

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: P286987

Luminaire Tested: **USSL-C027-D-U-T5-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286987
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-C027-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: 14616 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G4

Input Watts (W): 96
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



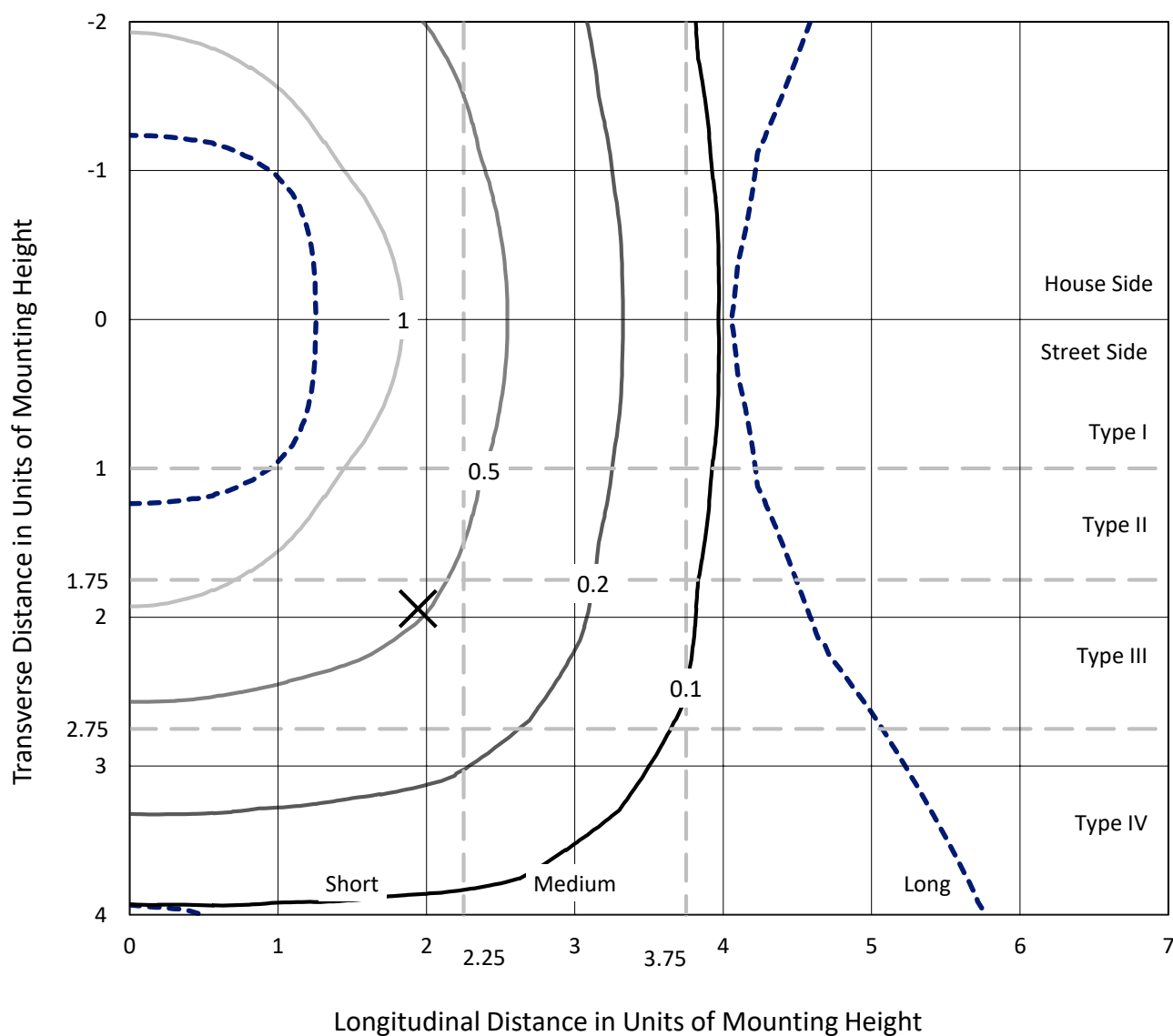
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

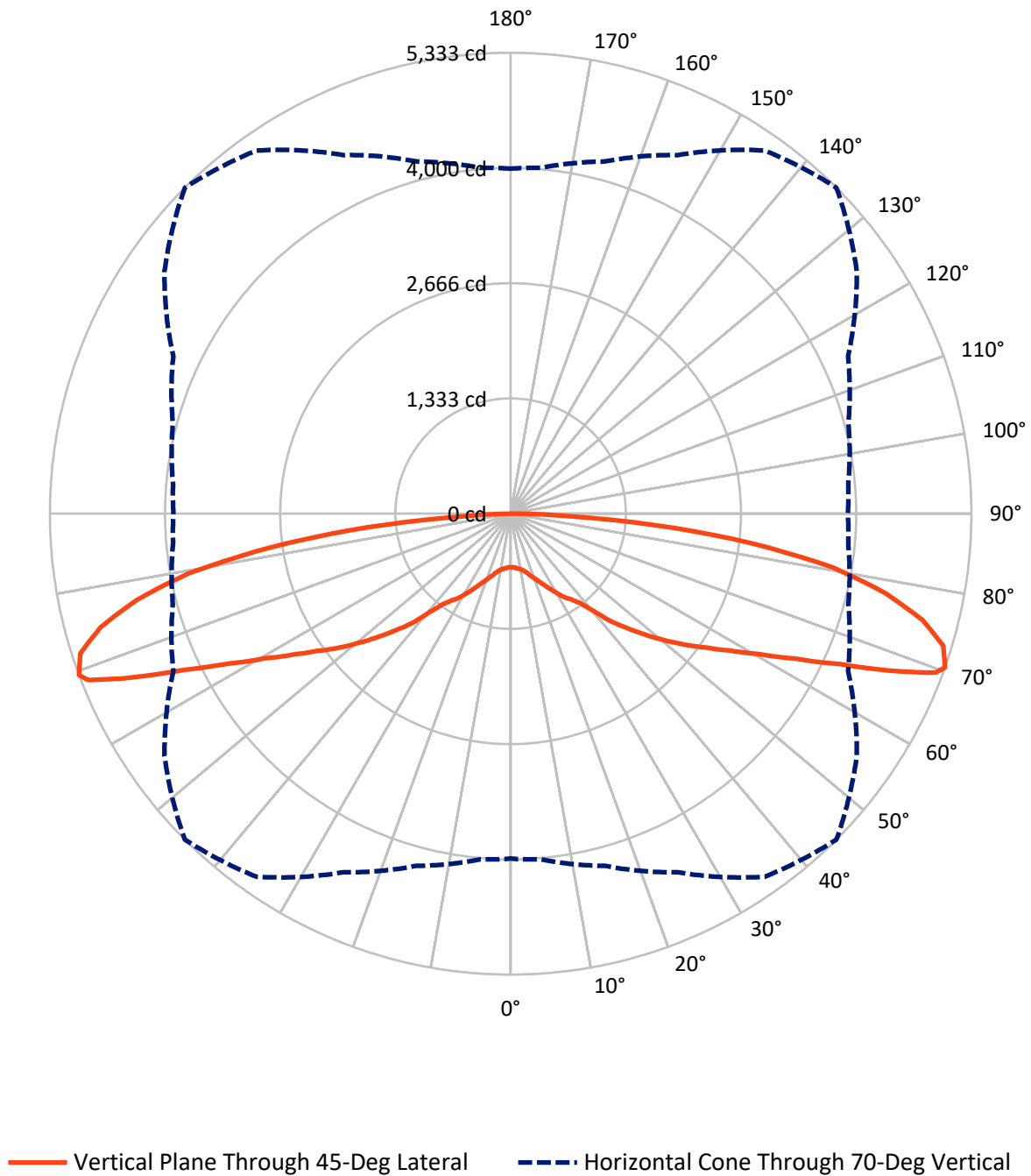


Based on 20 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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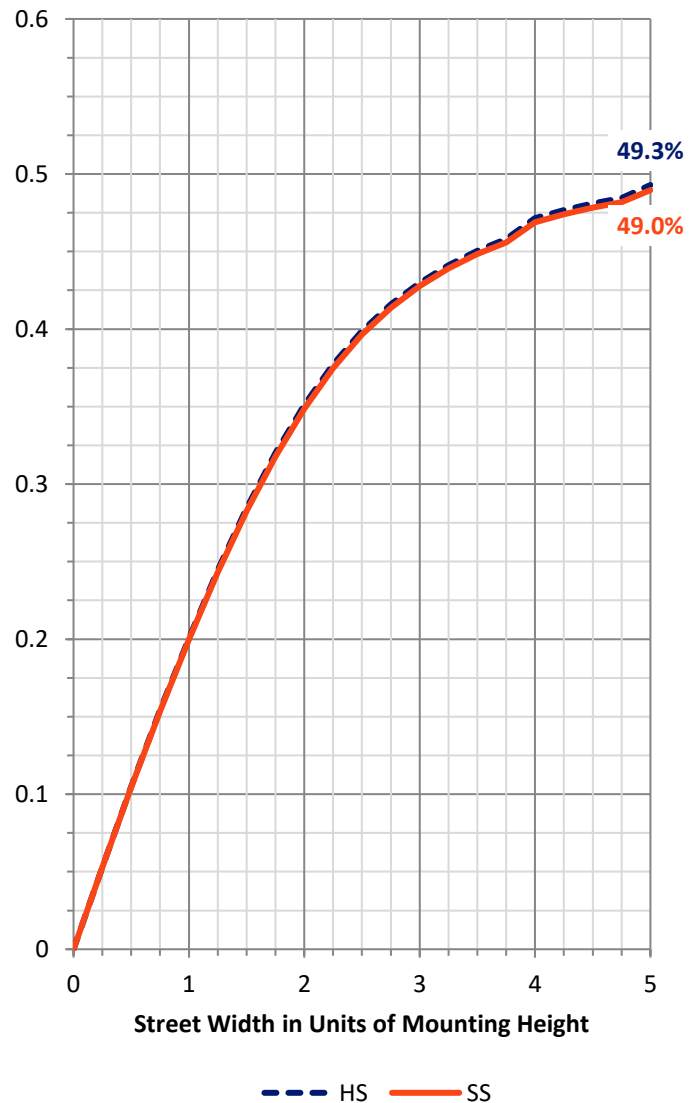
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7308.0	0.0	7308.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7308.0	0.0	7308.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14616.0	0.0	14616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	0.4
10°-20°	203.9	1.4
20°-30°	421.7	2.9
30°-40°	772.6	5.3
40°-50°	1530.1	10.5
50°-60°	2621.9	17.9
60°-70°	4128.1	28.2
70°-80°	3857.9	26.4
80°-90°	1018.7	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°	14616.0	100.0
0°-180°	14616.0	100.0

Coefficient of Utilization



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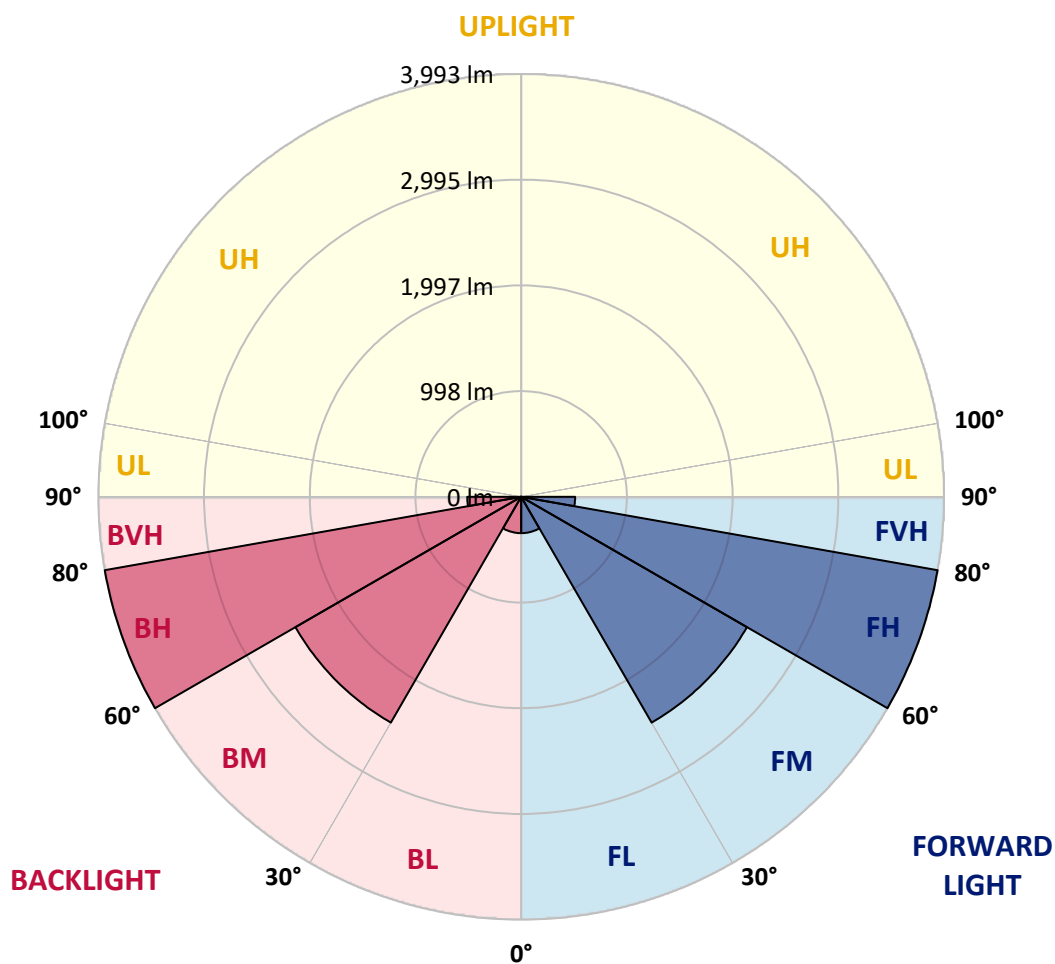
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.4	2.3			
FM	(30°-60°)	2462.3	16.8			
FH	(60°-80°)	3993.0	27.3			G2/5000
FVH	(80°-90°)	509.3	3.5			G4/750
BL	(0°-30°)	343.4	2.3	B1/500		
BM	(30°-60°)	2462.3	16.8	B2/2500		
BH	(60°-80°)	3993.0	27.3	B4/5000		G2/5000
BVH	(80°-90°)	509.3	3.5			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7	621.7
2.5°	630.4	631.2	629.8	623.1	622.4	620.4	619.7	622.4	622.4	622.4	621.1
5°	641.9	639.9	635.8	633.2	631.8	630.4	628.4	632.4	633.8	635.8	630.4
7.5°	649.3	649.3	648.6	643.9	645.9	641.9	638.5	641.9	644.5	643.3	642.5
10°	664.0	665.3	662.6	658.0	662.0	654.6	649.9	652.6	651.9	651.3	652.6
12.5°	684.2	685.4	682.2	678.1	683.4	676.7	672.1	671.3	670.1	669.3	667.3
15°	711.6	712.3	709.6	706.2	714.3	710.2	707.6	698.9	698.9	696.9	697.5
17.5°	744.5	747.9	745.9	745.9	758.6	755.9	744.5	734.4	737.8	733.1	733.1
20°	787.4	786.0	788.0	791.4	806.2	802.1	790.0	776.1	780.1	775.3	774.7
22.5°	837.0	837.7	839.0	841.8	863.2	855.9	843.0	831.7	831.0	828.3	828.9
25°	895.4	894.8	890.7	900.8	924.9	917.6	902.1	894.0	895.4	895.4	896.0
27.5°	954.4	949.8	948.4	949.0	996.0	992.0	967.8	953.1	955.7	961.1	963.1
30°	1013.5	1012.1	1008.7	1004.7	1058.4	1072.5	1029.6	1020.8	1024.2	1032.9	1034.9
32.5°	1093.3	1089.9	1086.5	1076.5	1110.7	1155.0	1100.0	1102.0	1111.4	1124.8	1126.8
35°	1181.8	1182.4	1173.1	1164.4	1183.8	1222.1	1195.2	1197.9	1218.7	1236.8	1241.5
37.5°	1289.8	1291.8	1276.3	1258.2	1275.7	1316.0	1297.8	1326.0	1378.3	1407.9	1419.8
40°	1471.6	1466.8	1444.0	1409.9	1425.9	1480.3	1499.8	1535.9	1608.4	1649.3	1664.7
42.5°	1725.1	1716.3	1686.2	1649.9	1654.6	1701.6	1729.8	1800.1	1878.0	1920.2	1928.3
45°	1967.2	1963.1	1929.7	1864.6	1845.1	1886.7	1922.2	2010.1	2094.7	2138.9	2157.0
47.5°	2239.5	2236.2	2189.2	2105.4	2070.5	2089.3	2113.4	2214.7	2288.4	2336.8	2347.5
50°	2531.3	2523.2	2473.0	2370.3	2305.3	2298.5	2326.1	2412.5	2497.8	2539.9	2536.7
52.5°	2827.7	2824.3	2772.1	2645.9	2560.8	2517.2	2528.6	2602.4	2684.8	2738.5	2741.9
55°	3134.2	3136.9	3077.8	2926.3	2810.3	2733.2	2726.5	2811.6	2894.2	2939.7	2952.5
57.5°	3451.5	3452.1	3377.7	3238.2	3089.9	2988.7	2953.1	3047.7	3125.5	3166.5	3189.9
60°	3747.3	3754.0	3692.3	3577.6	3436.1	3299.9	3242.2	3325.3	3405.9	3464.2	3464.9
62.5°	4084.6	4080.0	4023.0	3929.7	3840.4	3692.9	3585.6	3673.5	3756.0	3808.3	3833.1
65°	4407.9	4416.0	4402.5	4365.0	4313.4	4200.7	4061.9	4181.8	4236.8	4234.2	4258.4
67.5°	4318.7	4355.6	4444.2	4634.0	4829.8	4876.7	4656.8	4395.2	4277.8	4204.0	4179.8
69°	4145.0	4185.9	4342.8	4625.2	5043.7	5253.0	4835.8	4343.5	4162.4	4059.8	4038.3
70°	3990.7	4015.5	4218.1	4577.6	5128.2	5332.8	4890.2	4308.0	4047.0	3922.3	3902.9
72.5°	3517.2	3566.9	3791.5	4324.7	5070.6	5236.2	4870.0	4073.2	3719.1	3517.9	3496.4
75°	2900.2	2950.4	3259.0	3861.3	4747.3	4925.0	4562.9	3652.0	3195.3	3000.8	2960.5
77.5°	2066.5	2103.4	2462.1	3184.6	4198.7	4440.1	4049.0	3058.4	2566.8	2350.9	2299.2
80°	1210.0	1224.7	1579.6	2268.3	3348.2	3787.6	3342.2	2373.0	1834.4	1597.0	1563.5
82.5°	455.4	569.5	839.8	1402.5	2285.1	2809.6	2464.2	1619.7	1095.3	849.8	819.0
85°	138.8	189.8	358.9	694.9	1256.9	1666.7	1550.6	898.8	454.7	259.6	226.7
87.5°	24.2	30.8	82.5	223.3	464.1	468.8	363.5	165.0	32.9	12.1	11.4
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)