

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-AP-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-AP-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE V OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22228.2 lumens
Efficiency: N/A
Efficacy: 145.3 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



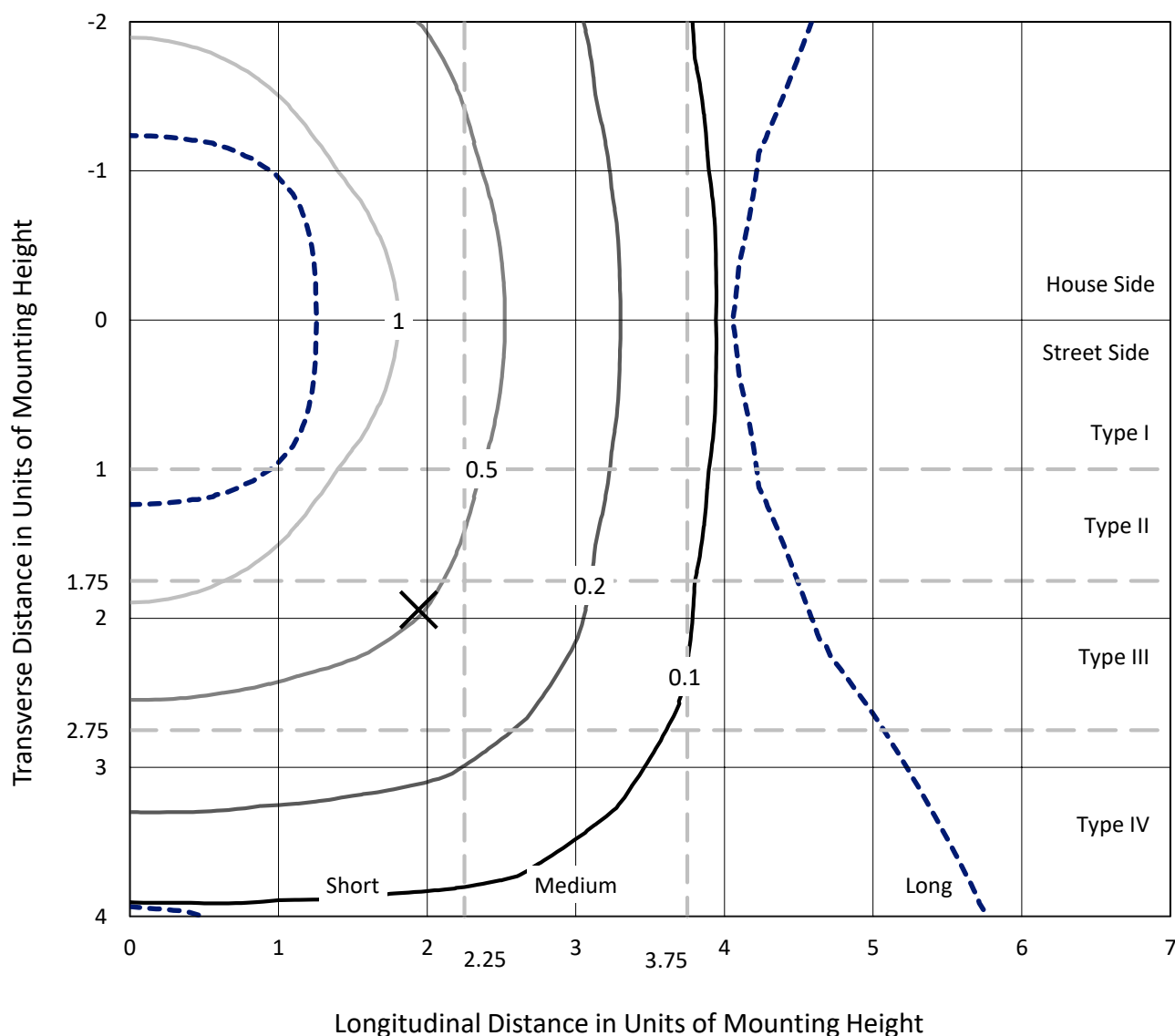
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

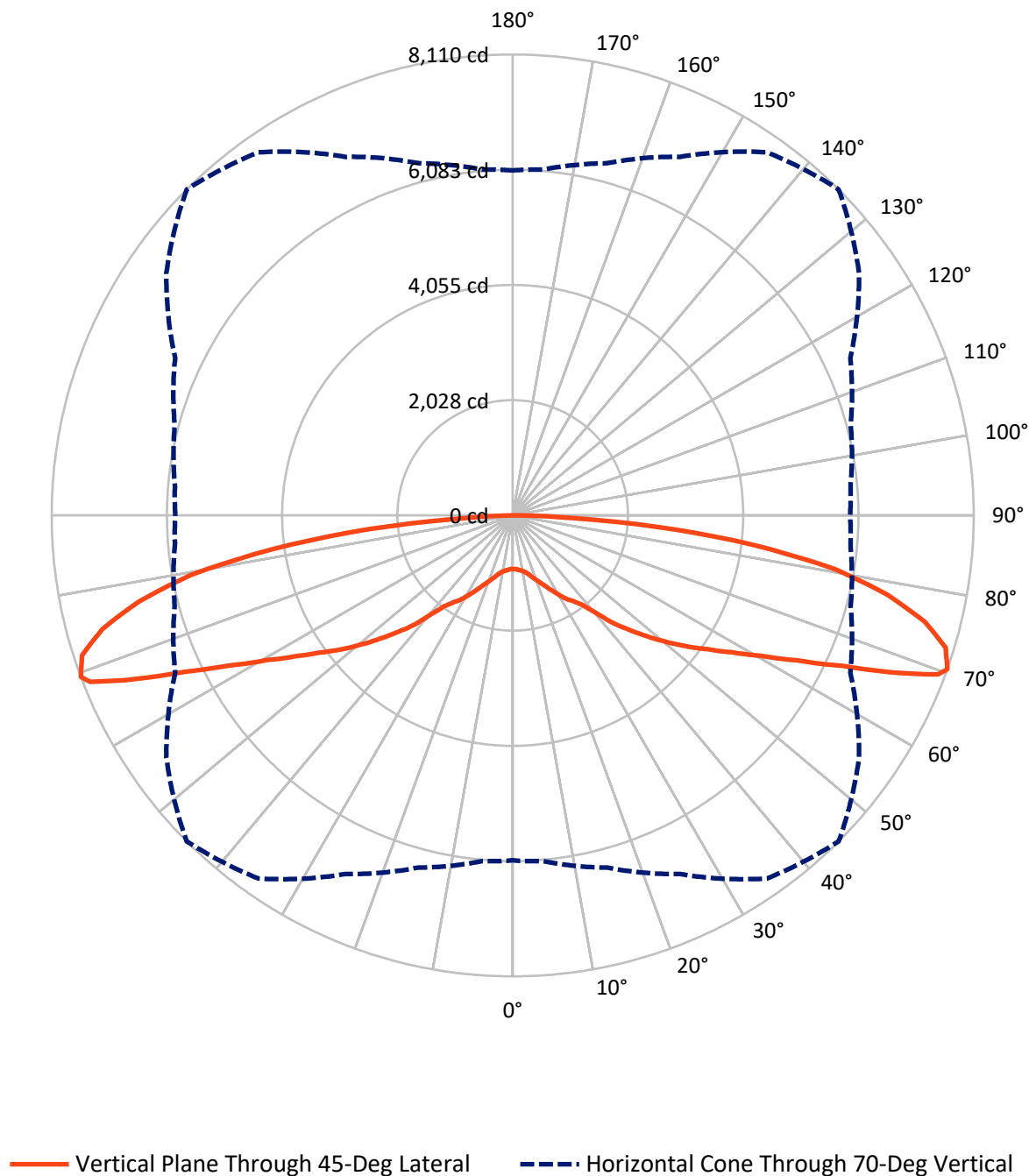


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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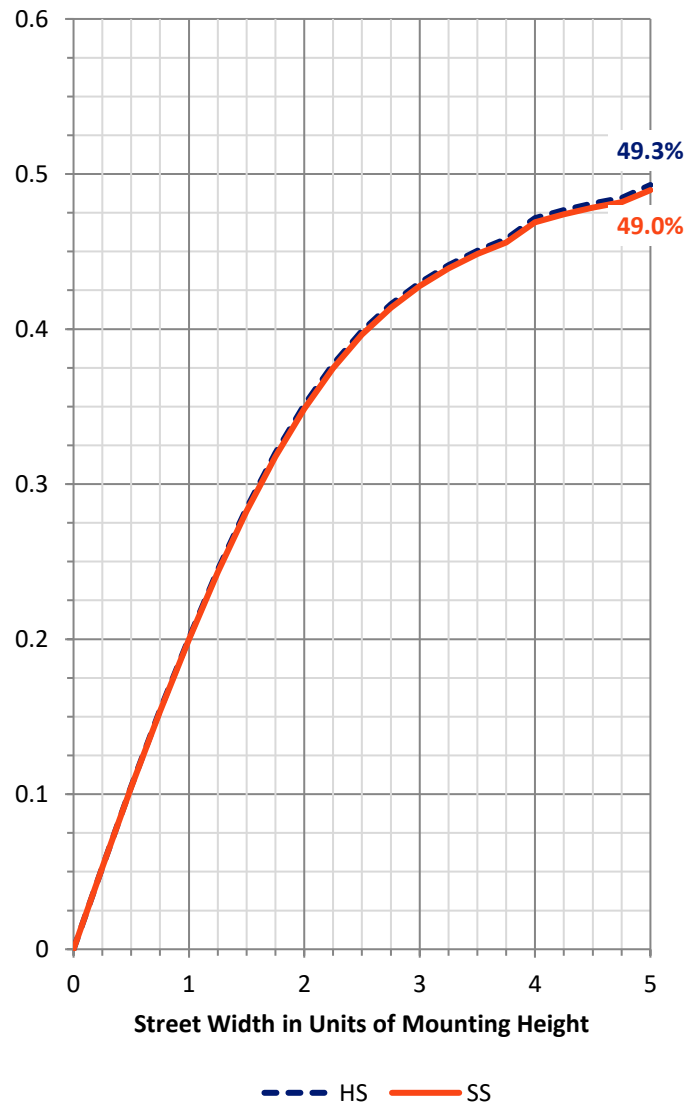
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11114.1	0.0	11114.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11114.1	0.0	11114.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	22228.2	0.0	22228.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	0.4
10°-20°	310.1	1.4
20°-30°	641.3	2.9
30°-40°	1175.0	5.3
40°-50°	2327.0	10.5
50°-60°	3987.4	17.9
60°-70°	6278.1	28.2
70°-80°	5867.2	26.4
80°-90°	1549.2	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°	22228.2	100.0
0°-180°	22228.2	100.0

Coefficient of Utilization



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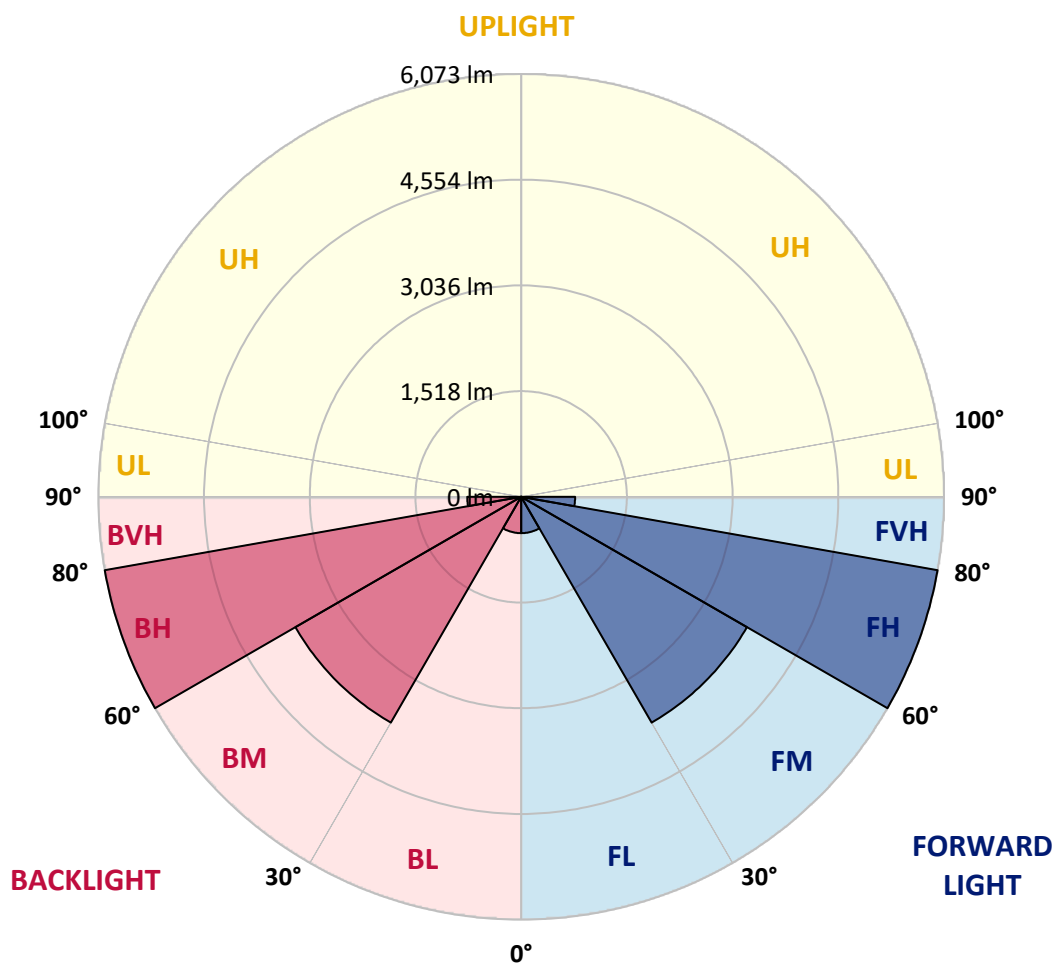
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	522.2	2.3			
FM	(30°-60°)	3744.7	16.8			
FH	(60°-80°)	6072.6	27.3			G3/7500
FVH	(80°-90°)	774.6	3.5			G5
BL	(0°-30°)	522.2	2.3	B2/1000		
BM	(30°-60°)	3744.7	16.8	B3/5000		
BH	(60°-80°)	6072.6	27.3	B5		G3/7500
BVH	(80°-90°)	774.6	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°	945.5	945.5	945.5	945.5	945.5	945.5	945.5	945.5	945.5	945.5	945.5
2.5°	958.8	959.8	957.8	947.6	946.6	943.5	942.5	946.6	946.6	946.6	944.6
5°	976.2	973.1	966.9	962.9	960.9	958.8	955.7	961.9	963.9	966.9	958.8
7.5°	987.4	987.4	986.3	979.2	982.3	976.2	971.1	976.2	980.2	978.2	977.2
10°	1009.9	1011.9	1007.8	1000.7	1006.8	995.6	988.4	992.5	991.4	990.5	992.5
12.5°	1040.4	1042.5	1037.3	1031.3	1039.4	1029.2	1022.1	1021.0	1019.0	1018.0	1015.0
15°	1082.3	1083.2	1079.2	1074.1	1086.3	1080.3	1076.1	1062.9	1062.9	1059.8	1060.9
17.5°	1132.2	1137.4	1134.3	1134.3	1153.6	1149.6	1132.2	1116.9	1122.0	1114.9	1114.9
20°	1197.5	1195.5	1198.5	1203.6	1226.1	1219.9	1201.6	1180.2	1186.2	1179.1	1178.1
22.5°	1272.9	1274.0	1276.0	1280.1	1312.8	1301.6	1282.2	1264.8	1263.8	1259.7	1260.8
25°	1361.8	1360.7	1354.6	1369.9	1406.6	1395.4	1371.9	1359.7	1361.8	1361.8	1362.7
27.5°	1451.5	1444.3	1442.3	1443.4	1514.7	1508.7	1471.9	1449.4	1453.5	1461.7	1464.8
30°	1541.3	1539.2	1534.1	1528.0	1609.6	1631.0	1565.8	1552.4	1557.6	1570.9	1573.8
32.5°	1662.7	1657.6	1652.5	1637.1	1689.2	1756.5	1672.8	1675.9	1690.2	1710.6	1713.6
35°	1797.3	1798.3	1784.0	1770.8	1800.3	1858.5	1817.7	1821.8	1853.3	1880.9	1888.1
37.5°	1961.6	1964.5	1941.1	1913.5	1940.0	2001.3	1973.7	2016.6	2096.2	2141.0	2159.4
40°	2238.0	2230.8	2196.1	2144.1	2168.6	2251.2	2280.8	2335.8	2446.0	2508.3	2531.7
42.5°	2623.5	2610.2	2564.3	2509.3	2516.4	2587.9	2630.7	2737.7	2856.1	2920.3	2932.5
45°	2991.8	2985.6	2934.7	2835.7	2806.1	2869.4	2923.4	3057.0	3185.5	3252.8	3280.4
47.5°	3405.9	3400.8	3329.4	3201.9	3148.9	3177.4	3214.1	3368.2	3480.3	3553.7	3570.1
50°	3849.6	3837.4	3760.8	3604.7	3505.8	3495.7	3537.4	3669.1	3798.6	3862.8	3857.7
52.5°	4300.4	4295.4	4215.8	4024.0	3894.5	3828.1	3845.5	3957.7	4083.2	4164.8	4169.9
55°	4766.6	4770.6	4680.9	4450.4	4273.9	4156.6	4146.4	4276.0	4401.4	4470.8	4490.2
57.5°	5249.0	5250.1	5136.8	4924.7	4699.3	4545.3	4491.2	4634.9	4753.3	4815.5	4851.3
60°	5698.9	5709.0	5615.2	5440.8	5225.6	5018.5	4930.8	5057.3	5179.7	5268.4	5269.4
62.5°	6212.0	6204.8	6118.1	5976.4	5840.7	5616.3	5453.1	5586.6	5712.1	5791.7	5829.5
65°	6703.5	6715.8	6695.5	6638.4	6559.8	6388.4	6177.3	6359.8	6443.5	6439.4	6476.1
67.5°	6568.0	6624.1	6758.7	7047.4	7345.2	7416.7	7082.0	6684.3	6505.7	6393.5	6356.8
69°	6303.8	6366.0	6604.7	7034.1	7670.6	7988.8	7354.3	6605.7	6330.3	6174.2	6141.6
70°	6069.2	6106.9	6414.9	6961.6	7799.1	8110.2	7437.0	6551.7	6154.8	5965.1	5935.5
72.5°	5349.0	5424.5	5766.2	6577.1	7711.4	7963.3	7406.4	6194.6	5656.1	5350.1	5317.4
75°	4410.6	4487.1	4956.3	5872.3	7219.7	7490.0	6939.3	5554.0	4859.4	4563.6	4502.3
77.5°	3142.7	3198.8	3744.5	4843.1	6385.4	6752.5	6157.9	4651.3	3903.6	3575.1	3496.6
80°	1840.1	1862.6	2402.2	3449.8	5092.0	5760.0	5082.8	3608.9	2789.8	2428.7	2377.7
82.5°	692.6	866.0	1277.1	2132.8	3475.2	4272.9	3747.6	2463.3	1665.7	1292.3	1245.5
85°	211.1	288.7	545.7	1056.7	1911.5	2534.8	2358.3	1366.8	691.6	394.7	344.8
87.5°	36.7	47.0	125.5	339.7	705.9	713.0	552.8	250.9	50.0	18.3	17.4
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)