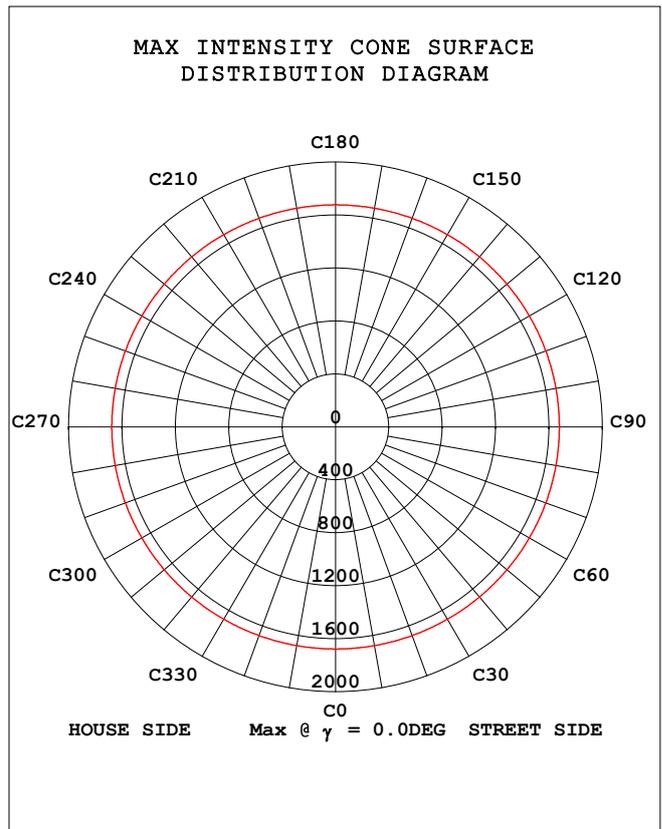
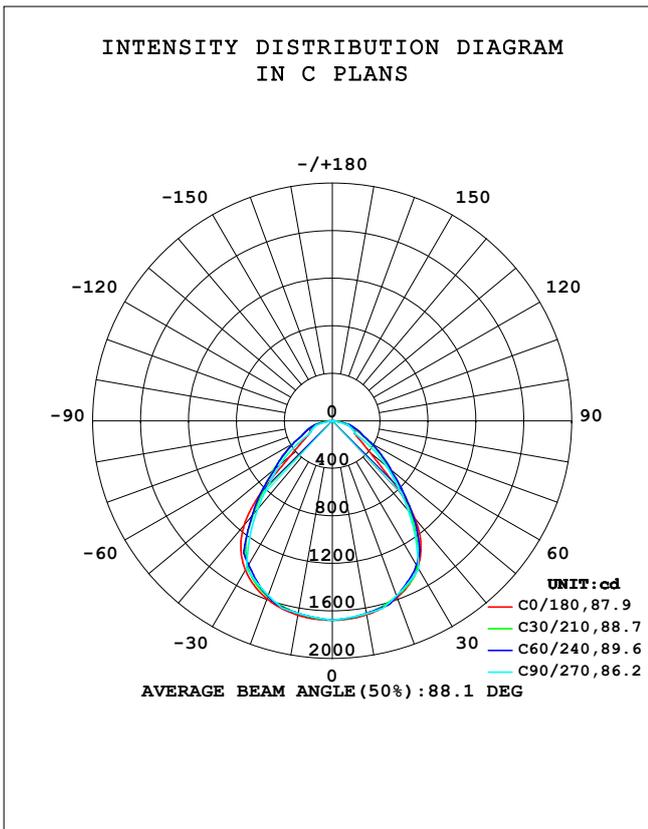


STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 89.27 lm/W | | | |
|-------------------|---------|----------------------------------|-------|-------------------|---------|
| MODEL | SKB240 | I _{max} (cd) | 1677 | η street_up (%) | 0.0 |
| NOMINAL POWER (W) | 240 | LOR (%) | 100.0 | η street_down (%) | 50.1 |
| RATED VOLTAGE (V) | 120 | TOTAL FLUX (lm) | 3535 | η house_up (%) | 0.0 |
| NOMINAL FLUX (lm) | 3534.53 | MAXIMUM @ (C, γ) | 0,0.0 | η house_down (%) | 49.9 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | 76 FLASHAREA (m2) | 0.00100 |
| TEST VOLTAGE (V) | 120.0 | η down (%) | 100.0 | SLI | 17.692 |

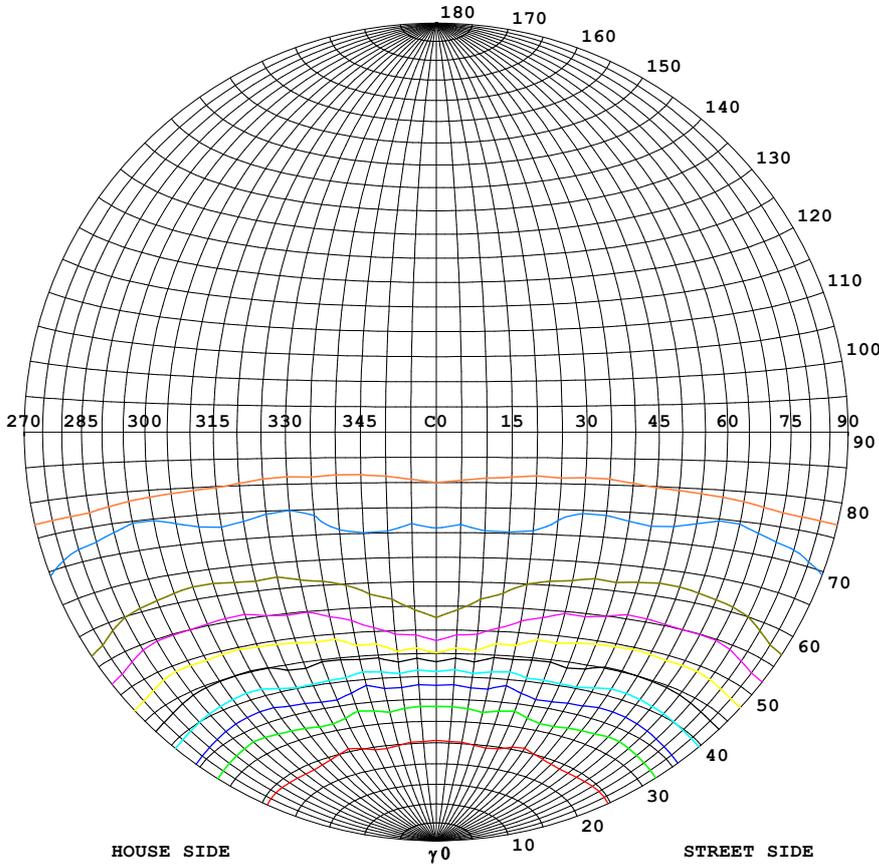


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:倪娟
Test Date:2021-11-25

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.060m [K=1.0000]
Remarks: 21110326-113

STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



Classification:

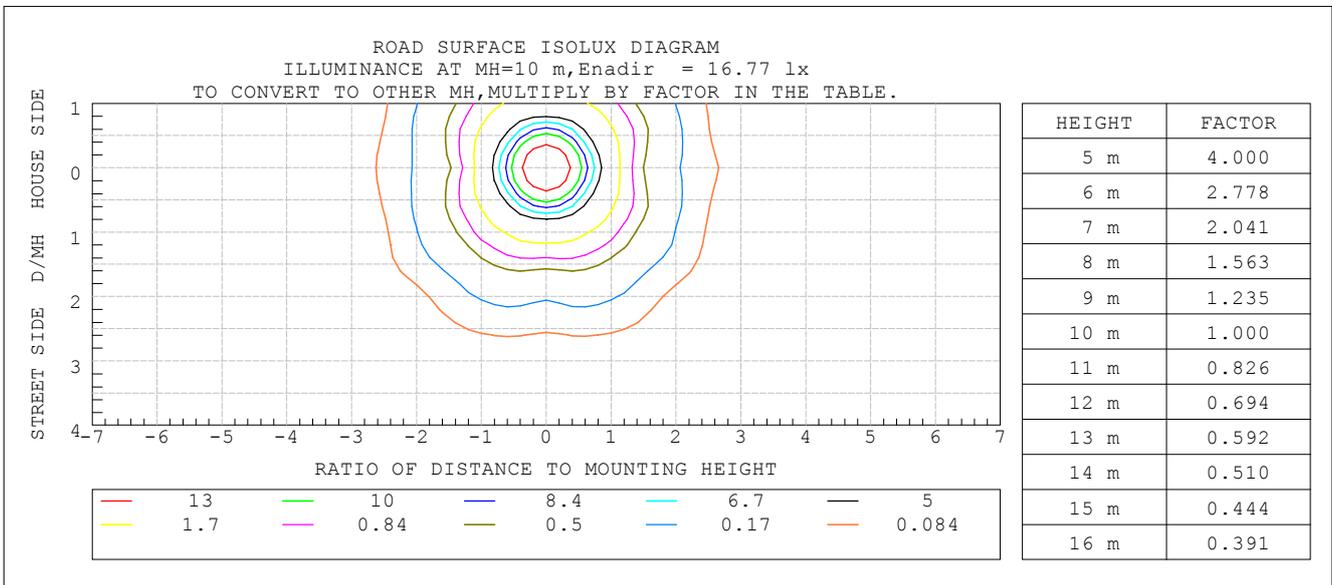
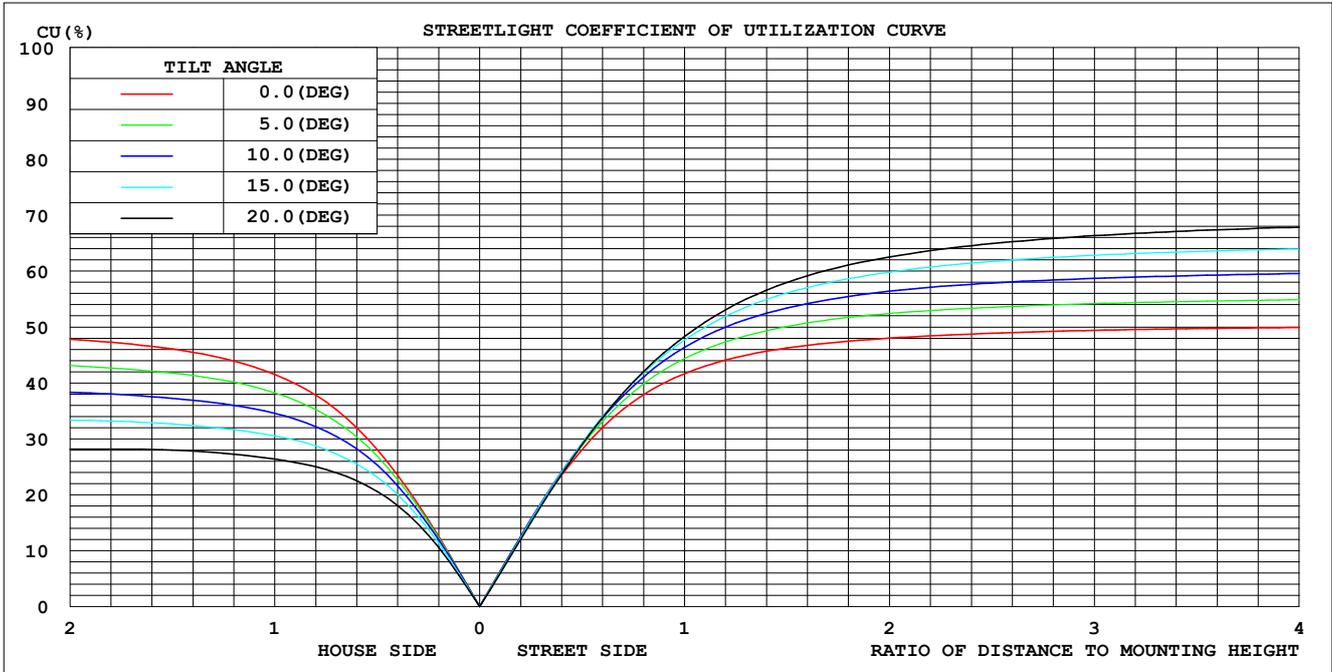
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:28.97cd/klm
 Max.At90:0.7392cd/klm
 Max.80-90:28.97cd/klm

| ISOCANDELA DIAGRAM | |
|--------------------|------|
| UNIT | cd |
| Imax=100% | 1677 |
| 90% | 1509 |
| 80% | 1342 |
| 70% | 1174 |
| 60% | 1006 |
| 50% | 839 |
| 40% | 671 |
| 30% | 503 |
| 20% | 335 |
| 10% | 168 |
| 5% | 84 |

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:倪娟
 Test Date:2021-11-25

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.060m [K=1.0000]
 Remarks: 21110326-113

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:倪娟
Test Date:2021-11-25

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.060m [K=1.0000]
Remarks: 21110326-113

ZONAL FLUX DIAGRAM

| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

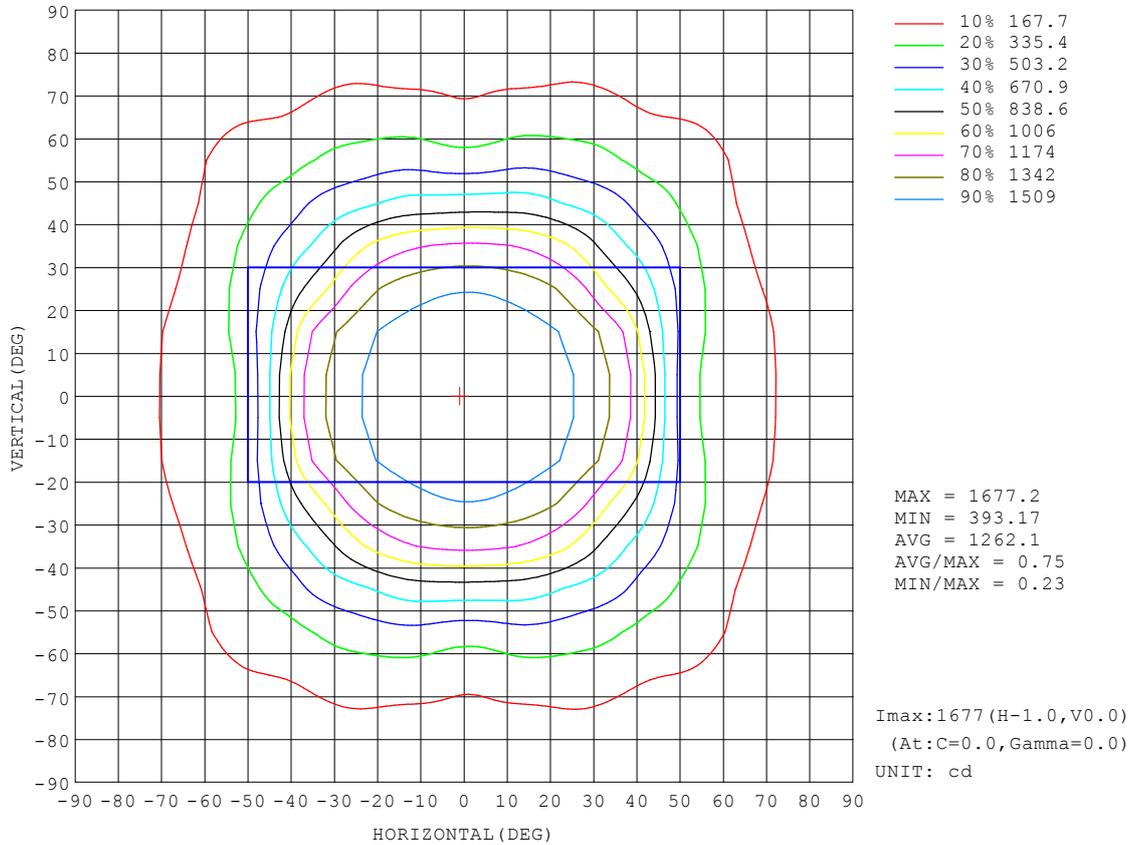
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10 | 1656 | 1645 | 1647 | 1645 | 1660 | 1644 | 1645 | 1644 | 0- 10 | 158.4 | 158.4 | 4.48,4.48 |
| 20 | 1583 | 1587 | 1568 | 1583 | 1594 | 1580 | 1564 | 1583 | 10- 20 | 457.5 | 615.8 | 17.4,17.4 |
| 30 | 1426 | 1387 | 1442 | 1393 | 1451 | 1390 | 1434 | 1384 | 20- 30 | 692.0 | 1308 | 37,37 |
| 40 | 1073 | 1040 | 989.7 | 1084 | 1147 | 1073 | 972.3 | 1037 | 30- 40 | 779.0 | 2087 | 59,59 |
| 50 | 409.1 | 650.6 | 584.7 | 681.8 | 460.6 | 663.7 | 568.4 | 648.6 | 40- 50 | 621.9 | 2709 | 76.6,76.6 |
| 60 | 220.1 | 380.0 | 226.8 | 397.5 | 227.0 | 392.3 | 222.6 | 379.9 | 50- 60 | 409.8 | 3118 | 88.2,88.2 |
| 70 | 176.7 | 193.8 | 164.7 | 192.3 | 187.5 | 189.3 | 164.0 | 192.0 | 60- 70 | 251.1 | 3370 | 95.3,95.3 |
| 80 | 82.78 | 78.68 | 0 | 77.60 | 93.79 | 73.82 | 0 | 77.69 | 70- 80 | 145.8 | 3515 | 99.5,99.5 |
| 90 | 0.2004 | 0 | 0 | 0 | 2.613 | 0 | 0 | 0 | 80- 90 | 19.13 | 3535 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | UNIT:lm | | | |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:倪娟
Test Date:2021-11-25

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.060m [K=1.0000]
Remarks: 21110326-113

ISOCANDELA DIAGRAM

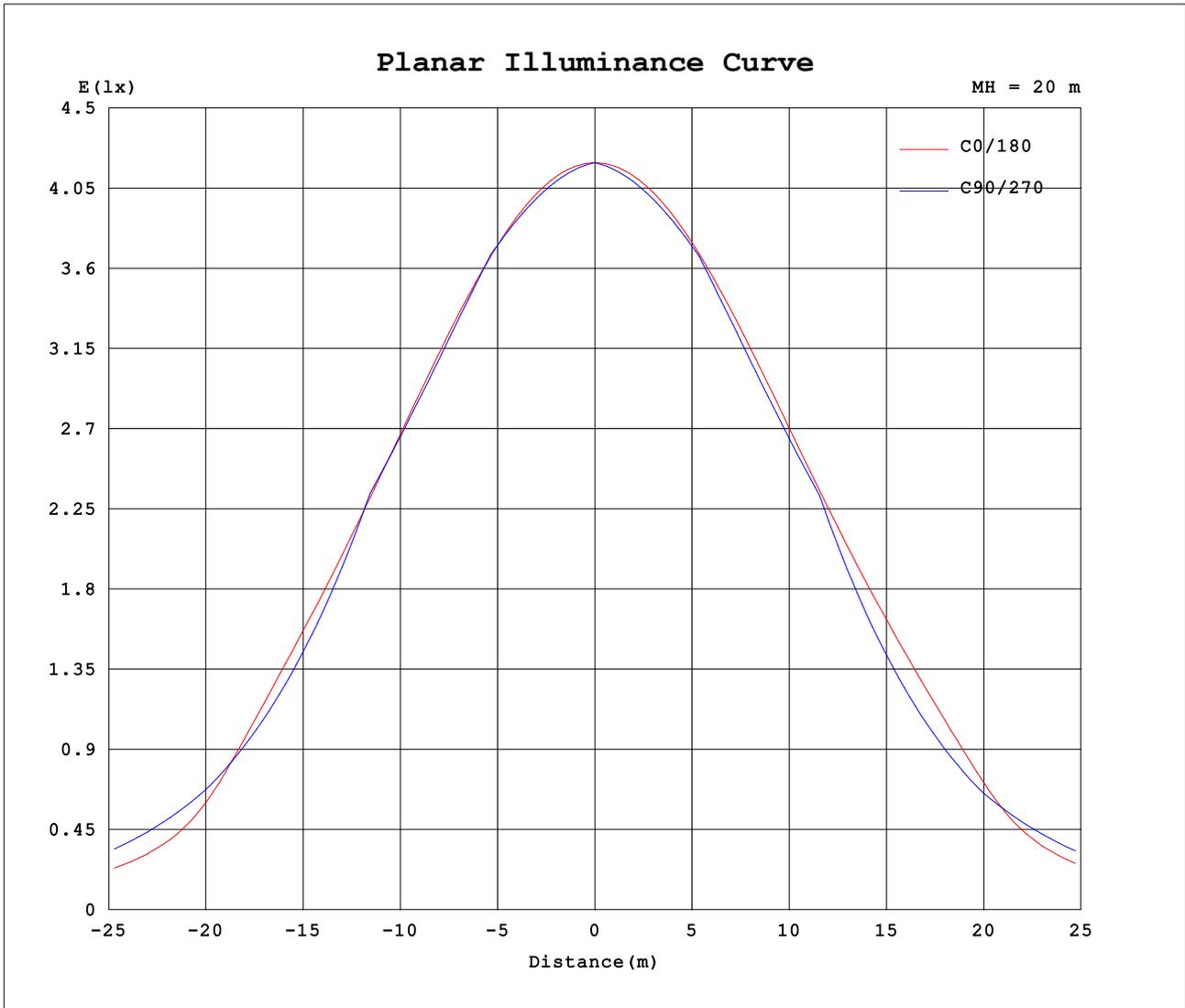
| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:倪娟
 Test Date:2021-11-25

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.060m [K=1.0000]
 Remarks: 21110326-113

Planar Illuminance Curve



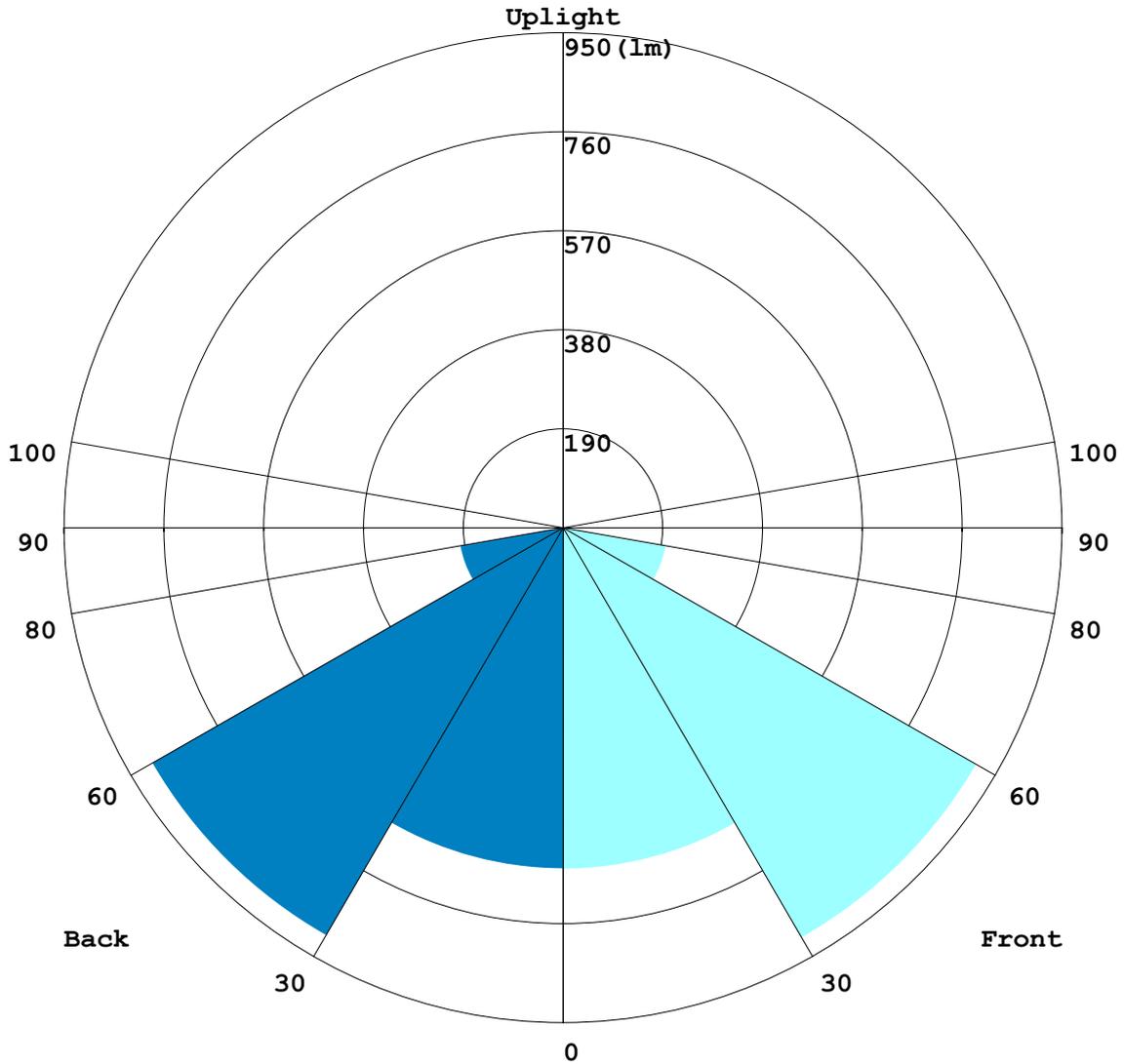
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:倪娟
 Test Date:2021-11-25

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:8.060m [K=1.0000]
 Remarks: 21110326-113

LCS REPORT

| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:倪娟
Test Date:2021-11-25

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.060m [K=1.0000]
Remarks: 21110326-113

BUG REPORT

| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|-------------|-------------|
| FL - Front-Low(0-30) | 654.39 | 18.5 |
| FM - Front-Medium(30-60) | 907.97 | 25.7 |
| FH - Front-High(60-80) | 198.51 | 5.6 |
| FVH - Front-Very High(80-90) | 9.1724 | 0.3 |
| Total Forward Light | 1770 | 50.1 |

| | | |
|-----------------------------|---------------|-------------|
| BL - Back-Low(0-30) | 653.43 | 18.5 |
| BM - Back-Medium(30-60) | 902.71 | 25.5 |
| BH - Back-High(60-80) | 198.4 | 5.6 |
| BVH - Back-Very High(80-90) | 9.9529 | 0.3 |
| Total Back Light | 1764.5 | 49.9 |

| | | |
|----------------------------|----------|------------|
| UL - Uplight-Low(90-100) | 0 | 0.0 |
| UH - Uplight-High(100-180) | 0 | 0.0 |
| Total Up Light | 0 | 0.0 |

| | |
|----------------------------------|-----------------|
| BUG(Back,Up,Glare) Rating | B2-U0-G0 |
|----------------------------------|-----------------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|-----------------|---------------|--------------|
| House Side | 1764.5 | 0 | 1764.5 |
| Street Side | 1770 | 0 | 1770 |

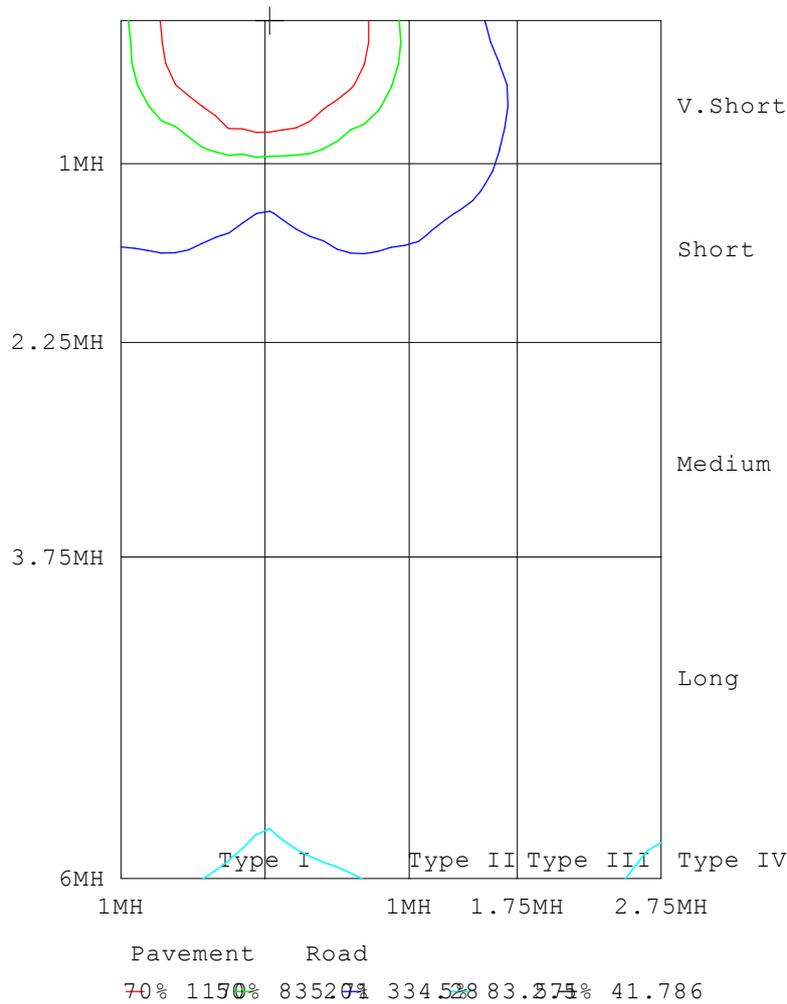
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:倪娟
Test Date:2021-11-25

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.060m [K=1.0000]
Remarks: 21110326-113

ROAD ISOCANDELA REPORT

| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:倪娟
Test Date:2021-11-25

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.060m [K=1.0000]
Remarks: 21110326-113

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 |
| 5 | 1662 | 1662 | 1662 | 1662 | 1662 | 1662 | 1663 | 1663 | 1664 | 1664 | 1665 | 1666 | 1667 | 1668 | 1669 | 1671 | 1672 | 1673 | 1672 |
| 10 | 1647 | 1647 | 1647 | 1647 | 1646 | 1646 | 1646 | 1645 | 1645 | 1645 | 1645 | 1645 | 1646 | 1648 | 1651 | 1653 | 1657 | 1660 | 1656 |
| 15 | 1631 | 1630 | 1629 | 1627 | 1626 | 1624 | 1622 | 1621 | 1621 | 1620 | 1619 | 1617 | 1616 | 1615 | 1618 | 1623 | 1628 | 1635 | 1628 |
| 20 | 1569 | 1569 | 1570 | 1570 | 1572 | 1574 | 1577 | 1581 | 1583 | 1580 | 1579 | 1579 | 1576 | 1572 | 1570 | 1575 | 1584 | 1594 | 1583 |
| 25 | 1504 | 1501 | 1499 | 1496 | 1495 | 1495 | 1498 | 1502 | 1505 | 1510 | 1518 | 1514 | 1514 | 1512 | 1506 | 1504 | 1518 | 1535 | 1518 |
| 30 | 1441 | 1438 | 1432 | 1424 | 1414 | 1404 | 1394 | 1390 | 1393 | 1402 | 1407 | 1415 | 1420 | 1423 | 1419 | 1411 | 1425 | 1451 | 1425 |
| 35 | 1217 | 1223 | 1233 | 1247 | 1262 | 1280 | 1296 | 1273 | 1249 | 1234 | 1244 | 1265 | 1280 | 1292 | 1302 | 1285 | 1291 | 1331 | 1291 |
| 40 | 994 | 1004 | 1018 | 1033 | 1045 | 1054 | 1062 | 1076 | 1084 | 1054 | 1024 | 1046 | 1089 | 1097 | 1103 | 1098 | 1078 | 1147 | 1074 |
| 45 | 769 | 783 | 801 | 819 | 834 | 848 | 858 | 856 | 839 | 832 | 826 | 823 | 843 | 851 | 797 | 816 | 721 | 809 | 719 |
| 50 | 592 | 612 | 635 | 648 | 648 | 641 | 649 | 672 | 682 | 660 | 641 | 654 | 621 | 594 | 538 | 503 | 447 | 461 | 451 |
| 55 | 421 | 454 | 485 | 501 | 508 | 513 | 520 | 526 | 523 | 513 | 507 | 480 | 483 | 432 | 406 | 351 | 318 | 306 | 324 |
| 60 | 242 | 288 | 334 | 358 | 370 | 381 | 391 | 396 | 397 | 381 | 372 | 374 | 350 | 353 | 294 | 269 | 246 | 227 | 251 |
| 65 | 210 | 239 | 261 | 272 | 277 | 281 | 277 | 269 | 269 | 279 | 288 | 267 | 253 | 236 | 231 | 216 | 208 | 202 | 208 |
| 70 | 170 | 185 | 198 | 208 | 218 | 222 | 211 | 195 | 192 | 202 | 212 | 205 | 191 | 171 | 164 | 168 | 179 | 188 | 176 |
| 75 | 134 | 133 | 135 | 147 | 161 | 164 | 158 | 149 | 143 | 148 | 154 | 161 | 150 | 134 | 131 | 133 | 134 | 138 | 135 |
| 80 | 1.00 | 3.94 | 8.93 | 17.3 | 29.5 | 42.0 | 54.6 | 66.3 | 77.6 | 91.9 | 96.2 | 99.2 | 96.0 | 99.5 | 94.7 | 87.4 | 83.5 | 93.8 | 91.3 |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.5 | 38.0 | 43.2 | 36.9 | 28.4 | 50.5 | 45.8 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:倪娟
Test Date:2021-11-25

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.060m [K=1.0000]
Remarks: 21110326-113

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|-------------|------------------|
| Test:U:229.50V I:0.1793A P:39.594W PF:0.9623 Freq:49.99Hz Lamp Flux:3534.53x1 lm | | |
| NAME: | TYPE:LED面板灯 | WEIGHT: |
| SPEC.:620*620-42W | DIM.: | SERIAL No.: |
| MFR.: | SUR.: | Shielding Angle: |

Table--3

UNIT: cd

| C (DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 | 1677 |
| 5 | 1670 | 1669 | 1668 | 1666 | 1665 | 1665 | 1664 | 1663 | 1662 | 1662 | 1662 | 1661 | 1661 | 1661 | 1661 | 1661 | 1661 | 1661 | 1661 |
| 10 | 1653 | 1650 | 1648 | 1645 | 1644 | 1644 | 1643 | 1644 | 1644 | 1644 | 1644 | 1645 | 1645 | 1645 | 1645 | 1645 | 1645 | 1645 | 1644 |
| 15 | 1622 | 1617 | 1614 | 1615 | 1616 | 1617 | 1619 | 1619 | 1619 | 1620 | 1622 | 1623 | 1625 | 1626 | 1627 | 1628 | 1629 | 1629 | 1628 |
| 20 | 1574 | 1569 | 1571 | 1574 | 1577 | 1577 | 1578 | 1580 | 1579 | 1574 | 1571 | 1568 | 1567 | 1566 | 1565 | 1565 | 1564 | 1563 | 1563 |
| 25 | 1503 | 1505 | 1510 | 1512 | 1512 | 1515 | 1507 | 1502 | 1499 | 1494 | 1491 | 1490 | 1492 | 1494 | 1496 | 1498 | 1499 | 1499 | 1498 |
| 30 | 1410 | 1418 | 1421 | 1417 | 1412 | 1403 | 1399 | 1390 | 1387 | 1390 | 1400 | 1409 | 1418 | 1425 | 1431 | 1434 | 1434 | 1431 | 1426 |
| 35 | 1284 | 1301 | 1291 | 1276 | 1258 | 1236 | 1226 | 1244 | 1270 | 1292 | 1274 | 1253 | 1235 | 1219 | 1209 | 1204 | 1203 | 1207 | 1214 |
| 40 | 1093 | 1097 | 1090 | 1079 | 1030 | 1004 | 1037 | 1073 | 1068 | 1054 | 1043 | 1030 | 1013 | 994 | 981 | 974 | 972 | 976 | 987 |
| 45 | 806 | 782 | 836 | 830 | 805 | 798 | 806 | 819 | 843 | 846 | 833 | 814 | 793 | 769 | 750 | 740 | 740 | 748 | 764 |
| 50 | 510 | 545 | 596 | 618 | 643 | 627 | 642 | 664 | 658 | 635 | 625 | 628 | 625 | 607 | 585 | 571 | 568 | 580 | 602 |
| 55 | 361 | 414 | 439 | 489 | 483 | 502 | 506 | 514 | 515 | 507 | 498 | 492 | 484 | 466 | 434 | 405 | 394 | 409 | 443 |
| 60 | 277 | 300 | 355 | 353 | 377 | 372 | 377 | 392 | 390 | 383 | 370 | 358 | 347 | 322 | 276 | 234 | 223 | 249 | 296 |
| 65 | 217 | 234 | 240 | 258 | 271 | 289 | 276 | 266 | 268 | 273 | 272 | 269 | 264 | 253 | 231 | 204 | 193 | 206 | 235 |
| 70 | 164 | 164 | 176 | 199 | 212 | 214 | 199 | 189 | 194 | 210 | 218 | 213 | 203 | 194 | 181 | 168 | 164 | 174 | 187 |
| 75 | 133 | 129 | 139 | 160 | 169 | 157 | 145 | 140 | 148 | 157 | 164 | 161 | 146 | 134 | 133 | 135 | 135 | 136 | 135 |
| 80 | 98.3 | 99.3 | 101 | 101 | 102 | 95.2 | 87.6 | 73.8 | 65.3 | 54.2 | 42.6 | 29.7 | 17.2 | 8.87 | 3.94 | 1.00 | 0.00 | 1.02 | 4.01 |
| 85 | 47.3 | 47.4 | 39.2 | 18.6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:倪娟
Test Date:2021-11-25

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:8.060m [K=1.0000]
Remarks: 21110326-113

