HAVIT COMMERCIAL

# Light Intensity Distribution Test

## Product Information

Product Name: HCP-2381002

Manufactory: GW

Operator: hua

Test Date: 2026-07-30

## Test Condition

Temperature: 26.1 Cels.

Humidity: 60 %

Start Angle: -180 Deg.

End Angle: 180 Deg.

Step Angle: 1 Deg.

Plane Number.: 1

Test Distance: 3.05 m

## Electric Param

Voltage: 240.2 V

Current: 0.161 A

Power: 37.59 W

PF: 0.971

## Photometric Param

Maximum Cand.(Ivm): 1312.75 cd

Max.Cand.Angle(Deg): C= 0.0 gama= 3.0

Center Cd(Ivo): 1312.03 cd

Beam Angle(50%) β: 120.2 deg.

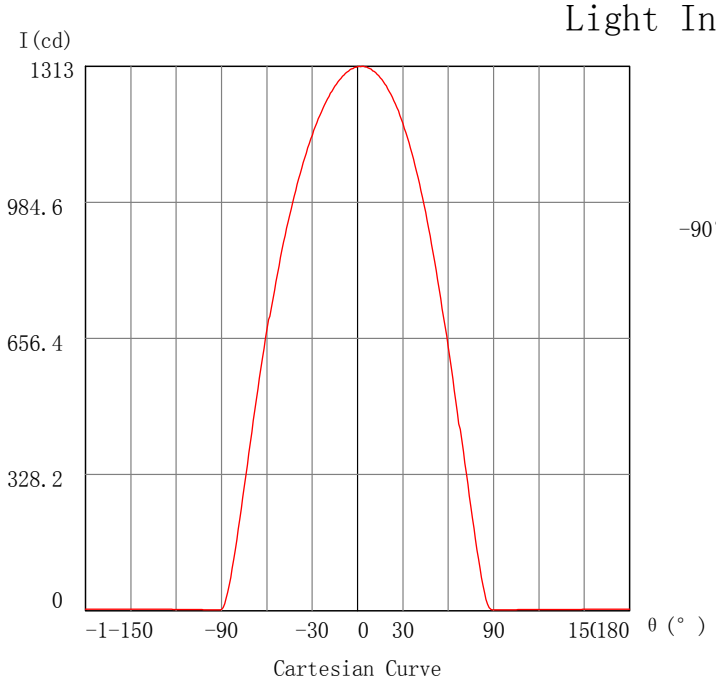
Lumens: 4049.165 lm

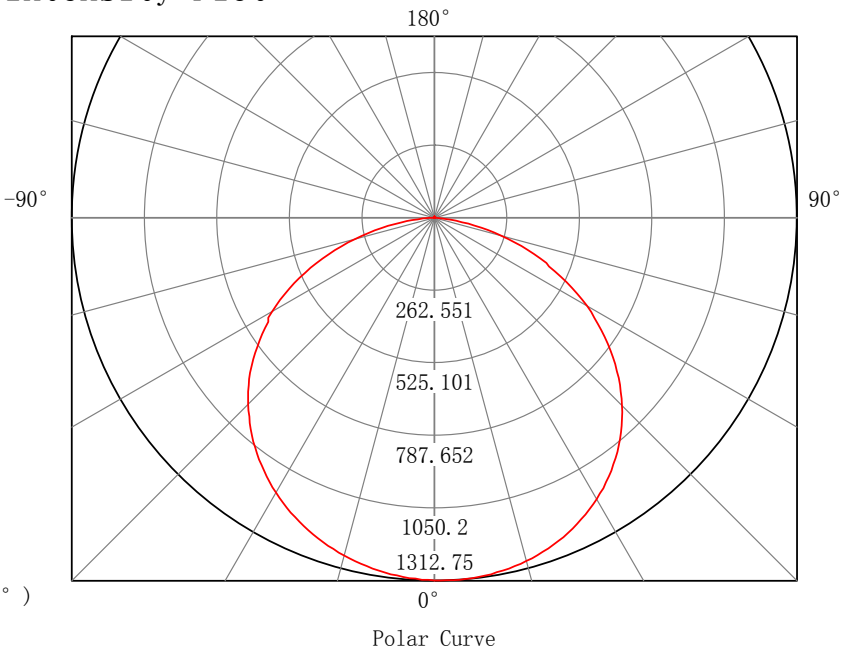
Lumen-Effic: 107.719 lm/W

90 Deg.Lumens: 2101.956 lmW

120 Deg.Lumens: 3152.762 lm

## Light Intensity Plot




C0-180

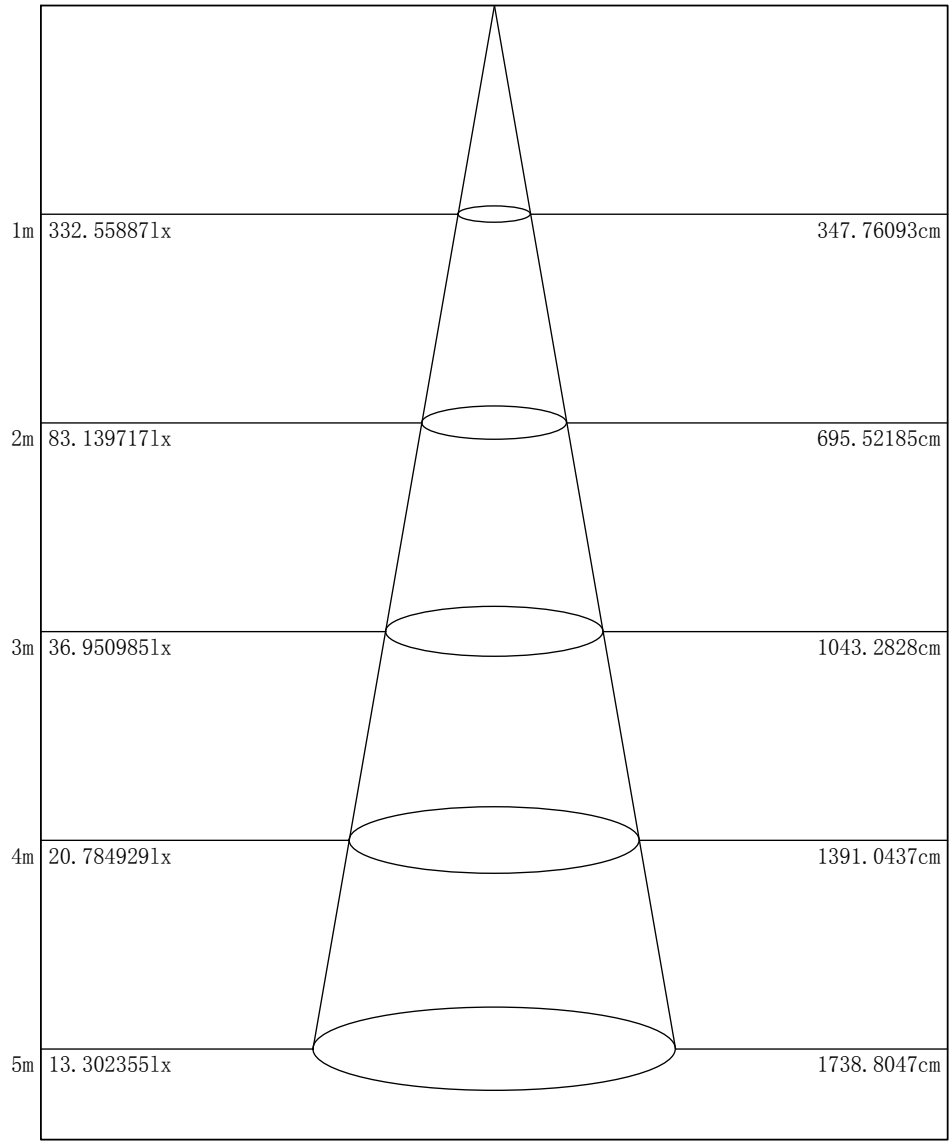
Tabulator: _____

Verifier: _____

HAVIT COMMERCIAL

# Lux-Distance Diagram

Luminous Flux: 3158.784 lm




Height Aver.Lux Beam Ang.=120.2(° ) Beam Dia.

10%Beam Angle= 161.4(° ) 50%Beam Angle= 120.2(° )

Tabulator: _____ Verifier: _____

HAVIT COMMERCIAL

# Lighting Intensity Data Table

| Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. | Ang. | Cand. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| -180.0 | 3.99 | -118.0 | 3.09 | -56.0 | 752.04 | 6.0 | 1310.69 | 68.0 | 437.47 | 130.0 | 2.90 |
| -178.0 | 3.94 | -116.0 | 2.94 | -54.0 | 793.19 | 8.0 | 1307.20 | 70.0 | 383.17 | 132.0 | 2.98 |
| -176.0 | 3.95 | -114.0 | 2.85 | -52.0 | 831.97 | 10.0 | 1302.11 | 72.0 | 331.55 | 134.0 | 2.95 |
| -174.0 | 4.07 | -112.0 | 2.81 | -50.0 | 871.33 | 12.0 | 1296.93 | 74.0 | 277.03 | 136.0 | 2.95 |
| -172.0 | 4.01 | -110.0 | 2.77 | -48.0 | 905.50 | 14.0 | 1290.30 | 76.0 | 222.71 | 138.0 | 3.05 |
| -170.0 | 3.98 | -108.0 | 2.63 | -46.0 | 937.30 | 16.0 | 1281.07 | 78.0 | 173.27 | 140.0 | 3.01 |
| -168.0 | 4.06 | -106.0 | 2.58 | -44.0 | 969.29 | 18.0 | 1270.17 | 80.0 | 124.54 | 142.0 | 3.04 |
| -166.0 | 4.00 | -104.0 | 2.55 | -42.0 | 999.41 | 20.0 | 1258.73 | 82.0 | 79.75 | 144.0 | 3.15 |
| -164.0 | 3.99 | -102.0 | 2.45 | -40.0 | 1027.58 | 22.0 | 1245.86 | 84.0 | 43.01 | 146.0 | 3.17 |
| -162.0 | 4.05 | -100.0 | 2.27 | -38.0 | 1054.39 | 24.0 | 1230.28 | 86.0 | 15.98 | 148.0 | 3.18 |
| -160.0 | 3.97 | -98.0 | 2.23 | -36.0 | 1080.36 | 26.0 | 1212.79 | 88.0 | 3.60 | 150.0 | 3.31 |
| -158.0 | 3.94 | -96.0 | 2.22 | -34.0 | 1103.84 | 28.0 | 1194.84 | 90.0 | 2.04 | 152.0 | 3.34 |
| -156.0 | 4.01 | -94.0 | 2.10 | -32.0 | 1126.24 | 30.0 | 1174.65 | 92.0 | 2.45 | 154.0 | 3.32 |
| -154.0 | 3.92 | -92.0 | 2.06 | -30.0 | 1147.09 | 32.0 | 1153.16 | 94.0 | 2.41 | 156.0 | 3.43 |
| -152.0 | 3.85 | -90.0 | 3.19 | -28.0 | 1167.78 | 34.0 | 1128.09 | 96.0 | 2.21 | 158.0 | 3.48 |
| -150.0 | 3.90 | -88.0 | 16.61 | -26.0 | 1186.31 | 36.0 | 1102.36 | 98.0 | 1.94 | 160.0 | 3.44 |
| -148.0 | 3.80 | -86.0 | 43.83 | -24.0 | 1202.58 | 38.0 | 1075.03 | 100.0 | 1.95 | 162.0 | 3.57 |
| -146.0 | 3.71 | -84.0 | 80.46 | -22.0 | 1218.50 | 40.0 | 1044.80 | 102.0 | 1.98 | 164.0 | 3.71 |
| -144.0 | 3.77 | -82.0 | 123.49 | -20.0 | 1233.76 | 42.0 | 1012.41 | 104.0 | 2.20 | 166.0 | 3.69 |
| -142.0 | 3.66 | -80.0 | 170.79 | -18.0 | 1247.93 | 44.0 | 977.85 | 106.0 | 2.51 | 168.0 | 3.77 |
| -140.0 | 3.61 | -78.0 | 220.81 | -16.0 | 1259.51 | 46.0 | 941.96 | 108.0 | 2.71 | 170.0 | 3.86 |
| -138.0 | 3.59 | -76.0 | 272.66 | -14.0 | 1269.35 | 48.0 | 903.25 | 110.0 | 2.88 | 172.0 | 3.80 |
| -136.0 | 3.53 | -74.0 | 325.74 | -12.0 | 1280.09 | 50.0 | 862.34 | 112.0 | 2.99 | 174.0 | 3.86 |
| -134.0 | 3.43 | -72.0 | 378.79 | -10.0 | 1288.66 | 52.0 | 819.56 | 114.0 | 2.97 | 176.0 | 3.96 |
| -132.0 | 3.46 | -70.0 | 431.45 | -8.0 | 1295.43 | 54.0 | 775.42 | 116.0 | 2.95 | 178.0 | 3.90 |
| -130.0 | 3.46 | -68.0 | 483.99 | -6.0 | 1300.90 | 56.0 | 728.61 | 118.0 | 3.03 | 180.0 | 3.92 |
| -128.0 | 3.29 | -66.0 | 535.16 | -4.0 | 1306.60 | 58.0 | 683.43 | 120.0 | 2.99 | | |
| -126.0 | 3.27 | -64.0 | 584.48 | -2.0 | 1310.24 | 60.0 | 637.23 | 122.0 | 2.97 | | |
| -124.0 | 3.29 | -62.0 | 632.38 | 0.0 | 1312.03 | 62.0 | 585.46 | 124.0 | 3.01 | | |
| -122.0 | 3.15 | -60.0 | 679.34 | 2.0 | 1311.83 | 64.0 | 531.89 | 126.0 | 2.99 | | |
| -120.0 | 3.07 | -58.0 | 709.89 | 4.0 | 1312.33 | 66.0 | 476.92 | 128.0 | 2.87 | | |

Tabulator: _____ Verifier: _____