**HAVIT LIGHTING**
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Tel：02 9666 8881
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Report No.: 001 Test Time: 2020-03-23 10:00

# Luminaire Property

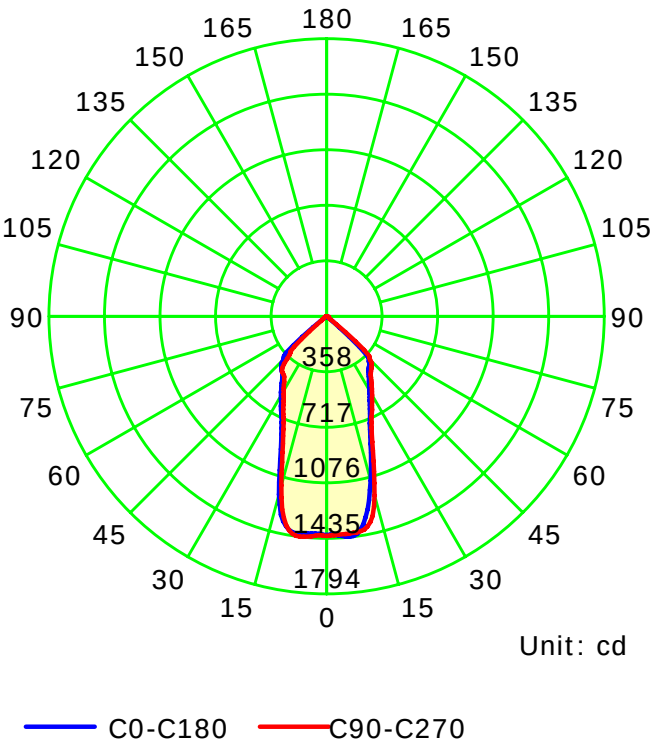
Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212150-N
Lamp Catalog: COB
Luminous Length (mm): -105
Luminous Width (mm): -105
Luminous Height (mm): 0
Voltage: 230.7 V
Current: 0.066 A
Power: 15.36 W
Power Factor: 0.946

# Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 1385.3 lm
Measurement Flux: 1385.3 lm
Efficiency: 100%
Downward Ratio: 100%
Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 99.3, 99.3, 99.3, 99.3
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 47.1, 46.7, 47.0, 47.0
Luminaire Efficacy Rating (LER): 90.24
Central Intensity: 1413.7 cd
Max. Intensity: 1435.81 cd
Pos of Max. Intensity: H300 V7
S/MH(C0/C180): 0.72
S/MH(C90/C270): 0.72

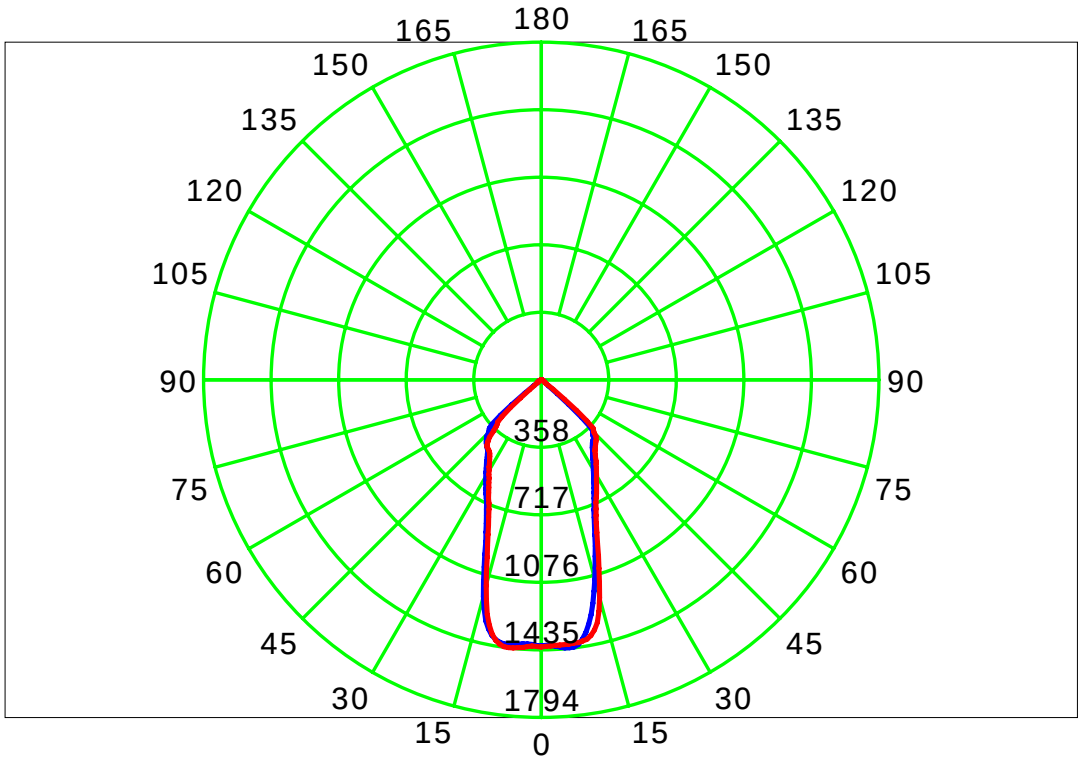
Picture Of Luminaire

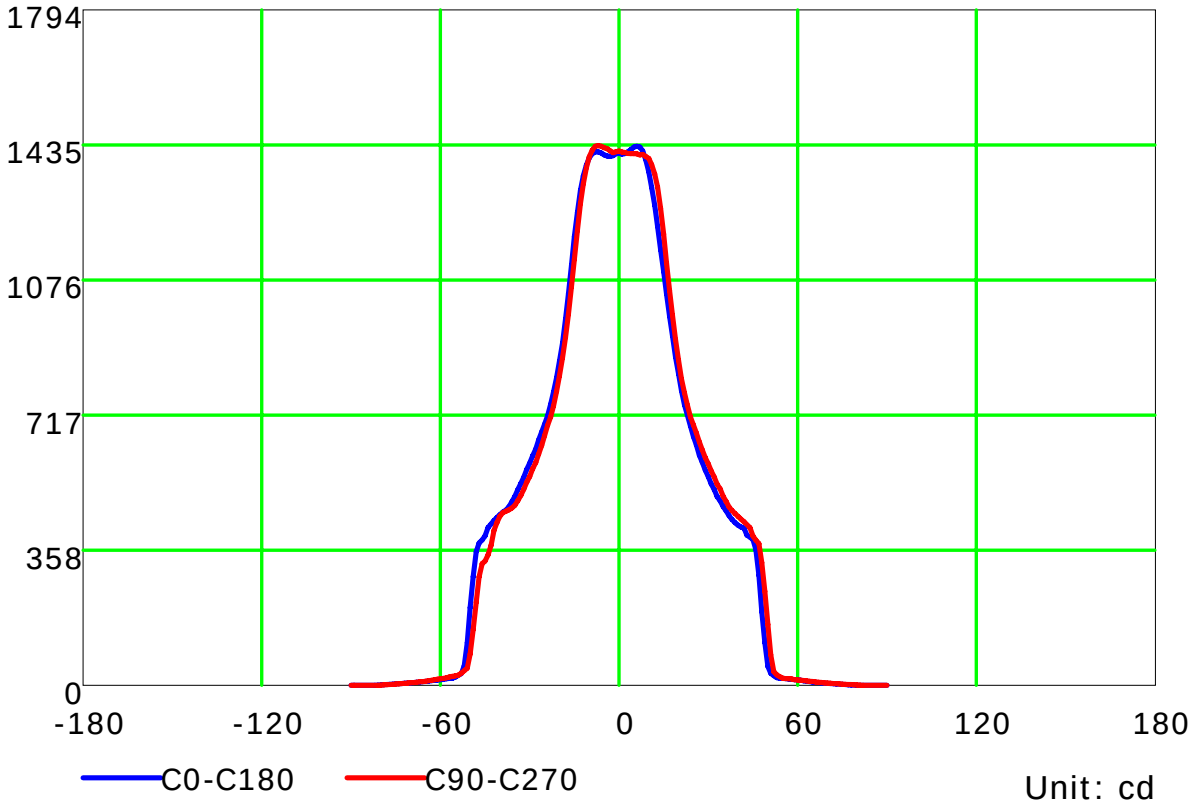
Luminous Intensity Distribution Curve




C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab: NINGBO LED LIGHTING
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 6.583 m
Temperature: 25°C
Humidity:
Operator: DING LI
Inspector:

# Luminous Intensity Distribution Curve

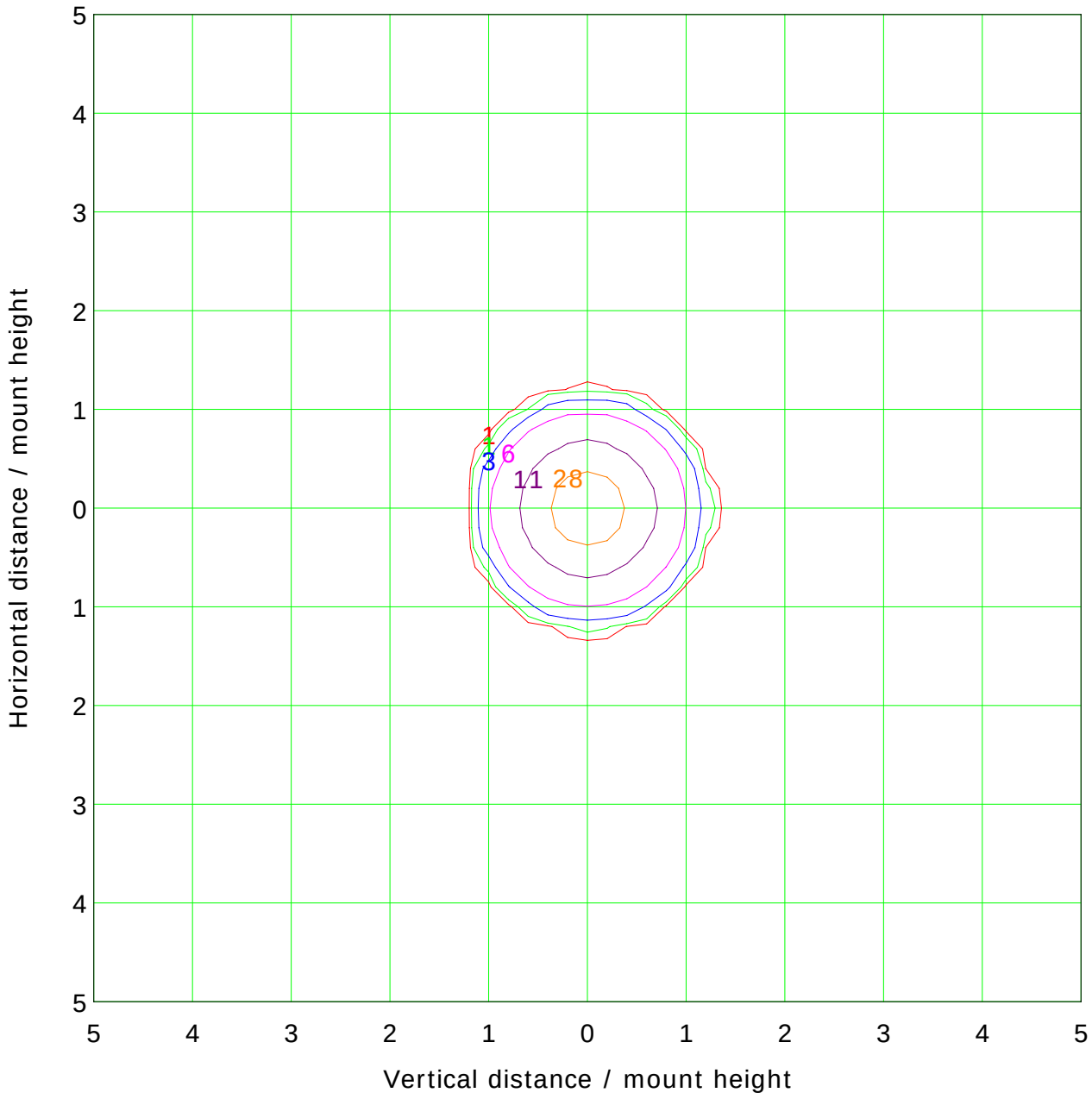



C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
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Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

# IsoLux Plot



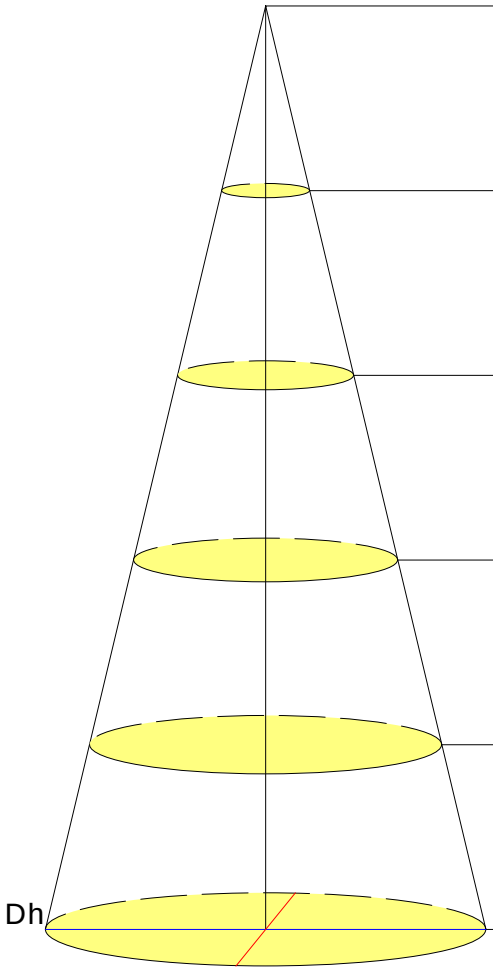

Mounting Height: 5.0m  Max Lux(100%): 56.8 lx

( 1%): 0.6 lx
( 2%): 1.1 lx
( 5%): 2.8 lx
( 10%): 5.7 lx
( 20%): 11.4 lx
( 50%): 28.4 lx
(100%): 56.8 lx

C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab: NINGBO LED LIGHTING
Test Device: GPM-1600L
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Distance: 6.583 m
Temperature: 25°C
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# Illuminance at a Distance




| Dist(m) | Enadir(lx) | Dh/Dv_B(m) | S_B(sq.m) | Eav_B(lx) |
|---|---|---|---|---|
| 1.0 | 1413.70 | 0.87/0.86 | 0.6 | 620.41 |
| 2.0 | 353.42 | 1.74/1.73 | 2.4 | 155.10 |
| 3.0 | 157.08 | 2.61/2.59 | 5.4 | 68.93 |
| 4.0 | 88.36 | 3.49/3.46 | 9.6 | 38.78 |
| 5.0 | 56.55 | 4.36/4.32 | 15.0 | 24.82 |

Beam Angle(B): H47.1 V46.7 Field Angle(F): H99.3 V99.3

C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

# UGR Table

| Reflectance: Ceiling (cavity) | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
|---|---|---|---|---|---|---|---|---|---|---|
| Wall | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H Y=2H | 21.7 | 22.6 | 21.9 | 22.9 | 23.1 | 22.0 | 23.0 | 22.3 | 23.2 | 23.4 |
| 3H | 21.5 | 22.4 | 21.8 | 22.7 | 22.9 | 21.9 | 22.8 | 22.2 | 23.0 | 23.3 |
| 4H | 21.5 | 22.3 | 21.8 | 22.6 | 22.8 | 21.8 | 22.6 | 22.1 | 22.9 | 23.2 |
| 6H | 21.4 | 22.2 | 21.7 | 22.4 | 22.7 | 21.8 | 22.5 | 22.1 | 22.8 | 23.1 |
| 8H | 21.4 | 22.1 | 21.7 | 22.4 | 22.7 | 21.7 | 22.4 | 22.1 | 22.7 | 23.0 |
| 12H | 21.3 | 22.0 | 21.7 | 22.3 | 22.6 | 21.7 | 22.4 | 22.0 | 22.7 | 23.0 |
| X=4H Y=2H | 21.5 | 22.3 | 21.8 | 22.5 | 22.8 | 21.8 | 22.6 | 22.1 | 22.9 | 23.2 |
| 3H | 21.3 | 22.0 | 21.7 | 22.3 | 22.7 | 21.7 | 22.4 | 22.0 | 22.7 | 23.0 |
| 4H | 21.3 | 21.9 | 21.7 | 22.2 | 22.6 | 21.6 | 22.2 | 22.0 | 22.6 | 22.9 |
| 6H | 21.2 | 21.7 | 21.6 | 22.1 | 22.5 | 21.5 | 22.1 | 22.0 | 22.5 | 22.8 |
| 8H | 21.2 | 21.6 | 21.6 | 22.0 | 22.4 | 21.5 | 22.0 | 21.9 | 22.4 | 22.8 |
| 12H | 21.1 | 21.5 | 21.6 | 22.0 | 22.4 | 21.5 | 21.9 | 21.9 | 22.3 | 22.7 |
| X=8H Y=4H | 21.2 | 21.6 | 21.6 | 22.0 | 22.4 | 21.5 | 22.0 | 21.9 | 22.4 | 22.8 |
| 6H | 21.1 | 21.5 | 21.5 | 21.9 | 22.4 | 21.4 | 21.8 | 21.9 | 22.2 | 22.7 |
| 8H | 21.0 | 21.4 | 21.5 | 21.8 | 22.3 | 21.4 | 21.7 | 21.9 | 22.2 | 22.7 |
| 12H | 21.0 | 21.3 | 21.5 | 21.8 | 22.3 | 21.3 | 21.6 | 21.8 | 22.1 | 22.6 |
| X=12H Y=4H | 21.1 | 21.6 | 21.6 | 22.0 | 22.4 | 21.5 | 21.9 | 21.9 | 22.3 | 22.7 |
| 6H | 21.0 | 21.4 | 21.5 | 21.8 | 22.3 | 21.4 | 21.7 | 21.9 | 22.2 | 22.7 |
| 8H | 21.0 | 21.3 | 21.5 | 21.8 | 22.3 | 21.3 | 21.6 | 21.8 | 22.1 | 22.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S=1.0H | +3.3/-11.8 | | | | | +3.4/-10.9 | | | | |
| S=1.5H | +4.6/-12.5 | | | | | +4.6/-11.7 | | | | |
| S=2.0H | +6.5/-14.0 | | | | | +6.7/-13.0 | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with 1385lm (8log(F/F0) = 1.1).

C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

# Candlepower Table

Unit: cd

| G\C | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| G0.0 | 1413.7 | 1413.4 | 1417.7 | 1419.8 | 1418.8 | 1417.0 | 1413.7 | 1413.4 | 1417.7 | 1419.8 |
| G1.0 | 1411.8 | 1410.9 | 1415.8 | 1417.2 | 1415.7 | 1413.8 | 1413.0 | 1412.4 | 1414.9 | 1418.0 |
| G2.0 | 1412.9 | 1413.0 | 1417.1 | 1416.1 | 1414.7 | 1407.8 | 1407.7 | 1407.8 | 1411.8 | 1415.7 |
| G3.0 | 1417.6 | 1417.0 | 1417.4 | 1413.6 | 1411.2 | 1402.8 | 1405.8 | 1407.9 | 1414.8 | 1420.3 |
| G4.0 | 1423.5 | 1422.8 | 1416.7 | 1413.1 | 1408.7 | 1401.6 | 1406.5 | 1410.9 | 1420.7 | 1426.1 |
| G5.0 | 1430.4 | 1427.6 | 1415.4 | 1413.1 | 1407.5 | 1403.0 | 1409.8 | 1415.2 | 1424.2 | 1428.9 |
| G6.0 | 1432.4 | 1423.9 | 1411.1 | 1412.6 | 1405.6 | 1406.0 | 1414.6 | 1420.0 | 1427.7 | 1432.8 |
| G7.0 | 1430.3 | 1412.6 | 1403.6 | 1409.8 | 1402.4 | 1410.8 | 1417.9 | 1423.6 | 1430.4 | 1434.4 |
| G8.0 | 1420.4 | 1399.9 | 1399.5 | 1411.0 | 1399.8 | 1410.3 | 1417.8 | 1420.9 | 1427.5 | 1432.7 |
| G9.0 | 1396.8 | 1389.6 | 1398.4 | 1405.6 | 1399.0 | 1401.6 | 1413.2 | 1412.4 | 1419.5 | 1422.6 |
| G10.0 | 1364.5 | 1376.4 | 1391.8 | 1400.4 | 1398.8 | 1387.6 | 1401.6 | 1401.3 | 1403.0 | 1404.7 |
| G11.0 | 1322.8 | 1348.3 | 1376.8 | 1383.9 | 1389.4 | 1368.8 | 1382.3 | 1379.4 | 1373.8 | 1375.2 |
| G12.0 | 1276.2 | 1310.4 | 1345.0 | 1359.0 | 1372.4 | 1345.2 | 1353.9 | 1342.1 | 1332.6 | 1332.7 |
| G13.0 | 1219.3 | 1259.5 | 1301.6 | 1324.2 | 1336.9 | 1314.9 | 1315.4 | 1291.0 | 1279.4 | 1280.3 |
| G14.0 | 1157.5 | 1198.8 | 1243.2 | 1267.3 | 1278.1 | 1266.0 | 1256.0 | 1217.4 | 1210.0 | 1208.3 |
| G15.0 | 1099.5 | 1140.7 | 1180.4 | 1198.7 | 1210.2 | 1199.9 | 1192.2 | 1142.1 | 1132.7 | 1131.9 |
| G16.0 | 1039.8 | 1073.2 | 1110.5 | 1121.6 | 1136.1 | 1119.7 | 1115.6 | 1065.7 | 1048.2 | 1059.5 |
| G17.0 | 980.4 | 1013.8 | 1036.7 | 1048.5 | 1057.5 | 1037.8 | 1040.1 | 982.9 | 974.7 | 986.0 |
| G18.0 | 928.9 | 954.9 | 969.7 | 983.4 | 991.4 | 966.5 | 973.6 | 923.3 | 914.5 | 925.0 |
| G19.0 | 872.7 | 895.5 | 907.1 | 918.7 | 923.6 | 899.2 | 908.9 | 869.9 | 854.0 | 870.3 |
| G20.0 | 827.8 | 846.0 | 853.8 | 863.6 | 871.2 | 849.4 | 861.3 | 827.3 | 811.5 | 822.8 |
| G21.0 | 783.5 | 797.2 | 810.8 | 814.8 | 823.9 | 804.2 | 817.7 | 791.5 | 772.4 | 781.5 |
| G22.0 | 745.3 | 762.0 | 770.3 | 777.1 | 784.8 | 768.8 | 779.7 | 755.9 | 734.7 | 743.0 |
| G23.0 | 718.7 | 734.0 | 735.6 | 745.1 | 752.7 | 736.5 | 746.9 | 727.6 | 708.6 | 713.2 |
| G24.0 | 689.8 | 706.6 | 707.7 | 713.3 | 721.8 | 710.2 | 716.5 | 704.8 | 686.2 | 691.1 |
| G25.0 | 661.0 | 679.5 | 686.5 | 691.8 | 697.4 | 687.3 | 694.0 | 682.1 | 664.1 | 663.5 |
| G26.0 | 639.5 | 654.9 | 665.5 | 671.1 | 676.7 | 664.1 | 673.5 | 665.0 | 639.7 | 637.7 |
| G27.0 | 611.2 | 633.3 | 638.6 | 646.7 | 648.5 | 636.0 | 652.3 | 640.3 | 620.4 | 614.6 |
| G28.0 | 593.0 | 612.5 | 620.2 | 625.8 | 628.5 | 617.1 | 627.9 | 619.5 | 598.8 | 592.0 |
| G29.0 | 572.0 | 591.3 | 599.8 | 604.8 | 608.6 | 594.5 | 610.5 | 599.0 | 581.2 | 576.1 |
| G30.0 | 554.5 | 571.3 | 581.3 | 588.2 | 588.2 | 580.2 | 590.5 | 579.3 | 561.9 | 554.8 |
| G31.0 | 535.2 | 552.8 | 560.0 | 569.5 | 569.0 | 563.8 | 574.4 | 558.5 | 547.1 | 540.2 |
| G32.0 | 520.2 | 535.5 | 541.9 | 553.6 | 551.6 | 551.3 | 553.0 | 541.0 | 527.0 | 521.4 |
| G33.0 | 501.7 | 519.6 | 522.3 | 534.3 | 534.3 | 532.4 | 537.1 | 522.2 | 511.5 | 505.1 |
| G34.0 | 490.3 | 504.8 | 507.6 | 522.2 | 519.7 | 520.8 | 520.3 | 507.8 | 494.0 | 491.1 |
| G35.0 | 475.0 | 489.7 | 489.8 | 502.1 | 499.9 | 500.1 | 501.9 | 490.5 | 479.1 | 478.5 |
| G36.0 | 463.7 | 478.0 | 476.8 | 489.0 | 485.6 | 488.0 | 487.9 | 477.0 | 466.2 | 471.5 |

C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

# Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| G37.0 | 450.4 | 467.1 | 464.8 | 473.6 | 469.3 | 474.0 | 474.2 | 467.8 | 456.6 | 466.3 |
| G38.0 | 441.0 | 458.3 | 456.0 | 464.4 | 454.3 | 464.3 | 465.9 | 459.6 | 450.1 | 462.7 |
| G39.0 | 432.4 | 450.7 | 449.6 | 456.6 | 443.7 | 457.2 | 460.7 | 452.6 | 443.2 | 459.3 |
| G40.0 | 425.4 | 442.8 | 442.5 | 448.9 | 437.1 | 449.5 | 453.4 | 445.1 | 435.3 | 449.9 |
| G41.0 | 420.8 | 435.8 | 437.1 | 441.8 | 432.6 | 441.5 | 446.1 | 437.8 | 427.3 | 433.0 |
| G42.0 | 417.8 | 428.8 | 430.7 | 434.9 | 429.6 | 434.0 | 438.5 | 431.4 | 417.9 | 412.0 |
| G43.0 | 399.3 | 408.8 | 423.8 | 427.3 | 426.7 | 426.3 | 428.8 | 422.6 | 407.5 | 372.1 |
| G44.0 | 394.0 | 398.6 | 404.3 | 419.3 | 422.1 | 418.3 | 419.7 | 410.5 | 391.3 | 347.0 |
| G45.0 | 387.4 | 389.5 | 394.9 | 396.7 | 401.9 | 396.5 | 396.9 | 393.4 | 378.4 | 330.2 |
| G46.0 | 360.8 | 380.8 | 385.4 | 386.1 | 388.4 | 386.6 | 386.4 | 380.4 | 360.9 | 323.3 |
| G47.0 | 292.4 | 332.0 | 369.2 | 376.4 | 377.9 | 377.6 | 378.4 | 364.6 | 319.6 | 288.4 |
| G48.0 | 195.6 | 246.4 | 301.6 | 325.9 | 339.5 | 324.2 | 355.3 | 309.4 | 241.9 | 221.1 |
| G49.0 | 113.6 | 156.9 | 216.0 | 249.7 | 264.7 | 248.6 | 289.0 | 229.7 | 162.1 | 148.2 |
| G50.0 | 50.3 | 80.5 | 132.6 | 161.7 | 183.5 | 159.8 | 207.1 | 151.3 | 90.2 | 83.1 |
| G51.0 | 32.3 | 34.6 | 57.2 | 81.1 | 95.8 | 79.8 | 113.3 | 72.5 | 45.9 | 45.6 |
| G52.0 | 25.6 | 28.4 | 32.6 | 36.2 | 43.4 | 35.5 | 51.9 | 36.9 | 35.9 | 39.0 |
| G53.0 | 20.7 | 22.0 | 27.0 | 28.4 | 33.2 | 29.0 | 31.4 | 31.2 | 28.6 | 32.5 |
| G54.0 | 18.6 | 18.2 | 21.3 | 23.0 | 27.2 | 23.5 | 26.6 | 25.4 | 24.0 | 27.1 |
| G55.0 | 18.5 | 17.6 | 18.4 | 19.0 | 22.7 | 19.7 | 22.0 | 22.0 | 22.2 | 25.4 |
| G56.0 | 17.9 | 17.3 | 18.0 | 18.2 | 20.9 | 18.8 | 19.1 | 20.5 | 21.3 | 24.2 |
| G57.0 | 16.8 | 16.9 | 17.8 | 17.8 | 20.3 | 18.1 | 18.5 | 19.4 | 19.8 | 22.3 |
| G58.0 | 15.8 | 15.8 | 16.8 | 17.1 | 19.4 | 17.4 | 17.7 | 18.0 | 18.3 | 20.3 |
| G59.0 | 15.3 | 15.0 | 15.1 | 15.3 | 17.6 | 15.6 | 16.1 | 16.5 | 17.3 | 18.7 |
| G60.0 | 14.6 | 14.6 | 14.4 | 14.4 | 16.6 | 15.0 | 15.1 | 15.6 | 16.3 | 17.6 |
| G61.0 | 13.7 | 13.9 | 13.6 | 13.8 | 15.8 | 14.2 | 14.4 | 14.6 | 15.2 | 16.4 |
| G62.0 | 12.3 | 12.7 | 12.6 | 12.9 | 14.9 | 13.2 | 13.4 | 13.6 | 14.2 | 14.9 |
| G63.0 | 11.1 | 11.5 | 11.5 | 12.2 | 14.0 | 12.5 | 12.4 | 12.5 | 12.7 | 13.5 |
| G64.0 | 9.8 | 10.4 | 10.4 | 11.0 | 12.6 | 11.3 | 11.4 | 11.2 | 11.8 | 12.4 |
| G65.0 | 8.9 | 9.1 | 9.6 | 10.3 | 11.6 | 10.4 | 10.6 | 10.4 | 10.6 | 11.0 |
| G66.0 | 8.1 | 8.3 | 8.6 | 9.2 | 10.5 | 9.1 | 9.8 | 9.4 | 9.7 | 10.1 |
| G67.0 | 7.3 | 7.5 | 7.9 | 8.4 | 9.2 | 8.4 | 8.8 | 8.8 | 9.0 | 9.4 |
| G68.0 | 6.6 | 6.7 | 7.2 | 7.7 | 8.5 | 7.8 | 8.2 | 8.1 | 8.0 | 8.3 |
| G69.0 | 6.2 | 6.1 | 6.4 | 6.7 | 7.5 | 6.8 | 7.5 | 7.4 | 7.2 | 7.6 |
| G70.0 | 5.4 | 5.5 | 5.9 | 6.2 | 6.8 | 6.2 | 6.7 | 6.9 | 6.7 | 7.0 |
| G71.0 | 4.7 | 4.8 | 5.4 | 5.7 | 6.3 | 5.7 | 6.2 | 6.3 | 5.9 | 6.1 |
| G72.0 | 4.4 | 4.3 | 4.7 | 4.8 | 5.6 | 4.9 | 5.6 | 5.4 | 5.2 | 5.5 |
| G73.0 | 3.8 | 4.2 | 4.4 | 4.4 | 5.1 | 4.4 | 4.8 | 4.9 | 4.7 | 4.9 |

C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

# Candlepower Table (Continue 2)

Unit: cd

| G\C | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| G74.0 | 3.2 | 3.3 | 4.0 | 4.0 | 4.6 | 4.0 | 4.4 | 4.5 | 4.2 | 4.1 |
| G75.0 | 2.7 | 3.1 | 3.3 | 3.4 | 4.0 | 3.3 | 4.0 | 3.7 | 3.5 | 3.5 |
| G76.0 | 2.4 | 2.7 | 2.9 | 2.8 | 3.1 | 2.7 | 3.0 | 3.1 | 3.0 | 2.9 |
| G77.0 | 1.6 | 2.3 | 2.6 | 2.5 | 2.6 | 2.4 | 2.6 | 2.7 | 2.6 | 2.5 |
| G78.0 | 1.2 | 1.6 | 1.8 | 2.2 | 2.3 | 2.1 | 2.3 | 2.3 | 1.9 | 1.8 |
| G79.0 | 0.7 | 1.1 | 1.2 | 1.3 | 1.6 | 1.4 | 1.8 | 1.6 | 1.3 | 1.3 |
| G80.0 | 0.0 | 0.7 | 0.8 | 0.9 | 1.2 | 0.9 | 1.2 | 1.0 | 0.9 | 0.7 |
| G81.0 | 0.0 | 0.1 | 0.3 | 0.6 | 0.8 | 0.7 | 0.8 | 0.7 | 0.4 | 0.1 |
| G82.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 | 0.1 | 0.1 | 0.0 |
| G83.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G84.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G85.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G86.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G87.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G88.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G89.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| G90.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
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C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

# Candlepower Table (Continue 3)

Unit: cd

| G\C | C300.0 | C330.0 | C360.0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| G0.0 | 1418.8 | 1417.0 | 1413.7 | | | | | | | |
| G1.0 | 1417.0 | 1415.7 | 1411.8 | | | | | | | |
| G2.0 | 1415.7 | 1414.7 | 1412.9 | | | | | | | |
| G3.0 | 1418.5 | 1416.3 | 1417.6 | | | | | | | |
| G4.0 | 1422.6 | 1420.8 | 1423.5 | | | | | | | |
| G5.0 | 1425.8 | 1424.2 | 1430.4 | | | | | | | |
| G6.0 | 1430.2 | 1426.0 | 1432.4 | | | | | | | |
| G7.0 | 1435.8 | 1430.3 | 1430.3 | | | | | | | |
| G8.0 | 1434.5 | 1426.7 | 1420.4 | | | | | | | |
| G9.0 | 1423.0 | 1413.0 | 1396.8 | | | | | | | |
| G10.0 | 1399.5 | 1389.5 | 1364.5 | | | | | | | |
| G11.0 | 1357.1 | 1349.0 | 1322.8 | | | | | | | |
| G12.0 | 1311.1 | 1302.8 | 1276.2 | | | | | | | |
| G13.0 | 1256.2 | 1245.8 | 1219.3 | | | | | | | |
| G14.0 | 1188.9 | 1182.2 | 1157.5 | | | | | | | |
| G15.0 | 1125.6 | 1124.2 | 1099.5 | | | | | | | |
| G16.0 | 1054.4 | 1065.2 | 1039.8 | | | | | | | |
| G17.0 | 993.4 | 1005.8 | 980.4 | | | | | | | |
| G18.0 | 934.0 | 951.1 | 928.9 | | | | | | | |
| G19.0 | 878.0 | 891.6 | 872.7 | | | | | | | |
| G20.0 | 832.4 | 837.8 | 827.8 | | | | | | | |
| G21.0 | 789.6 | 791.7 | 783.5 | | | | | | | |
| G22.0 | 750.5 | 749.3 | 745.3 | | | | | | | |
| G23.0 | 720.2 | 715.8 | 718.7 | | | | | | | |
| G24.0 | 694.4 | 690.6 | 689.8 | | | | | | | |
| G25.0 | 672.4 | 667.5 | 661.0 | | | | | | | |
| G26.0 | 646.2 | 645.2 | 639.5 | | | | | | | |
| G27.0 | 622.2 | 622.0 | 611.2 | | | | | | | |
| G28.0 | 597.8 | 600.3 | 593.0 | | | | | | | |
| G29.0 | 578.0 | 582.3 | 572.0 | | | | | | | |
| G30.0 | 557.3 | 563.0 | 554.5 | | | | | | | |
| G31.0 | 539.9 | 548.1 | 535.2 | | | | | | | |
| G32.0 | 521.7 | 526.3 | 520.2 | | | | | | | |
| G33.0 | 506.2 | 513.2 | 501.7 | | | | | | | |
| G34.0 | 491.8 | 498.1 | 490.3 | | | | | | | |
| G35.0 | 478.0 | 486.4 | 475.0 | | | | | | | |
| G36.0 | 469.0 | 474.9 | 463.7 | | | | | | | |

C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

# Candlepower Table (Continue 4)

Unit: cd

| G\C | C300.0 | C330.0 | C360.0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| G37.0 | 459.5 | 464.7 | 450.4 | | | | | | | |
| G38.0 | 453.4 | 454.5 | 441.0 | | | | | | | |
| G39.0 | 450.5 | 449.6 | 432.4 | | | | | | | |
| G40.0 | 446.4 | 446.4 | 425.4 | | | | | | | |
| G41.0 | 437.5 | 437.2 | 420.8 | | | | | | | |
| G42.0 | 425.2 | 426.8 | 417.8 | | | | | | | |
| G43.0 | 401.4 | 403.7 | 399.3 | | | | | | | |
| G44.0 | 387.3 | 388.4 | 394.0 | | | | | | | |
| G45.0 | 374.1 | 380.5 | 387.4 | | | | | | | |
| G46.0 | 352.8 | 371.4 | 360.8 | | | | | | | |
| G47.0 | 294.2 | 325.2 | 292.4 | | | | | | | |
| G48.0 | 209.3 | 244.0 | 195.6 | | | | | | | |
| G49.0 | 129.0 | 154.2 | 113.6 | | | | | | | |
| G50.0 | 66.9 | 81.3 | 50.3 | | | | | | | |
| G51.0 | 37.7 | 37.0 | 32.3 | | | | | | | |
| G52.0 | 30.9 | 30.0 | 25.6 | | | | | | | |
| G53.0 | 24.8 | 24.1 | 20.7 | | | | | | | |
| G54.0 | 21.9 | 20.1 | 18.6 | | | | | | | |
| G55.0 | 21.2 | 19.7 | 18.5 | | | | | | | |
| G56.0 | 20.5 | 19.6 | 17.9 | | | | | | | |
| G57.0 | 19.0 | 18.4 | 16.8 | | | | | | | |
| G58.0 | 17.7 | 16.9 | 15.8 | | | | | | | |
| G59.0 | 16.6 | 16.0 | 15.3 | | | | | | | |
| G60.0 | 15.5 | 15.3 | 14.6 | | | | | | | |
| G61.0 | 14.4 | 14.4 | 13.7 | | | | | | | |
| G62.0 | 13.1 | 13.4 | 12.3 | | | | | | | |
| G63.0 | 11.9 | 12.3 | 11.1 | | | | | | | |
| G64.0 | 10.7 | 11.2 | 9.8 | | | | | | | |
| G65.0 | 9.8 | 9.9 | 8.9 | | | | | | | |
| G66.0 | 9.1 | 9.1 | 8.1 | | | | | | | |
| G67.0 | 8.3 | 8.4 | 7.3 | | | | | | | |
| G68.0 | 7.6 | 7.4 | 6.6 | | | | | | | |
| G69.0 | 6.9 | 6.9 | 6.2 | | | | | | | |
| G70.0 | 6.3 | 6.2 | 5.4 | | | | | | | |
| G71.0 | 5.5 | 5.4 | 4.7 | | | | | | | |
| G72.0 | 4.9 | 4.9 | 4.4 | | | | | | | |
| G73.0 | 4.4 | 4.5 | 3.8 | | | | | | | |

C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector:

# Candlepower Table (Continue 5)

Unit: cd

| G\C | C300.0 | C330.0 | C360.0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| G74.0 | 3.6 | 3.8 | 3.2 | | | | | | | |
| G75.0 | 3.1 | 3.3 | 2.7 | | | | | | | |
| G76.0 | 2.7 | 2.8 | 2.4 | | | | | | | |
| G77.0 | 2.0 | 2.3 | 1.6 | | | | | | | |
| G78.0 | 1.5 | 1.6 | 1.2 | | | | | | | |
| G79.0 | 1.1 | 1.1 | 0.7 | | | | | | | |
| G80.0 | 0.6 | 0.7 | 0.0 | | | | | | | |
| G81.0 | 0.0 | 0.1 | 0.0 | | | | | | | |
| G82.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G83.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G84.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G85.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G86.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G87.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G88.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G89.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| G90.0 | 0.0 | 0.0 | 0.0 | | | | | | | |
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C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.583 m
Humidity:
Inspector: