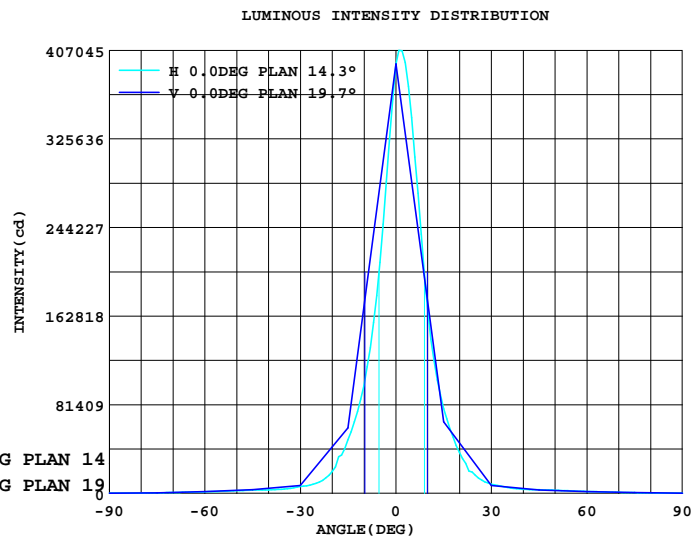
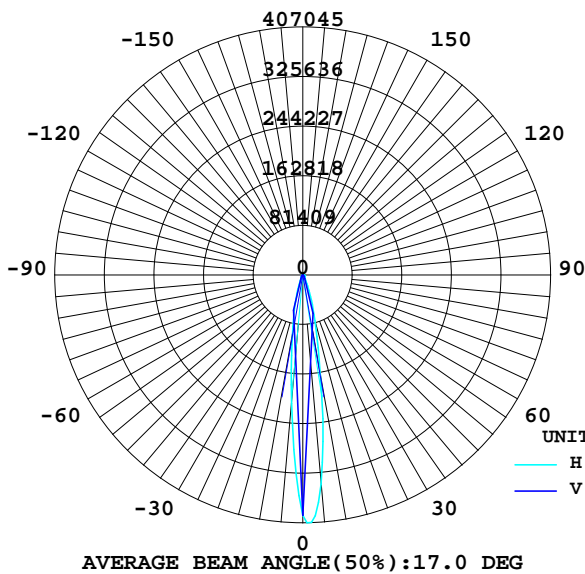


LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

| | | |
|--------------------------|------------|-------------|
| MANUFACTURER: | Address: | |
| NAME: LT-GK-018-500W-15度 | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

| | | | | | |
|----------------------|---------|----------------------|--------------|------------------|-------|
| MODEL: | | | | | |
| NOMINAL POWER(W): | 468 | Imax(cd): | 407045 | Voltage(V) | 218.8 |
| RATED VOLTAGE(V): | 218 | AVAILABILITY(%): | 66.6 | Current(A) | 2.154 |
| NOMINAL FLUX(lm): | 58137 | Avai. FLUX(lm): | 38695 | Power(W) | 468.2 |
| TEST FLUX(lm): | 58137 | EFFICIENCY(%): | 100.0 | Power Factor(PF) | 0.993 |
| LAMPS QUANTITY : | 1 | TOTAL FLUX(lm): | 58137 | EFFICIENCY(lm/W) | 124.2 |
| Effective Flux(lm) : | 38695.2 | θ @50%(H, V): | 14.3,20.0DEG | EEl: | 0.165 |



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年08月02日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks:

Color Temperature Data List

Report number:

| | | |
|--------------------------|------------|-------------|
| MANUFACTURER: | Address: | |
| NAME: LT-GK-018-500W-15度 | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |

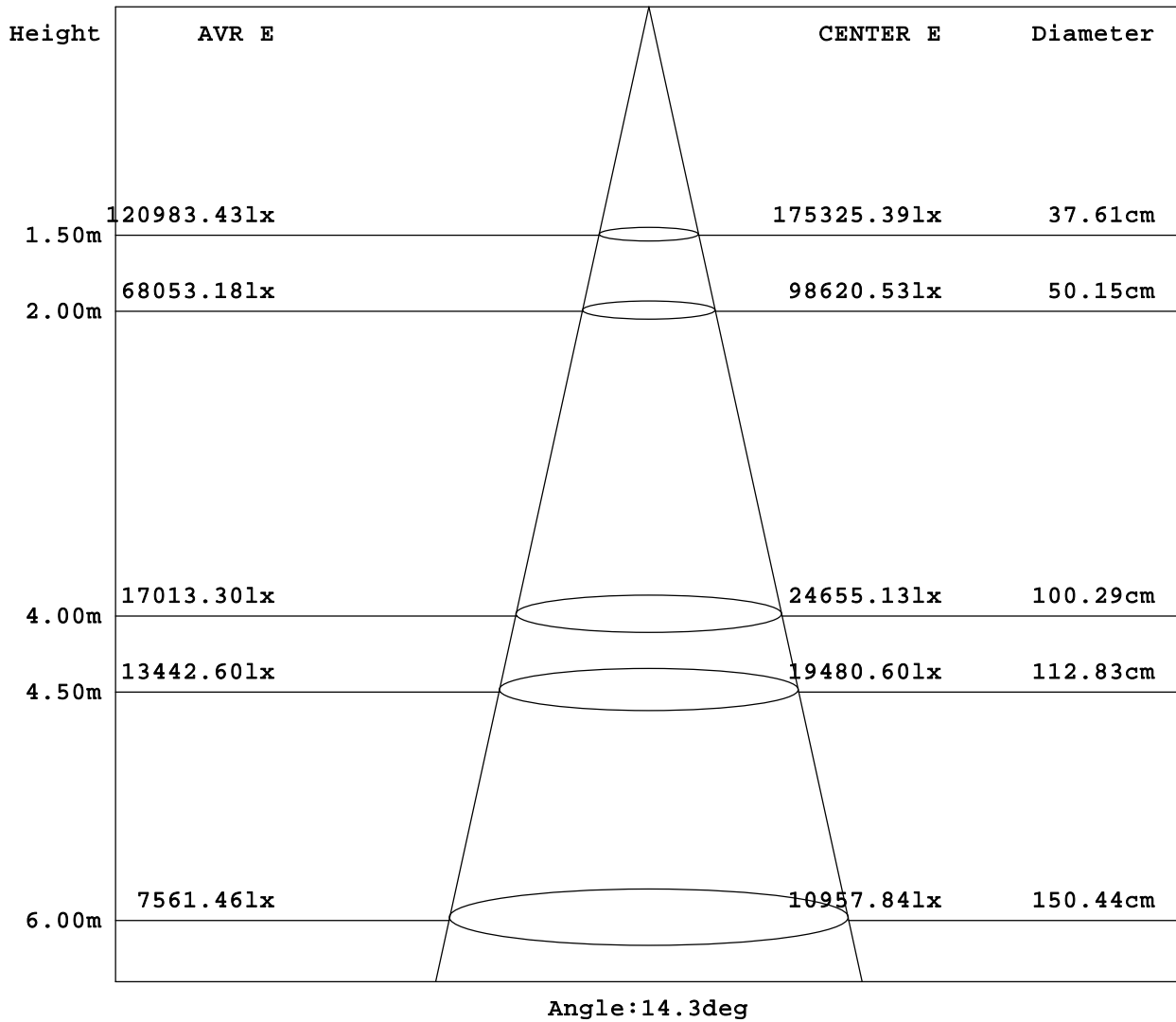
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年08月02日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

| | | |
|--------------------------|------------|-------------|
| MANUFACTURER: | Address: | |
| NAME: LT-GK-018-500W-15度 | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年08月02日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks:

AREA LUMINOUS FLUX

Report number:

| | | | |
|--------------------------|------------|-------------|--|
| MANUFACTURER: | Address: | | |
| NAME: LT-GK-018-500W-15度 | TYPE: | WEIGHT: | |
| SPECIFICATION: | DIMENSION: | SERIAL No.: | |

| | | AREA FLUX DIAGRAM | | | | | | | | | | | | | | | | | | UNIT:lm | | Φ t | Φ a |
|----------------|------|-------------------|------|------|------|------|------|------|------|------------------|------|------|------|------|------|------|------|------|-------|---------|-------|-----|-----|
| | | | | | | | | | | | | | | | | | | | | | | | |
| VERTICAL (DEG) | 27 | | | | | | | | | | | | | | | | | | | | | | |
| | 24 | 10.8 | 11.6 | 12.8 | 14.9 | 16.1 | 18.0 | 20.3 | 22.2 | 22.9 | 23.1 | 22.6 | 21.8 | 19.6 | 17.3 | 15.5 | 14.3 | 12.5 | 11.1 | 308 | 0.00 | | |
| | 21 | 11.5 | 12.3 | 13.6 | 16.0 | 17.3 | 19.5 | 22.1 | 24.3 | 25.1 | 25.4 | 24.7 | 23.8 | 21.3 | 18.7 | 16.6 | 15.4 | 13.3 | 11.8 | 333 | 0.00 | | |
| | 18 | 12.2 | 13.0 | 14.5 | 17.1 | 18.5 | 21.0 | 23.9 | 26.3 | 27.3 | 27.6 | 26.8 | 25.8 | 23.0 | 20.1 | 17.8 | 16.4 | 14.1 | 12.5 | 359 | 0.00 | | |
| | 15 | 12.9 | 13.8 | 15.3 | 18.2 | 19.8 | 22.5 | 25.7 | 28.4 | 29.5 | 29.8 | 28.9 | 27.8 | 24.7 | 21.5 | 18.9 | 17.5 | 14.9 | 13.2 | 384 | 0.00 | | |
| | 12 | 15.4 | 21.6 | 32.3 | 48.6 | 68.6 | 101 | 136 | 168 | 190 | 198 | 190 | 168 | 137 | 104 | 74.7 | 51.3 | 34.9 | 23.5 | 1765 | 1264 | | |
| | 9 | 16.4 | 23.6 | 36.0 | 55.0 | 78.5 | 117 | 158 | 195 | 221 | 230 | 221 | 196 | 159 | 121 | 85.7 | 58.2 | 39.2 | 25.9 | 2036 | 1571 | | |
| | | 17.4 | 25.6 | 39.8 | 61.5 | 88.3 | 133 | 179 | 222 | 252 | 263 | 252 | 223 | 181 | 137 | 96.8 | 65.2 | 43.4 | 28.3 | 2308 | 1866 | | |
| | | 18.4 | 27.6 | 43.6 | 67.9 | 98.2 | 148 | 201 | 249 | 283 | 295 | 283 | 250 | 203 | 153 | 108 | 72.2 | 47.7 | 30.8 | 2580 | 2156 | | |
| | | 19.5 | 29.6 | 47.3 | 74.3 | 108 | 164 | 223 | 276 | 314 | 327 | 314 | 277 | 225 | 169 | 119 | 79.2 | 52.0 | 33.2 | 2852 | 2465 | | |
| | | 22.3 | 34.1 | 64.0 | 106 | 172 | 266 | 419 | 675 | 1030 | 1214 | 1062 | 750 | 447 | 275 | 177 | 111 | 64.3 | 39.0 | 6928 | 6610 | | |
| | | 23.7 | 36.6 | 70.1 | 117 | 192 | 297 | 473 | 770 | 1185 | 1401 | 1223 | 858 | 505 | 307 | 197 | 123 | 70.0 | 42.0 | 7892 | 7594 | | |
| -9 | 25.1 | 39.0 | 76.3 | 128 | 212 | 329 | 526 | 865 | 1341 | 1589 | 1385 | 966 | 564 | 339 | 217 | 134 | 75.7 | 45.1 | 8855 | 8608 | | | |
| -12 | 26.4 | 41.5 | 82.4 | 139 | 231 | 360 | 579 | 959 | 1497 | 1777 | 1546 | 1075 | 622 | 372 | 236 | 146 | 81.5 | 48.1 | 9819 | 9615 | | | |
| -15 | 27.8 | 44.0 | 88.5 | 150 | 251 | 391 | 633 | 1054 | 1652 | 1964 | 1707 | 1183 | 680 | 404 | 256 | 157 | 87.2 | 51.2 | 10782 | 10566 | | | |
| -18 | 14.6 | 19.1 | 25.3 | 34.6 | 47.1 | 69.2 | 87.1 | 93.0 | 80.7 | 71.0 | 78.1 | 87.4 | 86.2 | 73.4 | 52.2 | 37.7 | 28.1 | 20.5 | 1006 | 242 | | | |
| -21 | 13.3 | 16.6 | 18.9 | 22.6 | 26.2 | 36.2 | 31.6 | 11.0 | 0.00 | 0.00 | 0.00 | 4.70 | 26.9 | 39.8 | 31.2 | 25.4 | 22.0 | 17.4 | 344 | 0.00 | | | |
| -24 | 12.0 | 14.1 | 12.4 | 10.7 | 7.29 | 6.05 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 10.2 | 10.2 | 13.1 | 15.9 | 14.3 | 127 | 0.00 | | | |
| -27 | 10.7 | 11.6 | 7.64 | 1.35 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 0.00 | 2.35 | 9.93 | 11.2 | 56.0 | 0.00 | | | |
| | | -27 | -24 | -21 | -18 | -15 | -12 | -9 | -6 | HORIZONTAL (DEG) | | | | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | | |
| Φ t | | 311 | 436 | 702 | 1083 | 1653 | 2500 | 3738 | 5640 | 8150 | 9436 | 8365 | 6137 | 3925 | 2583 | 1730 | 1139 | 727 | 480 | 58137 | | | |
| Φ a | | 0.00 | 0.00 | 121 | 520 | 1177 | 2197 | 3539 | 5476 | 8008 | 9304 | 8228 | 5987 | 3736 | 2316 | 1257 | 617 | 74.6 | 0.00 | | 38695 | | |

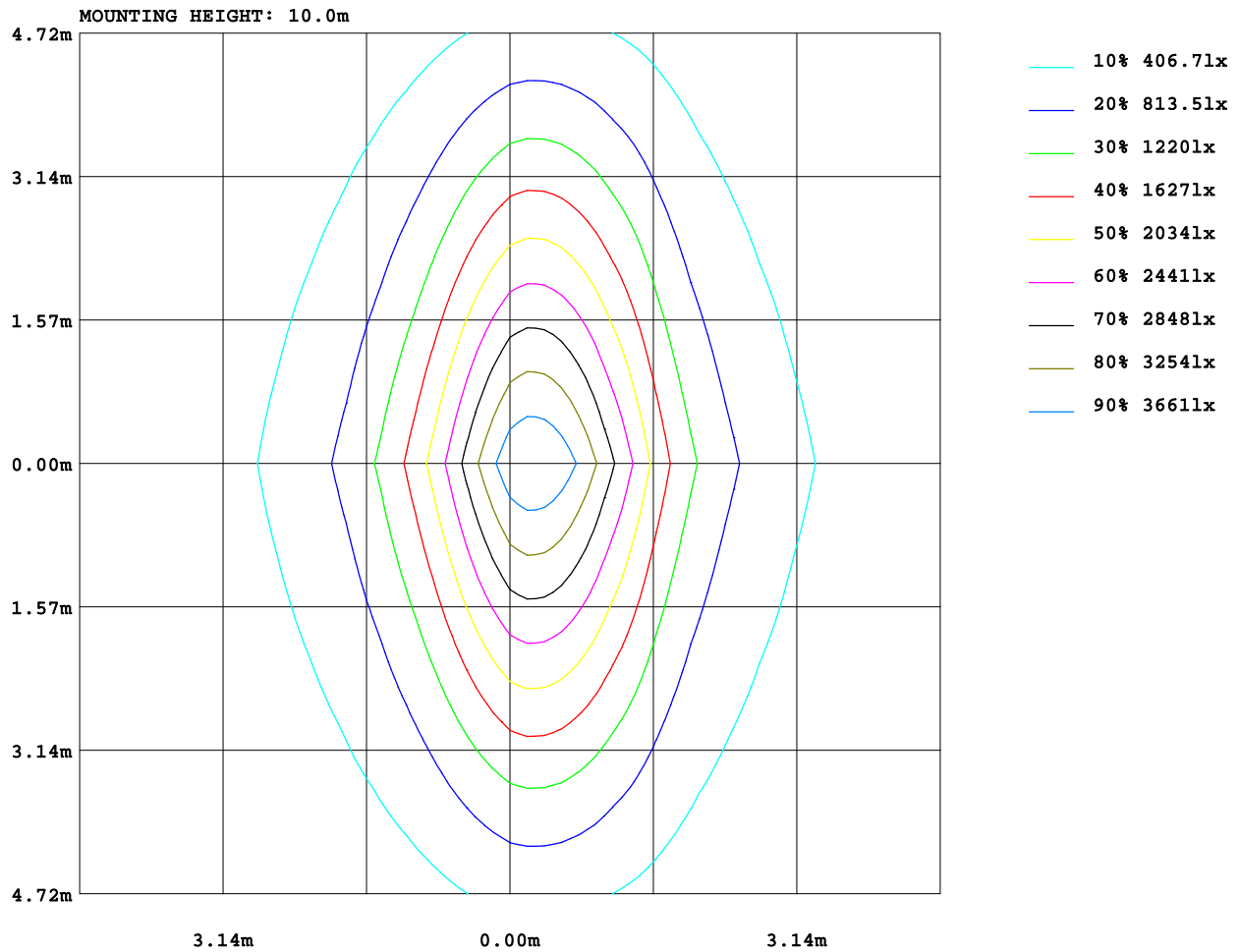
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年08月02日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.500 m
 Remarks:

ISOLUX DIAGRAM

Report number:

| | | |
|--------------------------|------------|-------------|
| MANUFACTURER: | Address: | |
| NAME: LT-GK-018-500W-15度 | TYPE: | WEIGHT: |
| SPECIFICATION: | DIMENSION: | SERIAL No.: |



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年08月02日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

Uncorrected UGR Table

Report number:

| | | | | | | | | | | |
|--|------------------|------|------|------|------|----------------|------|------|-------------|------|
| MANUFACTURER: | | | | | | Address: | | | | |
| NAME: LT-GK-018-500W-15度 | | | | | | TYPE: | | | WEIGHT: | |
| SPECIFICATION: | | | | | | DIMENSION: | | | SERIAL No.: | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working 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 | 20.3 | 21.1 | 20.5 | 21.2 | 21.4 | 20.3 | 21.1 | 20.5 | 21.2 | 21.4 |
| 3H | 21.3 | 22.0 | 21.5 | 22.2 | 22.4 | 21.3 | 22.0 | 21.6 | 22.2 | 22.4 |
| 4H | 21.6 | 22.3 | 21.9 | 22.5 | 22.7 | 21.7 | 22.4 | 22.0 | 22.6 | 22.8 |
| 6H | 21.9 | 22.5 | 22.2 | 22.8 | 23.0 | 22.0 | 22.6 | 22.3 | 22.9 | 23.1 |
| 8H | 21.9 | 22.6 | 22.2 | 22.8 | 23.1 | 22.1 | 22.8 | 22.4 | 23.0 | 23.3 |
| 12H | 22.0 | 22.6 | 22.3 | 22.8 | 23.1 | 22.2 | 22.8 | 22.5 | 23.1 | 23.4 |
| 4H 2H | 20.8 | 21.5 | 21.0 | 21.7 | 21.9 | 20.8 | 21.5 | 21.0 | 21.7 | 21.9 |
| 3H | 21.9 | 22.5 | 22.2 | 22.8 | 23.0 | 22.0 | 22.6 | 22.3 | 22.8 | 23.1 |
| 4H | 22.4 | 22.9 | 22.7 | 23.2 | 23.5 | 22.4 | 23.0 | 22.8 | 23.3 | 23.6 |
| 6H | 22.7 | 23.2 | 23.1 | 23.5 | 23.8 | 22.8 | 23.3 | 23.2 | 23.6 | 24.0 |
| 8H | 22.8 | 23.2 | 23.1 | 23.6 | 23.9 | 23.0 | 23.5 | 23.4 | 23.8 | 24.2 |
| 12H | 22.8 | 23.2 | 23.2 | 23.6 | 24.0 | 23.2 | 23.6 | 23.6 | 23.9 | 24.3 |
| 8H 4H | 22.5 | 23.0 | 22.9 | 23.3 | 23.7 | 22.6 | 23.0 | 23.0 | 23.4 | 23.7 |
| 6H | 22.9 | 23.3 | 23.3 | 23.7 | 24.1 | 23.1 | 23.5 | 23.5 | 23.9 | 24.3 |
| 8H | 23.0 | 23.4 | 23.5 | 23.8 | 24.2 | 23.3 | 23.7 | 23.8 | 24.1 | 24.5 |
| 12H | 23.1 | 23.4 | 23.5 | 23.8 | 24.3 | 23.6 | 23.9 | 24.0 | 24.3 | 24.8 |
| 12H 4H | 22.5 | 22.9 | 22.9 | 23.3 | 23.7 | 22.5 | 23.0 | 22.9 | 23.3 | 23.7 |
| 6H | 22.9 | 23.3 | 23.4 | 23.7 | 24.1 | 23.1 | 23.4 | 23.5 | 23.8 | 24.3 |
| 8H | 23.1 | 23.4 | 23.5 | 23.8 | 24.3 | 23.4 | 23.7 | 23.9 | 24.1 | 24.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.3 / - 0.4 | | | | |
| 1.5H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.4 | | | | |
| 2.0H | + 0.5 / - 0.6 | | | | | + 0.6 / - 0.6 | | | | |

CIE Pub.117 Corrected 58137 lm Total Lamp Luminous Flux.(8log(F/F0) = 14.1)

Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年08月02日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks: