

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: P528069

Luminaire Tested: **GLAN-SA3A-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5235 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

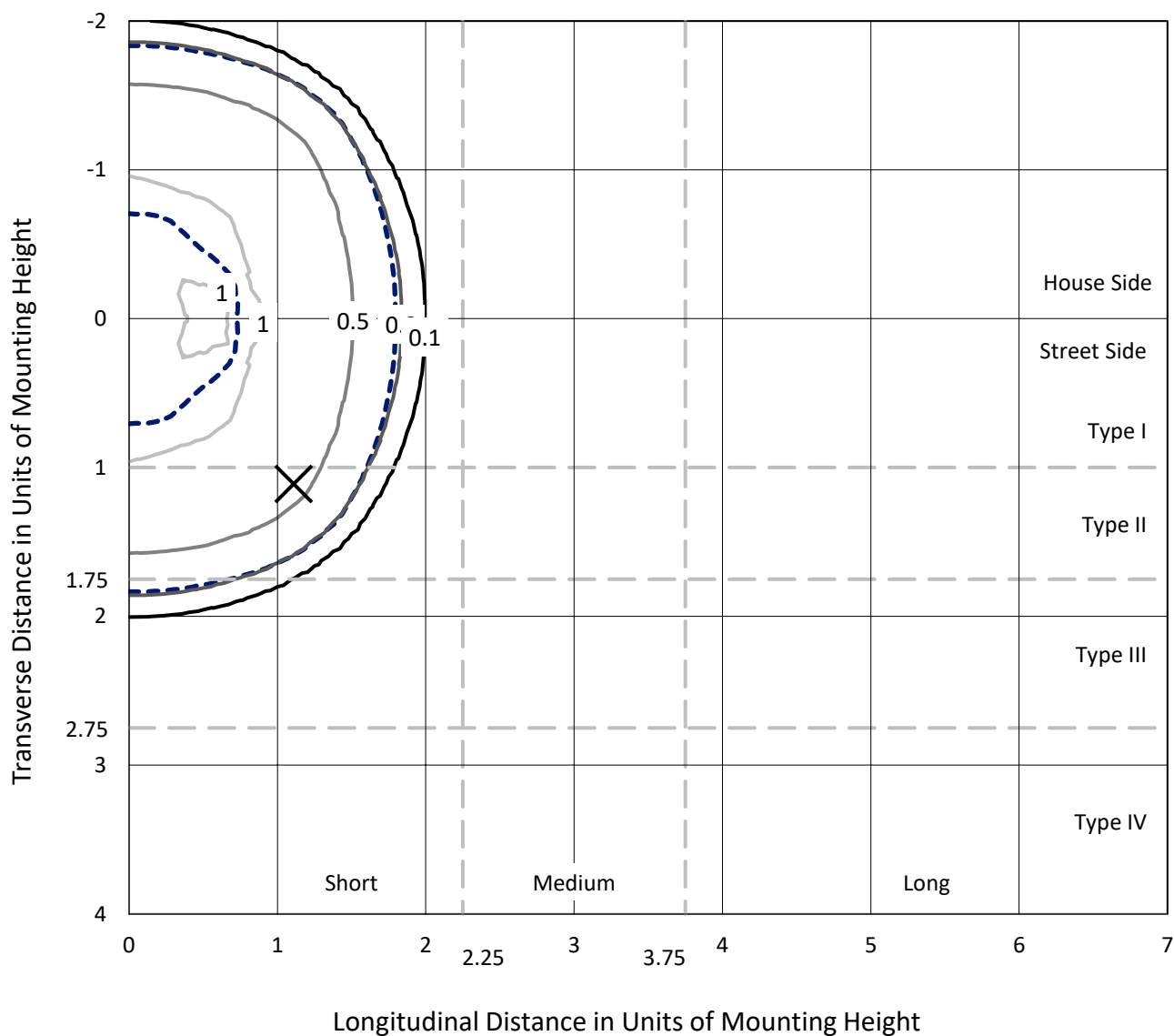
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528069
 CATALOG NUMBER: GLAN-SA3A-827-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

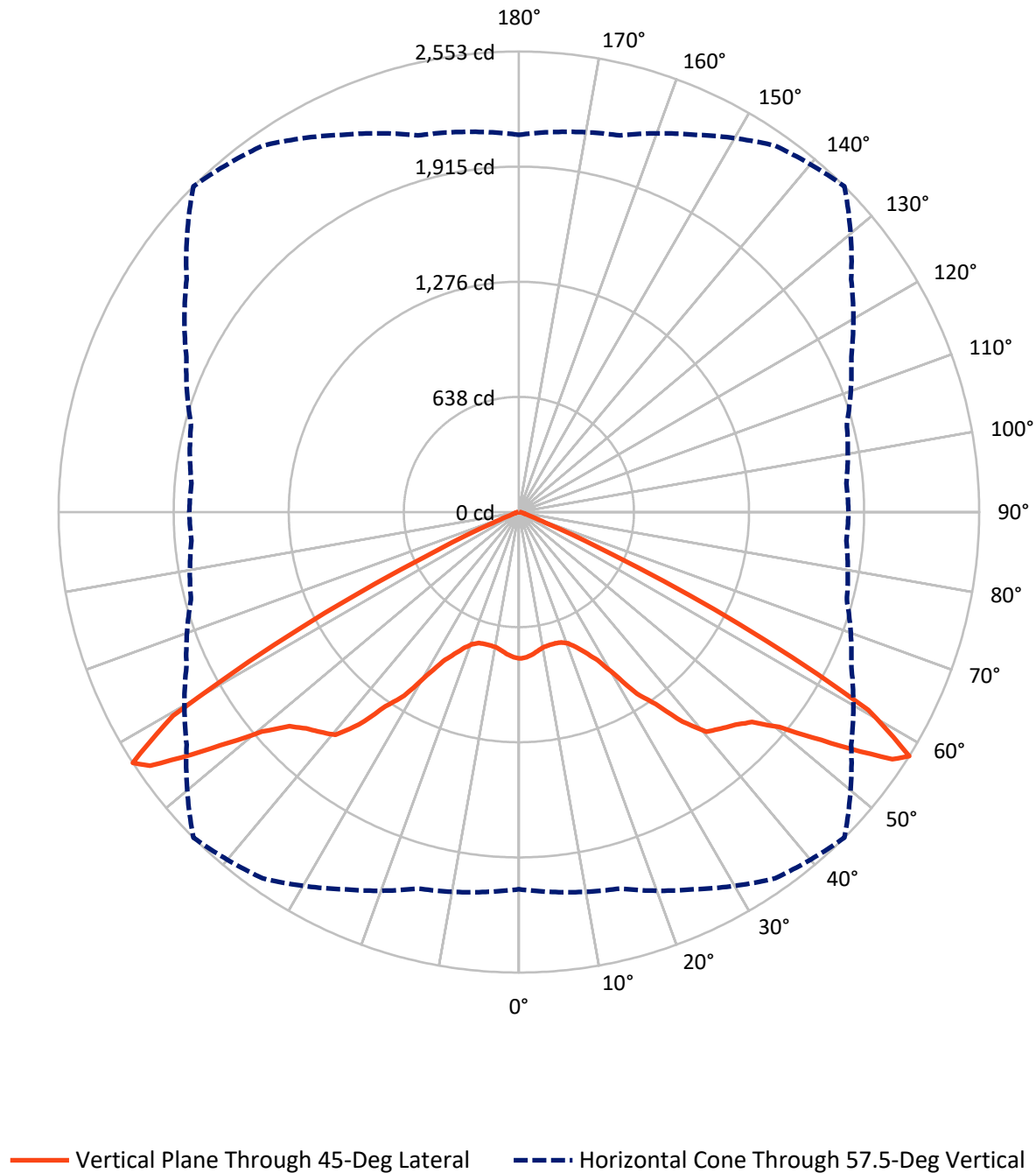
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

REPORT NUMBER: P528069
CATALOG NUMBER: GLAN-SA3A-827-U-5WQ-GRSBK

Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SA3A-827-U-5WQ-GRSBK

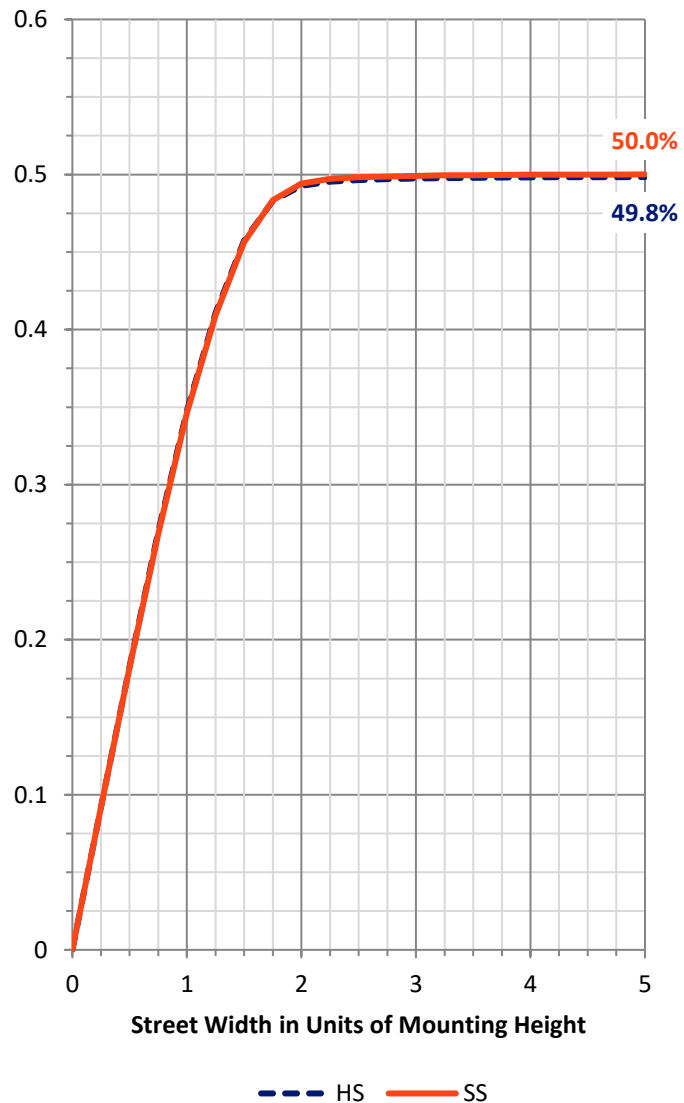
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2617.5	0.0	2617.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2617.5	0.0	2617.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5235.0	0.0	5235.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	1.4
10°-20°	215.7	4.1
20°-30°	398.1	7.6
30°-40°	783.0	15.0
40°-50°	1275.2	24.4
50°-60°	1818.6	34.7
60°-70°	629.7	12.0
70°-80°	33.8	0.6
80°-90°	6.3	0.1
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°	5235.0	100.0
0°-180°	5235.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528069

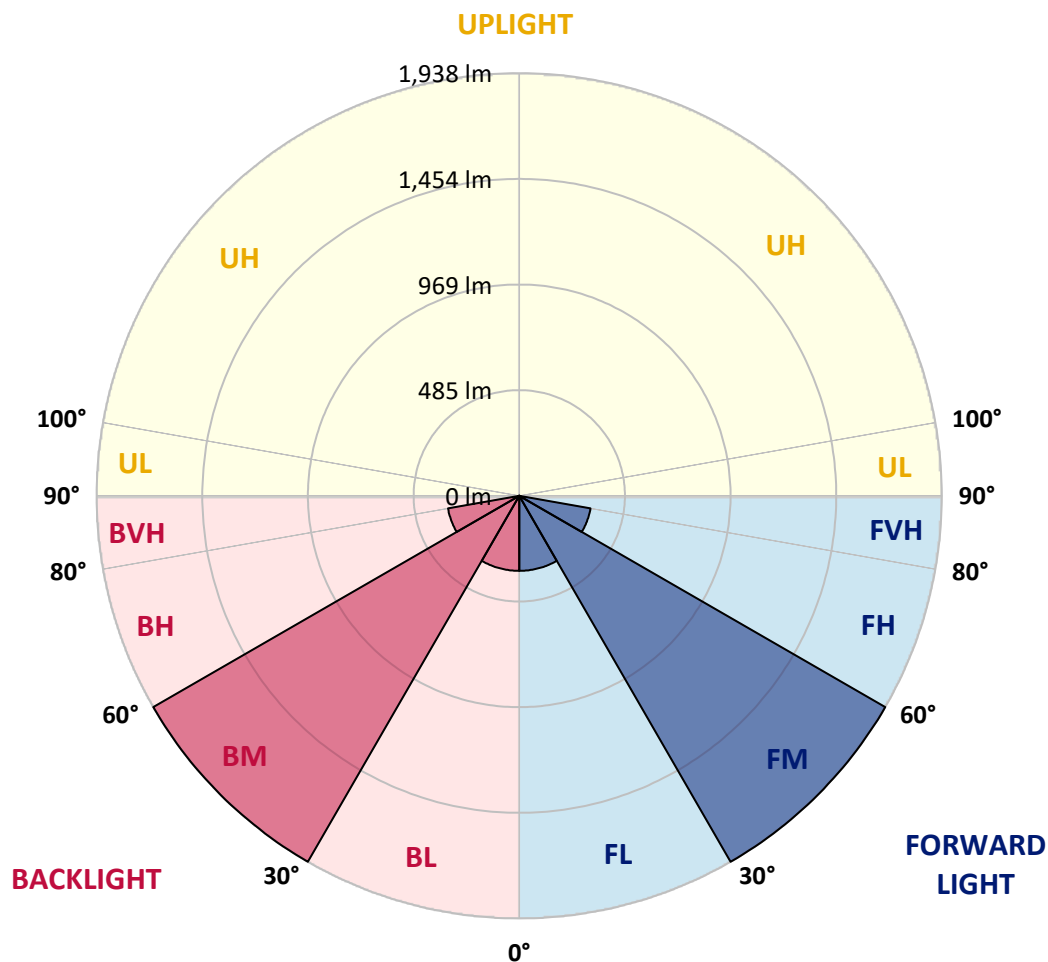
CATALOG NUMBER: GLAN-SA3A-827-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	344.2	6.6			
FM	(30°-60°)	1938.4	37.0			
FH	(60°-80°)	331.7	6.3			G0/660
FVH	(80°-90°)	3.2	0.1			G0/10
BL	(0°-30°)	344.2	6.6	B1/500		
BM	(30°-60°)	1938.4	37.0	B2/2500		
BH	(60°-80°)	331.7	6.3	B1/500		G0/660
BVH	(80°-90°)	3.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	812.0	812.0	812.0	812.0	812.0	812.0	812.0	812.0	812.0	812.0	812.0
2.5°	809.8	814.2	808.7	806.5	805.5	805.5	802.2	802.2	801.1	802.2	797.8
5°	796.7	801.1	801.1	800.0	793.4	792.4	789.1	786.9	788.0	783.6	786.9
7.5°	783.6	786.9	782.5	781.4	779.3	774.9	773.8	764.0	765.1	765.1	767.3
10°	781.4	780.4	773.8	768.3	761.8	760.7	757.4	755.3	755.3	754.2	757.4
12.5°	781.4	776.0	774.9	762.9	752.0	756.3	747.6	742.2	749.8	752.0	756.3
15°	780.4	785.8	767.3	761.8	754.2	755.3	747.6	742.2	746.5	748.7	752.0
17.5°	786.9	783.6	778.2	767.3	764.0	759.6	749.8	745.4	745.4	750.9	752.0
20°	804.4	795.6	784.7	779.3	782.5	777.1	765.1	748.7	753.1	757.4	760.7
22.5°	820.7	814.2	806.5	803.3	821.8	813.1	792.4	773.8	767.3	774.9	780.4
25°	852.4	852.4	838.2	842.6	863.3	864.4	840.4	807.6	803.3	806.5	808.7
27.5°	916.8	920.1	908.0	912.4	921.1	928.8	908.0	880.8	870.9	869.8	873.1
30°	986.6	993.2	992.1	1010.6	1035.7	1040.1	1009.5	964.8	935.3	929.9	934.2
32.5°	1078.3	1081.6	1079.4	1101.2	1168.9	1200.5	1120.9	1057.6	1018.3	1028.1	1018.3
35°	1250.7	1247.5	1223.5	1227.8	1283.5	1306.4	1230.0	1189.6	1171.1	1190.7	1186.4
37.5°	1399.2	1387.2	1367.5	1395.9	1453.7	1474.5	1394.8	1323.9	1290.0	1322.8	1337.0
40°	1524.7	1494.1	1466.8	1495.2	1572.7	1601.1	1484.3	1426.5	1413.4	1437.4	1467.9
42.5°	1630.6	1610.9	1574.9	1577.1	1628.4	1641.5	1547.6	1513.8	1500.7	1538.9	1554.2
45°	1705.9	1687.3	1653.5	1651.3	1690.6	1681.9	1597.8	1574.9	1582.5	1607.6	1615.3
47.5°	1744.1	1753.9	1734.2	1739.7	1760.4	1739.7	1673.1	1673.1	1655.7	1670.9	1663.3
50°	1854.3	1823.7	1848.8	1848.8	1870.7	1872.8	1806.3	1782.3	1735.3	1709.1	1709.1
52.5°	1983.1	1985.3	1995.1	2031.1	2068.2	2099.9	2004.9	1902.3	1823.7	1789.9	1785.5
55°	2088.9	2110.8	2150.1	2217.7	2324.7	2368.3	2204.6	2021.3	1925.2	1872.8	1861.9
56°	2146.8	2126.1	2193.7	2286.5	2426.2	2482.9	2237.4	2045.3	1939.4	1880.5	1879.4
57.5°	2091.1	2114.0	2161.0	2307.2	2478.6	2552.8	2249.4	2034.4	1882.7	1822.6	1828.1
60°	1651.3	1673.1	1736.4	1900.1	2168.6	2226.5	1903.4	1677.5	1542.2	1455.9	1457.0
62.5°	934.2	950.6	999.7	1151.4	1318.4	1374.1	1186.4	1035.7	941.9	893.9	878.6
65°	343.8	337.2	344.9	422.4	525.0	571.9	493.3	416.9	367.8	350.3	343.8
67.5°	128.8	119.0	111.3	119.0	149.5	158.3	145.2	121.1	113.5	116.8	119.0
70°	79.7	75.3	60.0	56.8	55.7	54.6	57.8	61.1	69.8	81.9	84.0
72.5°	55.7	52.4	42.6	40.4	38.2	37.1	42.6	46.9	54.6	63.3	64.4
75°	21.8	22.9	21.8	24.0	25.1	26.2	30.6	33.8	37.1	37.1	36.0
77.5°	4.4	4.4	6.5	8.7	10.9	14.2	20.7	24.0	25.1	24.0	20.7
80°	0.0	0.0	2.2	4.4	8.7	12.0	18.6	20.7	22.9	20.7	16.4
82.5°	0.0	0.0	2.2	5.5	8.7	10.9	17.5	21.8	25.1	22.9	17.5
85°	0.0	0.0	2.2	4.4	6.5	7.6	7.6	5.5	5.5	3.3	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)