**HAVIT LIGHTING**
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Report No.: 001 Test Time: 2020-03-23 10:26

# Luminaire Property

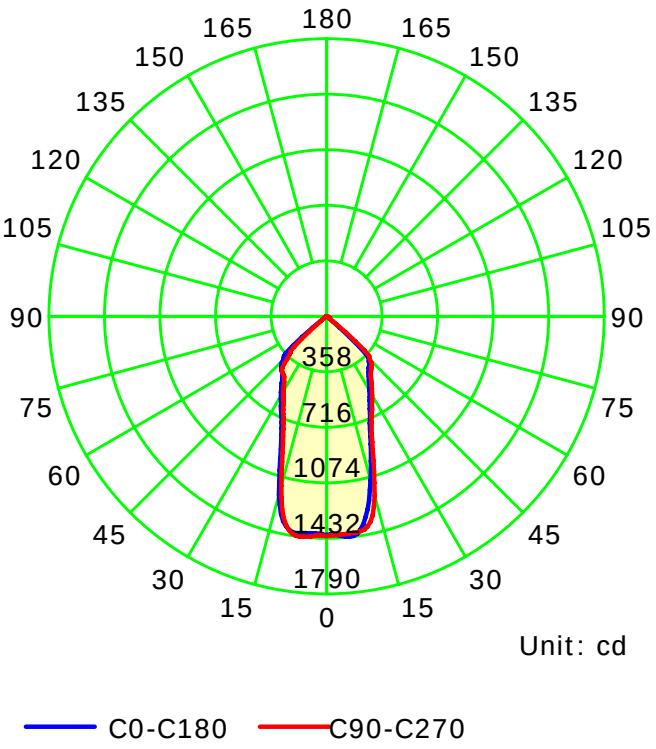
Luminaire Manufacturer:
Luminaire Category: Outdoor lighting
Luminaire Description: HCP-212150-C
Lamp Catalog: COB
Luminous Length (mm): -105
Luminous Width (mm): -105
Luminous Height (mm): 0
Voltage: 230.7 V
Current: 0.063 A
Power: 15.25 W
Power Factor: 0.946

# Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 1382.1 lm
Measurement Flux: 1382.1 lm
Efficiency: 100%
Downward Ratio: 100%
Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 99.4, 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): 90.68
Central Intensity: 1409.73 cd
Max. Intensity: 1432.41 cd
Pos of Max. Intensity: H300 V7
S/MH(C0/C180): 0.72
S/MH(C90/C270): 0.72

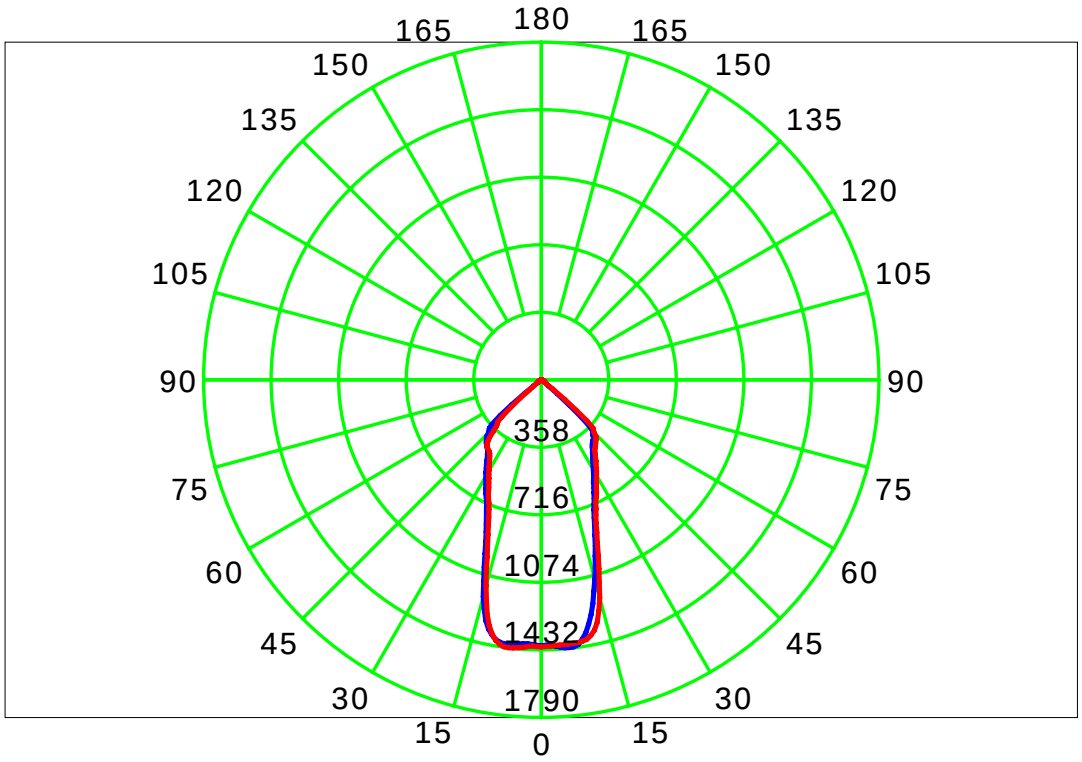
Picture Of Luminaire

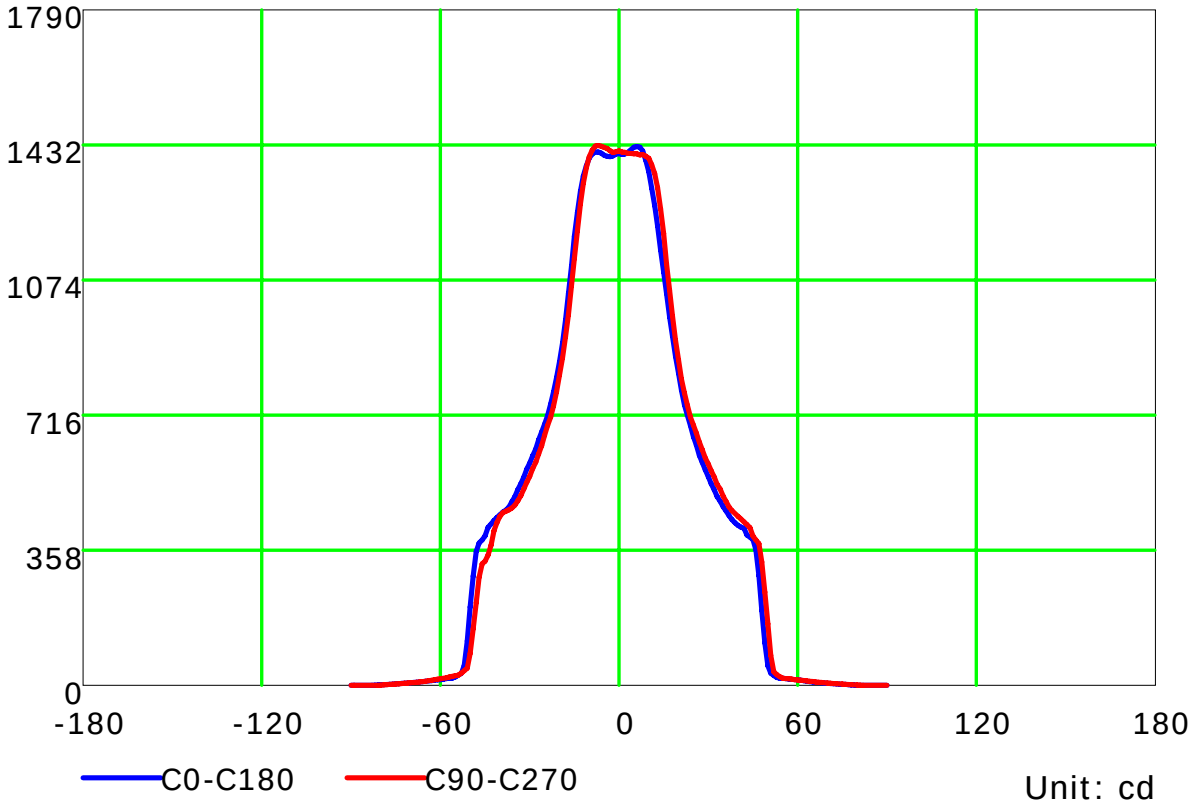
Luminous Intensity Distribution Curve




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

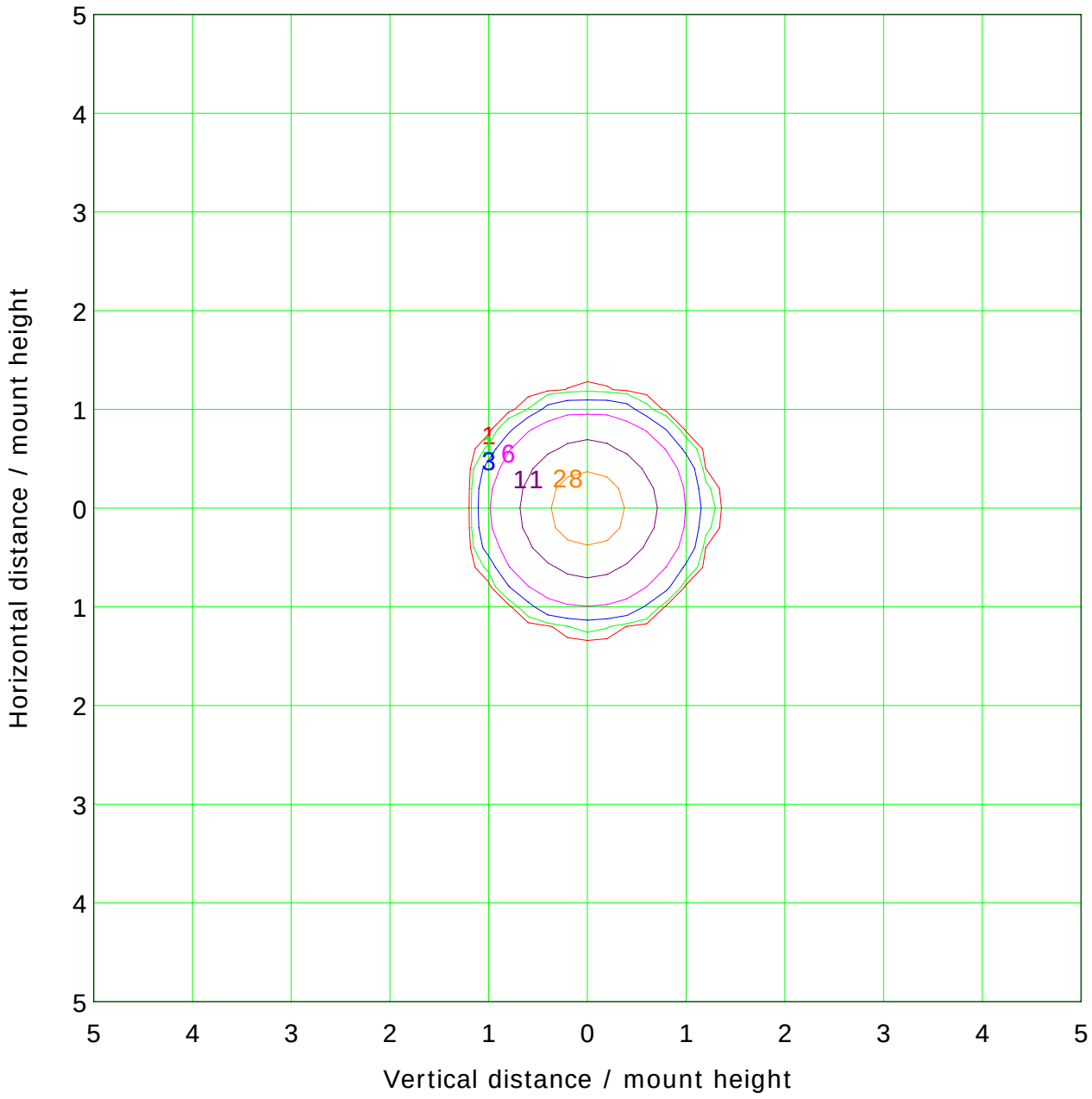



C Plane (°):0.0-360.0: 30.0
Test Lab: NINGBO LED LIGHTING
Test Type: TYPE C
Temperature: 25°C
Operator: DING LI

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

# IsoLux Plot

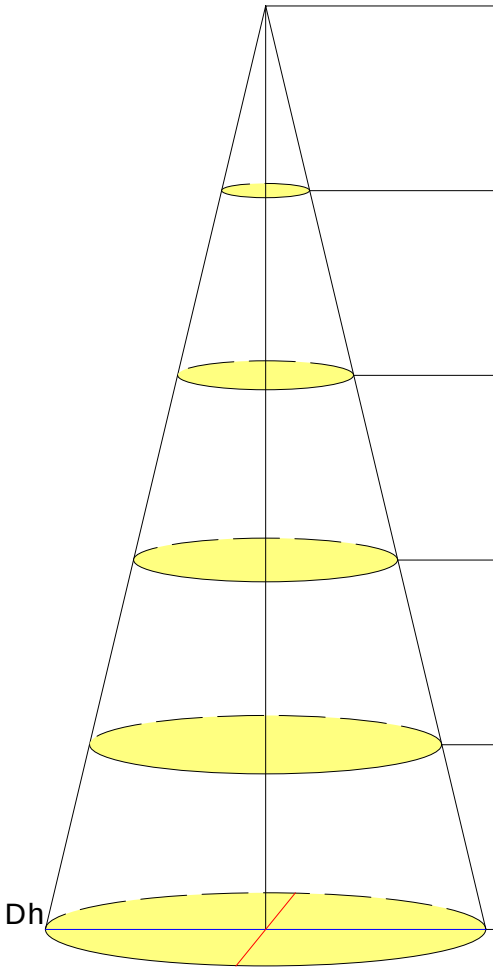



Mounting Height: 5.0m  Max Lux(100%): 56.7 lx

( 1%): 0.6 lx
( 2%): 1.1 lx
( 5%): 2.8 lx
( 10%): 5.7 lx
( 20%): 11.3 lx
( 50%): 28.3 lx
(100%): 56.7 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
Test Type: TYPE C
Distance: 6.583 m
Temperature: 25°C
Humidity:
Operator: DING LI
Inspector:

# Illuminance at a Distance




| Dist(m) | Enadir(lx) | Dh/Dv_B(m) | S_B(sq.m) | Eav_B(lx) |
|---|---|---|---|---|
| 1.0 | 1409.73 | 0.87/0.86 | 0.6 | 618.67 |
| 2.0 | 352.43 | 1.74/1.73 | 2.4 | 154.67 |
| 3.0 | 156.64 | 2.62/2.59 | 5.4 | 68.74 |
| 4.0 | 88.11 | 3.49/3.45 | 9.6 | 38.67 |
| 5.0 | 56.39 | 4.36/4.32 | 15.0 | 24.75 |

Beam Angle(B): H47.1 V46.7 Field Angle(F): H99.4 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 | 22.1 | 21.7 | 22.4 | 22.7 | 21.7 | 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 | 21.9 | 22.4 | 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 | 22.3 | 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 | 22.6 |
| 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 | 22.6 |
| 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/-11.7 | | | | | +3.4/-10.9 | | | | |
| S=1.5H | +4.6/-12.4 | | | | | +4.6/-11.7 | | | | |
| S=2.0H | +6.5/-13.9 | | | | | +6.6/-12.9 | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with 1382lm (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 | 1409.7 | 1409.8 | 1409.9 | 1416.9 | 1416.2 | 1413.4 | 1409.7 | 1409.8 | 1409.9 | 1416.9 |
| G1.0 | 1407.7 | 1406.8 | 1408.8 | 1413.9 | 1413.1 | 1410.5 | 1408.7 | 1408.3 | 1406.8 | 1414.9 |
| G2.0 | 1408.8 | 1409.4 | 1409.0 | 1413.1 | 1411.3 | 1405.1 | 1403.9 | 1404.0 | 1403.4 | 1412.7 |
| G3.0 | 1413.3 | 1413.5 | 1408.5 | 1410.4 | 1407.9 | 1400.2 | 1401.8 | 1404.3 | 1406.8 | 1416.7 |
| G4.0 | 1419.9 | 1419.0 | 1407.4 | 1410.1 | 1405.4 | 1398.6 | 1402.5 | 1407.8 | 1412.8 | 1423.1 |
| G5.0 | 1426.6 | 1423.9 | 1406.5 | 1409.2 | 1404.6 | 1400.5 | 1405.7 | 1412.3 | 1417.6 | 1426.2 |
| G6.0 | 1428.2 | 1420.2 | 1404.1 | 1409.2 | 1402.7 | 1403.8 | 1411.0 | 1416.4 | 1422.5 | 1429.4 |
| G7.0 | 1426.7 | 1409.0 | 1397.1 | 1406.4 | 1399.3 | 1409.1 | 1413.8 | 1419.9 | 1425.8 | 1431.4 |
| G8.0 | 1416.9 | 1395.8 | 1394.4 | 1407.3 | 1396.5 | 1408.6 | 1413.9 | 1417.1 | 1422.6 | 1429.5 |
| G9.0 | 1392.2 | 1385.5 | 1394.2 | 1403.1 | 1395.9 | 1399.3 | 1408.9 | 1408.9 | 1414.3 | 1419.6 |
| G10.0 | 1361.7 | 1373.3 | 1387.5 | 1397.4 | 1396.0 | 1385.6 | 1397.7 | 1398.1 | 1397.6 | 1401.2 |
| G11.0 | 1318.5 | 1344.2 | 1372.1 | 1380.5 | 1387.0 | 1365.6 | 1377.3 | 1374.7 | 1368.1 | 1372.5 |
| G12.0 | 1271.9 | 1306.6 | 1342.0 | 1356.6 | 1368.7 | 1343.2 | 1350.3 | 1339.4 | 1328.9 | 1330.8 |
| G13.0 | 1218.0 | 1257.8 | 1299.4 | 1319.5 | 1335.3 | 1311.4 | 1310.1 | 1286.2 | 1273.6 | 1276.3 |
| G14.0 | 1153.6 | 1197.6 | 1238.9 | 1262.6 | 1274.3 | 1262.7 | 1253.2 | 1215.1 | 1204.4 | 1204.9 |
| G15.0 | 1095.5 | 1136.8 | 1176.8 | 1197.5 | 1206.6 | 1200.5 | 1190.2 | 1140.3 | 1130.5 | 1131.5 |
| G16.0 | 1038.8 | 1072.3 | 1110.6 | 1117.1 | 1136.0 | 1116.8 | 1110.0 | 1060.4 | 1043.2 | 1059.1 |
| G17.0 | 976.9 | 1010.4 | 1037.5 | 1047.4 | 1054.2 | 1039.0 | 1038.3 | 981.6 | 970.4 | 982.5 |
| G18.0 | 925.9 | 954.0 | 970.2 | 979.6 | 988.6 | 964.0 | 968.8 | 921.9 | 910.7 | 924.6 |
| G19.0 | 872.0 | 892.3 | 906.8 | 914.7 | 923.5 | 896.8 | 907.0 | 866.3 | 853.1 | 868.0 |
| G20.0 | 827.2 | 842.7 | 853.8 | 862.3 | 868.6 | 847.2 | 857.5 | 825.9 | 808.7 | 822.6 |
| G21.0 | 782.8 | 796.0 | 810.7 | 812.0 | 823.4 | 802.3 | 816.0 | 788.6 | 769.9 | 778.8 |
| G22.0 | 743.2 | 761.0 | 767.0 | 774.7 | 784.3 | 766.9 | 778.1 | 754.5 | 732.9 | 741.1 |
| G23.0 | 716.6 | 731.4 | 732.9 | 742.9 | 750.4 | 736.1 | 745.5 | 725.2 | 707.2 | 711.2 |
| G24.0 | 689.1 | 705.3 | 706.0 | 711.2 | 720.0 | 708.5 | 714.9 | 702.6 | 684.6 | 689.2 |
| G25.0 | 659.1 | 677.0 | 684.0 | 689.7 | 695.4 | 685.6 | 692.4 | 680.3 | 663.3 | 663.0 |
| G26.0 | 637.7 | 653.7 | 662.8 | 669.0 | 675.1 | 662.4 | 671.9 | 663.0 | 638.0 | 635.9 |
| G27.0 | 609.3 | 630.8 | 634.8 | 644.6 | 647.9 | 634.5 | 650.9 | 639.7 | 619.6 | 613.8 |
| G28.0 | 591.4 | 610.5 | 618.0 | 624.8 | 627.1 | 616.5 | 626.3 | 617.6 | 597.3 | 591.5 |
| G29.0 | 571.3 | 590.3 | 597.5 | 602.9 | 607.8 | 592.8 | 609.1 | 597.0 | 580.3 | 575.0 |
| G30.0 | 552.8 | 569.4 | 579.3 | 586.6 | 586.6 | 578.6 | 589.1 | 578.0 | 560.6 | 554.0 |
| G31.0 | 534.3 | 552.1 | 557.8 | 568.6 | 568.6 | 562.5 | 573.3 | 557.3 | 545.8 | 538.8 |
| G32.0 | 518.5 | 533.8 | 538.7 | 552.0 | 550.3 | 549.8 | 551.8 | 540.1 | 525.5 | 520.4 |
| G33.0 | 500.5 | 518.4 | 521.1 | 532.6 | 533.6 | 530.8 | 534.9 | 520.6 | 510.2 | 503.4 |
| G34.0 | 488.3 | 503.7 | 504.7 | 520.4 | 519.3 | 519.2 | 518.9 | 506.7 | 492.6 | 489.5 |
| G35.0 | 473.2 | 487.9 | 488.7 | 501.2 | 498.6 | 499.6 | 499.9 | 488.8 | 477.6 | 477.4 |
| G36.0 | 462.1 | 476.9 | 474.5 | 487.3 | 484.8 | 486.8 | 486.7 | 475.9 | 465.0 | 470.5 |

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 | 449.3 | 465.5 | 463.6 | 472.3 | 468.1 | 472.9 | 472.6 | 466.4 | 454.8 | 465.4 |
| G38.0 | 439.2 | 456.7 | 454.3 | 462.9 | 453.3 | 463.4 | 464.8 | 458.6 | 447.5 | 462.0 |
| G39.0 | 430.9 | 449.6 | 447.6 | 455.4 | 443.0 | 456.2 | 459.6 | 451.1 | 440.4 | 458.2 |
| G40.0 | 423.9 | 441.3 | 440.3 | 447.6 | 436.1 | 448.7 | 452.1 | 444.1 | 433.0 | 448.2 |
| G41.0 | 419.6 | 434.7 | 434.2 | 440.9 | 432.0 | 440.5 | 445.1 | 436.8 | 424.1 | 432.3 |
| G42.0 | 416.4 | 427.4 | 427.9 | 433.6 | 428.5 | 433.2 | 437.1 | 430.0 | 415.1 | 410.1 |
| G43.0 | 398.5 | 407.1 | 420.3 | 426.3 | 425.9 | 425.5 | 428.0 | 421.6 | 403.7 | 372.0 |
| G44.0 | 393.0 | 397.2 | 402.4 | 418.0 | 421.5 | 417.2 | 418.8 | 408.7 | 389.7 | 345.4 |
| G45.0 | 386.3 | 388.3 | 393.4 | 395.4 | 400.8 | 395.6 | 396.0 | 392.6 | 376.7 | 328.9 |
| G46.0 | 359.4 | 379.4 | 384.6 | 385.5 | 387.4 | 386.5 | 385.5 | 379.1 | 359.5 | 322.2 |
| G47.0 | 291.0 | 332.8 | 367.1 | 375.5 | 377.2 | 376.5 | 377.5 | 364.2 | 320.4 | 286.4 |
| G48.0 | 198.5 | 244.0 | 302.3 | 326.9 | 337.6 | 326.1 | 355.0 | 306.7 | 243.7 | 219.0 |
| G49.0 | 112.6 | 158.7 | 217.0 | 247.3 | 262.8 | 247.2 | 289.6 | 231.0 | 160.5 | 149.8 |
| G50.0 | 51.9 | 78.9 | 133.5 | 163.2 | 181.7 | 162.4 | 207.8 | 153.0 | 92.0 | 84.6 |
| G51.0 | 32.5 | 34.5 | 57.8 | 79.4 | 94.3 | 78.8 | 117.6 | 73.5 | 46.8 | 45.4 |
| G52.0 | 26.1 | 28.5 | 32.5 | 35.9 | 44.2 | 35.2 | 52.6 | 37.0 | 36.0 | 38.8 |
| G53.0 | 20.9 | 21.9 | 26.9 | 28.5 | 33.1 | 28.8 | 31.6 | 31.0 | 28.8 | 32.4 |
| G54.0 | 18.9 | 18.3 | 21.1 | 22.9 | 27.0 | 23.4 | 26.8 | 25.4 | 24.0 | 27.1 |
| G55.0 | 18.8 | 17.6 | 18.3 | 19.1 | 22.6 | 19.7 | 22.2 | 21.7 | 22.3 | 25.6 |
| G56.0 | 18.1 | 17.3 | 17.8 | 18.2 | 20.8 | 18.7 | 19.3 | 20.4 | 21.2 | 24.1 |
| G57.0 | 17.0 | 16.9 | 17.8 | 17.8 | 20.0 | 18.0 | 18.8 | 19.4 | 19.7 | 22.3 |
| G58.0 | 15.9 | 15.8 | 16.8 | 17.0 | 19.3 | 17.4 | 17.9 | 18.0 | 18.2 | 20.2 |
| G59.0 | 15.4 | 15.0 | 15.0 | 15.2 | 17.6 | 15.7 | 16.2 | 16.5 | 17.2 | 18.7 |
| G60.0 | 14.7 | 14.5 | 14.3 | 14.3 | 16.5 | 15.0 | 15.3 | 15.6 | 16.3 | 17.7 |
| G61.0 | 13.8 | 13.8 | 13.6 | 13.6 | 15.7 | 14.2 | 14.4 | 14.6 | 15.1 | 16.4 |
| G62.0 | 12.5 | 12.8 | 12.6 | 12.9 | 14.9 | 13.3 | 13.6 | 13.4 | 14.1 | 14.9 |
| G63.0 | 11.3 | 11.4 | 11.6 | 12.2 | 14.0 | 12.5 | 12.6 | 12.4 | 12.6 | 13.5 |
| G64.0 | 9.9 | 10.3 | 10.4 | 11.0 | 12.5 | 11.2 | 11.5 | 11.3 | 11.6 | 12.4 |
| G65.0 | 9.0 | 9.0 | 9.6 | 10.3 | 11.7 | 10.4 | 10.7 | 10.3 | 10.4 | 11.0 |
| G66.0 | 8.2 | 8.2 | 8.6 | 9.2 | 10.4 | 9.2 | 10.0 | 9.3 | 9.6 | 10.1 |
| G67.0 | 7.4 | 7.5 | 7.9 | 8.4 | 9.2 | 8.4 | 9.0 | 8.7 | 8.9 | 9.3 |
| G68.0 | 6.8 | 6.7 | 7.2 | 7.7 | 8.4 | 7.8 | 8.4 | 8.1 | 7.9 | 8.2 |
| G69.0 | 6.3 | 6.0 | 6.4 | 6.8 | 7.5 | 6.8 | 7.7 | 7.4 | 7.2 | 7.6 |
| G70.0 | 5.6 | 5.5 | 5.9 | 6.2 | 6.8 | 6.2 | 6.9 | 6.9 | 6.6 | 7.0 |
| G71.0 | 4.9 | 4.7 | 5.4 | 5.7 | 6.3 | 5.8 | 6.3 | 6.3 | 5.9 | 6.2 |
| G72.0 | 4.5 | 4.4 | 4.7 | 4.8 | 5.6 | 4.9 | 5.8 | 5.4 | 5.2 | 5.6 |
| G73.0 | 4.0 | 4.1 | 4.4 | 4.3 | 5.1 | 4.4 | 5.1 | 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 | 3.3 | 3.4 | 4.0 | 3.9 | 4.5 | 3.9 | 4.5 | 4.5 | 4.2 | 4.2 |
| G75.0 | 2.9 | 3.0 | 3.2 | 3.4 | 4.0 | 3.4 | 4.1 | 3.7 | 3.3 | 3.5 |
| G76.0 | 2.6 | 2.8 | 2.9 | 2.9 | 3.0 | 2.8 | 3.3 | 3.1 | 3.0 | 3.0 |
| G77.0 | 1.8 | 2.2 | 2.5 | 2.5 | 2.6 | 2.4 | 2.7 | 2.8 | 2.5 | 2.7 |
| G78.0 | 1.2 | 1.4 | 1.8 | 2.1 | 2.4 | 2.1 | 2.4 | 2.1 | 1.6 | 1.9 |
| G79.0 | 0.9 | 1.0 | 1.2 | 1.4 | 1.6 | 1.5 | 1.9 | 1.5 | 1.2 | 1.4 |
| G80.0 | 0.2 | 0.7 | 0.8 | 0.9 | 1.1 | 1.0 | 1.3 | 1.0 | 0.9 | 0.8 |
| G81.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.8 | 0.7 | 0.9 | 0.7 | 0.4 | 0.1 |
| G82.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.5 | 0.1 | 0.0 | 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 |

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 | 1416.2 | 1413.4 | 1409.7 | | | | | | | |
| G1.0 | 1414.0 | 1412.7 | 1407.7 | | | | | | | |
| G2.0 | 1412.4 | 1411.1 | 1408.8 | | | | | | | |
| G3.0 | 1416.1 | 1413.2 | 1413.3 | | | | | | | |
| G4.0 | 1419.4 | 1418.1 | 1419.9 | | | | | | | |
| G5.0 | 1422.4 | 1421.7 | 1426.6 | | | | | | | |
| G6.0 | 1427.1 | 1424.1 | 1428.2 | | | | | | | |
| G7.0 | 1432.4 | 1427.8 | 1426.7 | | | | | | | |
| G8.0 | 1431.7 | 1423.5 | 1416.9 | | | | | | | |
| G9.0 | 1419.6 | 1409.7 | 1392.2 | | | | | | | |
| G10.0 | 1394.7 | 1385.2 | 1361.7 | | | | | | | |
| G11.0 | 1354.1 | 1346.7 | 1318.5 | | | | | | | |
| G12.0 | 1308.7 | 1300.7 | 1271.9 | | | | | | | |
| G13.0 | 1251.1 | 1243.5 | 1218.0 | | | | | | | |
| G14.0 | 1186.9 | 1179.5 | 1153.6 | | | | | | | |
| G15.0 | 1121.4 | 1119.0 | 1095.5 | | | | | | | |
| G16.0 | 1053.4 | 1063.4 | 1038.8 | | | | | | | |
| G17.0 | 989.8 | 1001.8 | 976.9 | | | | | | | |
| G18.0 | 933.3 | 947.5 | 925.9 | | | | | | | |
| G19.0 | 876.8 | 890.1 | 872.0 | | | | | | | |
| G20.0 | 829.0 | 836.5 | 827.2 | | | | | | | |
| G21.0 | 788.6 | 790.6 | 782.8 | | | | | | | |
| G22.0 | 748.2 | 746.6 | 743.2 | | | | | | | |
| G23.0 | 718.8 | 714.4 | 716.6 | | | | | | | |
| G24.0 | 692.6 | 688.3 | 689.1 | | | | | | | |
| G25.0 | 671.3 | 666.4 | 659.1 | | | | | | | |
| G26.0 | 645.4 | 644.2 | 637.7 | | | | | | | |
| G27.0 | 621.6 | 620.9 | 609.3 | | | | | | | |
| G28.0 | 597.1 | 599.3 | 591.4 | | | | | | | |
| G29.0 | 576.2 | 581.3 | 571.3 | | | | | | | |
| G30.0 | 555.8 | 562.3 | 552.8 | | | | | | | |
| G31.0 | 539.3 | 546.7 | 534.3 | | | | | | | |
| G32.0 | 520.6 | 525.4 | 518.5 | | | | | | | |
| G33.0 | 504.8 | 512.5 | 500.5 | | | | | | | |
| G34.0 | 490.6 | 497.7 | 488.3 | | | | | | | |
| G35.0 | 477.2 | 485.5 | 473.2 | | | | | | | |
| G36.0 | 468.0 | 474.0 | 462.1 | | | | | | | |

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 (Continue 4)

Unit: cd

| G\C | C300.0 | C330.0 | C360.0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| G37.0 | 458.5 | 463.9 | 449.3 | | | | | | | |
| G38.0 | 452.2 | 453.7 | 439.2 | | | | | | | |
| G39.0 | 449.3 | 448.9 | 430.9 | | | | | | | |
| G40.0 | 445.4 | 445.1 | 423.9 | | | | | | | |
| G41.0 | 436.7 | 436.4 | 419.6 | | | | | | | |
| G42.0 | 424.4 | 426.3 | 416.4 | | | | | | | |
| G43.0 | 401.1 | 403.6 | 398.5 | | | | | | | |
| G44.0 | 387.0 | 387.8 | 393.0 | | | | | | | |
| G45.0 | 373.6 | 379.9 | 386.3 | | | | | | | |
| G46.0 | 353.1 | 371.0 | 359.4 | | | | | | | |
| G47.0 | 295.2 | 325.7 | 291.0 | | | | | | | |
| G48.0 | 206.7 | 245.0 | 198.5 | | | | | | | |
| G49.0 | 130.3 | 155.5 | 112.6 | | | | | | | |
| G50.0 | 67.8 | 82.1 | 51.9 | | | | | | | |
| G51.0 | 38.0 | 36.8 | 32.5 | | | | | | | |
| G52.0 | 31.1 | 30.1 | 26.1 | | | | | | | |
| G53.0 | 24.7 | 24.1 | 20.9 | | | | | | | |
| G54.0 | 21.9 | 20.2 | 18.9 | | | | | | | |
| G55.0 | 21.2 | 19.7 | 18.8 | | | | | | | |
| G56.0 | 20.7 | 19.5 | 18.1 | | | | | | | |
| G57.0 | 19.1 | 18.3 | 17.0 | | | | | | | |
| G58.0 | 17.5 | 16.8 | 15.9 | | | | | | | |
| G59.0 | 16.7 | 16.0 | 15.4 | | | | | | | |
| G60.0 | 15.5 | 15.2 | 14.7 | | | | | | | |
| G61.0 | 14.3 | 14.4 | 13.8 | | | | | | | |
| G62.0 | 13.1 | 13.3 | 12.5 | | | | | | | |
| G63.0 | 11.9 | 12.2 | 11.3 | | | | | | | |
| G64.0 | 10.8 | 11.2 | 9.9 | | | | | | | |
| G65.0 | 9.8 | 9.9 | 9.0 | | | | | | | |
| G66.0 | 9.2 | 9.1 | 8.2 | | | | | | | |
| G67.0 | 8.4 | 8.3 | 7.4 | | | | | | | |
| G68.0 | 7.6 | 7.2 | 6.8 | | | | | | | |
| G69.0 | 7.0 | 6.8 | 6.3 | | | | | | | |
| G70.0 | 6.3 | 6.2 | 5.6 | | | | | | | |
| G71.0 | 5.5 | 5.3 | 4.9 | | | | | | | |
| G72.0 | 5.0 | 4.8 | 4.5 | | | | | | | |
| G73.0 | 4.4 | 4.5 | 4.0 | | | | | | | |

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 | 3.3 | | | | | | | |
| G75.0 | 3.2 | 3.3 | 2.9 | | | | | | | |
| G76.0 | 2.6 | 2.9 | 2.6 | | | | | | | |
| G77.0 | 2.0 | 2.3 | 1.8 | | | | | | | |
| G78.0 | 1.5 | 1.5 | 1.2 | | | | | | | |
| G79.0 | 1.1 | 1.1 | 0.9 | | | | | | | |
| G80.0 | 0.6 | 0.6 | 0.2 | | | | | | | |
| G81.0 | 0.0 | 0.0 | 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: