

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: P316646

Luminaire Tested: **GAN-SA2C-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12081 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

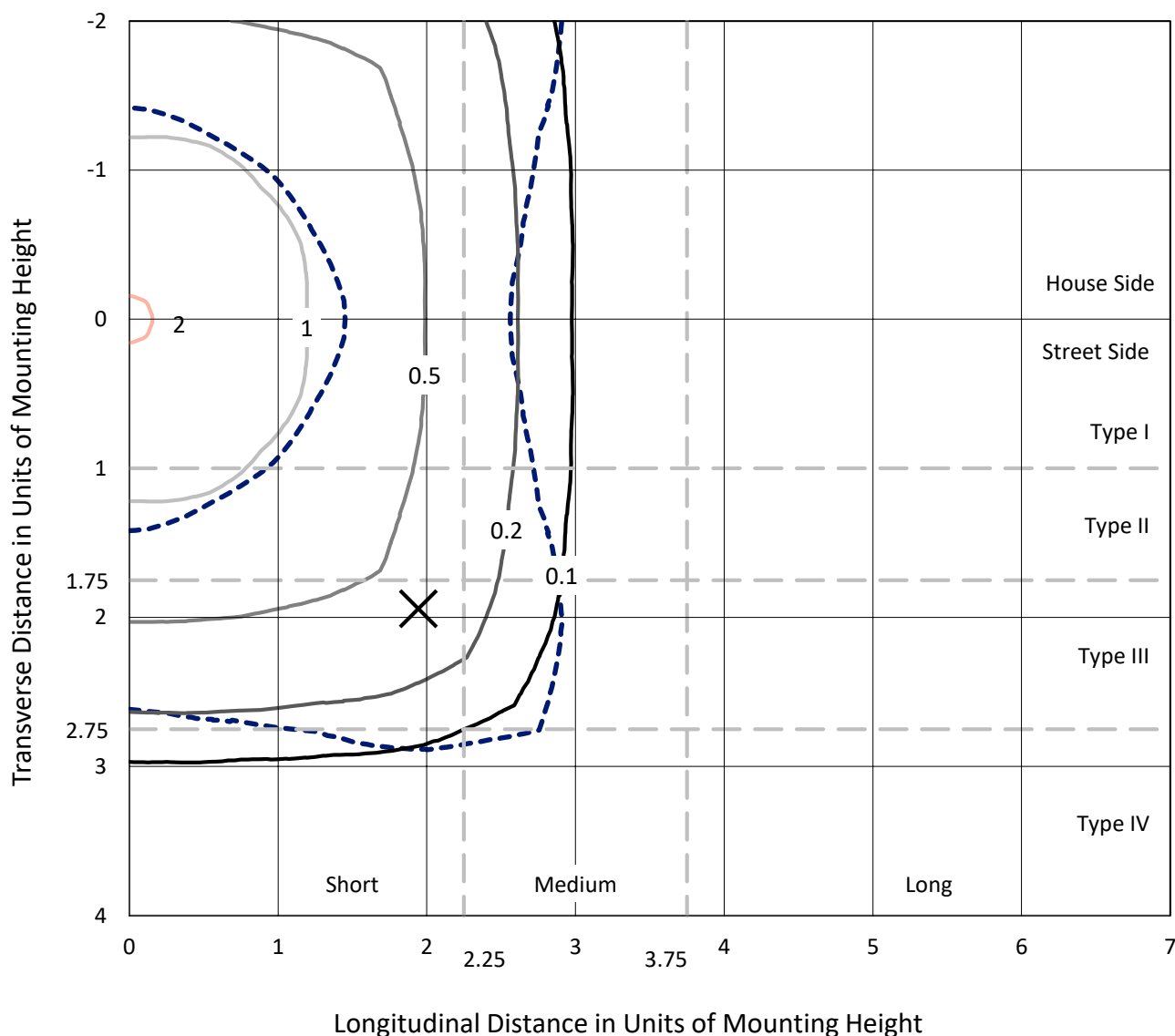
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

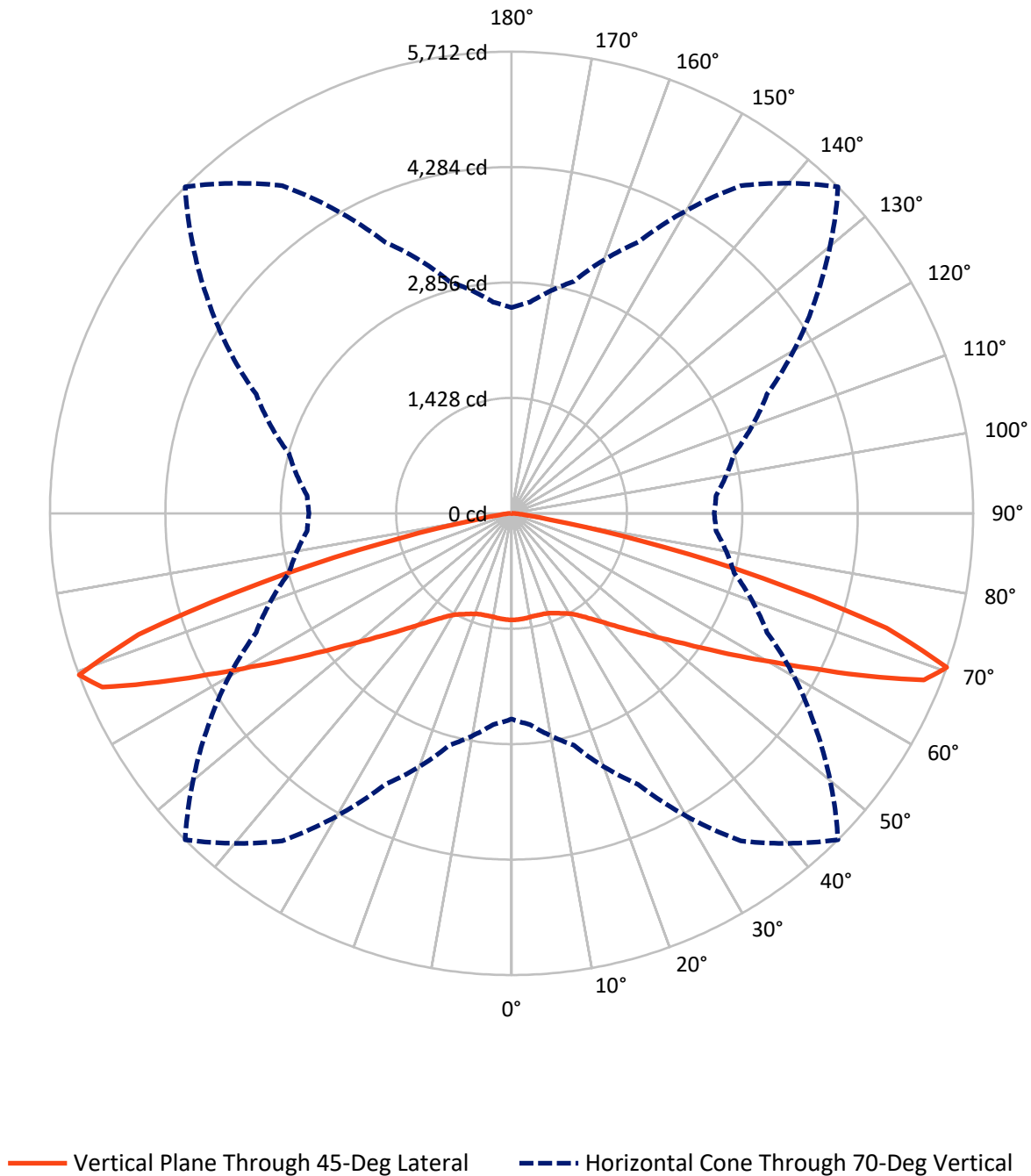
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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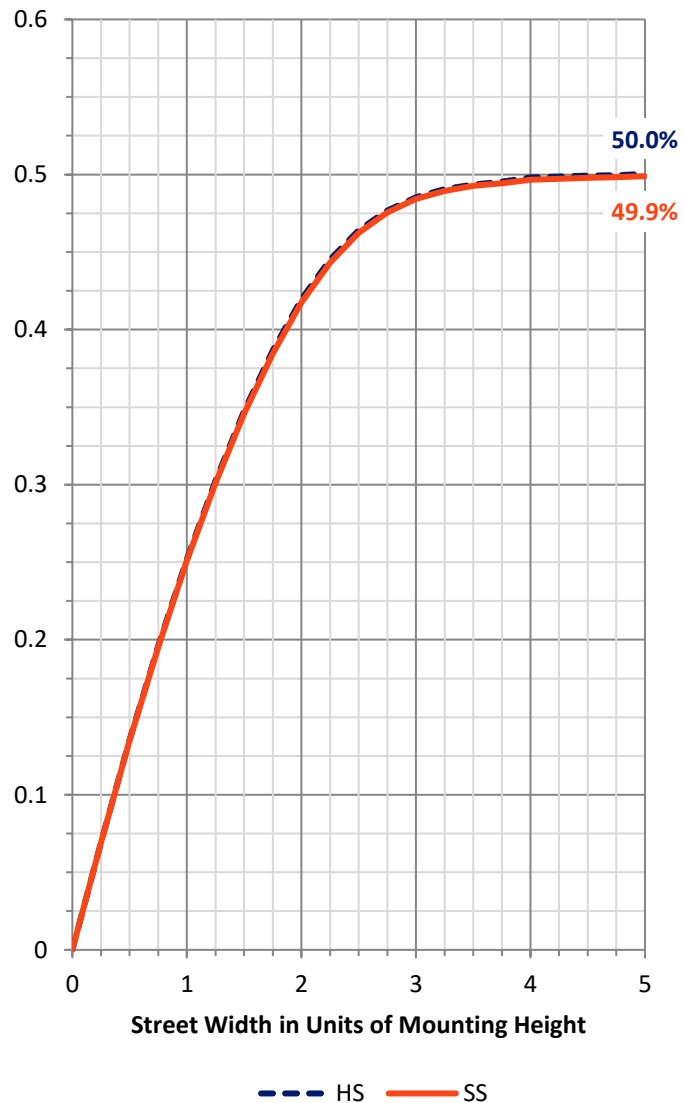
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6040.5	0.0	6040.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6040.5	0.0	6040.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12081.0	0.0	12081.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	1.0
10°-20°	366.8	3.0
20°-30°	624.5	5.2
30°-40°	990.5	8.2
40°-50°	1611.8	13.3
50°-60°	2657.6	22.0
60°-70°	3901.4	32.3
70°-80°	1725.2	14.3
80°-90°	78.1	0.6
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°	12081.0	100.0
0°-180°	12081.0	100.0

Coefficient of Utilization



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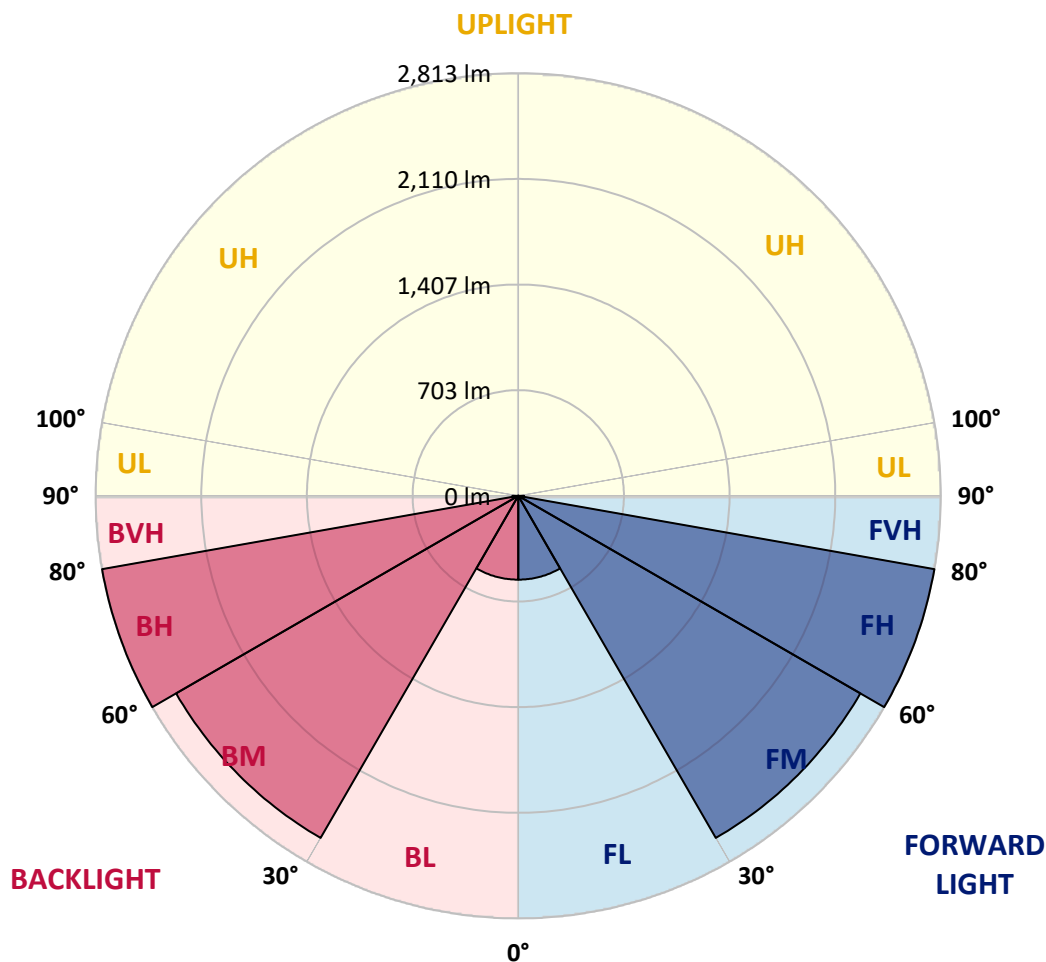
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	558.2	4.6			
FM	(30°-60°)	2629.9	21.8			
FH	(60°-80°)	2813.3	23.3			G2/5000
FVH	(80°-90°)	39.1	0.3			G1/100
BL	(0°-30°)	558.2	4.6	B2/1000		
BM	(30°-60°)	2629.9	21.8	B3/5000		
BH	(60°-80°)	2813.3	23.3	B4/5000		G2/5000
BVH	(80°-90°)	39.1	0.3			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4
2.5°	1317.4	1316.2	1319.0	1318.6	1316.2	1316.6	1316.6	1317.8	1317.8	1317.0	1317.0
5°	1312.6	1311.8	1315.0	1315.0	1312.6	1313.4	1314.2	1315.4	1315.0	1314.2	1313.8
7.5°	1306.6	1306.2	1309.4	1309.4	1307.8	1308.6	1307.8	1308.2	1307.4	1306.6	1305.4
10°	1296.6	1297.4	1300.2	1301.0	1301.0	1301.4	1300.6	1298.6	1297.4	1296.2	1295.0
12.5°	1287.4	1287.0	1291.0	1293.0	1296.2	1299.8	1297.4	1291.8	1289.4	1287.0	1286.2
15°	1281.4	1281.8	1285.8	1289.4	1295.0	1302.6	1299.8	1291.0	1286.2	1283.4	1282.6
17.5°	1280.3	1281.0	1286.2	1292.6	1298.6	1307.0	1305.4	1296.6	1288.6	1283.4	1282.2
20°	1283.0	1283.4	1291.4	1300.6	1311.0	1319.0	1315.4	1305.8	1295.0	1287.0	1285.0
22.5°	1288.2	1289.8	1299.8	1314.2	1330.2	1341.0	1336.6	1320.2	1303.4	1293.4	1290.6
25°	1304.6	1305.0	1318.6	1338.2	1357.4	1369.8	1364.6	1341.4	1319.8	1308.6	1305.0
27.5°	1338.6	1339.8	1353.4	1376.2	1392.6	1400.6	1397.4	1378.6	1360.2	1348.2	1349.4
30°	1387.8	1389.4	1404.6	1429.8	1439.8	1441.8	1441.0	1432.2	1415.4	1399.4	1400.6
32.5°	1447.8	1448.6	1469.0	1491.8	1499.8	1501.4	1499.8	1491.8	1471.8	1450.2	1451.4
35°	1524.9	1527.3	1546.9	1568.9	1575.3	1578.5	1575.7	1565.3	1544.5	1523.3	1522.5
37.5°	1620.1	1620.5	1640.9	1663.7	1671.7	1672.5	1669.3	1662.5	1636.5	1617.3	1616.1
40°	1730.5	1732.1	1756.0	1780.4	1783.6	1780.0	1784.4	1780.4	1753.6	1731.7	1735.3
42.5°	1864.8	1868.4	1897.2	1921.2	1912.0	1910.0	1912.8	1914.0	1892.4	1865.6	1863.2
45°	2021.1	2024.3	2060.3	2079.5	2073.5	2060.3	2065.9	2075.5	2045.5	2012.3	2015.5
47.5°	2199.5	2207.5	2245.8	2263.8	2249.0	2231.0	2241.8	2256.2	2221.0	2179.9	2177.9
50°	2397.8	2407.8	2458.9	2484.1	2469.3	2436.2	2454.1	2463.7	2413.0	2359.8	2355.4
52.5°	2609.3	2619.3	2683.6	2735.6	2726.0	2674.5	2699.6	2689.6	2631.3	2559.7	2554.1
55°	2848.8	2852.8	2922.3	3006.3	3015.9	2977.9	2976.3	2959.9	2873.6	2790.8	2786.8
57.5°	3095.1	3097.9	3187.8	3287.0	3332.2	3332.2	3287.4	3252.6	3137.9	3041.9	3031.9
60°	3361.0	3371.0	3470.5	3605.3	3710.8	3742.0	3662.8	3568.1	3443.3	3326.2	3314.6
62.5°	3597.7	3609.2	3761.6	3962.3	4131.8	4245.4	4051.9	3897.5	3670.4	3482.5	3460.5
65°	3627.6	3658.8	3880.7	4244.2	4623.6	4850.3	4479.3	4099.0	3685.2	3424.1	3401.7
67.5°	3313.0	3365.8	3665.6	4231.4	5015.4	5502.0	4752.4	3983.9	3419.7	3131.1	3106.3
70°	2545.7	2622.5	2968.3	3701.2	4947.9	5711.9	4581.2	3487.7	2851.2	2540.5	2505.7
72.5°	1396.6	1428.2	1739.3	2534.5	3966.7	4853.9	3821.2	2578.9	1890.8	1538.5	1480.2
75°	443.0	454.2	612.5	1037.2	2243.8	3215.0	2427.4	1265.9	696.9	513.8	507.8
77.5°	196.7	197.9	221.5	302.7	772.9	1628.9	928.4	344.7	237.5	207.5	214.3
80°	124.3	124.3	137.1	149.9	210.3	473.0	251.1	163.9	139.9	129.9	132.7
82.5°	59.6	66.0	89.2	96.0	115.6	159.1	128.7	107.2	93.6	69.6	64.8
85°	39.2	32.8	56.4	63.6	67.2	76.4	74.8	70.8	61.2	34.8	38.8
87.5°	17.6	16.8	29.2	26.8	25.2	19.2	28.8	35.6	34.4	17.2	17.2
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)