

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: P629284

Luminaire Tested: GWS-SA1B-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3116.1 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

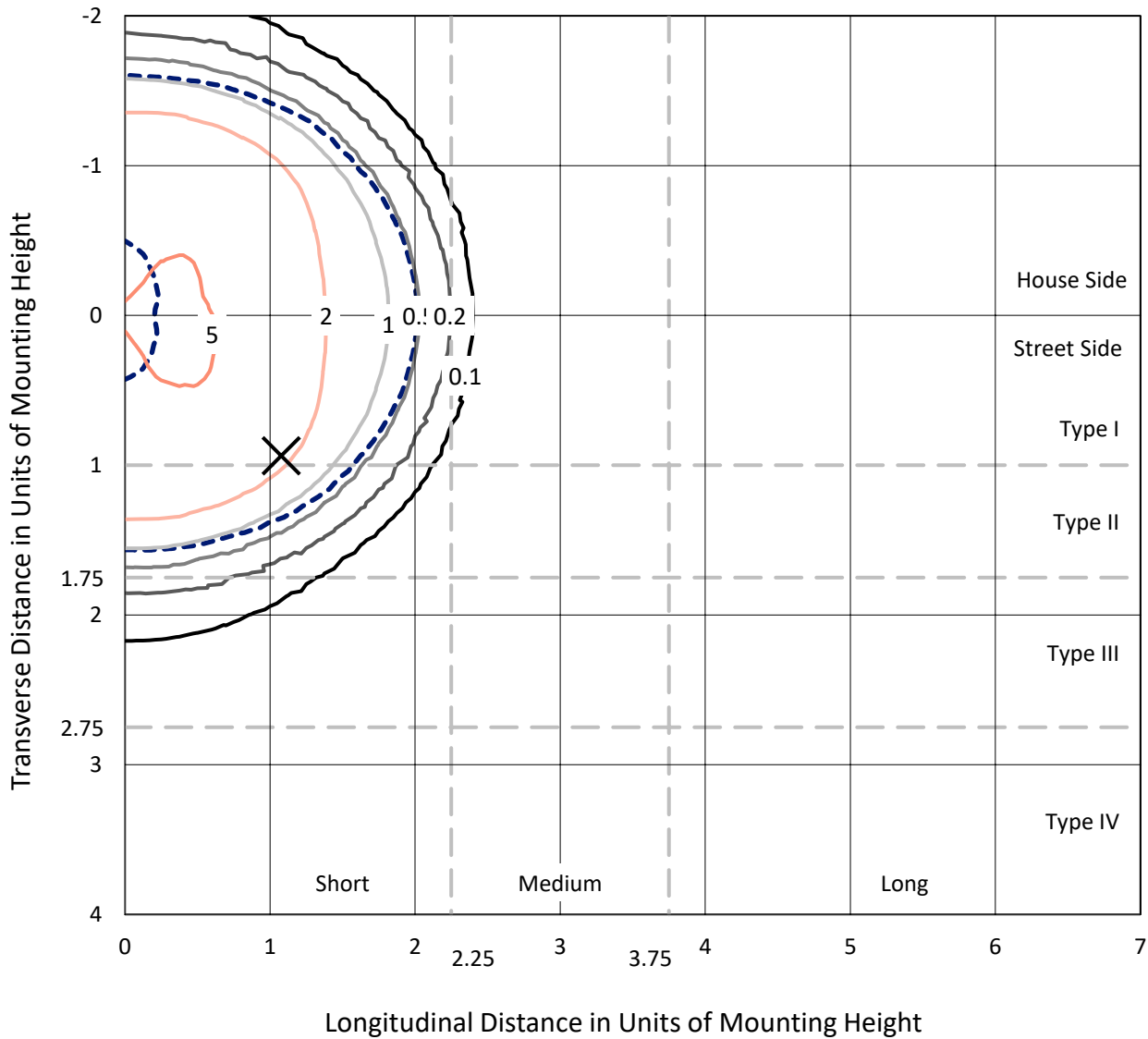
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

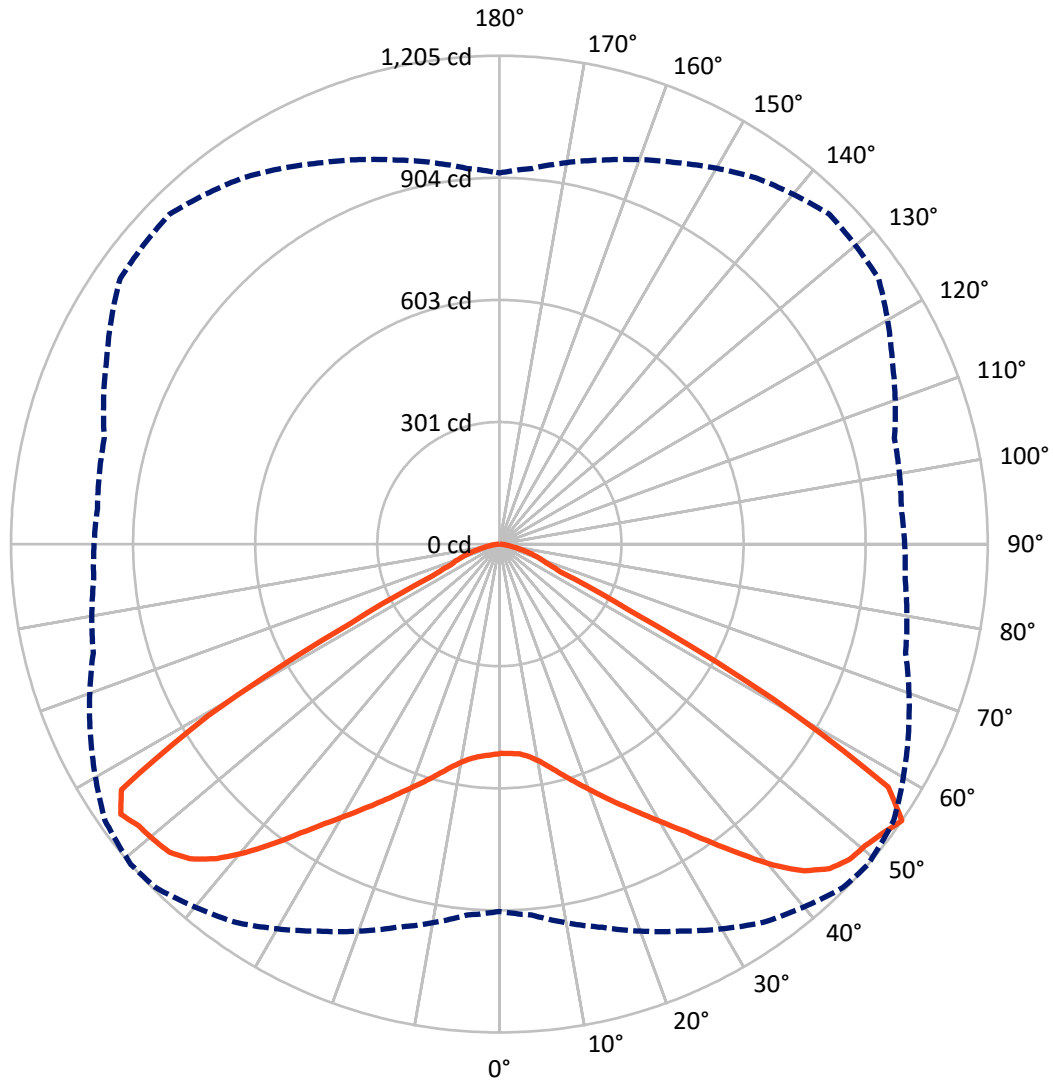
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1542.8	0.0	1542.8
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1573.3	0.0	1573.3
	% Fixture	50.5	0.0	50.5
Total	Lumens	3116.1	0.0	3116.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.6
10°-20°	166.1	5.3
20°-30°	316.4	10.2
30°-40°	536.3	17.2
40°-50°	807.1	25.9
50°-60°	883.4	28.4
60°-70°	279.3	9.0
70°-80°	67.0	2.2
80°-90°	10.1	0.3
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°	3116.1	100.0
0°-180°	3116.1	100.0

Coefficient of Utilization



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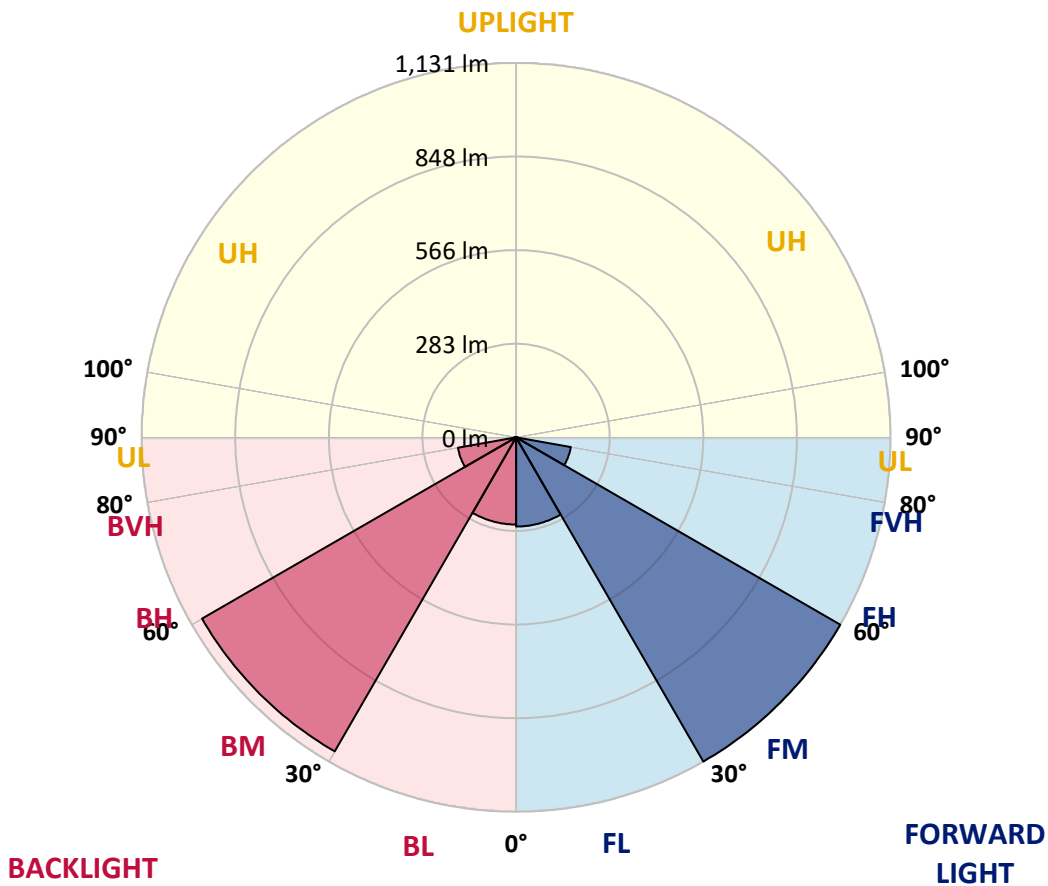
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.4	8.6			
FM (30°-60°)	1131.2	36.3			
FH (60°-80°)	168.0	5.4			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	263.4	8.5	B1/500		
BM (30°-60°)	1095.6	35.2	B2/2500		
BH (60°-80°)	178.4	5.7	B1/500		G0/660
BVH (80°-90°)	5.4	0.2			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°	49°	55°	65°	75°	85°
0°	516.2	516.2	516.2	516.2	516.2	516.2	516.2	516.2	516.2	516.2	516.2
2.5°	508.6	509.1	510.1	511.9	513.7	516.2	517.2	518.5	518.2	519.7	519.7
5°	506.1	506.8	508.3	510.9	513.9	518.7	520.0	523.0	526.1	529.9	531.2
7.5°	509.1	510.1	511.9	515.9	520.5	526.8	529.4	534.4	540.3	547.1	549.9
10°	514.9	516.2	519.2	525.8	533.2	542.8	545.1	551.4	560.8	570.2	575.8
12.5°	521.5	523.5	529.1	539.5	550.4	563.1	566.6	574.5	584.6	596.8	604.4
15°	529.1	530.9	539.5	554.2	571.2	587.9	592.0	599.6	611.0	622.9	633.5
17.5°	545.1	548.1	558.3	575.2	595.0	614.8	619.3	628.0	637.1	646.5	656.6
20°	566.9	569.4	582.3	603.4	626.7	644.7	649.2	656.8	661.2	666.0	674.6
22.5°	588.7	592.2	606.9	631.8	659.1	678.6	682.2	689.3	686.2	684.7	690.3
25°	615.8	620.6	635.1	662.2	690.0	714.1	716.9	723.0	717.9	710.1	709.8
27.5°	649.5	653.8	668.8	696.6	724.3	749.3	754.7	762.8	751.6	742.0	735.1
30°	689.5	692.3	708.8	738.4	766.8	790.6	797.5	805.6	797.2	781.3	774.4
32.5°	736.2	740.0	759.0	790.1	815.5	839.3	846.1	856.3	847.2	829.2	820.5
35°	792.2	796.0	816.0	849.9	875.8	900.4	905.2	913.6	902.1	881.4	874.5
37.5°	853.0	857.8	883.1	915.3	942.4	971.1	971.3	973.9	957.6	931.8	924.2
40°	921.4	927.7	953.1	986.5	1019.2	1042.5	1042.3	1035.2	1007.8	967.8	956.1
42.5°	989.1	994.1	1019.7	1054.2	1086.9	1108.9	1102.3	1085.1	1045.6	991.1	975.6
45°	1038.0	1041.8	1068.6	1107.4	1140.6	1154.3	1142.4	1121.6	1068.1	1005.8	983.0
47.5°	1061.0	1066.1	1093.2	1131.7	1169.2	1177.1	1162.9	1143.4	1081.3	1019.5	988.8
50°	1048.6	1055.2	1085.9	1121.6	1163.9	1180.1	1170.0	1150.5	1095.2	1032.9	999.2
52.5°	1016.4	1022.8	1061.5	1104.9	1152.8	1185.0	1184.7	1168.7	1111.2	1036.7	999.7
55°	906.5	918.9	979.2	1053.9	1139.1	1199.1	1205.2	1188.3	1113.7	1037.7	1005.0
57.5°	589.9	611.7	669.0	766.3	937.1	1090.7	1131.7	1135.8	1095.5	1033.4	1006.0
60°	246.3	263.8	309.2	373.8	514.9	697.6	777.2	857.0	953.3	988.3	996.7
62.5°	153.1	154.6	159.1	173.8	221.0	310.2	361.4	436.1	579.3	701.2	757.4
65°	138.1	138.9	139.9	138.9	141.2	152.0	165.7	191.8	250.1	310.7	382.7
67.5°	121.6	122.7	123.4	122.7	123.4	123.9	125.4	127.7	138.4	147.0	153.6
70°	98.3	99.8	101.1	100.6	103.6	103.6	105.2	106.9	112.3	118.6	123.2
72.5°	75.0	73.7	75.3	75.8	78.6	80.1	82.4	84.4	90.5	94.3	100.1
75°	48.7	47.4	49.7	50.9	54.7	56.8	58.8	60.8	65.1	67.7	73.2
77.5°	26.4	26.1	28.4	30.2	34.2	36.7	38.3	39.8	43.3	44.1	47.6
80°	15.2	15.2	16.7	18.0	20.5	23.3	24.8	26.1	28.6	29.4	30.9
82.5°	8.4	8.4	9.1	9.9	11.9	13.4	14.7	15.7	18.0	18.8	19.5
85°	4.1	3.8	4.3	4.8	5.6	6.3	7.1	7.6	9.4	9.9	10.9
87.5°	0.5	0.5	0.5	0.8	1.0	1.5	1.8	1.8	2.8	3.3	3.8
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°	516.2	516.2	516.2	516.2	516.2	516.2	516.2	516.2	516.2	516.2	516.2
2.5°	521.3	518.0	520.0	520.8	520.8	520.0	516.7	515.7	514.2	511.9	511.9
5°	532.9	530.4	530.9	529.6	526.6	522.8	516.7	513.7	511.1	508.3	508.1
7.5°	552.9	549.7	549.1	544.3	536.2	528.1	519.0	513.4	509.6	506.1	505.8
10°	579.0	576.0	572.2	562.6	550.7	538.8	526.3	518.7	513.2	508.1	507.8
12.5°	608.2	604.6	597.5	583.4	568.4	556.7	542.6	530.9	522.5	515.7	514.4
15°	639.9	634.8	622.6	605.9	591.2	578.8	563.6	546.9	534.2	523.3	522.0
17.5°	664.2	657.6	644.4	628.7	616.6	604.1	584.4	563.3	545.1	531.4	529.4
20°	680.9	675.6	660.6	649.0	641.9	631.0	607.9	584.1	563.6	546.4	545.3
22.5°	696.4	690.0	675.3	668.5	668.5	661.2	639.1	611.0	586.9	566.9	564.3
25°	713.9	707.0	695.9	695.1	698.7	695.4	668.8	638.6	610.5	587.9	583.9
27.5°	738.2	730.6	724.0	728.6	733.6	730.1	700.4	665.5	635.8	613.0	609.5
30°	777.0	767.6	761.5	767.1	777.0	766.6	734.4	697.4	667.5	642.4	640.6
32.5°	822.1	811.4	805.1	814.0	822.8	806.6	774.7	739.2	707.8	681.4	678.4
35°	876.3	862.9	853.5	865.4	874.5	858.6	826.9	793.2	758.2	730.8	726.8
37.5°	924.4	908.2	901.9	918.6	930.8	920.4	885.9	854.3	816.0	786.1	784.3
40°	959.4	943.5	938.9	966.5	987.8	985.3	954.4	918.1	882.1	847.7	844.4
42.5°	974.6	963.5	964.5	1001.7	1034.7	1050.9	1023.3	984.5	949.8	914.1	911.8
45°	977.9	971.1	979.2	1025.8	1069.1	1102.3	1078.8	1046.3	1007.1	972.6	971.6
47.5°	981.5	977.7	990.1	1039.5	1090.9	1129.5	1116.3	1082.8	1043.0	1009.3	1006.8
50°	989.8	988.3	1002.2	1049.1	1101.3	1136.8	1121.9	1088.7	1047.9	1014.7	1008.6
52.5°	992.4	989.8	1009.8	1064.1	1118.6	1136.6	1104.4	1061.0	1020.0	983.0	976.7
55°	1000.2	995.7	1009.3	1069.7	1142.4	1151.3	1103.4	1038.5	981.2	930.8	915.8
57.5°	1002.2	997.2	1006.0	1060.5	1116.5	1108.7	969.8	838.0	730.1	674.1	680.4
60°	991.3	992.9	977.7	971.6	895.6	790.6	593.7	474.6	372.8	329.7	339.1
62.5°	754.7	761.0	709.0	616.6	474.1	375.8	248.6	193.1	163.5	155.8	157.1
65°	380.9	389.5	335.5	277.5	206.3	166.7	144.2	139.6	138.1	136.3	136.3
67.5°	150.8	153.3	151.3	141.7	131.8	128.2	127.2	126.7	124.9	123.9	124.2
70°	121.1	123.2	120.1	114.0	110.0	109.7	109.2	108.2	106.9	106.9	107.7
72.5°	98.8	100.9	96.6	92.7	89.7	87.4	86.2	85.4	83.6	83.6	84.4
75°	72.7	74.0	70.4	69.9	66.6	64.4	62.3	61.3	59.0	58.0	58.8
77.5°	48.4	48.1	46.4	46.4	45.1	42.3	40.0	37.8	34.7	32.7	33.2
80°	31.4	31.4	30.7	30.7	29.4	27.1	24.3	22.0	20.3	18.8	18.8
82.5°	20.0	19.8	19.5	19.3	18.8	16.5	14.4	12.9	11.7	10.6	10.9
85°	11.2	11.2	10.6	10.6	9.6	8.4	7.3	6.3	5.6	5.3	5.3
87.5°	3.8	3.8	3.5	3.5	3.0	2.3	1.8	1.5	1.3	1.0	1.3
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)