

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: P629130

Luminaire Tested: GWS-SA1B-722-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-722-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

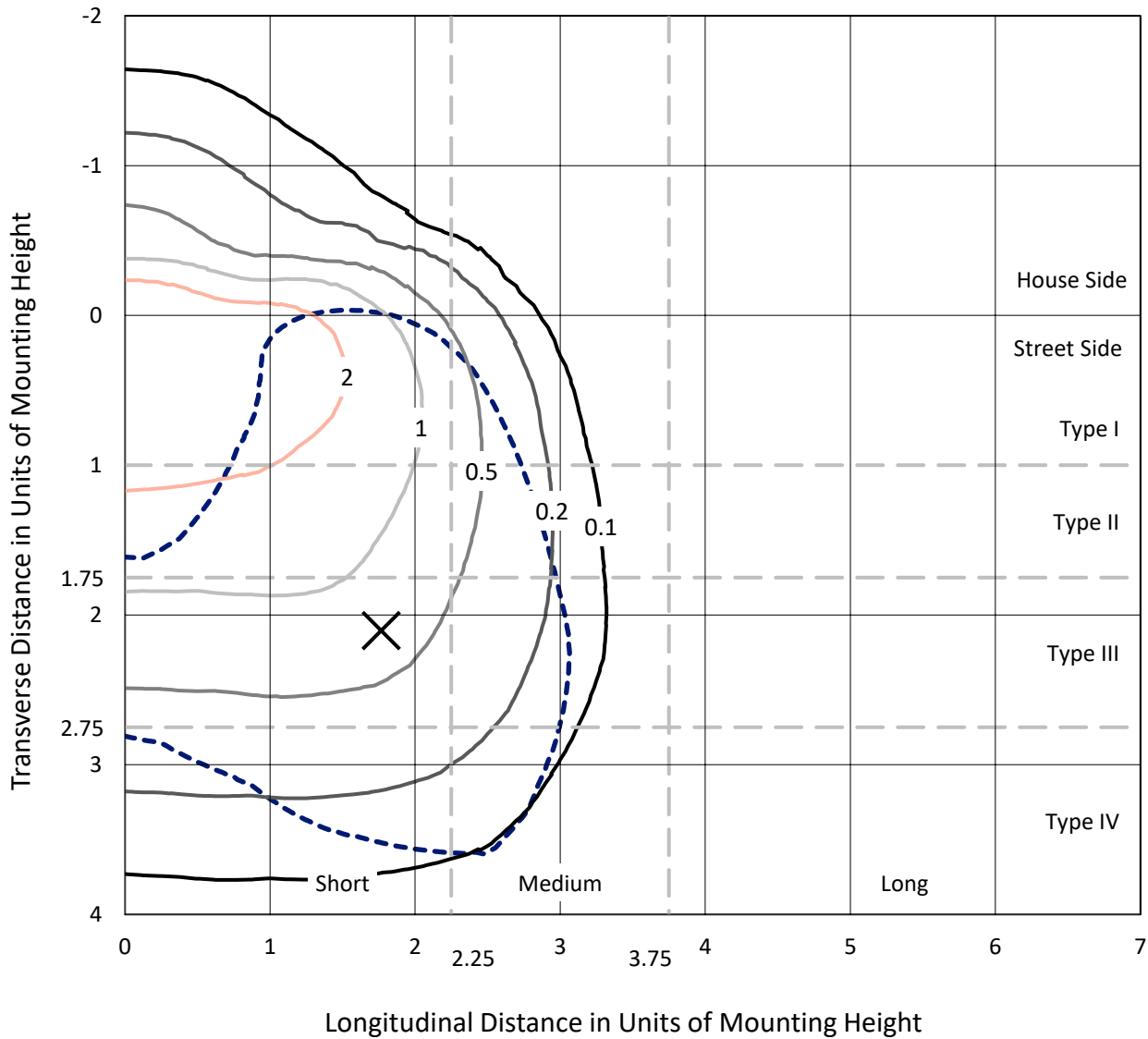
Lumens per Lamp: N/A  
Luminaire Lumens: 2535.4 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

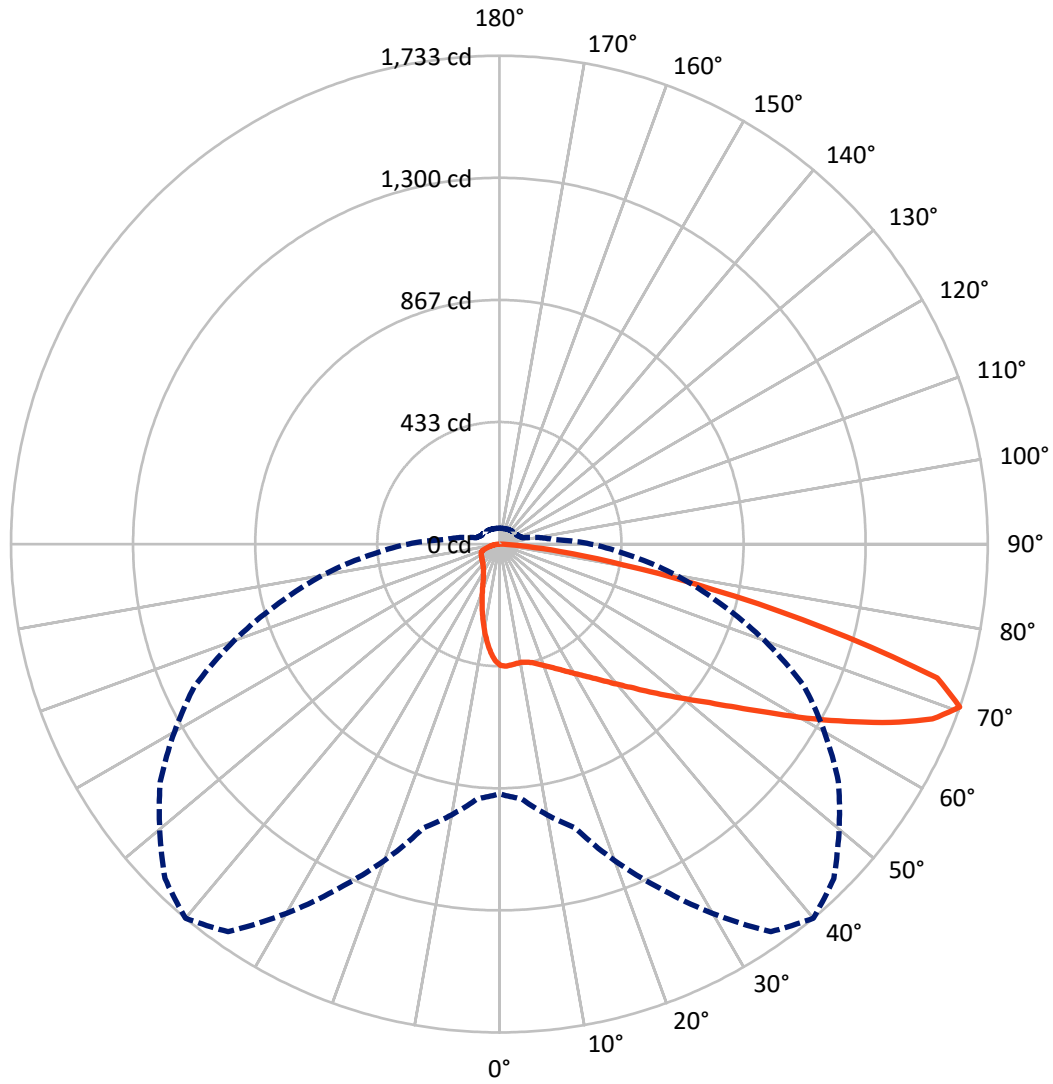
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	390.5	0.0	390.5
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	2144.9	0.0	2144.9
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	2535.4	0.0	2535.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.0	1.5
10°-20°	99.1	3.9
20°-30°	155.7	6.1
30°-40°	234.0	9.2
40°-50°	361.3	14.2
50°-60°	536.5	21.2
60°-70°	676.3	26.7
70°-80°	391.1	15.4
80°-90°	43.4	1.7
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°	2535.4	100.0
0°-180°	2535.4	100.0

**Coefficient of Utilization**



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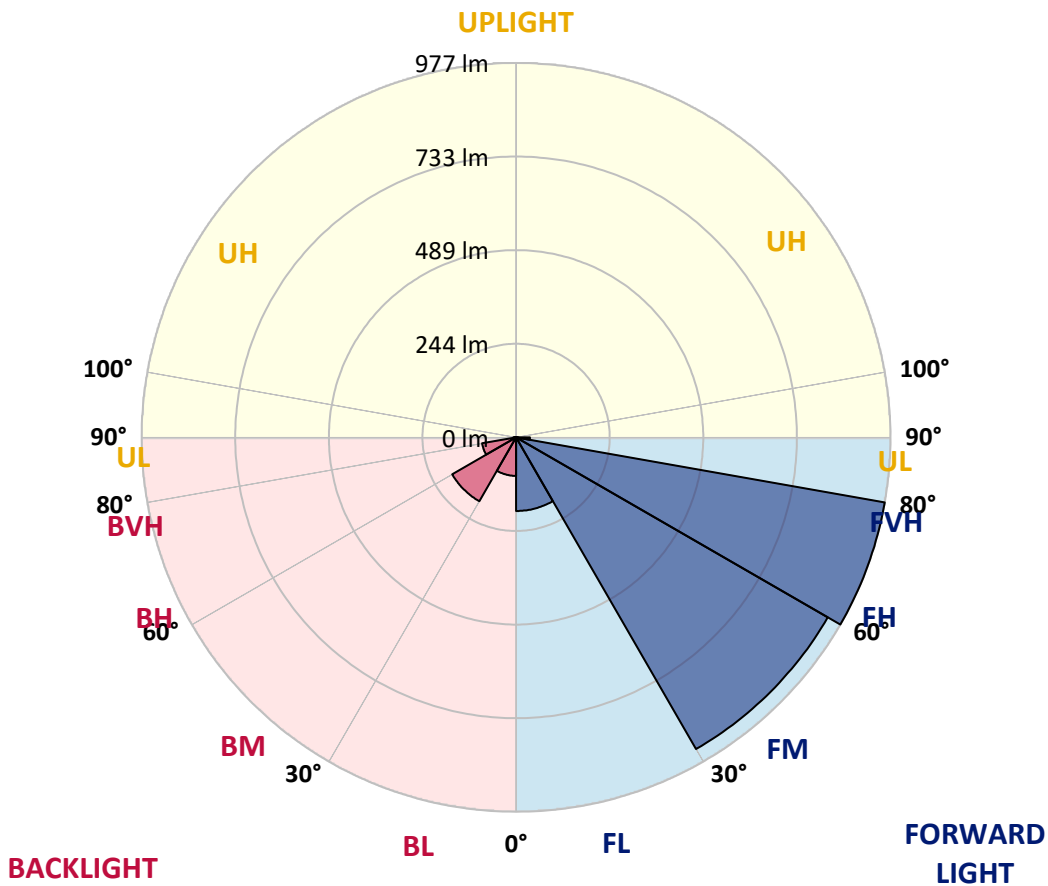
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.2	7.6			
FM (30°-60°)	939.3	37.0			
FH (60°-80°)	977.2	38.5			G1/1800
FVH (80°-90°)	36.1	1.4			G1/100
BL (0°-30°)	100.6	4.0	B0/110		
BM (30°-60°)	192.5	7.6	B0/220		
BH (60°-80°)	90.1	3.6	B0/110		G0/110
BVH (80°-90°)	7.3	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5
2.5°	433.2	433.9	434.5	435.3	434.9	433.8	434.7	434.7	432.6	430.4	428.3
5°	433.8	434.7	434.5	434.3	432.8	430.9	430.9	429.8	426.2	422.6	419.2
7.5°	432.6	432.4	432.2	431.7	430.0	427.9	427.5	425.2	420.5	415.6	410.7
10°	427.5	427.3	427.9	429.2	428.8	426.9	426.9	424.9	419.4	413.3	406.9
12.5°	423.3	423.3	425.6	429.2	430.5	429.8	430.0	428.5	422.2	415.0	407.5
15°	423.9	424.1	429.0	434.9	437.4	436.8	437.0	435.3	428.3	421.1	410.9
17.5°	427.7	428.6	437.2	445.3	448.5	447.8	446.4	443.6	435.6	427.5	415.0
20°	435.6	437.2	448.1	458.4	462.1	460.4	458.2	452.5	443.8	434.9	419.6
22.5°	451.4	452.3	464.4	474.4	477.5	475.4	470.8	462.7	452.7	443.4	425.1
25°	473.5	474.6	486.2	495.5	494.7	492.2	486.0	476.0	464.0	454.2	433.0
27.5°	499.8	501.7	513.1	520.4	515.5	511.9	504.9	492.8	479.4	470.5	445.1
30°	528.6	529.3	539.0	546.4	538.8	533.9	525.4	512.3	500.2	493.6	463.3
32.5°	556.4	557.1	565.5	569.6	561.7	558.1	550.7	536.9	528.4	524.8	490.3
35°	585.7	585.5	592.3	595.9	587.8	586.3	578.7	568.1	566.6	571.3	529.9
37.5°	615.1	613.4	616.9	621.7	617.1	618.7	613.7	610.1	616.0	628.3	582.5
40°	638.5	638.5	642.3	648.2	649.7	656.3	653.5	658.2	677.1	706.5	647.6
42.5°	659.3	659.5	667.5	676.6	687.5	697.8	700.0	712.3	751.5	797.5	729.4
45°	681.1	681.3	692.1	705.3	728.6	748.1	752.6	780.3	836.3	892.3	818.1
47.5°	706.3	704.2	719.1	741.3	774.4	802.4	814.1	853.3	924.1	993.0	901.8
50°	734.7	730.3	747.0	785.2	826.1	864.5	884.2	929.0	1018.3	1085.9	980.5
52.5°	766.6	764.2	781.6	828.2	890.6	934.9	961.6	1020.4	1109.9	1178.4	1042.9
55°	806.4	800.5	825.7	884.9	966.3	1022.7	1054.3	1110.9	1210.1	1262.5	1090.6
57.5°	849.9	843.5	877.2	955.9	1064.7	1126.6	1166.1	1212.7	1304.3	1326.8	1118.6
60°	896.8	894.8	934.7	1039.2	1182.0	1254.0	1282.5	1324.7	1386.2	1364.1	1111.6
62.5°	939.8	939.1	997.1	1129.4	1306.4	1385.5	1408.2	1419.4	1445.3	1361.6	1056.0
65°	985.0	991.5	1070.0	1234.1	1448.9	1526.5	1535.9	1507.6	1465.2	1297.1	942.1
67.5°	990.7	1003.2	1115.8	1332.1	1584.0	1657.2	1649.7	1541.0	1406.5	1117.5	738.4
70°	886.1	907.8	1042.8	1347.1	1679.2	1733.1	1678.4	1468.9	1193.6	809.6	464.4
72.5°	740.3	759.1	878.3	1148.7	1556.4	1625.1	1551.1	1243.4	843.5	464.4	236.6
75°	576.3	598.0	708.0	913.1	1165.2	1192.6	1155.6	867.1	463.7	191.5	107.5
77.5°	351.6	367.3	452.9	618.7	815.3	774.2	656.1	486.2	203.4	91.8	66.4
80°	155.6	165.2	223.1	332.3	471.0	445.3	351.1	207.6	111.3	58.3	46.4
82.5°	83.5	89.7	110.0	131.5	206.8	216.3	175.4	119.6	59.8	33.3	26.5
85°	36.7	40.3	50.0	47.7	67.9	66.8	67.4	82.1	28.6	15.3	17.2
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	2.1	11.0	2.8	4.5	4.0
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°	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5
2.5°	426.0	422.6	421.6	420.5	418.4	414.8	412.2	409.2	407.8	406.3	406.5
5°	415.4	411.2	407.3	402.2	395.7	388.5	383.6	377.9	374.9	372.1	372.8
7.5°	406.3	399.9	391.7	381.0	369.4	356.5	346.1	338.0	332.5	328.7	330.6
10°	400.6	393.1	378.9	361.3	341.8	322.1	307.2	293.1	284.4	277.6	277.2
12.5°	399.5	389.7	369.0	343.5	315.3	289.0	267.0	248.1	236.6	228.0	231.3
15°	400.6	388.1	360.5	327.0	291.4	255.9	228.6	206.8	193.0	185.3	184.7
17.5°	402.0	386.6	350.9	309.2	266.5	225.8	194.2	171.1	156.9	149.1	149.3
20°	403.1	384.4	339.5	289.7	241.1	197.8	165.0	143.1	130.4	124.7	125.7
22.5°	405.0	382.1	327.4	268.9	215.2	170.7	141.9	124.1	116.6	112.8	113.0
25°	408.6	380.8	314.9	246.2	189.6	149.1	126.0	114.1	109.4	107.1	106.9
27.5°	416.0	381.9	301.9	224.3	166.5	132.7	115.8	108.1	104.8	103.3	103.1
30°	428.3	386.4	290.5	201.9	146.7	119.8	108.8	104.1	102.2	100.9	100.7
32.5°	447.0	395.0	278.2	181.1	130.6	110.3	103.3	100.9	99.5	98.8	98.8
35°	475.4	410.5	266.1	162.9	118.1	103.0	99.0	98.0	96.9	96.5	96.9
37.5°	516.3	435.3	255.1	147.0	109.2	97.3	94.2	94.6	93.7	94.2	94.8
40°	568.1	468.4	245.8	134.0	102.6	93.1	90.1	91.4	90.8	91.4	92.4
42.5°	633.8	509.5	238.8	123.8	97.8	89.7	86.9	88.2	87.8	88.6	89.5
45°	707.0	563.6	235.6	116.6	94.4	87.2	84.2	85.2	84.8	85.4	86.3
47.5°	777.2	612.8	238.5	112.4	91.6	85.2	81.9	82.3	82.1	81.9	82.5
50°	837.8	652.0	246.6	111.1	89.7	83.1	80.1	80.2	79.7	78.5	78.9
52.5°	887.2	683.4	251.5	111.1	88.8	80.8	78.0	78.2	77.0	75.5	75.7
55°	919.7	696.1	247.5	110.9	88.4	78.9	75.9	76.1	74.9	73.0	73.2
57.5°	929.0	683.8	230.9	108.8	88.0	77.4	73.8	74.2	73.4	71.3	71.3
60°	903.1	638.7	200.4	104.1	87.1	76.5	72.3	72.9	72.5	70.4	70.4
62.5°	835.2	558.7	164.1	96.9	84.4	75.3	71.0	72.1	73.0	71.9	71.7
65°	708.0	447.6	133.4	88.9	81.0	73.4	69.1	71.9	74.0	75.5	75.5
67.5°	531.2	320.4	108.8	80.6	75.9	69.6	66.6	69.3	70.8	71.7	72.3
70°	323.8	188.5	85.7	71.0	68.5	64.0	61.7	59.0	57.0	56.6	56.8
72.5°	158.4	107.9	69.6	60.4	58.5	54.3	49.2	48.1	47.1	46.6	46.4
75°	87.2	75.1	57.5	50.2	46.7	41.6	40.5	38.6	38.2	37.5	37.7
77.5°	61.7	59.2	47.5	40.7	35.6	32.9	33.5	32.2	32.2	31.6	31.4
80°	46.4	46.6	36.5	29.7	26.3	25.4	25.9	25.9	25.5	25.4	25.2
82.5°	29.3	33.1	24.6	19.1	18.7	18.9	18.7	18.5	18.9	18.4	18.2
85°	20.2	23.8	15.0	11.4	11.4	11.2	11.5	11.4	11.7	11.2	11.2
87.5°	4.5	10.6	5.5	3.4	3.6	3.4	3.6	3.8	4.2	4.4	4.4
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)