

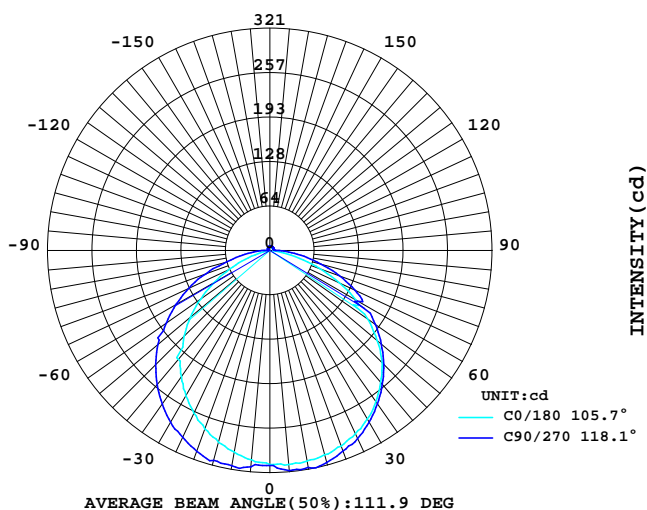
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

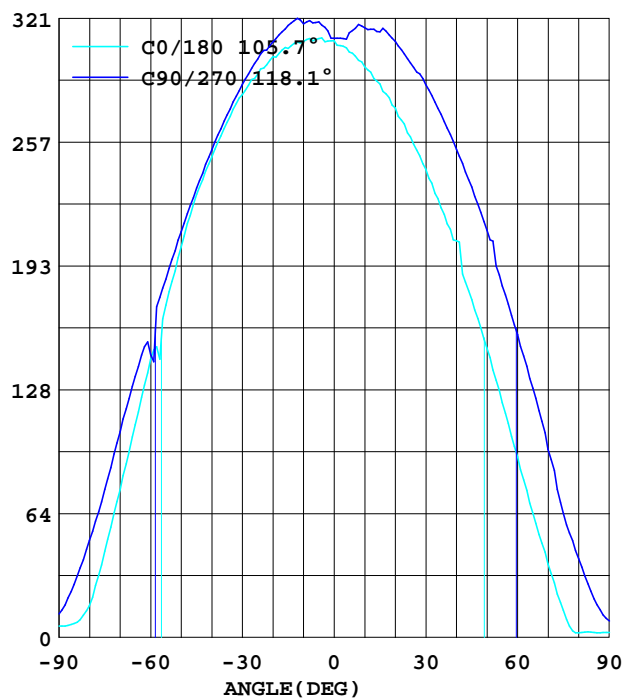
| | | | |
|------------------------------------|-----------|------------|-------------|
| MANUFACTURER: | | | |
| Address: | | | |
| NAME: RS-2216-24V-128D-10-20-WW-33 | | TYPE: | WEIGHT: |
| SPECIFICATION: 1000*10MM | CCT(K): 0 | DIMENSION: | SERIAL No.: |

| | | | | | |
|------------------|-------|--------------------|--------|------------------|-------|
| DATA OF LAMP | | Imax(cd) | 320.9 | S/MH(C0/180) | 1.35 |
| MODEL | 2216 | EFFICIENCY(%) | 100.0 | S/MH(C90/270) | 1.36 |
| NOMINAL POWER(W) | 10.1 | TOTAL FLUX(lm) | 987.98 | Voltage(V) | 24.00 |
| RATED VOLTAGE(V) | 24 | EFFICIENCY(lm/W) | 97.8 | Current(A) | 0.421 |
| NOMINAL FLUX(lm) | 988.0 | h up(%) | 3.2 | Power(W) | 10.10 |
| LAMPS QUANTITY | 1 | h down(%) | 96.8 | Power Factor(PF) | 1.000 |
| TEST VOLTAGE(V) | 24.0 | Effective Flux(lm) | 941.2 | EEL | 0.138 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月30日

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.800 m
 Remarks:

Color Temperature Data List

Report number:

| | | | |
|------------------------------------|-----------|------------|-------------|
| MANUFACTURER: | | | |
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| NAME: RS-2216-24V-128D-10-20-WW-33 | | TYPE: | WEIGHT: |
| SPECIFICATION: 1000*10MM | CCT(K): 0 | DIMENSION: | SERIAL No.: |

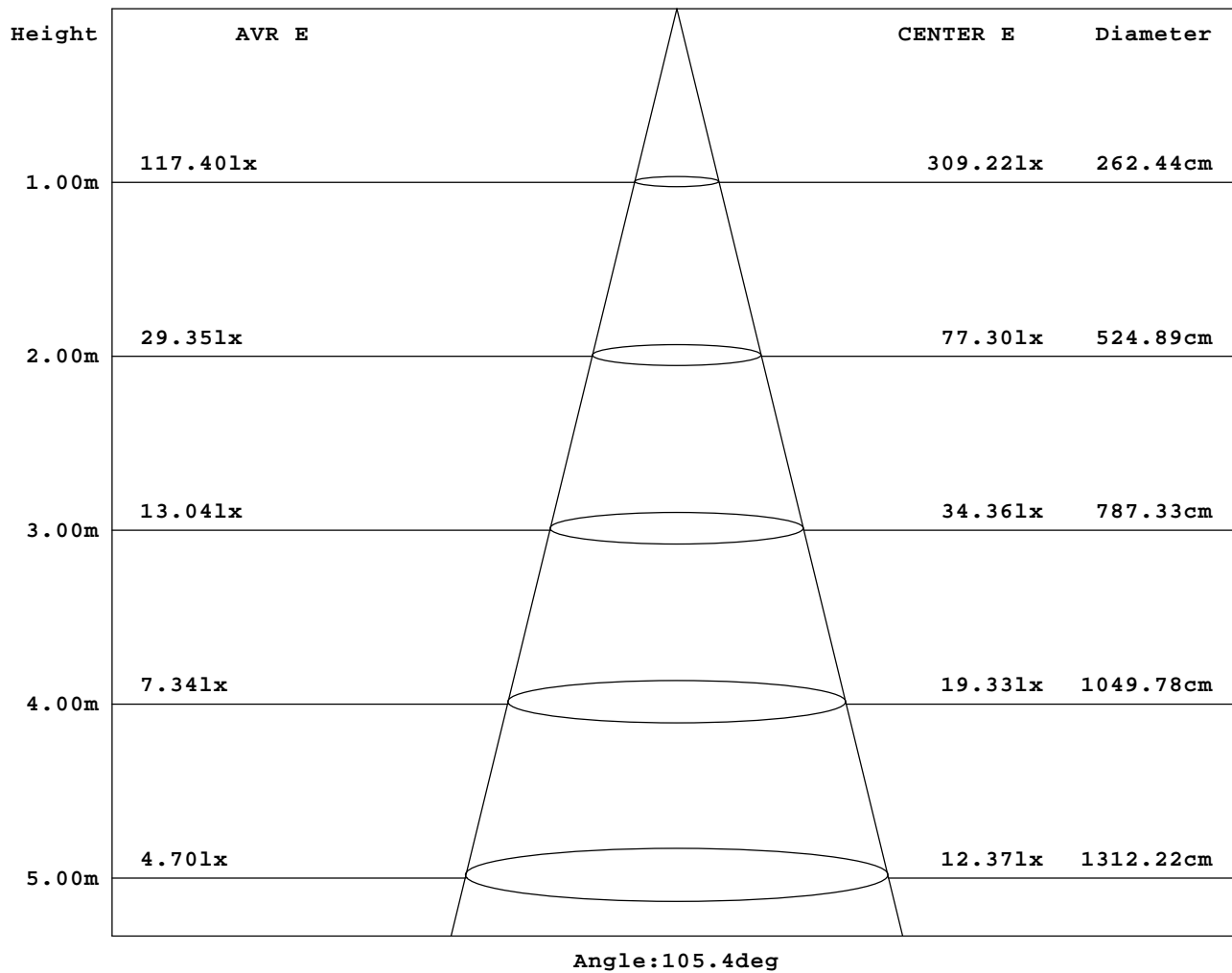
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月30日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.800 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

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Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月30日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:8.800 m
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

| | | | |
|------------------------------------|-----------|------------|-------------|
| MANUFACTURER: | | | |
| Address: | | | |
| NAME: RS-2216-24V-128D-10-20-WW-33 | | TYPE: | WEIGHT: |
| SPECIFICATION: 1000*10MM | CCT(K): 0 | DIMENSION: | SERIAL No.: |

| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | Zone | tBtal |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|-------|
| 5.0 | 310.3 | 314.7 | 318.9 | 313.2 | 303.3 | 307.8 | 313.3 | 311.8 | 0- 5 | 7.431 | 7.431 |
| 10.0 | 308.9 | 315.2 | 318.0 | 313.5 | 295.7 | 313.0 | 315.9 | 314.8 | 5- 10 | 22.33 | 29.76 |
| 15.0 | 305.2 | 312.9 | 317.1 | 307.9 | 286.8 | 308.5 | 313.7 | 311.8 | 10- 15 | 36.76 | 66.53 |
| 20.0 | 301.0 | 304.4 | 308.5 | 304.4 | 274.3 | 304.4 | 308.8 | 306.1 | 15- 20 | 50.28 | 116.8 |
| 25.0 | 292.0 | 292.1 | 299.7 | 291.3 | 259.5 | 297.7 | 297.8 | 299.3 | 20- 25 | 62.18 | 179.0 |
| 30.0 | 281.4 | 278.0 | 286.6 | 276.8 | 242.6 | 283.8 | 286.5 | 286.1 | 25- 30 | 72.04 | 251.0 |
| 35.0 | 266.9 | 261.1 | 270.8 | 272.0 | 222.6 | 270.1 | 271.0 | 271.1 | 30- 35 | 79.81 | 330.8 |
| 40.0 | 248.8 | 242.0 | 252.5 | 253.6 | 205.5 | 263.9 | 252.9 | 253.5 | 35- 40 | 85.15 | 416.0 |
| 45.0 | 229.5 | 221.7 | 232.8 | 233.8 | 175.0 | 244.0 | 233.4 | 233.6 | 40- 45 | 87.38 | 503.4 |
| 50.0 | 202.5 | 205.2 | 210.3 | 211.0 | 150.0 | 222.5 | 211.2 | 212.5 | 45- 50 | 86.48 | 589.8 |
| 55.0 | 172.1 | 169.0 | 185.7 | 181.2 | 121.5 | 198.5 | 182.2 | 188.7 | 50- 55 | 82.09 | 671.9 |
| 60.0 | 144.1 | 143.3 | 146.9 | 154.9 | 93.54 | 172.6 | 156.9 | 143.4 | 55- 60 | 73.95 | 745.9 |
| 65.0 | 110.2 | 115.5 | 135.2 | 126.3 | 64.27 | 148.6 | 129.0 | 139.8 | 60- 65 | 64.76 | 810.7 |
| 70.0 | 76.58 | 86.96 | 106.4 | 97.10 | 38.10 | 120.4 | 97.41 | 112.2 | 65- 70 | 54.07 | 864.7 |
| 75.0 | 44.76 | 60.71 | 76.74 | 69.69 | 14.01 | 91.22 | 64.19 | 84.48 | 70- 75 | 40.55 | 905.3 |
| 80.0 | 16.49 | 32.29 | 50.33 | 43.52 | 2.478 | 64.19 | 40.65 | 56.91 | 75- 80 | 26.78 | 932.1 |
| 85.0 | 7.201 | 15.79 | 27.41 | 21.14 | 2.632 | 38.33 | 20.05 | 34.15 | 80- 85 | 15.91 | 948.0 |
| 90.0 | 5.808 | 5.188 | 12.23 | 6.737 | 2.632 | 18.19 | 8.518 | 16.72 | 85- 90 | 7.974 | 956.0 |
| 95.0 | 5.343 | 2.400 | 6.659 | 2.323 | 2.787 | 7.356 | 3.097 | 7.124 | 90- 95 | 3.603 | 959.6 |
| 100.0 | 5.111 | 2.865 | 5.730 | 2.555 | 3.020 | 6.195 | 2.942 | 6.582 | 95-100 | 2.406 | 962.0 |
| 105.0 | 4.956 | 3.097 | 5.575 | 2.787 | 3.175 | 5.885 | 3.175 | 6.272 | 100-105 | 2.335 | 964.3 |
| 110.0 | 4.956 | 3.329 | 5.420 | 3.097 | 3.407 | 5.730 | 3.407 | 6.195 | 105-110 | 2.297 | 966.6 |
| 115.0 | 4.878 | 3.562 | 5.420 | 3.252 | 3.562 | 5.730 | 3.639 | 6.040 | 110-115 | 2.262 | 968.9 |
| 120.0 | 4.956 | 3.794 | 5.498 | 3.562 | 3.794 | 5.808 | 3.949 | 6.040 | 115-120 | 2.232 | 971.1 |
| 125.0 | 4.956 | 4.026 | 5.498 | 3.794 | 4.026 | 5.885 | 4.181 | 6.040 | 120-125 | 2.185 | 973.3 |
| 130.0 | 5.111 | 4.336 | 5.653 | 4.104 | 4.181 | 6.040 | 4.568 | 6.117 | 125-130 | 2.132 | 975.4 |
| 135.0 | 5.188 | 4.491 | 5.808 | 4.414 | 4.491 | 6.117 | 4.723 | 6.117 | 130-135 | 2.058 | 977.5 |
| 140.0 | 5.343 | 4.723 | 5.962 | 4.801 | 4.646 | 6.350 | 4.956 | 6.195 | 135-140 | 1.952 | 979.4 |
| 145.0 | 5.343 | 4.878 | 6.117 | 5.111 | 4.801 | 6.969 | 5.188 | 6.272 | 140-145 | 1.825 | 981.2 |
| 150.0 | 5.420 | 5.033 | 6.272 | 5.575 | 4.956 | 7.666 | 5.575 | 6.350 | 145-150 | 1.686 | 982.9 |
| 155.0 | 5.575 | 5.188 | 6.350 | 5.962 | 5.111 | 7.511 | 6.195 | 6.504 | 150-155 | 1.515 | 984.4 |
| 160.0 | 5.653 | 5.265 | 6.659 | 5.885 | 5.343 | 7.201 | 6.040 | 6.427 | 155-160 | 1.275 | 985.7 |
| 165.0 | 5.653 | 5.188 | 6.659 | 5.343 | 5.498 | 6.504 | 5.885 | 6.350 | 160-165 | 0.987 | 986.7 |
| 170.0 | 5.730 | 5.111 | 6.350 | 5.188 | 5.653 | 6.195 | 5.343 | 6.195 | 165-170 | 0.689 | 987.4 |
| 175.0 | 5.808 | 5.111 | 6.040 | 5.188 | 5.653 | 5.962 | 5.265 | 5.962 | 170-175 | 0.405 | 987.8 |
| 180.0 | 5.730 | 5.188 | 5.885 | 5.343 | 5.885 | 5.730 | 5.265 | 5.808 | 175-180 | 0.134 | 987.9 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

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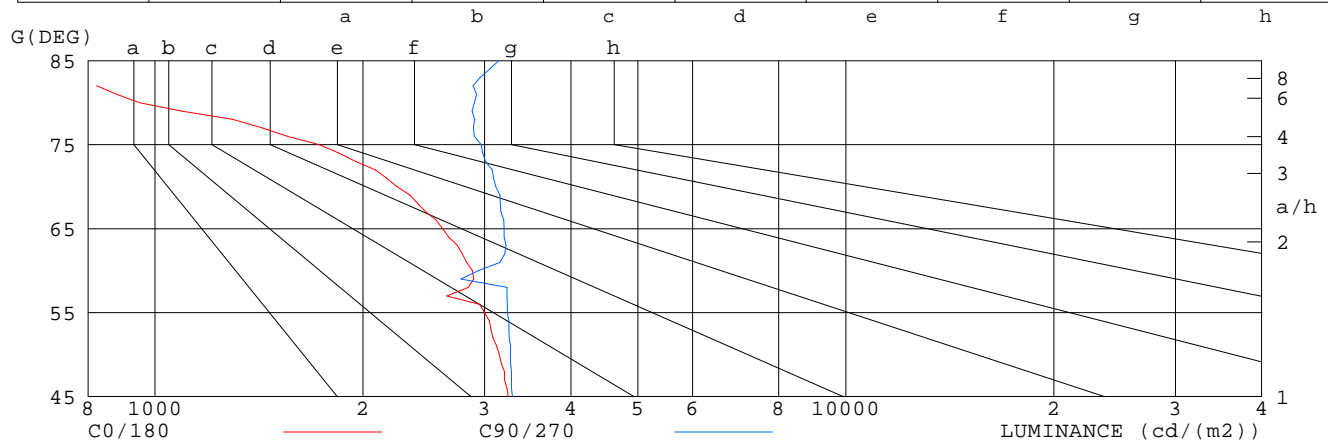
LUMINANCE LIMITATION CURVES

Report number:

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| MANUFACTURER: | | | |
| Address: | | | |
| NAME: RS-2216-24V-128D-10-20-WW-33 | | TYPE: | WEIGHT: |
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LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 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 | 826 | 3145 |
| 80 | 950 | 2899 |
| 75 | 1729 | 2965 |
| 70 | 2239 | 3113 |
| 65 | 2609 | 3201 |
| 60 | 2882 | 2938 |
| 55 | 3001 | 3238 |
| 50 | 3150 | 3272 |
| 45 | 3246 | 3293 |

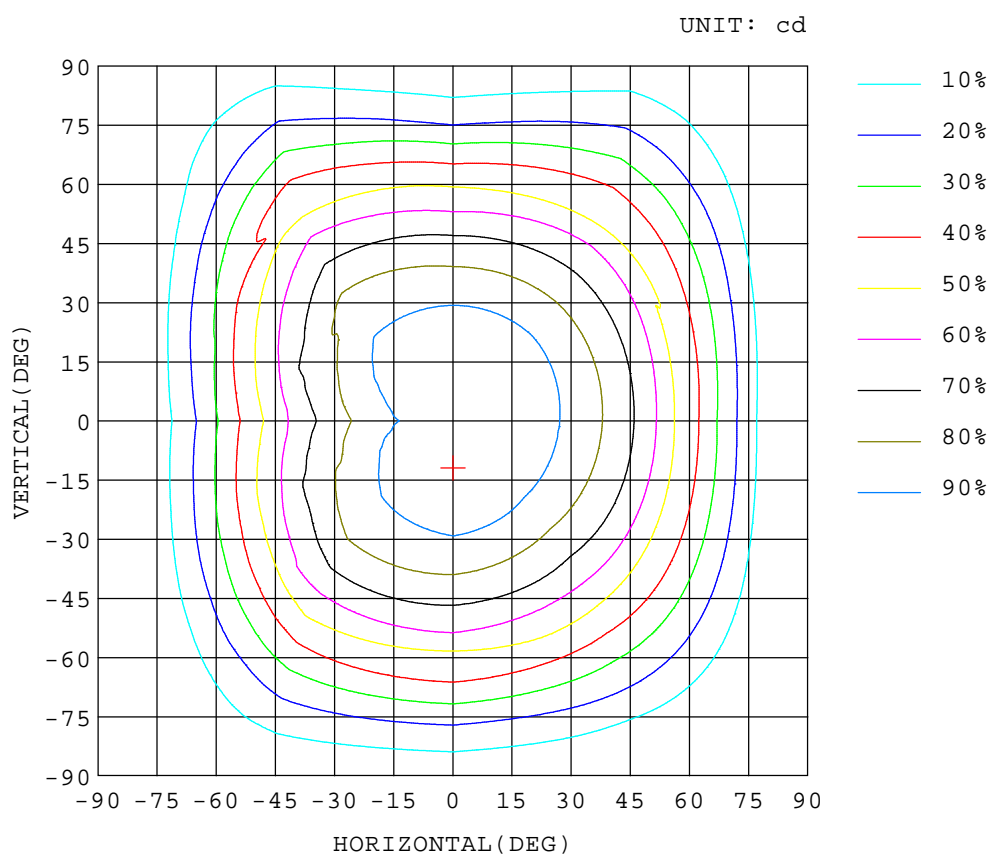
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ISOCANDELA DIAGRAM

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