

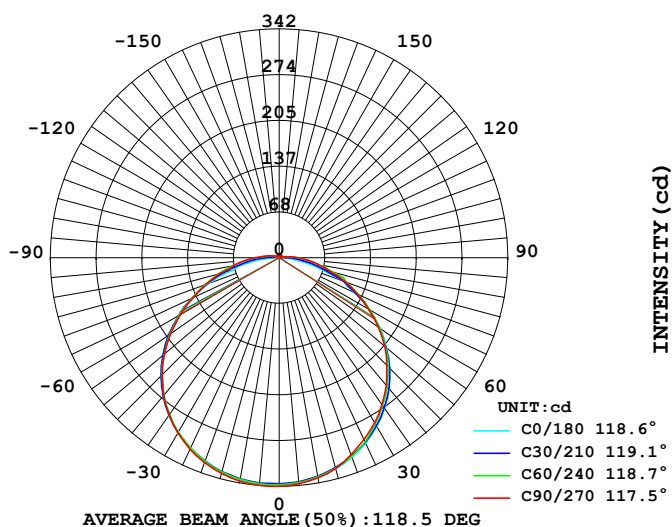
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

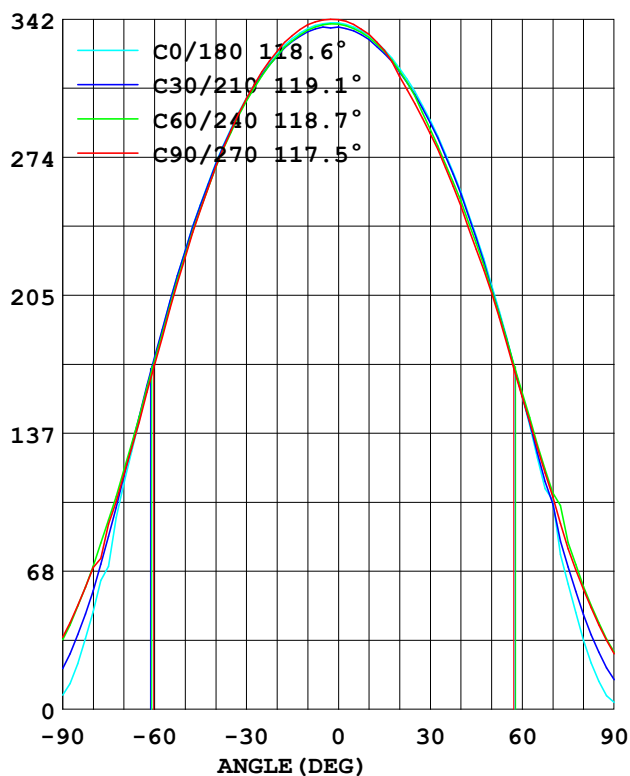
| | | |
|----------------------|------------|-------------|
| MANUFACTURER: | | |
| Address: | | |
| NAME: 5050 60 | TYPE: | WEIGHT: |
| SPECIFICATION: 3000k | DIMENSION: | SERIAL No.: |

| | | | | | |
|-------------------|--------|---------------------|--------|-------------------|-------|
| DATA OF LAMP | | Imax (cd) | 342.8 | S/MH (C0/180) | 1.32 |
| MODEL | 5050 | EFFICIENCY (%) | 100.0 | S/MH (C90/270) | 1.32 |
| NOMINAL POWER (W) | 12 | TOTAL FLUX (lm) | 1086.4 | Voltage (V) | 12.00 |
| RATED VOLTAGE (V) | 12 | EFFICIENCY (lm/W) | 90.5 | Current (A) | 1.000 |
| NOMINAL FLUX (lm) | 1086.4 | η up (%) | 3.3 | Power (W) | 12.00 |
| LAMPS QUANTITY | 1 | η down (%) | 96.7 | Power Factor (PF) | 1.000 |
| TEST VOLTAGE (V) | 12.0 | Effective Flux (lm) | 1038.8 | EET | 0.151 |

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 03-11-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.000 m
 Remarks:

Color Temperature Data List

Report number:

| | | |
|----------------------|------------|--------------|
| MANUFACTURER: | | |
| Address: | | |
| NAME: 5050 60 | TYPE: | WEIGHT: |
| SPECIFICATION: 3000k | DIMENSION: | SERIAL No. : |

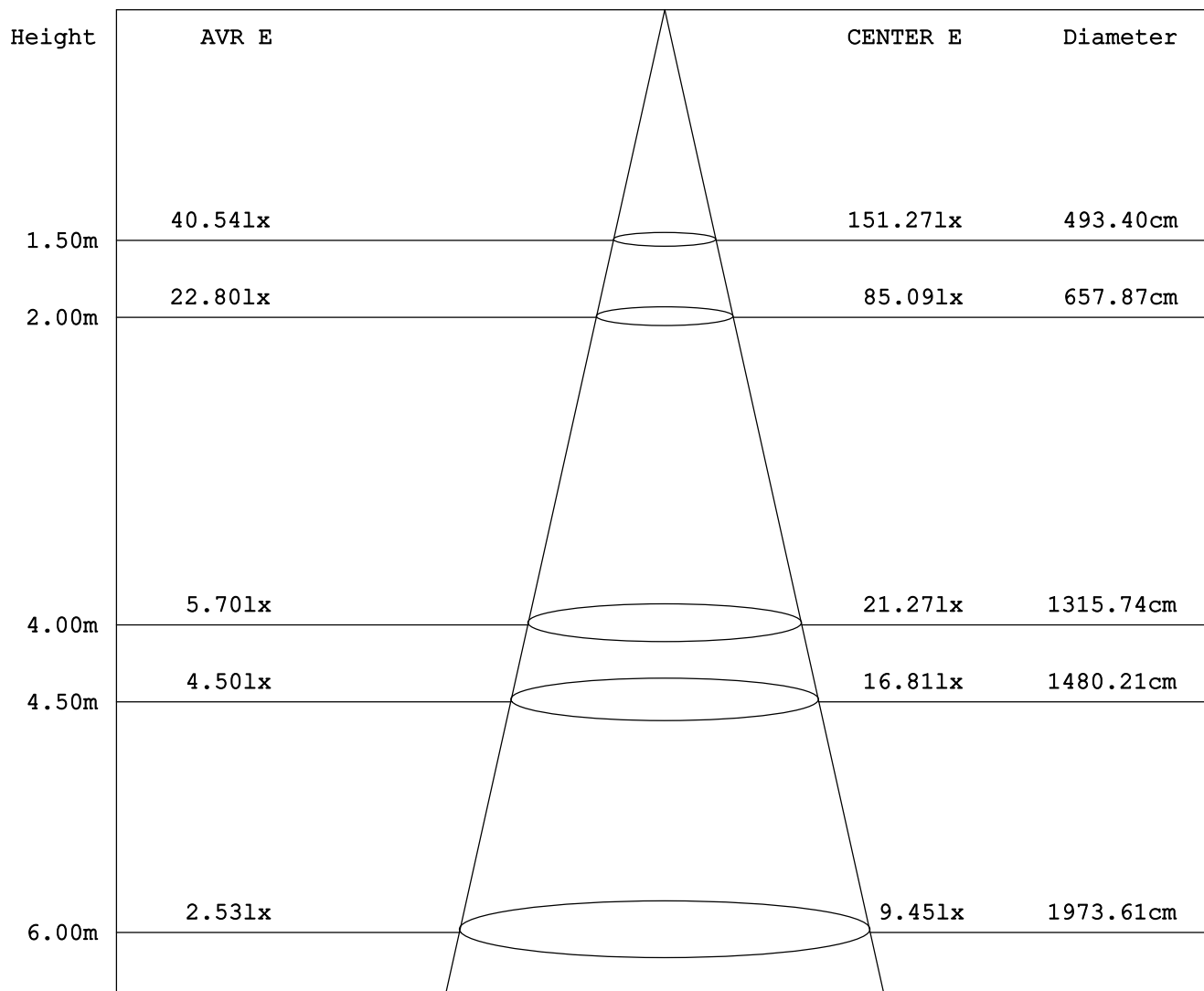
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:03-11-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

| | | |
|----------------------|------------|--------------|
| MANUFACTURER: | | |
| Address: | | |
| NAME: 5050 60 | TYPE: | WEIGHT: |
| SPECIFICATION: 3000k | DIMENSION: | SERIAL No. : |



Angle:117.4deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:03-11-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

| | | |
|----------------------|------------|-------------|
| MANUFACTURER: | | |
| Address: | | |
| NAME: 5050 60 | TYPE: | WEIGHT: |
| SPECIFICATION: 3000k | DIMENSION: | SERIAL No.: |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | zone | total |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|-------|----------|---------|-------|
| 5.0 | 340.0 | 338.7 | 341.9 | 339.4 | 338.3 | 338.2 | 339.5 | 340.3 | 0- 5 | 8.129 | 8.129 |
| 10.0 | 337.5 | 335.4 | 339.4 | 335.1 | 333.8 | 334.4 | 334.6 | 336.9 | 5- 10 | 24.15 | 32.28 |
| 15.0 | 332.7 | 329.6 | 334.1 | 328.1 | 327.1 | 328.6 | 326.7 | 330.7 | 10- 15 | 39.47 | 71.75 |
| 20.0 | 325.1 | 321.7 | 326.3 | 318.4 | 317.8 | 320.1 | 313.9 | 320.0 | 15- 20 | 53.56 | 125.3 |
| 25.0 | 315.6 | 310.9 | 316.1 | 306.5 | 306.4 | 309.6 | 300.3 | 307.7 | 20- 25 | 66.00 | 191.3 |
| 30.0 | 303.1 | 297.3 | 302.9 | 291.8 | 292.1 | 296.5 | 285.5 | 293.6 | 25- 30 | 76.43 | 267.7 |
| 35.0 | 288.0 | 281.9 | 287.0 | 274.8 | 275.2 | 280.1 | 268.4 | 276.1 | 30- 35 | 84.52 | 352.2 |
| 40.0 | 270.7 | 263.3 | 268.9 | 254.7 | 256.6 | 261.2 | 249.6 | 256.1 | 35- 40 | 89.84 | 442.1 |
| 45.0 | 250.2 | 241.8 | 247.5 | 231.7 | 234.7 | 239.7 | 227.9 | 235.4 | 40- 45 | 92.22 | 534.3 |
| 50.0 | 227.0 | 218.9 | 223.7 | 207.4 | 210.2 | 216.5 | 206.4 | 212.2 | 45- 50 | 91.62 | 625.9 |
| 55.0 | 202.0 | 192.6 | 198.6 | 179.9 | 184.3 | 192.6 | 181.5 | 188.0 | 50- 55 | 87.89 | 713.8 |
| 60.0 | 173.7 | 164.3 | 170.8 | 150.8 | 155.5 | 166.0 | 155.2 | 163.1 | 55- 60 | 81.24 | 795.1 |
| 65.0 | 143.1 | 136.3 | 142.4 | 122.6 | 124.6 | 140.2 | 129.5 | 135.5 | 60- 65 | 72.00 | 867.1 |
| 70.0 | 112.0 | 107.6 | 116.4 | 101.4 | 103.6 | 114.6 | 105.5 | 109.4 | 65- 70 | 60.87 | 928.0 |
| 75.0 | 70.81 | 80.63 | 91.81 | 69.23 | 62.16 | 89.33 | 79.54 | 83.29 | 70- 75 | 48.44 | 976.4 |
| 80.0 | 48.33 | 58.17 | 70.29 | 43.38 | 34.26 | 65.40 | 59.49 | 53.50 | 75- 80 | 35.17 | 1012 |
| 85.0 | 22.67 | 38.54 | 51.53 | 28.37 | 13.87 | 45.49 | 41.89 | 37.73 | 80- 85 | 24.12 | 1036 |
| 90.0 | 7.069 | 23.20 | 35.78 | 14.21 | 3.390 | 29.12 | 27.60 | 22.91 | 85- 90 | 15.17 | 1051 |
| 95.0 | 4.304 | 13.22 | 24.93 | 3.414 | 2.500 | 17.14 | 17.53 | 8.632 | 90- 95 | 8.685 | 1060 |
| 100.0 | 4.112 | 7.093 | 17.02 | 6.324 | 2.693 | 10.07 | 10.00 | 6.083 | 95-100 | 5.313 | 1065 |
| 105.0 | 3.991 | 3.775 | 11.13 | 3.751 | 2.837 | 5.699 | 4.881 | 4.785 | 100-105 | 3.409 | 1068 |
| 110.0 | 3.991 | 3.005 | 7.069 | 2.885 | 2.933 | 4.208 | 3.029 | 4.039 | 105-110 | 2.285 | 1071 |
| 115.0 | 3.967 | 3.053 | 5.073 | 3.174 | 3.053 | 4.184 | 3.053 | 4.039 | 110-115 | 1.899 | 1073 |
| 120.0 | 3.991 | 3.150 | 4.448 | 3.390 | 3.246 | 4.136 | 3.174 | 3.967 | 115-120 | 1.772 | 1074 |
| 125.0 | 4.039 | 3.270 | 4.400 | 3.390 | 3.318 | 4.160 | 3.342 | 3.967 | 120-125 | 1.707 | 1076 |
| 130.0 | 4.039 | 3.270 | 4.376 | 3.486 | 3.438 | 4.112 | 3.534 | 4.039 | 125-130 | 1.632 | 1078 |
| 135.0 | 4.112 | 3.318 | 4.328 | 3.462 | 3.534 | 4.160 | 3.558 | 4.088 | 130-135 | 1.534 | 1079 |
| 140.0 | 4.063 | 3.462 | 4.328 | 3.318 | 3.631 | 4.160 | 3.727 | 4.184 | 135-140 | 1.417 | 1081 |
| 145.0 | 4.136 | 3.534 | 4.232 | 3.510 | 3.703 | 4.208 | 3.703 | 4.112 | 140-145 | 1.292 | 1082 |
| 150.0 | 4.208 | 3.583 | 4.208 | 3.607 | 3.799 | 4.184 | 3.703 | 4.184 | 145-150 | 1.148 | 1083 |
| 155.0 | 4.184 | 3.655 | 4.208 | 3.703 | 3.871 | 4.280 | 3.823 | 4.208 | 150-155 | 0.997 | 1084 |
| 160.0 | 4.256 | 3.751 | 4.232 | 3.775 | 3.919 | 4.256 | 3.775 | 4.208 | 155-160 | 0.835 | 1085 |
| 165.0 | 4.256 | 3.847 | 4.304 | 3.871 | 4.063 | 4.232 | 3.847 | 4.208 | 160-165 | 0.665 | 1086 |
| 170.0 | 4.304 | 3.943 | 4.328 | 3.823 | 4.160 | 4.256 | 3.943 | 4.256 | 165-170 | 0.483 | 1086 |
| 175.0 | 4.304 | 3.871 | 4.352 | 3.895 | 4.184 | 4.256 | 3.919 | 4.184 | 170-175 | 0.293 | 1086 |
| 180.0 | 4.232 | 3.871 | 4.256 | 3.943 | 4.352 | 4.208 | 4.063 | 4.184 | 175-180 | 0.098 | 1086 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | |

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:03-11-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

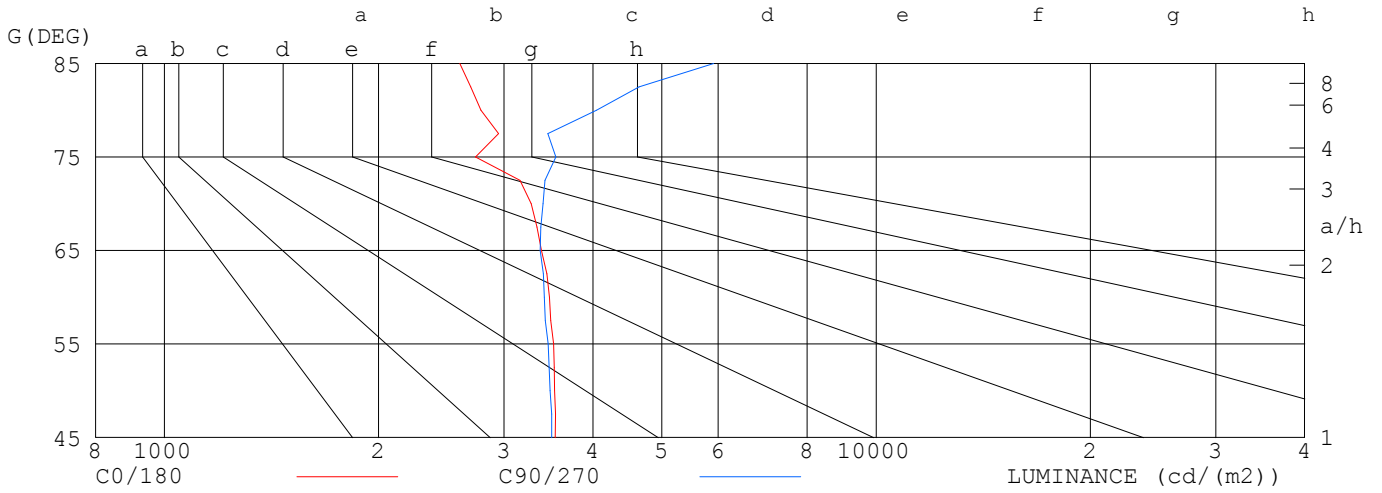
LUMINANCE LIMITATION CURVES

Report number:

| | | |
|----------------------|------------|--------------|
| MANUFACTURER: | | |
| Address: | | |
| NAME: 5050 60 | TYPE: | WEIGHT: |
| SPECIFICATION: 3000k | DIMENSION: | SERIAL No. : |

LUMINANCE LIMITATION CURVES

| GLARE | CLASS | ILLUMINANCE (lx) | | | | | | | |
|-------|-------|------------------|------|------|-------|-------|-------|-------|-------|
| | | 2000 | 1000 | 500 | <=300 | | | | |
| 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 |



| G (DEG) | LUMINANCE cd/ (m2) | |
|---------|--------------------|---------|
| | C0/180 | C90/270 |
| 85 | 2602 | 5913 |
| 80 | 2783 | 4048 |
| 75 | 2736 | 3547 |
| 70 | 3275 | 3404 |
| 65 | 3386 | 3371 |
| 60 | 3474 | 3417 |
| 55 | 3523 | 3463 |
| 50 | 3532 | 3481 |
| 45 | 3540 | 3501 |

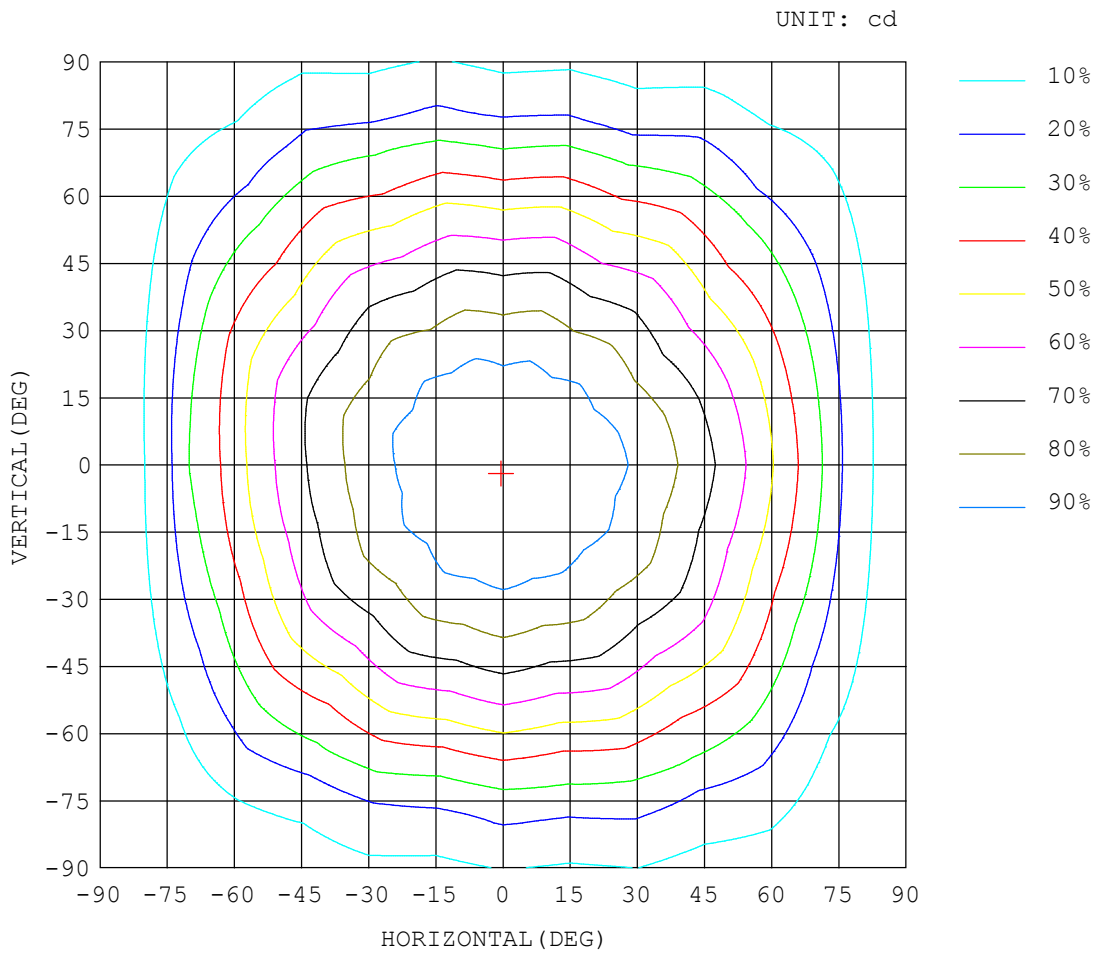
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:03-11-2020

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

| | | |
|----------------------|------------|--------------|
| MANUFACTURER: | | |
| Address: | | |
| NAME: 5050 60 | TYPE: | WEIGHT: |
| SPECIFICATION: 3000k | DIMENSION: | SERIAL No. : |



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:03-11-2020

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