

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: P629614

Luminaire Tested: GWS-SA1C-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629614
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3121.1 lumens
Efficiency: N/A
Efficacy: 91.5 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

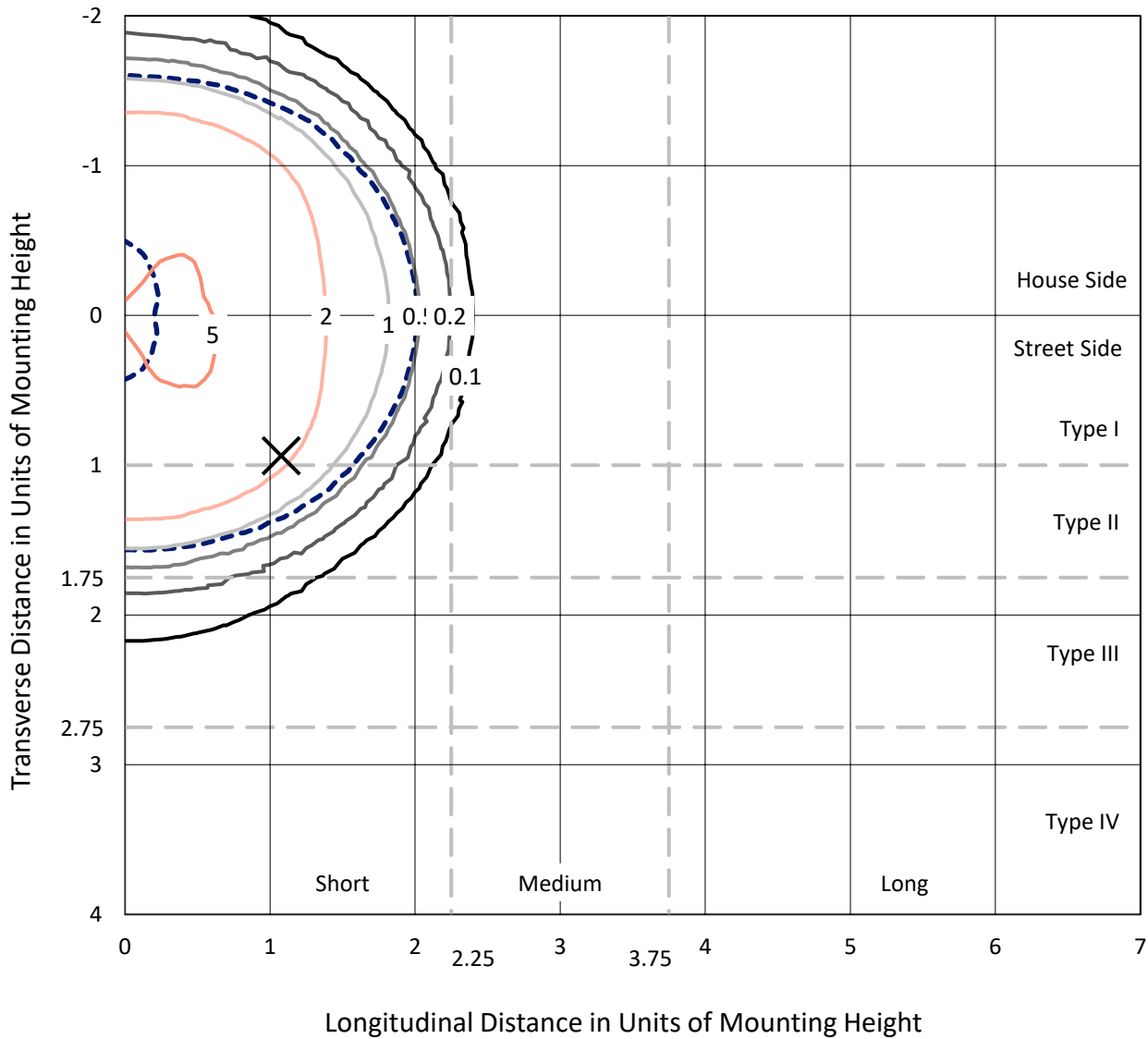
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

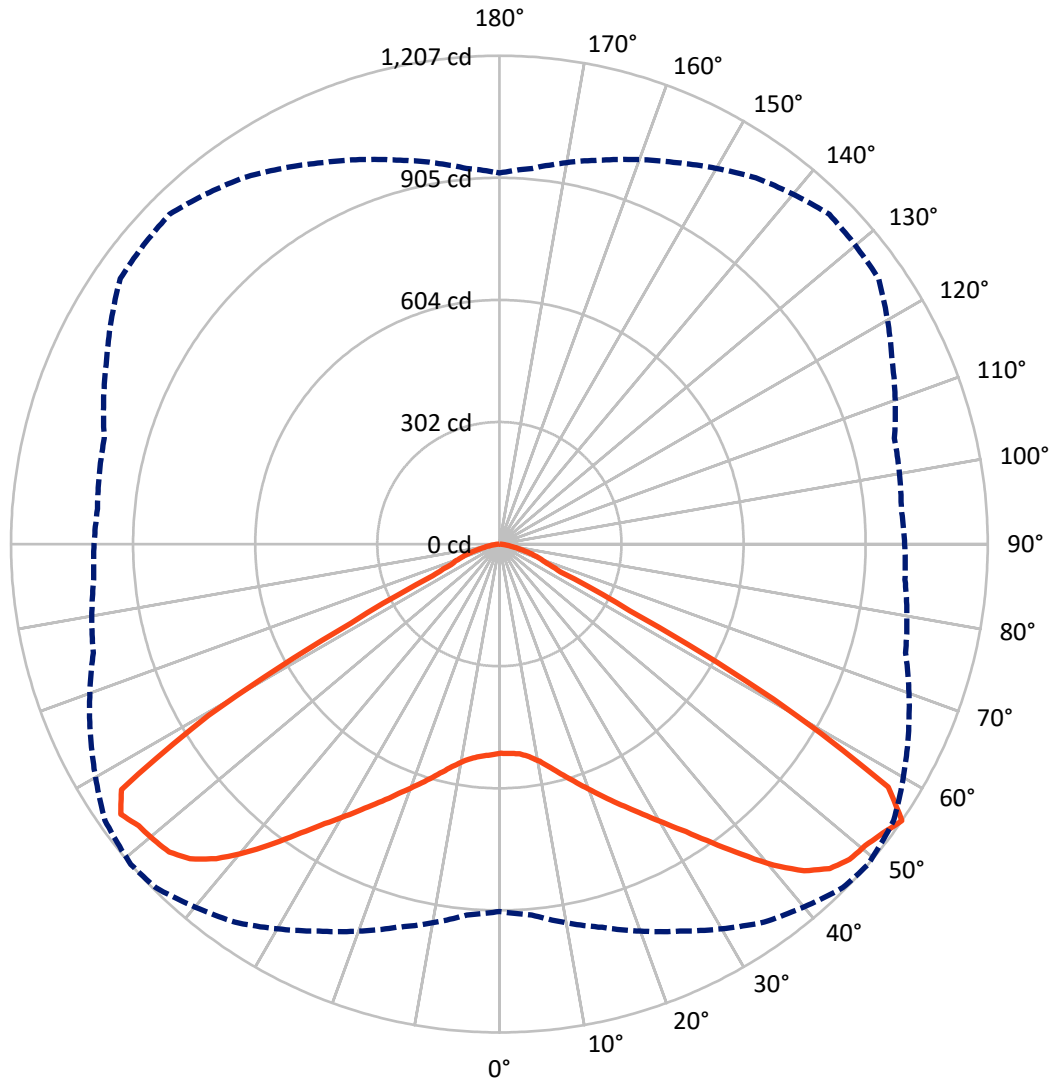
✕ Max cd
 - - - 1/2 Max cd



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	1545.2	0.0	1545.2
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	1575.9	0.0	1575.9
	% Fixture	50.5	0.0	50.5
Total	Lumens	3121.1	0.0	3121.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.6
10°-20°	166.4	5.3
20°-30°	316.9	10.2
30°-40°	537.2	17.2
40°-50°	808.4	25.9
50°-60°	884.9	28.4
60°-70°	279.8	9.0
70°-80°	67.2	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°	3121.1	100.0
0°-180°	3121.1	100.0

Coefficient of Utilization



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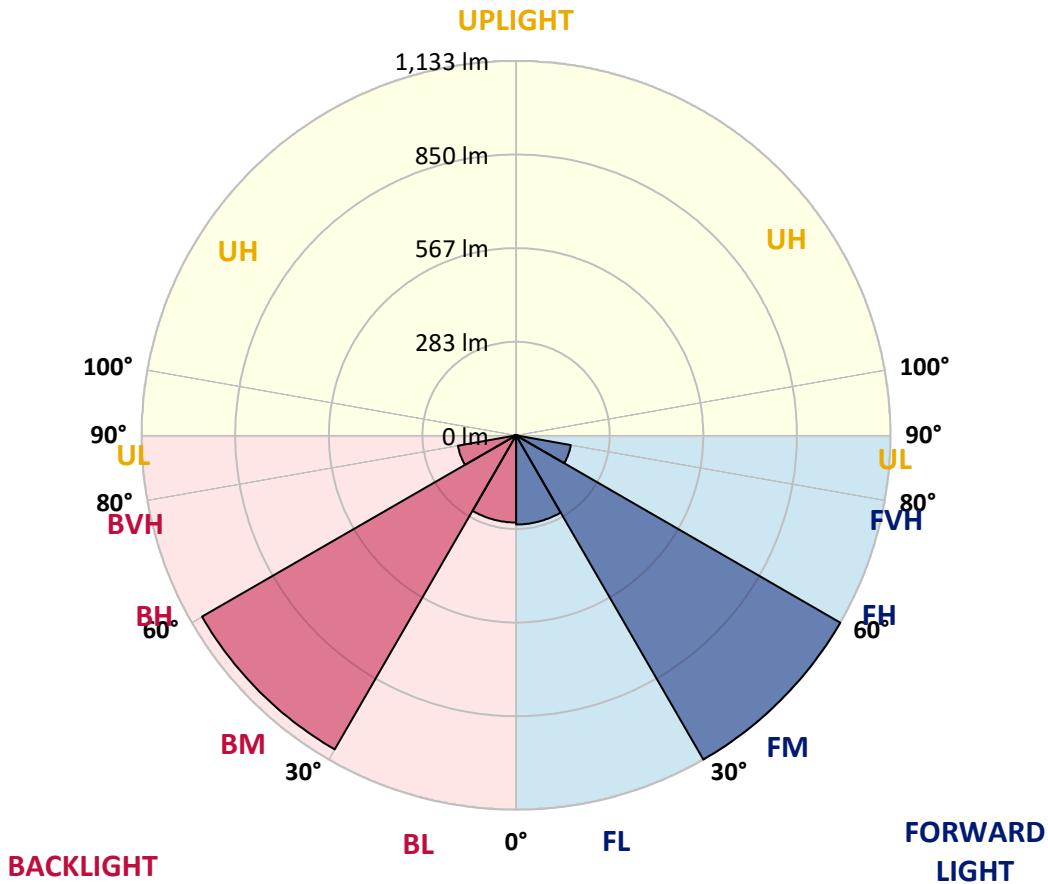
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.8	8.6			
FM (30°-60°)	1133.0	36.3			
FH (60°-80°)	168.3	5.4			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	263.8	8.5	B1/500		
BM (30°-60°)	1097.4	35.2	B2/2500		
BH (60°-80°)	178.6	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°	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0
2.5°	509.4	509.9	510.9	512.7	514.5	517.0	518.0	519.3	519.1	520.6	520.6
5°	506.9	507.6	509.2	511.7	514.7	519.6	520.8	523.9	526.9	530.7	532.0
7.5°	509.9	510.9	512.7	516.8	521.3	527.7	530.2	535.3	541.1	548.0	550.8
10°	515.8	517.0	520.1	526.7	534.0	543.7	546.0	552.3	561.7	571.1	576.7
12.5°	522.4	524.4	530.0	540.4	551.3	564.0	567.5	575.4	585.6	597.7	605.4
15°	530.0	531.8	540.4	555.1	572.1	588.9	592.9	600.5	612.0	623.9	634.5
17.5°	546.0	549.0	559.2	576.2	596.0	615.8	620.3	629.0	638.1	647.5	657.6
20°	567.8	570.3	583.3	604.3	627.7	645.7	650.3	657.9	662.2	667.0	675.7
22.5°	589.6	593.2	607.9	632.8	660.2	679.7	683.3	690.4	687.3	685.8	691.4
25°	616.8	621.6	636.1	663.2	691.1	715.3	718.1	724.1	719.1	711.2	710.9
27.5°	650.5	654.9	669.8	697.7	725.4	750.5	755.9	764.0	752.8	743.2	736.3
30°	690.6	693.4	709.9	739.6	768.1	791.9	798.8	806.9	798.5	782.5	775.7
32.5°	737.3	741.2	760.2	791.4	816.8	840.6	847.5	857.7	848.5	830.5	821.9
35°	793.4	797.2	817.3	851.3	877.2	901.8	906.6	915.0	903.6	882.8	875.9
37.5°	854.4	859.2	884.6	916.8	944.0	972.6	972.9	975.4	959.2	933.3	925.7
40°	922.9	929.2	954.6	988.1	1020.9	1044.2	1044.0	1036.9	1009.4	969.3	957.7
42.5°	990.7	995.7	1021.4	1055.9	1088.6	1110.7	1104.1	1086.9	1047.3	992.7	977.2
45°	1039.6	1043.4	1070.4	1109.2	1142.4	1156.1	1144.2	1123.4	1069.8	1007.4	984.6
47.5°	1062.7	1067.8	1095.0	1133.6	1171.1	1179.0	1164.8	1145.2	1083.0	1021.1	990.4
50°	1050.3	1056.9	1087.6	1123.4	1165.8	1182.0	1171.9	1152.3	1097.0	1034.6	1000.8
52.5°	1018.1	1024.4	1063.2	1106.7	1154.6	1186.9	1186.6	1170.6	1113.0	1038.4	1001.3
55°	907.9	920.3	980.8	1055.6	1140.9	1201.1	1207.2	1190.2	1115.5	1039.4	1006.6
57.5°	590.9	612.7	670.1	767.5	938.6	1092.4	1133.6	1137.6	1097.3	1035.1	1007.7
60°	246.7	264.2	309.7	374.4	515.8	698.8	778.5	858.4	954.9	989.9	998.3
62.5°	153.3	154.8	159.4	174.1	221.3	310.7	361.9	436.8	580.2	702.3	758.7
65°	138.3	139.1	140.1	139.1	141.4	152.3	166.0	192.1	250.5	311.2	383.3
67.5°	121.8	122.8	123.6	122.8	123.6	124.1	125.6	127.9	138.6	147.2	153.8
70°	98.5	100.0	101.3	100.8	103.8	103.8	105.3	107.1	112.4	118.8	123.4
72.5°	75.1	73.9	75.4	75.9	78.7	80.2	82.5	84.5	90.6	94.4	100.3
75°	48.7	47.5	49.7	51.0	54.8	56.9	58.9	60.9	65.2	67.8	73.4
77.5°	26.4	26.1	28.4	30.2	34.3	36.8	38.3	39.8	43.4	44.2	47.7
80°	15.2	15.2	16.8	18.0	20.6	23.4	24.9	26.1	28.7	29.4	31.0
82.5°	8.4	8.4	9.1	9.9	11.9	13.5	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°	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0
2.5°	522.1	518.8	520.8	521.6	521.6	520.8	517.5	516.5	515.0	512.7	512.7
5°	533.8	531.2	531.8	530.5	527.4	523.6	517.5	514.5	512.0	509.2	508.9
7.5°	553.8	550.5	550.0	545.2	537.1	529.0	519.8	514.2	510.4	506.9	506.6
10°	580.0	576.9	573.1	563.5	551.5	539.6	527.2	519.6	514.0	508.9	508.7
12.5°	609.2	605.6	598.5	584.3	569.3	557.6	543.4	531.8	523.4	516.5	515.3
15°	640.9	635.8	623.6	606.9	592.2	579.7	564.5	547.7	535.1	524.1	522.9
17.5°	665.3	658.7	645.5	629.7	617.5	605.1	585.3	564.2	546.0	532.3	530.2
20°	682.0	676.7	661.7	650.0	642.9	632.0	608.9	585.1	564.5	547.2	546.2
22.5°	697.5	691.1	676.4	669.6	669.6	662.2	640.1	612.0	587.8	567.8	565.3
25°	715.0	708.2	697.0	696.2	699.8	696.5	669.8	639.6	611.4	588.9	584.8
27.5°	739.4	731.8	725.2	729.7	734.8	731.3	701.6	666.5	636.8	614.0	610.4
30°	778.2	768.8	762.7	768.3	778.2	767.8	735.6	698.5	668.6	643.4	641.7
32.5°	823.4	812.7	806.4	815.3	824.2	807.9	775.9	740.4	708.9	682.5	679.5
35°	877.7	864.3	854.9	866.8	875.9	859.9	828.2	794.5	759.4	732.0	728.0
37.5°	925.9	909.7	903.3	920.1	932.3	921.9	887.4	855.6	817.3	787.3	785.6
40°	961.0	945.0	940.4	968.1	989.4	986.8	955.9	919.6	883.5	849.0	845.7
42.5°	976.2	965.0	966.0	1003.3	1036.3	1052.6	1024.9	986.1	951.3	915.5	913.2
45°	979.5	972.6	980.8	1027.5	1070.9	1104.1	1080.5	1048.0	1008.7	974.2	973.1
47.5°	983.0	979.2	991.7	1041.2	1092.7	1131.3	1118.1	1084.6	1044.7	1011.0	1008.4
50°	991.4	989.9	1003.9	1050.8	1103.1	1138.6	1123.7	1090.4	1049.5	1016.3	1010.2
52.5°	994.0	991.4	1011.5	1065.8	1120.4	1138.4	1106.1	1062.7	1021.6	984.6	978.2
55°	1001.8	997.3	1011.0	1071.4	1144.2	1153.1	1105.1	1040.1	982.8	932.3	917.3
57.5°	1003.9	998.8	1007.7	1062.2	1118.3	1110.5	971.4	839.4	731.3	675.2	681.5
60°	992.9	994.5	979.2	973.1	897.0	791.9	594.7	475.4	373.4	330.2	339.6
62.5°	755.9	762.2	710.2	617.5	474.9	376.4	249.0	193.4	163.7	156.1	157.4
65°	381.5	390.1	336.1	277.9	206.6	167.0	144.4	139.9	138.3	136.6	136.6
67.5°	151.0	153.6	151.5	141.9	132.0	128.4	127.4	126.9	125.1	124.1	124.4
70°	121.3	123.4	120.3	114.2	110.2	109.9	109.4	108.4	107.1	107.1	107.9
72.5°	99.0	101.0	96.7	92.9	89.9	87.6	86.3	85.5	83.8	83.8	84.5
75°	72.8	74.1	70.6	70.1	66.8	64.5	62.4	61.4	59.1	58.1	58.9
77.5°	48.5	48.2	46.4	46.4	45.2	42.4	40.1	37.8	34.8	32.7	33.3
80°	31.5	31.5	30.7	30.7	29.4	27.2	24.4	22.1	20.3	18.8	18.8
82.5°	20.1	19.8	19.5	19.3	18.8	16.5	14.5	12.9	11.7	10.7	10.9
85°	11.2	11.2	10.7	10.7	9.6	8.4	7.4	6.3	5.6	5.3	5.3
87.5°	3.8	3.8	3.6	3.6	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)