

# SANILED LT-325w TUBE

## Test Report

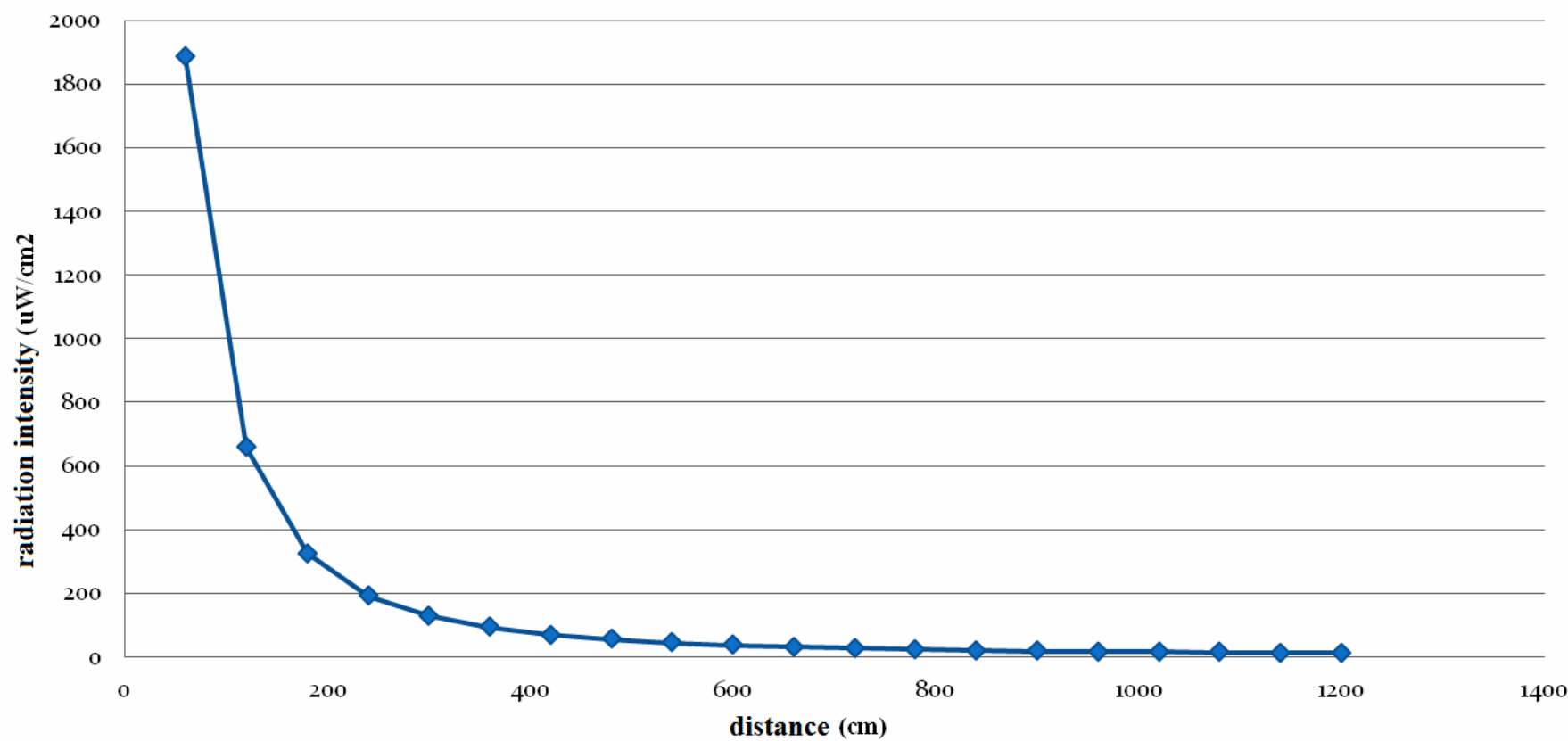


# Test Data

NO.	Distance (cm)	UVC intensity (uW/cm <sup>2</sup> )	NO.	Distance (cm)	UVC intensity (uW/cm <sup>2</sup> )
1	60	1885.2	11	660	31.8
2	120	658.1	12	720	27.1
3	180	324.5	13	780	23.5
4	240	191.8	14	840	20.7
5	300	128.1	15	900	18.5
6	360	93.5	16	960	16.4
7	420	69.4	17	1020	15.1
8	480	54.8	18	1080	13.7
9	540	44.8	19	1140	12.3
10	600	37.3	20	1200	11.3

# Radiation intensity curve

Distance and radiation intensity



# Sterilization Time

## FOR COVID-19

Tube Power (W)	Area (ft2)	Area (m2)	Sterilization time (min)
325W	172 ft2	16 m2	3 min
325W	387 ft2	36 m2	5 min
325W	688 ft2	64 m2	10 min
325W	1208 ft2	122 m2	15 min

## References & facts:

- This test was based on Miyazaki University research paper of Nikkiso UVC LED which was published in the British scientific journal **"Emerging Microbes & Infections"** on July 31, 2020.
- The paper mentioned a test on Nikkiso UVC LED irradiation that caused a significant reduction in the infectivity of the new Corona virus.
- The result indicates that the infectivity of the new Coronavirus was reduced with 30 seconds of exposing time, it was also confirmed that 10 seconds of exposing time can reach 99.9% of sterilization rate and 1 second is 87.4%.



# **THANK YOU**

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