

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: P157603

Luminaire Tested: **VST-F08-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157603
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-F08-LED-E-U-5WQ-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (56) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17599.5 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 204.4
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



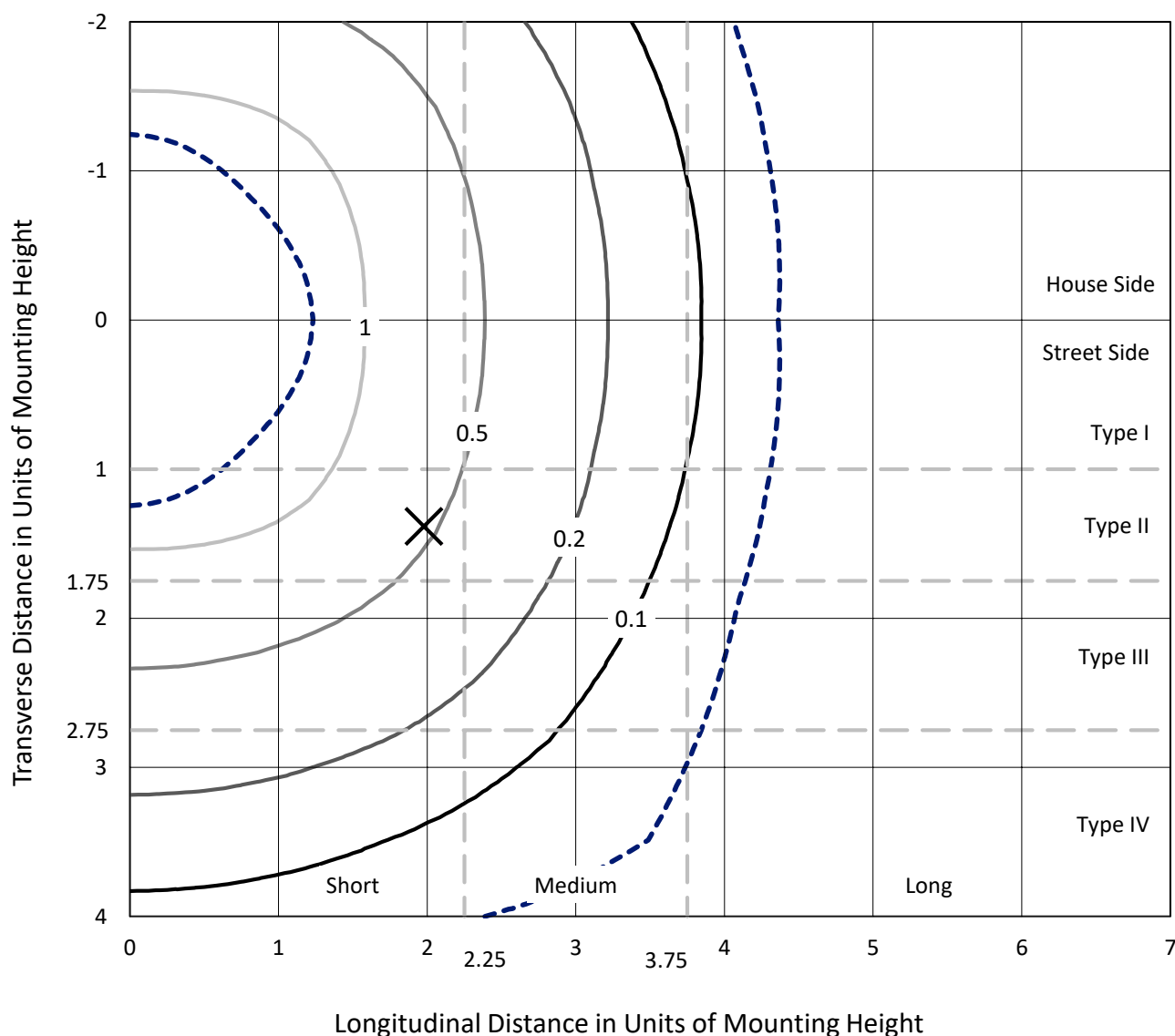
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

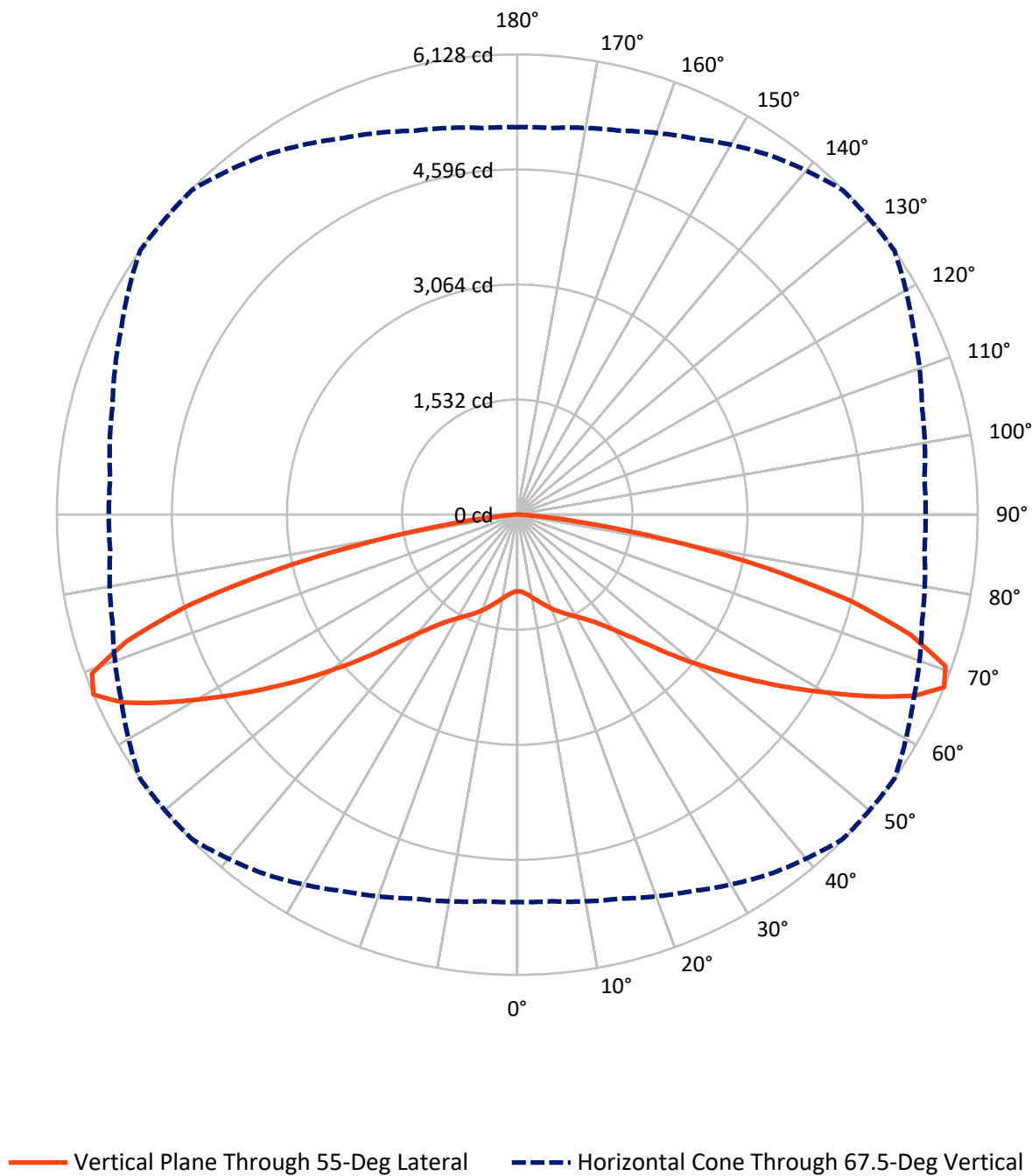


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
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Luminous Intensity Polar Plot



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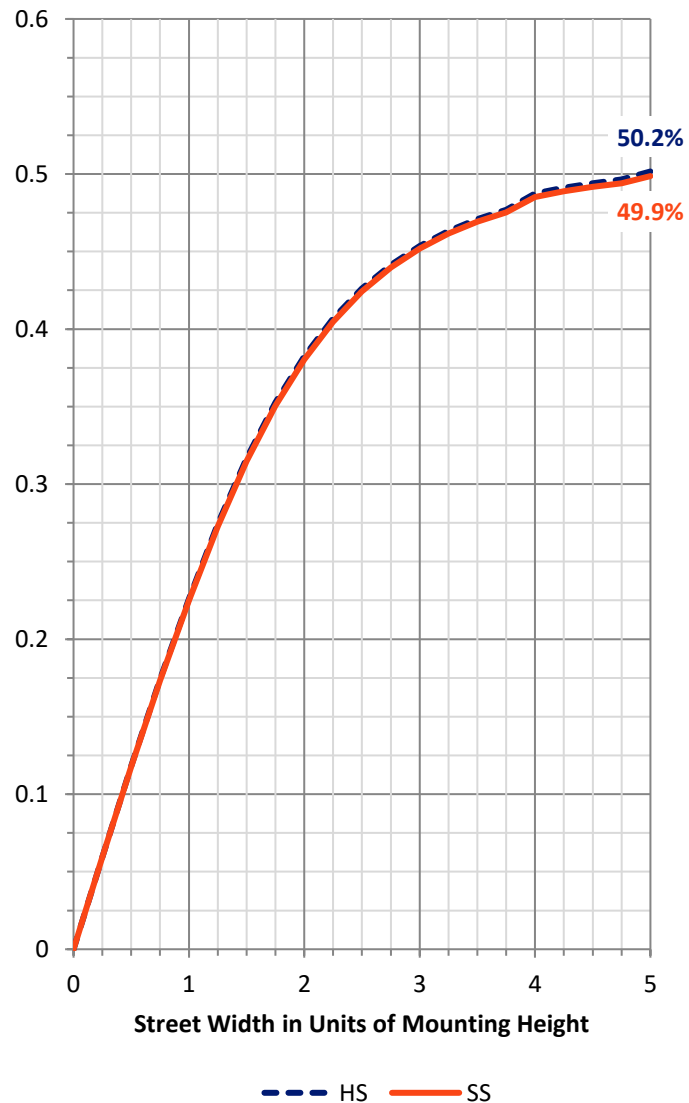
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8799.8	0.0	8799.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8799.8	0.0	8799.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	17599.5	0.0	17599.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	0.6
10°-20°	350.2	2.0
20°-30°	673.3	3.8
30°-40°	1103.0	6.3
40°-50°	1917.5	10.9
50°-60°	3422.6	19.4
60°-70°	5284.3	30.0
70°-80°	4277.6	24.3
80°-90°	468.6	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°	17599.5	100.0
0°-180°	17599.5	100.0

Coefficient of Utilization



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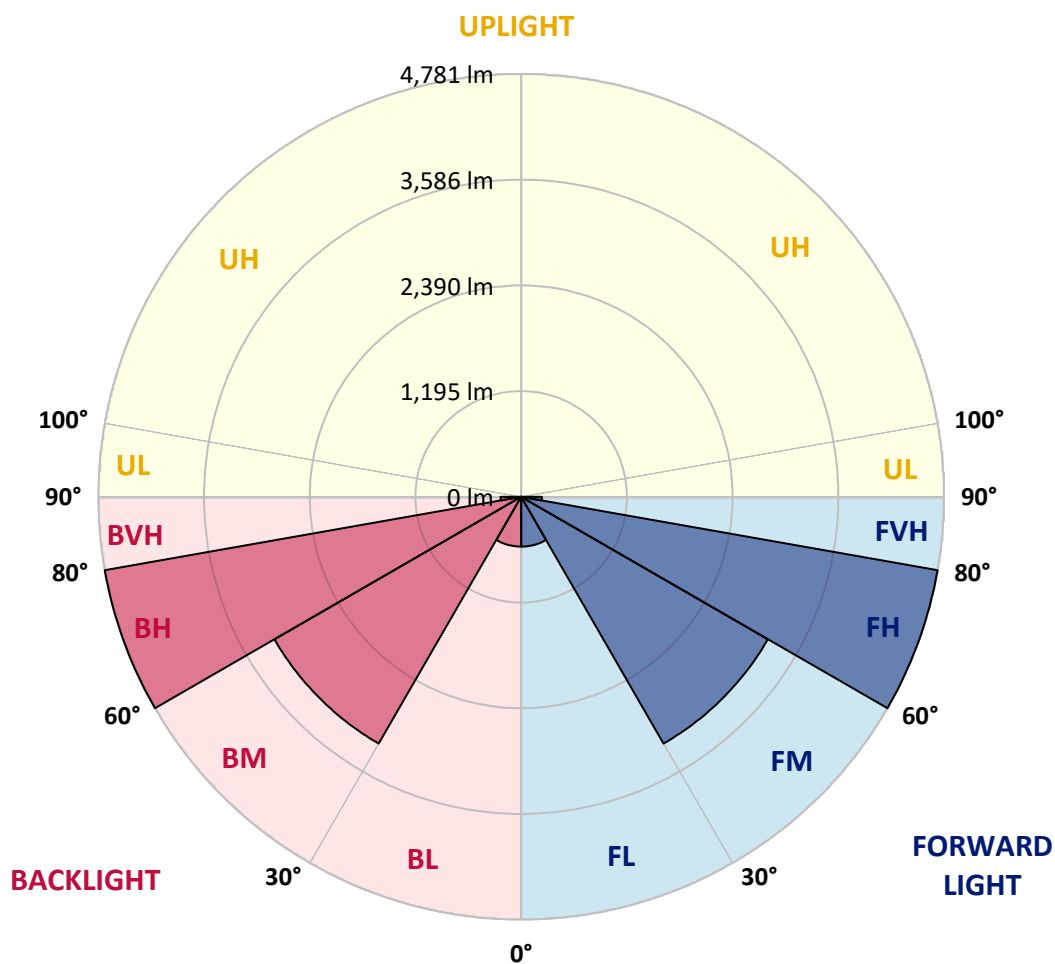
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	563.0	3.2			
FM	(30°-60°)	3221.5	18.3			
FH	(60°-80°)	4780.9	27.2			G2/5000
FVH	(80°-90°)	234.3	1.3			G3/500
BL	(0°-30°)	563.0	3.2	B2/1000		
BM	(30°-60°)	3221.5	18.3	B3/5000		
BH	(60°-80°)	4780.9	27.2	B4/5000		G2/5000
BVH	(80°-90°)	234.3	1.3			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1	1021.1
2.5°	1027.8	1028.9	1027.8	1027.8	1026.7	1026.7	1026.7	1027.8	1027.8	1030.1	1028.9
5°	1049.0	1050.1	1047.9	1050.1	1050.1	1051.2	1050.1	1049.0	1050.1	1051.2	1047.9
7.5°	1079.1	1081.3	1080.2	1081.3	1082.4	1081.3	1081.3	1080.2	1082.4	1081.3	1079.1
10°	1118.1	1120.4	1119.2	1121.5	1122.6	1123.7	1123.7	1121.5	1120.4	1120.4	1119.2
12.5°	1164.9	1164.9	1164.9	1168.3	1170.5	1172.7	1171.6	1169.4	1166.1	1167.2	1162.7
15°	1216.2	1218.5	1218.5	1219.6	1225.1	1226.3	1225.1	1221.8	1220.7	1218.5	1216.2
17.5°	1273.1	1274.2	1275.3	1276.4	1283.1	1286.5	1282.0	1276.4	1276.4	1275.3	1275.3
20°	1332.2	1331.0	1333.3	1335.5	1340.0	1343.3	1342.2	1336.6	1332.2	1335.5	1334.4
22.5°	1386.8	1387.9	1389.0	1392.4	1400.2	1401.3	1397.9	1393.5	1387.9	1389.0	1389.0
25°	1438.1	1439.2	1441.4	1445.9	1454.8	1460.4	1455.9	1449.2	1441.4	1441.4	1442.5
27.5°	1490.5	1491.6	1492.7	1500.5	1511.6	1518.3	1515.0	1503.8	1494.9	1492.7	1489.3
30°	1548.4	1548.4	1550.7	1560.7	1575.2	1583.0	1578.5	1565.1	1551.8	1549.5	1549.5
32.5°	1622.0	1617.5	1620.9	1634.3	1649.9	1658.8	1655.4	1639.8	1623.1	1619.8	1619.8
35°	1710.1	1707.8	1710.1	1725.7	1744.6	1758.0	1750.2	1735.7	1717.9	1714.5	1712.3
37.5°	1814.9	1816.0	1822.7	1840.5	1866.1	1882.9	1875.1	1851.6	1830.5	1830.5	1830.5
40°	1947.5	1949.7	1963.1	1989.9	2026.7	2041.2	2032.2	2003.3	1978.7	1969.8	1972.0
42.5°	2128.1	2127.0	2148.2	2181.6	2225.1	2246.3	2231.8	2200.6	2164.9	2150.4	2151.5
45°	2341.0	2356.6	2378.9	2421.3	2475.9	2512.7	2487.1	2452.5	2399.0	2377.8	2376.7
47.5°	2598.5	2615.3	2643.1	2713.4	2779.1	2823.7	2803.7	2746.8	2669.9	2639.8	2628.6
50°	2891.7	2912.9	2948.6	3038.9	3132.5	3182.7	3147.0	3072.3	2989.8	2944.1	2933.0
52.5°	3221.7	3228.4	3281.9	3391.2	3507.1	3568.4	3528.3	3439.1	3333.2	3290.8	3259.6
55°	3587.4	3592.9	3654.2	3778.0	3909.5	3982.0	3930.7	3818.1	3720.0	3646.4	3653.1
57.5°	3926.2	3943.0	4033.3	4178.2	4333.1	4421.2	4365.5	4246.2	4143.6	4060.0	4070.1
60°	4288.5	4306.4	4401.1	4573.9	4783.5	4900.6	4828.1	4699.9	4594.0	4514.8	4504.8
62.5°	4673.1	4683.2	4786.9	4941.8	5209.4	5397.7	5328.6	5187.1	5063.3	4985.3	4977.5
65°	5028.8	5042.1	5130.2	5299.6	5575.0	5850.3	5811.3	5615.1	5447.9	5335.3	5319.7
67.5°	5158.1	5167.0	5290.7	5528.2	5844.8	6116.8	6127.9	5819.1	5576.1	5439.0	5435.7
70°	5006.5	5013.2	5171.4	5453.5	5857.0	6083.3	6043.2	5733.3	5434.5	5266.2	5249.5
72.5°	4666.5	4667.6	4812.5	5052.2	5456.8	5641.9	5471.3	5300.8	4992.0	4866.0	4832.6
75°	4047.8	4048.9	4149.2	4308.6	4597.3	4767.9	4573.9	4417.9	4236.2	4161.5	4122.4
77.5°	2783.6	2800.3	2904.0	3087.9	3404.5	3592.9	3338.8	3055.6	2945.2	2881.7	2843.8
80°	1340.0	1365.6	1484.9	1666.6	1997.7	2298.7	1985.4	1636.5	1421.3	1246.3	1277.5
82.5°	357.8	362.3	464.9	667.8	930.8	1092.5	887.4	620.9	391.3	263.1	240.8
85°	94.8	100.3	140.5	192.9	293.2	373.5	285.4	181.7	138.2	102.6	93.6
87.5°	25.6	30.1	49.1	59.1	73.6	59.1	73.6	63.5	61.3	32.3	23.4
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)