

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: P286997

Luminaire Tested: **USSL-C02-D-U-T5-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286997
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-AP-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23050.7 lumens
Efficiency: N/A
Efficacy: 150.7 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 - G5

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



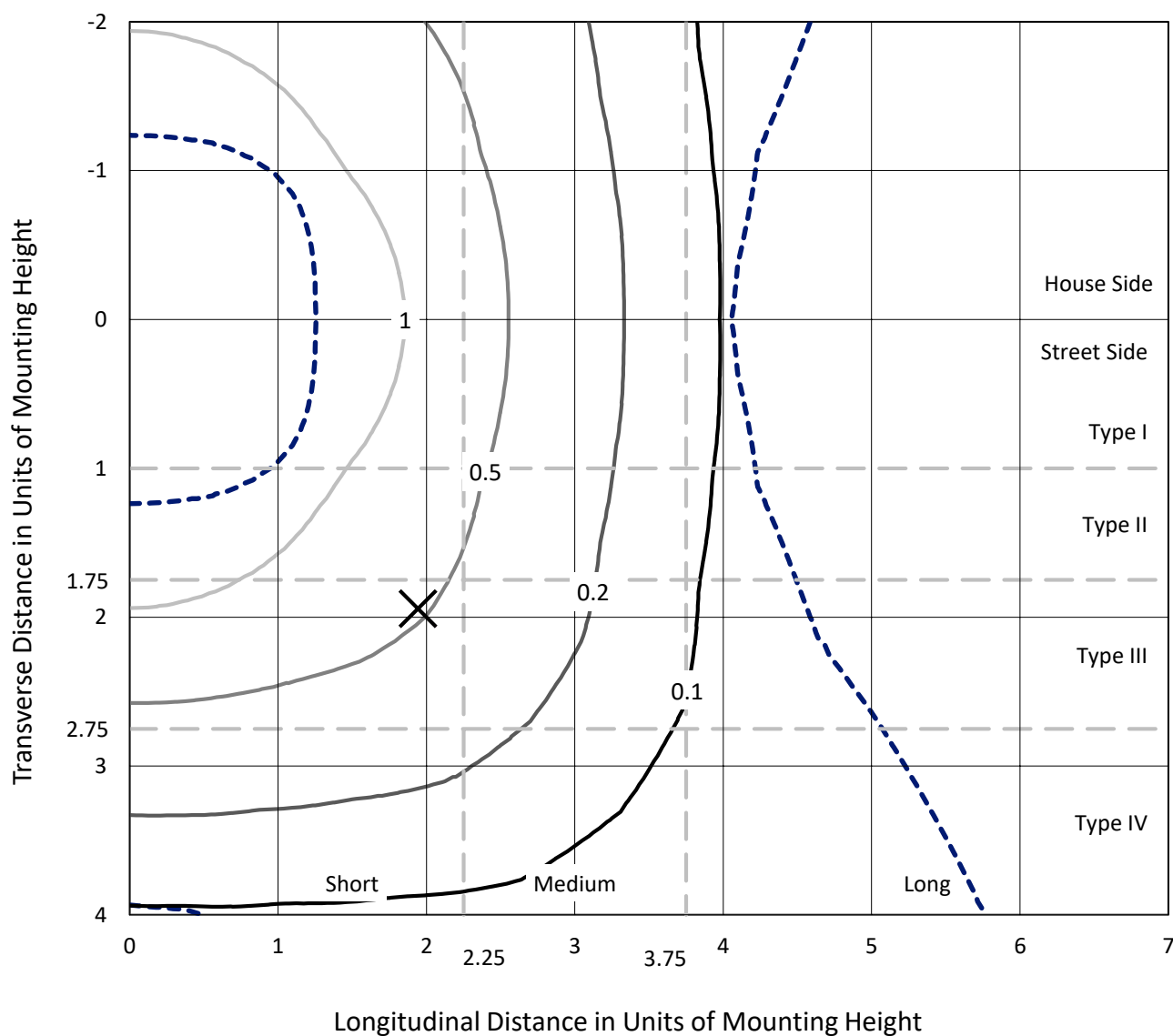
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

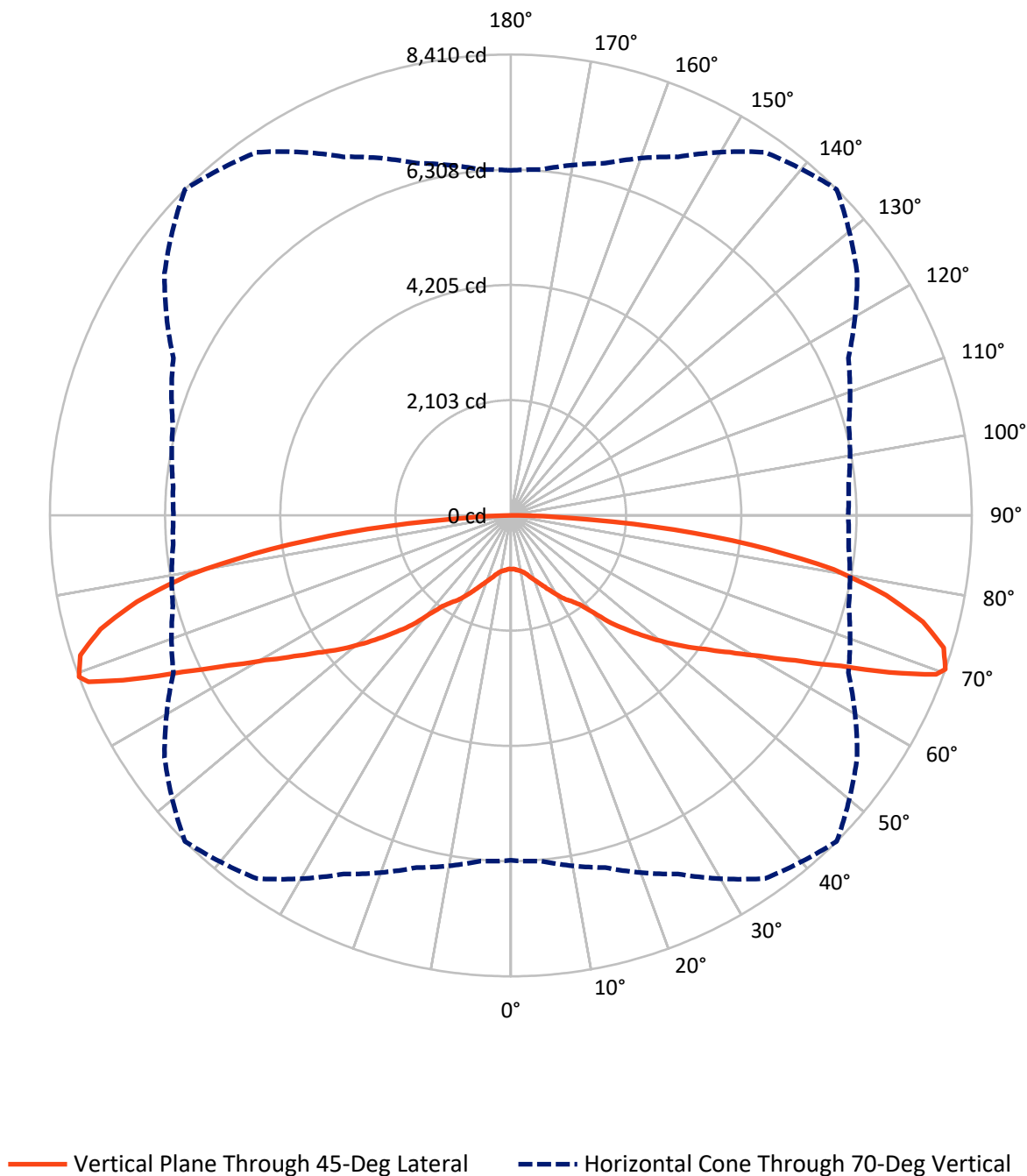


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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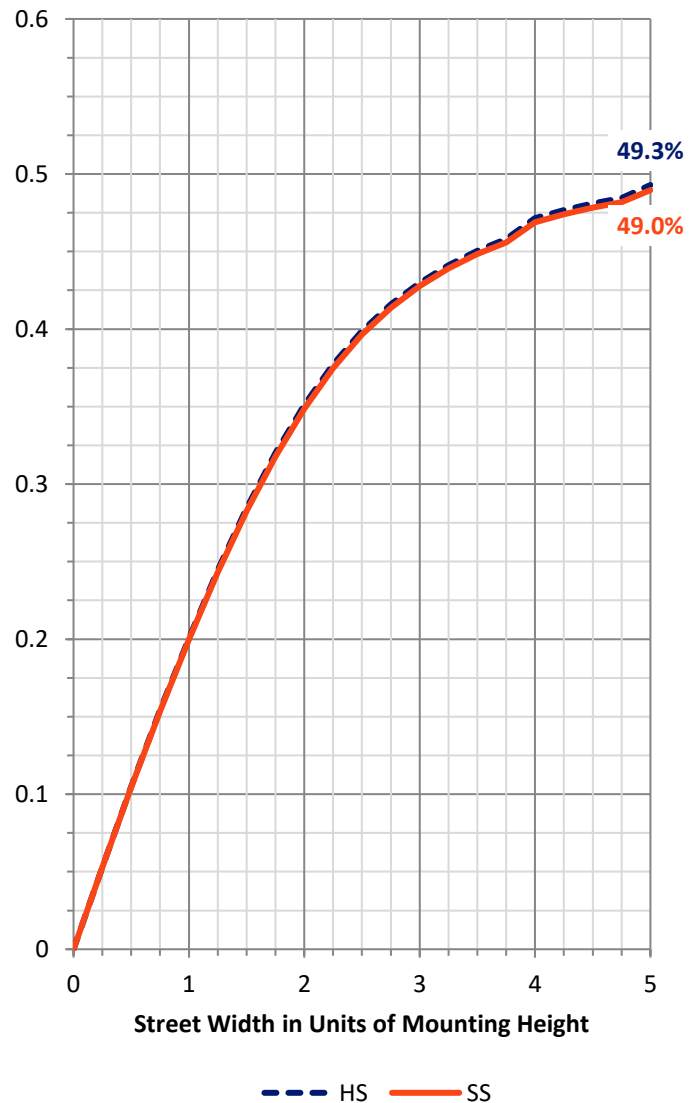
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11525.4	0.0	11525.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11525.4	0.0	11525.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	23050.7	0.0	23050.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	0.4
10°-20°	321.5	1.4
20°-30°	665.0	2.9
30°-40°	1218.4	5.3
40°-50°	2413.1	10.5
50°-60°	4135.0	17.9
60°-70°	6510.4	28.2
70°-80°	6084.3	26.4
80°-90°	1606.5	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°	23050.7	100.0
0°-180°	23050.7	100.0

Coefficient of Utilization



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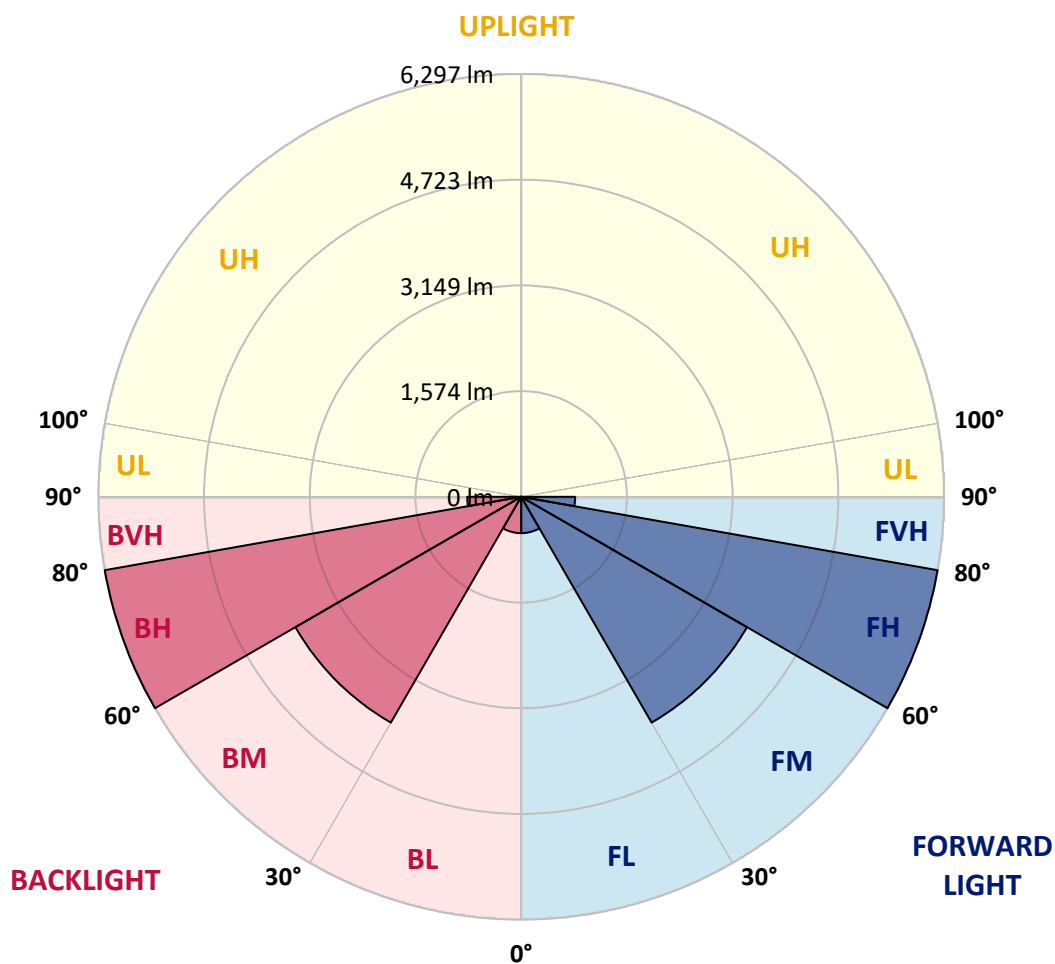
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.5	2.3			
FM	(30°-60°)	3883.2	16.8			
FH	(60°-80°)	6297.3	27.3			G3/7500
FVH	(80°-90°)	803.3	3.5			G5
BL	(0°-30°)	541.5	2.3	B2/1000		
BM	(30°-60°)	3883.2	16.8	B3/5000		
BH	(60°-80°)	6297.3	27.3	B5		G3/7500
BVH	(80°-90°)	803.3	3.5			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	980.5	980.5	980.5	980.5	980.5	980.5	980.5	980.5	980.5	980.5	980.5
2.5°	994.3	995.4	993.2	982.6	981.6	978.4	977.3	981.6	981.6	981.6	979.5
5°	1012.3	1009.1	1002.8	998.5	996.4	994.3	991.1	997.5	999.6	1002.8	994.3
7.5°	1024.0	1024.0	1022.9	1015.5	1018.7	1012.3	1007.0	1012.3	1016.6	1014.4	1013.4
10°	1047.2	1049.3	1045.1	1037.6	1044.0	1032.3	1025.0	1029.2	1028.1	1027.0	1029.2
12.5°	1078.9	1081.0	1075.8	1069.4	1077.8	1067.3	1059.9	1058.8	1056.7	1055.7	1052.5
15°	1122.3	1123.4	1119.1	1113.8	1126.6	1120.2	1116.0	1102.2	1102.2	1099.0	1100.1
17.5°	1174.2	1179.5	1176.3	1176.3	1196.3	1192.1	1174.2	1158.3	1163.6	1156.1	1156.1
20°	1241.8	1239.7	1242.8	1248.1	1271.5	1265.1	1246.0	1223.9	1230.2	1222.8	1221.7
22.5°	1320.1	1321.2	1323.3	1327.5	1361.3	1349.7	1329.6	1311.6	1310.6	1306.3	1307.4
25°	1412.1	1411.0	1404.7	1420.6	1458.6	1447.0	1422.7	1410.0	1412.1	1412.1	1413.2
27.5°	1505.2	1497.9	1495.7	1496.8	1570.8	1564.4	1526.4	1503.0	1507.3	1515.8	1518.9
30°	1598.3	1596.2	1590.9	1584.6	1669.1	1691.4	1623.7	1609.9	1615.2	1629.0	1632.1
32.5°	1724.1	1718.8	1713.5	1697.7	1751.7	1821.4	1734.7	1737.9	1752.8	1773.8	1777.0
35°	1863.8	1864.9	1850.1	1836.3	1866.9	1927.2	1884.9	1889.2	1921.9	1950.5	1958.0
37.5°	2034.1	2037.2	2013.0	1984.3	2011.9	2075.4	2046.8	2091.2	2173.7	2220.3	2239.3
40°	2320.8	2313.3	2277.4	2223.5	2248.8	2334.5	2365.2	2422.3	2536.6	2601.1	2625.4
42.5°	2720.6	2706.9	2659.2	2602.2	2609.5	2683.6	2728.0	2839.0	2961.8	3028.3	3041.1
45°	3102.4	3096.1	3043.2	2940.6	2910.0	2975.5	3031.5	3170.2	3303.4	3373.2	3401.7
47.5°	3531.9	3526.6	3452.5	3320.3	3265.3	3294.9	3333.1	3492.8	3609.1	3685.3	3702.2
50°	3992.0	3979.3	3900.0	3738.2	3635.6	3625.0	3668.3	3804.8	3939.1	4005.8	4000.5
52.5°	4459.5	4454.2	4371.8	4172.9	4038.5	3969.7	3987.8	4104.1	4234.2	4318.9	4324.2
55°	4942.9	4947.2	4854.1	4615.0	4432.1	4310.4	4299.8	4434.2	4564.2	4636.2	4656.2
57.5°	5443.2	5444.3	5327.0	5106.9	4873.1	4713.4	4657.3	4806.5	4929.2	4993.7	5030.7
60°	5909.8	5920.3	5823.0	5642.2	5419.0	5204.2	5113.3	5244.4	5371.4	5463.4	5464.4
62.5°	6441.8	6434.4	6344.5	6197.4	6056.8	5824.0	5654.8	5793.4	5923.5	6006.0	6045.1
65°	6951.7	6964.4	6943.2	6883.9	6802.5	6624.8	6405.8	6595.2	6681.9	6677.7	6715.7
67.5°	6810.9	6869.1	7008.8	7308.1	7617.0	7691.1	7344.0	6931.5	6746.5	6630.1	6592.0
69°	6537.0	6601.5	6849.1	7294.3	7954.4	8284.4	7626.5	6850.1	6564.5	6402.6	6368.8
70°	6293.7	6332.9	6652.3	7219.3	8087.7	8410.3	7712.2	6794.1	6382.6	6185.8	6155.2
72.5°	5546.9	5625.2	5979.5	6820.5	7996.7	8258.0	7680.5	6423.8	5865.3	5547.9	5514.1
75°	4573.8	4653.1	5139.7	6089.5	7486.9	7767.2	7196.0	5759.5	5039.2	4732.5	4669.0
77.5°	3259.0	3317.2	3883.0	5022.2	6621.6	7002.4	6385.8	4823.4	4048.1	3707.4	3626.0
80°	1908.2	1931.5	2491.1	3577.4	5280.4	5973.2	5270.9	3742.4	2893.0	2518.5	2465.6
82.5°	718.2	898.1	1324.3	2211.8	3603.8	4431.0	3886.2	2554.5	1727.3	1340.2	1291.5
85°	219.0	299.3	565.9	1095.8	1982.2	2628.6	2445.5	1417.4	717.1	409.3	357.5
87.5°	38.1	48.6	130.2	352.2	732.0	739.4	573.3	260.2	51.8	19.1	18.0
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)