

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: P286989

Luminaire Tested: **USSL-C02-D-U-T5-BZ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-10)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C02-D-U-T5-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20972 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U0 - G4

Input Watts (W): 153
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

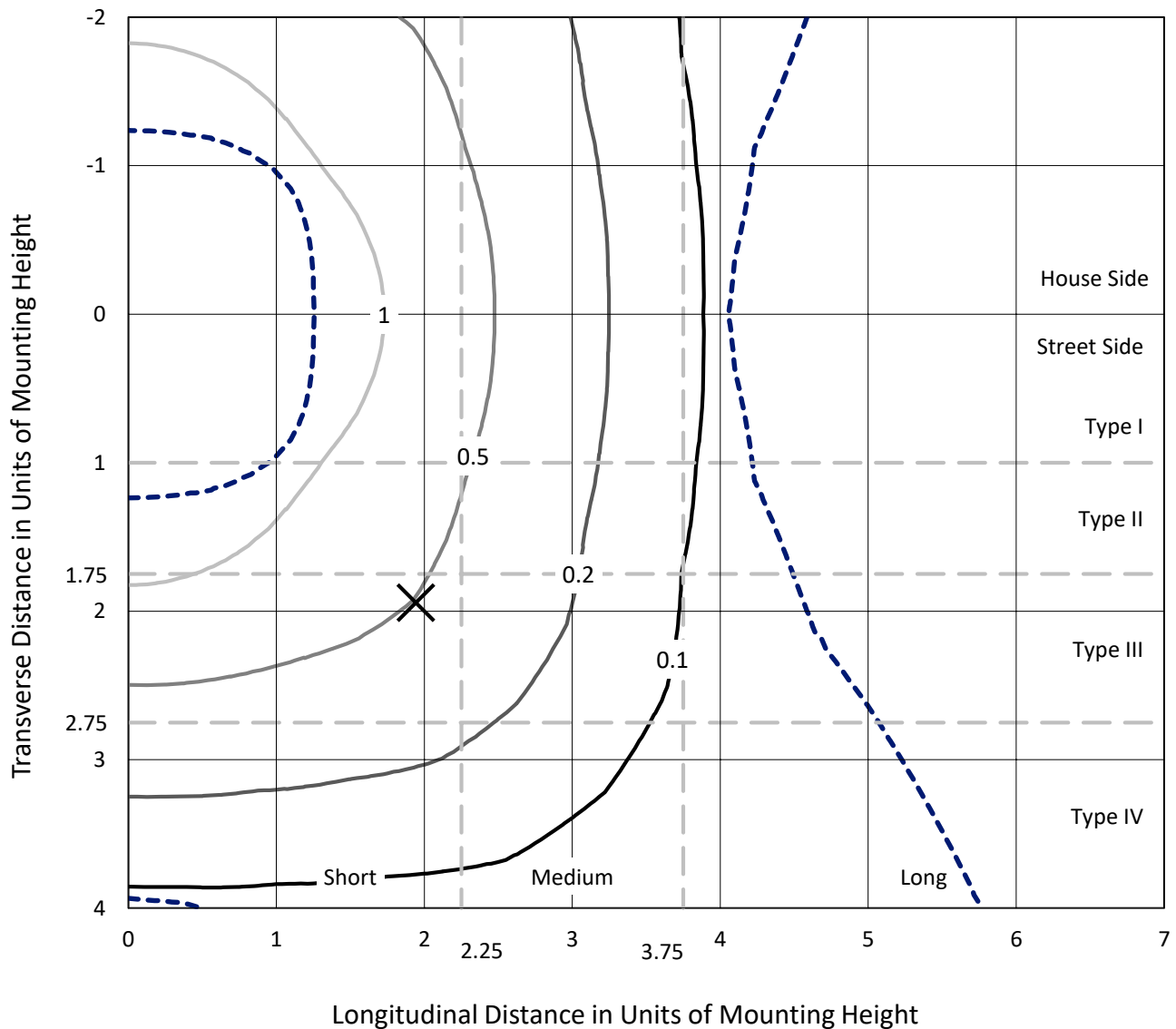


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

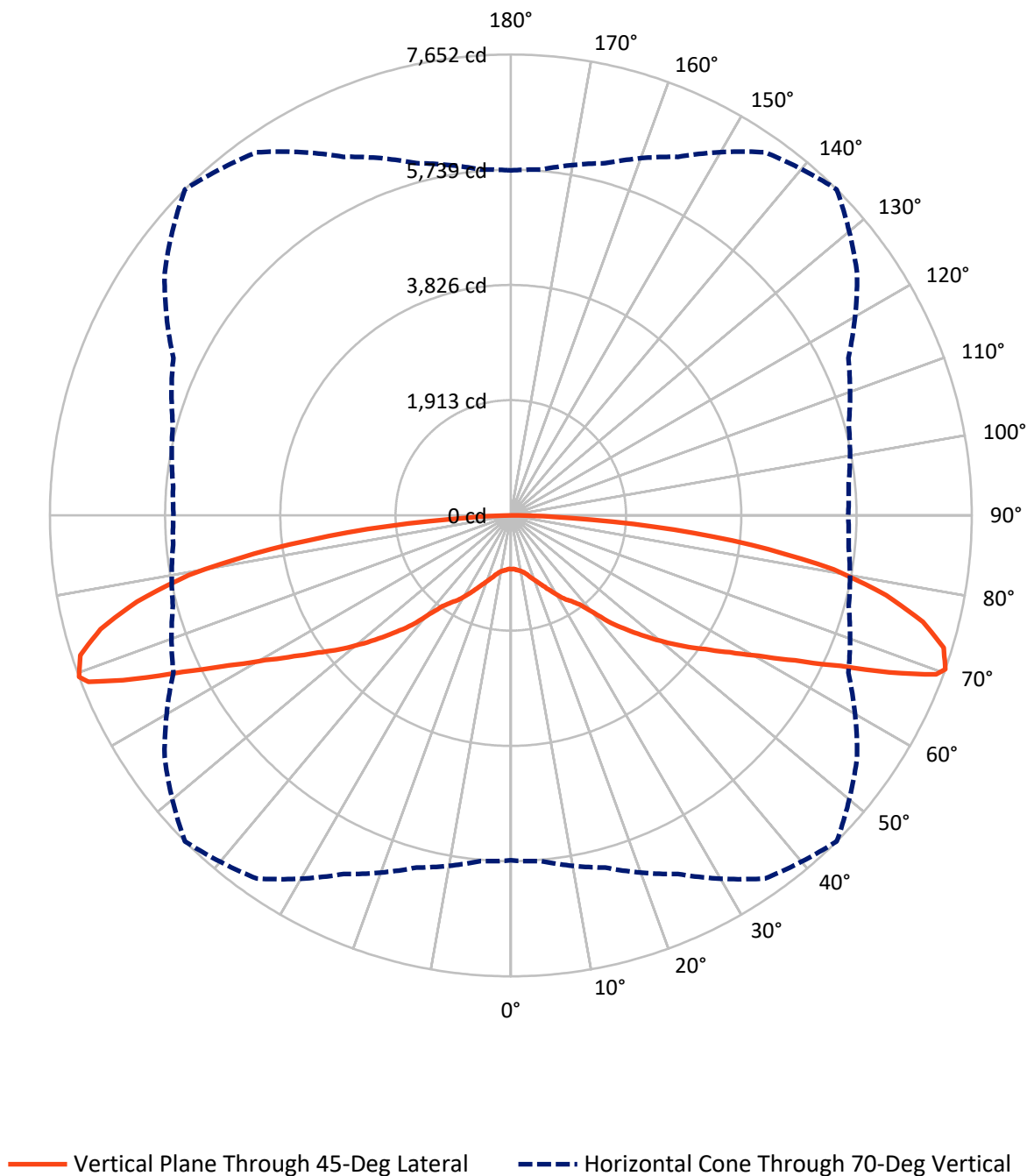


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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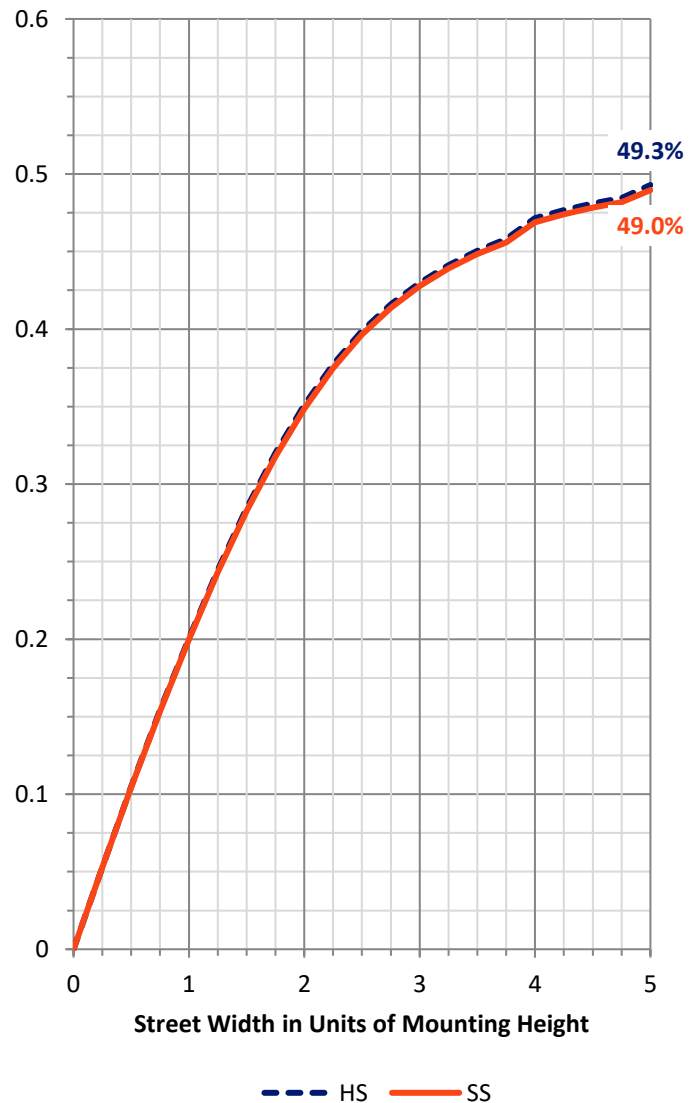
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10486.0	0.0	10486.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10486.0	0.0	10486.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20972.0	0.0	20972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	0.4
10°-20°	292.5	1.4
20°-30°	605.1	2.9
30°-40°	1108.6	5.3
40°-50°	2195.4	10.5
50°-60°	3762.1	17.9
60°-70°	5923.3	28.2
70°-80°	5535.6	26.4
80°-90°	1461.6	7.0
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°	20972.0	100.0
0°-180°	20972.0	100.0

Coefficient of Utilization



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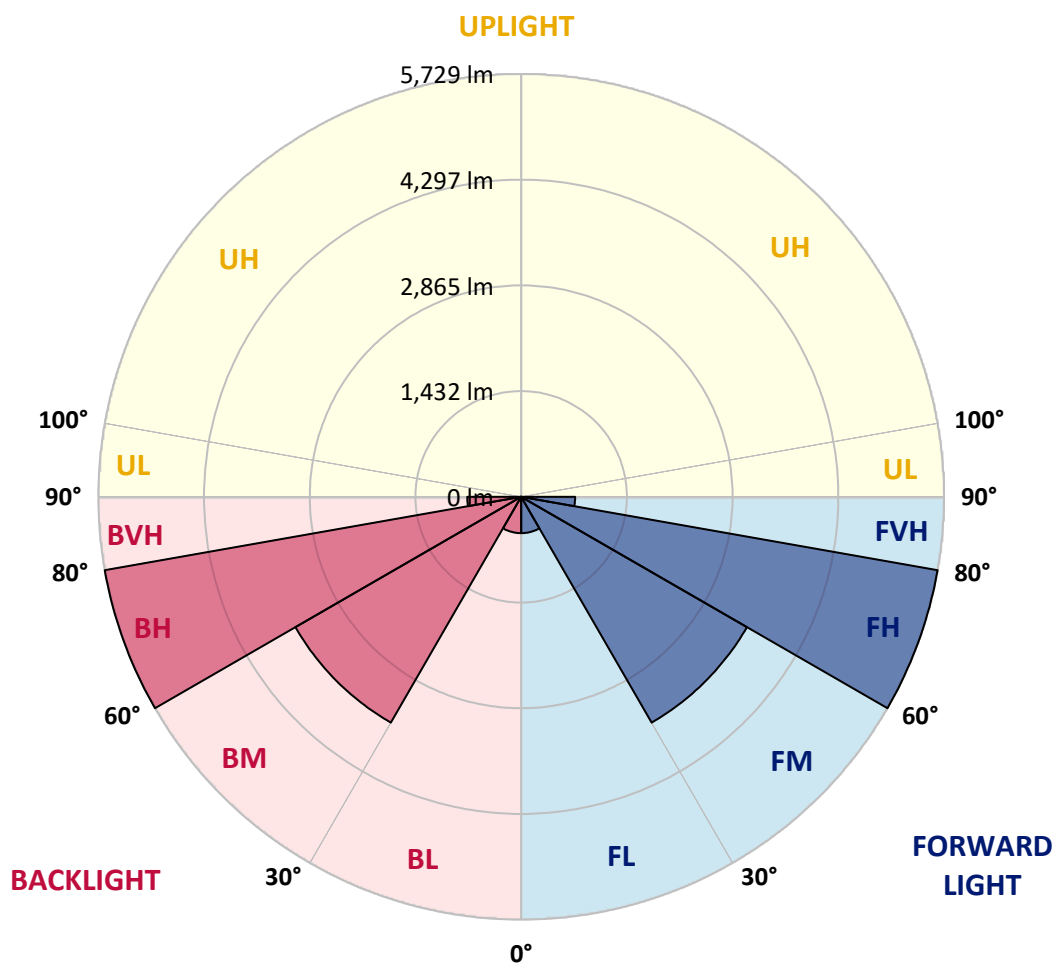
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	492.7	2.3			
FM	(30°-60°)	3533.0	16.8			
FH	(60°-80°)	5729.4	27.3			G3/7500
FVH	(80°-90°)	730.8	3.5			G4/750
BL	(0°-30°)	492.7	2.3	B1/500		
BM	(30°-60°)	3533.0	16.8	B3/5000		
BH	(60°-80°)	5729.4	27.3	B5		G3/7500
BVH	(80°-90°)	730.8	3.5			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	892.1	892.1	892.1	892.1	892.1	892.1	892.1	892.1	892.1	892.1	892.1
2.5°	904.6	905.6	903.7	894.0	893.1	890.2	889.2	893.1	893.1	893.1	891.2
5°	921.0	918.1	912.3	908.5	906.6	904.6	901.7	907.5	909.4	912.3	904.6
7.5°	931.6	931.6	930.6	923.9	926.8	921.0	916.2	921.0	924.8	922.9	922.0
10°	952.8	954.7	950.8	944.1	949.9	939.3	932.5	936.4	935.4	934.5	936.4
12.5°	981.6	983.6	978.7	973.0	980.7	971.0	964.3	963.3	961.4	960.5	957.6
15°	1021.1	1022.0	1018.2	1013.4	1024.9	1019.2	1015.3	1002.8	1002.8	999.9	1000.9
17.5°	1068.2	1073.1	1070.2	1070.2	1088.4	1084.6	1068.2	1053.8	1058.6	1051.9	1051.9
20°	1129.8	1127.9	1130.8	1135.6	1156.8	1151.0	1133.7	1113.5	1119.2	1112.5	1111.5
22.5°	1201.0	1202.0	1203.9	1207.8	1238.6	1228.0	1209.7	1193.3	1192.4	1188.5	1189.5
25°	1284.8	1283.8	1278.0	1292.5	1327.1	1316.5	1294.4	1282.9	1284.8	1284.8	1285.7
27.5°	1369.5	1362.7	1360.8	1361.8	1429.1	1423.4	1388.7	1367.5	1371.4	1379.1	1382.0
30°	1454.2	1452.2	1447.4	1441.6	1518.6	1538.8	1477.3	1464.7	1469.6	1482.1	1484.9
32.5°	1568.7	1563.9	1559.1	1544.6	1593.7	1657.2	1578.3	1581.2	1594.7	1613.9	1616.8
35°	1695.7	1696.7	1683.2	1670.7	1698.6	1753.5	1715.0	1718.8	1748.6	1774.6	1781.4
37.5°	1850.7	1853.5	1831.4	1805.4	1830.4	1888.2	1862.2	1902.6	1977.7	2020.0	2037.4
40°	2111.5	2104.7	2072.0	2022.9	2046.0	2124.0	2151.9	2203.8	2307.8	2366.5	2388.6
42.5°	2475.2	2462.7	2419.4	2367.5	2374.2	2441.6	2482.0	2583.0	2694.7	2755.3	2766.8
45°	2822.7	2816.9	2768.8	2675.4	2647.5	2707.2	2758.2	2884.2	3005.5	3069.0	3095.0
47.5°	3213.4	3208.6	3141.2	3020.9	2970.9	2997.8	3032.5	3177.8	3283.6	3352.9	3368.3
50°	3632.0	3620.5	3548.3	3401.0	3307.7	3298.1	3337.5	3461.7	3583.9	3644.5	3639.7
52.5°	4057.4	4052.6	3977.5	3796.6	3674.4	3611.8	3628.2	3734.0	3852.4	3929.4	3934.2
55°	4497.2	4501.0	4416.4	4198.9	4032.4	3921.7	3912.1	4034.3	4152.7	4218.1	4236.4
57.5°	4952.4	4953.4	4846.5	4646.4	4433.7	4288.4	4237.4	4373.0	4484.7	4543.4	4577.1
60°	5376.8	5386.4	5297.9	5133.3	4930.3	4734.9	4652.1	4771.5	4887.0	4970.7	4971.6
62.5°	5860.9	5854.1	5772.3	5638.6	5510.6	5298.9	5144.9	5270.9	5389.3	5464.4	5500.0
65°	6324.7	6336.3	6317.1	6263.2	6189.1	6027.4	5828.2	6000.4	6079.3	6075.5	6110.1
67.5°	6196.8	6249.7	6376.7	6649.1	6930.1	6997.5	6681.8	6306.5	6138.0	6032.2	5997.5
69°	5947.5	6006.2	6231.4	6636.6	7237.1	7537.3	6938.7	6232.4	5972.5	5825.3	5794.5
70°	5726.2	5761.8	6052.4	6568.2	7358.3	7651.9	7016.7	6181.4	5807.0	5628.0	5600.1
72.5°	5046.7	5117.9	5440.3	6205.4	7275.6	7513.3	6987.8	5844.5	5336.4	5047.7	5016.9
75°	4161.3	4233.5	4676.2	5540.4	6811.7	7066.7	6547.1	5240.1	4584.8	4305.7	4247.9
77.5°	2965.1	3018.0	3532.9	4569.4	6024.5	6370.9	5809.9	4388.4	3683.0	3373.1	3299.0
80°	1736.1	1757.3	2266.4	3254.8	4804.2	5434.5	4795.5	3404.9	2632.1	2291.4	2243.3
82.5°	653.5	817.1	1204.9	2012.3	3278.8	4031.4	3535.8	2324.1	1571.6	1219.3	1175.1
85°	199.2	272.4	514.9	997.0	1803.5	2391.5	2225.0	1289.6	652.5	372.4	325.3
87.5°	34.6	44.3	118.4	320.5	666.0	672.7	521.6	236.7	47.2	17.3	16.4
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)