

LUMINAIRE PHOTOMETRIC TEST REPORT

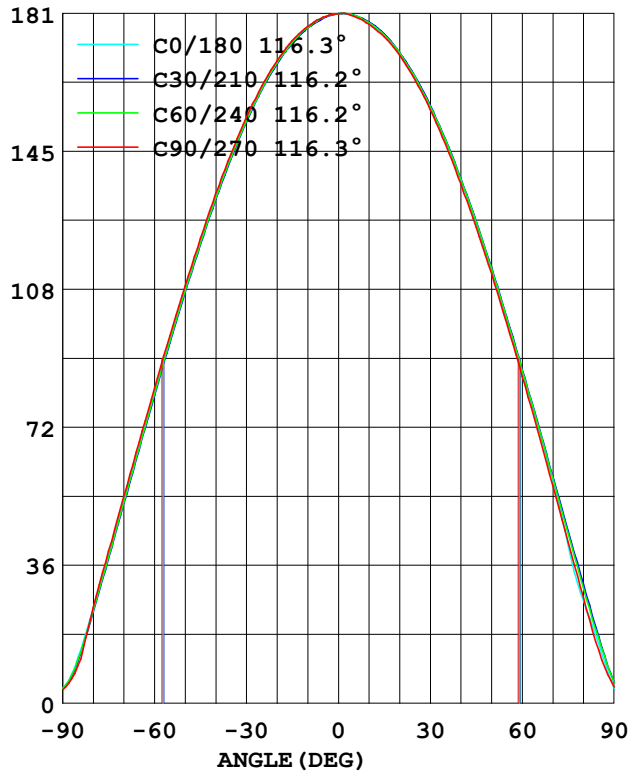
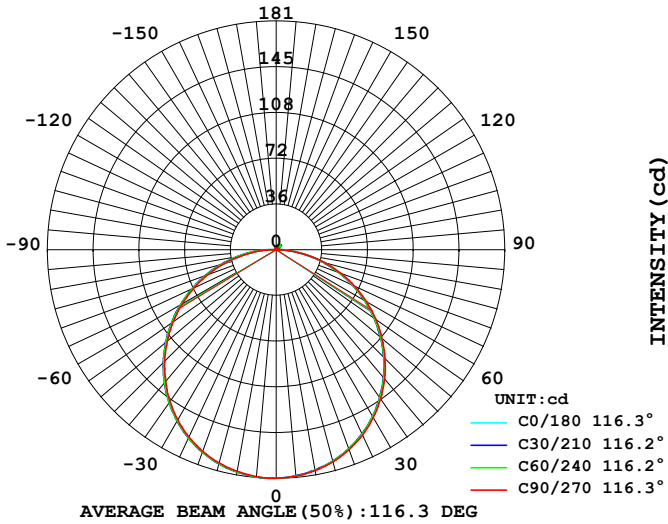
Report number:

| | | | |
|---------------------------------------|-------------|------------|--------------|
| MANUFACTURER: RP Lighting + Fans | | | |
| Address: | | | |
| NAME: 1021-ES,1022-ES,1023-ES,1024-ES | | TYPE: | WEIGHT: |
| SPECIFICATION: | CCT (K) : 0 | DIMENSION: | SERIAL No. : |

| | | | | | |
|-------------------|-------------------------------------|---------------------|--------|-------------------|-------|
| DATA OF LAMP | | Imax (cd) | 248.9 | S/MH (C0/180) | 1.26 |
| MODEL | 1021-ES,1022-ES, 1023-ES,1024-ES | EFFICIENCY (%) | 100.0 | S/MH (C90/270) | 1.26 |
| NOMINAL POWER (W) | 16 | TOTAL FLUX (lm) | 781.80 | Voltage (V) | 120.0 |
| RATED VOLTAGE (V) | 120 | EFFICIENCY (lm/W) | 50 | Current (A) | 0.130 |
| NOMINAL FLUX (lm) | 781.8 | η up (%) | 1.6 | Power (W) | 15.62 |
| LAMPS QUANTITY | 1 | η down (%) | 98.4 | Power Factor (PF) | 0.915 |
| TEST VOLTAGE (V) | 120.0 | Effective Flux (lm) | 781.8 | EET | 0.320 |

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2022年11月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.740 m
 Remarks:

Color Temperature Data List

Report number:

| | | | |
|--------------------------------------|-------------|------------|--------------|
| MANUFACTURER:RP Lighting + Fans | | | |
| Address: | | | |
| NAME:1021-ES,1022-ES,1023-ES,1024-ES | | TYPE: | WEIGHT: |
| SPECIFICATION: | CCT (K) : 0 | DIMENSION: | SERIAL No. : |

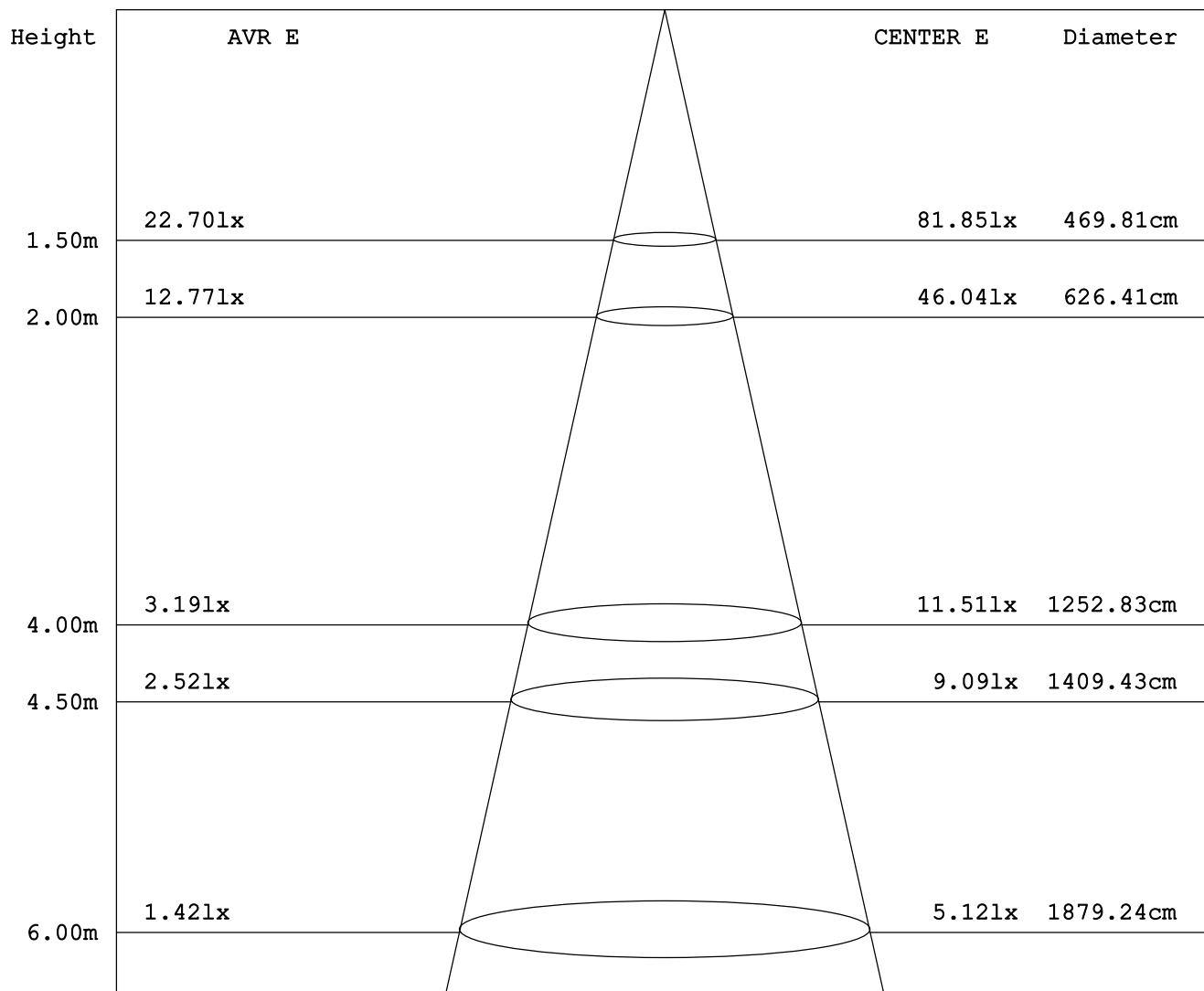
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2020年10月15日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.740 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

| | | | |
|--|-------------|------------|--------------|
| MANUFACTURER: RP Lighting + Fans | | | |
| Address: | | | |
| NAME: 1021-ES, 1022-ES, 1023-ES, 1024-ES | | TYPE: | WEIGHT: |
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Angle: 114.9deg

Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022年11月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.740 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

| | | | |
|--|-------------|------------|--------------|
| MANUFACTURER: RP Lighting + Fans | | | |
| Address: | | | |
| NAME: 1021-ES, 1022-ES, 1023-ES, 1024-ES | | TYPE: | WEIGHT: |
| SPECIFICATION: | CCT (K) : 0 | DIMENSION: | SERIAL No. : |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | zone | total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 5.0 | 247.6 | 247.1 | 247.7 | 247.6 | 248.3 | 248.9 | 248.0 | 248.3 | 0- 5 | 4.310 | 4.310 |
| 10.0 | 246.0 | 246.1 | 247.2 | 247.2 | 248.3 | 247.2 | 247.9 | 248.3 | 5- 10 | 12.79 | 17.10 |
| 15.0 | 233.1 | 233.6 | 233.6 | 233.5 | 234.8 | 236.5 | 234.5 | 235.1 | 10- 15 | 20.87 | 37.97 |
| 20.0 | 227.7 | 225.9 | 228.3 | 228.3 | 230.1 | 232.2 | 229.8 | 230.3 | 15- 20 | 28.28 | 66.26 |
| 25.0 | 211.0 | 208.4 | 211.7 | 211.4 | 213.8 | 216.3 | 213.4 | 213.8 | 20- 25 | 34.77 | 101.0 |
| 30.0 | 192.7 | 189.7 | 193.5 | 193.2 | 196.0 | 199.1 | 195.5 | 196.0 | 25- 30 | 40.10 | 241.1 |
| 35.0 | 173.3 | 169.9 | 173.9 | 173.9 | 177.2 | 180.5 | 176.4 | 176.8 | 30- 35 | 44.13 | 285.2 |
| 40.0 | 152.6 | 148.8 | 153.6 | 153.2 | 157.1 | 150.5 | 156.0 | 156.3 | 35- 40 | 46.70 | 331.9 |
| 45.0 | 131.0 | 126.7 | 131.8 | 131.4 | 135.6 | 129.6 | 134.6 | 135.2 | 40- 45 | 47.77 | 479.7 |
| 50.0 | 108.3 | 104.1 | 109.2 | 109.1 | 113.6 | 117.7 | 112.5 | 112.8 | 45- 50 | 47.31 | 527.0 |
| 55.0 | 95.31 | 90.63 | 96.33 | 95.77 | 100.4 | 104.8 | 99.55 | 99.70 | 50- 55 | 45.38 | 572.4 |
| 60.0 | 81.52 | 76.64 | 82.64 | 82.03 | 86.77 | 91.62 | 85.70 | 86.35 | 55- 60 | 42.06 | 614.5 |
| 65.0 | 67.36 | 62.88 | 68.48 | 68.22 | 72.90 | 77.63 | 71.77 | 72.31 | 60- 65 | 37.50 | 652.0 |
| 70.0 | 53.27 | 48.51 | 54.32 | 53.94 | 58.59 | 63.33 | 57.08 | 57.95 | 65- 70 | 31.89 | 683.9 |
| 75.0 | 38.89 | 34.59 | 39.94 | 40.05 | 41.43 | 49.11 | 42.23 | 43.68 | 70- 75 | 25.35 | 709.2 |
| 80.0 | 24.72 | 20.83 | 25.02 | 25.93 | 26.97 | 34.67 | 27.70 | 29.24 | 75- 80 | 18.09 | 727.3 |
| 85.0 | 11.83 | 8.211 | 9.794 | 12.50 | 15.43 | 20.60 | 13.85 | 15.58 | 80- 85 | 10.82 | 738.1 |
| 90.0 | 4.046 | 1.748 | 3.596 | 2.855 | 3.896 | 8.440 | 4.208 | 5.556 | 85- 90 | 4.618 | 742.8 |
| 95.0 | 2.098 | 0.760 | 2.448 | 0.849 | 0.899 | 3.345 | 0.612 | 2.855 | 90- 95 | 1.492 | 774.3 |
| 100.0 | 1.648 | 0.380 | 1.683 | 0.617 | 0.225 | 2.357 | 0 | 2.238 | 95-100 | 0.764 | 775.0 |
| 105.0 | 1.273 | 0.152 | 1.300 | 0.232 | 0.150 | 1.748 | 0 | 1.543 | 100-105 | 0.520 | 775.5 |
| 110.0 | 1.198 | 0.304 | 1.377 | 0.154 | 0.075 | 1.368 | 0 | 1.543 | 105-110 | 0.379 | 775.9 |
| 115.0 | 1.498 | 0.456 | 1.453 | 0.154 | 0.150 | 1.216 | 0 | 1.543 | 110-115 | 0.385 | 776.3 |
| 120.0 | 1.648 | 1.216 | 1.377 | 0.386 | 0.375 | 1.596 | 0.077 | 1.543 | 115-120 | 0.433 | 776.7 |
| 125.0 | 1.798 | 1.900 | 1.530 | 0.540 | 0.375 | 0.988 | 0.230 | 1.466 | 120-125 | 0.489 | 777.2 |
| 130.0 | 1.873 | 3.117 | 1.606 | 1.620 | 0.450 | 1.444 | 0.306 | 2.160 | 125-130 | 0.627 | 777.8 |
| 135.0 | 1.873 | 3.497 | 1.606 | 2.623 | 0.599 | 1.520 | 1.071 | 3.009 | 130-135 | 0.788 | 778.6 |
| 140.0 | 2.173 | 4.029 | 1.606 | 3.009 | 0.824 | 1.444 | 1.530 | 1.774 | 135-140 | 0.772 | 779.4 |
| 145.0 | 2.472 | 4.258 | 2.066 | 2.546 | 0.974 | 1.292 | 1.683 | 1.697 | 140-145 | 0.671 | 780.1 |
| 150.0 | 2.697 | 4.638 | 1.377 | 2.469 | 1.049 | 0.988 | 0.689 | 2.238 | 145-150 | 0.591 | 780.7 |
| 155.0 | 1.723 | 3.649 | 0.995 | 1.543 | 1.798 | 0.912 | 0.383 | 2.006 | 150-155 | 0.466 | 781.1 |
| 160.0 | 1.049 | 2.281 | 1.071 | 1.697 | 0.974 | 0.912 | 0.612 | 0.926 | 155-160 | 0.290 | 781.4 |
| 165.0 | 1.049 | 0.684 | 0.842 | 0.926 | 0.899 | 0.988 | 0.536 | 0.849 | 160-165 | 0.158 | 781.6 |
| 170.0 | 0.974 | 0.608 | 0.918 | 0.617 | 0.899 | 0.988 | 0.612 | 0.926 | 165-170 | 0.094 | 781.7 |
| 175.0 | 1.049 | 0.684 | 0.842 | 0.695 | 0.974 | 0.912 | 0.612 | 0.849 | 170-175 | 0.057 | 781.7 |
| 180.0 | 0.899 | 0.760 | 0.918 | 0.695 | 1.123 | 0.912 | 0.765 | 0.926 | 175-180 | 0.019 | 781.8 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2022年11月30日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 8.740 m
 Remarks:

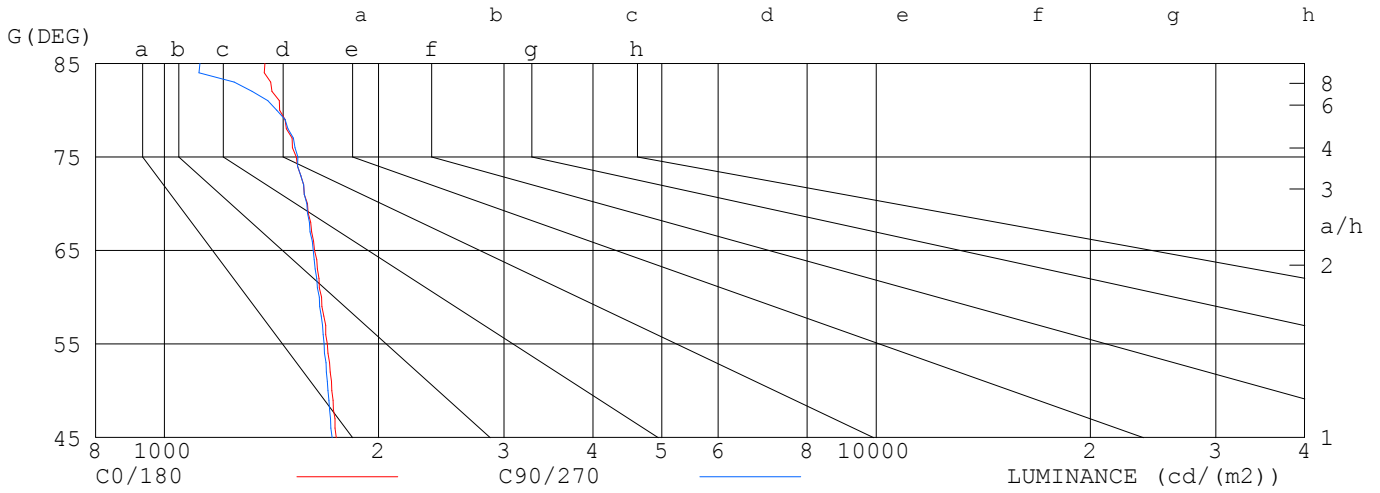
LUMINANCE LIMITATION CURVES

Report number:

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LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| | | 2000 | 1000 | 500 | <=300 | | | | |
| 1.15 | A | | | | | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |



LUMINANCE cd/m2

| G (DEG) | C0/180 | C90/270 |
|---------|--------|---------|
| 85 | 1385 | 1122 |
| 80 | 1452 | 1438 |
| 75 | 1532 | 1541 |
| 70 | 1588 | 1586 |
| 65 | 1625 | 1618 |
| 60 | 1662 | 1650 |
| 55 | 1694 | 1677 |
| 50 | 1718 | 1697 |
| 45 | 1745 | 1720 |

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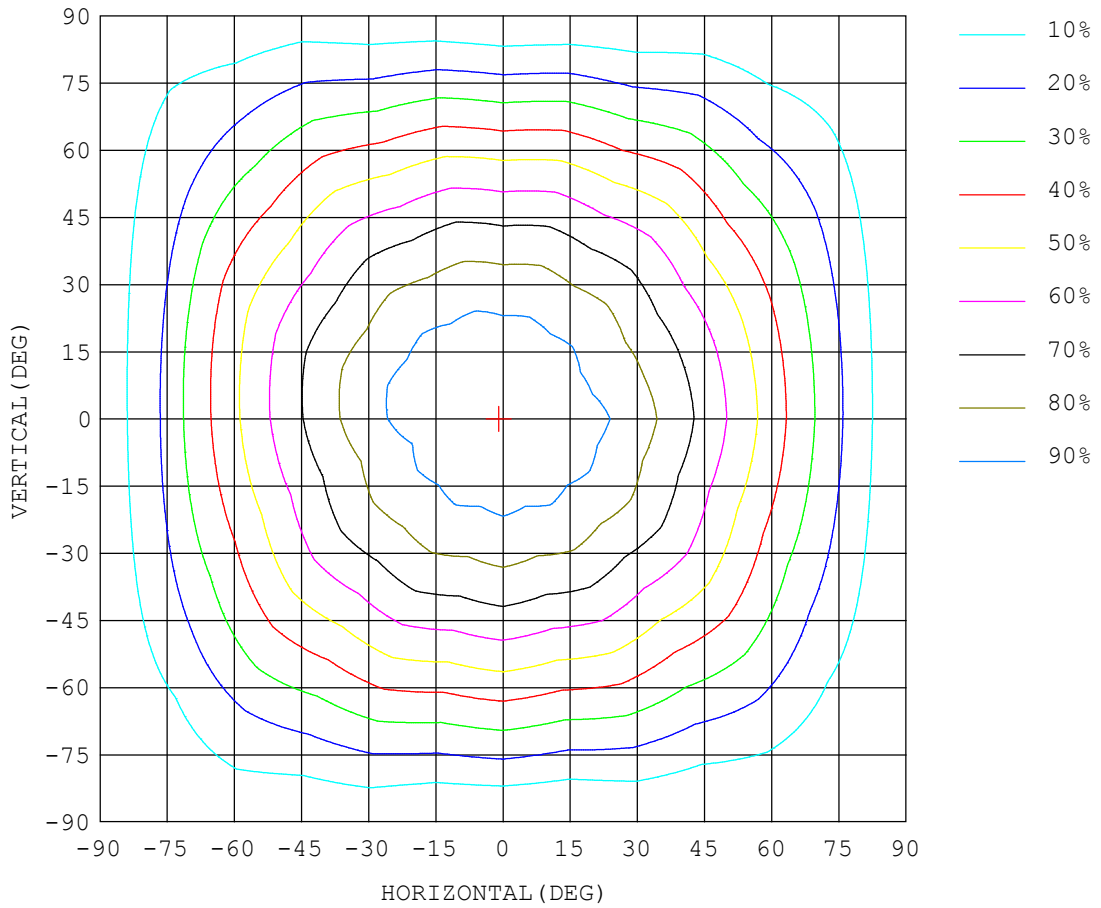
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ISOCANDELA DIAGRAM

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UNIT: cd



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