

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: P286993

Luminaire Tested: **USSL-C02-D-U-T5-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286993
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-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21360 lumens
Efficiency: N/A
Efficacy: 139.6 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): 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



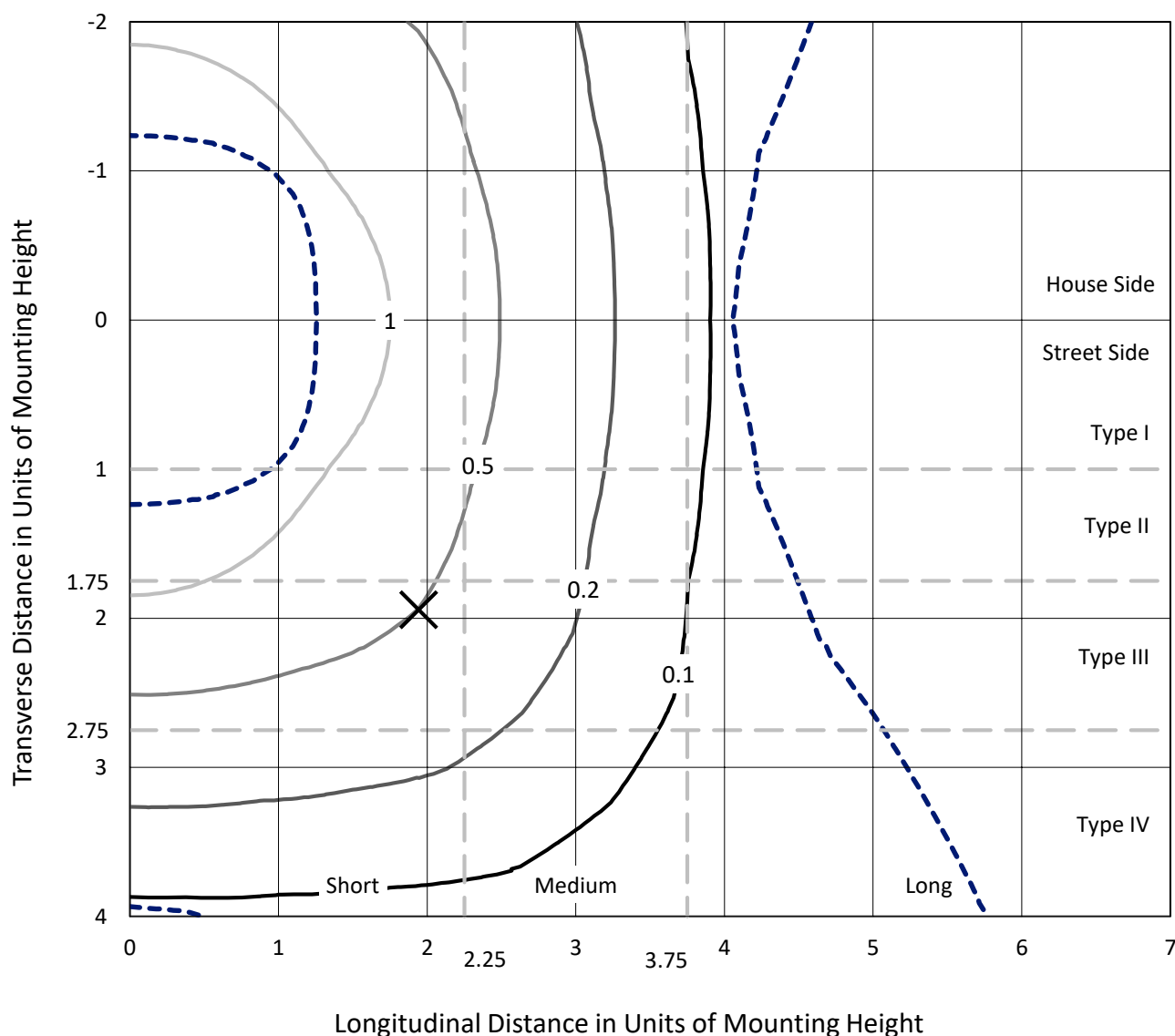
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

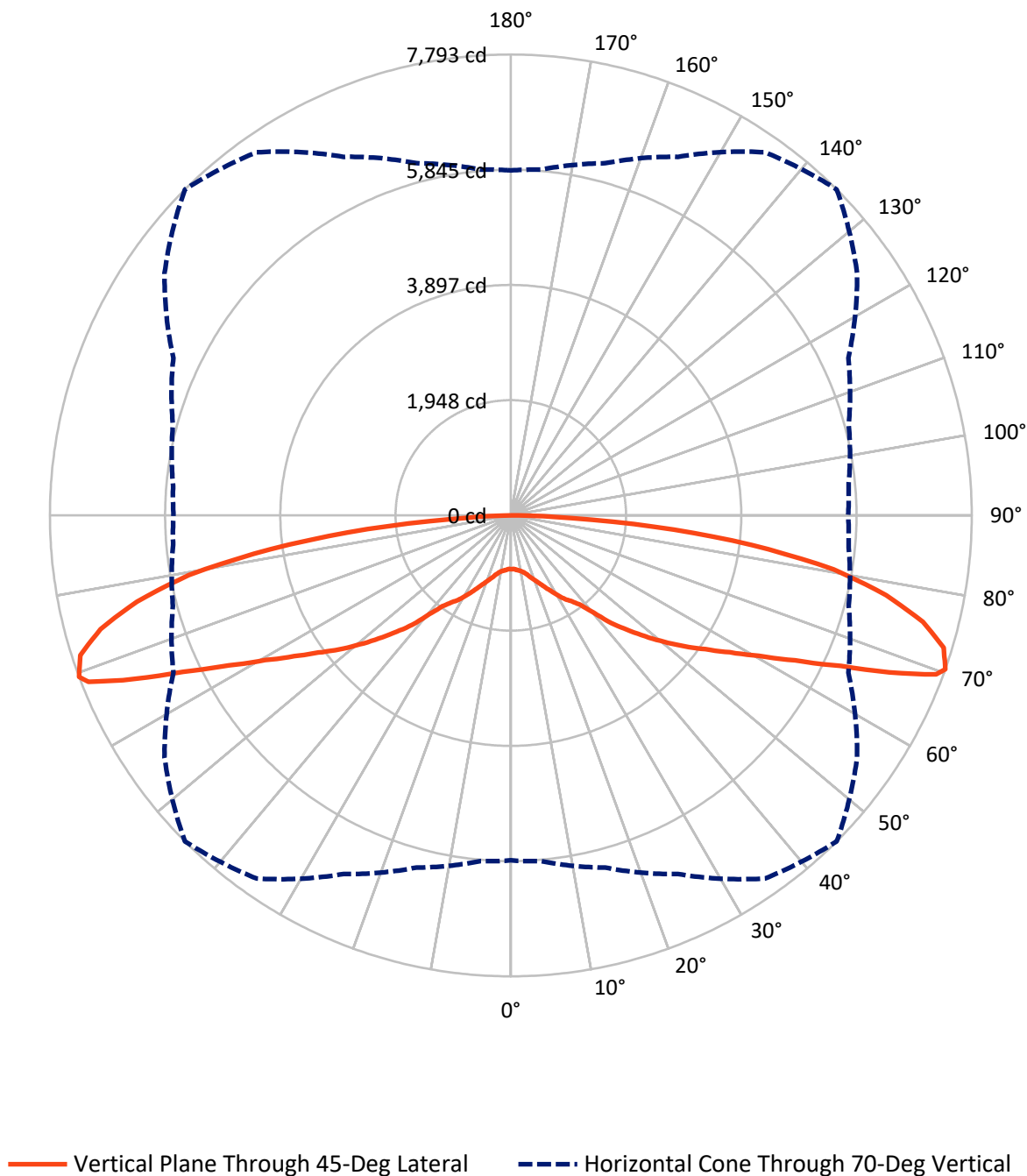


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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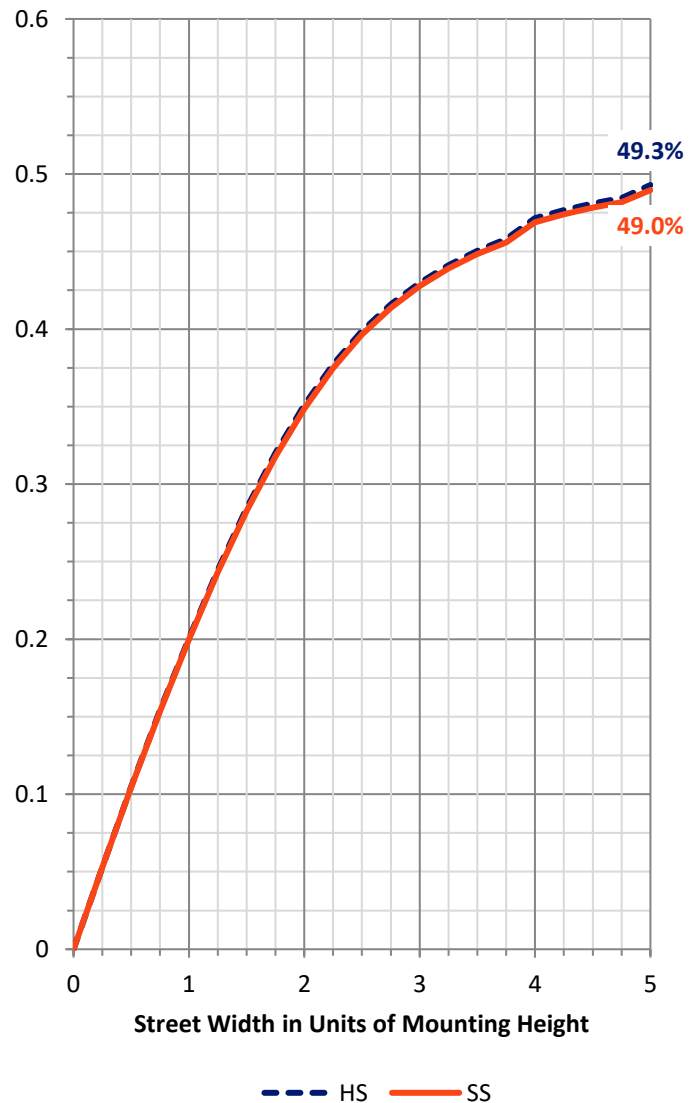
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10680.0	0.0	10680.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10680.0	0.0	10680.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21360.0	0.0	21360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	0.4
10°-20°	298.0	1.4
20°-30°	616.3	2.9
30°-40°	1129.1	5.3
40°-50°	2236.1	10.5
50°-60°	3831.7	17.9
60°-70°	6032.9	28.2
70°-80°	5638.0	26.4
80°-90°	1488.7	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°	21360.0	100.0
0°-180°	21360.0	100.0

Coefficient of Utilization



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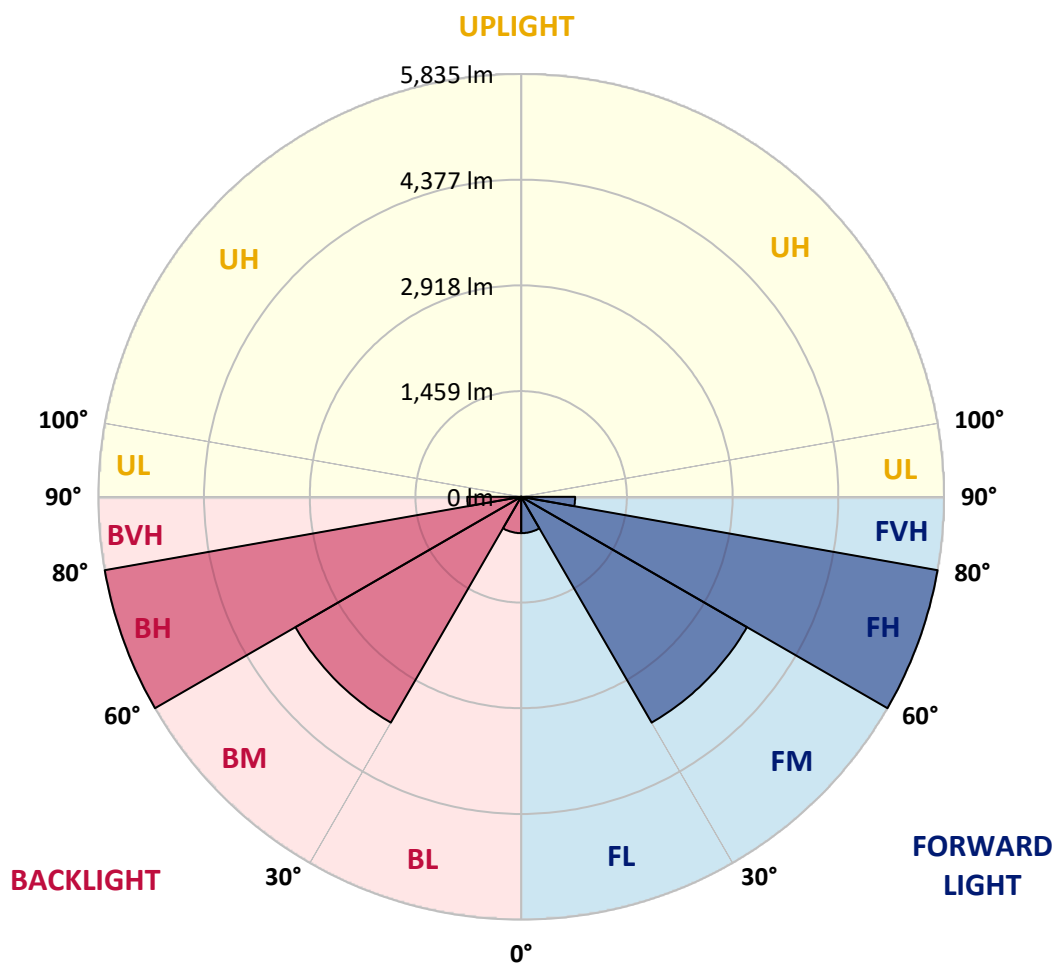
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	501.8	2.3			
FM	(30°-60°)	3598.4	16.8			
FH	(60°-80°)	5835.4	27.3			G3/7500
FVH	(80°-90°)	744.3	3.5			G4/750
BL	(0°-30°)	501.8	2.3	B2/1000		
BM	(30°-60°)	3598.4	16.8	B3/5000		
BH	(60°-80°)	5835.4	27.3	B5		G3/7500
BVH	(80°-90°)	744.3	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°	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6
2.5°	921.4	922.4	920.4	910.6	909.6	906.7	905.7	909.6	909.6	909.6	907.6
5°	938.0	935.1	929.2	925.3	923.3	921.4	918.4	924.3	926.3	929.2	921.4
7.5°	948.8	948.8	947.8	941.0	943.9	938.0	933.1	938.0	942.0	940.0	939.0
10°	970.4	972.3	968.4	961.6	967.4	956.7	949.8	953.7	952.7	951.8	953.7
12.5°	999.8	1001.7	996.8	991.0	998.8	989.0	982.1	981.2	979.2	978.2	975.3
15°	1040.0	1041.0	1037.0	1032.1	1043.9	1038.0	1034.1	1021.4	1021.4	1018.4	1019.4
17.5°	1088.0	1092.9	1090.0	1090.0	1108.6	1104.7	1088.0	1073.3	1078.2	1071.3	1071.3
20°	1150.7	1148.8	1151.7	1156.6	1178.2	1172.3	1154.7	1134.1	1140.0	1133.1	1132.1
22.5°	1223.3	1224.2	1226.2	1230.1	1261.5	1250.7	1232.1	1215.4	1214.4	1210.5	1211.5
25°	1308.5	1307.6	1301.7	1316.4	1351.7	1340.9	1318.3	1306.6	1308.5	1308.5	1309.5
27.5°	1394.8	1387.9	1386.0	1387.0	1455.6	1449.7	1414.4	1392.8	1396.8	1404.6	1407.5
30°	1481.1	1479.1	1474.2	1468.3	1546.7	1567.3	1504.6	1491.8	1496.7	1509.5	1512.4
32.5°	1597.7	1592.8	1587.9	1573.2	1623.2	1687.9	1607.5	1610.4	1624.2	1643.8	1646.7
35°	1727.1	1728.1	1714.3	1701.6	1730.0	1785.9	1746.7	1750.6	1781.0	1807.5	1814.3
37.5°	1884.9	1887.8	1865.3	1838.8	1864.3	1923.1	1896.7	1937.8	2014.3	2057.4	2075.0
40°	2150.5	2143.7	2110.3	2060.3	2083.9	2163.3	2191.7	2244.6	2350.5	2410.3	2432.8
42.5°	2521.0	2508.3	2464.2	2411.3	2418.1	2486.7	2527.9	2630.8	2744.5	2806.3	2818.0
45°	2874.9	2869.0	2820.0	2724.9	2696.5	2757.3	2809.2	2937.6	3061.1	3125.8	3152.3
47.5°	3272.8	3267.9	3199.3	3076.8	3025.8	3053.3	3088.6	3236.6	3344.4	3415.0	3430.6
50°	3699.2	3687.4	3613.9	3464.0	3368.9	3359.1	3399.3	3525.7	3650.2	3712.0	3707.1
52.5°	4132.5	4127.6	4051.1	3866.8	3742.3	3678.6	3695.3	3803.1	3923.7	4002.1	4007.0
55°	4580.4	4584.3	4498.1	4276.5	4107.0	3994.2	3984.4	4108.9	4229.5	4296.1	4314.8
57.5°	5044.0	5045.0	4936.2	4732.3	4515.7	4367.7	4315.7	4454.0	4567.7	4627.4	4661.8
60°	5476.3	5486.1	5395.9	5228.3	5021.5	4822.5	4738.2	4859.7	4977.4	5062.6	5063.6
62.5°	5969.3	5962.5	5879.1	5742.9	5612.5	5396.9	5240.1	5368.5	5489.0	5565.5	5601.7
65°	6441.8	6453.5	6433.9	6379.0	6303.6	6138.9	5936.0	6111.4	6191.8	6187.9	6223.2
67.5°	6311.4	6365.3	6494.7	6772.1	7058.3	7126.9	6805.4	6423.1	6251.6	6143.8	6108.5
69°	6057.5	6117.3	6346.7	6759.3	7371.0	7676.8	7067.1	6347.7	6083.0	5933.0	5901.7
70°	5832.1	5868.4	6164.4	6689.7	7494.5	7793.4	7146.5	6295.7	5914.4	5732.1	5703.7
72.5°	5140.1	5212.6	5541.0	6320.2	7410.2	7652.3	7117.1	5952.7	5435.1	5141.1	5109.7
75°	4238.3	4311.8	4762.7	5642.9	6937.7	7197.5	6668.2	5337.1	4669.6	4385.3	4326.5
77.5°	3019.9	3073.9	3598.3	4653.9	6135.9	6488.8	5917.4	4469.6	3751.2	3435.5	3360.1
80°	1768.3	1789.8	2308.3	3315.0	4893.1	5535.1	4884.3	3467.9	2680.8	2333.8	2284.8
82.5°	665.5	832.2	1227.2	2049.6	3339.5	4106.0	3601.2	2367.1	1600.6	1241.9	1196.8
85°	202.9	277.4	524.4	1015.5	1836.9	2435.8	2266.2	1313.4	664.6	379.3	331.3
87.5°	35.3	45.1	120.6	326.4	678.3	685.1	531.3	241.1	48.0	17.6	16.7
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)