

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: P157578

Luminaire Tested: **VST-E06-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157578
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-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15989.4 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

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



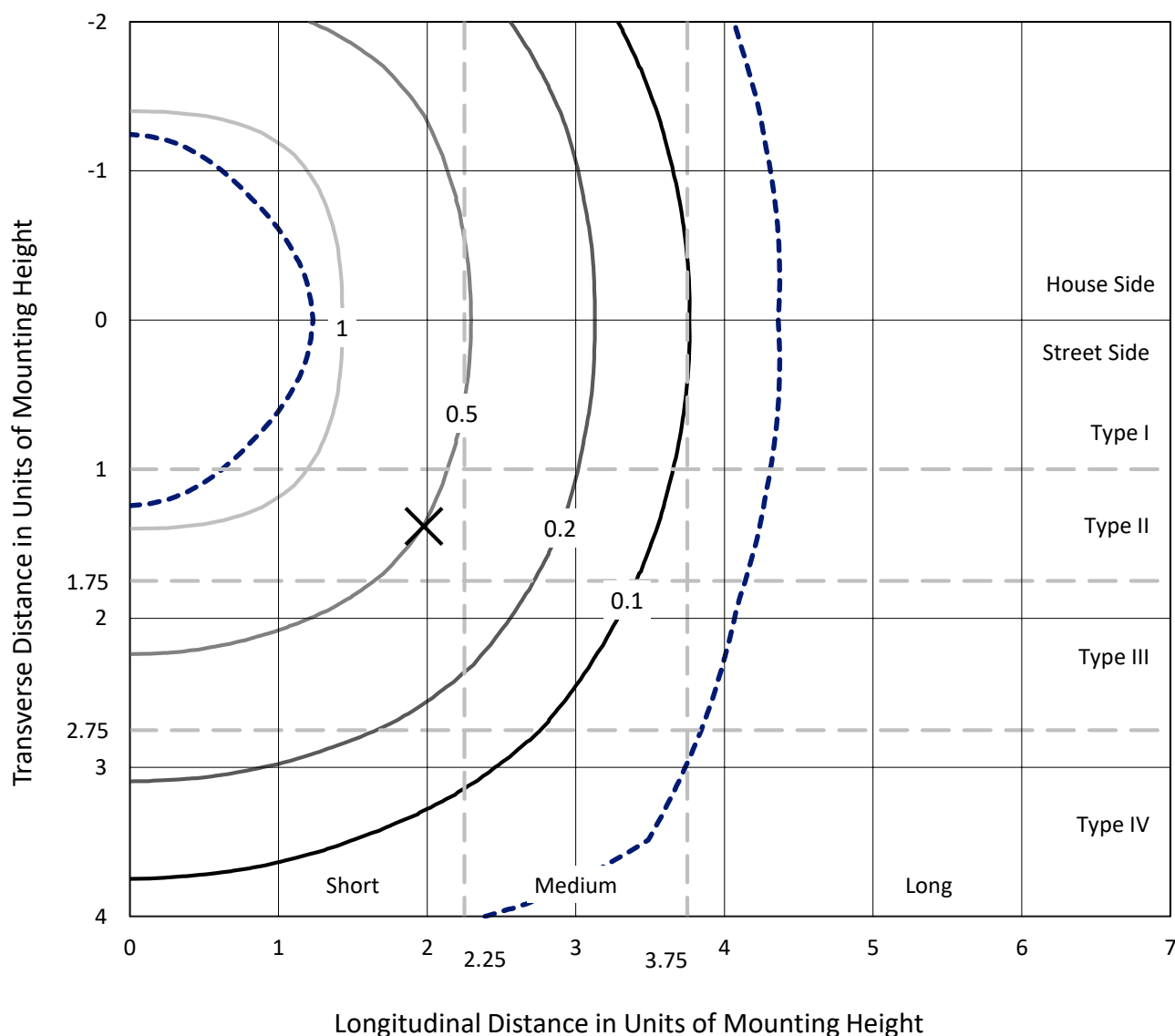
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

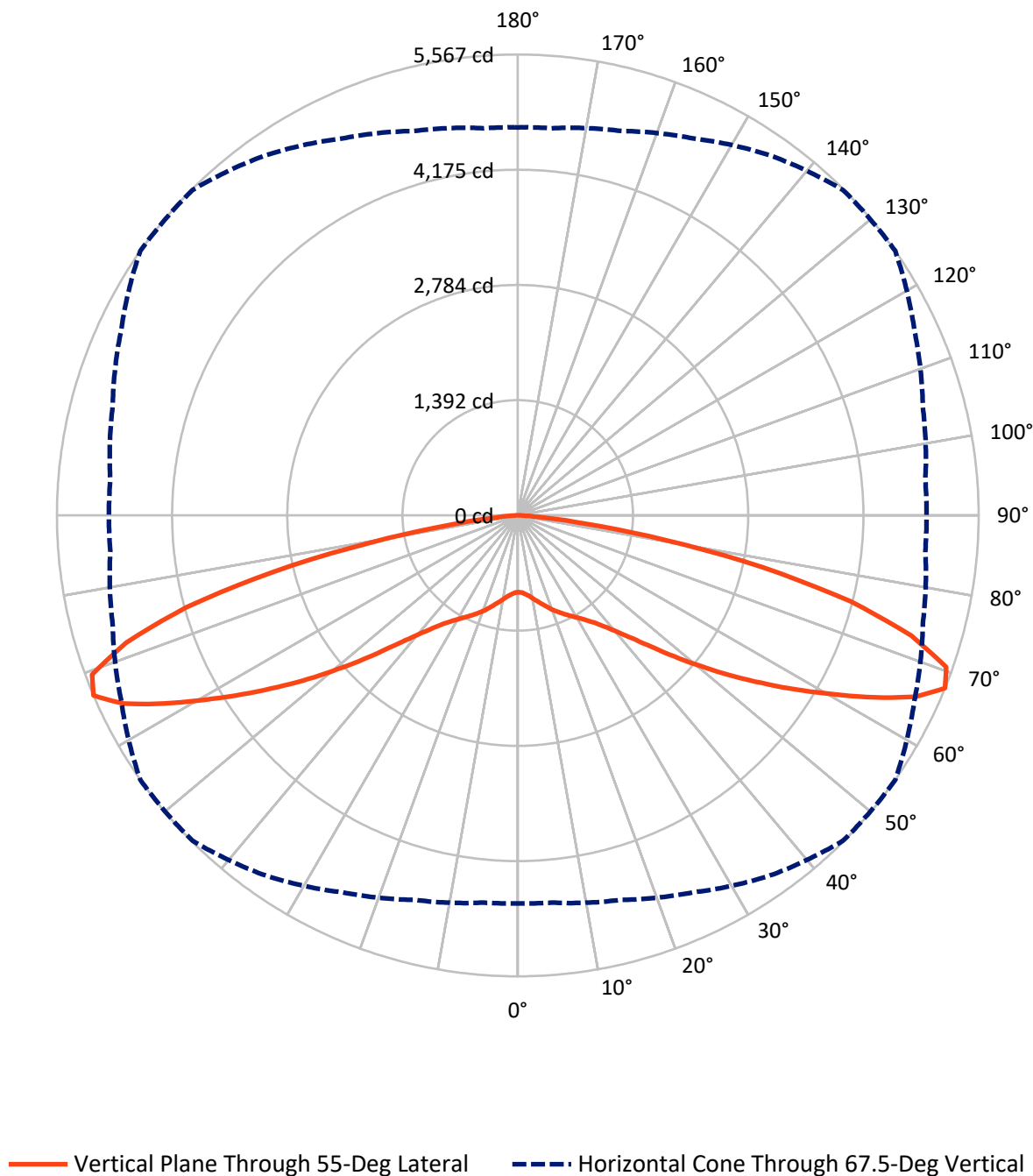


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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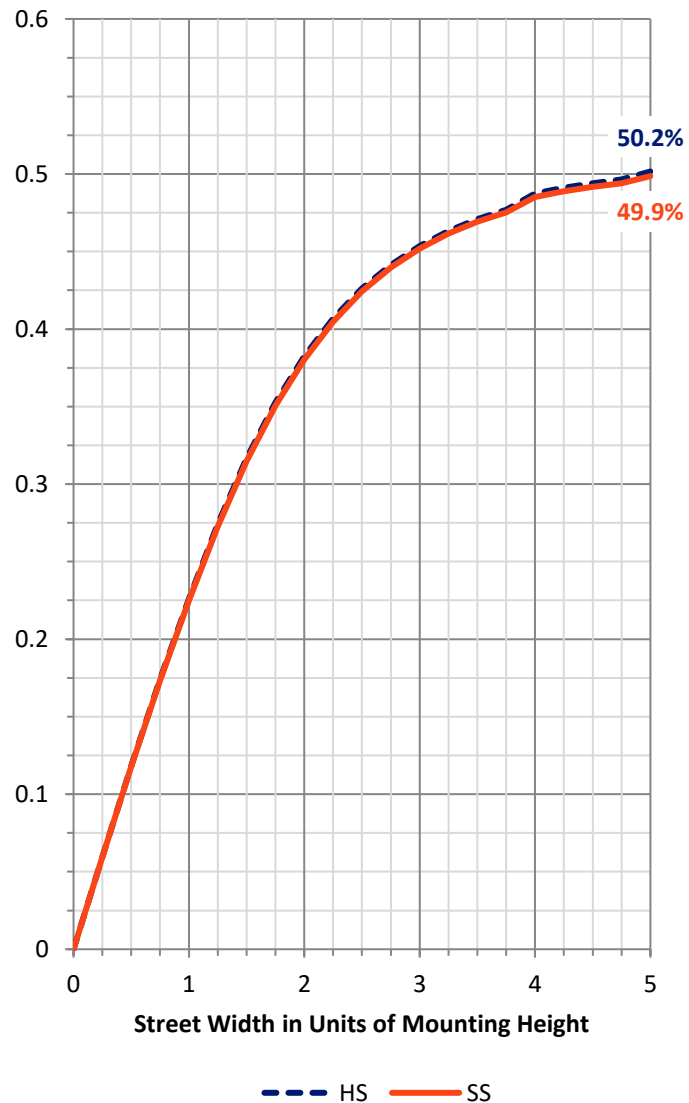
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7994.7	0.0	7994.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7994.7	0.0	7994.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	15989.4	0.0	15989.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	0.6
10°-20°	318.1	2.0
20°-30°	611.7	3.8
30°-40°	1002.1	6.3
40°-50°	1742.1	10.9
50°-60°	3109.5	19.4
60°-70°	4800.8	30.0
70°-80°	3886.3	24.3
80°-90°	425.7	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°	15989.4	100.0
0°-180°	15989.4	100.0

Coefficient of Utilization



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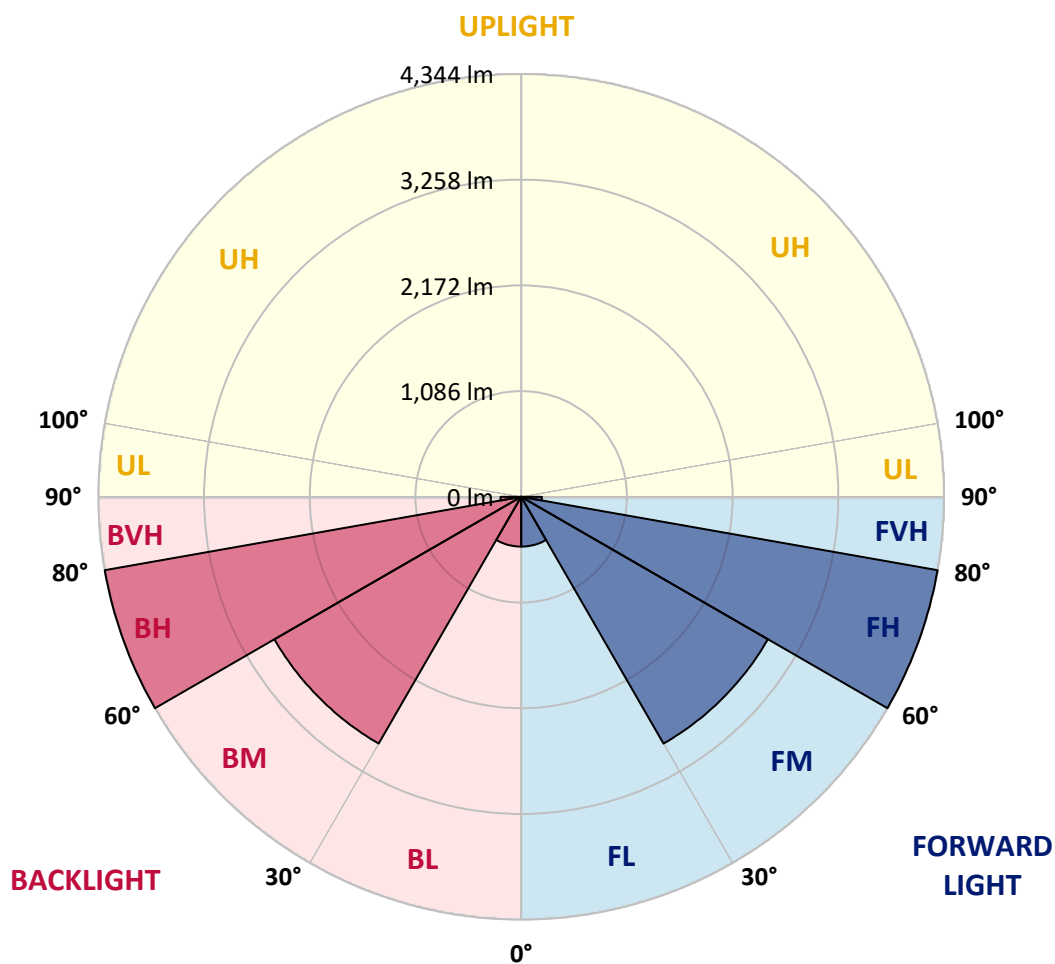
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	511.5	3.2			
FM	(30°-60°)	2926.8	18.3			
FH	(60°-80°)	4343.5	27.2			G2/5000
FVH	(80°-90°)	212.9	1.3			G2/225
BL	(0°-30°)	511.5	3.2	B2/1000		
BM	(30°-60°)	2926.8	18.3	B3/5000		
BH	(60°-80°)	4343.5	27.2	B4/5000		G2/5000
BVH	(80°-90°)	212.9	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7
2.5°	933.8	934.8	933.8	933.8	932.8	932.8	932.8	933.8	933.8	935.8	934.8
5°	953.0	954.0	952.0	954.0	954.0	955.1	954.0	953.0	954.0	955.1	952.0
7.5°	980.4	982.4	981.4	982.4	983.4	982.4	982.4	981.4	983.4	982.4	980.4
10°	1015.8	1017.9	1016.8	1018.9	1019.9	1020.9	1020.9	1018.9	1017.9	1017.9	1016.8
12.5°	1058.4	1058.4	1058.4	1061.4	1063.4	1065.5	1064.4	1062.4	1059.4	1060.4	1056.3
15°	1105.0	1107.0	1107.0	1108.0	1113.1	1114.1	1113.1	1110.0	1109.0	1107.0	1105.0
17.5°	1156.6	1157.6	1158.6	1159.6	1165.7	1168.8	1164.7	1159.6	1159.6	1158.6	1158.6
20°	1210.3	1209.3	1211.3	1213.3	1217.4	1220.4	1219.4	1214.3	1210.3	1213.3	1212.3
22.5°	1259.9	1260.9	1261.9	1265.0	1272.1	1273.1	1270.0	1266.0	1260.9	1261.9	1261.9
25°	1306.5	1307.5	1309.5	1313.6	1321.7	1326.8	1322.7	1316.6	1309.5	1309.5	1310.5
27.5°	1354.1	1355.1	1356.1	1363.2	1373.3	1379.4	1376.4	1366.3	1358.2	1356.1	1353.1
30°	1406.8	1406.8	1408.8	1417.9	1431.1	1438.2	1434.1	1422.0	1409.8	1407.8	1407.8
32.5°	1473.6	1469.6	1472.6	1484.7	1498.9	1507.0	1504.0	1489.8	1474.6	1471.6	1471.6
35°	1553.6	1551.6	1553.6	1567.8	1585.0	1597.2	1590.1	1576.9	1560.7	1557.7	1555.6
37.5°	1648.8	1649.8	1655.9	1672.1	1695.4	1710.6	1703.5	1682.2	1663.0	1663.0	1663.0
40°	1769.3	1771.4	1783.5	1807.8	1841.3	1854.4	1846.3	1820.0	1797.7	1789.6	1791.6
42.5°	1933.4	1932.4	1951.6	1982.0	2021.5	2040.8	2027.6	1999.2	1966.8	1953.7	1954.7
45°	2126.9	2141.0	2161.3	2199.8	2249.4	2282.8	2259.5	2228.1	2179.5	2160.3	2159.3
47.5°	2360.8	2376.0	2401.3	2465.1	2524.9	2565.4	2547.2	2495.5	2425.6	2398.3	2388.2
50°	2627.2	2646.4	2678.8	2760.9	2845.9	2891.5	2859.1	2791.2	2716.3	2674.8	2664.6
52.5°	2927.0	2933.0	2981.7	3080.9	3186.2	3241.9	3205.5	3124.5	3028.2	2989.8	2961.4
55°	3259.2	3264.2	3319.9	3432.3	3551.9	3617.7	3571.1	3468.8	3379.7	3312.8	3318.9
57.5°	3567.0	3582.2	3664.3	3795.9	3936.7	4016.7	3966.1	3857.7	3764.5	3688.6	3697.7
60°	3896.2	3912.4	3998.5	4155.5	4345.9	4452.2	4386.4	4269.9	4173.7	4101.8	4092.7
62.5°	4245.6	4254.7	4348.9	4489.7	4732.8	4903.9	4841.1	4712.5	4600.1	4529.2	4522.1
65°	4568.7	4580.8	4660.9	4814.8	5065.0	5315.1	5279.7	5101.4	4949.5	4847.2	4833.0
67.5°	4686.2	4694.3	4806.7	5022.4	5310.1	5557.2	5567.3	5286.8	5066.0	4941.4	4938.4
70°	4548.4	4554.5	4698.3	4954.6	5321.2	5526.8	5490.3	5208.8	4937.3	4784.4	4769.2
72.5°	4239.5	4240.5	4372.2	4590.0	4957.6	5125.7	4970.8	4815.8	4535.3	4420.8	4390.4
75°	3677.4	3678.5	3769.6	3914.4	4176.7	4331.7	4155.5	4013.7	3848.6	3780.7	3745.3
77.5°	2528.9	2544.1	2638.3	2805.4	3093.1	3264.2	3033.3	2776.1	2675.8	2618.1	2583.6
80°	1217.4	1240.7	1349.0	1514.1	1814.9	2088.4	1803.8	1486.8	1291.3	1132.3	1160.7
82.5°	325.1	329.2	422.3	606.7	845.7	992.5	806.2	564.1	355.5	239.0	218.8
85°	86.1	91.2	127.6	175.2	266.4	339.3	259.3	165.1	125.6	93.2	85.1
87.5°	23.3	27.3	44.6	53.7	66.8	53.7	66.8	57.7	55.7	29.4	21.3
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)