

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P956258

Luminaire Tested: **GALN-SB9A-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

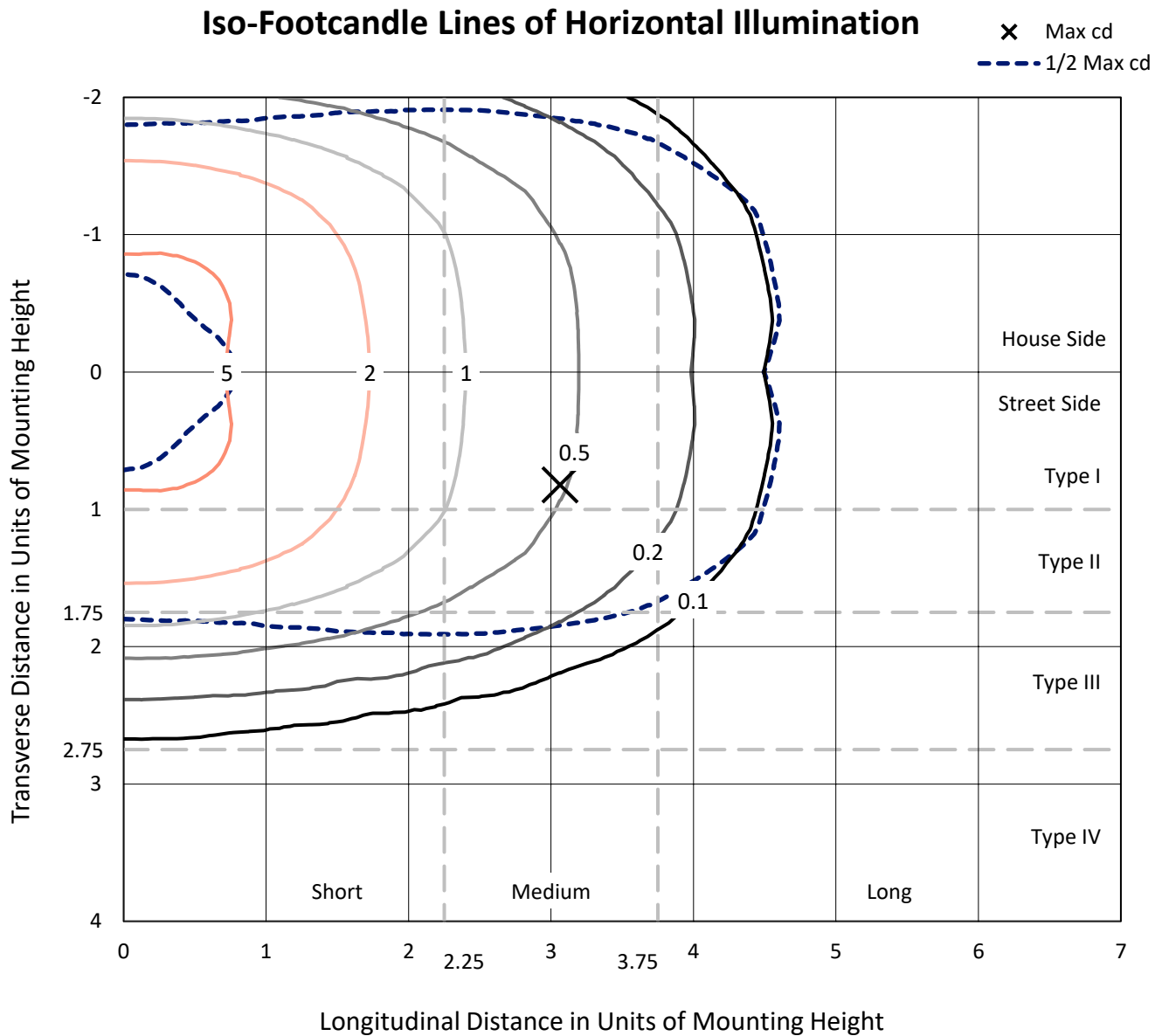
Lumens per Lamp: N/A
Luminaire Lumens: 34756 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



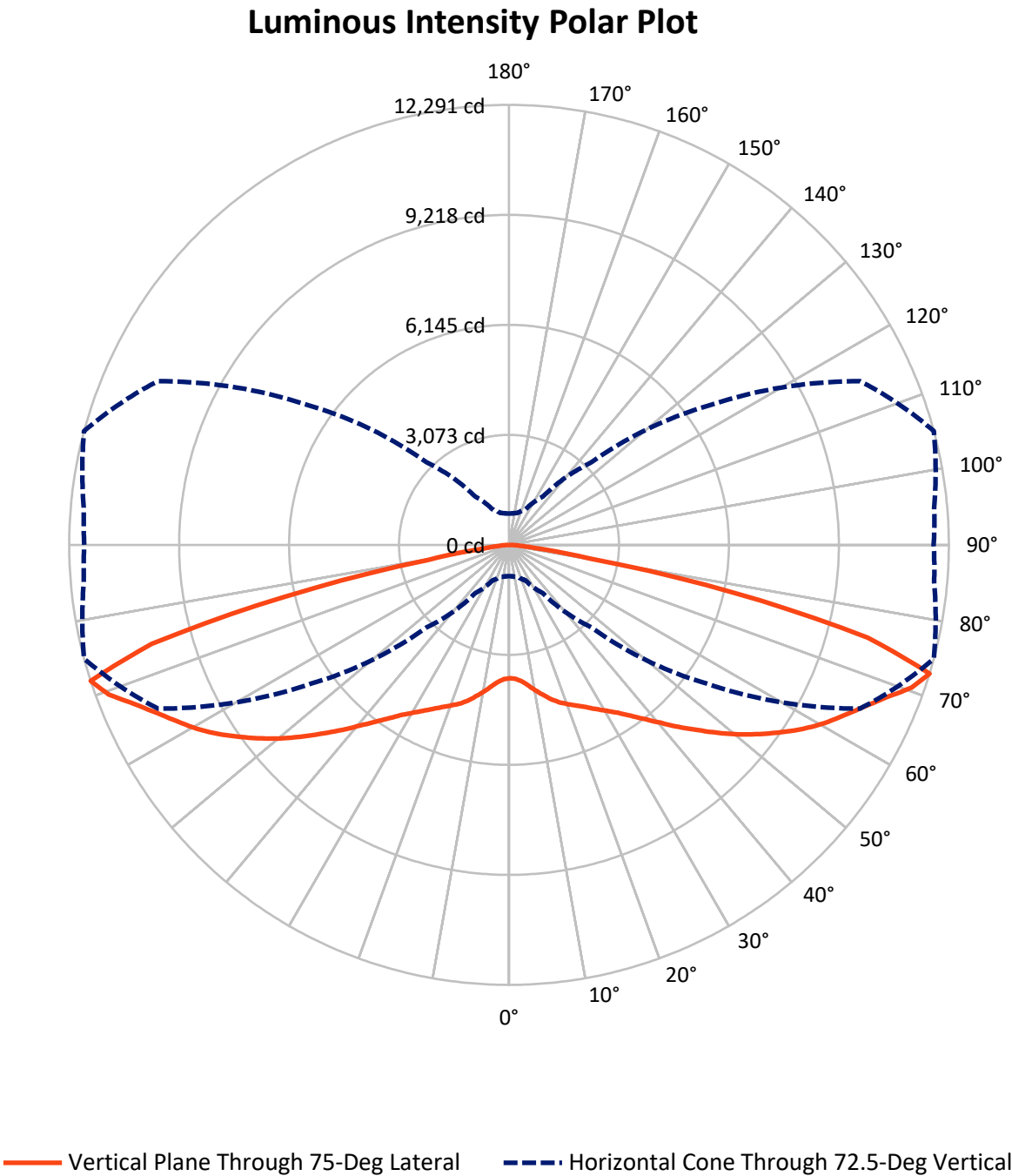
REPORT NUMBER: P956258

CATALOG NUMBER: GALN-SB9A-722-U-RW



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Medium - N/A

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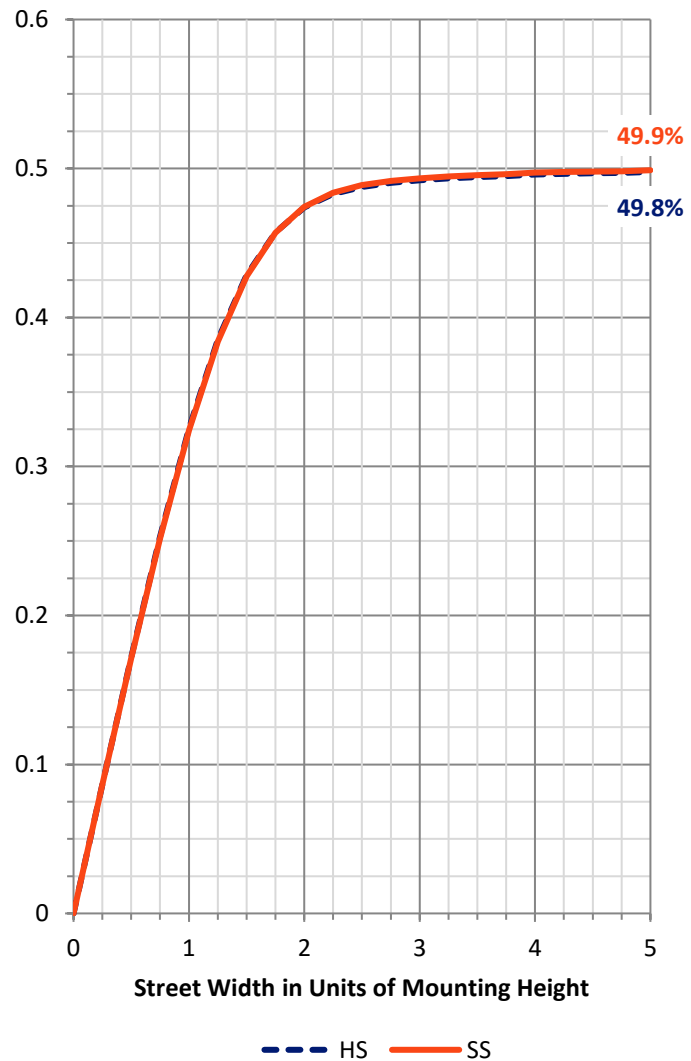
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17378.0	0.0	17378.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17378.0	0.0	17378.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34756.0	0.0	34756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.7	1.0
10°-20°	1202.9	3.5
20°-30°	2324.3	6.7
30°-40°	3924.6	11.3
40°-50°	6224.1	17.9
50°-60°	8333.3	24.0
60°-70°	7930.6	22.8
70°-80°	4138.3	11.9
80°-90°	313.3	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°	34756.0	100.0
0°-180°	34756.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956258

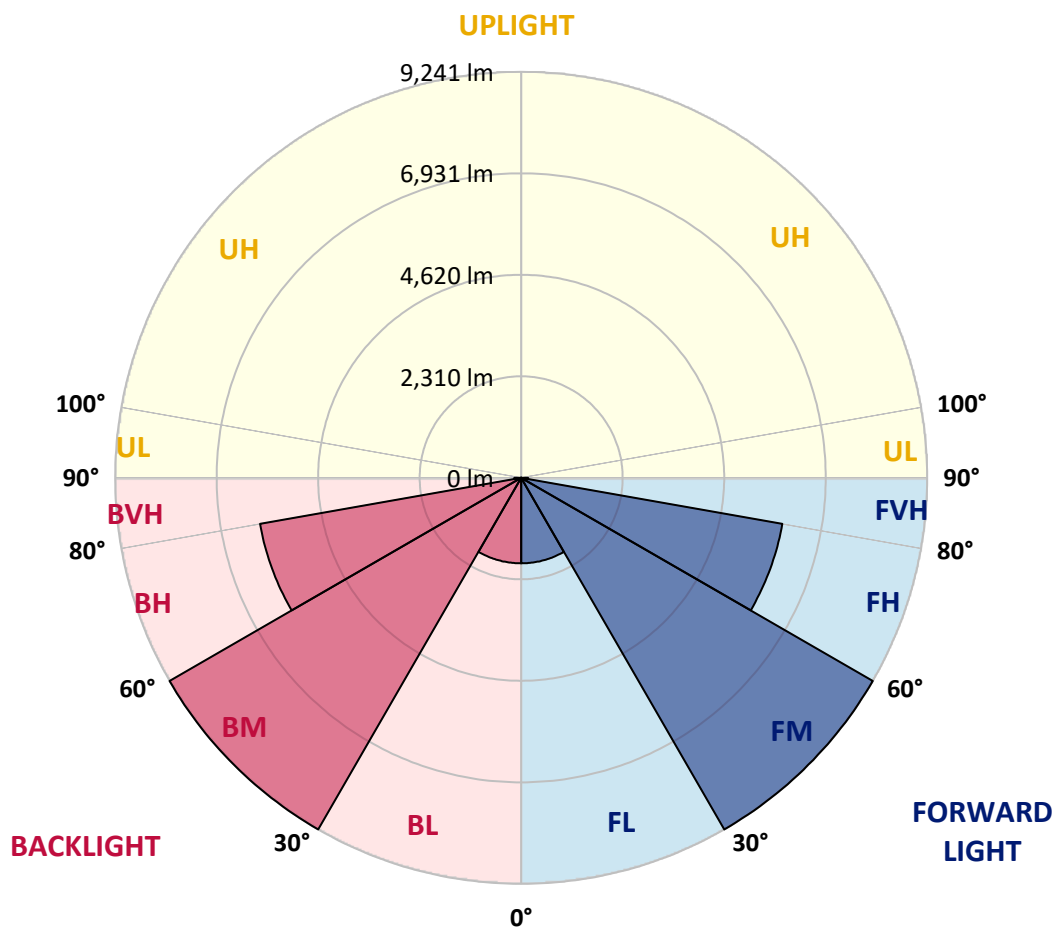
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1945.9	5.6			
FM	(30°-60°)	9241.0	26.6			
FH	(60°-80°)	6034.5	17.4			G3/7500
FVH	(80°-90°)	156.6	0.5			G2/225
BL	(0°-30°)	1945.9	5.6	B3/2500		
BM	(30°-60°)	9241.0	26.6	B5		
BH	(60°-80°)	6034.5	17.4	B5		G5
BVH	(80°-90°)	156.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



REPORT NUMBER: P956258

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3723.0	3723.0	3723.0	3723.0	3723.0	3723.0	3723.0	3723.0	3723.0	3723.0	3723.0
2.5°	3723.0	3719.4	3723.0	3726.5	3724.8	3724.8	3733.6	3739.0	3749.6	3747.8	3746.1
5°	3698.1	3696.4	3710.6	3726.5	3739.0	3760.3	3786.9	3806.4	3831.2	3836.6	3836.6
7.5°	3685.7	3680.4	3705.2	3733.6	3772.7	3825.9	3877.4	3930.6	3973.2	3987.4	3990.9
10°	3694.6	3696.4	3730.1	3783.3	3845.4	3920.0	3992.7	4083.2	4143.6	4157.8	4171.9
12.5°	3735.4	3731.9	3788.6	3873.8	3959.0	4053.1	4138.2	4237.6	4303.3	4337.0	4351.2
15°	3809.9	3802.8	3882.7	4008.7	4132.9	4242.9	4312.1	4406.2	4482.5	4525.1	4541.1
17.5°	3898.7	3902.2	4006.9	4170.2	4333.4	4457.7	4523.3	4571.2	4629.8	4667.0	4684.8
20°	4054.8	4061.9	4179.0	4372.5	4558.8	4700.8	4754.0	4736.3	4752.2	4780.6	4801.9
22.5°	4264.2	4267.8	4399.1	4608.5	4803.7	4959.8	4995.3	4922.6	4878.2	4897.7	4911.9
25°	4507.3	4530.4	4661.7	4876.4	5077.0	5226.0	5242.0	5132.0	5022.0	5027.3	5036.2
27.5°	4803.7	4825.0	4958.1	5171.0	5375.1	5504.6	5502.9	5355.6	5194.1	5153.3	5165.7
30°	5124.9	5147.9	5284.6	5504.6	5694.5	5808.1	5783.2	5607.6	5376.9	5300.6	5309.4
32.5°	5506.4	5520.6	5659.0	5879.1	6054.7	6145.2	6093.8	5877.3	5589.8	5502.9	5524.2
35°	5967.8	5989.1	6092.0	6299.6	6454.0	6528.5	6441.6	6186.1	5863.1	5765.5	5779.7
37.5°	6494.8	6480.6	6597.7	6782.3	6910.1	6956.2	6837.3	6533.9	6175.4	6060.1	6081.4
40°	7044.9	7037.8	7165.6	7343.1	7412.3	7440.7	7265.0	6933.1	6535.6	6411.4	6452.2
42.5°	7543.6	7538.3	7710.4	7907.4	7990.8	7958.8	7737.0	7357.3	6952.7	6810.7	6846.2
45°	7942.9	7935.8	8146.9	8423.8	8587.0	8533.8	8235.7	7825.7	7375.0	7227.7	7261.4
47.5°	8249.8	8253.4	8480.5	8823.0	9108.7	9128.2	8744.9	8303.1	7839.9	7673.1	7722.8
50°	8471.7	8482.3	8725.4	9105.2	9495.6	9667.7	9264.9	8792.9	8320.8	8132.7	8189.5
52.5°	8526.7	8546.2	8839.0	9284.4	9744.0	10072.3	9793.7	9263.1	8776.9	8597.7	8643.8
55°	8233.9	8272.9	8643.8	9270.2	9896.6	10338.5	10258.6	9740.5	9236.5	9051.9	9103.4
57.5°	7561.3	7616.3	8049.3	8867.4	9862.9	10521.3	10618.9	10198.3	9696.1	9518.6	9559.5
60°	6619.0	6684.7	7099.9	7992.5	9387.3	10588.7	10872.6	10643.7	10118.4	9946.3	9983.6
62.5°	5197.6	5282.8	5779.7	6826.7	8382.9	10274.6	11089.1	11046.5	10498.2	10283.5	10308.3
65°	3334.4	3424.9	3948.4	5185.2	7043.2	9312.8	11156.5	11438.7	10899.2	10599.3	10636.6
67.5°	2010.6	2051.4	2310.5	3142.7	5147.9	7863.0	10585.1	11873.5	11367.7	10995.1	11023.5
70°	1286.5	1309.6	1464.0	1845.5	2910.2	5737.1	9169.1	11955.1	11935.6	11401.4	11397.9
72.5°	873.1	880.2	921.0	1093.1	1646.8	3259.8	6762.8	10822.9	12290.5	11924.9	11868.1
75°	638.8	677.9	743.5	773.7	935.2	1629.0	3875.6	7603.9	10358.0	10517.7	10130.9
77.5°	475.6	477.4	567.9	603.3	667.2	867.8	1639.7	4244.7	6430.9	6752.1	6022.8
80°	402.8	381.5	379.8	486.2	502.2	541.2	732.9	1465.8	2303.4	1396.6	1055.9
82.5°	335.4	312.3	282.2	379.8	342.5	331.8	317.6	596.2	732.9	360.2	307.0
85°	234.2	223.6	212.9	248.4	195.2	166.8	152.6	278.6	308.8	152.6	134.9
87.5°	101.1	104.7	106.5	110.0	81.6	58.6	58.6	78.1	78.1	60.3	44.4
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)