

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: P629375

Luminaire Tested: GWS-SA1B-740-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629375
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-SA1B-740-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3643.5 lumens
Efficiency: N/A
Efficacy: 145.7 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): 25
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

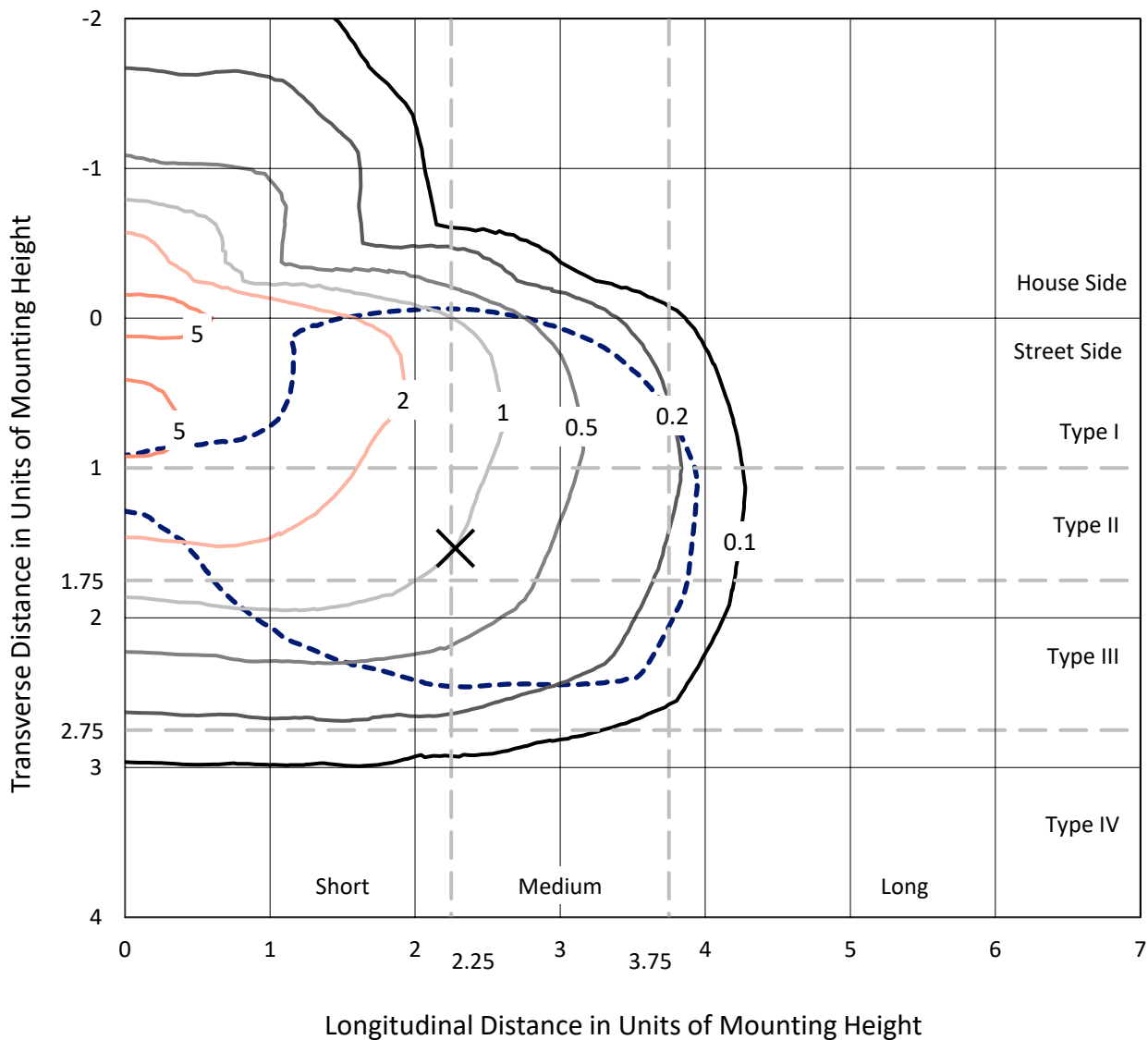


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Iso-Footcandle Lines of Horizontal Illumination

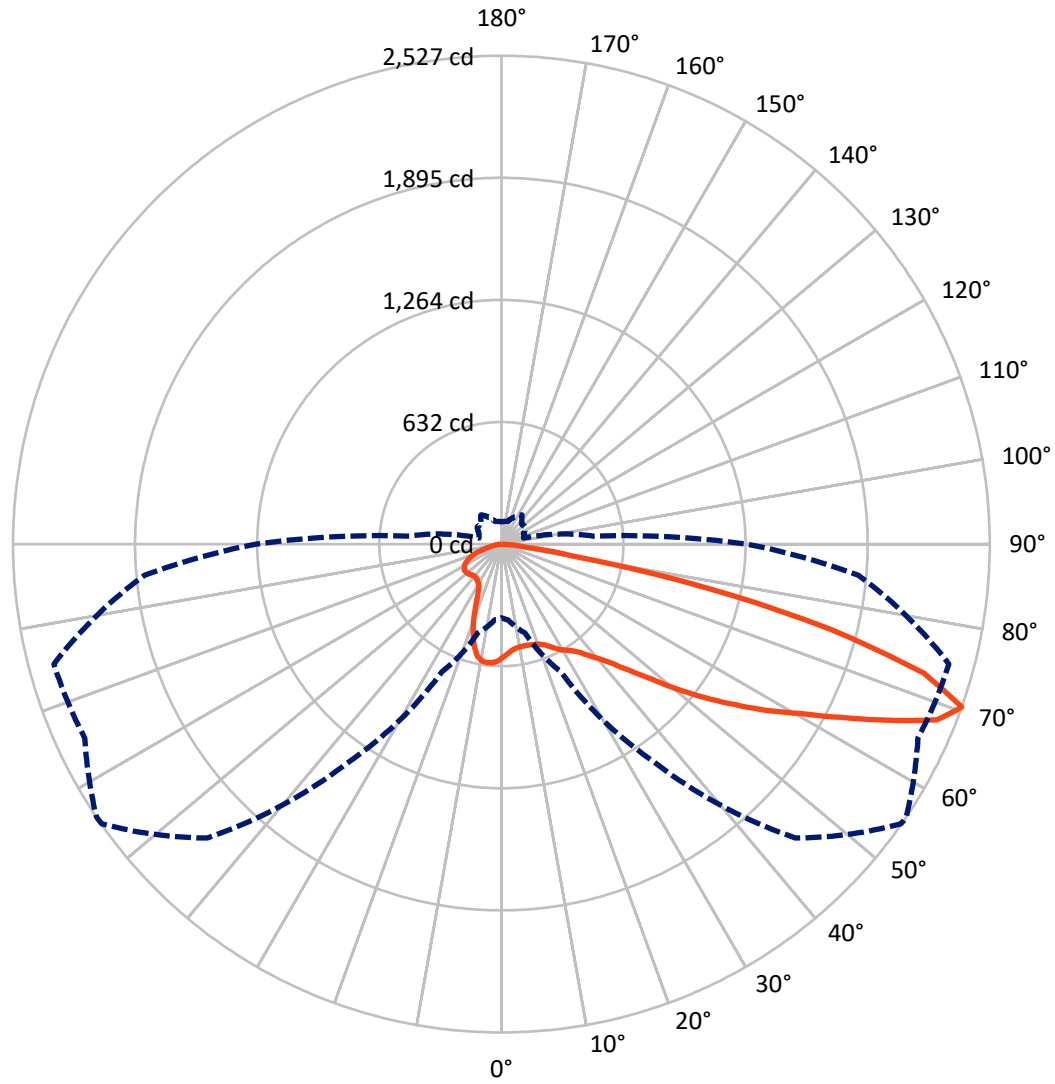
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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	700.5	0.0	700.5
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	2943.0	0.0	2943.0
	% Fixture	80.8	0.0	80.8
Total	Lumens	3643.5	0.0	3643.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.5
10°-20°	147.5	4.0
20°-30°	243.8	6.7
30°-40°	364.5	10.0
40°-50°	542.4	14.9
50°-60°	771.2	21.2
60°-70°	955.1	26.2
70°-80°	527.4	14.5
80°-90°	37.1	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°	3643.5	100.0
0°-180°	3643.5	100.0

Coefficient of Utilization



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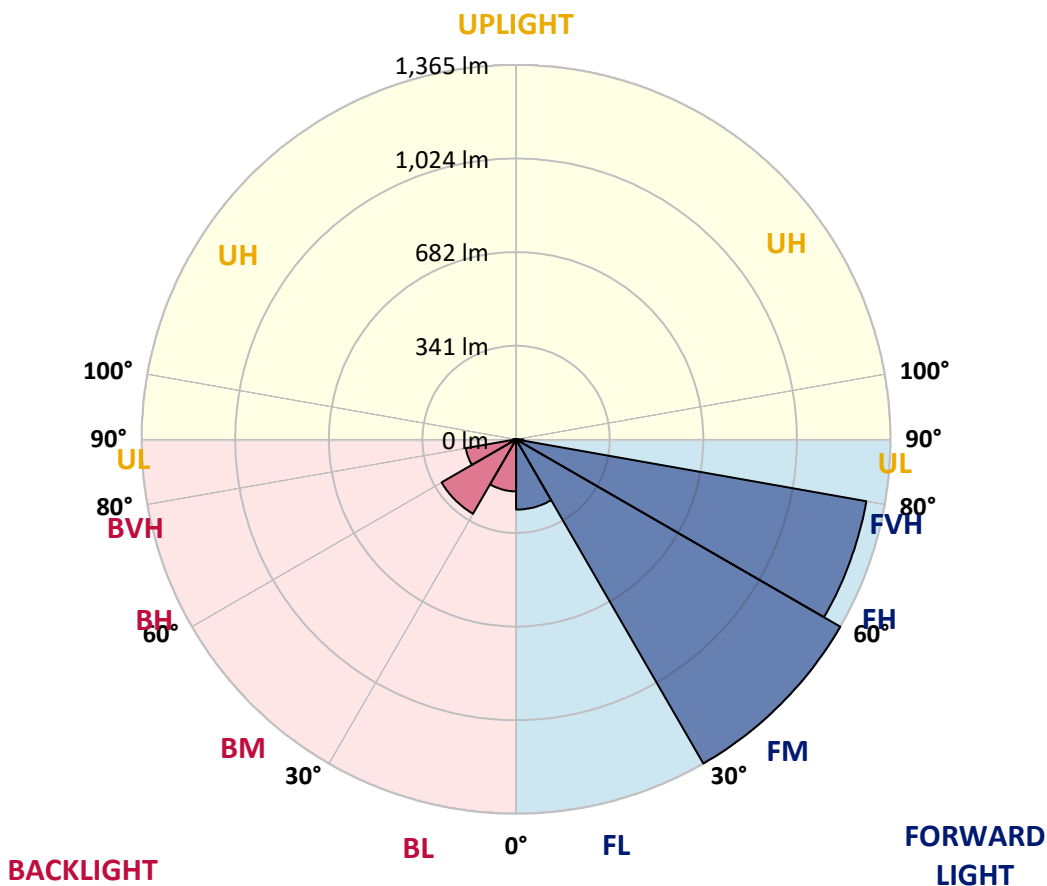
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.1	7.0			
FM (30°-60°)	1364.8	37.5			
FH (60°-80°)	1296.4	35.6			G1/1800
FVH (80°-90°)	25.8	0.7			G1/100
BL (0°-30°)	189.6	5.2	B1/500		
BM (30°-60°)	313.3	8.6	B1/1000		
BH (60°-80°)	186.2	5.1	B1/500		G1/500
BVH (80°-90°)	11.3	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°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
2.5°	550.3	547.3	550.9	552.7	557.3	564.0	569.9	570.1	573.2	580.7	587.9
5°	525.4	523.9	524.9	530.3	535.2	543.7	552.7	553.4	562.2	576.8	591.2
7.5°	506.2	504.1	508.0	514.9	521.1	530.6	542.4	543.4	555.7	577.8	599.9
10°	478.4	476.9	484.1	493.3	506.7	522.3	538.0	539.3	555.5	584.5	615.4
12.5°	466.3	466.3	469.4	478.2	492.8	513.6	537.2	539.3	559.6	594.8	635.1
15°	485.1	486.4	483.8	483.3	489.2	509.0	538.3	541.4	567.3	605.3	654.7
17.5°	522.9	524.1	517.5	506.9	501.0	513.3	542.1	545.5	575.5	616.9	675.7
20°	575.8	577.3	562.7	546.5	526.2	525.9	549.6	552.7	586.1	629.5	698.1
22.5°	637.7	638.7	620.2	594.5	563.5	549.3	562.4	565.5	599.7	647.0	722.2
25°	709.4	712.5	690.1	652.9	610.7	581.4	583.7	587.3	624.1	670.3	750.8
27.5°	786.0	789.8	764.1	723.0	664.9	616.9	611.2	614.3	650.0	684.7	765.9
30°	864.3	867.1	841.5	794.4	723.3	657.0	634.4	636.2	661.3	691.7	781.3
32.5°	951.4	949.1	924.4	870.2	790.6	705.0	655.9	655.4	673.9	705.5	803.4
35°	1033.1	1036.5	1010.3	950.4	864.6	764.4	688.3	686.3	700.7	728.1	834.5
37.5°	1132.0	1131.0	1099.7	1034.9	938.8	821.2	733.8	730.2	735.3	763.3	877.9
40°	1202.7	1209.9	1189.6	1129.2	1025.7	891.0	787.0	779.0	780.3	806.8	936.0
42.5°	1260.5	1267.2	1269.2	1230.7	1125.1	977.4	853.3	845.3	846.1	883.6	1007.4
45°	1305.0	1313.9	1343.0	1331.7	1237.1	1077.1	942.9	934.7	935.2	976.9	1093.8
47.5°	1323.2	1333.0	1391.8	1418.8	1356.1	1196.3	1054.4	1042.4	1044.2	1090.2	1192.4
50°	1317.3	1330.4	1410.0	1485.8	1455.8	1317.5	1187.8	1179.3	1172.4	1239.2	1299.6
52.5°	1266.4	1280.8	1408.2	1528.5	1537.2	1432.1	1325.5	1320.6	1319.1	1397.5	1419.3
55°	1116.6	1140.8	1346.3	1539.8	1600.9	1540.0	1474.8	1466.6	1474.5	1567.0	1540.3
57.5°	1033.6	1051.6	1225.1	1527.2	1653.1	1642.8	1623.8	1624.6	1633.6	1751.2	1687.0
60°	986.4	1007.4	1157.7	1492.8	1703.2	1767.7	1779.8	1779.8	1796.0	1949.9	1836.0
62.5°	923.7	945.0	1094.8	1426.5	1749.4	1914.7	1975.8	1975.0	1981.5	2162.9	1981.7
65°	796.5	816.3	968.4	1321.9	1772.1	2076.5	2198.6	2196.3	2183.4	2352.5	2078.1
67.5°	578.4	597.1	741.8	1123.0	1690.6	2207.0	2428.0	2429.0	2352.2	2471.9	2083.2
70°	381.3	394.1	476.9	729.4	1374.8	2150.8	2524.1	2527.2	2378.2	2397.4	1854.0
72.5°	237.9	246.9	297.8	435.0	812.4	1702.4	2277.4	2285.9	2139.5	2106.8	1523.3
75°	158.0	164.2	198.1	253.6	375.9	921.4	1731.2	1758.4	1714.8	1651.6	1061.4
77.5°	95.1	100.2	126.2	161.1	166.5	360.0	1010.5	1080.9	1087.1	862.3	444.5
80°	43.4	49.3	69.6	92.0	88.6	125.4	356.4	372.8	439.9	273.9	140.3
82.5°	25.7	28.3	46.2	45.7	37.8	60.9	128.2	131.5	111.8	100.2	59.9
85°	10.3	12.1	19.5	17.2	13.9	19.8	48.3	50.6	48.6	43.7	22.1
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	4.4	4.6	6.7	12.1	6.7
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°	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1	588.1
2.5°	592.5	590.9	598.7	604.6	607.1	609.7	607.4	606.6	606.6	601.5	598.9
5°	598.9	599.7	610.2	615.1	615.1	613.0	606.9	602.5	601.0	594.3	592.5
7.5°	611.0	614.3	624.1	623.8	616.6	605.3	589.9	578.1	567.3	562.7	559.9
10°	630.8	635.1	641.8	631.0	611.0	581.2	548.5	522.9	507.4	495.1	495.1
12.5°	653.4	657.5	656.2	631.3	589.9	534.2	487.1	457.6	436.0	424.7	424.7
15°	676.0	679.3	665.5	619.5	546.0	471.7	420.3	384.9	366.1	355.6	355.6
17.5°	698.9	698.6	669.3	592.2	488.7	402.6	352.3	324.8	318.3	316.5	316.3
20°	721.0	715.0	664.4	546.8	422.1	333.0	301.1	302.9	312.4	316.5	317.1
22.5°	745.9	731.2	650.0	488.7	346.6	284.7	286.7	301.6	315.5	321.7	322.4
25°	771.3	745.1	625.9	420.6	283.4	267.0	282.9	299.6	315.3	323.2	324.0
27.5°	781.6	745.1	584.8	341.7	249.7	259.5	277.0	293.2	309.6	318.9	320.7
30°	790.1	738.7	527.2	270.5	235.9	252.3	267.5	282.4	298.6	309.9	311.9
32.5°	801.9	733.0	457.6	227.4	229.4	245.4	255.9	268.5	283.1	290.6	289.8
35°	815.8	724.3	373.6	206.8	224.0	239.5	246.9	254.4	247.7	247.4	248.2
37.5°	835.5	716.6	300.4	197.6	220.4	235.3	241.5	225.6	216.3	212.5	210.9
40°	864.1	713.5	236.9	192.2	219.9	235.1	230.7	206.1	193.5	180.1	179.9
42.5°	900.0	711.2	195.8	189.6	221.7	241.0	215.8	193.2	167.3	161.4	160.8
45°	946.3	707.6	175.2	189.1	226.1	245.6	214.3	175.5	157.8	155.2	155.2
47.5°	1002.0	701.9	166.0	189.1	231.0	243.6	209.7	171.6	153.4	156.2	158.0
50°	1066.0	694.7	161.1	188.6	235.9	243.6	199.9	170.9	152.4	167.0	172.9
52.5°	1134.4	686.5	157.8	186.5	239.2	243.8	200.4	173.4	153.4	169.6	174.5
55°	1209.9	685.2	153.1	182.2	240.2	237.1	201.7	179.1	154.9	153.6	153.9
57.5°	1305.2	700.7	149.8	175.7	236.1	223.5	204.3	183.2	153.1	153.4	155.2
60°	1404.9	729.7	152.6	169.6	227.6	210.7	206.1	181.1	144.4	140.3	140.8
62.5°	1489.7	751.8	154.9	166.7	215.3	199.4	204.3	176.5	139.5	138.5	140.8
65°	1525.1	733.5	149.3	160.8	197.3	185.5	200.4	170.6	135.4	131.5	131.8
67.5°	1485.8	648.0	138.2	147.7	177.0	167.8	194.2	162.9	129.8	125.1	124.1
70°	1269.2	476.1	119.2	126.9	152.4	147.0	184.7	152.9	120.8	117.4	115.1
72.5°	1022.8	337.1	98.9	101.0	119.5	123.8	168.3	140.3	110.5	101.0	97.6
75°	712.0	211.7	82.5	80.4	86.3	94.6	131.3	116.4	95.3	85.3	82.2
77.5°	306.3	108.7	64.5	63.5	57.6	65.5	100.7	97.1	79.9	68.3	66.5
80°	102.5	62.9	46.5	44.7	38.3	46.0	70.9	77.6	62.7	50.6	47.5
82.5°	51.4	36.5	29.5	26.7	25.7	29.0	41.9	48.3	43.4	34.9	29.5
85°	25.2	20.8	16.2	15.9	13.4	12.6	17.5	20.6	19.5	14.4	13.6
87.5°	9.2	8.2	5.1	4.1	2.6	1.8	1.0	1.0	0.8	0.8	0.8
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)