

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: P629349

Luminaire Tested: GWS-SA1B-740-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2823.9 lumens
Efficiency: N/A
Efficacy: 113.0 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

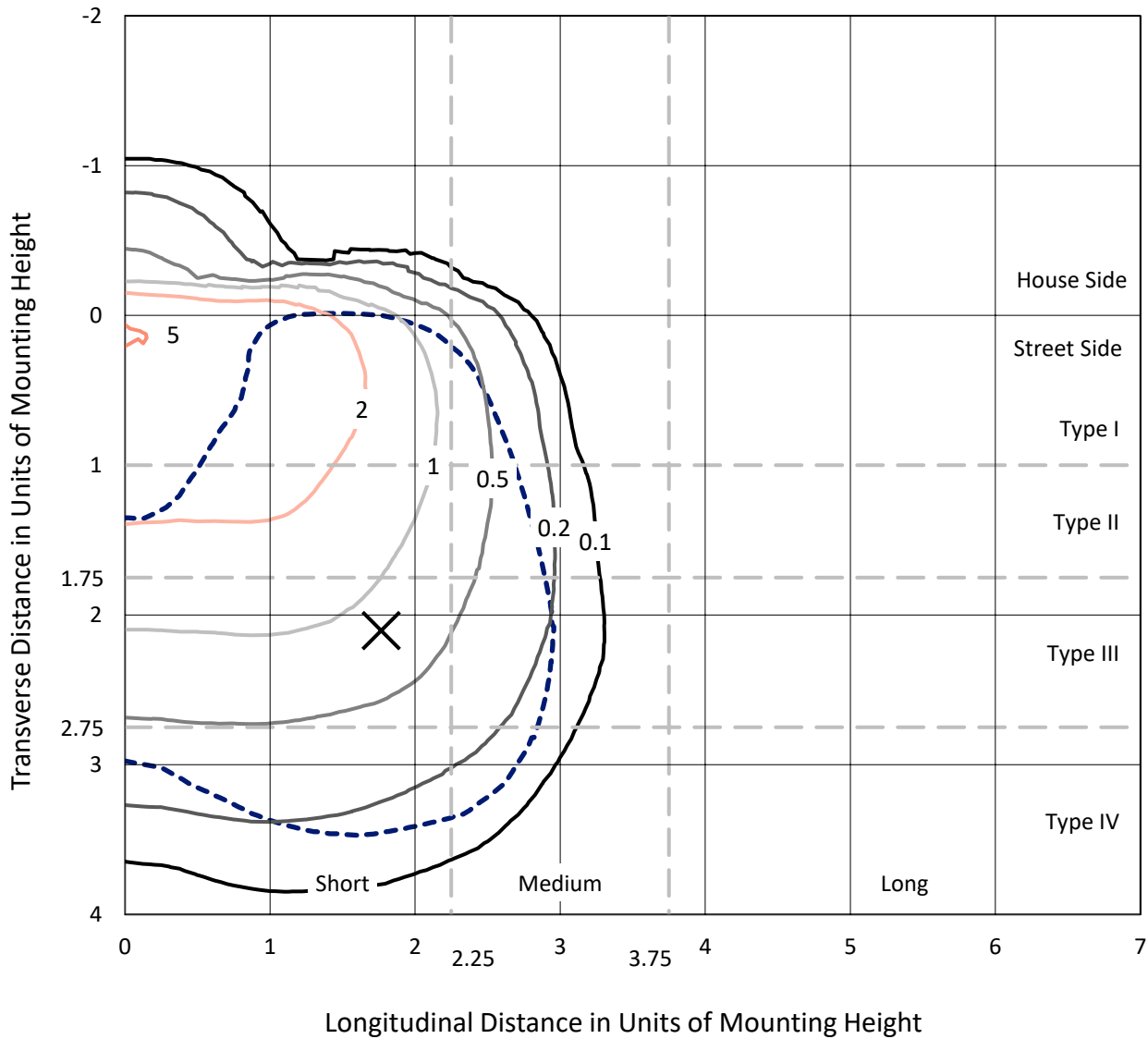
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

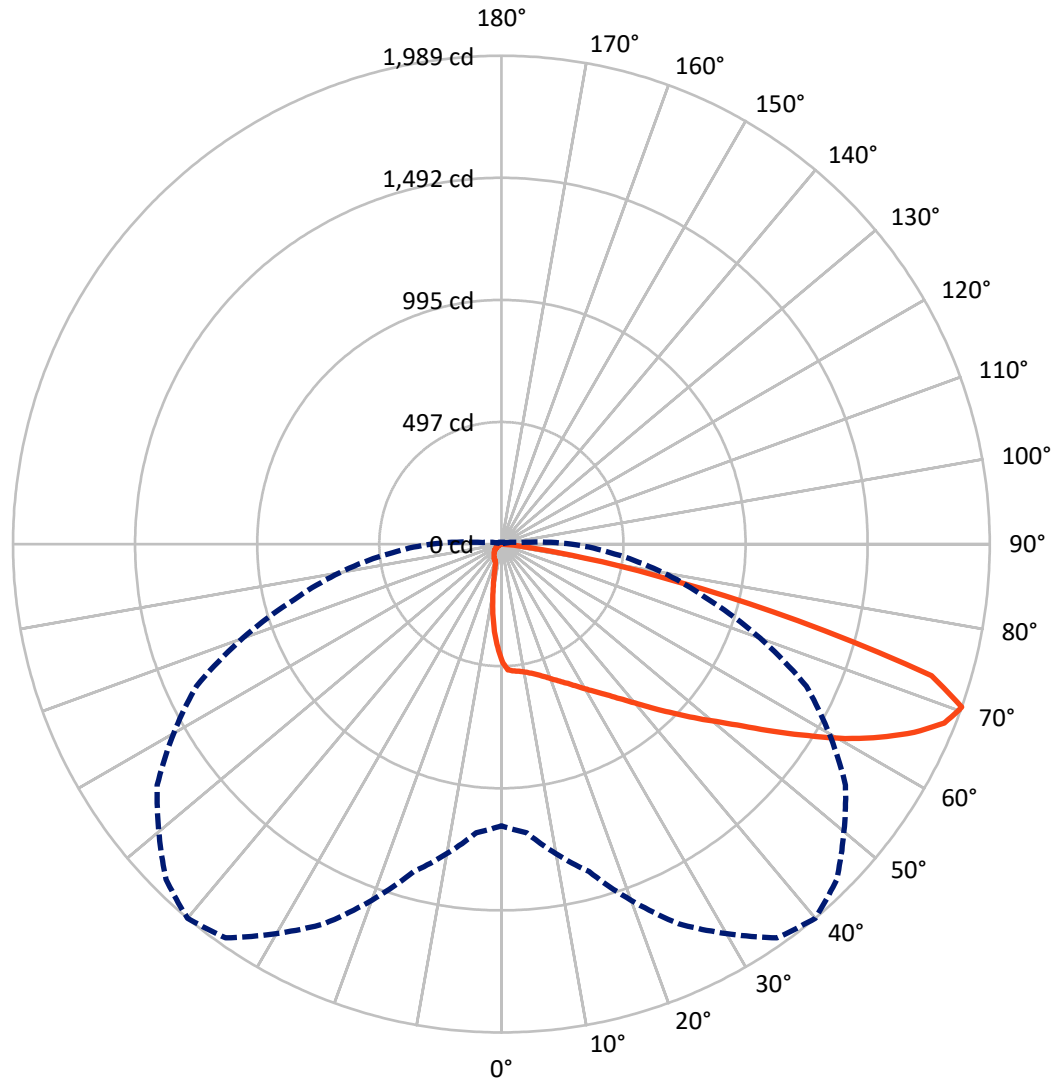
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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
House Side	Lumens	230.9	0.0	230.9
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	2593.0	0.0	2593.0
	% Fixture	91.8	0.0	91.8
Total	Lumens	2823.9	0.0	2823.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.4
10°-20°	102.7	3.6
20°-30°	171.9	6.1
30°-40°	270.0	9.6
40°-50°	427.1	15.1
50°-60°	623.0	22.1
60°-70°	772.3	27.4
70°-80°	390.8	13.8
80°-90°	25.5	0.9
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°	2823.9	100.0
0°-180°	2823.9	100.0

Coefficient of Utilization



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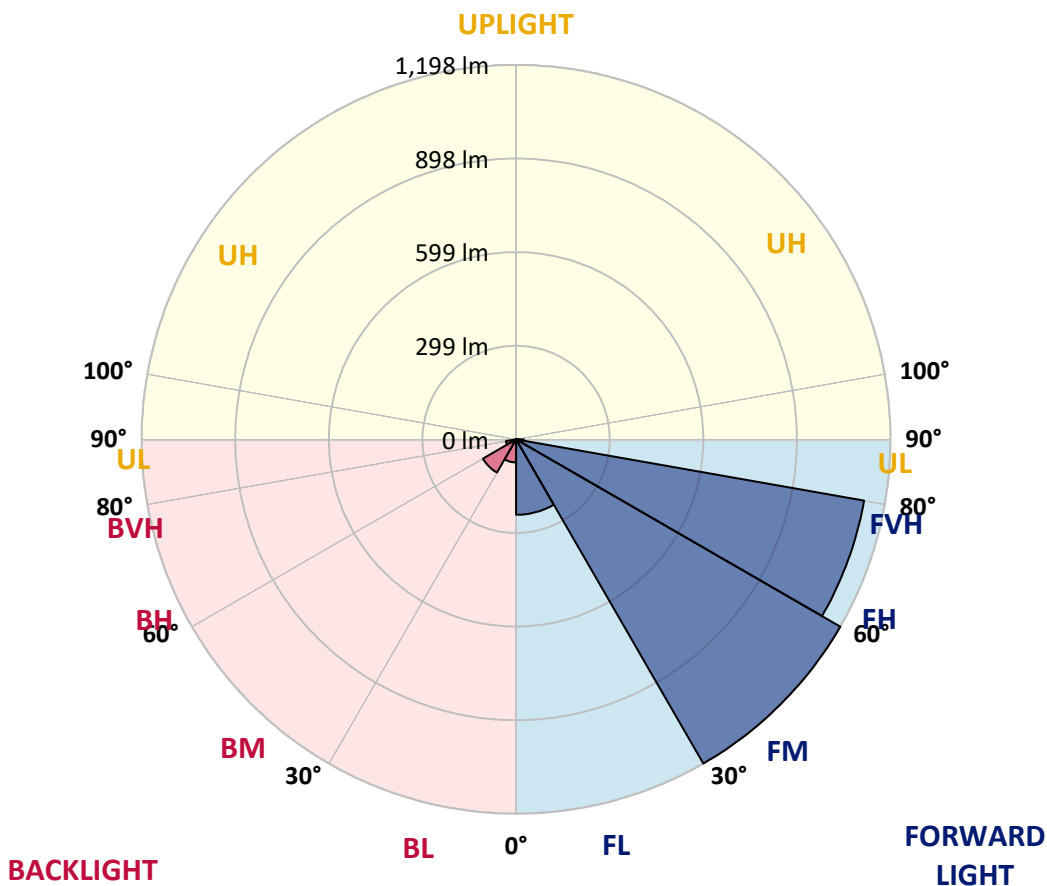
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.4	8.5			
FM (30°-60°)	1197.6	42.4			
FH (60°-80°)	1130.2	40.0			G1/1800
FVH (80°-90°)	23.8	0.8			G1/100
BL (0°-30°)	73.7	2.6	B0/110		
BM (30°-60°)	122.6	4.3	B0/220		
BH (60°-80°)	32.9	1.2	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			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°	479.2	479.2	479.2	479.2	479.2	479.2	479.2	479.2	479.2	479.2	479.2
2.5°	515.2	517.0	516.7	517.5	515.7	512.8	512.3	508.5	501.5	492.8	483.0
5°	525.7	527.7	526.2	525.4	522.1	519.0	518.2	514.1	506.2	494.3	477.4
7.5°	534.7	535.2	534.2	532.4	527.5	523.4	520.5	514.9	505.4	493.6	474.0
10°	536.2	536.0	536.5	536.7	533.7	530.1	527.7	520.0	508.0	495.4	474.3
12.5°	534.4	534.4	537.8	541.6	541.6	539.8	537.5	530.6	516.4	501.5	479.4
15°	536.7	537.5	543.9	551.1	553.4	551.6	550.6	543.4	528.8	512.3	488.7
17.5°	545.0	545.7	556.0	566.8	569.6	567.6	565.5	558.3	542.6	524.7	499.2
20°	557.0	559.1	572.2	586.1	588.6	586.1	582.0	571.9	556.3	538.0	509.2
22.5°	579.1	580.4	594.5	609.2	610.5	606.4	600.2	586.3	569.9	552.2	520.5
25°	608.4	610.2	624.3	638.5	635.1	629.0	620.5	604.8	586.1	568.9	534.9
27.5°	643.4	645.4	659.3	671.6	662.9	655.7	646.2	626.7	607.6	592.0	553.4
30°	681.1	682.9	695.3	706.3	694.7	686.3	675.0	654.9	635.7	623.8	579.6
32.5°	717.6	717.4	729.2	738.2	726.4	719.7	709.4	689.1	673.7	668.5	618.7
35°	751.5	751.5	761.3	770.3	761.8	758.2	748.7	732.5	723.8	729.9	670.9
37.5°	785.7	783.9	793.2	803.2	802.4	802.7	797.3	789.6	790.1	811.9	742.5
40°	814.0	813.2	824.0	837.1	847.4	855.6	852.3	855.1	871.3	912.1	834.3
42.5°	836.6	838.4	852.3	873.1	899.0	915.7	918.0	929.6	971.2	1034.4	937.8
45°	862.5	862.8	882.1	913.9	955.3	981.7	991.0	1020.8	1079.9	1161.3	1051.4
47.5°	894.4	891.3	912.9	957.6	1017.5	1056.5	1073.0	1110.2	1201.7	1285.2	1143.9
50°	929.6	923.9	948.3	1009.2	1087.1	1135.9	1169.3	1223.8	1322.4	1386.9	1212.7
52.5°	970.4	965.0	992.8	1068.6	1170.6	1229.9	1272.9	1327.8	1426.0	1464.5	1253.8
55°	1022.3	1016.9	1046.2	1139.8	1269.3	1346.3	1391.3	1437.5	1522.3	1521.8	1283.6
57.5°	1079.9	1072.4	1113.0	1229.7	1392.3	1472.5	1518.2	1540.8	1595.6	1566.3	1303.7
60°	1145.9	1139.2	1195.5	1336.8	1534.4	1608.7	1637.4	1628.2	1655.7	1592.5	1296.7
62.5°	1205.5	1202.5	1272.3	1450.4	1669.8	1732.5	1740.5	1700.1	1699.9	1593.0	1250.0
65°	1267.5	1273.4	1377.2	1581.2	1806.0	1848.1	1834.5	1771.6	1717.6	1530.0	1111.8
67.5°	1290.6	1307.8	1446.3	1699.4	1913.4	1946.3	1922.4	1807.3	1643.9	1318.3	846.6
70°	1147.7	1180.1	1381.0	1706.0	1957.8	1989.2	1931.9	1711.2	1370.5	873.3	463.8
72.5°	872.8	910.6	1150.8	1397.0	1760.8	1832.2	1734.3	1394.1	883.3	382.6	155.7
75°	488.4	529.3	857.1	1051.9	1182.2	1247.4	1211.4	894.4	391.3	99.9	46.5
77.5°	165.2	178.8	398.8	650.8	780.3	721.7	611.0	444.2	143.9	38.0	24.7
80°	97.9	103.0	148.5	324.0	410.6	340.4	268.8	164.2	73.2	20.3	17.2
82.5°	29.3	34.7	82.0	120.2	160.8	100.2	84.8	93.8	38.0	11.0	14.4
85°	0.0	0.0	17.5	37.3	42.1	16.4	16.4	53.2	6.9	4.6	10.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	0.8	1.0	2.3
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°	479.2	479.2	479.2	479.2	479.2	479.2	479.2	479.2	479.2	479.2	479.2
2.5°	476.1	467.1	456.6	446.6	437.0	424.7	418.8	411.6	405.4	402.1	403.9
5°	466.6	452.5	430.9	409.0	386.9	366.1	347.4	334.8	323.5	317.6	318.9
7.5°	458.4	439.4	405.7	370.0	334.5	298.8	269.8	247.2	229.7	222.5	221.2
10°	454.8	430.9	383.3	332.0	277.5	229.4	188.3	163.4	145.7	136.9	138.5
12.5°	456.6	426.5	364.3	294.7	224.0	168.0	128.7	105.3	92.8	87.6	86.3
15°	461.7	425.5	347.4	256.7	172.9	117.4	88.9	79.4	76.8	76.3	76.3
17.5°	467.6	425.7	329.9	218.1	131.3	87.1	76.1	74.3	73.5	73.0	73.2
20°	473.5	425.7	309.9	179.1	98.7	75.3	72.5	71.2	70.4	70.1	70.1
22.5°	480.7	425.7	287.5	142.9	79.1	71.4	69.1	68.3	67.6	67.3	67.1
25°	489.5	426.0	262.8	111.8	71.9	68.1	66.3	65.5	64.7	64.2	64.2
27.5°	502.0	428.1	235.6	87.1	67.8	65.0	63.5	62.7	61.9	61.2	61.2
30°	520.3	433.2	205.0	71.9	64.0	61.7	60.1	59.6	58.8	58.1	57.8
32.5°	547.5	442.2	173.4	64.5	60.4	58.1	56.3	55.8	55.0	54.2	54.0
35°	585.6	458.6	142.6	59.9	55.8	53.4	52.4	52.2	51.1	50.4	50.4
37.5°	641.3	485.3	113.1	55.2	51.9	50.1	48.8	48.3	47.3	46.5	46.2
40°	709.4	520.0	87.9	51.6	48.3	46.5	45.2	44.4	43.2	42.1	41.6
42.5°	796.2	562.4	69.4	47.8	45.0	43.2	42.1	40.6	38.8	37.3	37.0
45°	886.7	606.1	57.3	44.2	41.9	40.3	39.1	37.0	34.4	32.6	32.1
47.5°	956.1	633.3	50.1	40.3	38.5	37.3	35.7	33.1	30.1	28.0	27.5
50°	1005.6	637.5	44.7	36.7	35.7	34.4	32.1	29.0	25.7	23.6	23.1
52.5°	1030.0	619.0	40.3	33.4	32.6	31.3	28.5	25.2	21.6	19.5	19.0
55°	1041.1	584.0	36.2	30.6	29.5	28.0	24.9	21.3	17.7	15.9	15.4
57.5°	1036.7	532.4	32.6	27.7	26.5	24.7	21.3	17.5	14.6	12.8	12.6
60°	1004.4	459.9	29.0	24.9	23.4	21.3	18.0	14.4	11.8	10.5	10.3
62.5°	934.5	370.0	25.4	21.6	20.6	18.5	15.4	11.8	9.8	9.0	8.7
65°	791.4	261.6	21.8	18.2	17.7	15.7	12.8	9.8	8.5	8.0	7.7
67.5°	568.9	159.0	18.5	15.7	15.2	13.4	10.8	8.5	7.7	7.5	7.5
70°	286.0	75.3	14.6	12.8	12.8	11.0	9.2	7.7	7.5	7.2	7.2
72.5°	97.1	32.1	11.0	10.0	10.5	9.5	8.0	7.2	7.2	7.2	7.2
75°	33.1	17.0	7.7	7.2	7.7	7.7	6.9	6.9	7.2	7.2	7.2
77.5°	21.6	11.3	5.4	4.9	5.9	5.9	5.9	6.4	6.9	6.9	6.9
80°	17.7	6.2	3.6	3.3	4.4	4.4	4.9	5.9	6.4	6.4	6.4
82.5°	15.2	3.9	2.1	2.3	3.1	3.3	4.1	4.9	5.7	5.9	5.9
85°	10.3	2.1	1.5	1.8	2.1	2.6	3.3	4.1	4.6	5.1	5.1
87.5°	2.8	0.8	1.0	1.3	1.3	1.8	2.6	3.1	3.6	3.9	3.9
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)