

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: P157581

Luminaire Tested: **VST-E06-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157581
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-E06-LED-E-U-5WQ-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19439.5 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B5 - U0 - G3

Input Watts (W): 150.5
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

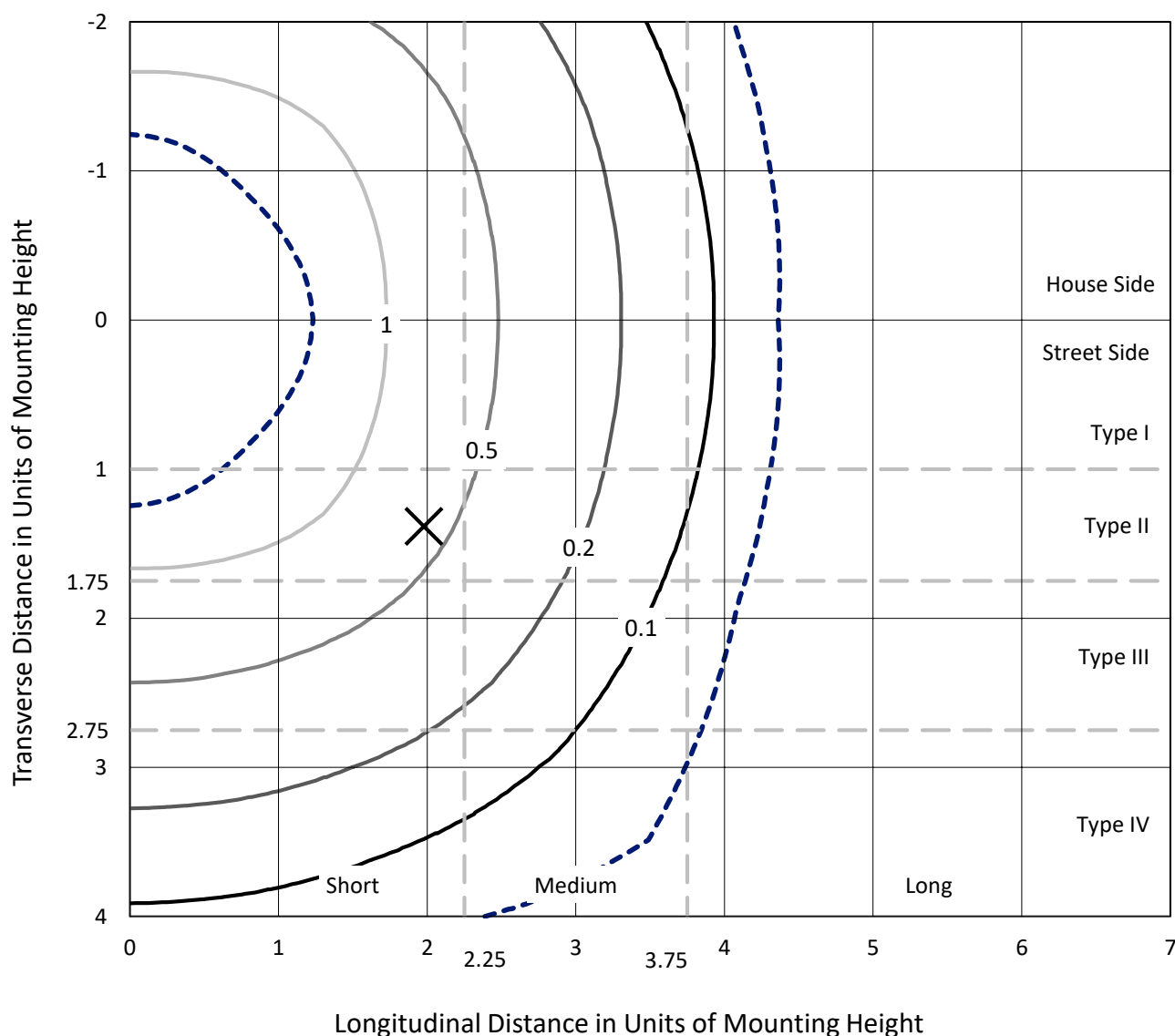


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

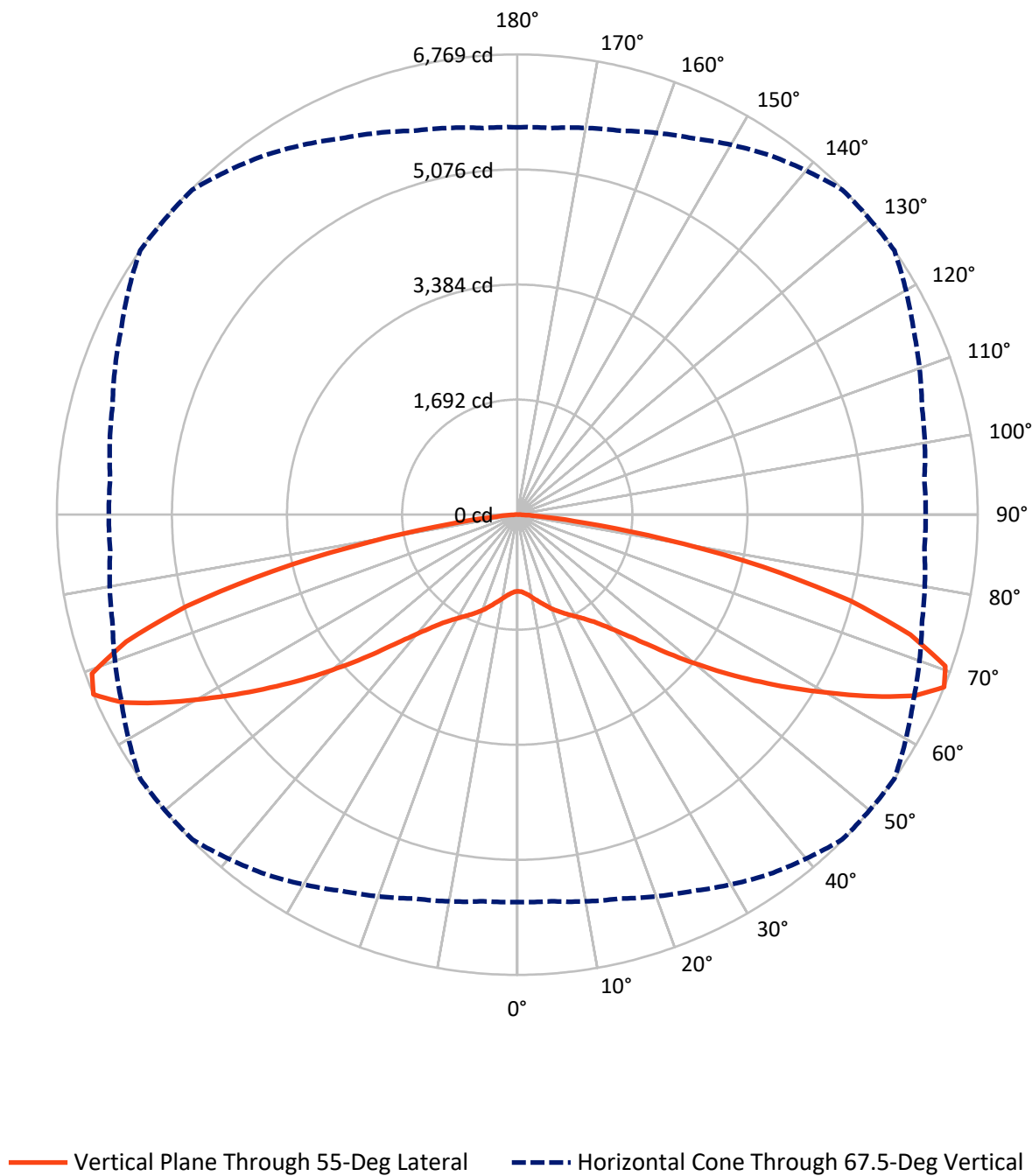


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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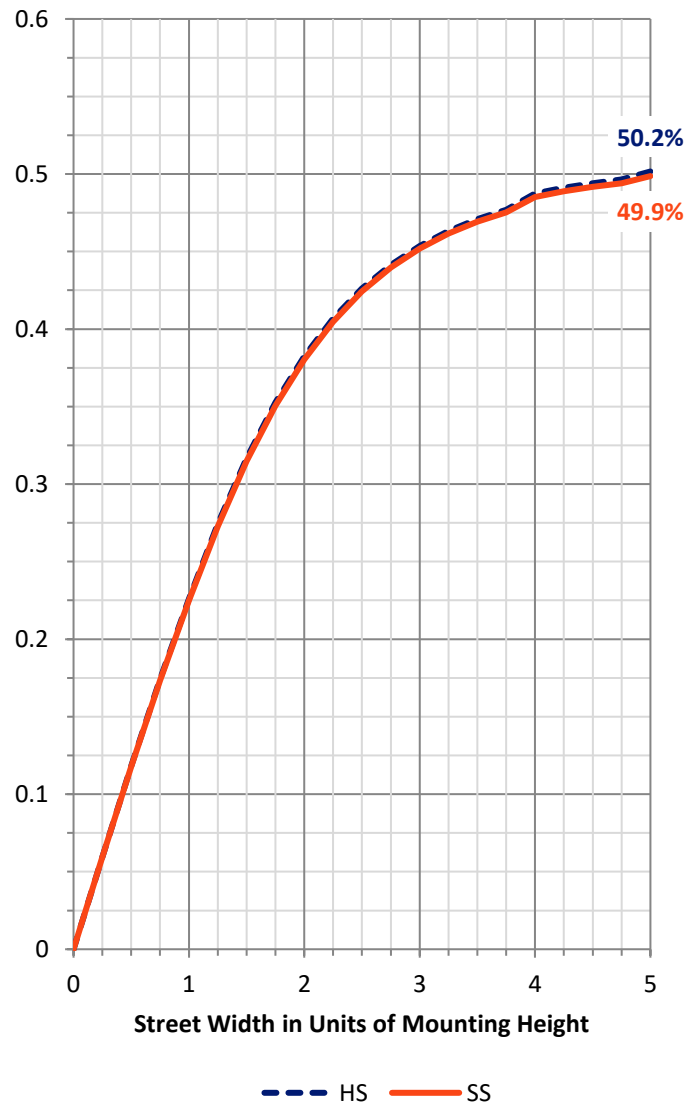
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9719.8	0.0	9719.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9719.8	0.0	9719.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	19439.5	0.0	19439.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	0.6
10°-20°	386.8	2.0
20°-30°	743.7	3.8
30°-40°	1218.3	6.3
40°-50°	2118.0	10.9
50°-60°	3780.4	19.4
60°-70°	5836.7	30.0
70°-80°	4724.8	24.3
80°-90°	517.6	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°	19439.5	100.0
0°-180°	19439.5	100.0

Coefficient of Utilization



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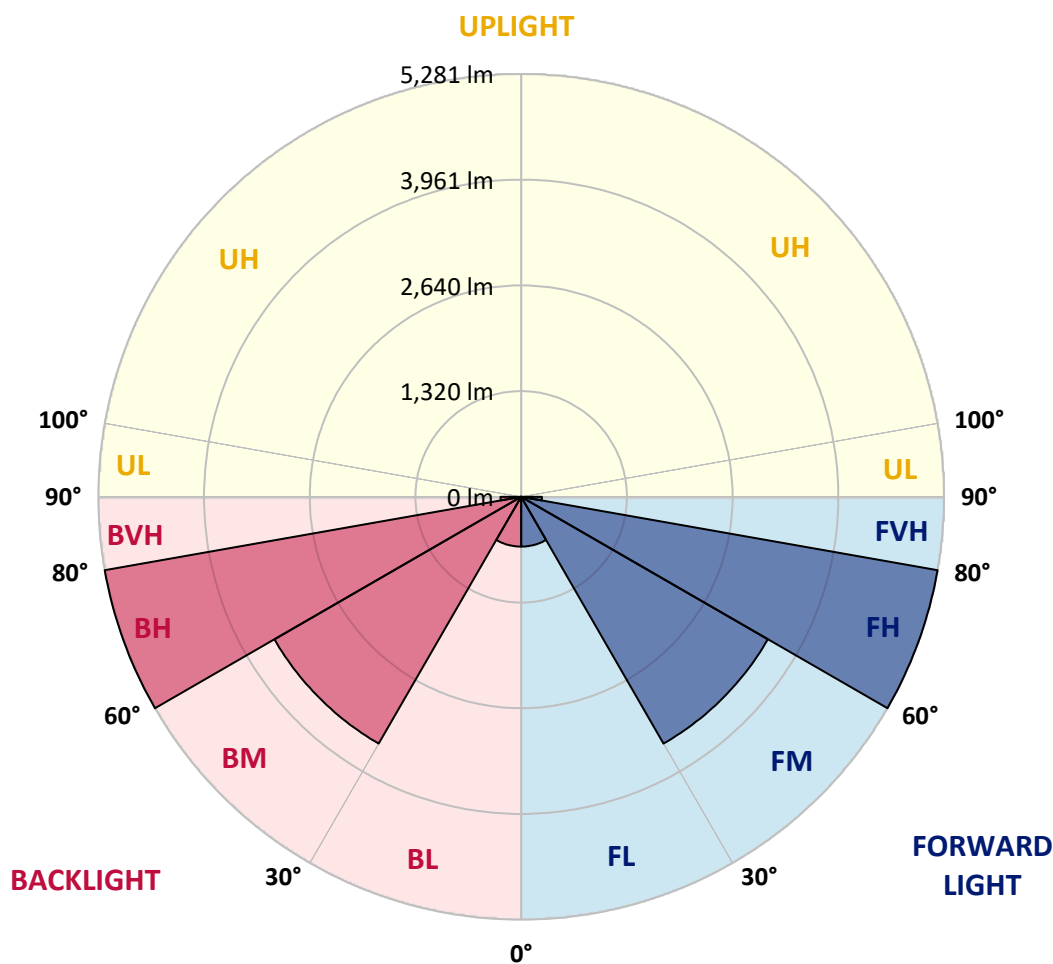
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	621.9	3.2			
FM	(30°-60°)	3558.3	18.3			
FH	(60°-80°)	5280.8	27.2			G3/7500
FVH	(80°-90°)	258.8	1.3			G3/500
BL	(0°-30°)	621.9	3.2	B2/1000		
BM	(30°-60°)	3558.3	18.3	B3/5000		
BH	(60°-80°)	5280.8	27.2	B5		G3/7500
BVH	(80°-90°)	258.8	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°	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9	1127.9
2.5°	1135.3	1136.5	1135.3	1135.3	1134.1	1134.1	1134.1	1135.3	1135.3	1137.7	1136.5
5°	1158.7	1159.9	1157.4	1159.9	1159.9	1161.1	1159.9	1158.7	1159.9	1161.1	1157.4
7.5°	1191.9	1194.4	1193.2	1194.4	1195.6	1194.4	1194.4	1193.2	1195.6	1194.4	1191.9
10°	1235.0	1237.5	1236.3	1238.7	1239.9	1241.2	1241.2	1238.7	1237.5	1237.5	1236.3
12.5°	1286.7	1286.7	1286.7	1290.4	1292.9	1295.4	1294.1	1291.7	1288.0	1289.2	1284.3
15°	1343.4	1345.8	1345.8	1347.1	1353.2	1354.5	1353.2	1349.5	1348.3	1345.8	1343.4
17.5°	1406.2	1407.4	1408.6	1409.9	1417.3	1421.0	1416.0	1409.9	1409.9	1408.6	1408.6
20°	1471.4	1470.2	1472.7	1475.1	1480.1	1483.7	1482.5	1476.4	1471.4	1475.1	1473.9
22.5°	1531.8	1533.0	1534.2	1537.9	1546.5	1547.8	1544.1	1539.2	1533.0	1534.2	1534.2
25°	1588.4	1589.6	1592.1	1597.0	1606.9	1613.0	1608.1	1600.7	1592.1	1592.1	1593.3
27.5°	1646.3	1647.5	1648.7	1657.4	1669.7	1677.1	1673.4	1661.1	1651.2	1648.7	1645.1
30°	1710.3	1710.3	1712.8	1723.9	1739.9	1748.5	1743.6	1728.8	1714.0	1711.5	1711.5
32.5°	1791.6	1786.7	1790.3	1805.1	1822.4	1832.2	1828.5	1811.3	1792.8	1789.1	1789.1
35°	1888.9	1886.4	1888.9	1906.1	1927.0	1941.8	1933.2	1917.2	1897.5	1893.8	1891.3
37.5°	2004.6	2005.8	2013.2	2032.9	2061.2	2079.7	2071.1	2045.2	2021.8	2021.8	2021.8
40°	2151.1	2153.6	2168.4	2197.9	2238.6	2254.6	2244.7	2212.7	2185.6	2175.8	2178.2
42.5°	2350.6	2349.4	2372.8	2409.7	2457.7	2481.1	2465.1	2430.6	2391.2	2375.2	2376.5
45°	2585.8	2603.0	2627.7	2674.4	2734.8	2775.4	2747.1	2708.9	2649.8	2626.4	2625.2
47.5°	2870.2	2888.7	2919.5	2997.0	3069.7	3119.0	3096.8	3034.0	2949.0	2915.8	2903.5
50°	3194.1	3217.5	3256.9	3356.6	3460.0	3515.4	3476.0	3393.5	3302.4	3251.9	3239.6
52.5°	3558.5	3565.9	3625.0	3745.7	3873.8	3941.5	3897.1	3798.6	3681.7	3634.9	3600.4
55°	3962.4	3968.6	4036.3	4173.0	4318.3	4398.3	4341.7	4217.3	4108.9	4027.7	4035.1
57.5°	4336.7	4355.2	4454.9	4615.0	4786.2	4883.4	4821.9	4690.1	4576.8	4484.5	4495.6
60°	4736.9	4756.6	4861.3	5052.1	5283.6	5412.9	5332.9	5191.3	5074.3	4986.9	4975.8
62.5°	5161.7	5172.8	5287.3	5458.5	5754.0	5962.1	5885.7	5729.4	5592.7	5506.5	5497.9
65°	5554.5	5569.3	5666.6	5853.7	6157.9	6462.0	6418.9	6202.2	6017.5	5893.1	5875.9
67.5°	5697.3	5707.2	5843.9	6106.1	6455.8	6756.3	6768.6	6427.5	6159.1	6007.6	6003.9
70°	5529.9	5537.3	5712.1	6023.6	6469.4	6719.3	6675.0	6332.7	6002.7	5816.8	5798.3
72.5°	5154.3	5155.6	5315.6	5580.4	6027.3	6231.7	6043.4	5855.0	5513.9	5374.7	5337.8
75°	4470.9	4472.2	4583.0	4759.1	5078.0	5266.4	5052.1	4879.7	4679.0	4596.5	4553.4
77.5°	3074.6	3093.1	3207.6	3410.8	3760.5	3968.6	3687.8	3375.1	3253.2	3183.0	3141.1
80°	1480.1	1508.4	1640.1	1840.8	2206.5	2539.0	2193.0	1807.6	1569.9	1376.6	1411.1
82.5°	395.3	400.2	513.5	737.6	1028.2	1206.7	980.1	685.8	432.2	290.6	266.0
85°	104.7	110.8	155.1	213.0	323.8	412.5	315.2	200.7	152.7	113.3	103.4
87.5°	28.3	33.2	54.2	65.3	81.3	65.3	81.3	70.2	67.7	35.7	25.9
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)