

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630143

Luminaire Tested: GWS-SA1D-722-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4540.7 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

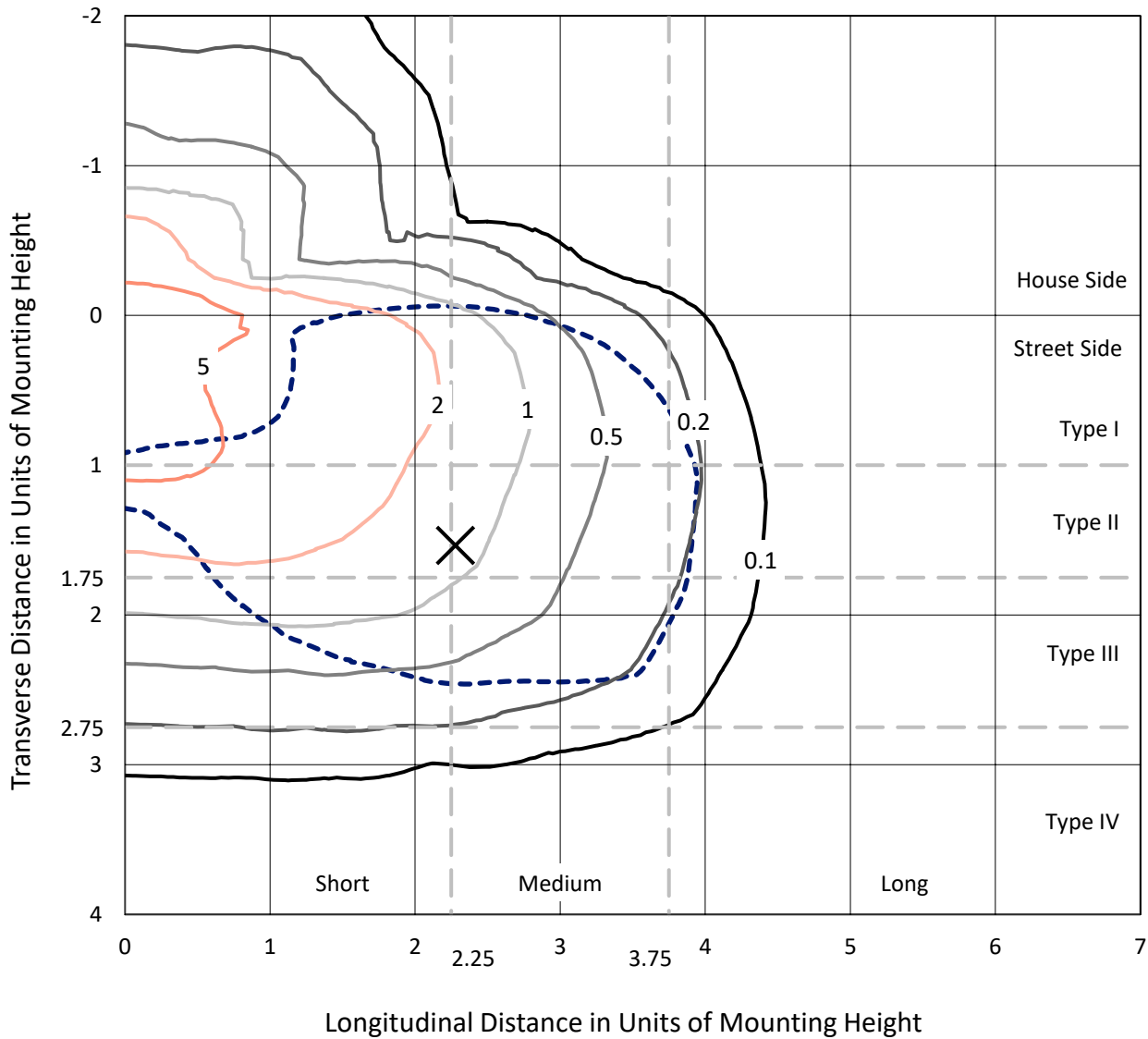
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

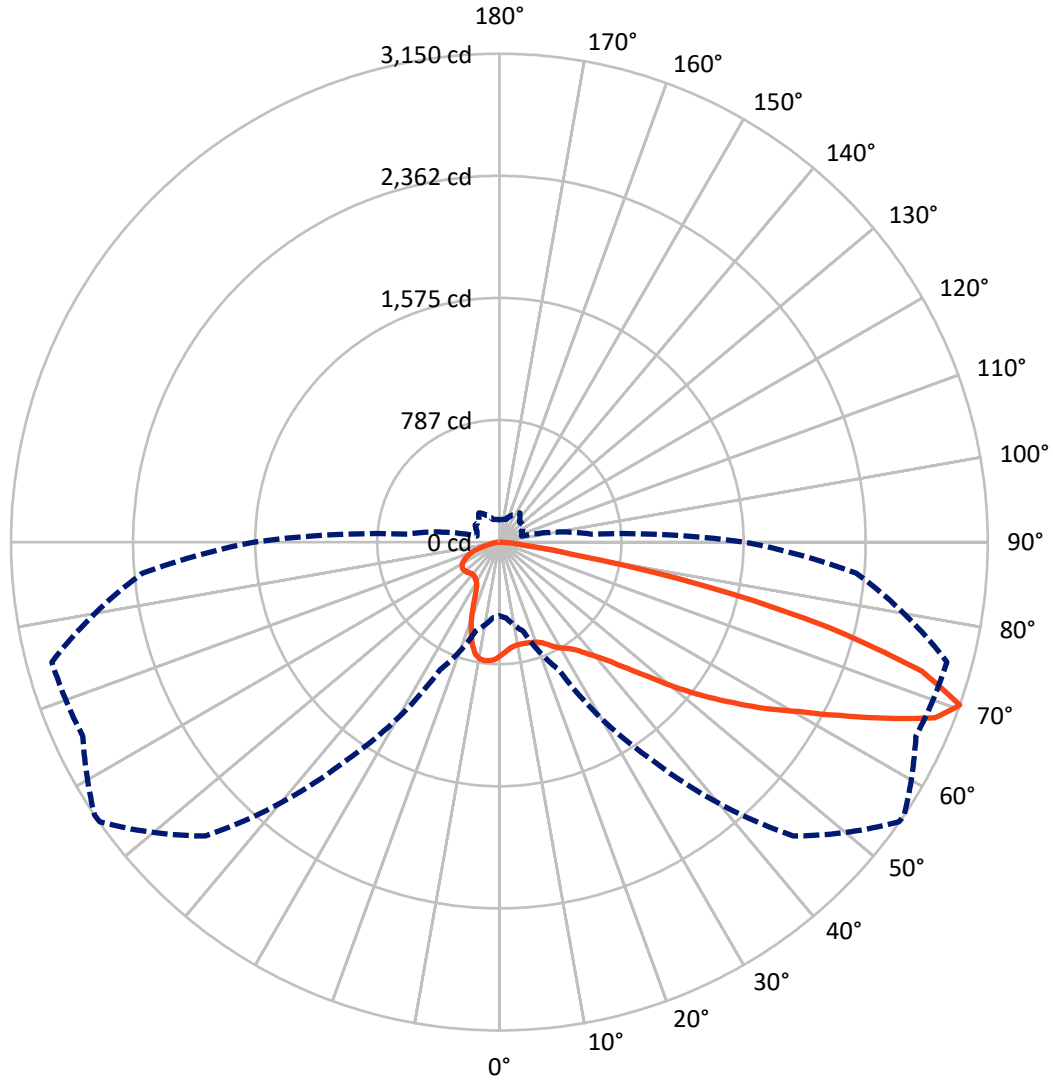
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	873.0	0.0	873.0
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	3667.7	0.0	3667.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	4540.7	0.0	4540.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	1.5
10°-20°	183.8	4.0
20°-30°	303.8	6.7
30°-40°	454.3	10.0
40°-50°	676.0	14.9
50°-60°	961.1	21.2
60°-70°	1190.3	26.2
70°-80°	657.3	14.5
80°-90°	46.3	1.0
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°	4540.7	100.0
0°-180°	4540.7	100.0

Coefficient of Utilization



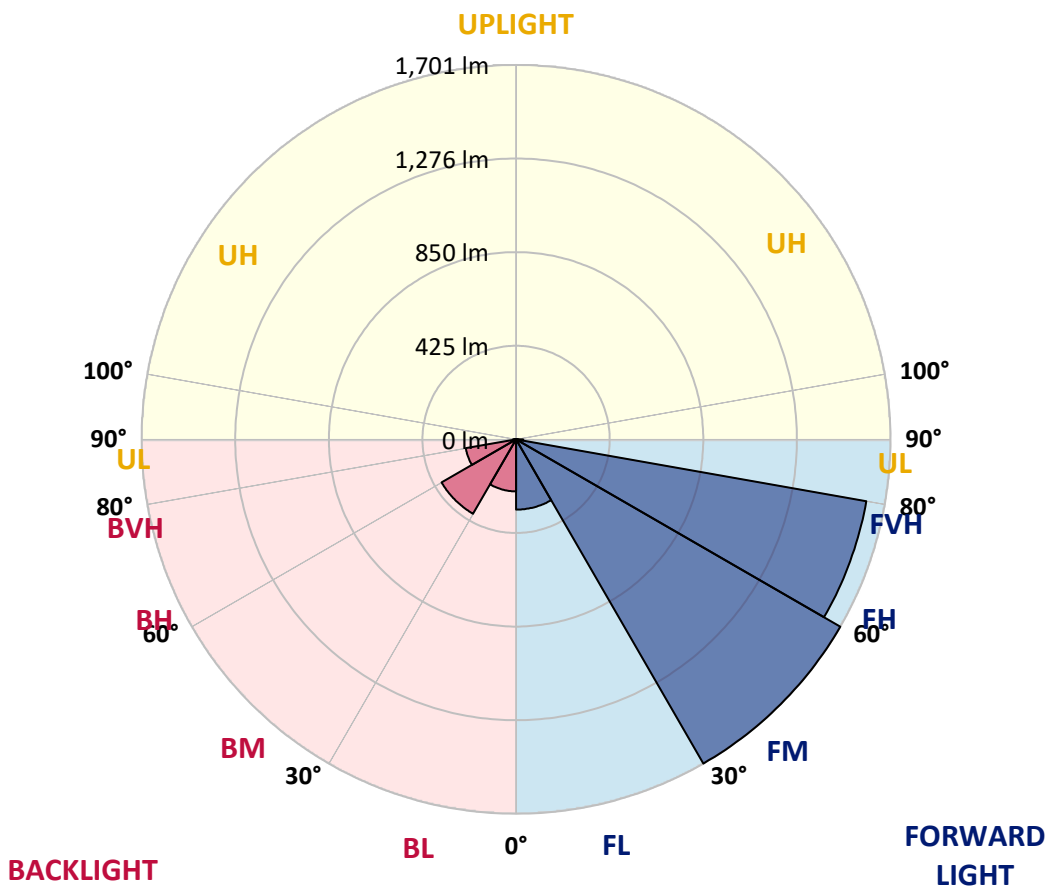
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.1	7.0			
FM (30°-60°)	1700.9	37.5			
FH (60°-80°)	1615.6	35.6			G1/1800
FVH (80°-90°)	32.2	0.7			G1/100
BL (0°-30°)	236.3	5.2	B1/500		
BM (30°-60°)	390.5	8.6	B1/1000		
BH (60°-80°)	232.0	5.1	B1/500		G1/500
BVH (80°-90°)	14.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9
2.5°	685.9	682.0	686.5	688.8	694.5	702.8	710.2	710.5	714.4	723.7	732.6
5°	654.8	652.9	654.2	660.9	667.0	677.5	688.8	689.7	700.6	718.9	736.8
7.5°	630.8	628.2	633.0	641.7	649.4	661.2	675.9	677.2	692.6	720.1	747.7
10°	596.2	594.3	603.3	614.8	631.4	651.0	670.5	672.1	692.3	728.5	766.9
12.5°	581.2	581.2	585.0	595.9	614.1	640.1	669.5	672.1	697.4	741.3	791.5
15°	604.5	606.1	602.9	602.3	609.7	634.3	670.8	674.7	707.0	754.4	815.9
17.5°	651.6	653.2	644.9	631.8	624.4	639.8	675.6	679.8	717.2	768.8	842.1
20°	717.6	719.5	701.2	681.1	655.8	655.5	684.9	688.8	730.4	784.5	870.0
22.5°	794.7	796.0	773.0	740.9	702.2	684.6	700.9	704.8	747.3	806.3	900.1
25°	884.1	887.9	860.1	813.6	761.1	724.6	727.5	732.0	777.8	835.4	935.6
27.5°	979.5	984.3	952.3	901.0	828.7	768.8	761.8	765.6	810.1	853.3	954.5
30°	1077.2	1080.7	1048.7	990.1	901.4	818.8	790.6	792.8	824.2	862.0	973.7
32.5°	1185.7	1182.8	1152.1	1084.5	985.3	878.6	817.5	816.8	839.9	879.3	1001.3
35°	1287.5	1291.7	1259.0	1184.4	1077.5	952.6	857.8	855.3	873.2	907.4	1040.0
37.5°	1410.8	1409.5	1370.5	1289.8	1170.0	1023.4	914.5	910.0	916.4	951.3	1094.1
40°	1498.9	1507.8	1482.5	1407.3	1278.2	1110.5	980.8	970.8	972.4	1005.4	1166.5
42.5°	1570.9	1579.2	1581.8	1533.8	1402.2	1218.0	1063.4	1053.5	1054.4	1101.2	1255.5
45°	1626.3	1637.5	1673.7	1659.6	1541.8	1342.3	1175.1	1164.9	1165.5	1217.4	1363.1
47.5°	1649.0	1661.2	1734.5	1768.1	1690.0	1490.9	1314.1	1299.1	1301.3	1358.6	1486.1
50°	1641.7	1658.0	1757.3	1851.7	1814.3	1642.0	1480.3	1469.7	1461.1	1544.3	1619.6
52.5°	1578.3	1596.2	1755.0	1904.9	1915.8	1784.8	1651.9	1645.8	1643.9	1741.6	1768.8
55°	1391.6	1421.7	1677.9	1919.0	1995.2	1919.3	1838.0	1827.7	1837.6	1952.9	1919.6
57.5°	1288.2	1310.6	1526.7	1903.3	2060.2	2047.4	2023.7	2024.6	2035.8	2182.5	2102.4
60°	1229.2	1255.5	1442.8	1860.4	2122.6	2203.0	2218.0	2218.0	2238.2	2430.0	2288.2
62.5°	1151.1	1177.7	1364.4	1777.8	2180.2	2386.1	2462.3	2461.4	2469.4	2695.4	2469.7
65°	992.6	1017.3	1206.8	1647.4	2208.4	2587.9	2740.0	2737.1	2721.1	2931.8	2589.8
67.5°	720.8	744.1	924.4	1399.6	2106.9	2750.5	3025.9	3027.2	2931.4	3080.6	2596.2
70°	475.2	491.2	594.3	909.0	1713.4	2680.4	3145.6	3149.5	2963.8	2987.8	2310.6
72.5°	296.5	307.7	371.1	542.1	1012.5	2121.6	2838.3	2848.8	2666.3	2625.6	1898.5
75°	196.9	204.6	246.9	316.0	468.5	1148.2	2157.5	2191.5	2137.0	2058.2	1322.7
77.5°	118.5	124.9	157.2	200.8	207.5	448.6	1259.3	1347.1	1354.8	1074.6	553.9
80°	54.1	61.5	86.8	114.6	110.5	156.3	444.1	464.6	548.2	341.3	174.8
82.5°	32.0	35.2	57.6	57.0	47.1	75.9	159.8	163.9	139.3	124.9	74.6
85°	12.8	15.0	24.3	21.5	17.3	24.7	60.2	63.1	60.5	54.4	27.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.6	5.4	5.8	8.3	15.0	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9	732.9
2.5°	738.4	736.5	746.1	753.4	756.6	759.8	757.0	756.0	756.0	749.6	746.4
5°	746.4	747.3	760.5	766.6	766.6	764.0	756.3	750.9	748.9	740.6	738.4
7.5°	761.4	765.6	777.8	777.4	768.5	754.4	735.2	720.5	707.0	701.2	697.7
10°	786.1	791.5	799.9	786.4	761.4	724.3	683.6	651.6	632.4	617.0	617.0
12.5°	814.3	819.4	817.8	786.7	735.2	665.7	607.1	570.3	543.4	529.3	529.3
15°	842.4	846.6	829.3	772.0	680.4	587.9	523.8	479.7	456.3	443.2	443.2
17.5°	870.9	870.6	834.1	738.1	609.0	501.8	439.0	404.7	396.7	394.5	394.2
20°	898.5	891.1	828.0	681.4	526.1	415.0	375.3	377.5	389.4	394.5	395.1
22.5°	929.5	911.3	810.1	609.0	432.0	354.8	357.3	375.9	393.2	400.9	401.9
25°	961.2	928.6	780.0	524.2	353.2	332.7	352.5	373.4	392.9	402.8	403.8
27.5°	974.0	928.6	728.8	425.9	311.2	323.4	345.2	365.3	385.8	397.4	399.6
30°	984.6	920.6	657.1	337.2	293.9	314.4	333.3	351.9	372.1	386.2	388.7
32.5°	999.3	913.5	570.3	283.4	285.9	305.8	318.9	334.6	352.9	362.1	361.2
35°	1016.6	902.6	465.6	257.8	279.2	298.4	307.7	317.0	308.7	308.4	309.3
37.5°	1041.3	893.0	374.3	246.2	274.7	293.3	301.0	281.1	269.6	264.8	262.9
40°	1076.8	889.2	295.2	239.5	274.1	293.0	287.5	256.8	241.1	224.5	224.1
42.5°	1121.7	886.3	244.0	236.3	276.3	300.3	269.0	240.8	208.5	201.1	200.4
45°	1179.3	881.8	218.4	235.7	281.8	306.1	267.0	218.7	196.6	193.4	193.4
47.5°	1248.8	874.8	206.8	235.7	287.9	303.6	261.3	213.9	191.2	194.7	196.9
50°	1328.5	865.8	200.8	235.0	293.9	303.6	249.1	212.9	189.9	208.1	215.5
52.5°	1413.7	855.6	196.6	232.5	298.1	303.9	249.8	216.1	191.2	211.3	217.4
55°	1507.8	854.0	190.8	227.0	299.4	295.5	251.4	223.2	193.1	191.5	191.8
57.5°	1626.6	873.2	186.7	219.0	294.3	278.6	254.6	228.3	190.8	191.2	193.4
60°	1750.9	909.4	190.2	211.3	283.7	262.6	256.8	225.7	180.0	174.8	175.5
62.5°	1856.5	936.9	193.1	207.8	268.3	248.5	254.6	220.0	173.9	172.6	175.5
65°	1900.7	914.2	186.0	200.4	245.9	231.2	249.8	212.6	168.7	163.9	164.3
67.5°	1851.7	807.5	172.3	184.1	220.6	209.1	242.1	203.0	161.7	155.9	154.7
70°	1581.8	593.3	148.6	158.2	189.9	183.2	230.2	190.5	150.5	146.3	143.4
72.5°	1274.7	420.1	123.3	125.8	148.9	154.3	209.7	174.8	137.7	125.8	121.7
75°	887.3	263.8	102.8	100.2	107.6	117.8	163.6	145.1	118.8	106.3	102.5
77.5°	381.7	135.4	80.4	79.1	71.7	81.7	125.5	121.0	99.6	85.2	82.9
80°	127.8	78.4	58.0	55.7	47.7	57.3	88.4	96.7	78.1	63.1	59.2
82.5°	64.0	45.5	36.8	33.3	32.0	36.2	52.2	60.2	54.1	43.5	36.8
85°	31.4	25.9	20.2	19.9	16.7	15.7	21.8	25.6	24.3	17.9	17.0
87.5°	11.5	10.2	6.4	5.1	3.2	2.2	1.3	1.3	1.0	1.0	1.0
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)