# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Indoor Luminaire Photometric Data

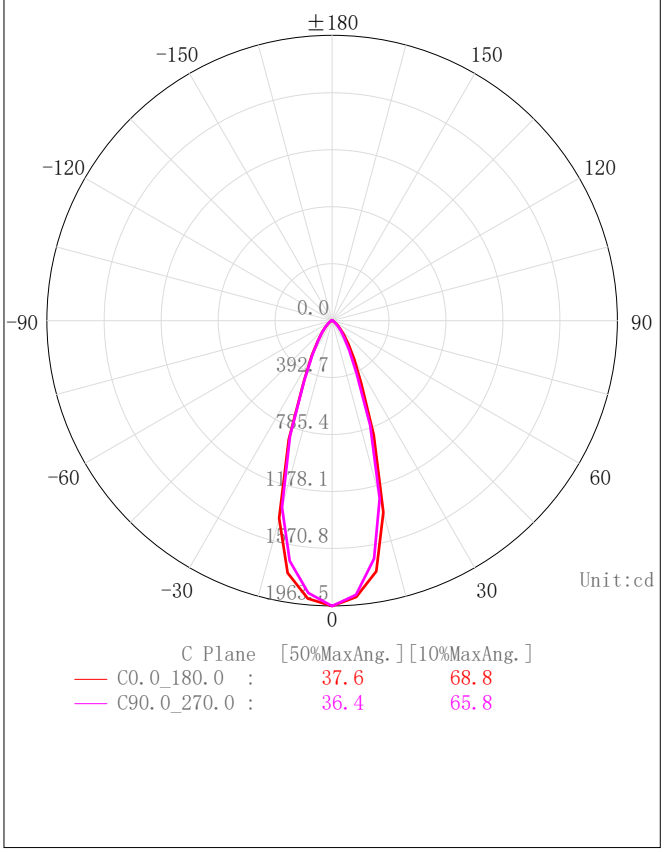
### Description Information

| | | | |
|---|---|---|---|
| Luminary Name: TR10-12-C5-01 5700K RA90 36D | | Lum. Catelog: | Test ID: 01 |
| Lamp Name: | | Lamp Catelog: LED | Test Date: 2022/11/02 |
| Manufacture: Shenzhen Norming Lighting | | Shld.Ang(° ): | Test Machine:GON-2000 |
| Test Lab: Quality Department | | Frequency(Hz): | Lamp CCT(K): Ra: |
| Lum.Size(W*L*H):0.041m*0.041m*0.000m | | Lum.Area(m2):0.002 | Lum.W(kg): 0.000 |
| Test System: C,γ | Test Step: C=90.0 γ=5.0 | Temp.(℃): 25 | Humidity(%): |

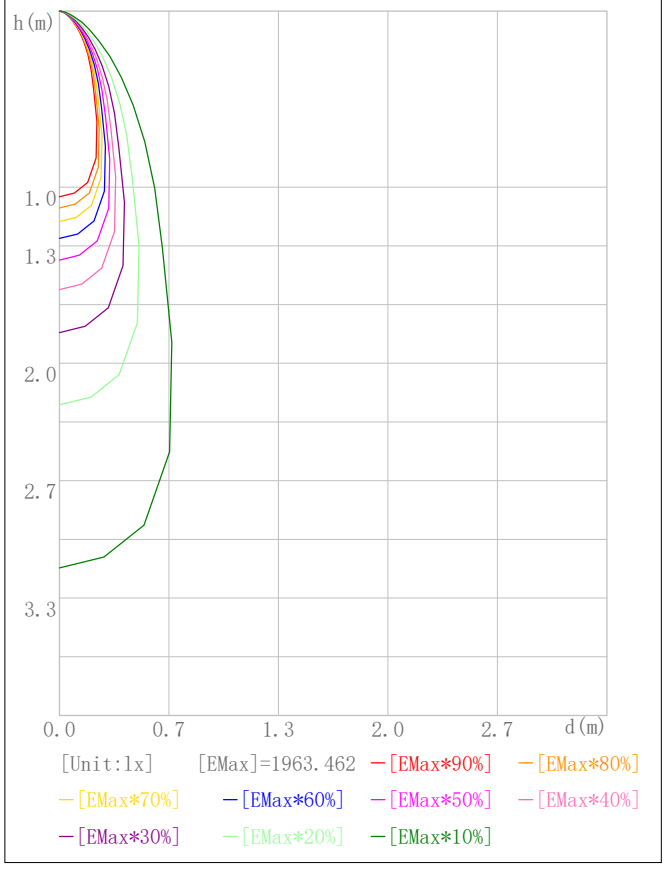
### Character Parameter

| Lamp Speciality Parameter | Luminaire Speciality Parameter | |
|---|---|---|
| Rated Flux(lm): 970.060 | Luminary Flux(lm): 970.064 | Field Angle(10%Imax): 68.8(° ) |
| Rated Power(W): | Luminary Efficiency: 100.00% | Down Lumens&Percent: 967.674lm 99.75% |
| Rated Voltage(V): | Luminary EER(lm/W): 80.974 | Up Lumens&Percent: 2.391lm 0.25% |
| Tested Power(W): 11.980 | Max.Candela(cd): 1963.462 | S/MH: C0_a180=0.630 C90_270=0.607 |
| Lamps' Inside: 1 | Max Cand@Ang.(° ): C=0.0 γ=0.0 | CIE Type: Semi-Direct |
| Tested Electrics(V,A,pf):230.1,0.054 | Beam Angle(50%Imax): 37.6(° ) | ErP Φuse(90° ): 899.313lm |
| Lamp Size(W*L*H):0.041m*0.041m*0.000m | Left=-19.0° ,Right=18.6° | IRF(%): 436.639 |

### C Plane Distribution Diagram




### C0 Space ISO Illuminance Curve

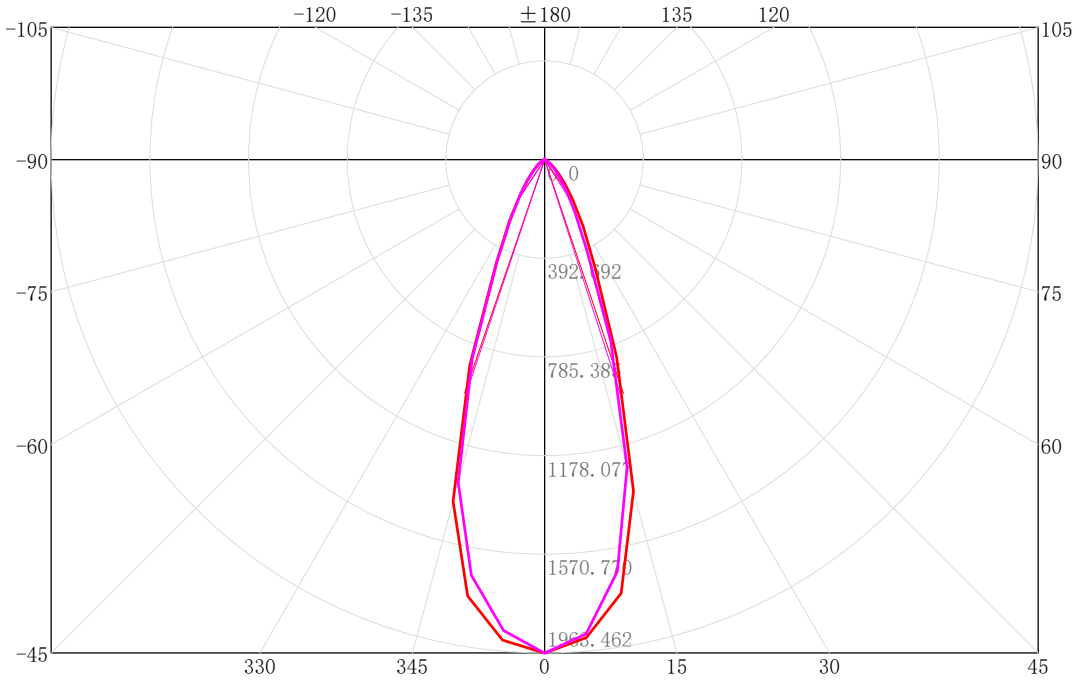


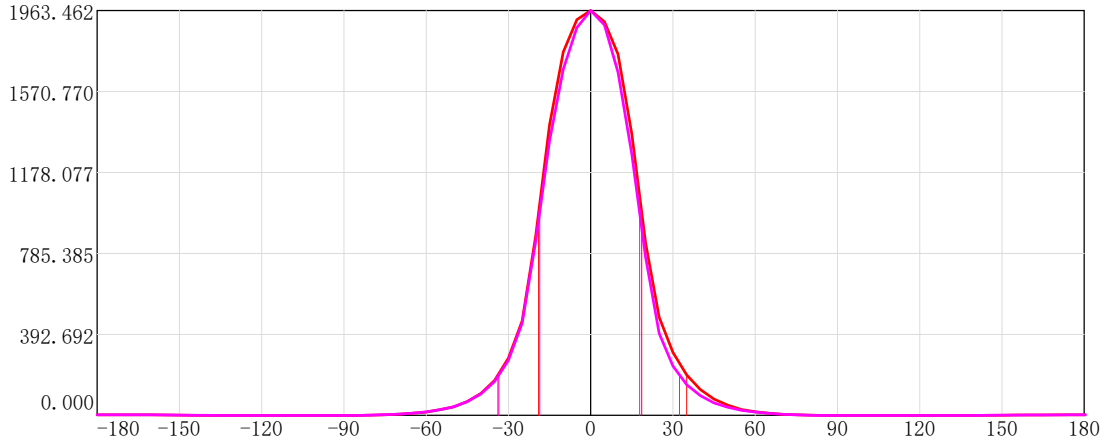
# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## 2D Plane Light Intensity Distribution Curve

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

C Plane Distribution Diagram



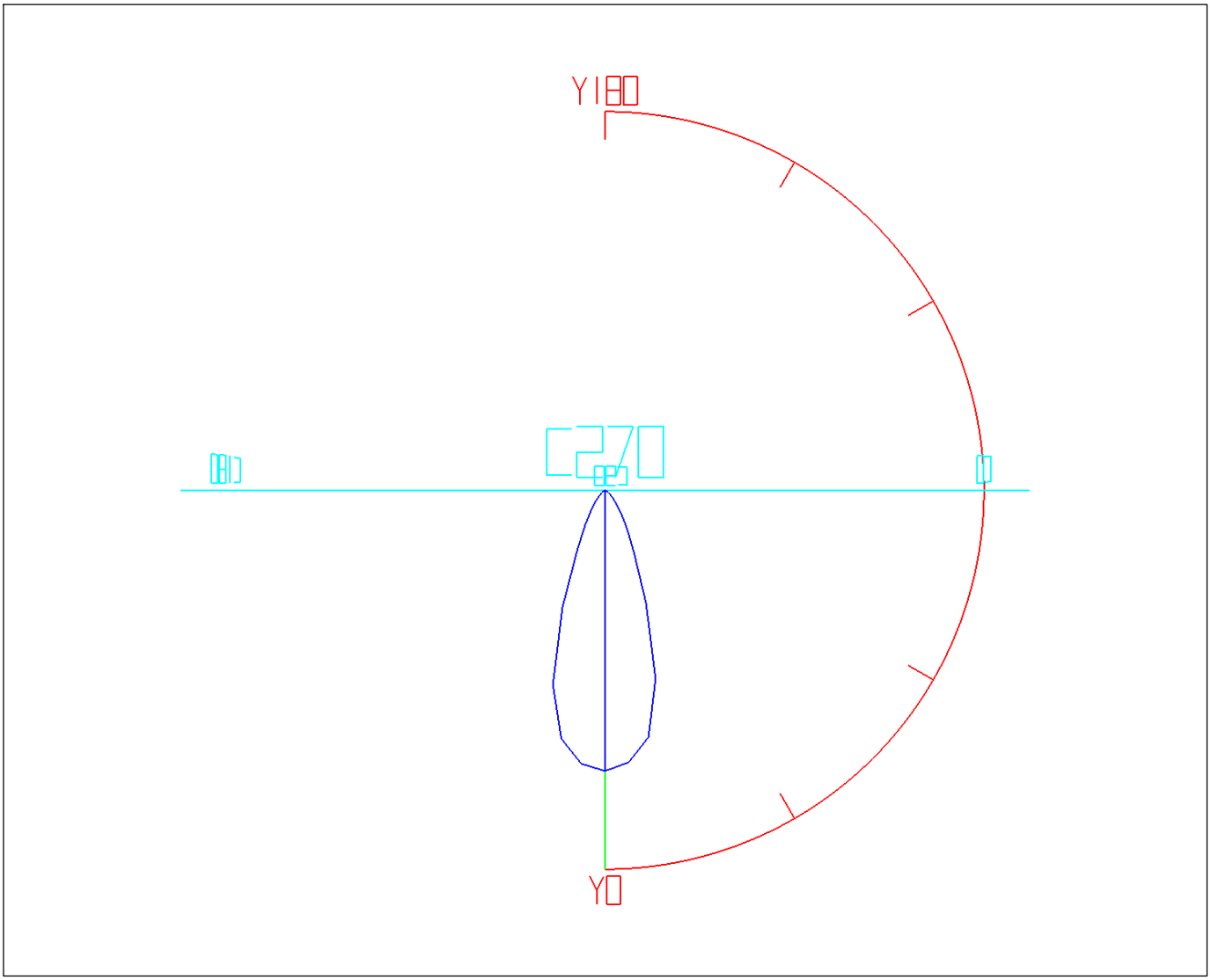

| C Plane | [50%MaxAng.] | [10%MaxAng.] | Unit:cd |
|---|---|---|---|
| C0.0_180.0 : | 37.6 | 68.8 | |
| C90.0_270.0 : | 36.4 | 65.8 | |

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## 3D Light Intensity Distribution Modal

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

3D Light Intensity Distribution Modal




Curves: 3D Model Fixture Vert. HUD Hori. HUD

View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

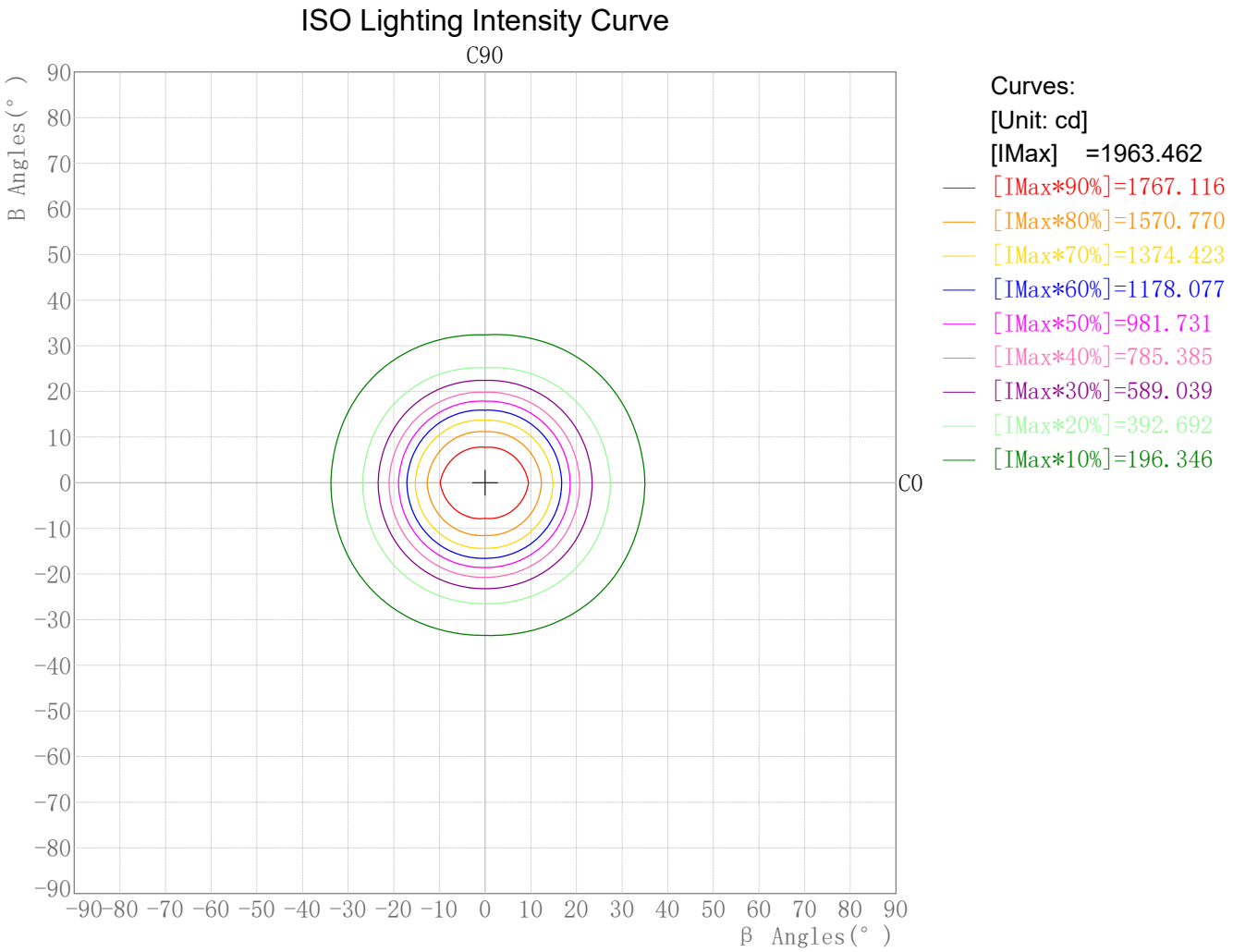
## Zonal Flux Tabulation

| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|---|---|---|---|---|
| 0.0-5.0 | 46.19 | 46.19 | 4.76 | 4.76 |
| 5.0-10.0 | 129.32 | 175.51 | 13.33 | 18.09 |
| 10.0-15.0 | 181.32 | 356.83 | 18.69 | 36.78 |
| 15.0-20.0 | 179.07 | 535.91 | 18.46 | 55.24 |
| 20.0-25.0 | 133.76 | 669.67 | 13.79 | 69.03 |
| 25.0-30.0 | 90.81 | 760.48 | 9.36 | 78.40 |
| 30.0-35.0 | 65.15 | 825.63 | 6.72 | 85.11 |
| 35.0-40.0 | 46.43 | 872.05 | 4.79 | 89.90 |
| 40.0-45.0 | 32.77 | 904.82 | 3.38 | 93.27 |
| 45.0-50.0 | 22.56 | 927.38 | 2.33 | 95.60 |
| 50.0-55.0 | 15.33 | 942.71 | 1.58 | 97.18 |
| 55.0-60.0 | 10.23 | 952.94 | 1.05 | 98.24 |
| 60.0-65.0 | 6.66 | 959.60 | 0.69 | 98.92 |
| 65.0-70.0 | 4.13 | 963.73 | 0.43 | 99.35 |
| 70.0-75.0 | 2.32 | 966.06 | 0.24 | 99.59 |
| 75.0-80.0 | 1.20 | 967.26 | 0.12 | 99.71 |
| 80.0-85.0 | 0.40 | 967.66 | 0.04 | 99.75 |
| 85.0-90.0 | 0.02 | 967.67 | 0.00 | 99.75 |
| 90.0-95.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 95.0-100.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 100.0-105.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 105.0-110.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 110.0-115.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 115.0-120.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 120.0-125.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 125.0-130.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 130.0-135.0 | 0.00 | 967.67 | 0.00 | 99.75 |
| 135.0-140.0 | 0.02 | 967.70 | 0.00 | 99.76 |
| 140.0-145.0 | 0.13 | 967.82 | 0.01 | 99.77 |
| 145.0-150.0 | 0.30 | 968.12 | 0.03 | 99.80 |
| 150.0-155.0 | 0.44 | 968.56 | 0.05 | 99.85 |
| 155.0-160.0 | 0.48 | 969.04 | 0.05 | 99.89 |
| 160.0-165.0 | 0.42 | 969.46 | 0.04 | 99.94 |
| 165.0-170.0 | 0.32 | 969.78 | 0.03 | 99.97 |
| 170.0-175.0 | 0.21 | 969.99 | 0.02 | 99.99 |
| 175.0-180.0 | 0.07 | 970.06 | 0.01 | 100.00 |

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Rectangle ISO Lighting Intensity Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |




Maximum Light Intensity(cd): 1963.46

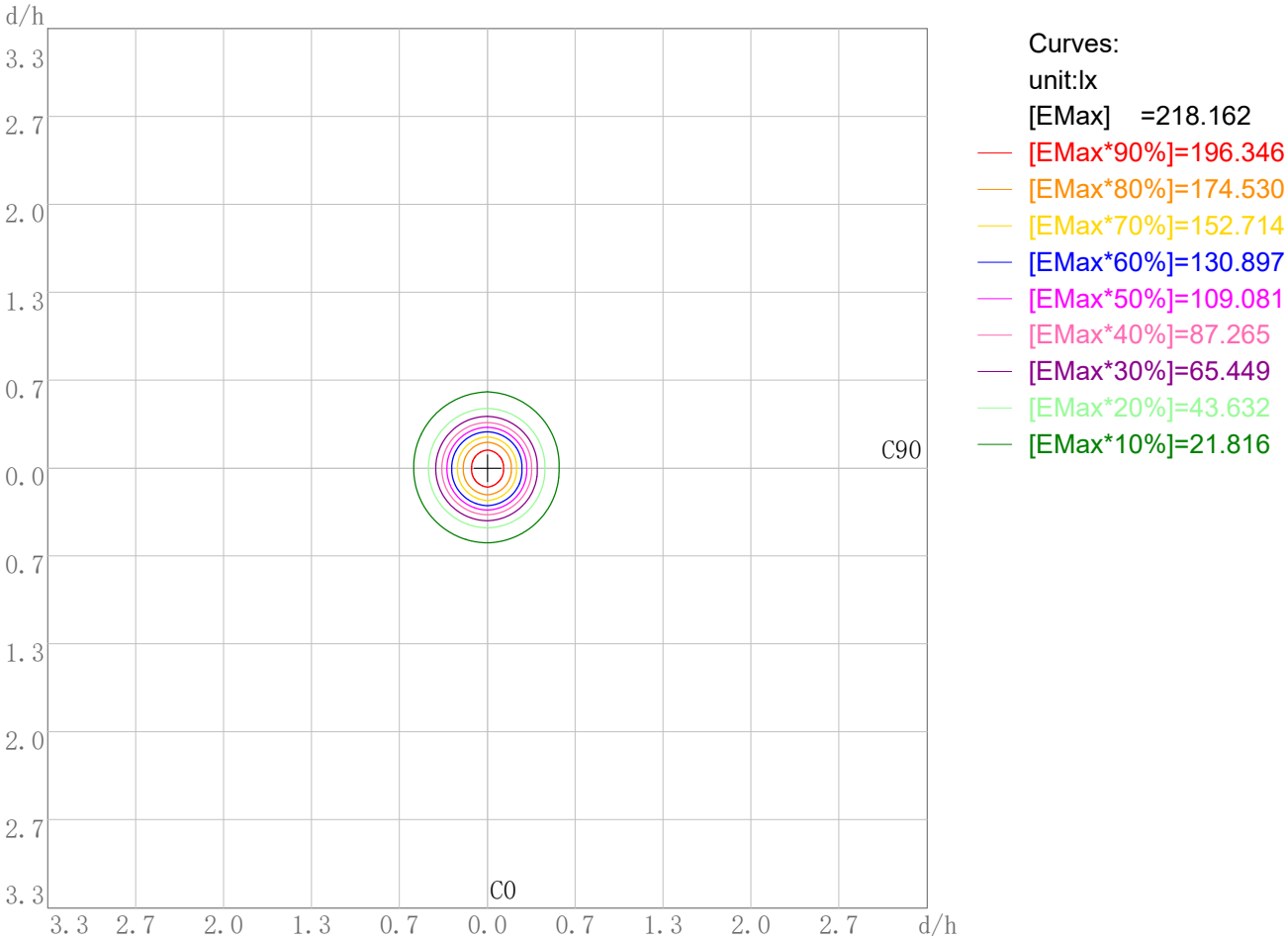
Maximum Cand.@Angle: H=0.0°,V=0.0°

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Plane ISO-Illuminance Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

Plane ISO-Illuminance Curve



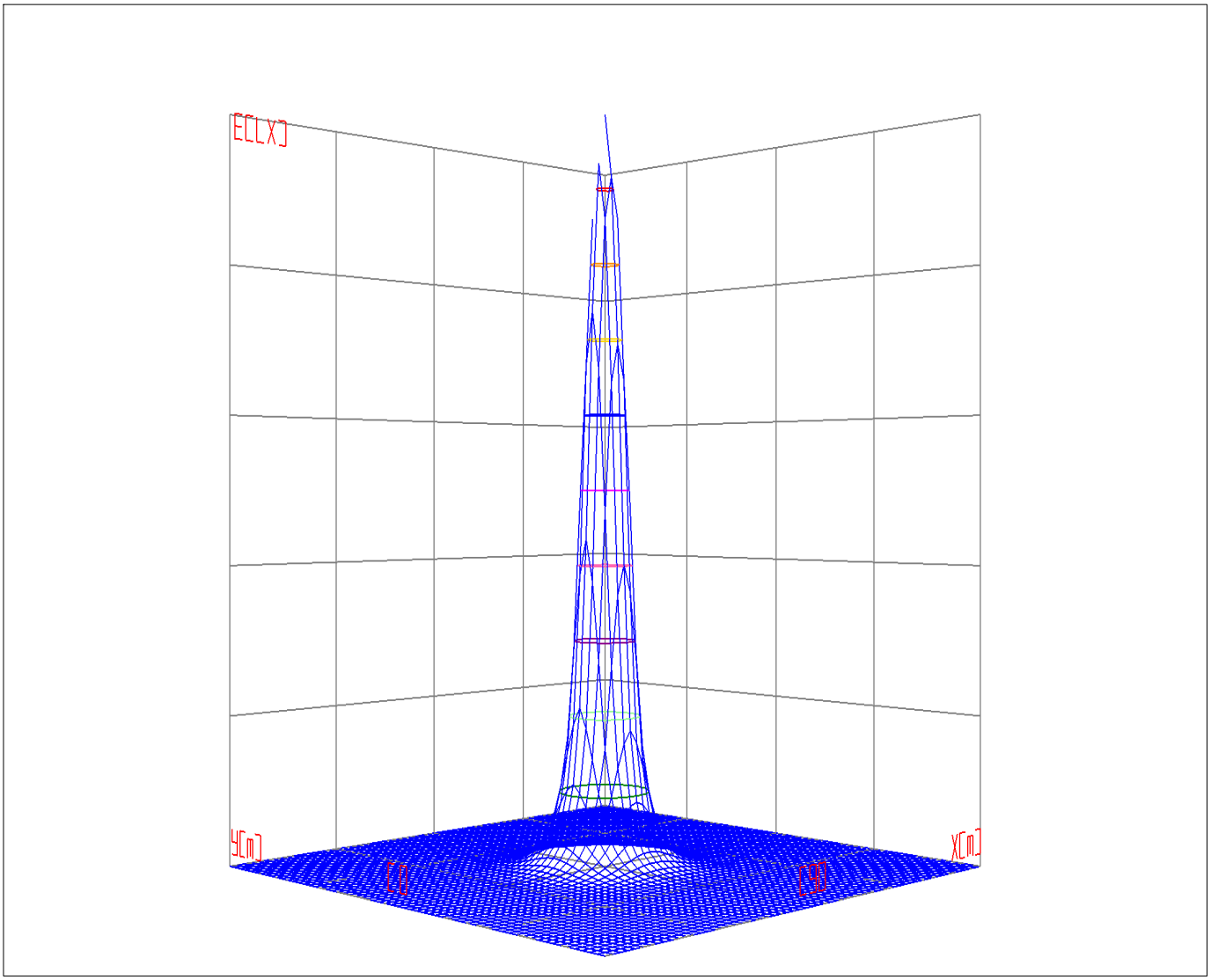

Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 218.16
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## 3D Plane ISO Illuminance Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

3D Plane Illuminance Modal




Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%

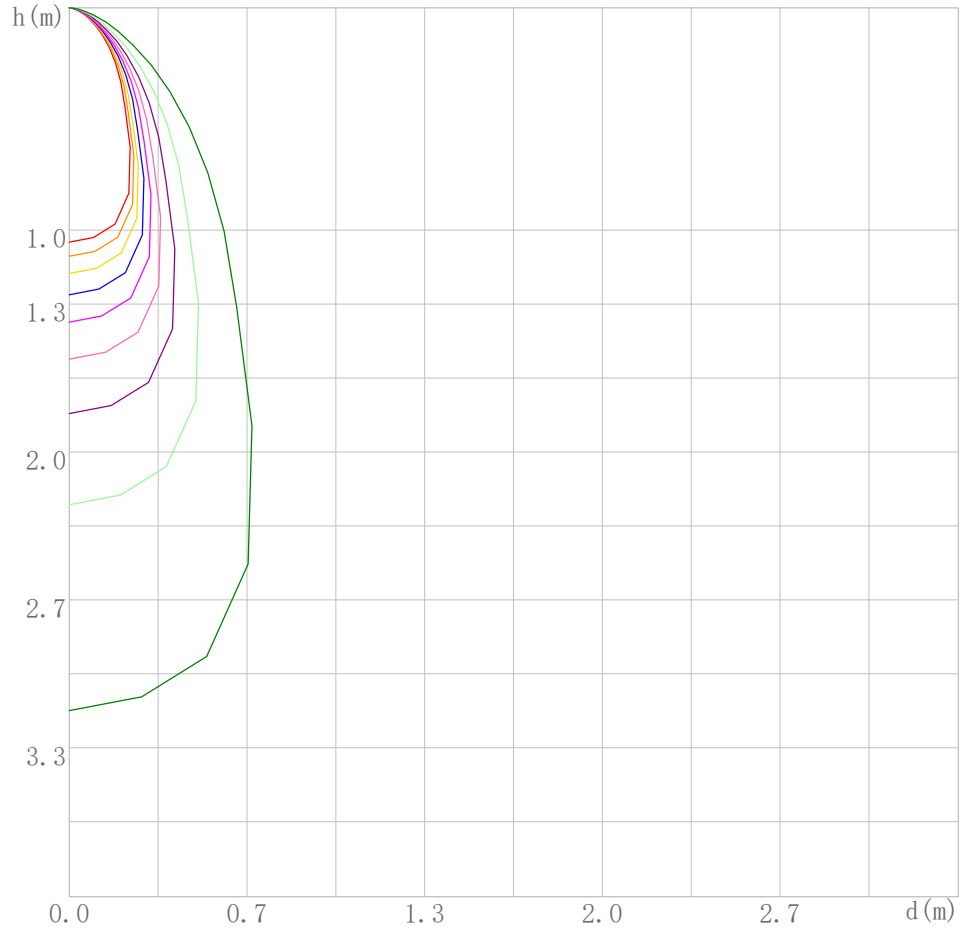
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Space ISO Illuminance Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

Space ISO Illuminance Curve




Curves:
[Unit: lx]
[EMax] =1963.462
[EMax*90%]=1767.116
[EMax*80%]=1570.770
[EMax*70%]=1374.423
[EMax*60%]=1178.077
[EMax*50%]=981.731
[EMax*40%]=785.385
[EMax*30%]=589.039
[EMax*20%]=392.692
[EMax*10%]=196.346

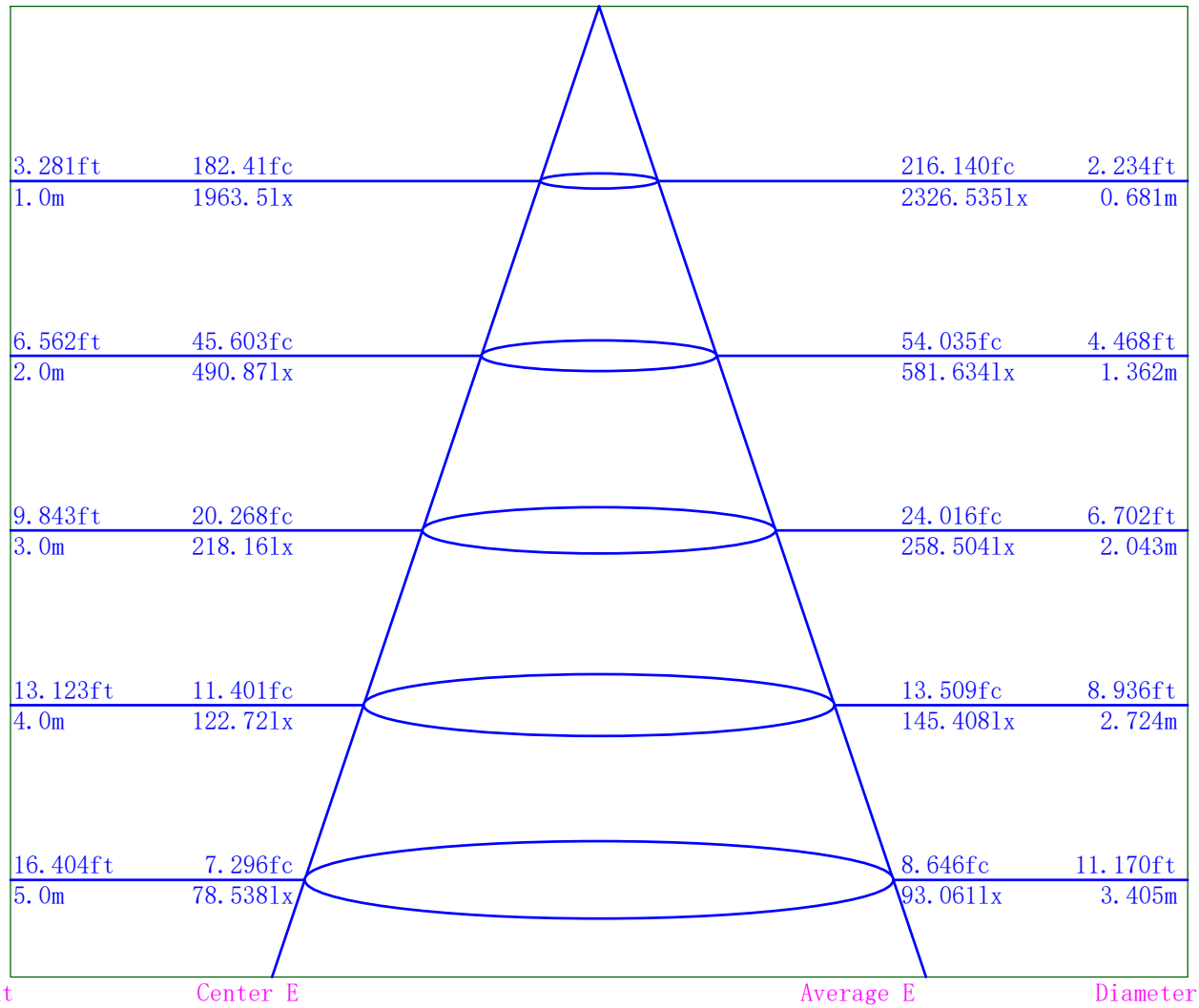
Space Plane Maximum Illuminance and @Angle:1963.46lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:1963.462cd,0eg

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Illuminance-Distance Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

Illuminance-Distance Curve




Beam Angle:37.6

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Indoor Luminance Limiting Curves

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

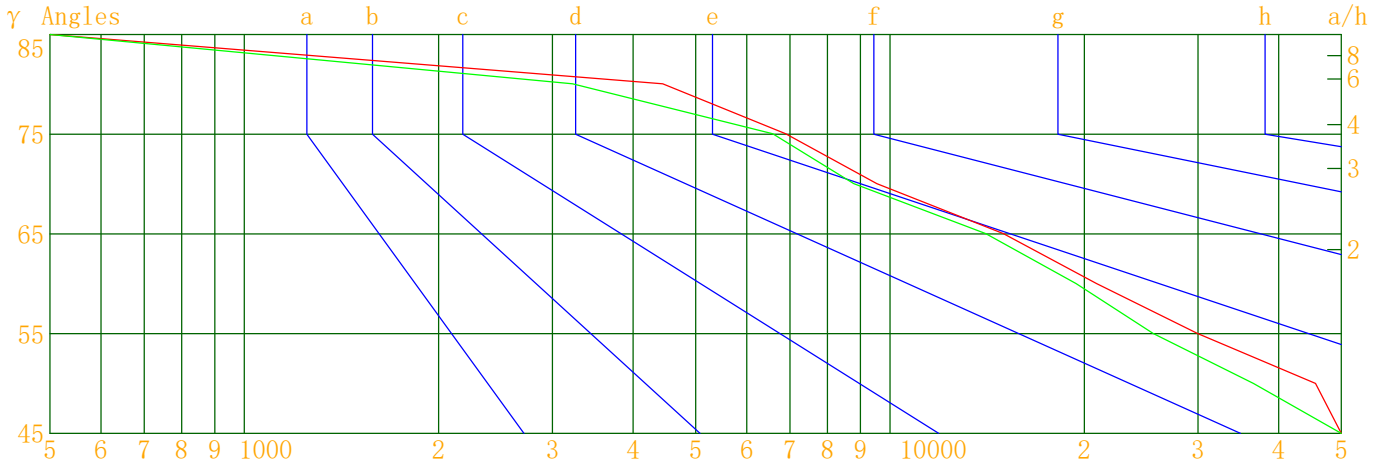
Glare Grade Table

| GI | Quality | Using Illuminace | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.5 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.2 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | a | | | | 2000 | 1000 | 500 | <=300 |
| | | | b | c | d | e | f | g | h |

Luminance Table

| Gama(deg) | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|---|---|---|---|---|---|---|---|---|---|
| C0 | 66322 | 45618 | 29951 | 20889 | 14981 | 9545 | 6893 | 4447 | 0 |
| C90 | 51247 | 36543 | 25559 | 19419 | 14071 | 8792 | 6580 | 3224 | 0 |

Luminance Limiting Curve




Luminous Size: Length(m)=0.041 Width(m)=0.041 Height(m)=0.000 Area(m^2)=0.001681

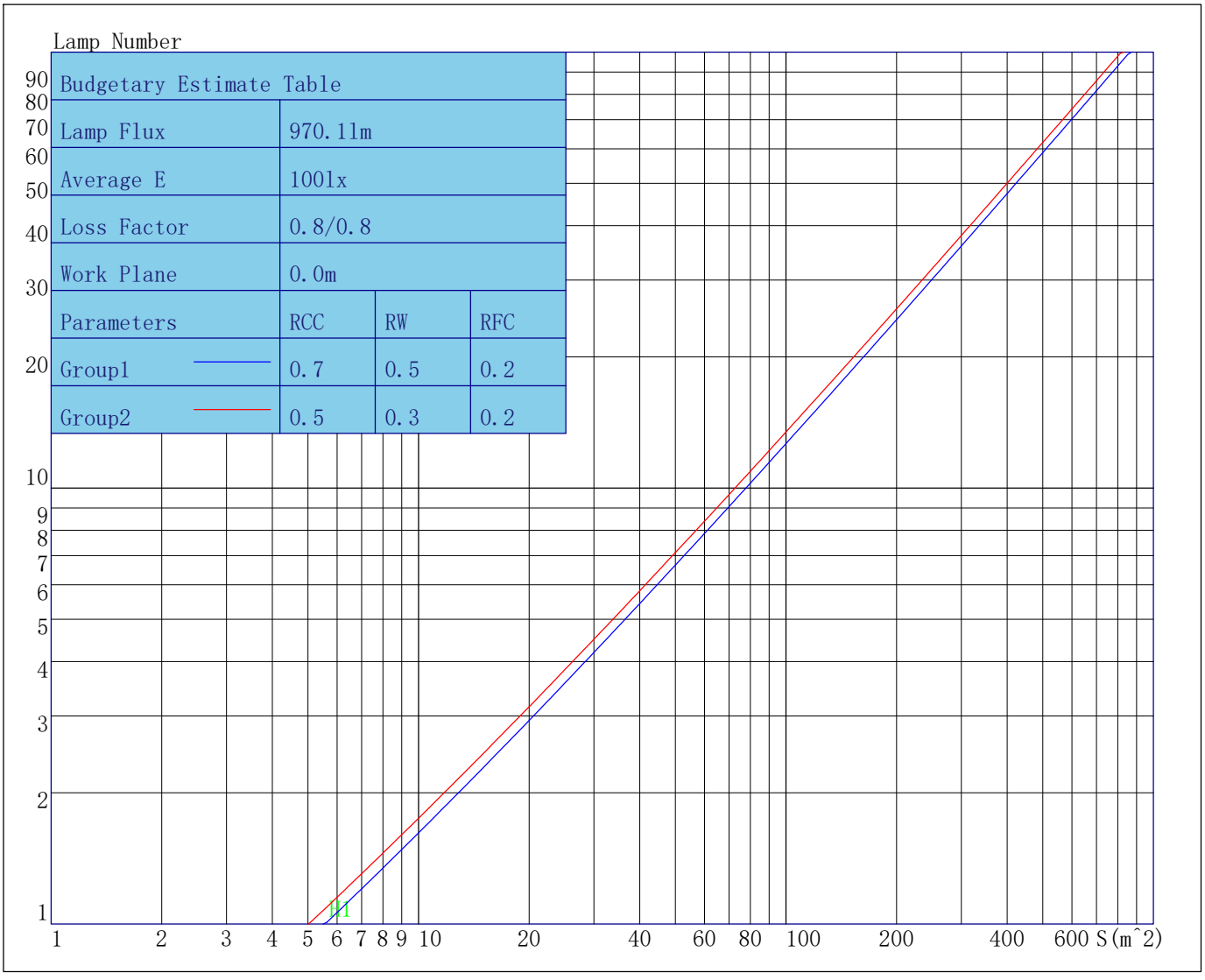
Luminous Type: Without Luminous Side

Luminous Curves: C0-C180 Color: C90-C270 Color:

# IES Indoor Report
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## Indoor Budgetary Estimate Table

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |




Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Indoor Coefficient of Utilization Table

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

| Coefficients of Utilization - Zonal Cavity Method | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coef. | Effective Floor Cavity Reflectance RFC=0.20 | | | | | | | | | | | | | | | | | |
| RhoCC(%) | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
| RhoW(%) | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | Coefficient of Utilization(%) | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 |
| 2 | 109 | 104 | 100 | 97 | 106 | 102 | 99 | 96 | 99 | 96 | 94 | 96 | 94 | 92 | 93 | 91 | 90 | 88 |
| 3 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 89 | 94 | 90 | 87 | 91 | 88 | 86 | 89 | 86 | 84 | 83 |
| 4 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 82 | 89 | 85 | 81 | 87 | 83 | 80 | 85 | 82 | 80 | 78 |
| 5 | 95 | 87 | 82 | 78 | 93 | 86 | 81 | 77 | 84 | 80 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 74 |
| 6 | 91 | 82 | 77 | 73 | 89 | 82 | 76 | 73 | 80 | 76 | 72 | 79 | 75 | 72 | 77 | 74 | 71 | 70 |
| 7 | 87 | 78 | 73 | 69 | 86 | 78 | 72 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 66 |
| 8 | 83 | 75 | 69 | 65 | 82 | 74 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 |
| 9 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 62 | 60 |
| 10 | 77 | 68 | 63 | 59 | 76 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 58 |

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Unified Glare Rating Table

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5700K RA90 36D | Lum.Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting | Test Machine:GON-2000 | Test Date: 2022/11/02 |

### Unified Glare Rating Table

| Ceiling RCC | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Wall RW | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| Floor RFC | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room Size | | Vewed crosswise | | | | | Vewed endwise | | | | |
| X=2H | Y=2H | 21.6 | 22.6 | 22.0 | 22.9 | 23.3 | 20.6 | 21.6 | 20.9 | 21.9 | 22.2 |
| | Y=3H | 21.6 | 22.5 | 22.0 | 22.8 | 23.2 | 20.6 | 21.5 | 21.0 | 21.8 | 22.2 |
| | Y=4H | 21.5 | 22.4 | 22.0 | 22.7 | 23.1 | 20.5 | 21.4 | 21.0 | 21.7 | 22.1 |
| | Y=6H | 21.5 | 22.2 | 21.9 | 22.6 | 23.0 | 20.5 | 21.2 | 20.9 | 21.6 | 22.0 |
| | Y=8H | 21.4 | 22.1 | 21.9 | 22.5 | 22.9 | 20.4 | 21.1 | 20.9 | 21.5 | 21.9 |
| | Y=12H | 21.4 | 22.0 | 21.8 | 22.4 | 22.9 | 20.4 | 21.0 | 20.8 | 21.4 | 21.9 |
| X=4H | Y=2H | 21.5 | 22.3 | 21.9 | 22.7 | 23.1 | 20.5 | 21.3 | 20.9 | 21.7 | 22.1 |
| | Y=3H | 21.5 | 22.2 | 21.9 | 22.6 | 23.0 | 20.6 | 21.3 | 21.0 | 21.7 | 22.1 |
| | Y=4H | 21.5 | 22.1 | 21.9 | 22.5 | 23.0 | 20.5 | 21.2 | 21.0 | 21.6 | 22.0 |
| | Y=6H | 21.4 | 21.9 | 21.9 | 22.4 | 22.9 | 20.5 | 21.0 | 21.0 | 21.5 | 21.9 |
| | Y=8H | 21.3 | 21.8 | 21.8 | 22.3 | 22.8 | 20.4 | 20.9 | 20.9 | 21.4 | 21.8 |
| | Y=12H | 21.3 | 21.7 | 21.8 | 22.2 | 22.7 | 20.4 | 20.8 | 20.8 | 21.3 | 21.7 |
| X=8H | Y=4H | 21.3 | 21.8 | 21.8 | 22.3 | 22.8 | 20.4 | 20.9 | 20.9 | 21.4 | 21.8 |
| | Y=6H | 21.3 | 21.7 | 21.8 | 22.2 | 22.7 | 20.3 | 20.7 | 20.9 | 21.2 | 21.8 |
| | Y=8H | 21.2 | 21.6 | 21.8 | 22.1 | 22.6 | 20.3 | 20.6 | 20.8 | 21.2 | 21.7 |
| | Y=12H | 21.2 | 21.5 | 21.7 | 22.0 | 22.6 | 20.2 | 20.5 | 20.8 | 21.0 | 21.6 |
| X=12H | Y=4H | 21.3 | 21.7 | 21.8 | 22.2 | 22.7 | 20.4 | 20.8 | 20.9 | 21.3 | 21.8 |
| | Y=6H | 21.2 | 21.6 | 21.8 | 22.0 | 22.6 | 20.3 | 20.6 | 20.8 | 21.1 | 21.7 |
| | Y=8H | 21.2 | 21.5 | 21.7 | 22.0 | 22.6 | 20.2 | 20.5 | 20.8 | 21.0 | 21.6 |
| Variations with the objerver position at spacings | | | | | | | | | | | |
| S=1.0H | | 0.9/-1.0 | | | | | 1.1/-1.3 | | | | |
| S=1.5H | | 1.6/-1.9 | | | | | 1.8/-2.2 | | | | |
| S=2.0H | | 2.8/-3.3 | | | | | 2.9/-3.6 | | | | |
| Reduced UGR Table: | | | | | | | | | | | |
| Nordic Standard Table: | | BK0 | | | | | BK0 | | | | |
| Correction Value | | 0.3 | | | | | 0.4 | | | | |

o the CIE Pub.117,data has been corrected,refers to the lamp's lumens 8.2flm.

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5700K RA90 36D.IES

## Candela Tabulation

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|---|---|---|---|---|
| γ 0.0 | 1963.46 | 1963.46 | 1963.46 | 1963.46 |
| γ 5.0 | 1908.92 | 1894.00 | 1919.01 | 1880.73 |
| γ 10.0 | 1751.77 | 1663.70 | 1762.84 | 1678.56 |
| γ 15.0 | 1364.83 | 1267.45 | 1407.97 | 1329.82 |
| γ 20.0 | 837.33 | 768.45 | 871.42 | 844.12 |
| γ 25.0 | 476.68 | 398.23 | 458.27 | 446.99 |
| γ 30.0 | 305.40 | 239.81 | 277.61 | 267.35 |
| γ 35.0 | 196.39 | 148.85 | 169.90 | 164.28 |
| γ 40.0 | 125.37 | 96.31 | 107.36 | 104.65 |
| γ 45.0 | 78.83 | 60.92 | 67.50 | 66.94 |
| γ 50.0 | 49.29 | 39.49 | 41.40 | 42.22 |
| γ 55.0 | 28.88 | 24.64 | 27.83 | 28.28 |
| γ 60.0 | 17.56 | 16.32 | 16.44 | 17.08 |
| γ 65.0 | 10.64 | 10.00 | 10.73 | 10.78 |
| γ 70.0 | 5.49 | 5.05 | 6.04 | 6.59 |
| γ 75.0 | 3.00 | 2.86 | 2.97 | 3.54 |
| γ 80.0 | 1.30 | 0.94 | 1.58 | 1.77 |
| γ 85.0 | 0.00 | 0.00 | 0.10 | 0.16 |
| γ 90.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 95.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 100.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 105.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 110.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 115.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 120.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 125.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 130.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 135.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 140.0 | 0.00 | 0.00 | 0.00 | 0.51 |
| γ 145.0 | 0.52 | 0.45 | 0.42 | 1.11 |
| γ 150.0 | 1.11 | 1.40 | 1.30 | 1.79 |
| γ 155.0 | 2.03 | 1.74 | 2.07 | 2.35 |
| γ 160.0 | 2.16 | 2.24 | 2.75 | 3.06 |
| γ 165.0 | 2.23 | 2.42 | 2.79 | 2.90 |
| γ 170.0 | 2.73 | 2.53 | 2.85 | 3.10 |
| γ 175.0 | 2.82 | 2.95 | 2.91 | 3.20 |
| γ 180.0 | 3.20 | 3.20 | 3.20 | 3.20 |