

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: P286996

Luminaire Tested: **USSL-C029-D-U-T5-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286996
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-C029-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: 19709.9 lumens
Efficiency: N/A
Efficacy: 150.5 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): 131
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



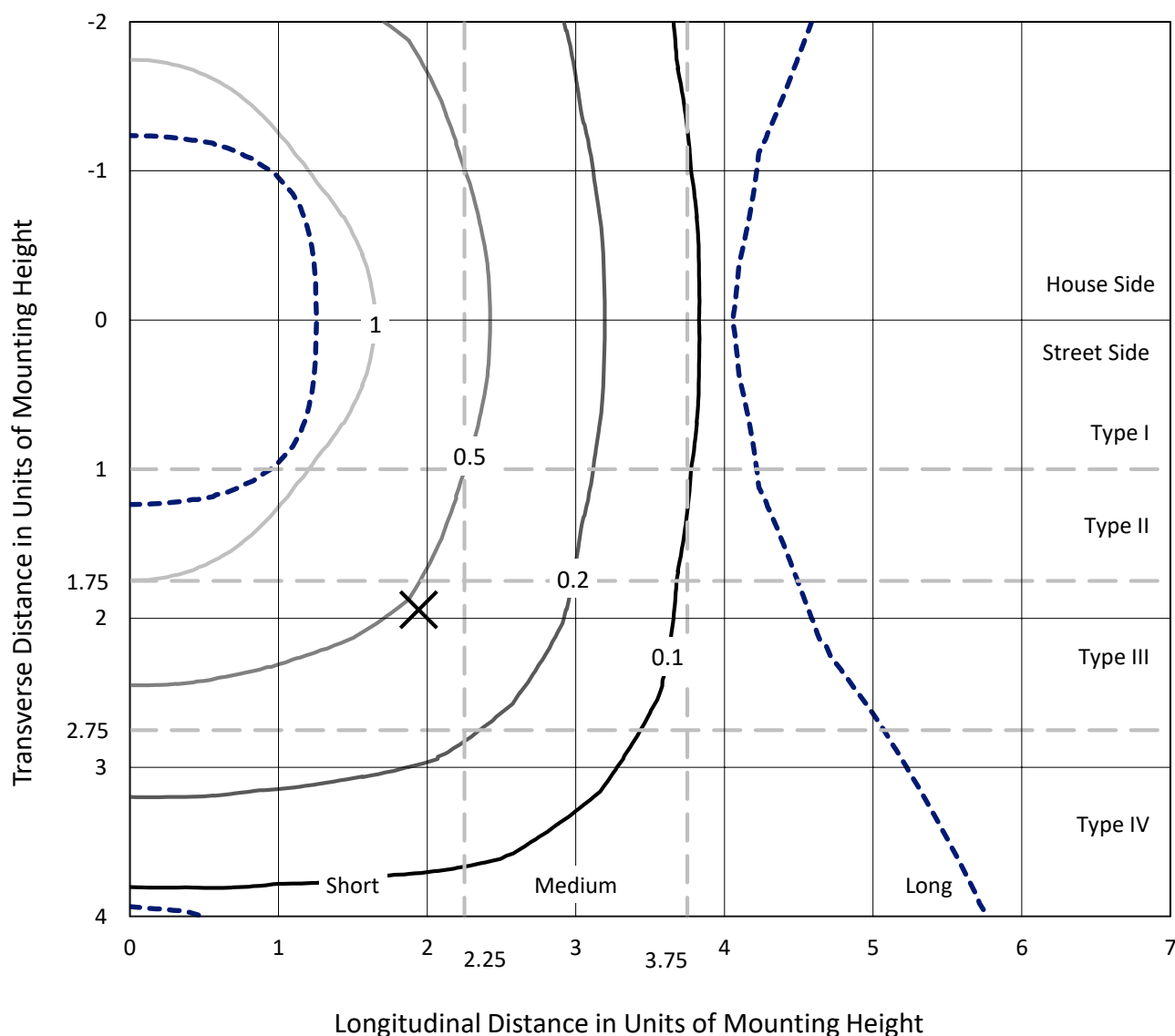
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

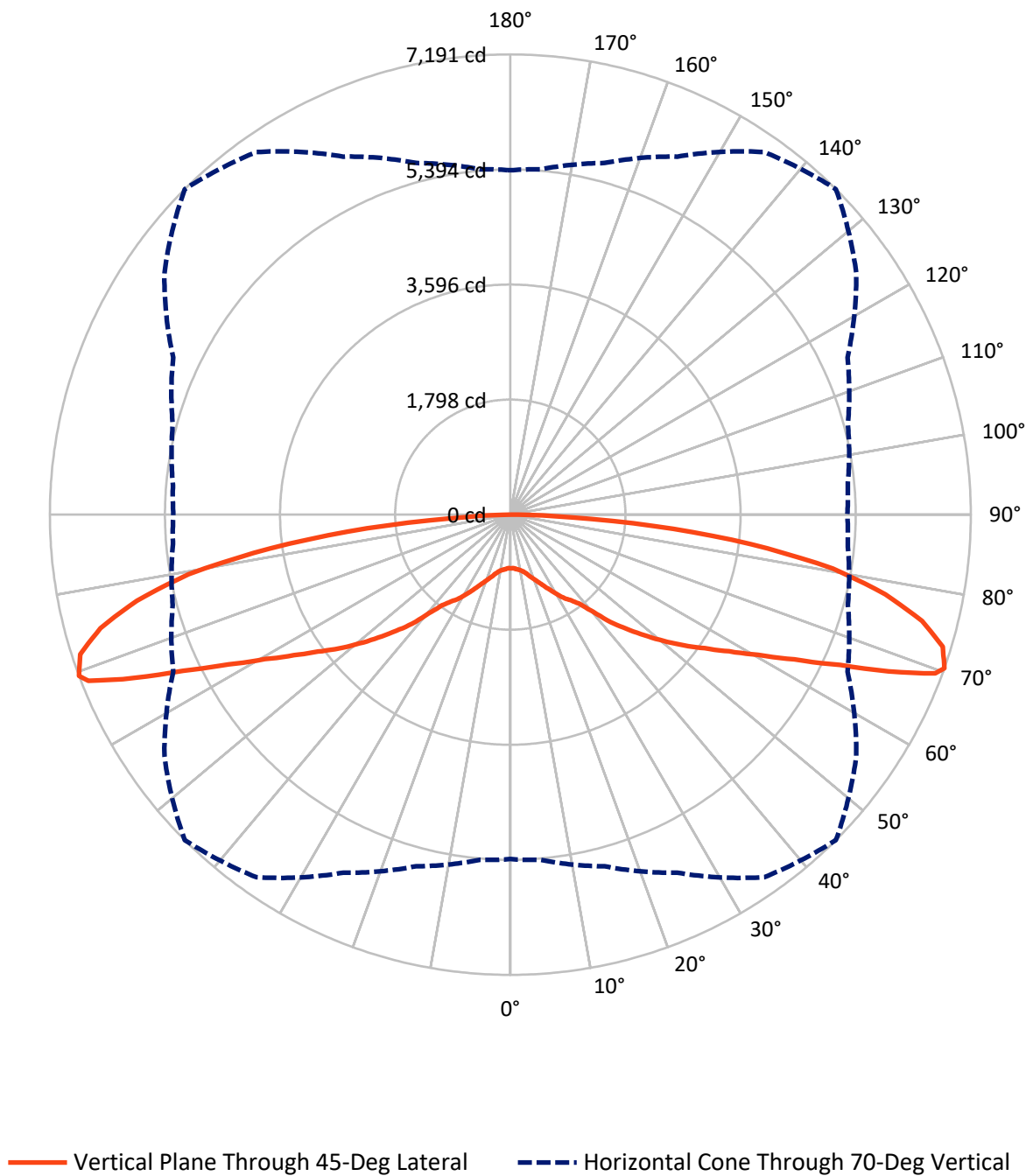


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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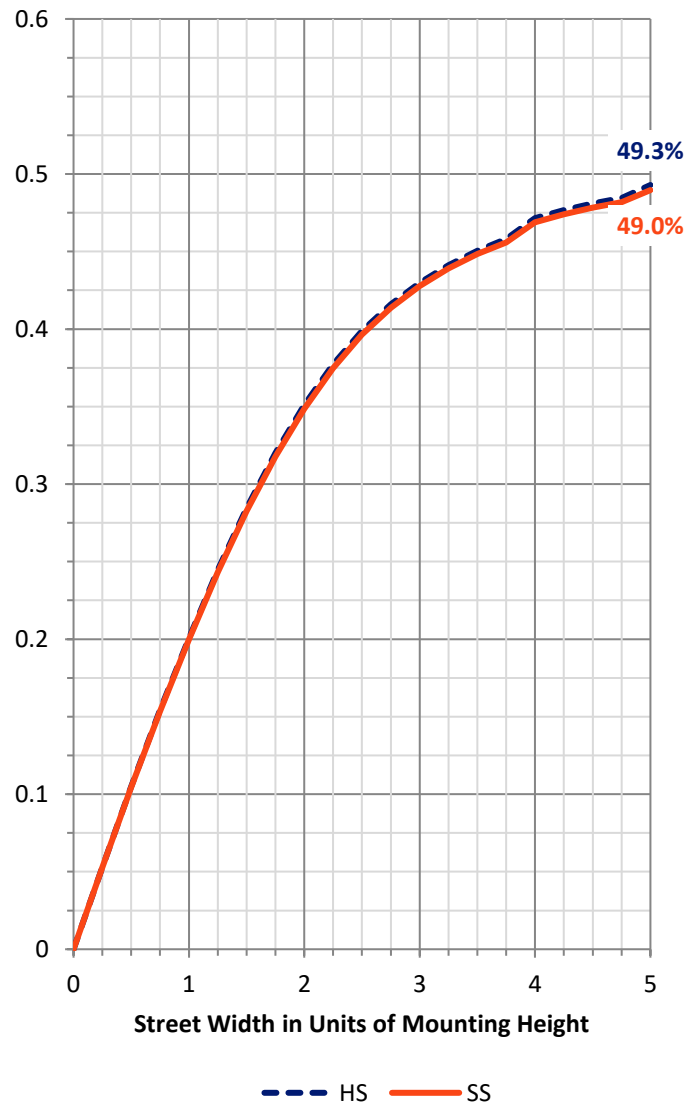
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9855.0	0.0	9855.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9855.0	0.0	9855.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19709.9	0.0	19709.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	0.4
10°-20°	274.9	1.4
20°-30°	568.7	2.9
30°-40°	1041.8	5.3
40°-50°	2063.3	10.5
50°-60°	3535.7	17.9
60°-70°	5566.8	28.2
70°-80°	5202.5	26.4
80°-90°	1373.7	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°	19709.9	100.0
0°-180°	19709.9	100.0

Coefficient of Utilization



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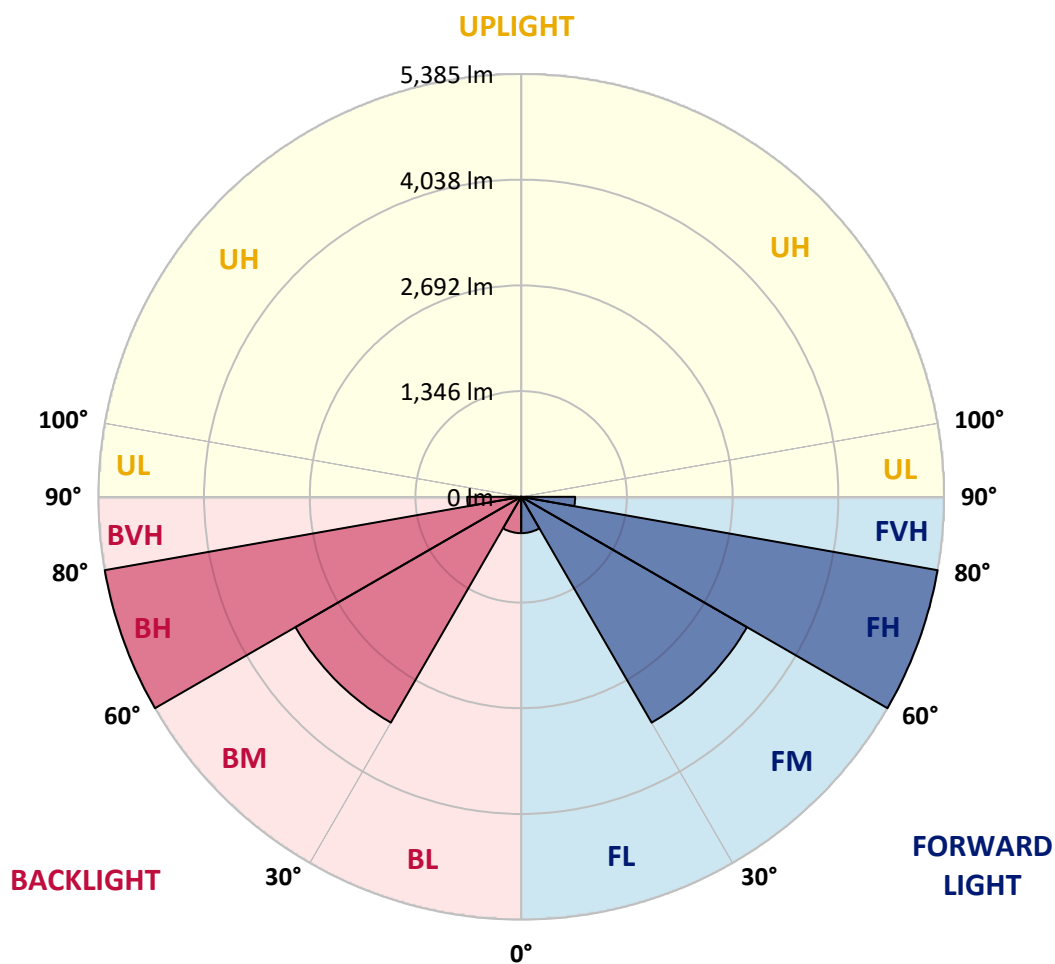
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.0	2.3			
FM	(30°-60°)	3320.4	16.8			
FH	(60°-80°)	5384.6	27.3			G3/7500
FVH	(80°-90°)	686.8	3.5			G4/750
BL	(0°-30°)	463.0	2.3	B1/500		
BM	(30°-60°)	3320.4	16.8	B3/5000		
BH	(60°-80°)	5384.6	27.3	B5		G3/7500
BVH	(80°-90°)	686.8	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°	838.5	838.5	838.5	838.5	838.5	838.5	838.5	838.5	838.5	838.5	838.5
2.5°	850.1	851.1	849.3	840.3	839.3	836.6	835.7	839.3	839.3	839.3	837.5
5°	865.6	862.9	857.5	853.9	852.1	850.1	847.5	852.9	854.7	857.5	850.1
7.5°	875.5	875.5	874.6	868.3	871.0	865.6	861.1	865.6	869.2	867.4	866.5
10°	895.4	897.2	893.6	887.2	892.8	882.8	876.4	880.0	879.2	878.2	880.0
12.5°	922.5	924.3	919.9	914.4	921.7	912.6	906.3	905.4	903.6	902.6	900.0
15°	959.6	960.6	956.9	952.4	963.2	957.8	954.2	942.5	942.5	939.7	940.7
17.5°	1003.9	1008.5	1005.7	1005.7	1022.9	1019.3	1003.9	990.4	994.9	988.6	988.6
20°	1061.8	1060.0	1062.8	1067.2	1087.1	1081.7	1065.4	1046.4	1051.8	1045.6	1044.6
22.5°	1128.8	1129.6	1131.4	1135.0	1164.1	1154.1	1137.0	1121.5	1120.6	1117.0	1117.9
25°	1207.4	1206.6	1201.1	1214.6	1247.3	1237.3	1216.6	1205.6	1207.4	1207.4	1208.4
27.5°	1287.0	1280.7	1278.9	1279.8	1343.1	1337.7	1305.2	1285.2	1288.8	1296.0	1298.8
30°	1366.6	1364.8	1360.3	1354.9	1427.3	1446.2	1388.4	1376.6	1381.2	1392.9	1395.6
32.5°	1474.3	1469.8	1465.2	1451.6	1497.7	1557.5	1483.3	1486.0	1498.7	1516.8	1519.5
35°	1593.7	1594.6	1581.9	1570.1	1596.4	1647.9	1611.8	1615.4	1643.4	1667.9	1674.1
37.5°	1739.3	1741.9	1721.2	1696.8	1720.3	1774.6	1750.1	1788.2	1858.6	1898.5	1914.7
40°	1984.3	1978.1	1947.4	1901.1	1922.9	1996.1	2022.4	2071.3	2168.9	2224.1	2244.9
42.5°	2326.3	2314.5	2273.8	2224.9	2231.3	2294.6	2332.6	2427.6	2532.5	2589.4	2600.4
45°	2652.8	2647.3	2602.2	2514.4	2488.2	2544.3	2592.2	2710.7	2824.6	2884.3	2908.8
47.5°	3020.0	3015.5	2952.1	2839.2	2792.1	2817.4	2850.0	2986.6	3086.0	3151.2	3165.6
50°	3413.4	3402.6	3334.8	3196.3	3108.7	3099.6	3136.7	3253.4	3368.3	3425.2	3420.7
52.5°	3813.2	3808.6	3738.2	3568.2	3453.3	3394.4	3409.8	3509.3	3620.5	3692.9	3697.5
55°	4226.6	4230.2	4150.6	3946.2	3789.7	3685.7	3676.7	3791.5	3902.8	3964.2	3981.4
57.5°	4654.3	4655.3	4554.9	4366.8	4166.9	4030.3	3982.4	4109.9	4214.8	4269.9	4301.6
60°	5053.2	5062.3	4979.1	4824.5	4633.6	4450.0	4372.2	4484.3	4592.9	4671.5	4672.5
62.5°	5508.2	5501.8	5425.0	5299.3	5179.0	4979.9	4835.3	4953.8	5064.9	5135.5	5169.0
65°	5944.1	5954.9	5936.9	5886.3	5816.6	5664.6	5477.5	5639.3	5713.5	5709.9	5742.4
67.5°	5823.8	5873.5	5993.0	6249.0	6513.0	6576.4	6279.7	5927.0	5768.6	5669.2	5636.7
69°	5589.6	5644.7	5856.4	6237.2	6801.6	7083.7	6521.1	5857.3	5613.1	5474.7	5445.8
70°	5381.5	5415.0	5688.2	6173.0	6915.5	7191.4	6594.4	5809.3	5457.5	5289.3	5263.0
72.5°	4742.9	4809.9	5113.0	5832.0	6837.7	7061.2	6567.2	5492.8	5015.2	4743.9	4715.0
75°	3910.9	3978.8	4394.8	5207.0	6401.8	6641.4	6153.0	4924.8	4308.8	4046.6	3992.3
77.5°	2786.7	2836.4	3320.2	4294.4	5661.9	5987.6	5460.3	4124.4	3461.4	3170.2	3100.5
80°	1631.6	1651.5	2130.0	3058.9	4515.1	5107.4	4506.9	3199.9	2473.7	2153.5	2108.4
82.5°	614.1	767.9	1132.4	1891.2	3081.6	3788.8	3323.0	2184.2	1477.0	1146.0	1104.3
85°	187.2	256.0	483.8	937.1	1695.0	2247.6	2091.1	1212.0	613.3	350.0	305.7
87.5°	32.5	41.7	111.3	301.2	625.9	632.2	490.2	222.5	44.3	16.3	15.4
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)