

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: P286988

Luminaire Tested: **USSL-C029-D-U-T5-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286988
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-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: 19006.1 lumens
Efficiency: N/A
Efficacy: 145.1 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): 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



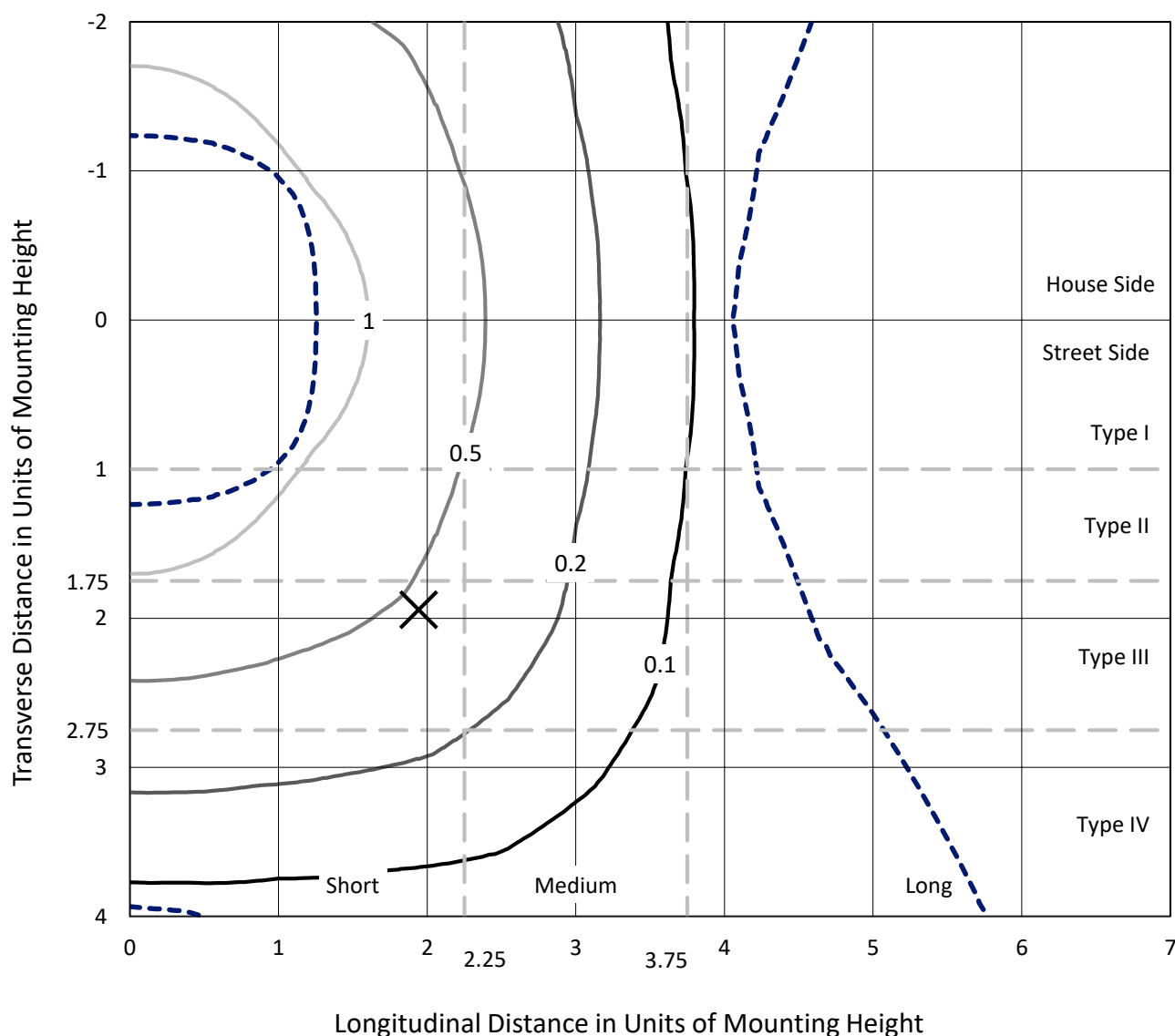
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

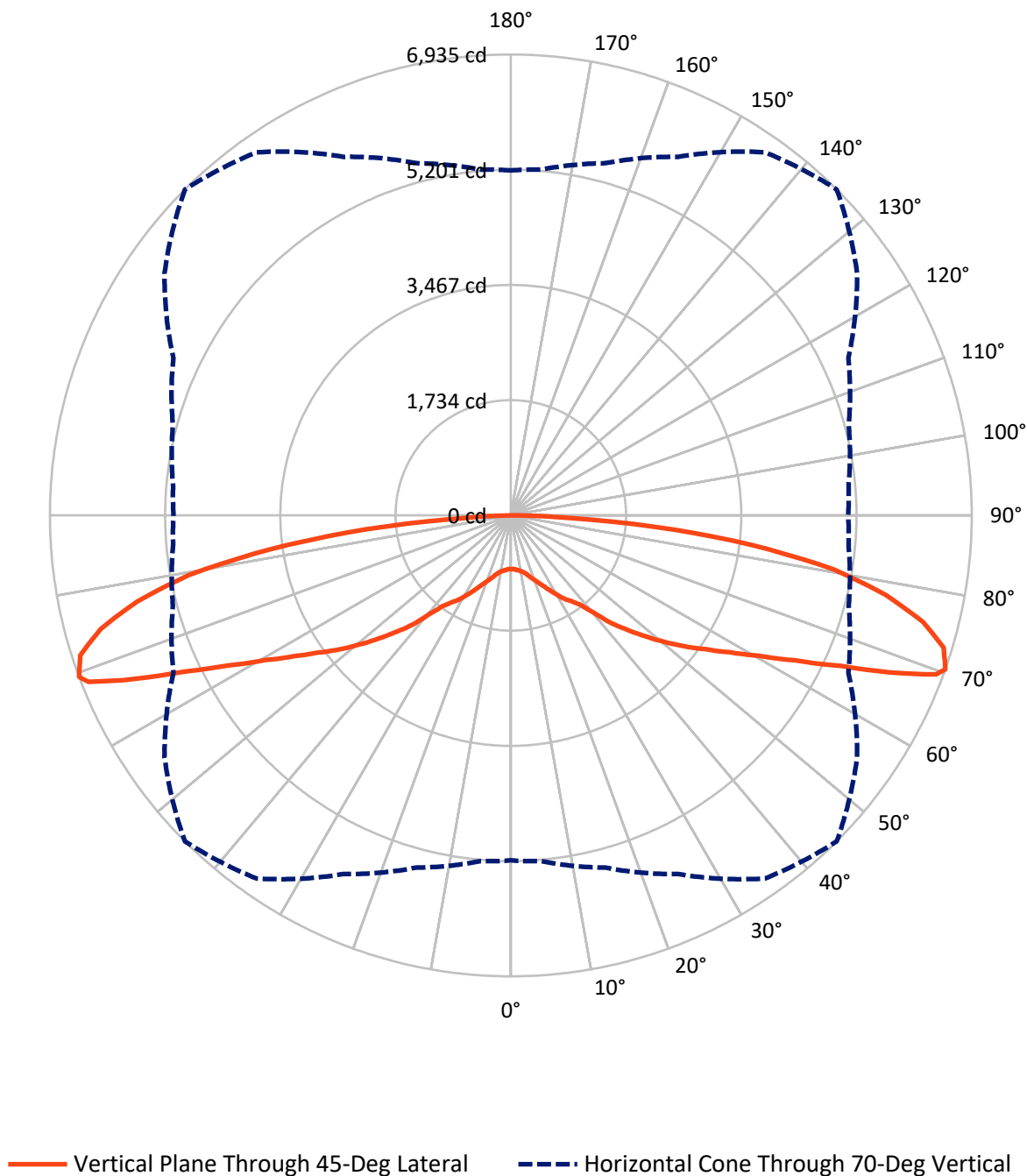


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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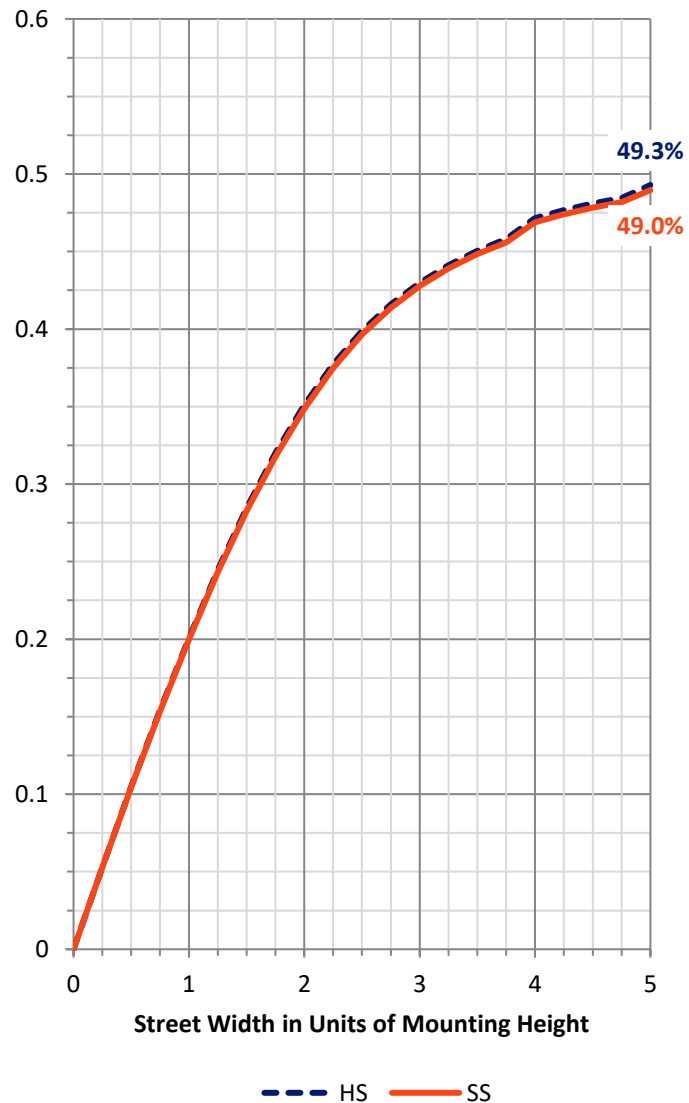
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9503.1	0.0	9503.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9503.1	0.0	9503.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19006.1	0.0	19006.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	0.4
10°-20°	265.1	1.4
20°-30°	548.4	2.9
30°-40°	1004.6	5.3
40°-50°	1989.7	10.5
50°-60°	3409.4	17.9
60°-70°	5368.0	28.2
70°-80°	5016.7	26.4
80°-90°	1324.6	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°	19006.1	100.0
0°-180°	19006.1	100.0

Coefficient of Utilization



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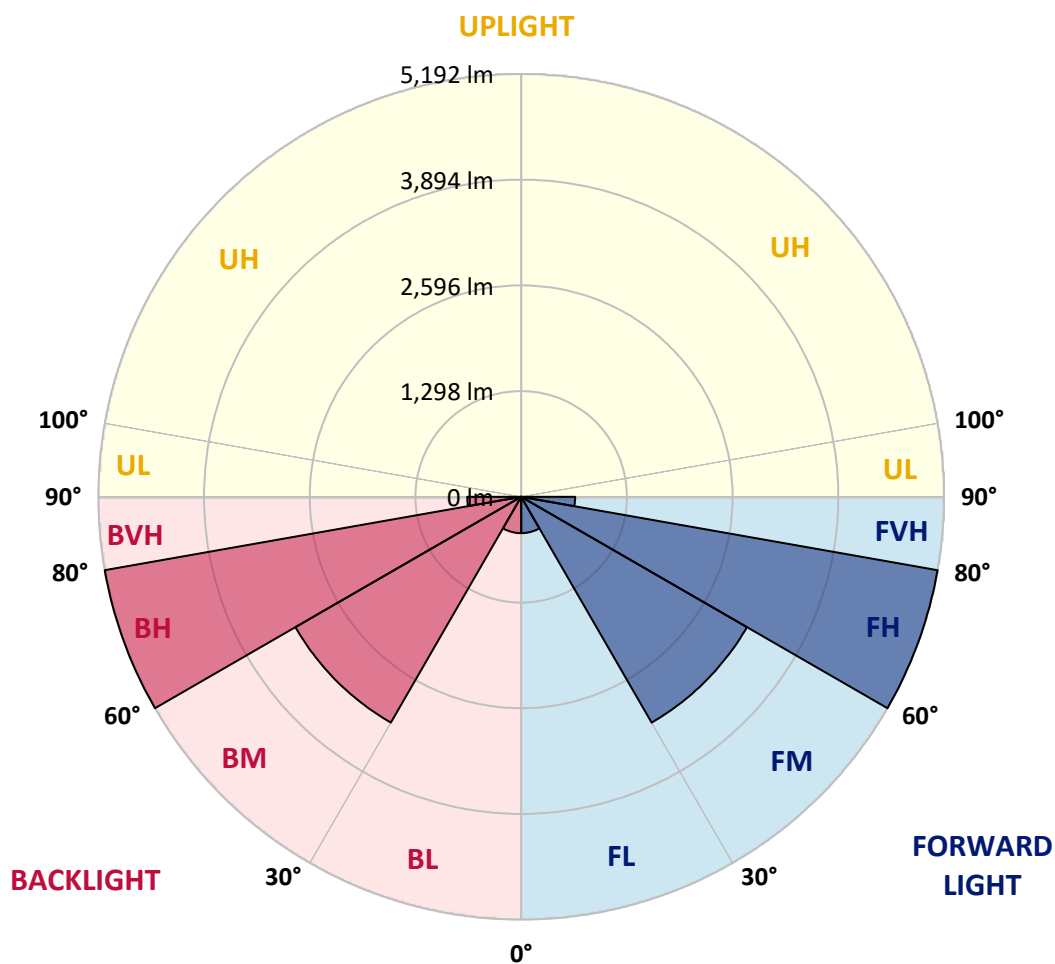
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.5	2.3			
FM	(30°-60°)	3201.9	16.8			
FH	(60°-80°)	5192.4	27.3			G3/7500
FVH	(80°-90°)	662.3	3.5			G4/750
BL	(0°-30°)	446.5	2.3	B1/500		
BM	(30°-60°)	3201.9	16.8	B3/5000		
BH	(60°-80°)	5192.4	27.3	B5		G3/7500
BVH	(80°-90°)	662.3	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°	808.5	808.5	808.5	808.5	808.5	808.5	808.5	808.5	808.5	808.5	808.5
2.5°	819.8	820.7	819.0	810.3	809.3	806.8	805.8	809.3	809.3	809.3	807.6
5°	834.7	832.0	826.8	823.3	821.5	819.8	817.2	822.5	824.2	826.8	819.8
7.5°	844.2	844.2	843.4	837.3	839.9	834.7	830.3	834.7	838.2	836.4	835.5
10°	863.4	865.2	861.7	855.6	860.9	851.2	845.2	848.7	847.7	846.9	848.7
12.5°	889.6	891.4	887.0	881.7	888.7	880.0	873.9	873.0	871.3	870.4	867.8
15°	925.4	926.2	922.7	918.4	928.9	923.6	920.1	908.8	908.8	906.2	907.1
17.5°	968.1	972.5	969.8	969.8	986.4	983.0	968.1	955.0	959.4	953.3	953.3
20°	1024.0	1022.2	1024.8	1029.2	1048.3	1043.2	1027.4	1009.1	1014.3	1008.2	1007.3
22.5°	1088.4	1089.4	1091.1	1094.6	1122.4	1112.9	1096.4	1081.5	1080.6	1077.2	1078.0
25°	1164.3	1163.5	1158.3	1171.3	1202.7	1193.1	1173.1	1162.6	1164.3	1164.3	1165.3
27.5°	1241.1	1235.0	1233.2	1234.1	1295.2	1289.9	1258.5	1239.3	1242.8	1249.8	1252.5
30°	1317.9	1316.1	1311.7	1306.5	1376.3	1394.6	1338.8	1327.4	1331.8	1343.1	1345.8
32.5°	1421.6	1417.3	1413.0	1399.8	1444.3	1501.9	1430.3	1433.0	1445.2	1462.7	1465.2
35°	1536.7	1537.6	1525.4	1514.1	1539.4	1589.1	1554.2	1557.7	1584.8	1608.3	1614.3
37.5°	1677.2	1679.8	1659.7	1636.2	1658.8	1711.2	1687.7	1724.2	1792.3	1830.7	1846.3
40°	1913.5	1907.4	1877.8	1833.3	1854.2	1924.9	1950.2	1997.3	2091.5	2144.7	2164.7
42.5°	2243.2	2231.8	2192.6	2145.6	2151.6	2212.6	2249.3	2340.9	2442.1	2497.0	2507.5
45°	2558.1	2552.9	2509.2	2424.6	2399.3	2453.5	2499.7	2613.9	2723.7	2781.4	2804.9
47.5°	2912.2	2907.8	2846.8	2737.7	2692.4	2716.8	2748.2	2879.9	2975.9	3038.6	3052.6
50°	3291.5	3281.1	3215.6	3082.2	2997.6	2988.9	3024.6	3137.2	3248.0	3302.9	3298.5
52.5°	3677.0	3672.7	3604.6	3440.6	3329.9	3273.3	3288.0	3384.0	3491.3	3561.1	3565.4
55°	4075.6	4079.1	4002.4	3805.3	3654.4	3554.1	3545.4	3656.1	3763.4	3822.7	3839.3
57.5°	4488.1	4489.0	4392.2	4210.8	4018.1	3886.3	3840.1	3963.2	4064.3	4117.5	4148.0
60°	4872.8	4881.5	4801.2	4652.1	4468.1	4291.1	4216.1	4324.2	4428.9	4504.8	4505.6
62.5°	5311.5	5305.4	5231.2	5110.0	4994.0	4802.2	4662.6	4776.9	4884.1	4952.2	4984.4
65°	5731.8	5742.3	5724.9	5676.1	5608.9	5462.4	5281.8	5437.9	5509.5	5506.0	5537.3
67.5°	5615.9	5663.9	5779.0	6025.8	6280.4	6341.5	6055.4	5715.3	5562.7	5466.8	5435.4
69°	5390.0	5443.2	5647.3	6014.5	6558.7	6830.8	6288.3	5648.1	5412.7	5279.3	5251.3
70°	5189.4	5221.7	5485.1	5952.5	6668.6	6934.6	6359.0	5601.9	5262.6	5100.5	5075.1
72.5°	4573.7	4638.2	4930.3	5623.7	6593.5	6809.0	6332.8	5296.6	4836.1	4574.5	4546.7
75°	3771.2	3836.6	4237.9	5021.1	6173.2	6404.3	5933.3	4749.0	4155.0	3902.0	3849.8
77.5°	2687.2	2735.1	3201.7	4141.0	5459.8	5773.7	5265.3	3977.1	3337.7	3057.0	2989.8
80°	1573.4	1592.6	2054.0	2949.7	4353.9	4925.1	4346.0	3085.7	2385.4	2076.7	2033.0
82.5°	592.2	740.4	1091.9	1823.7	2971.4	3653.5	3204.3	2106.2	1424.3	1105.1	1064.9
85°	180.5	246.9	466.6	903.6	1634.5	2167.3	2016.5	1168.8	591.3	337.6	294.8
87.5°	31.4	40.2	107.3	290.4	603.5	609.7	472.7	214.5	42.7	15.7	14.8
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)