

# Light Intensity Distribution Test

## Product Information

Product Name: Jupiter 30W-3000K

Manufactory: GW

Operator: hua

Test Date: 2021-04-26

## Test Condition

Temperature: 30.9 Cels.

Humidity: 60 %

Start Angle: -180 Deg.

End Angle: 180 Deg.

Step Angle: 1 Deg.

Plane Number.: 1

Test Distance: 3 m

## Electric Param

Voltage: 240.6 V

Current: 0.124 A

Power: 28.6 W

PF: 0.955

## Photometric Param

Maximum Cand. (I<sub>vm</sub>): 942.94 cd

Max. Cand. Angle(Deg): C= 0.0 gama= 1.0

Center Cd(I<sub>vo</sub>): 942.48 cd

Beam Angle(50%) β : 111.6 deg.

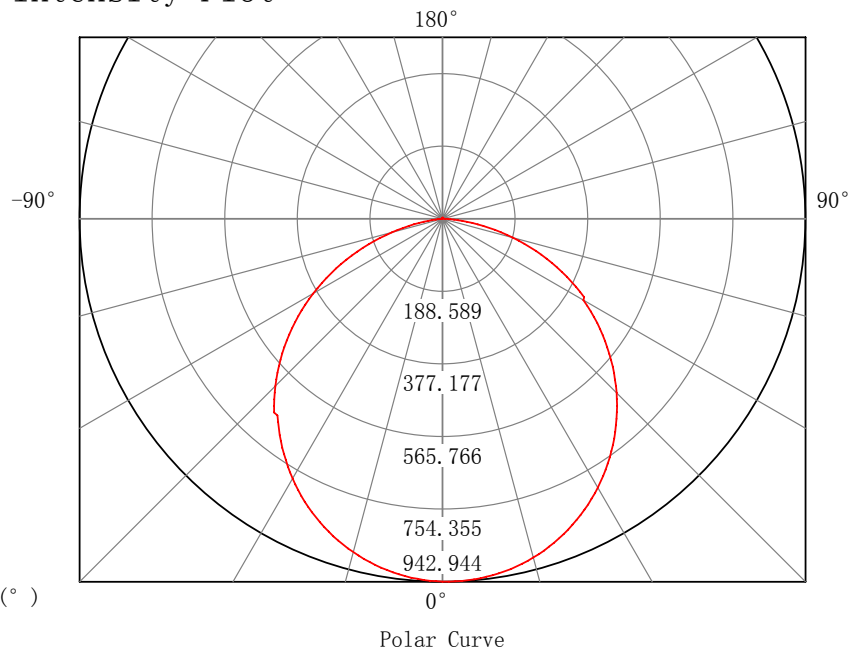
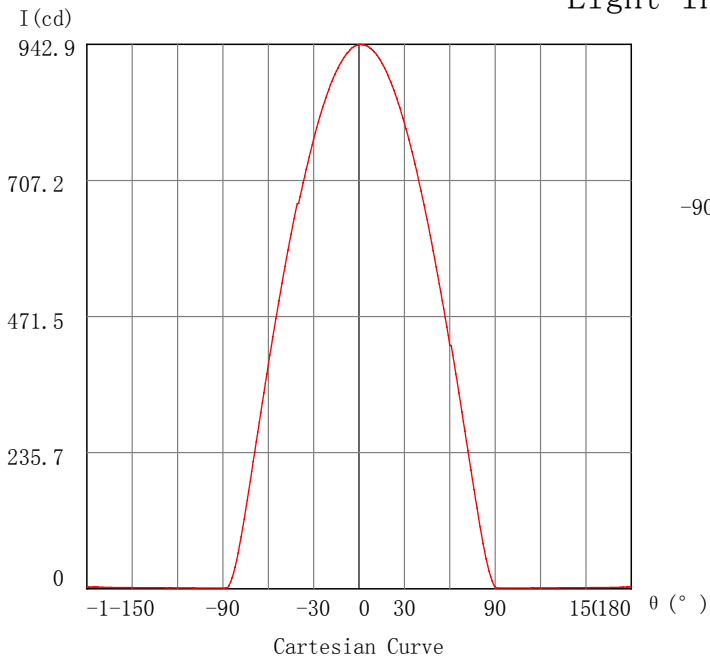
Lumens: 2651.951 lm

Lumen-Effic: 92.726 lm/W

90 Deg. Lumens: 1437.346 lmW

120 Deg. Lumens: 2108.574 lm

## Light Intensity Plot



C0-180 ————

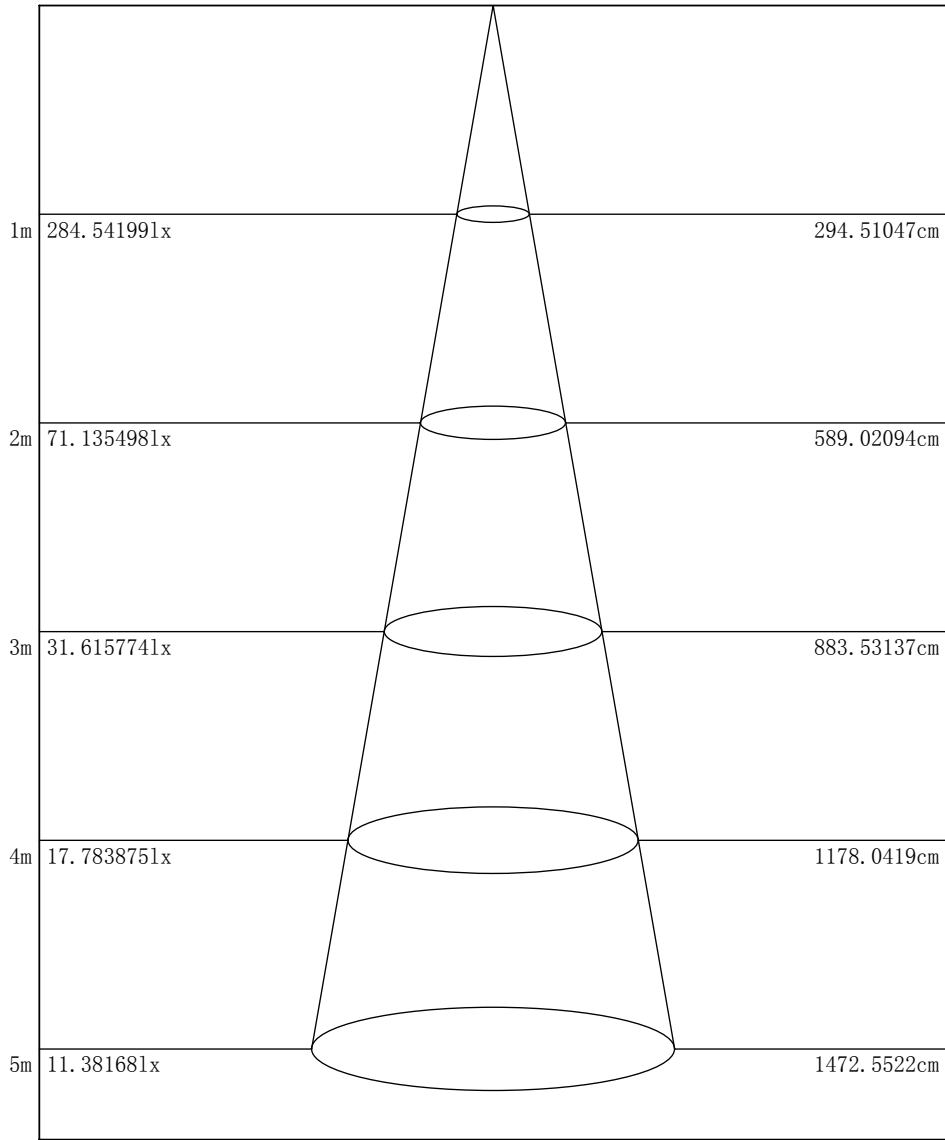
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# Lux-Distance Diagram

Luminous Flux: 2651.951 lm

Beam Luminous Flux: 1938.375 lm



Height Aver. Lux

Beam Ang. =111.6(° )

Beam Dia.

10%Beam Angle= 158.6(° )

50%Beam Angle= 111.6(° )

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Verifier: \_\_\_\_\_

## Lighting Intensity Data Table

| Ang.   | Cand. | Ang.   | Cand. | Ang.   | Cand. | Ang.  | Cand.  | Ang.  | Cand.  | Ang.  | Cand.  |
|--------|-------|--------|-------|--------|-------|-------|--------|-------|--------|-------|--------|
| -180.0 | 3.14  | -146.0 | 2.00  | -112.0 | 1.40  | -78.0 | 89.94  | -44.0 | 627.68 | -10.0 | 920.33 |
| -179.0 | 3.00  | -145.0 | 2.01  | -111.0 | 1.41  | -77.0 | 105.04 | -43.0 | 641.26 | -9.0  | 923.89 |
| -178.0 | 2.75  | -144.0 | 1.98  | -110.0 | 1.38  | -76.0 | 120.59 | -42.0 | 654.06 | -8.0  | 927.65 |
| -177.0 | 2.70  | -143.0 | 1.93  | -109.0 | 1.35  | -75.0 | 136.63 | -41.0 | 667.00 | -7.0  | 930.37 |
| -176.0 | 2.88  | -142.0 | 1.89  | -108.0 | 1.32  | -74.0 | 152.90 | -40.0 | 667.36 | -6.0  | 933.21 |
| -175.0 | 3.12  | -141.0 | 1.88  | -107.0 | 1.30  | -73.0 | 169.61 | -39.0 | 679.02 | -5.0  | 936.21 |
| -174.0 | 2.98  | -140.0 | 1.87  | -106.0 | 1.30  | -72.0 | 186.16 | -38.0 | 691.15 | -4.0  | 937.65 |
| -173.0 | 2.86  | -139.0 | 1.88  | -105.0 | 1.31  | -71.0 | 203.15 | -37.0 | 703.20 | -3.0  | 939.74 |
| -172.0 | 2.76  | -138.0 | 1.88  | -104.0 | 1.31  | -70.0 | 220.16 | -36.0 | 714.47 | -2.0  | 941.09 |
| -171.0 | 2.65  | -137.0 | 1.84  | -103.0 | 1.30  | -69.0 | 237.21 | -35.0 | 726.24 | -1.0  | 941.65 |
| -170.0 | 2.56  | -136.0 | 1.80  | -102.0 | 1.27  | -68.0 | 254.33 | -34.0 | 737.12 | 0.0   | 942.48 |
| -169.0 | 2.50  | -135.0 | 1.76  | -101.0 | 1.24  | -67.0 | 271.39 | -33.0 | 747.75 | 1.0   | 942.94 |
| -168.0 | 2.46  | -134.0 | 1.75  | -100.0 | 1.24  | -66.0 | 288.28 | -32.0 | 758.81 | 2.0   | 942.28 |
| -167.0 | 2.42  | -133.0 | 1.75  | -99.0  | 1.24  | -65.0 | 305.36 | -31.0 | 768.96 | 3.0   | 942.28 |
| -166.0 | 2.41  | -132.0 | 1.76  | -98.0  | 1.25  | -64.0 | 322.02 | -30.0 | 779.10 | 4.0   | 941.07 |
| -165.0 | 2.40  | -131.0 | 1.75  | -97.0  | 1.26  | -63.0 | 338.89 | -29.0 | 789.40 | 5.0   | 940.43 |
| -164.0 | 2.34  | -130.0 | 1.71  | -96.0  | 1.25  | -62.0 | 355.53 | -28.0 | 798.74 | 6.0   | 939.01 |
| -163.0 | 2.27  | -129.0 | 1.66  | -95.0  | 1.22  | -61.0 | 371.96 | -27.0 | 808.45 | 7.0   | 936.81 |
| -162.0 | 2.22  | -128.0 | 1.63  | -94.0  | 1.19  | -60.0 | 388.44 | -26.0 | 817.38 | 8.0   | 935.05 |
| -161.0 | 2.20  | -127.0 | 1.62  | -93.0  | 1.18  | -59.0 | 404.64 | -25.0 | 826.08 | 9.0   | 932.52 |
| -160.0 | 2.21  | -126.0 | 1.63  | -92.0  | 1.18  | -58.0 | 420.69 | -24.0 | 834.74 | 10.0  | 929.67 |
| -159.0 | 2.21  | -125.0 | 1.64  | -91.0  | 1.20  | -57.0 | 436.96 | -23.0 | 842.35 | 11.0  | 927.19 |
| -158.0 | 2.20  | -124.0 | 1.61  | -90.0  | 1.21  | -56.0 | 452.54 | -22.0 | 850.37 | 12.0  | 923.53 |
| -157.0 | 2.15  | -123.0 | 1.58  | -89.0  | 1.21  | -55.0 | 468.07 | -21.0 | 858.12 | 13.0  | 919.62 |
| -156.0 | 2.12  | -122.0 | 1.53  | -88.0  | 1.18  | -54.0 | 483.73 | -20.0 | 864.85 | 14.0  | 915.88 |
| -155.0 | 2.08  | -121.0 | 1.51  | -87.0  | 1.82  | -53.0 | 498.96 | -19.0 | 872.69 | 15.0  | 910.72 |
| -154.0 | 2.08  | -120.0 | 1.50  | -86.0  | 5.65  | -52.0 | 514.05 | -18.0 | 878.70 | 16.0  | 906.59 |
| -153.0 | 2.09  | -119.0 | 1.51  | -85.0  | 11.55 | -51.0 | 529.17 | -17.0 | 884.87 | 17.0  | 901.39 |
| -152.0 | 2.11  | -118.0 | 1.51  | -84.0  | 18.91 | -50.0 | 543.67 | -16.0 | 891.17 | 18.0  | 895.48 |
| -151.0 | 2.08  | -117.0 | 1.49  | -83.0  | 27.55 | -49.0 | 558.25 | -15.0 | 896.57 | 19.0  | 890.10 |
| -150.0 | 2.04  | -116.0 | 1.45  | -82.0  | 37.44 | -48.0 | 572.56 | -14.0 | 901.81 | 20.0  | 883.63 |
| -149.0 | 2.00  | -115.0 | 1.42  | -81.0  | 49.12 | -47.0 | 586.69 | -13.0 | 907.55 | 21.0  | 877.49 |
| -148.0 | 1.98  | -114.0 | 1.39  | -80.0  | 61.80 | -46.0 | 600.67 | -12.0 | 911.47 | 22.0  | 870.88 |
| -147.0 | 1.98  | -113.0 | 1.39  | -79.0  | 75.58 | -45.0 | 614.13 | -11.0 | 916.26 | 23.0  | 863.54 |

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Verifier: \_\_\_\_\_

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 Lighting Intensity Data Table---Continue

| Ang. | Cand.  | Ang. | Cand.  | Ang.  | Cand.  | Ang.  | Cand. | Ang.  | Cand. | Ang.  | Cand. |
|------|--------|------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| 24.0 | 856.31 | 51.0 | 557.50 | 78.0  | 139.18 | 105.0 | 1.22  | 132.0 | 1.63  | 159.0 | 2.11  |
| 25.0 | 848.64 | 52.0 | 542.79 | 79.0  | 123.39 | 106.0 | 1.23  | 133.0 | 1.66  | 160.0 | 2.16  |
| 26.0 | 840.55 | 53.0 | 528.56 | 80.0  | 107.71 | 107.0 | 1.25  | 134.0 | 1.71  | 161.0 | 2.19  |
| 27.0 | 832.92 | 54.0 | 514.00 | 81.0  | 92.83  | 108.0 | 1.27  | 135.0 | 1.75  | 162.0 | 2.18  |
| 28.0 | 823.88 | 55.0 | 499.17 | 82.0  | 78.24  | 109.0 | 1.31  | 136.0 | 1.76  | 163.0 | 2.16  |
| 29.0 | 815.54 | 56.0 | 484.62 | 83.0  | 64.62  | 110.0 | 1.31  | 137.0 | 1.74  | 164.0 | 2.16  |
| 30.0 | 806.57 | 57.0 | 469.27 | 84.0  | 51.69  | 111.0 | 1.30  | 138.0 | 1.75  | 165.0 | 2.19  |
| 31.0 | 796.84 | 58.0 | 453.55 | 85.0  | 40.19  | 112.0 | 1.29  | 139.0 | 1.78  | 166.0 | 2.26  |
| 32.0 | 787.60 | 59.0 | 438.30 | 86.0  | 29.94  | 113.0 | 1.31  | 140.0 | 1.82  | 167.0 | 2.33  |
| 33.0 | 777.72 | 60.0 | 422.24 | 87.0  | 21.03  | 114.0 | 1.34  | 141.0 | 1.87  | 168.0 | 2.37  |
| 34.0 | 767.36 | 61.0 | 420.50 | 88.0  | 13.29  | 115.0 | 1.38  | 142.0 | 1.88  | 169.0 | 2.39  |
| 35.0 | 757.15 | 62.0 | 404.63 | 89.0  | 7.12   | 116.0 | 1.40  | 143.0 | 1.87  | 170.0 | 2.41  |
| 36.0 | 746.06 | 63.0 | 388.51 | 90.0  | 2.68   | 117.0 | 1.39  | 144.0 | 1.87  | 171.0 | 2.43  |
| 37.0 | 735.27 | 64.0 | 372.26 | 91.0  | 1.12   | 118.0 | 1.39  | 145.0 | 1.88  | 172.0 | 2.49  |
| 38.0 | 724.23 | 65.0 | 356.14 | 92.0  | 1.11   | 119.0 | 1.39  | 146.0 | 1.92  | 173.0 | 2.59  |
| 39.0 | 712.34 | 66.0 | 339.36 | 93.0  | 1.11   | 120.0 | 1.42  | 147.0 | 1.96  | 174.0 | 2.73  |
| 40.0 | 700.56 | 67.0 | 322.86 | 94.0  | 1.14   | 121.0 | 1.46  | 148.0 | 1.99  | 175.0 | 2.87  |
| 41.0 | 688.80 | 68.0 | 306.36 | 95.0  | 1.17   | 122.0 | 1.49  | 149.0 | 1.98  | 176.0 | 2.95  |
| 42.0 | 676.64 | 69.0 | 289.36 | 96.0  | 1.18   | 123.0 | 1.51  | 150.0 | 1.97  | 177.0 | 2.97  |
| 43.0 | 664.83 | 70.0 | 272.64 | 97.0  | 1.17   | 124.0 | 1.50  | 151.0 | 1.97  | 178.0 | 3.11  |
| 44.0 | 651.71 | 71.0 | 255.91 | 98.0  | 1.15   | 125.0 | 1.50  | 152.0 | 2.00  | 179.0 | 3.20  |
| 45.0 | 639.12 | 72.0 | 238.77 | 99.0  | 1.16   | 126.0 | 1.52  | 153.0 | 2.04  | 180.0 | 3.16  |
| 46.0 | 626.41 | 73.0 | 222.15 | 100.0 | 1.17   | 127.0 | 1.56  | 154.0 | 2.09  |       |       |
| 47.0 | 612.16 | 74.0 | 205.16 | 101.0 | 1.20   | 128.0 | 1.60  | 155.0 | 2.09  |       |       |
| 48.0 | 599.48 | 75.0 | 188.49 | 102.0 | 1.23   | 129.0 | 1.63  | 156.0 | 2.07  |       |       |
| 49.0 | 585.54 | 76.0 | 171.85 | 103.0 | 1.24   | 130.0 | 1.63  | 157.0 | 2.07  |       |       |
| 50.0 | 571.30 | 77.0 | 155.45 | 104.0 | 1.23   | 131.0 | 1.62  | 158.0 | 2.08  |       |       |

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Verifier: \_\_\_\_\_