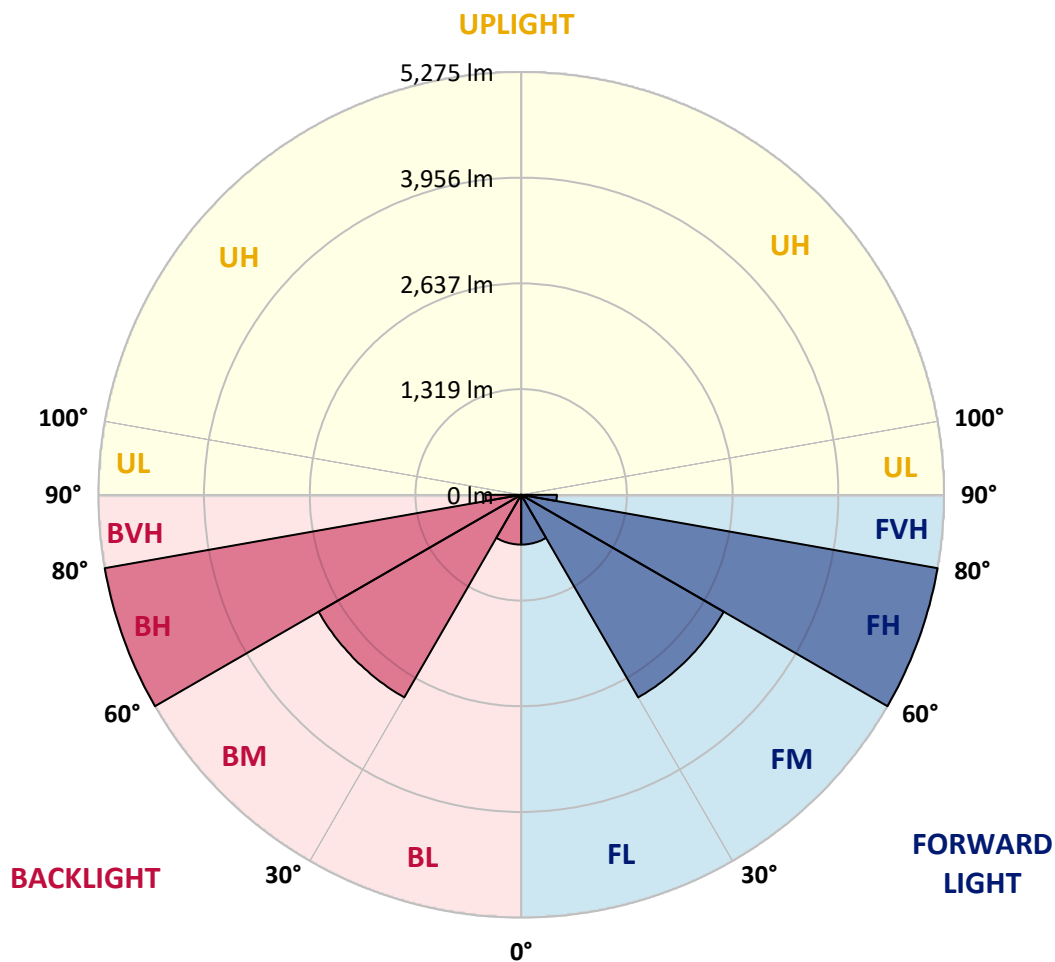
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	620.7	3.4			
FM	(30°-60°)	2918.5	15.8			
FH	(60°-80°)	5274.6	28.5			G3/7500
FVH	(80°-90°)	444.7	2.4			G3/500
BL	(0°-30°)	620.7	3.4	B2/1000		
BM	(30°-60°)	2918.5	15.8	B3/5000		
BH	(60°-80°)	5274.6	28.5	B5		G3/7500
BVH	(80°-90°)	444.7	2.4			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°	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3
2.5°	1522.8	1522.8	1522.8	1520.5	1515.7	1513.4	1508.7	1511.0	1511.0	1511.0	1511.0
5°	1503.9	1503.9	1501.6	1499.2	1494.5	1492.1	1487.4	1492.1	1492.1	1492.1	1492.1
7.5°	1468.5	1470.8	1470.8	1468.5	1461.4	1459.0	1451.9	1454.3	1454.3	1456.6	1454.3
10°	1449.5	1449.5	1447.2	1435.4	1423.5	1418.8	1416.4	1423.5	1430.6	1437.7	1437.7
12.5°	1449.5	1449.5	1444.8	1425.9	1409.3	1409.3	1409.3	1418.8	1433.0	1447.2	1449.5
15°	1456.6	1456.6	1447.2	1425.9	1416.4	1418.8	1418.8	1428.3	1444.8	1463.7	1466.1
17.5°	1461.4	1461.4	1449.5	1428.3	1428.3	1435.4	1430.6	1437.7	1454.3	1475.6	1477.9
20°	1468.5	1468.5	1451.9	1435.4	1435.4	1442.4	1442.4	1449.5	1463.7	1485.0	1487.4
22.5°	1482.6	1480.3	1463.7	1449.5	1449.5	1454.3	1459.0	1468.5	1480.3	1499.2	1503.9
25°	1499.2	1499.2	1485.0	1482.6	1487.4	1499.2	1496.8	1494.5	1499.2	1515.7	1522.8
27.5°	1508.7	1508.7	1499.2	1506.3	1525.2	1534.7	1522.8	1513.4	1513.4	1529.9	1532.3
30°	1539.4	1537.0	1527.6	1532.3	1548.9	1553.6	1546.5	1534.7	1541.8	1560.7	1563.0
32.5°	1591.4	1591.4	1577.2	1577.2	1589.1	1608.0	1584.3	1577.2	1586.7	1608.0	1610.3
35°	1671.8	1671.8	1652.9	1643.4	1652.9	1678.9	1643.4	1641.1	1657.6	1681.3	1683.6
37.5°	1773.5	1773.5	1761.7	1738.0	1740.4	1756.9	1726.2	1723.8	1754.6	1780.6	1780.6
40°	1901.2	1908.3	1896.5	1868.1	1858.6	1861.0	1837.3	1839.7	1875.2	1905.9	1905.9
42.5°	2059.6	2064.4	2045.4	2024.2	2012.3	2005.2	1981.6	1986.3	2028.9	2069.1	2069.1
45°	2251.2	2253.5	2234.6	2208.6	2194.4	2189.7	2166.0	2177.9	2225.1	2267.7	2265.3
47.5°	2466.3	2468.7	2449.8	2423.8	2414.3	2421.4	2397.8	2397.8	2440.3	2475.8	2471.1
50°	2709.9	2714.6	2693.4	2681.5	2674.4	2693.4	2665.0	2639.0	2667.3	2702.8	2698.1
52.5°	2979.5	2991.3	2977.1	2981.8	3007.9	3031.5	2984.2	2927.5	2941.6	2965.3	2958.2
55°	3305.8	3320.0	3324.7	3341.3	3409.8	3450.0	3372.0	3277.4	3270.3	3272.7	3260.9
57.5°	3672.3	3681.8	3712.5	3750.4	3892.2	3956.1	3833.1	3670.0	3617.9	3587.2	3580.1
60°	4041.2	4057.8	4133.4	4211.5	4429.0	4544.9	4355.7	4081.4	3970.3	3913.5	3901.7
62.5°	4412.5	4445.6	4568.5	4701.0	5017.8	5190.4	4899.6	4502.3	4341.5	4270.6	4251.7
65°	4842.8	4883.0	5032.0	5199.9	5552.2	5795.8	5443.5	4937.4	4764.8	4670.2	4646.6
67.5°	5346.5	5389.1	5509.7	5696.5	6029.9	6268.7	5956.6	5382.0	5157.3	5036.7	5017.8
70°	5760.3	5798.2	5928.2	6117.4	6365.7	6637.6	6339.7	5736.7	5533.3	5448.2	5436.4
72.5°	5696.5	5746.1	5937.7	6221.4	6576.1	6883.5	6507.6	5805.3	5512.0	5393.8	5356.0
75°	4975.3	5029.6	5256.6	5769.8	6417.7	6876.4	6264.0	5348.9	5003.6	4904.3	4885.4
77.5°	3294.0	3346.0	3729.1	4537.8	5604.3	6266.4	5528.6	4481.0	3925.3	3686.5	3672.3
80°	1331.3	1397.5	1764.0	2622.4	3972.6	4871.2	4100.3	2868.3	1934.3	1560.7	1485.0
82.5°	309.8	368.9	536.8	967.1	2033.6	3033.9	2211.0	1071.2	621.9	442.2	397.3
85°	130.1	132.4	229.4	314.5	636.1	1224.9	723.6	390.2	316.9	231.7	227.0
87.5°	49.7	52.0	111.1	132.4	203.4	231.7	245.9	201.0	186.8	115.9	111.1
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)