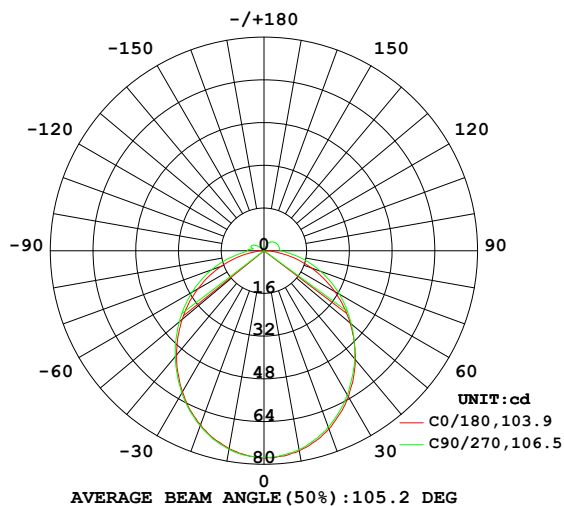


LUMINAIRE PHOTOMETRIC TEST REPORT

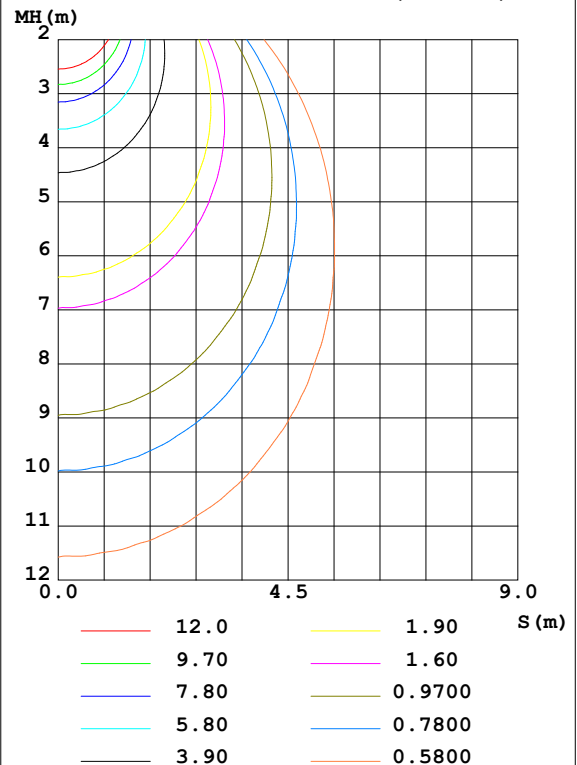
| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.681x1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 81.61 lm/W | | | |
|-------------------|---------|----------------------------------|--------|--------------------|----------|
| MODEL | | I _{max} (cd) | 77.71 | S/MH (C0/180) | 1.18 |
| NOMINAL POWER (W) | | LOR (%) | 100.0 | S/MH (C90/270) | 1.19 |
| RATED VOLTAGE (V) | | TOTAL FLUX (lm) | 222.71 | η UP,DN (C0-180) | 3.5,48.1 |
| NOMINAL FLUX (lm) | 222.681 | CIE CLASS | DIRECT | η UP,DN (C180-360) | 2.3,46.0 |
| LAMPS INSIDE | 1 | η up (%) | 5.9 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE (V) | | η down (%) | 94.2 | CIBSE SHR MAX | 1.35 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JZ
 Test Date:2023-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

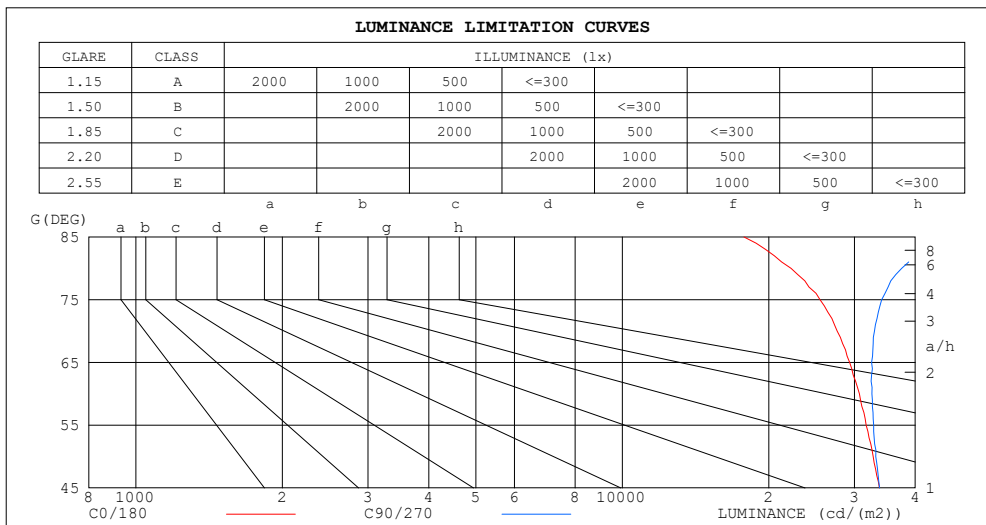
| γ | C0 | C90 | C180 | C270 | | | | | γ | Φ zone | Φ total | %lum, lamp |
|----------|-----------------------|--------|--------|--------|--|--|--|--|----------|-------------|--------------|------------|
| 10 | 76.05 | 75.70 | 75.32 | 75.53 | | | | | 0- 10 | 7.308 | 7.308 | 3.28,3.28 |
| 20 | 71.07 | 70.27 | 69.33 | 69.79 | | | | | 10- 20 | 20.65 | 27.96 | 12.6,12.6 |
| 30 | 63.23 | 62.35 | 61.03 | 61.50 | | | | | 20- 30 | 30.57 | 58.53 | 26.3,26.3 |
| 40 | 53.07 | 52.85 | 50.94 | 51.69 | | | | | 30- 40 | 35.79 | 94.32 | 42.4,42.4 |
| 50 | 42.16 | 42.67 | 39.99 | 41.36 | | | | | 40- 50 | 36.20 | 130.5 | 58.6,58.6 |
| 60 | 30.72 | 32.59 | 28.61 | 31.08 | | | | | 50- 60 | 32.36 | 162.9 | 73.1,73.1 |
| 70 | 18.91 | 22.55 | 17.11 | 20.93 | | | | | 60- 70 | 25.04 | 187.9 | 84.4,84.4 |
| 80 | 7.721 | 13.04 | 6.221 | 11.40 | | | | | 70- 80 | 15.45 | 203.4 | 91.3,91.3 |
| 90 | 0.4343 | 6.341 | 0.0984 | 6.232 | | | | | 80- 90 | 6.302 | 209.7 | 94.1,94.2 |
| 100 | 0.0739 | 5.872 | 0.1111 | 4.090 | | | | | 90-100 | 3.171 | 212.8 | 95.6,95.6 |
| 110 | 0.0739 | 5.742 | 0.1549 | 5.146 | | | | | 100-110 | 2.849 | 215.7 | 96.8,96.9 |
| 120 | 0.1377 | 5.468 | 0.1964 | 4.214 | | | | | 110-120 | 2.662 | 218.3 | 98,98.1 |
| 130 | 0.1524 | 5.024 | 0.2398 | 2.014 | | | | | 120-130 | 2.014 | 220.4 | 98.9,99 |
| 140 | 0.1650 | 4.347 | 0.2900 | 0.2661 | | | | | 130-140 | 1.093 | 221.4 | 99.4,99.4 |
| 150 | 0.2075 | 3.485 | 0.3189 | 0.2807 | | | | | 140-150 | 0.7433 | 222.2 | 99.8,99.8 |
| 160 | 0.2707 | 0.7624 | 0.3671 | 0.2953 | | | | | 150-160 | 0.3797 | 222.6 | 99.9,100 |
| 170 | 0.3520 | 0.3778 | 0.3837 | 0.3341 | | | | | 160-170 | 0.1021 | 222.7 | 100,100 |
| 180 | 0.3695 | 0.3572 | 0.3695 | 0.3695 | | | | | 170-180 | 0.0354 | 222.7 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.681x1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 17793 | 51539 |
| 80 | 22232 | 37533 |
| 75 | 25485 | 34131 |
| 70 | 27638 | 32973 |
| 65 | 29319 | 32544 |
| 60 | 30715 | 32592 |
| 55 | 31716 | 32857 |
| 50 | 32794 | 33189 |
| 45 | 33764 | 33784 |

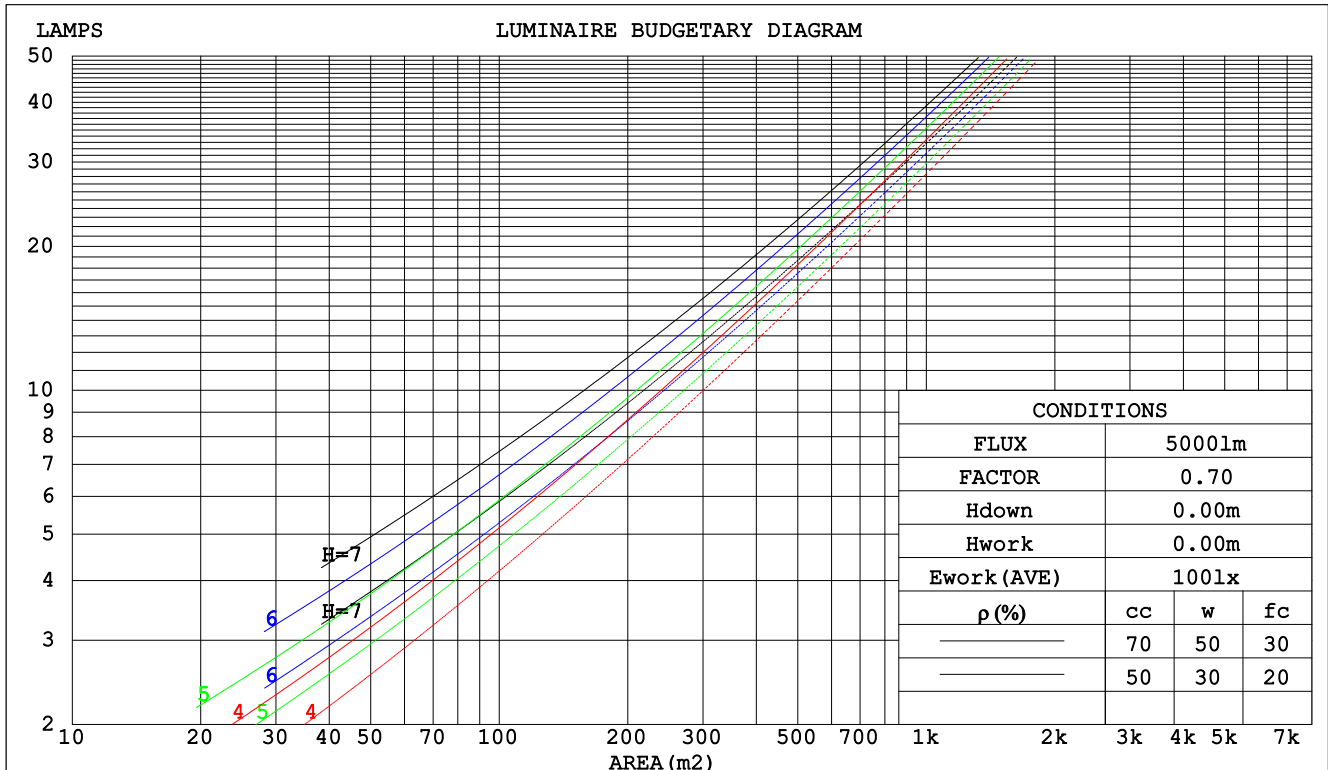
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.68lx1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz | | |
| Lamp Flux:222.681x1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|------|-----------------------|------|------|------|------|------|--------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coeffcients(WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .317 | .180 | .057 | .308 | .176 | .056 | .292 | .167 | .053 | .276 | .159 | .051 | .262 | .152 | .049 | | |
| 2.0 | .293 | .161 | .049 | .285 | .157 | .048 | .270 | .150 | .047 | .257 | .144 | .045 | .244 | .138 | .044 | | |
| 3.0 | .269 | .143 | .043 | .262 | .140 | .042 | .249 | .135 | .041 | .237 | .130 | .040 | .225 | .125 | .039 | | |
| 4.0 | .247 | .129 | .038 | .241 | .126 | .037 | .229 | .122 | .036 | .218 | .117 | .035 | .208 | .113 | .034 | | |
| 5.0 | .228 | .116 | .034 | .223 | .114 | .033 | .212 | .110 | .033 | .202 | .107 | .032 | .193 | .103 | .031 | | |
| 6.0 | .211 | .106 | .030 | .206 | .104 | .030 | .197 | .101 | .029 | .188 | .098 | .029 | .180 | .095 | .028 | | |
| 7.0 | .197 | .097 | .028 | .192 | .096 | .027 | .183 | .093 | .027 | .175 | .090 | .026 | .168 | .087 | .026 | | |
| 8.0 | .184 | .090 | .025 | .179 | .088 | .025 | .172 | .086 | .024 | .164 | .083 | .024 | .157 | .081 | .024 | | |
| 9.0 | .172 | .083 | .023 | .168 | .082 | .023 | .161 | .080 | .023 | .154 | .077 | .022 | .148 | .075 | .022 | | |
| 10.0 | .162 | .078 | .022 | .158 | .076 | .021 | .152 | .074 | .021 | .146 | .072 | .021 | .140 | .070 | .020 | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .235 | .235 | .235 | .201 | .201 | .201 | .137 | .137 | .137 | .079 | .079 | .079 | .025 | .025 | .025 | |
| 1.0 | .226 | .201 | .179 | .193 | .173 | .154 | .132 | .119 | .106 | .076 | .069 | .062 | .024 | .022 | .020 | |
| 2.0 | .218 | .177 | .143 | .187 | .153 | .124 | .128 | .106 | .086 | .074 | .061 | .051 | .024 | .020 | .016 | |
| 3.0 | .210 | .160 | .120 | .180 | .138 | .104 | .124 | .096 | .073 | .071 | .056 | .043 | .023 | .018 | .014 | |
| 4.0 | .202 | .147 | .104 | .174 | .127 | .091 | .119 | .088 | .064 | .069 | .052 | .038 | .022 | .017 | .012 | |
| 5.0 | .195 | .136 | .093 | .167 | .118 | .081 | .115 | .082 | .057 | .067 | .048 | .034 | .022 | .016 | .011 | |
| 6.0 | .188 | .128 | .086 | .161 | .111 | .074 | .111 | .078 | .053 | .065 | .046 | .031 | .021 | .015 | .010 | |
| 7.0 | .181 | .121 | .080 | .155 | .105 | .069 | .107 | .074 | .049 | .062 | .043 | .029 | .020 | .014 | .010 | |
| 8.0 | .174 | .116 | .075 | .150 | .100 | .066 | .104 | .070 | .047 | .060 | .042 | .028 | .020 | .014 | .009 | |
| 9.0 | .168 | .111 | .072 | .145 | .096 | .063 | .100 | .068 | .044 | .059 | .040 | .027 | .019 | .013 | .009 | |
| 10.0 | .163 | .106 | .069 | .140 | .092 | .060 | .097 | .065 | .043 | .057 | .038 | .026 | .018 | .013 | .008 | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|----------------|----------------|------|------------------|------|------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.681x1 lm | | | | | | | | | | |
| NAME: RIBDC-8-30K-AM | | | | | TYPE: | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: RAYHIL | | | | | SUR.: 0.01*0.2 | | | Shielding Angle: | | |
| 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 | 29.7 | 31.1 | 30.1 | 31.5 | 31.8 | 29.9 | 31.3 | 30.2 | 31.6 | 32.0 |
| 3H | 31.2 | 32.5 | 31.6 | 32.9 | 33.2 | 31.6 | 33.0 | 32.0 | 33.3 | 33.6 |
| 4H | 31.8 | 33.0 | 32.2 | 33.4 | 33.8 | 32.5 | 33.7 | 32.9 | 34.1 | 34.4 |
| 6H | 32.2 | 33.4 | 32.6 | 33.8 | 34.2 | 33.2 | 34.4 | 33.6 | 34.8 | 35.2 |
| 8H | 32.3 | 33.5 | 32.7 | 33.8 | 34.3 | 33.6 | 34.7 | 34.0 | 35.1 | 35.5 |
| 12H | 32.4 | 33.5 | 32.8 | 33.9 | 34.3 | 33.9 | 35.0 | 34.4 | 35.4 | 35.9 |
| 4H 2H | 30.3 | 31.6 | 30.7 | 32.0 | 32.3 | 30.5 | 31.7 | 30.9 | 32.1 | 32.5 |
| 3H | 32.0 | 33.1 | 32.5 | 33.5 | 34.0 | 32.4 | 33.5 | 32.9 | 33.9 | 34.3 |
| 4H | 32.8 | 33.8 | 33.2 | 34.2 | 34.6 | 33.4 | 34.4 | 33.8 | 34.8 | 35.3 |
| 6H | 33.3 | 34.2 | 33.8 | 34.7 | 35.1 | 34.3 | 35.2 | 34.8 | 35.6 | 36.1 |
| 8H | 33.5 | 34.3 | 34.0 | 34.8 | 35.3 | 34.7 | 35.6 | 35.2 | 36.0 | 36.5 |
| 12H | 33.6 | 34.4 | 34.1 | 34.8 | 35.4 | 35.2 | 36.0 | 35.7 | 36.4 | 37.0 |
| 8H 4H | 33.1 | 33.9 | 33.6 | 34.4 | 34.9 | 33.6 | 34.5 | 34.1 | 34.9 | 35.5 |
| 6H | 33.8 | 34.5 | 34.4 | 35.0 | 35.6 | 34.7 | 35.4 | 35.3 | 35.9 | 36.5 |
| 8H | 34.1 | 34.7 | 34.7 | 35.3 | 35.8 | 35.3 | 35.9 | 35.9 | 36.5 | 37.0 |
| 12H | 34.3 | 34.9 | 34.9 | 35.4 | 36.0 | 35.9 | 36.5 | 36.5 | 37.0 | 37.6 |
| 12H 4H | 33.2 | 33.9 | 33.7 | 34.4 | 34.9 | 33.7 | 34.4 | 34.2 | 34.9 | 35.4 |
| 6H | 34.0 | 34.6 | 34.5 | 35.1 | 35.7 | 34.8 | 35.4 | 35.4 | 36.0 | 36.5 |
| 8H | 34.3 | 34.8 | 34.9 | 35.4 | 36.0 | 35.4 | 36.0 | 36.0 | 36.5 | 37.1 |
| Variations with the observer position at spacings(CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.1 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117, 222.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.2)
Area: 0.002 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.681x1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |

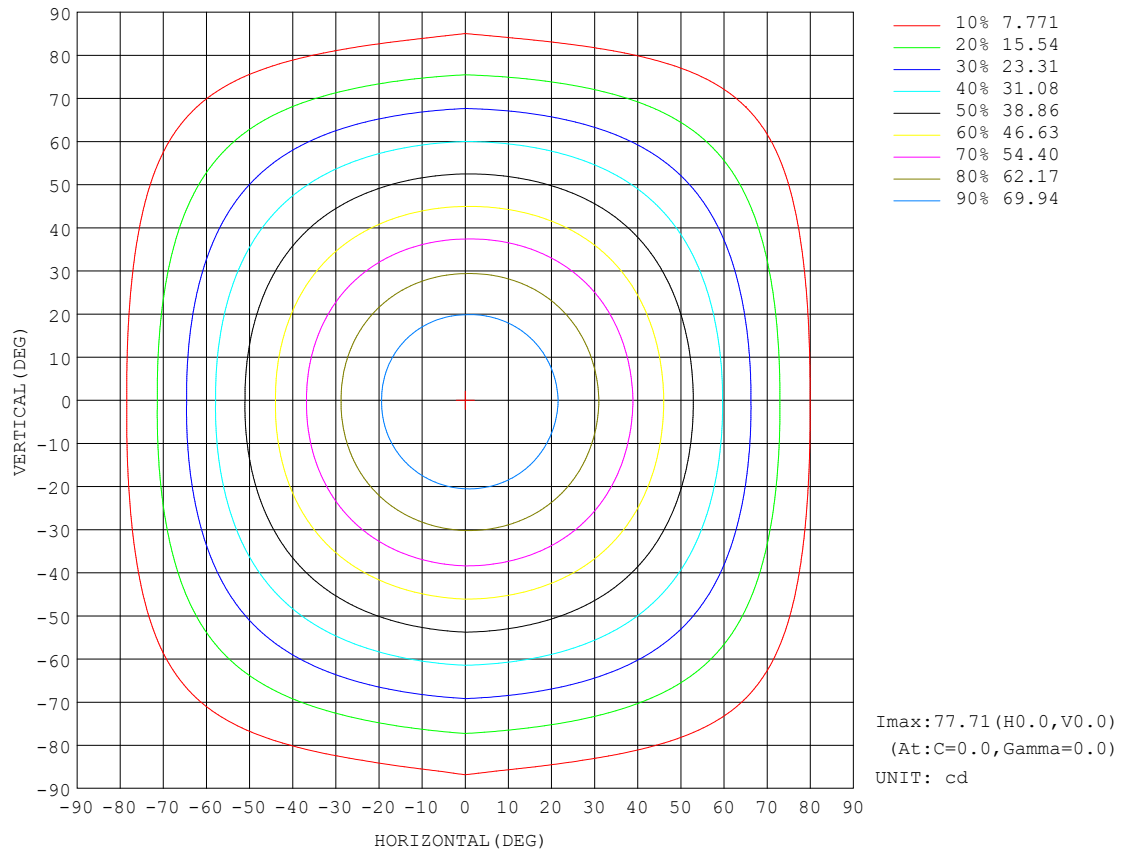
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----|-----------|-----|-----|-----|--------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 56 | 44 | 38 | 55 | 44 | 37 | 54 | 44 | 37 | 31 |
| 0.80 | 66 | 54 | 47 | 65 | 54 | 47 | 63 | 53 | 46 | 39 |
| 1.00 | 74 | 63 | 55 | 73 | 62 | 55 | 70 | 63 | 54 | 47 |
| 1.25 | 81 | 70 | 63 | 79 | 69 | 62 | 76 | 67 | 61 | 53 |
| 1.50 | 86 | 76 | 68 | 84 | 75 | 68 | 80 | 72 | 66 | 58 |
| 2.00 | 93 | 84 | 77 | 90 | 82 | 76 | 86 | 79 | 74 | 65 |
| 2.50 | 97 | 88 | 82 | 94 | 87 | 81 | 90 | 83 | 79 | 69 |
| 3.00 | 100 | 93 | 87 | 97 | 91 | 85 | 93 | 87 | 83 | 73 |
| 4.00 | 104 | 98 | 93 | 101 | 96 | 91 | 96 | 92 | 88 | 77 |
| 5.00 | 107 | 101 | 97 | 104 | 99 | 95 | 98 | 94 | 91 | 80 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | | Suspended | | | | SHRNM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.68lx1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |

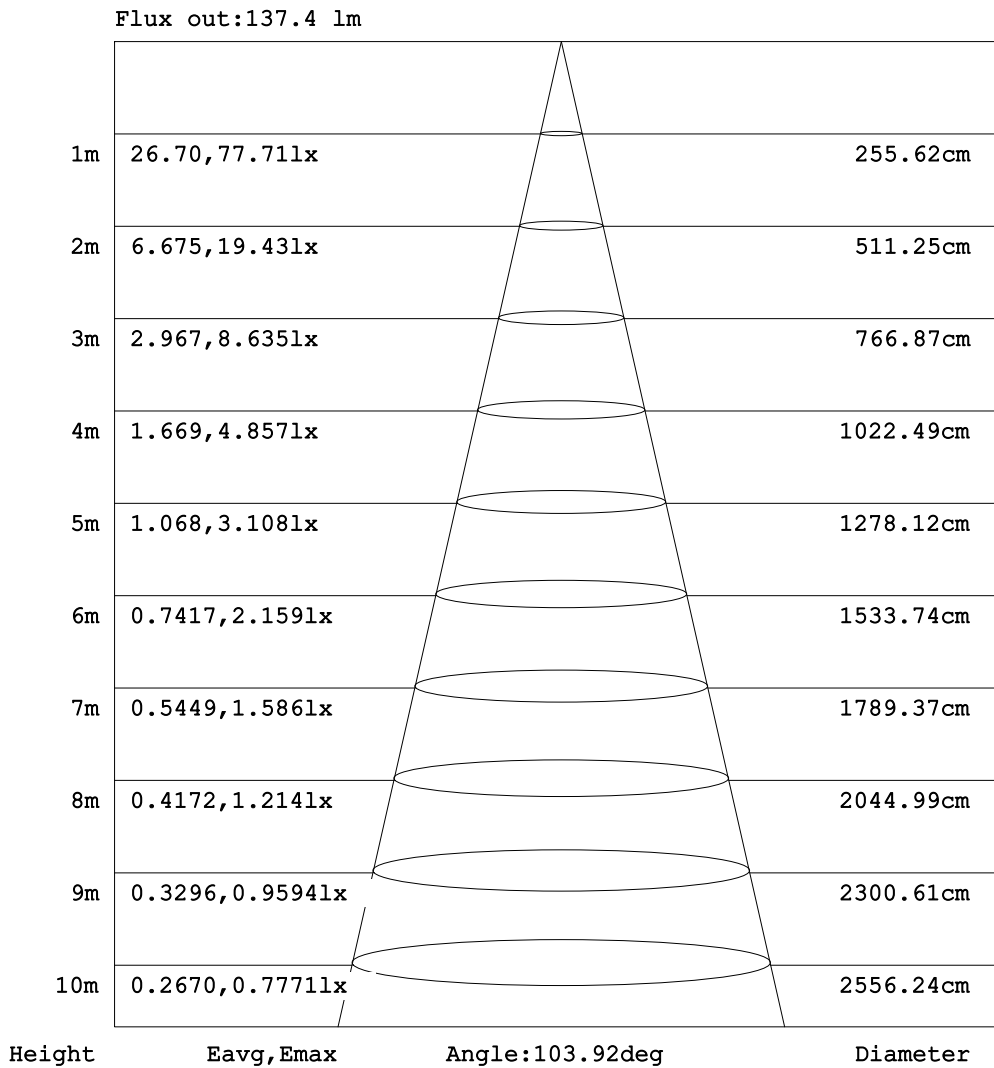


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.681x1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |



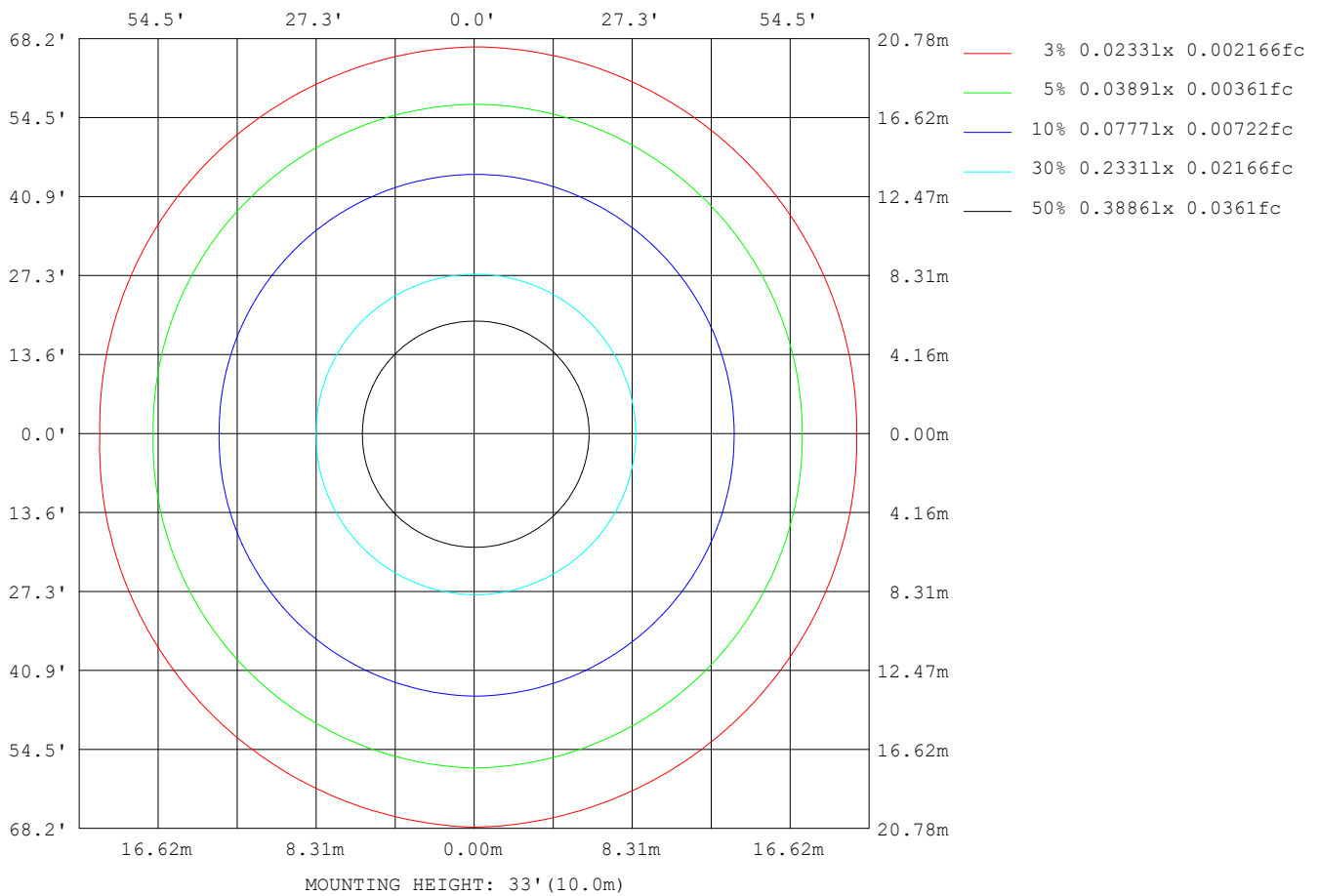
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.68lx1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

LED Avg.L Report

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.681x1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |

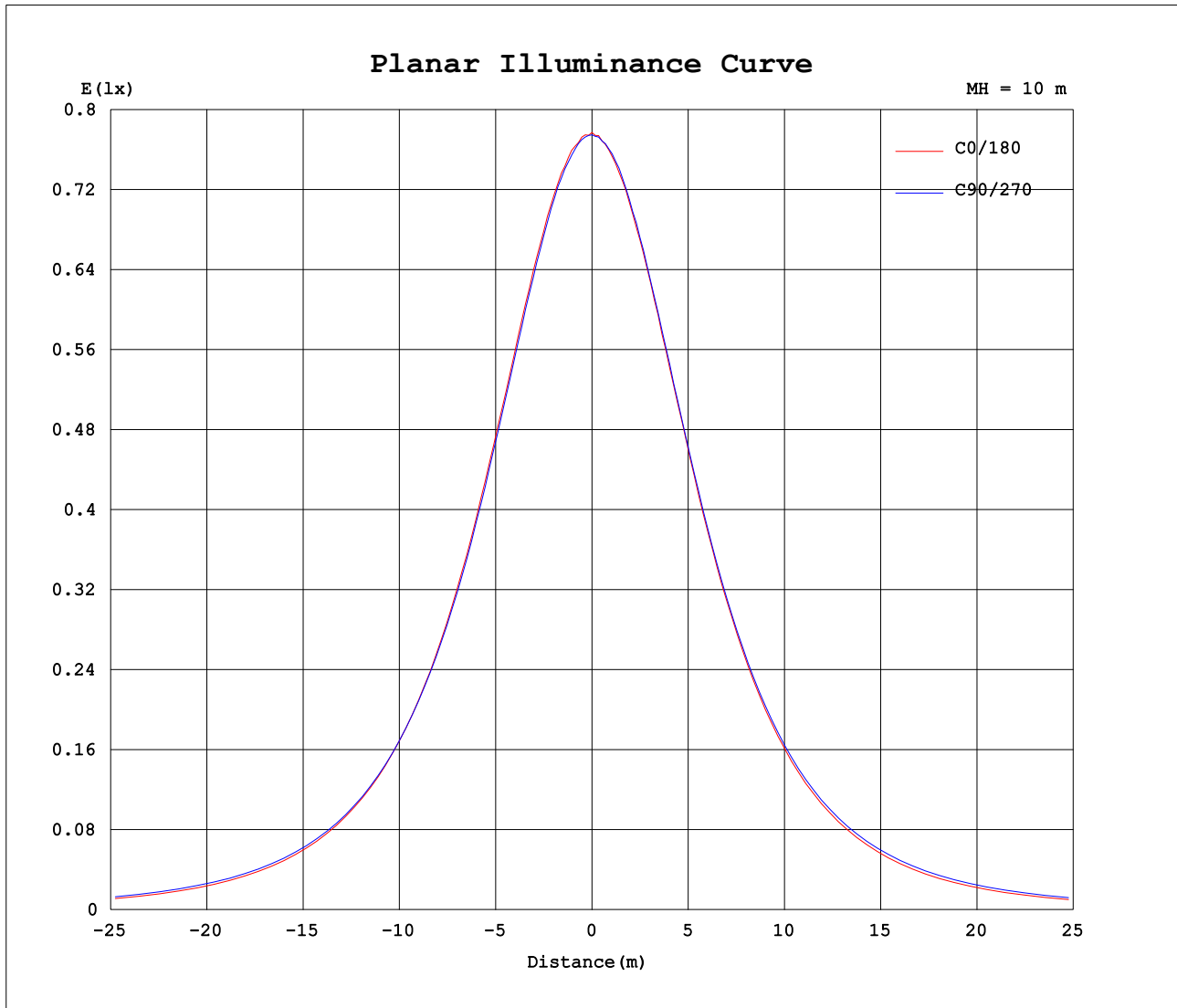
| AvgL | cd/m2 |
|------------------|-------|
| L_0~180 (65) av | 28161 |
| L_0~180 (75) av | 23820 |
| L_0~180 (85) av | 14563 |
| L_90~270 (65) av | 31635 |
| L_90~270 (75) av | 32515 |
| L_90~270 (85) av | 48078 |
| L_45 (65) av | 30260 |
| L_45 (75) av | 29150 |
| L_45 (85) av | 35308 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JZ
 Test Date: 2023-08-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------------|------------------|
| Test:U:24.001V I:0.1137A P:2.7289W PF:1.0000 Freq:0Hz Lamp Flux:222.681x1 lm | | |
| NAME: RIBDC-8-30K-AM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: RAYHIL | SUR.: 0.01*0.2 | Shielding Angle: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 90 | 180 | 270 | | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 77.7 | 77.5 | 77.7 | 77.5 | | | | | | | | | | | | | | | |
| 5 | 77.2 | 76.9 | 76.8 | 77.0 | | | | | | | | | | | | | | | |
| 10 | 76.0 | 75.7 | 75.3 | 75.5 | | | | | | | | | | | | | | | |
| 15 | 73.9 | 73.3 | 72.8 | 73.2 | | | | | | | | | | | | | | | |
| 20 | 71.1 | 70.3 | 69.3 | 69.8 | | | | | | | | | | | | | | | |
| 25 | 67.3 | 66.6 | 65.7 | 65.9 | | | | | | | | | | | | | | | |
| 30 | 63.2 | 62.4 | 61.0 | 61.5 | | | | | | | | | | | | | | | |
| 35 | 58.3 | 57.6 | 56.2 | 56.7 | | | | | | | | | | | | | | | |
| 40 | 53.1 | 52.9 | 50.9 | 51.7 | | | | | | | | | | | | | | | |
| 45 | 47.7 | 47.8 | 45.6 | 46.5 | | | | | | | | | | | | | | | |
| 50 | 42.2 | 42.7 | 40.0 | 41.4 | | | | | | | | | | | | | | | |
| 55 | 36.4 | 37.7 | 34.4 | 36.2 | | | | | | | | | | | | | | | |
| 60 | 30.7 | 32.6 | 28.6 | 31.1 | | | | | | | | | | | | | | | |
| 65 | 24.8 | 27.5 | 22.8 | 26.0 | | | | | | | | | | | | | | | |
| 70 | 18.9 | 22.6 | 17.1 | 20.9 | | | | | | | | | | | | | | | |
| 75 | 13.2 | 17.7 | 11.5 | 16.0 | | | | | | | | | | | | | | | |
| 80 | 7.72 | 13.0 | 6.22 | 11.4 | | | | | | | | | | | | | | | |
| 85 | 3.10 | 8.98 | 1.98 | 7.78 | | | | | | | | | | | | | | | |
| 90 | 0.43 | 6.34 | 0.10 | 6.23 | | | | | | | | | | | | | | | |
| 95 | 0.07 | 5.95 | 0.09 | 5.67 | | | | | | | | | | | | | | | |
| 100 | 0.07 | 5.87 | 0.11 | 4.09 | | | | | | | | | | | | | | | |
| 105 | 0.07 | 5.81 | 0.13 | 4.91 | | | | | | | | | | | | | | | |
| 110 | 0.07 | 5.74 | 0.15 | 5.15 | | | | | | | | | | | | | | | |
| 115 | 0.10 | 5.65 | 0.18 | 4.80 | | | | | | | | | | | | | | | |
| 120 | 0.14 | 5.47 | 0.20 | 4.21 | | | | | | | | | | | | | | | |
| 125 | 0.15 | 5.26 | 0.21 | 3.33 | | | | | | | | | | | | | | | |
| 130 | 0.15 | 5.02 | 0.24 | 2.01 | | | | | | | | | | | | | | | |
| 135 | 0.15 | 4.69 | 0.26 | 0.26 | | | | | | | | | | | | | | | |
| 140 | 0.17 | 4.35 | 0.29 | 0.27 | | | | | | | | | | | | | | | |
| 145 | 0.19 | 3.95 | 0.32 | 0.27 | | | | | | | | | | | | | | | |
| 150 | 0.21 | 3.48 | 0.32 | 0.28 | | | | | | | | | | | | | | | |
| 155 | 0.23 | 2.53 | 0.35 | 0.29 | | | | | | | | | | | | | | | |
| 160 | 0.27 | 0.76 | 0.37 | 0.30 | | | | | | | | | | | | | | | |
| 165 | 0.30 | 0.41 | 0.38 | 0.31 | | | | | | | | | | | | | | | |
| 170 | 0.35 | 0.38 | 0.38 | 0.33 | | | | | | | | | | | | | | | |
| 175 | 0.38 | 0.37 | 0.39 | 0.36 | | | | | | | | | | | | | | | |
| 180 | 0.37 | 0.36 | 0.37 | 0.37 | | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JZ
Test Date:2023-08-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks: