

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: P316396

Luminaire Tested: **GAN-SA2B-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316396
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-SA2B-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10271 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

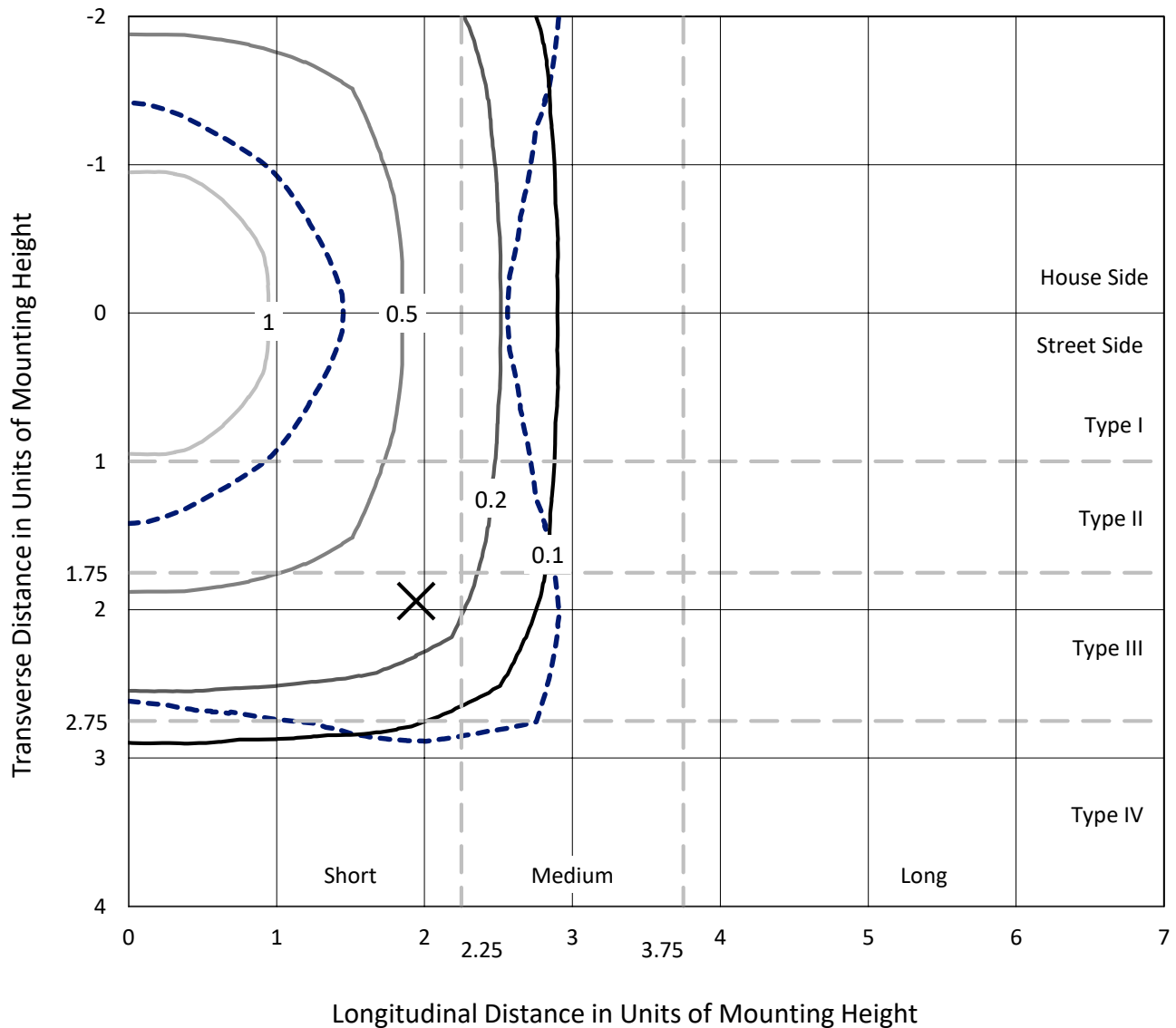
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

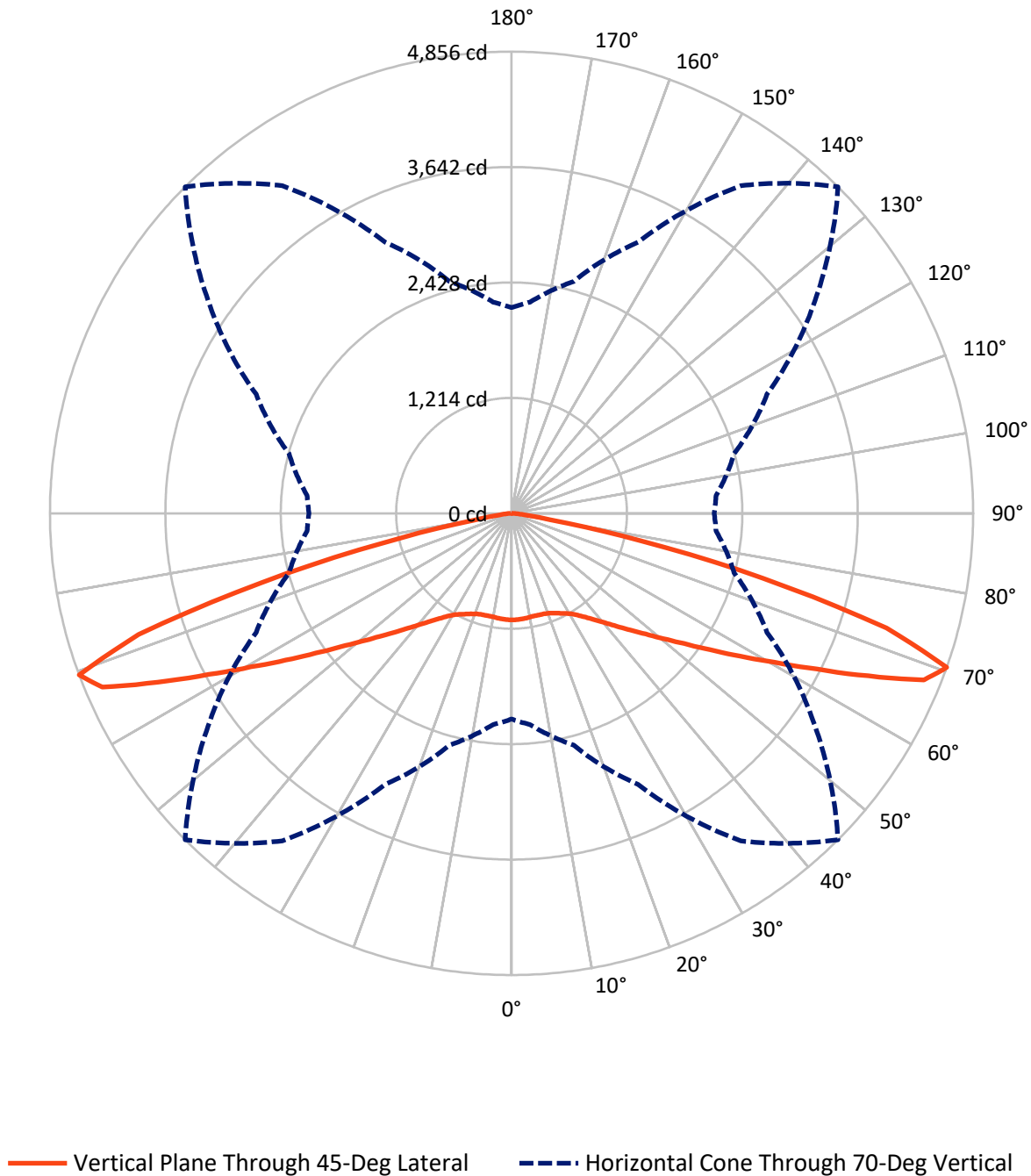
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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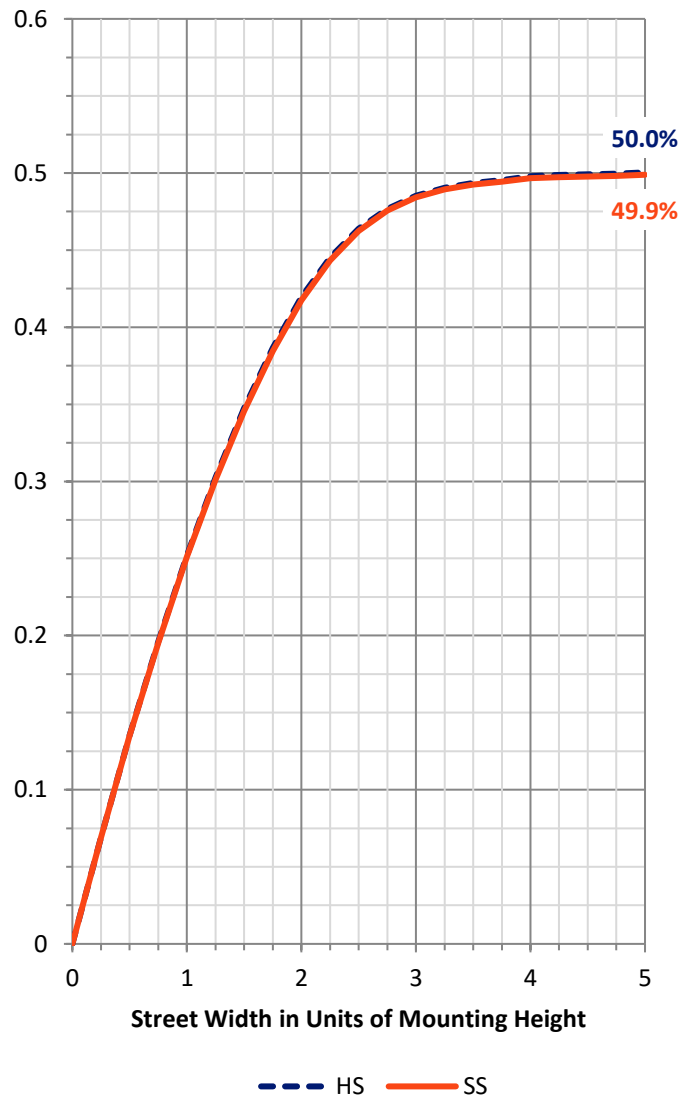
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5135.5	0.0	5135.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5135.5	0.0	5135.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10271.0	0.0	10271.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	1.0
10°-20°	311.9	3.0
20°-30°	531.0	5.2
30°-40°	842.1	8.2
40°-50°	1370.3	13.3
50°-60°	2259.4	22.0
60°-70°	3316.9	32.3
70°-80°	1466.7	14.3
80°-90°	66.4	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°	10271.0	100.0
0°-180°	10271.0	100.0

Coefficient of Utilization



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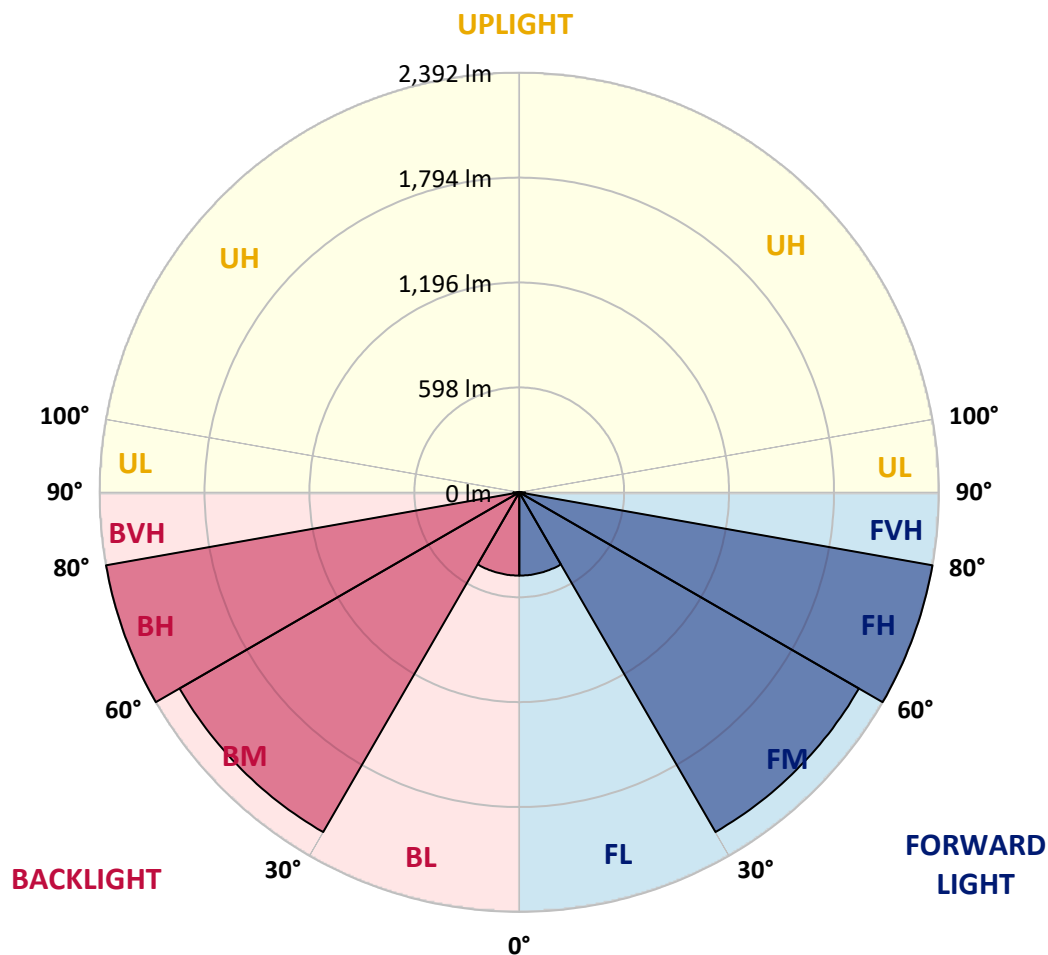
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	474.5	4.6			
FM	(30°-60°)	2235.9	21.8			
FH	(60°-80°)	2391.8	23.3			G2/5000
FVH	(80°-90°)	33.2	0.3			G1/100
BL	(0°-30°)	474.5	4.6	B1/500		
BM	(30°-60°)	2235.9	21.8	B2/2500		
BH	(60°-80°)	2391.8	23.3	B3/2500		G2/5000
BVH	(80°-90°)	33.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1121.8	1121.8	1121.8	1121.8	1121.8	1121.8	1121.8	1121.8	1121.8	1121.8	1121.8
2.5°	1120.1	1119.0	1121.4	1121.1	1119.0	1119.4	1119.4	1120.4	1120.4	1119.7	1119.7
5°	1116.0	1115.3	1118.0	1118.0	1116.0	1116.7	1117.3	1118.4	1118.0	1117.3	1117.0
7.5°	1110.9	1110.5	1113.3	1113.3	1111.9	1112.6	1111.9	1112.2	1111.6	1110.9	1109.9
10°	1102.4	1103.1	1105.4	1106.1	1106.1	1106.5	1105.8	1104.1	1103.1	1102.0	1101.0
12.5°	1094.6	1094.2	1097.6	1099.3	1102.0	1105.1	1103.1	1098.3	1096.3	1094.2	1093.5
15°	1089.5	1089.8	1093.2	1096.3	1101.0	1107.5	1105.1	1097.6	1093.5	1091.2	1090.5
17.5°	1088.4	1089.1	1093.5	1099.0	1104.1	1111.2	1109.9	1102.4	1095.6	1091.2	1090.1
20°	1090.8	1091.2	1098.0	1105.8	1114.6	1121.4	1118.4	1110.2	1101.0	1094.2	1092.5
22.5°	1095.2	1096.6	1105.1	1117.3	1130.9	1140.1	1136.4	1122.4	1108.2	1099.7	1097.3
25°	1109.2	1109.5	1121.1	1137.7	1154.0	1164.6	1160.2	1140.4	1122.1	1112.6	1109.5
27.5°	1138.1	1139.1	1150.6	1170.0	1184.0	1190.8	1188.0	1172.1	1156.4	1146.2	1147.2
30°	1179.9	1181.2	1194.2	1215.6	1224.1	1225.8	1225.1	1217.6	1203.3	1189.7	1190.8
32.5°	1230.9	1231.5	1248.9	1268.3	1275.1	1276.4	1275.1	1268.3	1251.3	1232.9	1233.9
35°	1296.5	1298.5	1315.2	1333.9	1339.3	1342.0	1339.6	1330.8	1313.1	1295.1	1294.4
37.5°	1377.4	1377.7	1395.1	1414.4	1421.2	1421.9	1419.2	1413.4	1391.3	1375.0	1374.0
40°	1471.2	1472.6	1493.0	1513.7	1516.4	1513.3	1517.1	1513.7	1490.9	1472.2	1475.3
42.5°	1585.4	1588.5	1612.9	1633.3	1625.5	1623.8	1626.2	1627.2	1608.9	1586.1	1584.1
45°	1718.3	1721.0	1751.6	1768.0	1762.9	1751.6	1756.4	1764.6	1739.1	1710.8	1713.6
47.5°	1869.9	1876.7	1909.4	1924.7	1912.1	1896.8	1906.0	1918.2	1888.3	1853.3	1851.6
50°	2038.5	2047.0	2090.5	2112.0	2099.4	2071.2	2086.5	2094.6	2051.4	2006.2	2002.5
52.5°	2218.4	2226.8	2281.6	2325.8	2317.6	2273.8	2295.2	2286.7	2237.0	2176.2	2171.4
55°	2422.0	2425.4	2484.5	2555.9	2564.1	2531.8	2530.4	2516.5	2443.0	2372.7	2369.3
57.5°	2631.4	2633.7	2710.2	2794.5	2832.9	2832.9	2794.9	2765.3	2667.7	2586.2	2577.7
60°	2857.4	2865.9	2950.6	3065.1	3154.8	3181.4	3114.1	3033.5	2927.4	2827.8	2818.0
62.5°	3058.6	3068.5	3198.0	3368.7	3512.8	3609.3	3444.8	3313.6	3120.5	2960.7	2942.1
65°	3084.1	3110.7	3299.3	3608.3	3930.9	4123.6	3808.2	3484.9	3133.1	2911.1	2892.1
67.5°	2816.6	2861.5	3116.4	3597.4	4264.0	4677.7	4040.4	3387.0	2907.4	2662.0	2640.9
70°	2164.3	2229.6	2523.6	3146.7	4206.6	4856.2	3894.9	2965.2	2424.0	2159.9	2130.3
72.5°	1187.4	1214.2	1478.7	2154.8	3372.4	4126.7	3248.7	2192.5	1607.5	1308.0	1258.4
75°	376.6	386.2	520.8	881.8	1907.7	2733.3	2063.7	1076.2	592.5	436.8	431.7
77.5°	167.2	168.3	188.3	257.3	657.1	1384.9	789.3	293.0	201.9	176.4	182.2
80°	105.7	105.7	116.6	127.5	178.8	402.1	213.5	139.4	119.0	110.5	112.9
82.5°	50.6	56.1	75.8	81.6	98.2	135.3	109.5	91.1	79.5	59.1	55.1
85°	33.3	27.9	47.9	54.0	57.1	64.9	63.6	60.2	52.0	29.6	33.0
87.5°	15.0	14.3	24.8	22.8	21.4	16.3	24.5	30.3	29.2	14.6	14.6
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)