

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: P835945

Luminaire Tested: **ARCH3-120-722-U-5WQ**

Issue Date: 5/16/2024

Test Information

Test Method: LM-79-08
Report Number: P835945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-120-722-U-5WQ
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 965mA LIGHTSQUARE WITH 40 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

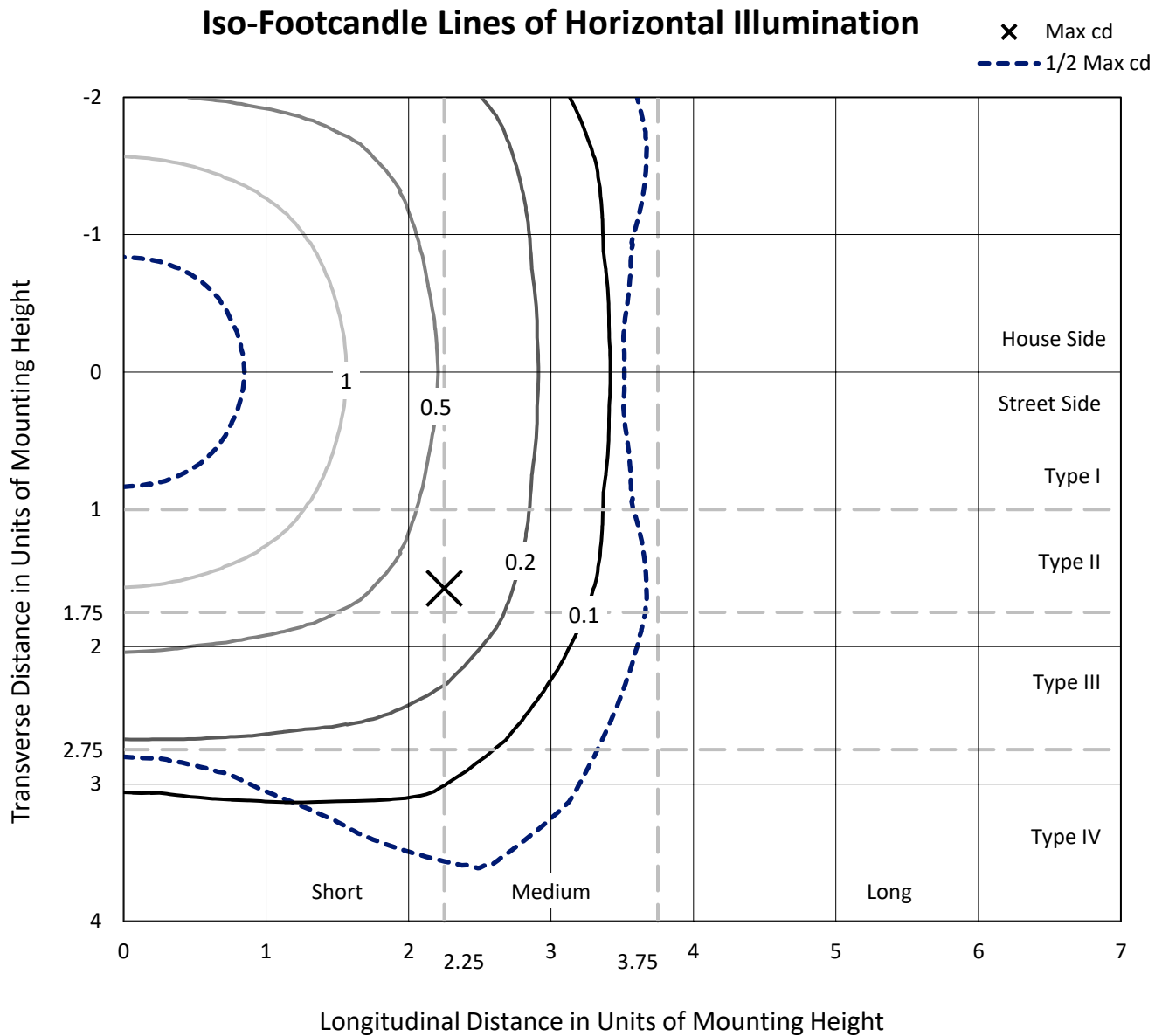
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15791 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B4 - U0 - G2

Input Watts (W): 122.7
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: 24 FT



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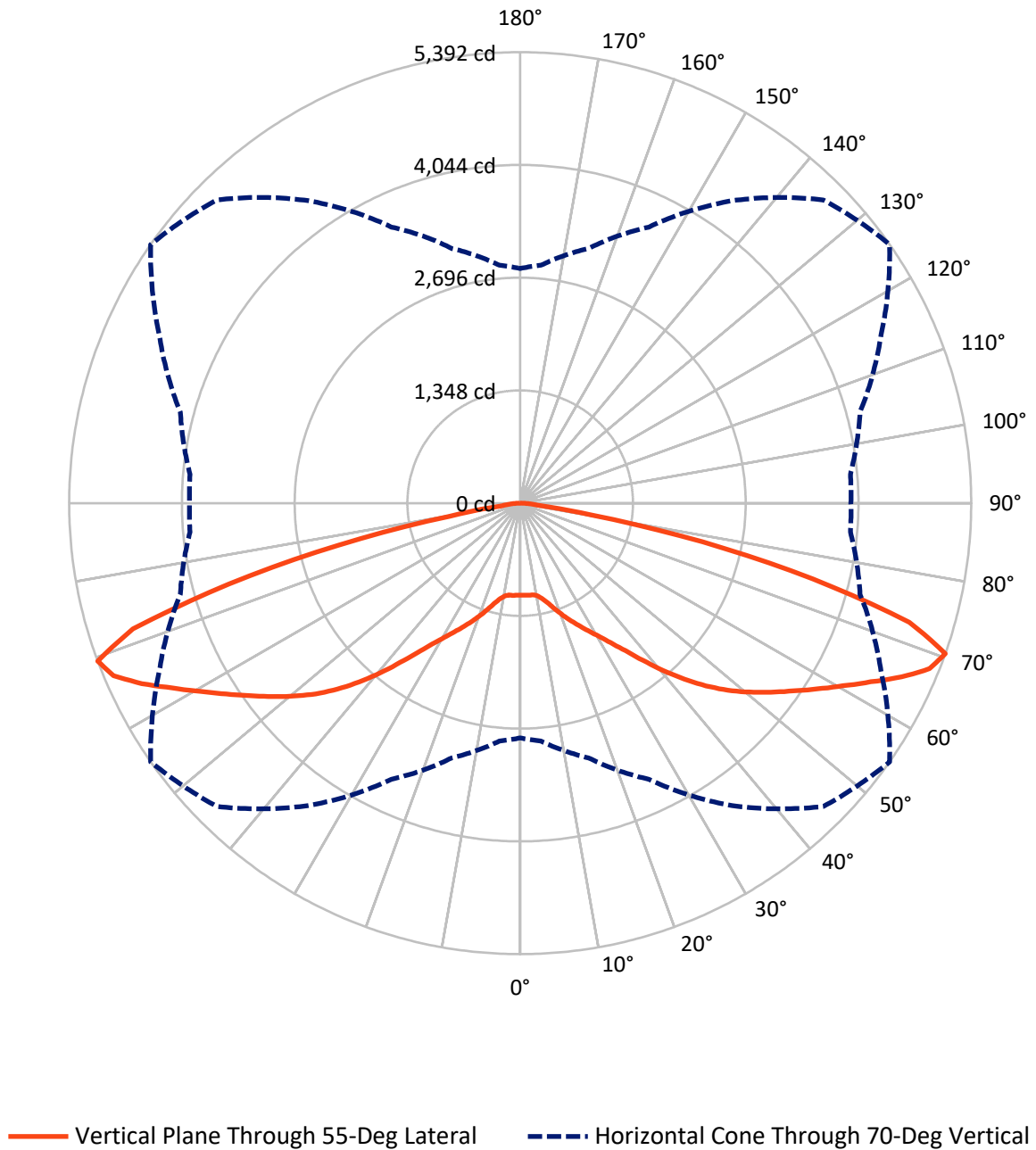


Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type V - Medium - N/A

REPORT NUMBER: P835945

CATALOG NUMBER: ARCH3-120-722-U-5WQ

Luminous Intensity Polar Plot



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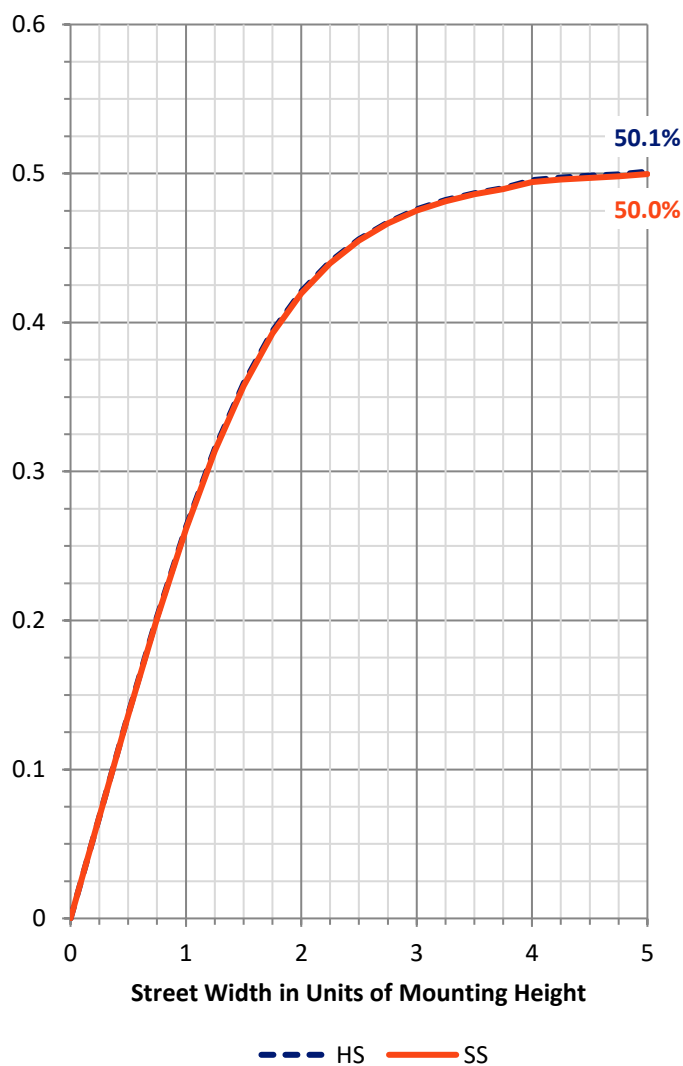
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7895.5	0.0	7895.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7895.5	0.0	7895.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15791.0	0.0	15791.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	0.7
10°-20°	361.7	2.3
20°-30°	751.5	4.8
30°-40°	1388.0	8.8
40°-50°	2438.4	15.4
50°-60°	3516.8	22.3
60°-70°	4304.2	27.3
70°-80°	2738.8	17.3
80°-90°	185.3	1.2
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°	15791.0	100.0
0°-180°	15791.0	100.0

Coefficient of Utilization



REPORT NUMBER: P835945

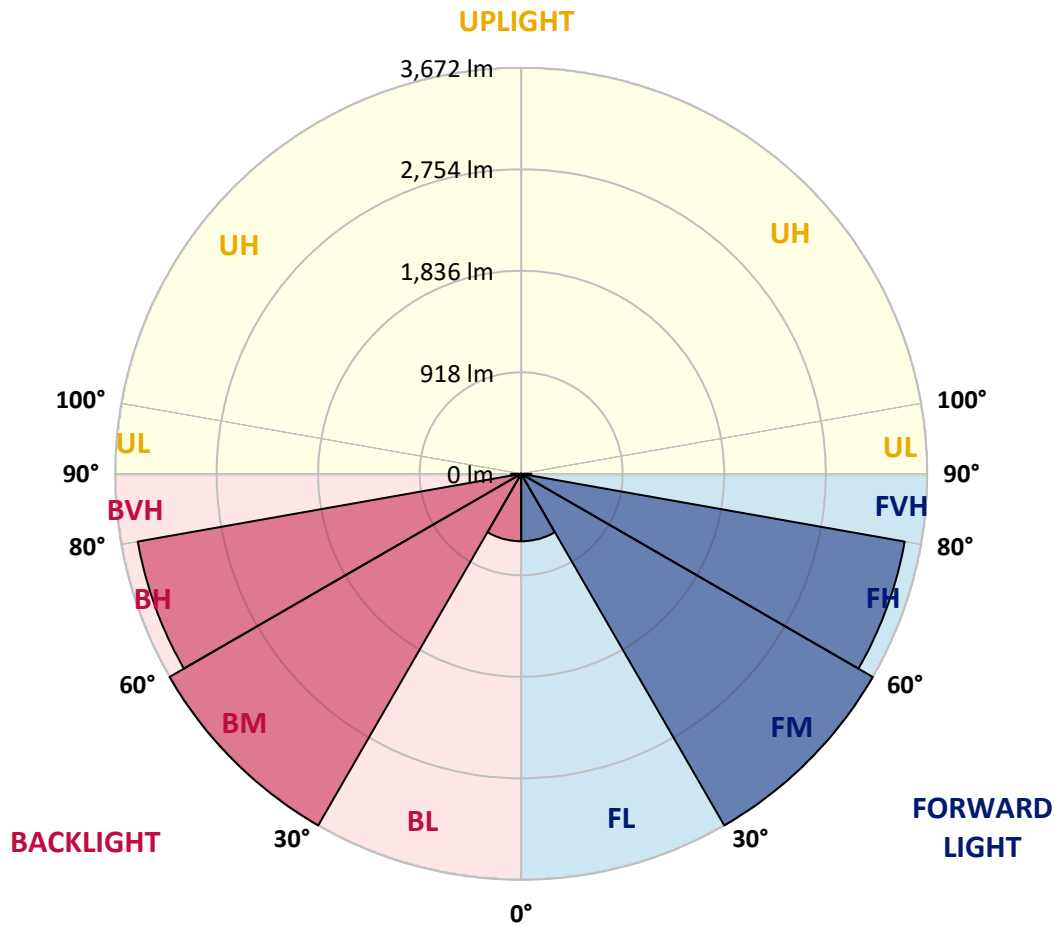
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	609.7	3.9			
FM	(30°-60°)	3671.6	23.3			
FH	(60°-80°)	3521.5	22.3			G2/5000
FVH	(80°-90°)	92.7	0.6			G1/100
BL	(0°-30°)	609.7	3.9	B2/1000		
BM	(30°-60°)	3671.6	23.3	B3/5000		
BH	(60°-80°)	3521.5	22.3	B4/5000		G2/5000
BVH	(80°-90°)	92.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Medium



REPORT NUMBER: P835945

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1100.8	1100.8	1100.8	1100.8	1100.8	1100.8	1100.8	1100.8	1100.8	1100.8	1100.8
2.5°	1115.5	1115.5	1112.5	1112.5	1106.7	1103.7	1100.8	1100.8	1097.8	1097.8	1094.9
5°	1121.3	1121.3	1121.3	1118.4	1115.5	1112.5	1106.7	1100.8	1097.8	1094.9	1092.0
7.5°	1124.3	1124.3	1121.3	1121.3	1118.4	1115.5	1106.7	1097.8	1094.9	1092.0	1092.0
10°	1147.7	1144.8	1141.9	1136.0	1136.0	1136.0	1124.3	1115.5	1112.5	1112.5	1112.5
12.5°	1203.5	1200.6	1194.7	1185.9	1185.9	1188.8	1171.2	1159.5	1159.5	1156.6	1156.6
15°	1285.7	1282.8	1276.9	1262.2	1259.3	1265.2	1238.7	1227.0	1227.0	1227.0	1224.1
17.5°	1376.7	1370.8	1362.0	1350.3	1350.3	1350.3	1323.9	1309.2	1300.4	1300.4	1297.5
20°	1453.0	1450.1	1450.1	1447.2	1456.0	1456.0	1420.7	1397.3	1376.7	1365.0	1362.0
22.5°	1520.5	1517.6	1523.5	1535.2	1552.8	1558.7	1517.6	1482.4	1450.1	1426.6	1420.7
25°	1611.5	1608.6	1605.7	1623.3	1652.6	1661.4	1617.4	1573.4	1541.1	1529.4	1523.5
27.5°	1708.4	1711.3	1714.3	1731.9	1755.4	1770.1	1726.0	1684.9	1658.5	1640.9	1635.0
30°	1817.0	1822.9	1831.7	1858.1	1875.7	1881.6	1843.4	1814.1	1790.6	1775.9	1767.1
32.5°	1955.0	1966.7	1978.5	2002.0	2010.8	2004.9	1987.3	1966.7	1949.1	1928.6	1925.6
35°	2160.5	2172.2	2169.3	2178.1	2181.0	2175.1	2166.3	2154.6	2145.8	2119.4	2116.4
37.5°	2418.8	2430.5	2412.9	2404.1	2383.6	2386.5	2383.6	2392.4	2395.3	2368.9	2365.9
40°	2680.0	2691.8	2668.3	2644.8	2624.3	2615.5	2630.1	2659.5	2659.5	2641.9	2641.9
42.5°	2958.9	2967.7	2929.5	2900.2	2873.8	2867.9	2876.7	2911.9	2920.7	2917.8	2917.8
45°	3237.8	3231.9	3182.0	3152.6	3129.2	3114.5	3117.4	3143.8	3161.4	3170.3	3170.3
47.5°	3452.1	3443.2	3402.1	3378.7	3364.0	3343.4	3343.4	3358.1	3366.9	3369.9	3369.9
50°	3622.3	3613.5	3572.4	3569.5	3569.5	3560.7	3551.9	3548.9	3543.0	3546.0	3546.0
52.5°	3769.1	3757.3	3728.0	3733.9	3760.3	3766.1	3754.4	3730.9	3707.4	3698.6	3701.6
55°	3927.6	3910.0	3886.5	3904.1	3956.9	3980.4	3962.8	3915.8	3874.8	3848.3	3848.3
57.5°	4053.8	4033.3	4033.3	4083.2	4180.0	4227.0	4188.8	4100.8	4030.3	4001.0	4003.9
60°	3965.7	3948.1	4018.6	4238.7	4420.7	4500.0	4435.4	4279.8	4165.4	4130.1	4136.0
62.5°	3792.6	3780.8	3868.9	4209.4	4638.0	4802.3	4705.5	4482.4	4312.1	4271.0	4271.0
65°	3537.2	3534.2	3657.5	4077.3	4687.9	5092.9	5010.8	4702.5	4482.4	4426.6	4438.4
67.5°	3273.0	3273.0	3384.5	3851.3	4629.2	5216.2	5280.8	4902.1	4564.6	4426.6	4429.5
70°	2806.3	2856.2	3152.6	3642.9	4414.9	5128.2	5392.4	4761.2	4206.5	3962.8	3954.0
72.5°	1849.3	1913.9	2503.9	3278.9	4203.5	4808.2	4866.9	4183.0	3493.1	3208.4	3193.7
75°	1115.5	1171.2	1623.3	2559.7	3695.7	3871.8	3613.5	3278.9	2609.6	2386.5	2386.5
77.5°	328.8	366.9	748.5	1623.3	2556.7	2545.0	2228.0	1931.5	1544.0	1312.1	1329.7
80°	193.7	199.6	243.6	739.7	1059.7	1115.5	860.1	537.2	537.2	399.2	387.5
82.5°	149.7	149.7	155.6	184.9	255.4	284.7	217.2	184.9	211.4	179.1	170.3
85°	105.7	105.7	105.7	108.6	111.5	114.5	120.4	123.3	135.0	111.5	105.7
87.5°	32.3	35.2	38.2	44.0	52.8	55.8	58.7	52.8	52.8	49.9	47.0
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)