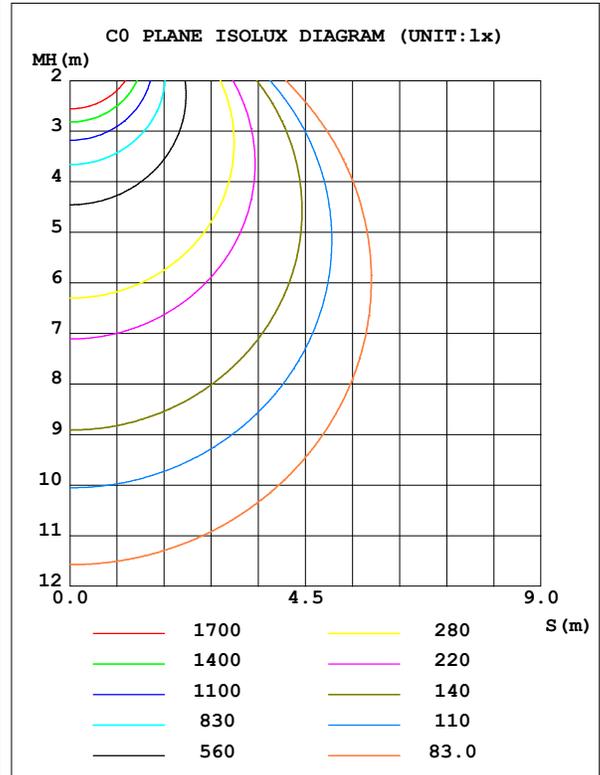
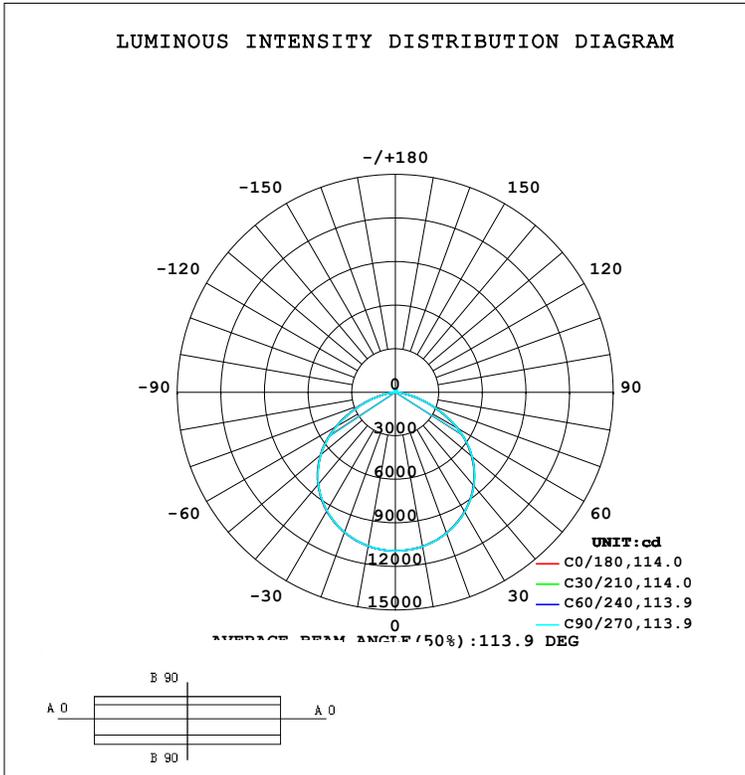


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | | Eff: 161.36 lm/W |
|-------------------|-------------|-----------------------|--------|---------------------|--|------------------|
| MODEL | VT- 90202 | I _{max} (cd) | 10925 | S/MH (C0/180) | | 1.29 |
| NOMINAL POWER (W) | 120/150/200 | LOR (%) | 100.0 | S/MH (C90/270) | | 1.28 |
| RATED VOLTAGE (V) | 230 | TOTAL FLUX (lm) | 31209 | η UP, DN (C0-180) | | 0.9, 49.7 |
| NOMINAL FLUX (lm) | 31209.3 | CIE CLASS | DIRECT | η UP, DN (C180-360) | | 0.8, 48.7 |
| LAMPS INSIDE | 1 | η up (%) | 1.7 | CIBSE SHR NOM | | 1.25 |
| TEST VOLTAGE (V) | 230 | η down (%) | 98.3 | CIBSE SHR MAX | | 1.35 |



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: KAMBEROV
 Test Date: 13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

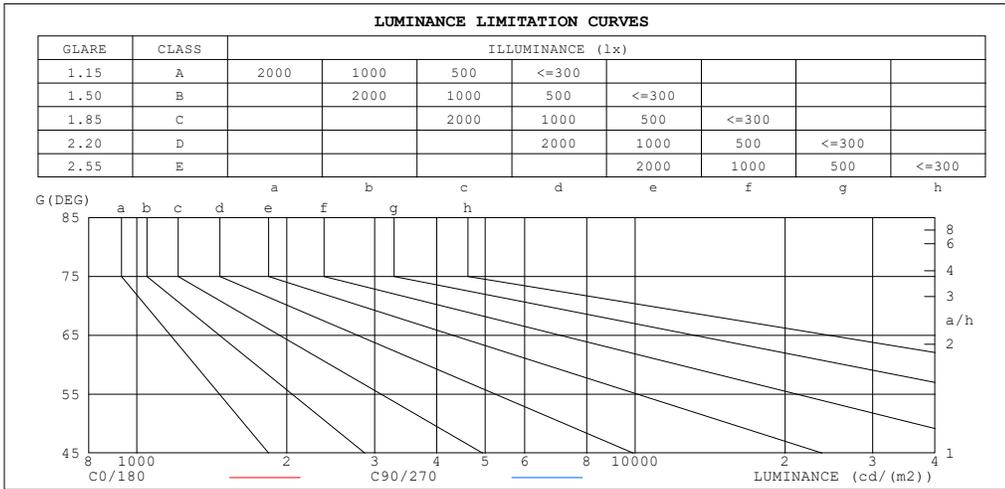
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | $\%lum, lamp$ |
|----------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|----------|-------------|--------------|---------------|
| 10 | 1077 | 1079 | 1078 | 1077 | 1076 | 1075 | 1075 | 1077 | 0- 10 | 1035 | 1035 | 3.32,3.32 |
| 20 | 1030 | 1032 | 1032 | 1029 | 1027 | 1025 | 1025 | 1028 | 10- 20 | 2984 | 4020 | 12.9,12.9 |
| 30 | 949.8 | 953.6 | 953.3 | 948.7 | 946.4 | 942.8 | 943.0 | 947.8 | 20- 30 | 4576 | 8596 | 27.5,27.5 |
| 40 | 835.8 | 840.4 | 840.1 | 833.7 | 830.1 | 825.5 | 826.2 | 832.3 | 30- 40 | 5599 | 14195 | 45.5,45.5 |
| 50 | 684.3 | 690.0 | 689.3 | 680.8 | 675.5 | 669.6 | 670.7 | 679.0 | 40- 50 | 5866 | 20061 | 64.3,64.3 |
| 60 | 488.3 | 495.2 | 493.0 | 480.0 | 473.3 | 464.3 | 464.7 | 477.9 | 50- 60 | 5224 | 25285 | 81,81 |
| 70 | 260.2 | 265.3 | 262.6 | 251.7 | 246.9 | 238.1 | 238.1 | 249.7 | 60- 70 | 3605 | 28889 | 92.6,92.6 |
| 80 | 67.60 | 71.72 | 69.84 | 62.64 | 58.54 | 53.34 | 53.75 | 59.91 | 70- 80 | 1594 | 30484 | 97.7,97.7 |
| 90 | 2.616 | 2.599 | 2.593 | 2.615 | 1.292 | 1.296 | 1.283 | 1.253 | 80- 90 | 208.1 | 30692 | 98.3,98.3 |
| 100 | 3.887 | 3.819 | 3.824 | 3.913 | 2.805 | 2.846 | 2.810 | 2.700 | 90-100 | 27.40 | 30719 | 98.4,98.4 |
| 110 | 6.227 | 6.133 | 6.134 | 6.252 | 5.134 | 5.176 | 5.132 | 5.005 | 100-110 | 46.93 | 30766 | 98.6,98.6 |
| 120 | 8.848 | 8.743 | 8.737 | 8.846 | 7.376 | 7.407 | 7.372 | 7.247 | 110-120 | 68.05 | 30834 | 98.8,98.8 |
| 130 | 11.07 | 10.98 | 10.98 | 11.06 | 9.574 | 9.609 | 9.563 | 9.435 | 120-130 | 82.27 | 30916 | 99.1,99.1 |
| 140 | 12.58 | 12.48 | 12.50 | 12.59 | 11.69 | 11.70 | 11.65 | 11.50 | 130-140 | 86.65 | 31003 | 99.3,99.3 |
| 150 | 13.60 | 13.51 | 13.58 | 13.64 | 13.60 | 13.58 | 13.51 | 13.39 | 140-150 | 80.39 | 31083 | 99.6,99.6 |
| 160 | 14.92 | 14.88 | 14.94 | 14.96 | 15.18 | 15.17 | 15.06 | 15.02 | 150-160 | 66.11 | 31149 | 99.8,99.8 |
| 170 | 16.10 | 16.14 | 16.14 | 16.10 | 16.44 | 16.43 | 16.29 | 16.25 | 160-170 | 44.04 | 31193 | 99.9,99.9 |
| 180 | 16.92 | 16.98 | 16.94 | 16.83 | 16.98 | 16.98 | 16.92 | 16.83 | 170-180 | 15.82 | 31209 | 100,100 |
| DEG | LUMINOUS INTENSITY: μ A10cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

LUMINANCE LIMITATION CURVES

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 39862 | 38099 |
| 80 | 87607 | 88739 |
| 75 | 136524 | 135515 |
| 70 | 171198 | 169366 |
| 65 | 198688 | 196869 |
| 60 | 219781 | 217538 |
| 55 | 232603 | 230029 |
| 50 | 239563 | 236601 |
| 45 | 243433 | 240117 |

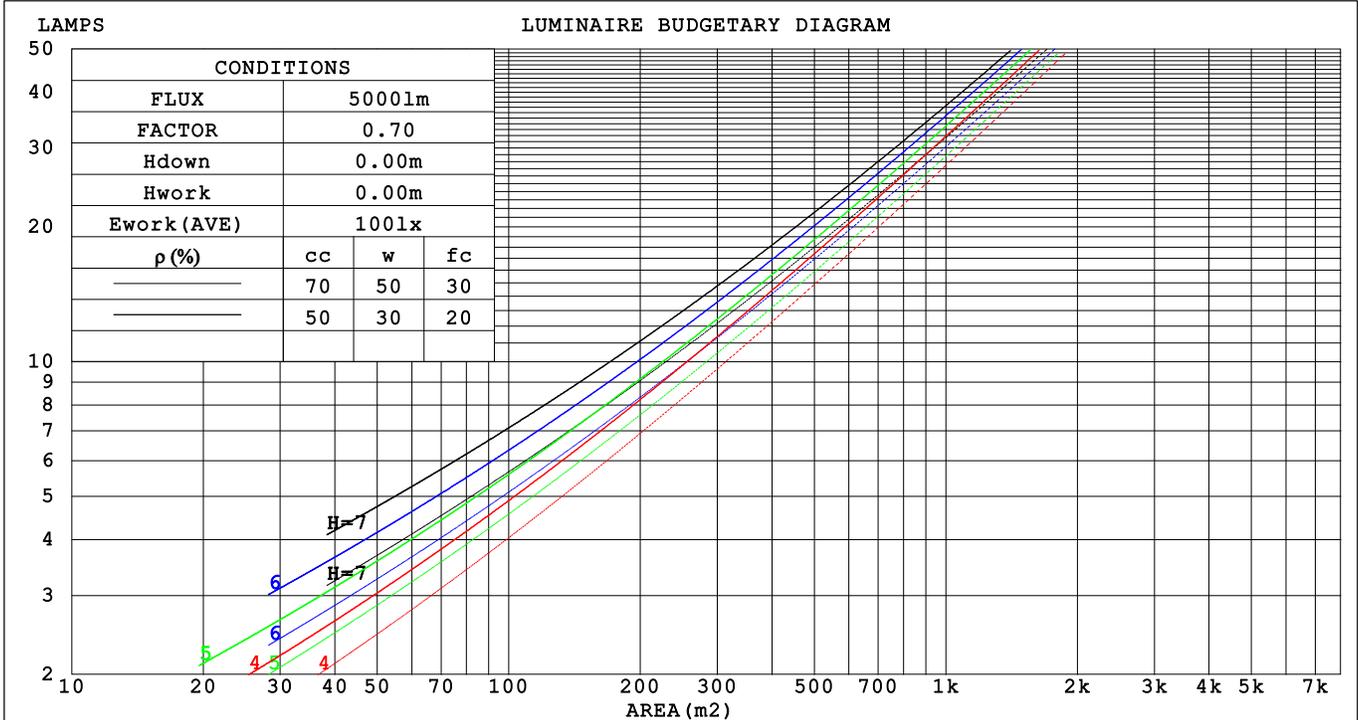
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pw | | | | | | | | | | | | | | | | 0 |
| pfc | | | | | | | | | | | | | | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | | | | | | | | | | |
| | Coefficients of Utilization(CU) | | | | | | | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.10 | 1.10 | 1.10 | 1.05 | 1.05 | 1.05 | 1.01 | 1.01 | 1.01 | .98 |
| 1.0 | 1.05 | 1.01 | .97 | 1.02 | .99 | .95 | .98 | .95 | .92 | .94 | .91 | .89 | .90 | .88 | .86 | .84 |
| 2.0 | .92 | .85 | .80 | .90 | .84 | .79 | .86 | .81 | .76 | .82 | .78 | .74 | .79 | .76 | .73 | .70 |
| 3.0 | .81 | .73 | .66 | .79 | .72 | .66 | .76 | .69 | .64 | .73 | .67 | .63 | .70 | .66 | .62 | .59 |
| 4.0 | .71 | .63 | .56 | .70 | .62 | .56 | .67 | .60 | .55 | .65 | .59 | .54 | .62 | .57 | .53 | .51 |
| 5.0 | .64 | .55 | .48 | .63 | .54 | .48 | .60 | .53 | .47 | .58 | .52 | .47 | .56 | .51 | .46 | .44 |
| 6.0 | .57 | .49 | .42 | .56 | .48 | .42 | .54 | .47 | .41 | .53 | .46 | .41 | .51 | .45 | .40 | .38 |
| 7.0 | .52 | .43 | .37 | .51 | .43 | .37 | .49 | .42 | .37 | .48 | .41 | .36 | .46 | .40 | .36 | .34 |
| 8.0 | .47 | .39 | .33 | .47 | .39 | .33 | .45 | .38 | .33 | .44 | .37 | .32 | .42 | .37 | .32 | .30 |
| 9.0 | .43 | .35 | .30 | .43 | .35 | .30 | .42 | .34 | .29 | .40 | .34 | .29 | .39 | .33 | .29 | .27 |
| 10.0 | .40 | .32 | .27 | .39 | .32 | .27 | .38 | .31 | .27 | .37 | .31 | .26 | .36 | .30 | .26 | .25 |



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

WEC AND CCEC

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .287 | .163 | .052 | .280 | .160 | .051 | .266 | .152 | .049 | .253 | .146 | .047 | .241 | .140 | .045 | |
| 2.0 | .277 | .152 | .047 | .270 | .149 | .046 | .258 | .143 | .045 | .246 | .138 | .043 | .236 | .133 | .042 | |
| 3.0 | .260 | .138 | .041 | .254 | .136 | .041 | .243 | .132 | .040 | .233 | .127 | .039 | .223 | .123 | .038 | |
| 4.0 | .242 | .126 | .037 | .237 | .124 | .037 | .227 | .120 | .036 | .218 | .117 | .035 | .209 | .114 | .035 | |
| 5.0 | .225 | .115 | .033 | .220 | .113 | .033 | .211 | .110 | .032 | .203 | .107 | .032 | .196 | .105 | .031 | |
| 6.0 | .209 | .105 | .030 | .205 | .104 | .030 | .197 | .101 | .029 | .190 | .099 | .029 | .183 | .096 | .029 | |
| 7.0 | .196 | .097 | .027 | .192 | .096 | .027 | .185 | .093 | .027 | .178 | .091 | .027 | .172 | .089 | .026 | |
| 8.0 | .183 | .089 | .025 | .180 | .088 | .025 | .173 | .087 | .025 | .167 | .085 | .024 | .162 | .083 | .024 | |
| 9.0 | .172 | .083 | .023 | .169 | .082 | .023 | .163 | .081 | .023 | .158 | .079 | .023 | .153 | .078 | .022 | |
| 10.0 | .162 | .078 | .022 | .159 | .077 | .021 | .154 | .075 | .021 | .149 | .074 | .021 | .144 | .073 | .021 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients (CCEC) | | | | | | | | | |
| 0.0 | .203 | .203 | .203 | .174 | .174 | .174 | .118 | .118 | .118 | .068 | .068 | .068 | .022 | .022 | .022 | |
| 1.0 | .191 | .169 | .149 | .164 | .145 | .128 | .112 | .100 | .089 | .065 | .058 | .052 | .021 | .019 | .017 | |
| 2.0 | .183 | .145 | .113 | .157 | .125 | .097 | .107 | .086 | .068 | .062 | .050 | .040 | .020 | .016 | .013 | |
| 3.0 | .175 | .127 | .089 | .150 | .110 | .077 | .103 | .076 | .054 | .060 | .044 | .032 | .019 | .014 | .010 | |
| 4.0 | .168 | .114 | .072 | .144 | .098 | .063 | .099 | .069 | .044 | .057 | .040 | .026 | .018 | .013 | .009 | |
| 5.0 | .161 | .103 | .061 | .138 | .089 | .053 | .095 | .062 | .037 | .055 | .037 | .022 | .018 | .012 | .007 | |
| 6.0 | .154 | .095 | .053 | .132 | .082 | .046 | .091 | .058 | .033 | .053 | .034 | .019 | .017 | .011 | .006 | |
| 7.0 | .147 | .088 | .047 | .127 | .076 | .041 | .088 | .054 | .029 | .051 | .032 | .017 | .016 | .010 | .006 | |
| 8.0 | .141 | .082 | .042 | .121 | .071 | .037 | .084 | .050 | .026 | .049 | .030 | .016 | .016 | .010 | .005 | |
| 9.0 | .135 | .077 | .039 | .116 | .067 | .034 | .081 | .047 | .024 | .047 | .028 | .014 | .015 | .009 | .005 | |
| 10.0 | .129 | .073 | .036 | .112 | .064 | .031 | .077 | .045 | .022 | .045 | .026 | .013 | .015 | .009 | .004 | |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|------------------|----------------|------|------------------|------|------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | | | | | | | | | |
| NAME: LED HIGHBAY | | | | | TYPE:SKU - 10467 | | | WEIGHT: | | |
| SPEC.:CCT-3000-5000K | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: V-TAC EUROPE LTD | | | | | SUR.: | | | 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 | 19.9 | 21.4 | 20.2 | 21.6 | 21.9 | 19.9 | 21.3 | 20.2 | 21.6 | 21.8 |
| 3H | 21.1 | 22.5 | 21.5 | 22.8 | 23.0 | 21.1 | 22.4 | 21.4 | 22.7 | 22.9 |
| 4H | 21.5 | 22.8 | 21.8 | 23.1 | 23.4 | 21.4 | 22.7 | 21.8 | 23.0 | 23.3 |
| 6H | 21.6 | 22.8 | 22.0 | 23.1 | 23.5 | 21.6 | 22.8 | 21.9 | 23.1 | 23.4 |
| 8H | 21.6 | 22.8 | 22.0 | 23.1 | 23.4 | 21.5 | 22.7 | 21.9 | 23.0 | 23.3 |
| 12H | 21.6 | 22.7 | 22.0 | 23.0 | 23.4 | 21.5 | 22.6 | 21.9 | 23.0 | 23.3 |
| 4H 2H | 20.5 | 21.8 | 20.8 | 22.0 | 22.3 | 20.4 | 21.7 | 20.8 | 22.0 | 22.3 |
| 3H | 21.8 | 22.9 | 22.2 | 23.3 | 23.6 | 21.8 | 22.9 | 22.1 | 23.2 | 23.5 |
| 4H | 22.3 | 23.3 | 22.7 | 23.6 | 24.0 | 22.2 | 23.2 | 22.6 | 23.6 | 23.9 |
| 6H | 22.5 | 23.4 | 22.9 | 23.8 | 24.2 | 22.4 | 23.3 | 22.8 | 23.7 | 24.1 |
| 8H | 22.5 | 23.3 | 22.9 | 23.7 | 24.1 | 22.4 | 23.2 | 22.9 | 23.6 | 24.1 |
| 12H | 22.5 | 23.2 | 22.9 | 23.7 | 24.1 | 22.4 | 23.2 | 22.8 | 23.6 | 24.0 |
| 8H 4H | 22.4 | 23.2 | 22.8 | 23.6 | 24.0 | 22.3 | 23.2 | 22.8 | 23.6 | 24.0 |
| 6H | 22.7 | 23.4 | 23.1 | 23.8 | 24.3 | 22.6 | 23.3 | 23.1 | 23.7 | 24.2 |
| 8H | 22.7 | 23.3 | 23.2 | 23.8 | 24.3 | 22.7 | 23.3 | 23.1 | 23.7 | 24.2 |
| 12H | 22.7 | 23.2 | 23.2 | 23.7 | 24.2 | 22.7 | 23.2 | 23.2 | 23.6 | 24.2 |
| 12H 4H | 22.4 | 23.1 | 22.8 | 23.6 | 24.0 | 22.3 | 23.1 | 22.8 | 23.5 | 23.9 |
| 6H | 22.7 | 23.3 | 23.2 | 23.7 | 24.2 | 22.6 | 23.2 | 23.1 | 23.7 | 24.1 |
| 8H | 22.7 | 23.2 | 23.2 | 23.7 | 24.2 | 22.7 | 23.2 | 23.2 | 23.7 | 24.2 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 1.5H | + 0.2 / - 0.4 | | | | | + 0.3 / - 0.4 | | | | |
| 2.0H | + 0.3 / - 0.3 | | | | | + 0.3 / - 0.3 | | | | |

CIE Pub.117, 31209 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 12.0)
 Area: 0.045216 m2

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

UTILIZATION FACTORS TABLE

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |

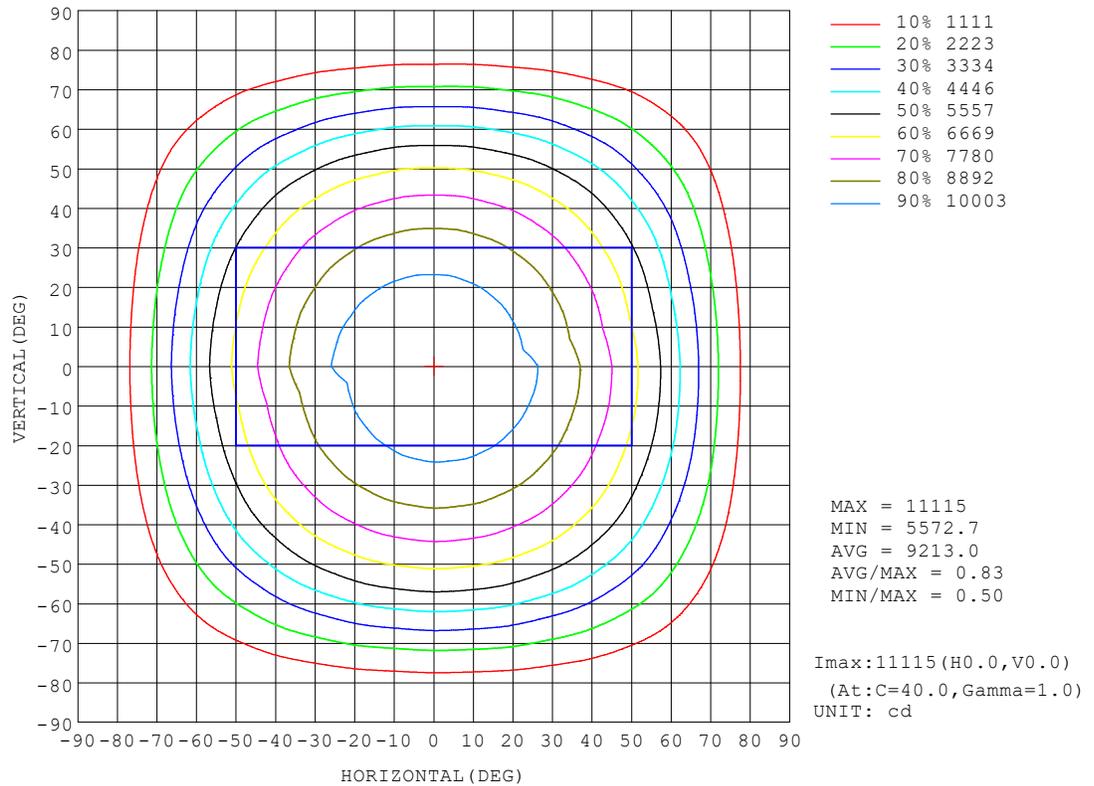
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| k = 0.60 | 58 | 46 | 39 | 57 | 46 | 39 | 56 | 45 | 39 | 33 |
| 0.80 | 68 | 57 | 49 | 67 | 56 | 49 | 65 | 55 | 49 | 42 |
| 1.00 | 77 | 66 | 59 | 75 | 65 | 58 | 73 | 66 | 58 | 51 |
| 1.25 | 84 | 74 | 67 | 82 | 73 | 66 | 80 | 71 | 65 | 58 |
| 1.50 | 89 | 79 | 73 | 87 | 78 | 72 | 84 | 76 | 71 | 63 |
| 2.00 | 96 | 88 | 81 | 94 | 86 | 81 | 90 | 84 | 79 | 71 |
| 2.50 | 100 | 92 | 86 | 97 | 91 | 85 | 93 | 88 | 83 | 75 |
| 3.00 | 103 | 96 | 91 | 101 | 95 | 90 | 96 | 92 | 88 | 79 |
| 4.00 | 107 | 101 | 97 | 104 | 99 | 95 | 100 | 96 | 93 | 83 |
| 5.00 | 109 | 104 | 101 | 106 | 102 | 99 | 102 | 99 | 96 | 86 |
| ROOM INDEX | UF(total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | SHRNOM = 1.25 | | | |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

ISOCANDELA DIAGRAM

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |

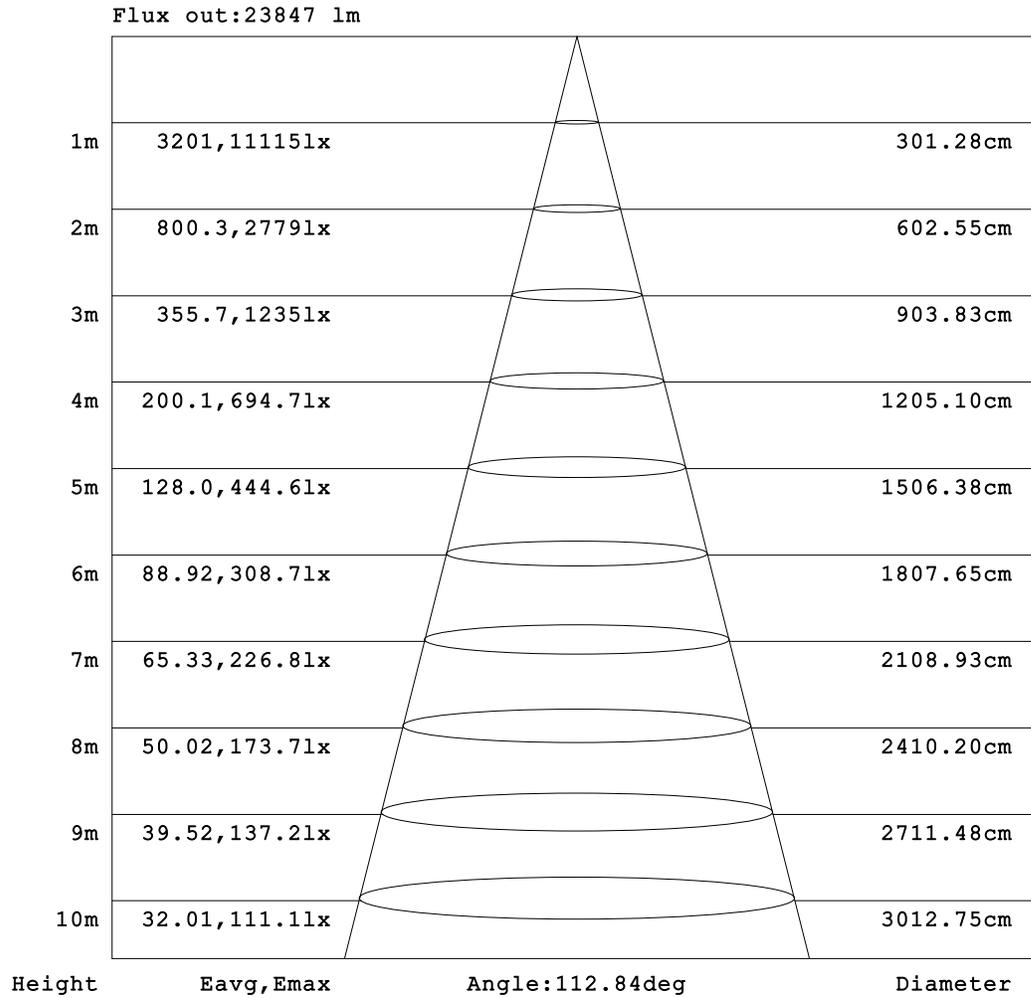


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

AAI Figure

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |



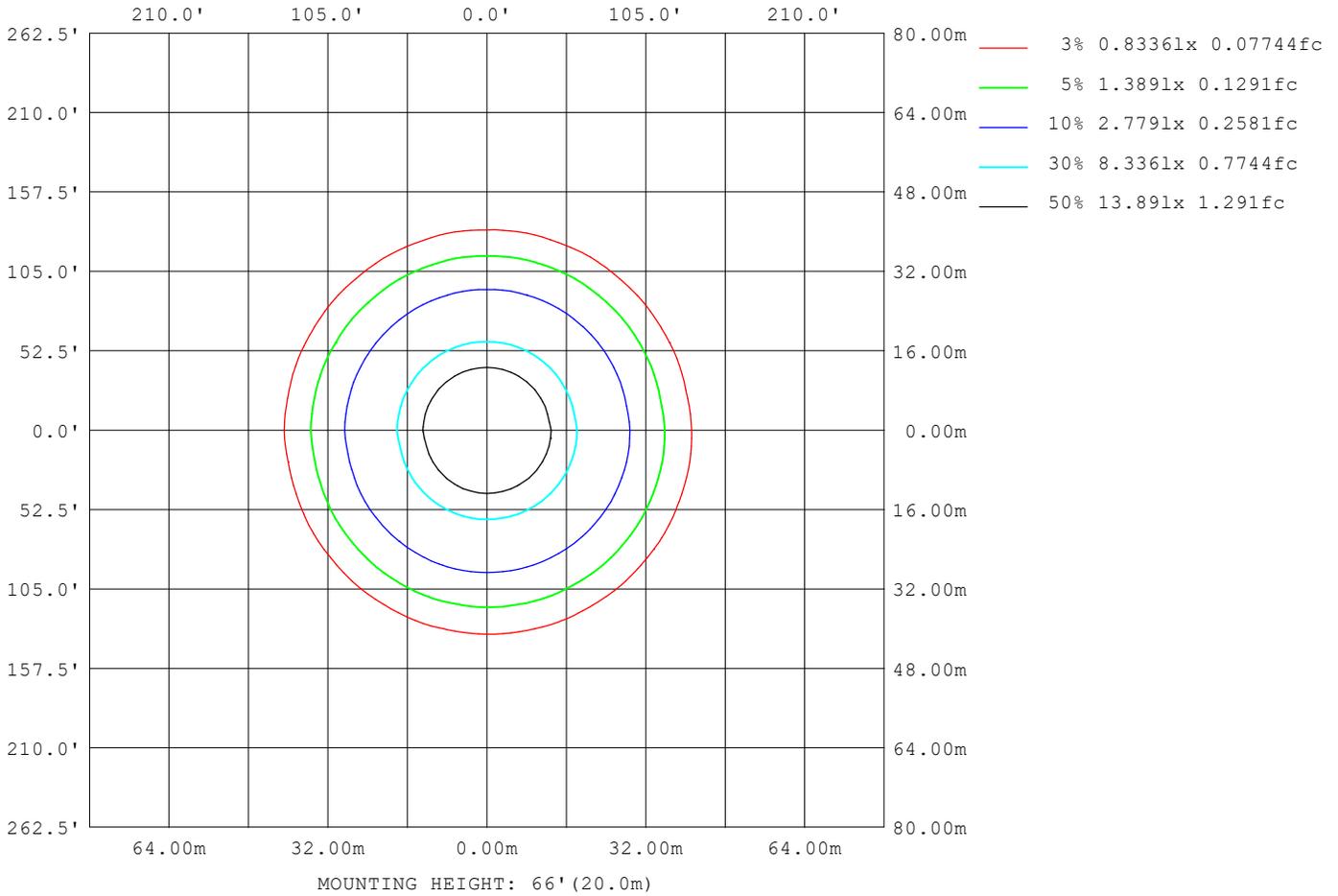
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

ISOLUX DIAGRAM

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

LED Avg.L Report

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |

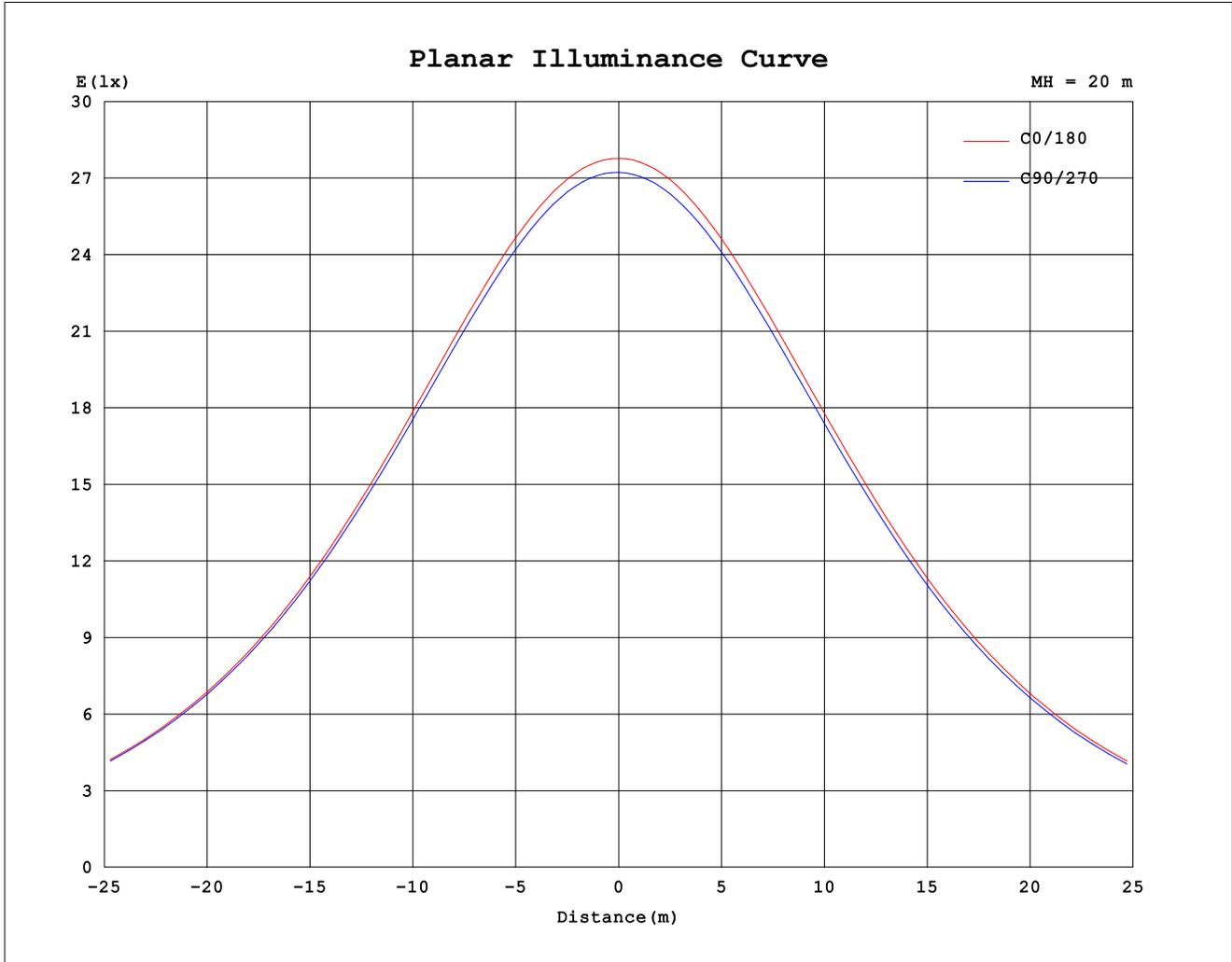
| AvgL | cd/m2 |
|------------------|--------|
| L_0~180 (65) av | 191448 |
| L_0~180 (75) av | 128858 |
| L_0~180 (85) av | 31427 |
| L_90~270 (65) av | 189909 |
| L_90~270 (75) av | 126574 |
| L_90~270 (85) av | 31828 |
| L_45 (65) av | 190117 |
| L_45 (75) av | 126858 |
| L_45 (85) av | 30719 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: KAMBEROV
 Test Date: 13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity: 65.0%
 Test Distance: 9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |

Table--1

UNIT: $\mu\text{A}10\text{cd}$

| C (DEG) \ y (DEG) | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|
| 0 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 |
| 5 | 1089 | 1089 | 1089 | 1090 | 1090 | 1090 | 1090 | 1090 | 1089 | 1090 | 1090 | 1089 | 1089 | 1089 | 1089 | 1088 | 1088 | 1088 | 1088 |
| 10 | 1077 | 1078 | 1078 | 1079 | 1079 | 1079 | 1079 | 1079 | 1079 | 1078 | 1078 | 1078 | 1077 | 1077 | 1077 | 1076 | 1076 | 1076 | 1076 |
| 15 | 1058 | 1059 | 1059 | 1060 | 1059 | 1060 | 1060 | 1060 | 1059 | 1059 | 1059 | 1059 | 1057 | 1058 | 1057 | 1056 | 1055 | 1055 | 1055 |
| 20 | 1030 | 1032 | 1031 | 1033 | 1032 | 1033 | 1032 | 1033 | 1031 | 1032 | 1031 | 1031 | 1030 | 1029 | 1028 | 1028 | 1026 | 1027 | 1027 |
| 25 | 994 | 996 | 996 | 997 | 996 | 998 | 997 | 997 | 996 | 997 | 995 | 995 | 993 | 994 | 992 | 992 | 990 | 990 | 991 |
| 30 | 950 | 953 | 952 | 955 | 953 | 954 | 953 | 954 | 952 | 953 | 951 | 952 | 949 | 950 | 948 | 948 | 945 | 946 | 946 |
| 35 | 898 | 900 | 899 | 902 | 901 | 902 | 901 | 902 | 900 | 901 | 899 | 899 | 897 | 897 | 894 | 895 | 892 | 892 | 893 |
| 40 | 836 | 839 | 838 | 841 | 839 | 841 | 839 | 841 | 839 | 840 | 837 | 838 | 835 | 835 | 832 | 832 | 829 | 829 | 830 |
| 45 | 765 | 769 | 767 | 770 | 769 | 771 | 769 | 771 | 768 | 770 | 767 | 767 | 764 | 764 | 760 | 761 | 757 | 757 | 758 |
| 50 | 684 | 688 | 687 | 691 | 689 | 691 | 688 | 691 | 688 | 689 | 686 | 687 | 683 | 683 | 679 | 679 | 675 | 675 | 676 |
| 55 | 593 | 598 | 596 | 600 | 598 | 600 | 598 | 600 | 597 | 598 | 594 | 595 | 590 | 590 | 585 | 586 | 580 | 581 | 581 |
| 60 | 488 | 494 | 492 | 496 | 494 | 497 | 493 | 495 | 491 | 493 | 488 | 489 | 483 | 483 | 477 | 477 | 472 | 472 | 473 |
| 65 | 373 | 379 | 377 | 383 | 379 | 381 | 377 | 381 | 376 | 377 | 371 | 373 | 366 | 367 | 360 | 363 | 357 | 358 | 359 |
| 70 | 260 | 265 | 264 | 269 | 264 | 266 | 263 | 267 | 262 | 263 | 258 | 261 | 254 | 255 | 249 | 251 | 247 | 248 | 247 |
| 75 | 157 | 161 | 160 | 163 | 160 | 162 | 160 | 162 | 159 | 159 | 155 | 156 | 152 | 152 | 147 | 148 | 144 | 145 | 145 |
| 80 | 67.6 | 70.8 | 69.9 | 71.9 | 70.8 | 72.7 | 70.3 | 71.1 | 69.0 | 69.8 | 66.8 | 67.0 | 64.0 | 64.3 | 61.0 | 61.3 | 57.8 | 58.4 | 58.5 |
| 85 | 15.4 | 14.7 | 16.4 | 15.6 | 16.9 | 15.8 | 17.0 | 15.9 | 16.5 | 15.1 | 14.7 | 14.1 | 13.5 | 12.8 | 13.3 | 11.5 | 12.1 | 10.3 | 9.33 |
| 90 | 2.62 | 2.61 | 2.61 | 2.60 | 2.60 | 2.59 | 2.61 | 2.59 | 2.60 | 2.59 | 2.60 | 2.60 | 2.61 | 2.61 | 2.62 | 2.62 | 2.63 | 2.63 | 1.29 |
| 95 | 3.10 | 3.08 | 3.07 | 3.05 | 3.06 | 3.04 | 3.06 | 3.04 | 3.06 | 3.05 | 3.08 | 3.07 | 3.10 | 3.10 | 3.13 | 3.13 | 3.16 | 3.16 | 1.84 |
| 100 | 3.89 | 3.85 | 3.85 | 3.82 | 3.83 | 3.81 | 3.82 | 3.81 | 3.83 | 3.82 | 3.86 | 3.85 | 3.89 | 3.89 | 3.93 | 3.93 | 3.98 | 3.98 | 2.80 |
| 105 | 4.97 | 4.93 | 4.93 | 4.89 | 4.90 | 4.87 | 4.89 | 4.87 | 4.90 | 4.89 | 4.93 | 4.92 | 4.97 | 4.97 | 5.03 | 5.03 | 5.08 | 5.09 | 3.94 |
| 110 | 6.23 | 6.18 | 6.18 | 6.14 | 6.15 | 6.12 | 6.14 | 6.11 | 6.15 | 6.13 | 6.18 | 6.17 | 6.22 | 6.22 | 6.28 | 6.28 | 6.35 | 6.35 | 5.13 |
| 115 | 7.55 | 7.50 | 7.49 | 7.46 | 7.46 | 7.43 | 7.45 | 7.42 | 7.45 | 7.44 | 7.48 | 7.47 | 7.53 | 7.53 | 7.59 | 7.60 | 7.66 | 7.67 | 6.30 |
| 120 | 8.85 | 8.80 | 8.78 | 8.75 | 8.75 | 8.73 | 8.76 | 8.73 | 8.75 | 8.74 | 8.77 | 8.76 | 8.81 | 8.82 | 8.88 | 8.89 | 8.94 | 8.96 | 7.38 |
| 125 | 10.0 | 10.0 | 9.98 | 9.95 | 9.95 | 9.93 | 9.96 | 9.94 | 9.96 | 9.94 | 9.97 | 9.97 | 10.01 | 10.01 | 10.06 | 10.07 | 10.1 | 10.2 | 8.45 |
| 130 | 11.1 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.1 | 11.1 | 11.1 | 11.2 | 9.57 |
| 135 | 11.9 | 11.9 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.9 | 11.9 | 11.9 | 11.9 | 12.0 | 12.0 | 10.7 |
| 140 | 12.6 | 12.6 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.6 | 12.6 | 12.6 | 12.6 | 12.7 | 11.7 |
| 145 | 13.1 | 13.1 | 13.1 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.2 | 13.2 | 13.2 | 12.7 |
| 150 | 13.6 | 13.6 | 13.6 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.7 | 13.7 | 13.6 |
| 155 | 14.3 | 14.4 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 |
| 160 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.2 |
| 165 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.9 |
| 170 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.4 |
| 175 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.8 |
| 180 | 16.9 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 16.9 | 16.9 | 16.9 | 16.9 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 17.0 |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|------------------|------------------|
| Test:U:229.64V I:0.8677A P:193.41W PF:0.9707 Freq:49.99Hz Lamp Flux:31209.3x1 lm | | |
| NAME: LED HIGHBAY | TYPE:SKU - 10467 | WEIGHT: |
| SPEC.:CCT-3000-5000K | DIM.: | SERIAL No.: |
| MFR.: V-TAC EUROPE LTD | SUR.: | Shielding Angle: |

Table--2

UNIT: μA10cd

| C (DEG) \ y (DEG) | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 | 320 | 330 | 340 | 350 | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| 0 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | 1092 | | |
| 5 | 1088 | 1088 | 1088 | 1088 | 1087 | 1088 | 1087 | 1089 | 1087 | 1088 | 1088 | 1088 | 1088 | 1089 | 1088 | 1089 | 1089 | | |
| 10 | 1075 | 1076 | 1075 | 1075 | 1075 | 1075 | 1075 | 1076 | 1075 | 1076 | 1076 | 1076 | 1076 | 1077 | 1077 | 1078 | 1078 | | |
| 15 | 1054 | 1055 | 1054 | 1054 | 1053 | 1054 | 1053 | 1055 | 1054 | 1055 | 1055 | 1056 | 1056 | 1057 | 1057 | 1058 | 1058 | | |
| 20 | 1025 | 1026 | 1025 | 1026 | 1024 | 1025 | 1024 | 1026 | 1025 | 1027 | 1027 | 1028 | 1027 | 1029 | 1029 | 1030 | 1030 | | |
| 25 | 989 | 990 | 988 | 989 | 987 | 989 | 988 | 989 | 988 | 990 | 990 | 992 | 991 | 993 | 993 | 995 | 994 | | |
| 30 | 944 | 945 | 942 | 944 | 942 | 944 | 942 | 944 | 943 | 946 | 945 | 947 | 946 | 949 | 949 | 951 | 950 | | |
| 35 | 890 | 891 | 888 | 890 | 888 | 889 | 888 | 890 | 889 | 892 | 891 | 894 | 893 | 896 | 895 | 898 | 898 | | |
| 40 | 827 | 828 | 825 | 827 | 824 | 826 | 825 | 827 | 826 | 829 | 828 | 831 | 831 | 834 | 833 | 837 | 836 | | |
| 45 | 754 | 755 | 752 | 754 | 751 | 754 | 752 | 755 | 753 | 757 | 756 | 759 | 759 | 763 | 762 | 766 | 765 | | |
| 50 | 672 | 673 | 669 | 671 | 668 | 671 | 669 | 672 | 671 | 674 | 673 | 678 | 677 | 681 | 680 | 685 | 684 | | |
| 55 | 577 | 578 | 573 | 576 | 572 | 575 | 573 | 577 | 575 | 579 | 578 | 583 | 583 | 589 | 588 | 593 | 592 | | |
| 60 | 467 | 469 | 464 | 466 | 462 | 466 | 463 | 468 | 465 | 470 | 470 | 476 | 475 | 481 | 481 | 487 | 486 | | |
| 65 | 353 | 355 | 349 | 351 | 346 | 350 | 347 | 352 | 349 | 355 | 353 | 359 | 358 | 365 | 364 | 372 | 371 | | |
| 70 | 242 | 244 | 239 | 240 | 236 | 239 | 237 | 241 | 238 | 244 | 242 | 248 | 247 | 253 | 253 | 259 | 259 | | |
| 75 | 140 | 142 | 138 | 139 | 135 | 138 | 136 | 139 | 137 | 141 | 141 | 145 | 144 | 148 | 150 | 155 | 155 | | |
| 80 | 55.8 | 56.1 | 53.2 | 54.4 | 52.3 | 54.1 | 52.4 | 54.7 | 53.8 | 56.2 | 55.4 | 58.3 | 58.6 | 61.2 | 61.5 | 64.5 | 64.6 | | |
| 85 | 10.1 | 8.52 | 9.49 | 8.18 | 7.62 | 8.41 | 9.60 | 8.59 | 10.0 | 9.07 | 10.8 | 9.92 | 11.5 | 10.8 | 12.6 | 11.8 | 12.6 | | |
| 90 | 1.30 | 1.30 | 1.30 | 1.29 | 1.30 | 1.29 | 1.29 | 1.28 | 1.28 | 1.27 | 1.27 | 1.26 | 1.26 | 1.25 | 1.25 | 1.24 | 1.24 | | |
| 95 | 1.87 | 1.86 | 1.88 | 1.87 | 1.88 | 1.86 | 1.87 | 1.84 | 1.85 | 1.82 | 1.82 | 1.78 | 1.79 | 1.75 | 1.75 | 1.72 | 1.72 | | |
| 100 | 2.84 | 2.83 | 2.86 | 2.84 | 2.85 | 2.83 | 2.84 | 2.81 | 2.81 | 2.77 | 2.77 | 2.73 | 2.72 | 2.68 | 2.67 | 2.63 | 2.63 | | |
| 105 | 3.98 | 3.97 | 4.00 | 3.97 | 3.99 | 3.96 | 3.98 | 3.94 | 3.95 | 3.90 | 3.91 | 3.85 | 3.85 | 3.80 | 3.80 | 3.75 | 3.75 | | |
| 110 | 5.17 | 5.16 | 5.19 | 5.17 | 5.18 | 5.15 | 5.17 | 5.13 | 5.13 | 5.09 | 5.09 | 5.03 | 5.03 | 4.98 | 4.97 | 4.92 | 4.92 | | |
| 115 | 6.33 | 6.32 | 6.34 | 6.32 | 6.34 | 6.32 | 6.32 | 6.29 | 6.29 | 6.25 | 6.25 | 6.20 | 6.19 | 6.14 | 6.13 | 6.09 | 6.09 | | |
| 120 | 7.40 | 7.40 | 7.42 | 7.40 | 7.42 | 7.40 | 7.40 | 7.37 | 7.37 | 7.33 | 7.33 | 7.28 | 7.27 | 7.22 | 7.22 | 7.17 | 7.17 | | |
| 125 | 8.48 | 8.47 | 8.49 | 8.48 | 8.49 | 8.47 | 8.48 | 8.44 | 8.45 | 8.41 | 8.40 | 8.34 | 8.34 | 8.29 | 8.29 | 8.24 | 8.24 | | |
| 130 | 9.60 | 9.60 | 9.62 | 9.60 | 9.62 | 9.60 | 9.60 | 9.56 | 9.56 | 9.52 | 9.51 | 9.47 | 9.46 | 9.41 | 9.40 | 9.36 | 9.36 | | |
| 135 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.6 | 10.6 | 10.6 | 10.6 | 10.5 | 10.5 | 10.5 | 10.5 | 10.4 | 10.5 | | |
| 140 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.6 | 11.6 | 11.5 | 11.5 | 11.5 | 11.5 | 11.4 | 11.4 | | |
| 145 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.7 | 12.6 | 12.6 | 12.6 | 12.5 | 12.5 | 12.5 | 12.5 | 12.4 | 12.4 | 12.4 | | |
| 150 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.5 | 13.5 | 13.5 | 13.5 | 13.4 | 13.4 | 13.4 | 13.4 | 13.3 | 13.3 | | |
| 155 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.2 | 14.2 | | |
| 160 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.1 | 15.1 | 15.1 | 15.1 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 15.0 | 14.9 | 14.9 | | |
| 165 | 15.8 | 15.9 | 15.8 | 15.9 | 15.8 | 15.8 | 15.8 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 | 15.6 | 15.6 | 15.6 | | |
| 170 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.2 | 16.2 | 16.2 | 16.2 | | |
| 175 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | | |
| 180 | 16.9 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | | |

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:KAMBEROV
 Test Date:13 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_v1 SYSTEM V2.0.407.13
 Humidity:65.0%
 Test Distance:9.420m [K=1.0000]
 Remarks: Kpuls = 0.000%
 PST- 0.000
 SVM- 0.000
 EC-D