# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## Indoor Luminaire Photometric Data

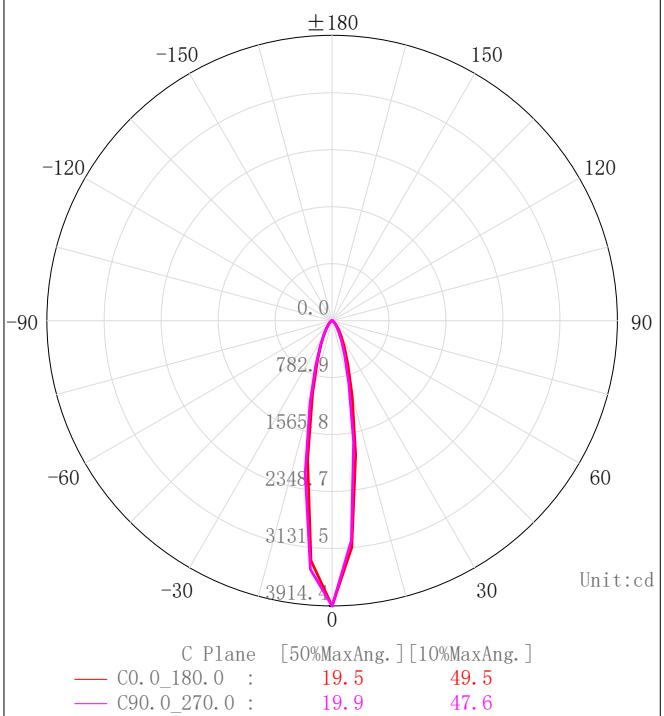
### Description Information

| | | | |
|---|---|---|---|
| Luminary Name: TR10-12-C5-01 5000K RA90 15D | | 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

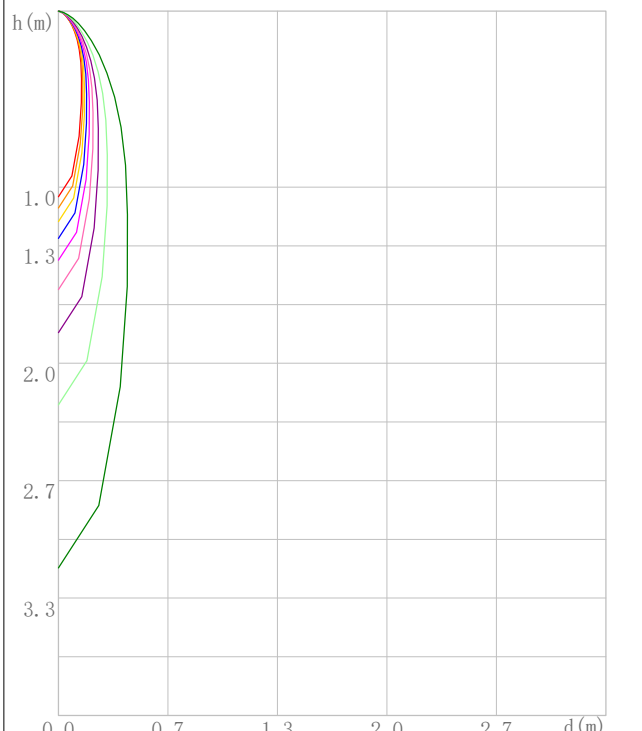
| Lamp Speciality Parameter | Luminaire Speciality Parameter | |
|---|---|---|
| Rated Flux(lm): 924.800 | Luminary Flux(lm): 924.795 | Field Angle(10%Imax): 49.5(° ) |
| Rated Power(W): | Luminary Efficiency: 100.00% | Down Lumens&Percent: 923.474lm 99.86% |
| Rated Voltage(V): | Luminary EER(lm/W): 77.131 | Up Lumens&Percent: 1.321lm 0.14% |
| Tested Power(W): 11.990 | Max.Candela(cd): 3914.422 | S/MH: C0_a180=0.334 C90_270=0.337 |
| Lamps' Inside: 1 | Max Cand@Ang.(° ): C=0.0 γ=0.0 | CIE Type: Semi-Direct |
| Tested Electrics(V,A,pf):229.9,0.054 | Beam Angle(50%Imax): 19.5(° ) | ErP Φuse(90° ): 852.908lm |
| Lamp Size(W*L*H):0.041m*0.041m*0.000m | Left=-9.9° ,Right=9.6° | IRF(%): 876.529 |

### C Plane Distribution Diagram




| C Plane | [50%MaxAng.] | [10%MaxAng.] |
|---|---|---|
| C0.0_180.0 : | 19.5 | 49.5 |
| C90.0_270.0 : | 19.9 | 47.6 |

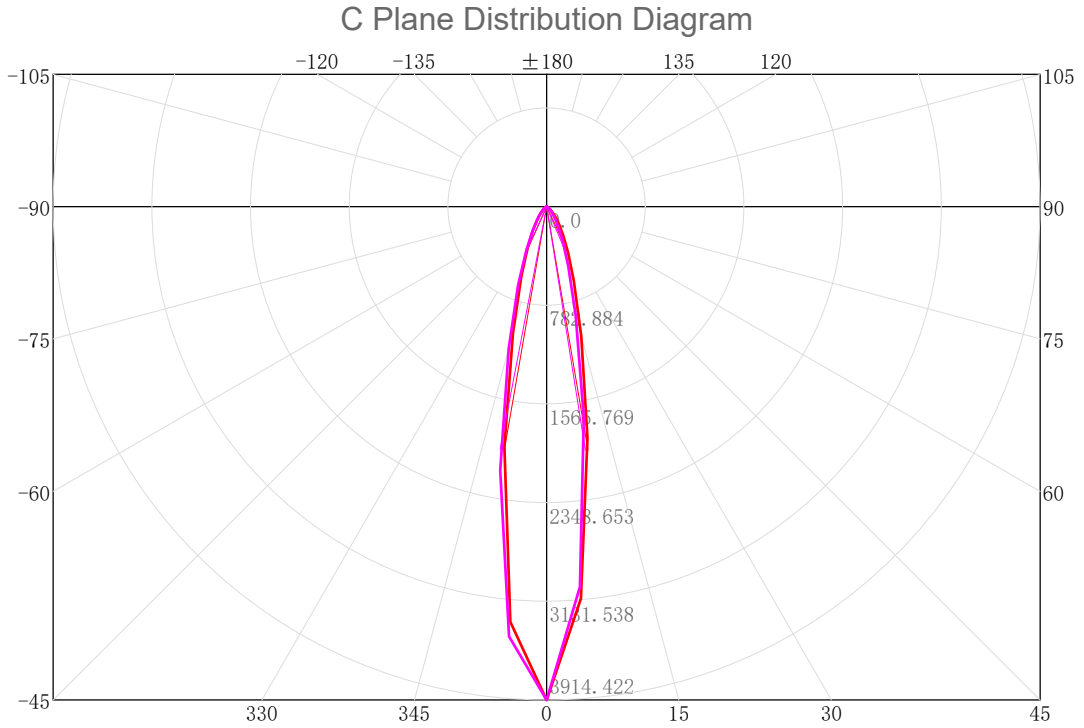
### C0 Space ISO Illuminance Curve

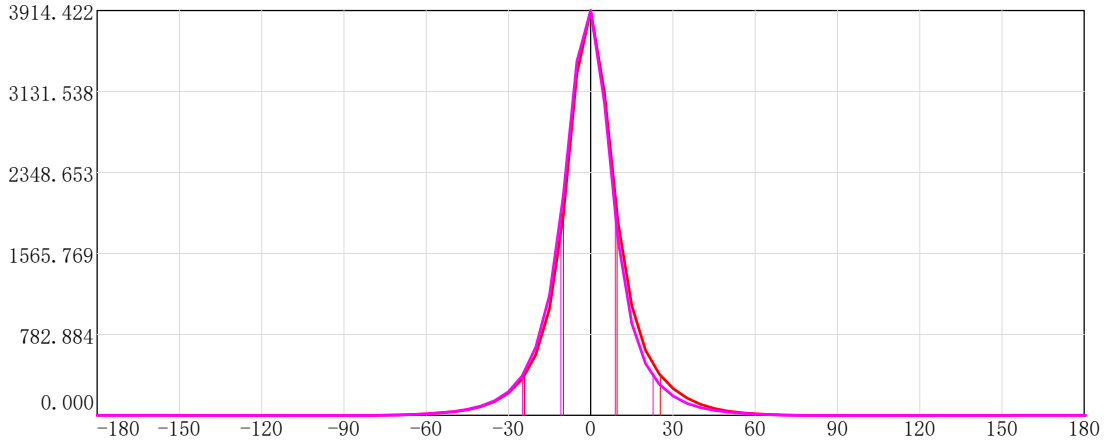


# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## 2D Plane Light Intensity Distribution Curve

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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 |



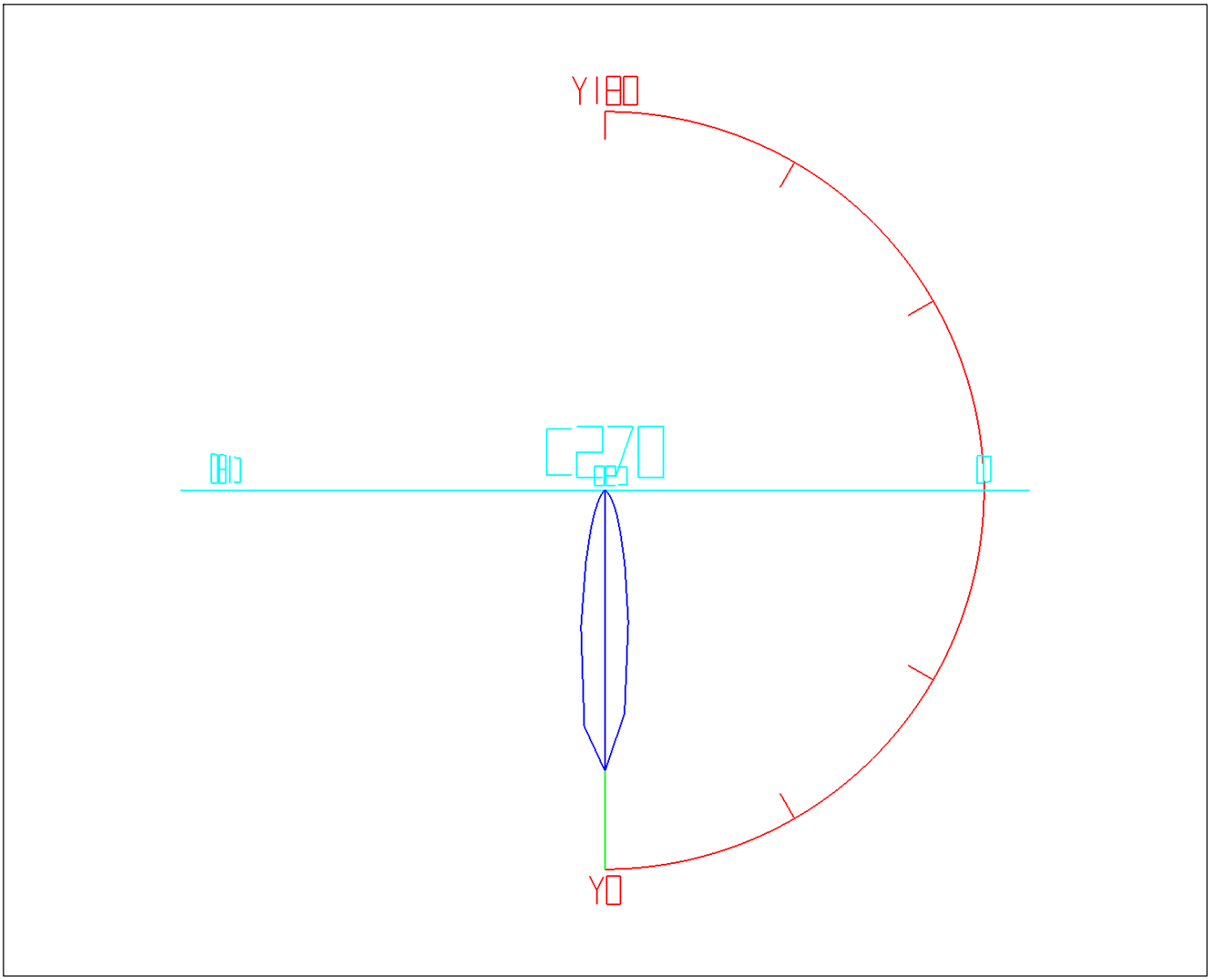

| C Plane | [50%MaxAng.] | [10%MaxAng.] | Unit:cd |
|---|---|---|---|
| C0.0_180.0 : | 19.5 | 49.5 | |
| C90.0_270.0 : | 19.9 | 47.6 | |

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## 3D Light Intensity Distribution Modal

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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 5000K RA90 15D.IES

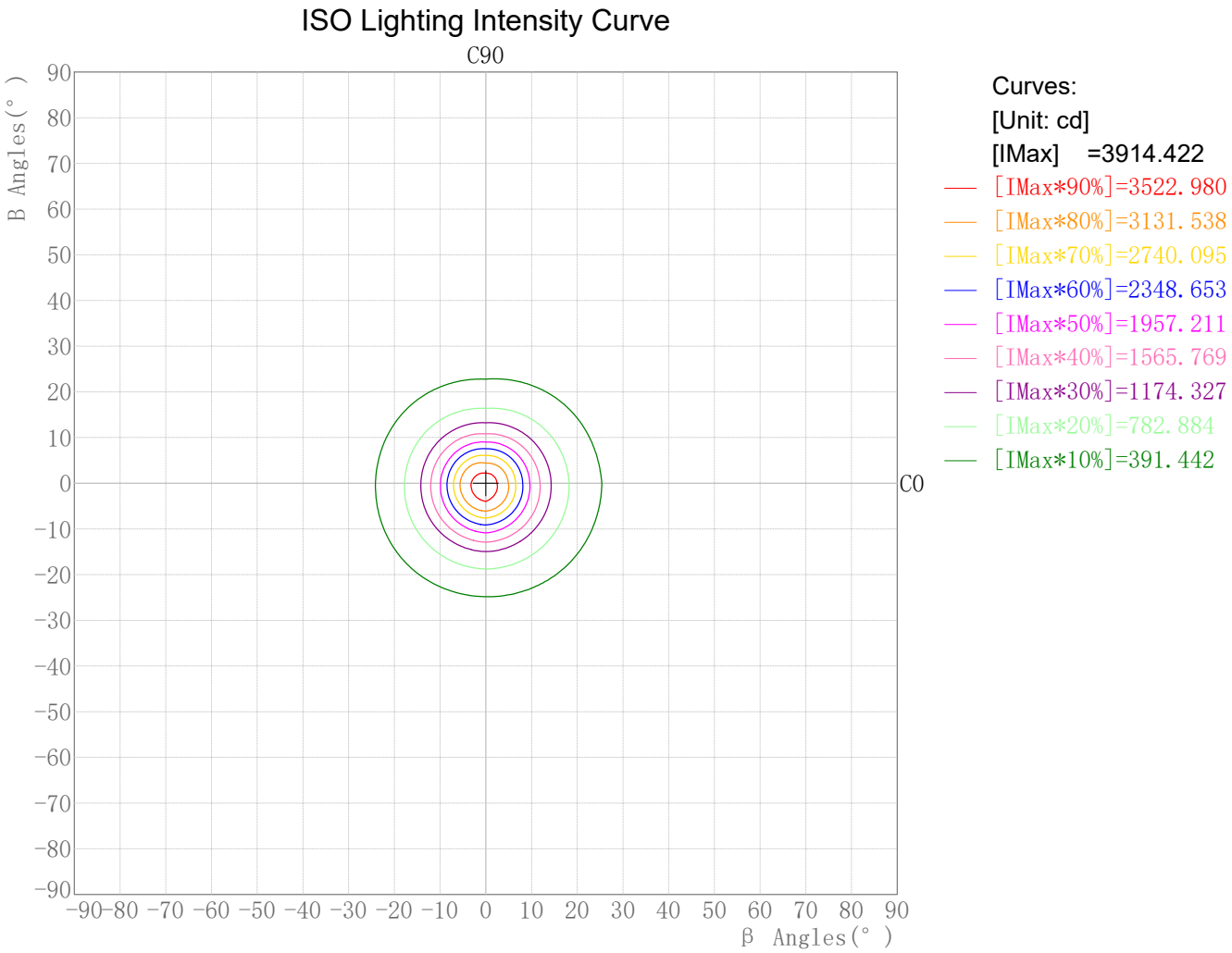
## Zonal Flux Tabulation

| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|---|---|---|---|---|
| 0.0-5.0 | 85.28 | 85.28 | 9.22 | 9.22 |
| 5.0-10.0 | 183.27 | 268.55 | 19.82 | 29.04 |
| 10.0-15.0 | 174.44 | 442.99 | 18.86 | 47.90 |
| 15.0-20.0 | 134.39 | 577.39 | 14.53 | 62.43 |
| 20.0-25.0 | 100.02 | 677.41 | 10.82 | 73.25 |
| 25.0-30.0 | 73.88 | 751.28 | 7.99 | 81.24 |
| 30.0-35.0 | 53.80 | 805.08 | 5.82 | 87.05 |
| 35.0-40.0 | 38.51 | 843.59 | 4.16 | 91.22 |
| 40.0-45.0 | 27.32 | 870.90 | 2.95 | 94.17 |
| 45.0-50.0 | 19.12 | 890.02 | 2.07 | 96.24 |
| 50.0-55.0 | 13.25 | 903.27 | 1.43 | 97.67 |
| 55.0-60.0 | 8.99 | 912.26 | 0.97 | 98.64 |
| 60.0-65.0 | 5.71 | 917.97 | 0.62 | 99.26 |
| 65.0-70.0 | 3.29 | 921.26 | 0.36 | 99.62 |
| 70.0-75.0 | 1.60 | 922.86 | 0.17 | 99.79 |
| 75.0-80.0 | 0.55 | 923.41 | 0.06 | 99.85 |
| 80.0-85.0 | 0.06 | 923.47 | 0.01 | 99.86 |
| 85.0-90.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 90.0-95.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 95.0-100.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 100.0-105.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 105.0-110.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 110.0-115.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 115.0-120.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 120.0-125.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 125.0-130.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 130.0-135.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 135.0-140.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 140.0-145.0 | 0.00 | 923.47 | 0.00 | 99.86 |
| 145.0-150.0 | 0.11 | 923.58 | 0.01 | 99.87 |
| 150.0-155.0 | 0.25 | 923.83 | 0.03 | 99.90 |
| 155.0-160.0 | 0.31 | 924.14 | 0.03 | 99.93 |
| 160.0-165.0 | 0.28 | 924.42 | 0.03 | 99.96 |
| 165.0-170.0 | 0.21 | 924.63 | 0.02 | 99.98 |
| 170.0-175.0 | 0.13 | 924.76 | 0.01 | 100.00 |
| 175.0-180.0 | 0.04 | 924.80 | 0.00 | 100.00 |

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## Rectangle ISO Lighting Intensity Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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): 3914.42

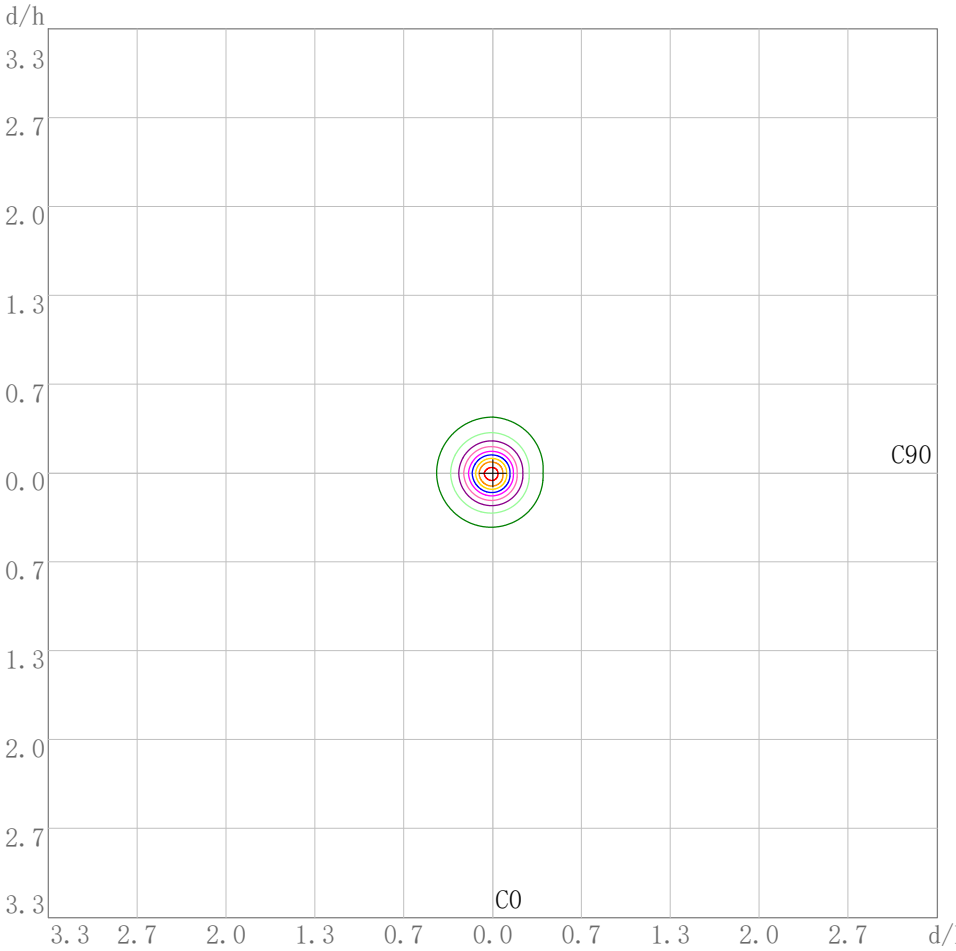
Maximum Cand.@Angle: H=0.0°,V=0.0°

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## Plane ISO-Illuminance Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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




Curves:
unit:lx
[EMax] =434.936
[EMax*90%]=391.442
[EMax*80%]=347.949
[EMax*70%]=304.455
[EMax*60%]=260.961
[EMax*50%]=217.468
[EMax*40%]=173.974
[EMax*30%]=130.481
[EMax*20%]=86.987
[EMax*10%]=43.494

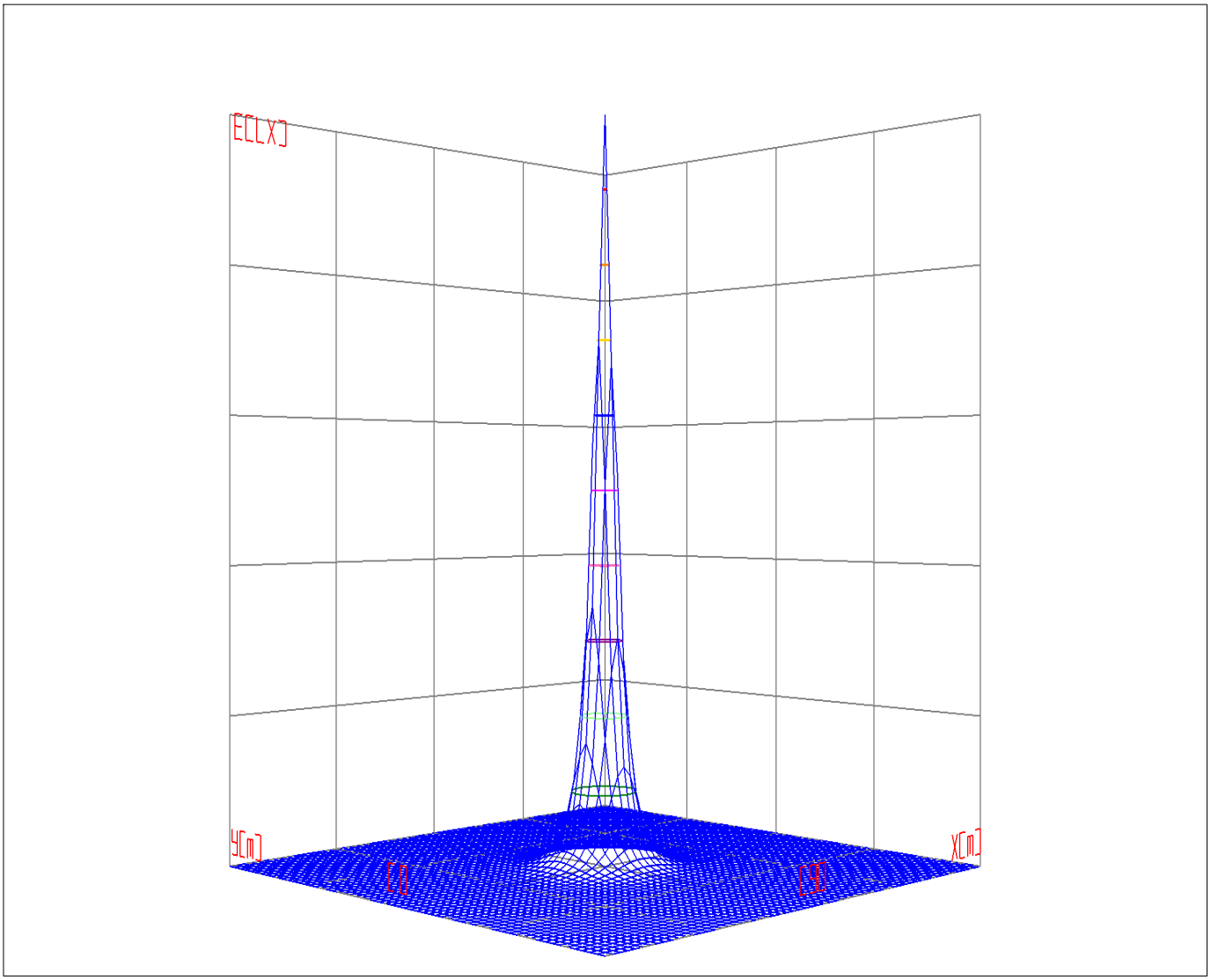
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 434.94
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## 3D Plane ISO Illuminance Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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%

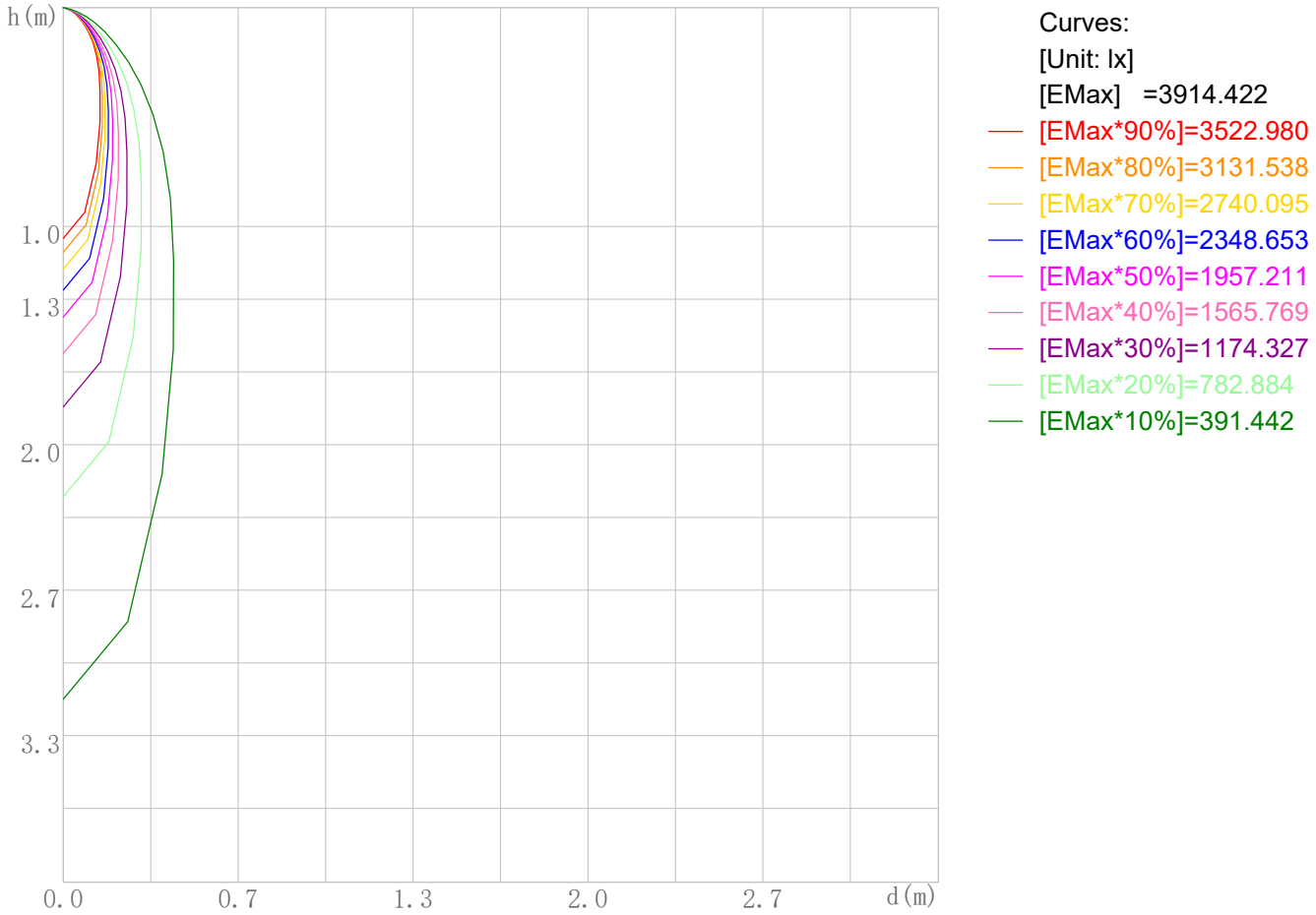
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## Space ISO Illuminance Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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



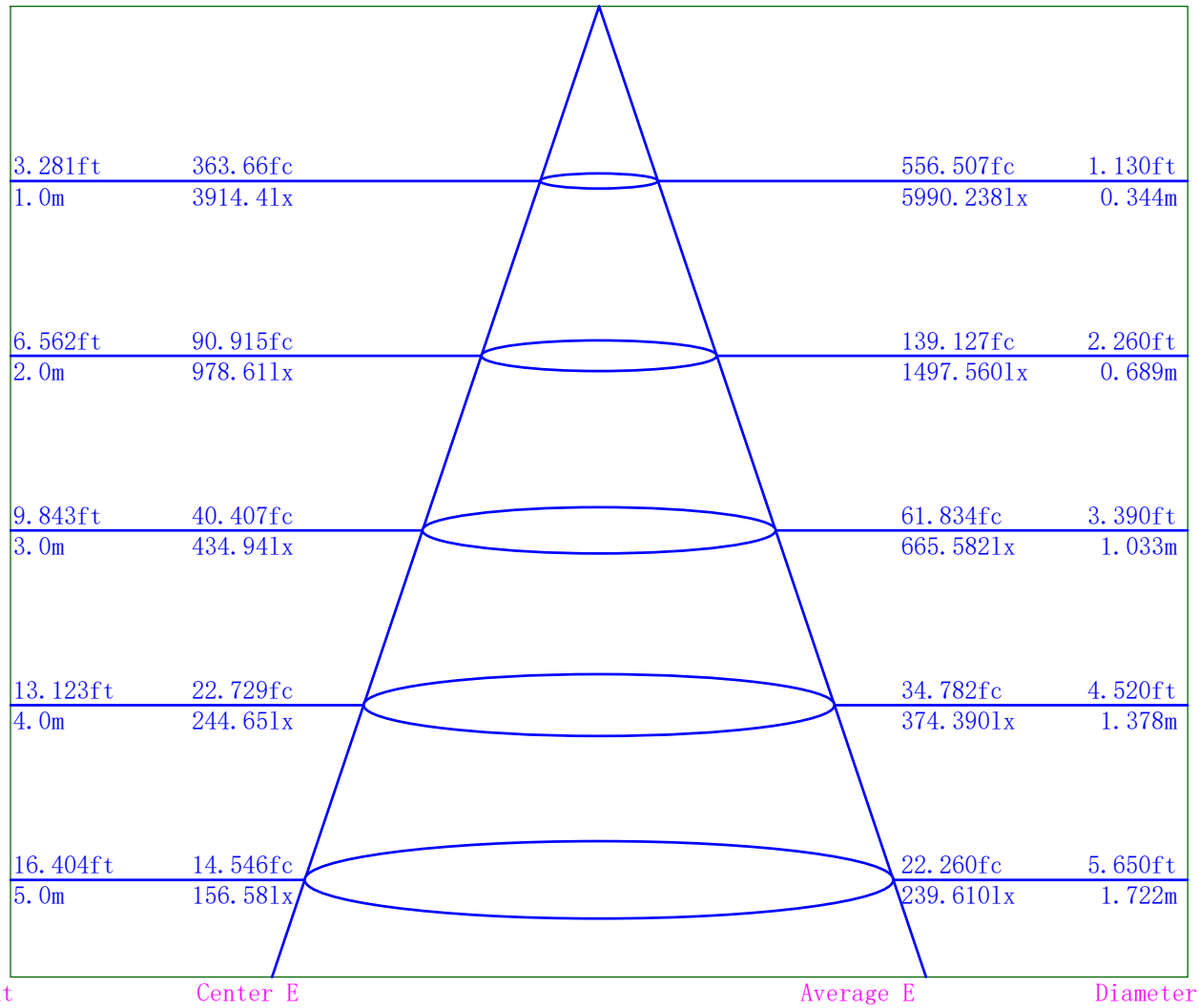

Space Plane Maximum Illuminance and @Angle:3914.42lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:3914.422cd,0eg

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## Illuminance-Distance Diagram

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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:19.5

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## Indoor Luminance Limiting Curves

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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 |

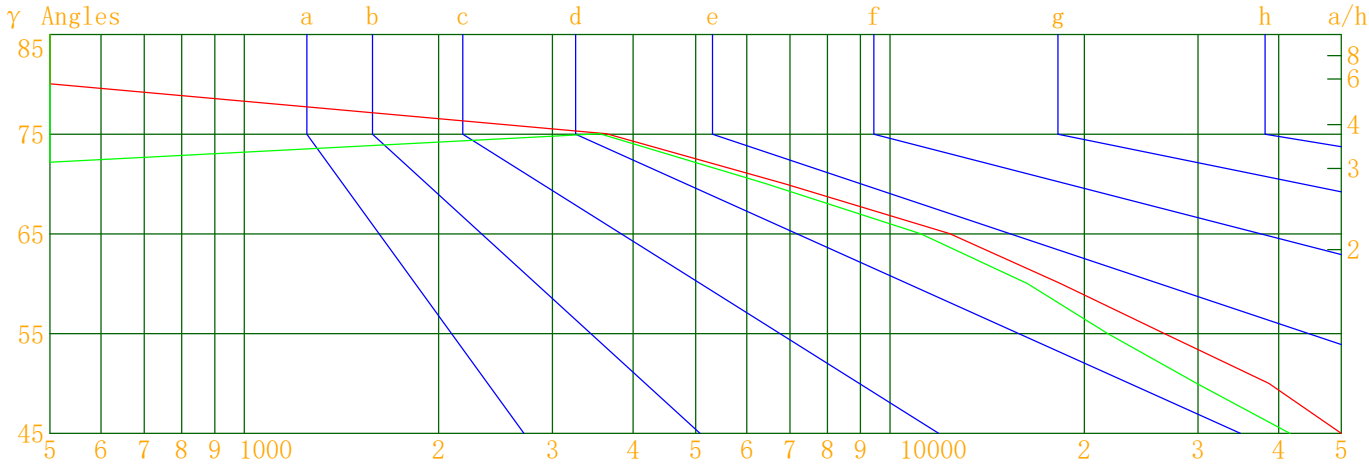
Glare Grade Table

| 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 | 57393 | 38621 | 26587 | 18374 | 12366 | 6863 | 3638 | 0 | 0 |
| C90 | 41636 | 29853 | 21732 | 16321 | 11143 | 6427 | 3553 | 116 | 0 |

Luminance Limiting Curve




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

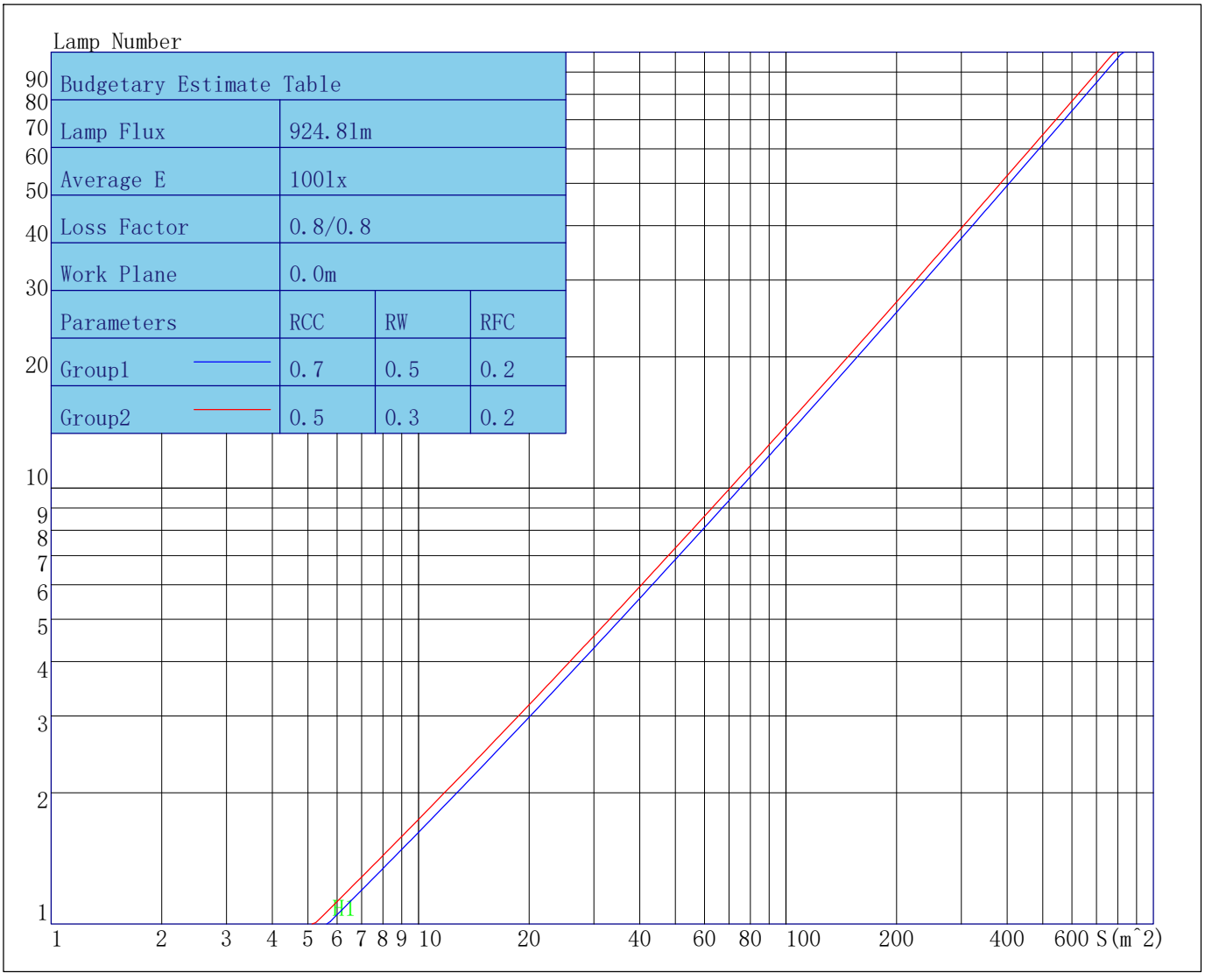
Luminous Type: Without Luminous Side

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

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## Indoor Budgetary Estimate Table

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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 5000K RA90 15D.IES

## Indoor Coefficient of Utilization Table

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 99 | 98 | 97 | 97 | 95 |
| 2 | 109 | 105 | 102 | 99 | 107 | 103 | 100 | 98 | 100 | 98 | 95 | 97 | 95 | 93 | 95 | 93 | 91 | 90 |
| 3 | 105 | 99 | 95 | 92 | 103 | 98 | 94 | 91 | 95 | 92 | 90 | 93 | 90 | 88 | 91 | 89 | 87 | 85 |
| 4 | 101 | 94 | 90 | 86 | 99 | 93 | 89 | 85 | 91 | 87 | 84 | 89 | 86 | 84 | 87 | 85 | 83 | 81 |
| 5 | 97 | 90 | 85 | 81 | 95 | 89 | 84 | 81 | 87 | 83 | 80 | 86 | 82 | 79 | 84 | 81 | 79 | 77 |
| 6 | 93 | 86 | 81 | 77 | 92 | 85 | 80 | 77 | 84 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 75 | 74 |
| 7 | 90 | 82 | 77 | 74 | 89 | 82 | 77 | 73 | 80 | 76 | 73 | 79 | 75 | 73 | 78 | 75 | 72 | 71 |
| 8 | 87 | 79 | 74 | 71 | 86 | 78 | 74 | 70 | 77 | 73 | 70 | 76 | 73 | 70 | 76 | 72 | 70 | 68 |
| 9 | 84 | 76 | 71 | 68 | 83 | 75 | 71 | 68 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 70 | 67 | 66 |
| 10 | 81 | 73 | 68 | 65 | 80 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 68 | 65 | 71 | 67 | 65 | 64 |

# IES Indoor Report
# Photometric Filename:TR10-12-C5-01 5000K RA90 15D.IES

## Unified Glare Rating Table

| | | |
|---|---|---|
| Lum.Name: TR10-12-C5-01 5000K RA90 15D | 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 | 20.7 | 21.7 | 21.1 | 22.1 | 22.4 | 19.3 | 20.3 | 19.7 | 20.7 | 21.0 |
| | Y=3H | 20.7 | 21.6 | 21.1 | 21.9 | 22.3 | 19.3 | 20.2 | 19.7 | 20.6 | 20.9 |
| | Y=4H | 20.6 | 21.4 | 21.0 | 21.8 | 22.2 | 19.2 | 20.1 | 19.6 | 20.4 | 20.8 |
| | Y=6H | 20.5 | 21.3 | 20.9 | 21.6 | 22.0 | 19.1 | 19.9 | 19.6 | 20.3 | 20.7 |
| | Y=8H | 20.4 | 21.2 | 20.9 | 21.6 | 22.0 | 19.1 | 19.8 | 19.5 | 20.2 | 20.6 |
| | Y=12H | 20.4 | 21.1 | 20.8 | 21.5 | 21.9 | 19.0 | 19.7 | 19.5 | 20.1 | 20.5 |
| X=4H | Y=2H | 20.6 | 21.4 | 21.0 | 21.8 | 22.2 | 19.3 | 20.1 | 19.7 | 20.5 | 20.9 |
| | Y=3H | 20.6 | 21.3 | 21.0 | 21.7 | 22.1 | 19.3 | 20.0 | 19.7 | 20.4 | 20.8 |
| | Y=4H | 20.5 | 21.1 | 20.9 | 21.5 | 22.0 | 19.2 | 19.8 | 19.6 | 20.3 | 20.7 |
| | Y=6H | 20.4 | 20.9 | 20.9 | 21.4 | 21.9 | 19.1 | 19.6 | 19.6 | 20.1 | 20.6 |
| | Y=8H | 20.3 | 20.8 | 20.8 | 21.3 | 21.8 | 19.0 | 19.5 | 19.5 | 20.0 | 20.5 |
| | Y=12H | 20.3 | 20.7 | 20.7 | 21.2 | 21.7 | 19.0 | 19.4 | 19.5 | 19.9 | 20.4 |
| X=8H | Y=4H | 20.3 | 20.8 | 20.8 | 21.3 | 21.8 | 19.1 | 19.6 | 19.5 | 20.0 | 20.5 |
| | Y=6H | 20.2 | 20.6 | 20.7 | 21.1 | 21.7 | 18.9 | 19.3 | 19.4 | 19.9 | 20.4 |
| | Y=8H | 20.1 | 20.5 | 20.7 | 21.0 | 21.5 | 18.9 | 19.2 | 19.4 | 19.8 | 20.3 |
| | Y=12H | 20.1 | 20.4 | 20.6 | 20.9 | 21.5 | 18.8 | 19.1 | 19.3 | 19.6 | 20.2 |
| X=12H | Y=4H | 20.3 | 20.7 | 20.8 | 21.2 | 21.7 | 19.0 | 19.4 | 19.5 | 19.9 | 20.4 |
| | Y=6H | 20.1 | 20.5 | 20.7 | 21.0 | 21.5 | 18.9 | 19.2 | 19.4 | 19.7 | 20.3 |
| | Y=8H | 20.1 | 20.4 | 20.6 | 20.9 | 21.5 | 18.8 | 19.1 | 19.3 | 19.6 | 20.2 |
| Variations with the objerver position at spacings | | | | | | | | | | | |
| S=1.0H | | 2.2/-3.8 | | | | | 2.2/-3.8 | | | | |
| S=1.5H | | 2.9/-4.8 | | | | | 2.9/-4.7 | | | | |
| S=2.0H | | 3.9/-6.6 | | | | | 3.8/-6.4 | | | | |
| Reduced UGR Table: | | | | | | | | | | | |
| Nordic Standard Table: | | BK0 | | | | | BK0 | | | | |
| Correction Value | | 0.2 | | | | | 0.3 | | | | |

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 5000K RA90 15D.IES

## Candela Tabulation

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|---|---|---|---|---|
| γ 0.0 | 3914.42 | 3914.42 | 3914.42 | 3914.42 |
| γ 5.0 | 3121.51 | 3026.47 | 3305.50 | 3422.75 |
| γ 10.0 | 1864.79 | 1695.47 | 1932.85 | 2123.39 |
| γ 15.0 | 1061.92 | 887.99 | 1032.23 | 1164.19 |
| γ 20.0 | 629.33 | 501.67 | 586.48 | 659.09 |
| γ 25.0 | 402.37 | 303.12 | 350.56 | 382.00 |
| γ 30.0 | 261.98 | 188.06 | 217.31 | 229.66 |
| γ 35.0 | 169.57 | 117.83 | 134.52 | 142.38 |
| γ 40.0 | 108.11 | 75.24 | 84.57 | 90.95 |
| γ 45.0 | 68.22 | 49.49 | 54.47 | 59.05 |
| γ 50.0 | 41.73 | 32.26 | 35.76 | 37.53 |
| γ 55.0 | 25.64 | 20.95 | 24.20 | 25.61 |
| γ 60.0 | 15.44 | 13.72 | 14.60 | 15.38 |
| γ 65.0 | 8.78 | 7.92 | 8.64 | 9.43 |
| γ 70.0 | 3.95 | 3.69 | 4.33 | 5.30 |
| γ 75.0 | 1.58 | 1.55 | 1.69 | 2.47 |
| γ 80.0 | 0.00 | 0.03 | 0.33 | 0.54 |
| γ 85.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0.00 |
| γ 145.0 | 0.00 | 0.01 | 0.00 | 0.00 |
| γ 150.0 | 0.51 | 0.71 | 1.23 | 0.42 |
| γ 155.0 | 1.03 | 1.53 | 1.47 | 1.01 |
| γ 160.0 | 1.18 | 1.85 | 1.84 | 1.88 |
| γ 165.0 | 1.77 | 1.55 | 1.84 | 1.63 |
| γ 170.0 | 2.02 | 1.85 | 1.86 | 1.73 |
| γ 175.0 | 1.46 | 1.87 | 1.59 | 1.74 |
| γ 180.0 | 1.56 | 1.56 | 1.56 | 1.56 |