

# 東芝照明器具配光データシート

非常灯

|     |                  |
|-----|------------------|
| 名 称 | 非常用蛍光灯組込形 (電池内蔵) |
| 形 名 | FHDJ-31015-PN8   |

|             |      |
|-------------|------|
| 保 守 率       | 0.63 |
| 光 束 換 算 係 数 | 1.00 |

|     |     |               |
|-----|-----|---------------|
| 光 源 | 平常時 | FHT32EX-L × 1 |
|     | 非常時 | FHT32EX-L × 1 |
| 光 束 | 定 格 | 2400 lm       |
|     | 非常時 | 720 lm        |

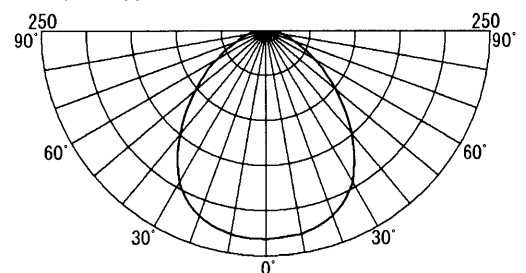
|        |      |
|--------|------|
| 前 面    | 下面開放 |
| 反射面    |      |
| 塗装 (白) |      |

|     |                                                |
|-----|------------------------------------------------|
| θ   | 0°                                             |
| φ   | 180° (A'), 135° (C'), 90° (B), 45° (C), 0° (A) |
| 備 考 |                                                |

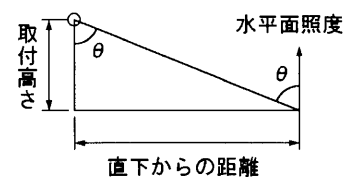
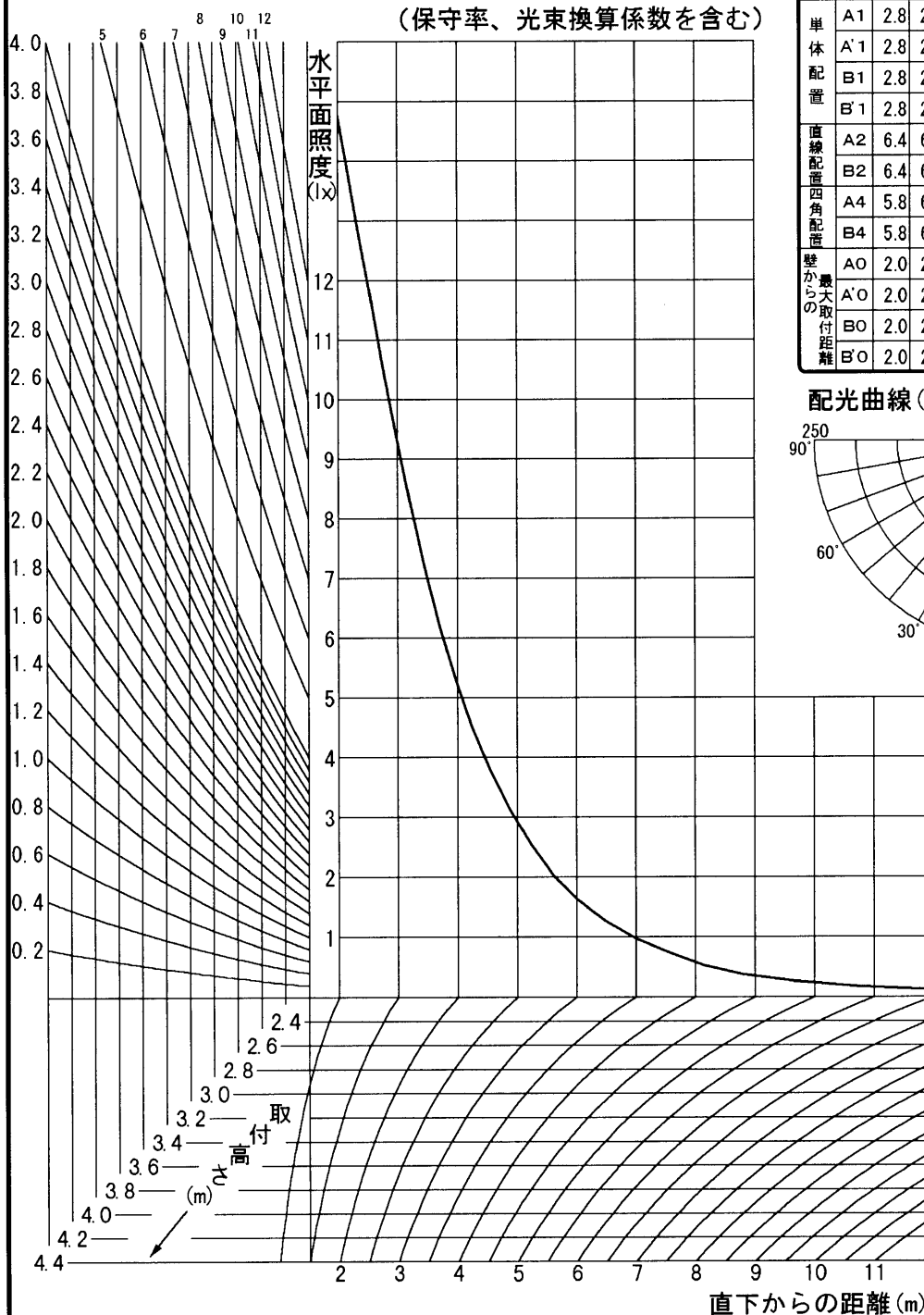
配置表 (保守率、光束換算係数を含む)

| 取付高さ            | 2.1 | 2.4 | 2.6 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 6.0 | 7.0 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 単 体 配 置         |     |     |     |     |     |     |     |     |     |     |
| A1              | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.2 | 3.2 | 2.7 | 1.3 |
| A'1             | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.2 | 3.2 | 2.7 | 1.3 |
| B1              | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.2 | 3.2 | 2.7 | 1.3 |
| B'1             | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.2 | 3.2 | 2.7 | 1.3 |
| 直 線 配 置 四 角 配 置 |     |     |     |     |     |     |     |     |     |     |
| A2              | 6.4 | 6.8 | 7.2 | 7.6 | 8.0 | 8.4 | 8.6 | 8.8 | 8.8 | 8.6 |
| B2              | 6.4 | 6.8 | 7.2 | 7.6 | 8.0 | 8.4 | 8.6 | 8.8 | 8.8 | 8.6 |
| A4              | 5.8 | 6.2 | 6.4 | 6.8 | 7.3 | 7.7 | 8.0 | 8.3 | 8.8 | 8.6 |
| B4              | 5.8 | 6.2 | 6.4 | 6.8 | 7.3 | 7.7 | 8.0 | 8.3 | 8.8 | 8.6 |
| 壁 からの 最大取付距離    |     |     |     |     |     |     |     |     |     |     |
| A0              | 2.0 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.2 | 2.0 | 2.2 |
| A'0             | 2.0 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.2 | 2.0 | 2.2 |
| B0              | 2.0 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.2 | 2.0 | 2.2 |
| B'0             | 2.0 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.2 | 2.0 | 2.2 |

配光曲線 (cd/1000lm)



φ = 0°



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| 形 名 | FHDJ-31015-PN8   |

|             |      |
|-------------|------|
| 保 守 率       | 0.63 |
| 光 束 換 算 係 数 | 1.00 |

|    |     |               |
|----|-----|---------------|
| 光源 | 平常時 | FHT32EX-L × 1 |
|    | 非常時 | FHT32EX-L × 1 |
| 光束 | 定 格 | 2400 lm       |
|    | 非常時 | 720 lm        |

|        |
|--------|
| 前 面    |
| 下面開放   |
| 反射面    |
| 塗装 (白) |

|          |        |
|----------|--------|
| $\theta$ |        |
|          | $\phi$ |
| 備 考      |        |

| 光度 (cd/1000lm)           |        |         |         |           |           |  |
|--------------------------|--------|---------|---------|-----------|-----------|--|
| $\theta \backslash \phi$ | 0° (A) | 45° (C) | 90° (B) | 135° (C') | 180° (A') |  |
| 0°                       | 231    |         |         |           |           |  |
| 10°                      | 229    |         |         |           |           |  |
| 20°                      | 218    |         |         |           |           |  |
| 30°                      | 193    |         |         |           |           |  |
| 40°                      | 148    |         |         |           |           |  |
| 50°                      | 102    |         |         |           |           |  |
| 60°                      | 62     |         |         |           |           |  |
| 70°                      | 33     |         |         |           |           |  |
| 80°                      | 16     |         |         |           |           |  |
| 90°                      | 0      |         |         |           |           |  |
| 100°                     | 0      |         |         |           |           |  |
| 110°                     | 0      |         |         |           |           |  |
| 120°                     | 0      |         |         |           |           |  |
| 130°                     | 0      |         |         |           |           |  |
| 140°                     | 0      |         |         |           |           |  |
| 150°                     | 0      |         |         |           |           |  |
| 160°                     | 0      |         |         |           |           |  |
| 170°                     | 0      |         |         |           |           |  |
| 180°                     | 0      |         |         |           |           |  |

| 器具直下からの各方向への指定照度が得られる距離 (m) (保守率、光束換算係数を含む) |      |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|---------------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|---|
| 照度 (lx) $\backslash$ 取付け高さ (m)              | 2.1  | 2.4 | 2.6 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 |   |
| 2                                           | 0°   | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.2 | 3.2 | 2.7 | 1.3 | -    | -    | -    | -    | - |
|                                             | 45°  |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 90°  |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 135° |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 180° |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
| 1                                           | 0°   | 3.4 | 3.6 | 3.8 | 4.0 | 4.2 | 4.4 | 4.5 | 4.6 | 4.6 | 4.5 | 4.1  | 1.6  | -    | -    | - |
|                                             | 45°  |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 90°  |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 135° |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 180° |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
| 0.5                                         | 0°   | 4.2 | 4.4 | 4.6 | 4.9 | 5.2 | 5.5 | 5.7 | 5.9 | 6.3 | 6.5 | 6.5  | 6.3  | 5.3  | 2.7  | - |
|                                             | 45°  |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 90°  |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 135° |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |
|                                             | 180° |     |     |     |     |     |     |     |     |     |     |      |      |      |      |   |

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|     |                                        |        |        |     |
|-----|----------------------------------------|--------|--------|-----|
| 名 称 | 非常用蛍光灯組込形 (電池内蔵)                       | 保守率    | 0.63   |     |
| 形 名 | FHDJ-31015-PN8                         | 光束換算係数 | 1.00   |     |
| 光源  | 平常時 FHT32EX-L × 1<br>非常時 FHT32EX-L × 1 | 前 面    | 下面開放   |     |
| 光束  | 定 格 2400 lm<br>非常時 720 lm              | 反射面    | 塗装 (白) |     |
|     |                                        |        |        | 備 考 |

配置表 (保守率、光束換算係数を含む)

| 取 付 高 さ        |     | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 単 体 配 置        | A1  | 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
|                | A'1 | 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
|                | B1  | 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
|                | B'1 | 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 直 線 配 置        | A2  | 6.4 | 6.6 | 6.8 | 6.8 | 7.0 | 7.2 | 7.2 | 7.4 | 7.4 | 7.6 | 7.6 | 7.8 | 7.8 | 8.0 | 8.0 | 8.0 |
|                | B2  | 6.4 | 6.6 | 6.8 | 6.8 | 7.0 | 7.2 | 7.2 | 7.4 | 7.4 | 7.6 | 7.6 | 7.8 | 7.8 | 8.0 | 8.0 | 8.0 |
| 四 角 配 置        | A4  | 5.8 | 5.9 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 |
|                | B4  | 5.8 | 5.9 | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 |
| 壁からの<br>最大取付距離 | A0  | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.2 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 |
|                | A'0 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.2 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 |
|                | B0  | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.2 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 |
|                | B'0 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.2 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 |

| 取 付 高 さ        |     | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 単 体 配 置        | A1  | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 3.0 | 2.7 | 2.2 | 1.3 | -   | -   |
|                | A'1 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 3.0 | 2.7 | 2.2 | 1.3 | -   | -   |
|                | B1  | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 3.0 | 2.7 | 2.2 | 1.3 | -   | -   |
|                | B'1 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 3.0 | 2.7 | 2.2 | 1.3 | -   | -   |
| 直 線 配 置        | A2  | 8.2 | 8.2 | 8.4 | 8.4 | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 | 8.8 | 9.0 | 8.8 | 8.8 | 8.6 | 8.4 | 7.8 |
|                | B2  | 8.2 | 8.2 | 8.4 | 8.4 | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 | 8.8 | 9.0 | 8.8 | 8.8 | 8.6 | 8.4 | 7.8 |
| 四 角 配 置        | A4  | 7.5 | 7.6 | 7.6 | 7.7 | 7.8 | 7.9 | 7.9 | 8.0 | 8.0 | 8.3 | 8.6 | 8.8 | 8.8 | 8.6 | 8.4 | 7.8 |
|                | B4  | 7.5 | 7.6 | 7.6 | 7.7 | 7.8 | 7.9 | 7.9 | 8.0 | 8.0 | 8.3 | 8.6 | 8.8 | 8.8 | 8.6 | 8.4 | 7.8 |
| 壁からの<br>最大取付距離 | A0  | 2.3 | 2.3 | 2.3 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.0 | 2.0 | 2.2 | 2.0 | 1.9 |
|                | A'0 | 2.3 | 2.3 | 2.3 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.0 | 2.0 | 2.2 | 2.0 | 1.9 |
|                | B0  | 2.3 | 2.3 | 2.3 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.0 | 2.0 | 2.2 | 2.0 | 1.9 |
|                | B'0 | 2.3 | 2.3 | 2.3 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.0 | 2.0 | 2.2 | 2.0 | 1.9 |

| 取 付 高 さ        |     | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 単 体 配 置        | A1  | -   | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                | A'1 | -   | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                | B1  | -   | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                | B'1 | -   | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 直 線 配 置        | A2  | 7.2 | 6.2 | 4.8 | 2.4  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                | B2  | 7.2 | 6.2 | 4.8 | 2.4  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 四 角 配 置        | A4  | 7.2 | 6.2 | 4.8 | 2.4  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                | B4  | 7.2 | 6.2 | 4.8 | 2.4  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
| 壁からの<br>最大取付距離 | A0  | 1.8 | 2.1 | 2.7 | 3.9  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                | A'0 | 1.8 | 2.1 | 2.7 | 3.9  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                | B0  | 1.8 | 2.1 | 2.7 | 3.9  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|                | B'0 | 1.8 | 2.1 | 2.7 | 3.9  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |

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非常灯

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| 形 名 | FHDJ-31015-PN8   |

|             |      |
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| 保 守 率       | 0.63 |
| 光 束 換 算 係 数 | 1.00 |

|    |     |               |
|----|-----|---------------|
| 光源 | 平常時 | FHT32EX-L × 1 |
|    | 非常時 | FHT32EX-L × 1 |
| 光束 | 定 格 | 2400 lm       |
|    | 非常時 | 720 lm        |

|        |
|--------|
| 前 面    |
| 下面開放   |
| 反射面    |
| 塗装 (白) |

|          |        |
|----------|--------|
| $\theta$ |        |
|          | $\phi$ |
| 備 考      |        |

器具直下からの各方面への指定照度が得られる距離 (m) (保守率、光束換算係数を含む)

| 取付け高さ (m) | 2.1  | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 |
|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2         | 0°   | 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
|           | 45°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 90°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 135° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 180° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 1         | 0°   | 3.4 | 3.5 | 3.6 | 3.6 | 3.7 | 3.8 | 3.8 | 3.9 | 3.9 | 4.0 | 4.0 | 4.1 | 4.1 | 4.1 | 4.2 |
|           | 45°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 90°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 135° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 180° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0.5       | 0°   | 4.2 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.6 | 4.7 | 4.8 | 4.9 | 4.9 | 5.0 | 5.1 | 5.2 | 5.3 |
|           | 45°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 90°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 135° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 180° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

| 取付け高さ (m) | 3.7  | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 |
|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2         | 0°   | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 3.0 | 2.7 | 2.2 | 1.3 | -   |
|           | 45°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 90°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 135° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 180° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 1         | 0°   | 4.3 | 4.3 | 4.3 | 4.4 | 4.4 | 4.4 | 4.4 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.4 |
|           | 45°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 90°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 135° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 180° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0.5       | 0°   | 5.3 | 5.4 | 5.4 | 5.5 | 5.5 | 5.6 | 5.6 | 5.7 | 5.7 | 5.9 | 6.1 | 6.3 | 6.4 | 6.5 | 6.5 |
|           | 45°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 90°  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 135° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|           | 180° |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

| 取付け高さ (m) | 8.5  | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 |
|-----------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2         | 0°   | -   | -   | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|           | 45°  |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 90°  |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 135° |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 180° |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 1         | 0°   | 3.8 | 3.4 | 2.7  | 1.6  | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    | -    |
|           | 45°  |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 90°  |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 135° |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 180° |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 0.5       | 0°   | 6.5 | 6.5 | 6.4  | 6.3  | 6.2  | 6.0  | 5.7  | 5.3  | 4.9  | 4.4  | 3.7  | 2.7  | -    | -    | -    |
|           | 45°  |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 90°  |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 135° |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|           | 180° |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |