

IES Indoor Report

Photometric Filename:24W Downlight 3000K.IES

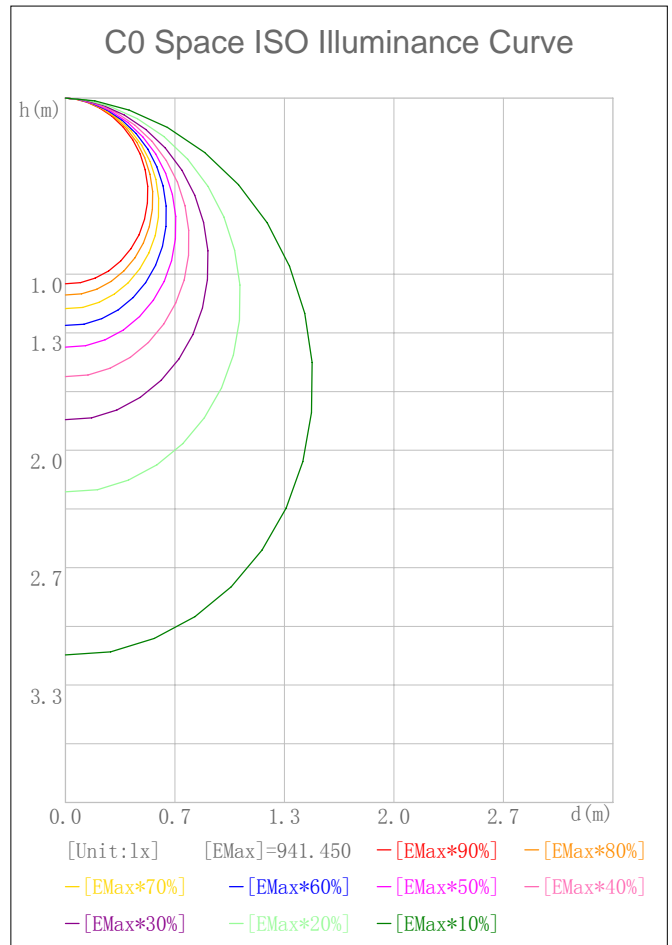
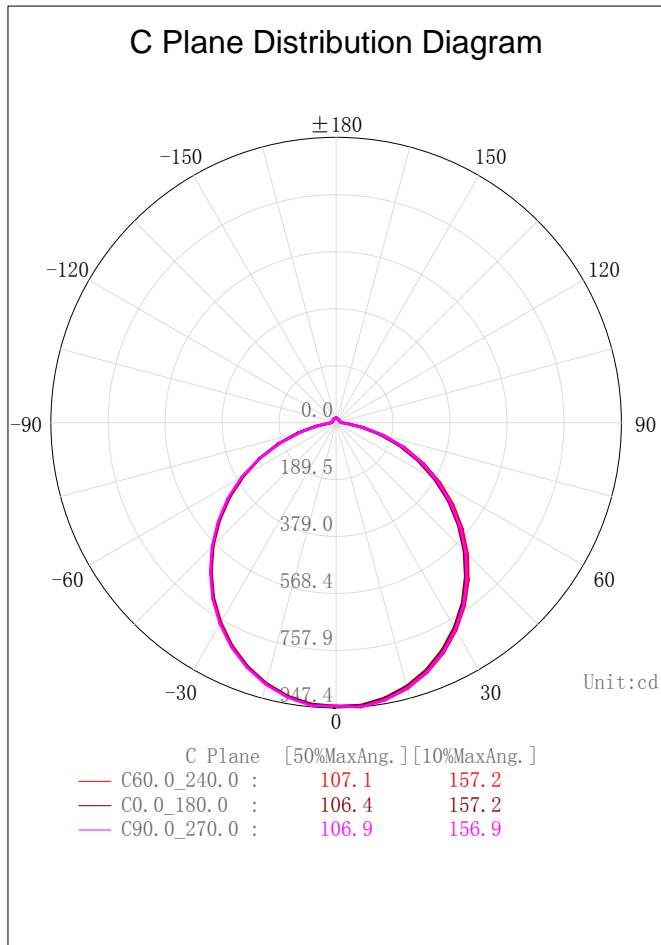
Indoor Luminaire Photometric Data

Description Information

| | | | |
|--|-------------------------|----------------------|-----------------------|
| Luminaire Name: 24W Downlight 3000K | | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | | Lamp Catalog: 灯具 | Test Date: 2017/02/15 |
| Manufacture: 诺明光电 | | Shld. Ang(°): | Test Machine:GON-2000 |
| Test Lab: 诺明实验室 | | Frequency (Hz): | Lamp CCT(K): Ra: |
| Lum. Size (W*L*H):0.000m*0.000m*0.000m | | Lum. Area (m2):0.000 | Lum. W(kg): 0.000 |
| Test System: C, γ | Test Step: C=30.0 γ=5.0 | Temp. (°C): 25 | Humidity(%): 50.0 |

Character Parameter

| Lamp Speciality Parameter | | Luminaire Speciality Parameter | |
|---|---------------------------------|--|--|
| Rated Flux(lm): 2500.000 | Luminaire Flux(lm): 2573.959 | Field Angle(10%Imax): 157.2(°) | |
| Rated Power(W): | Luminaire Efficiency: 102.96% | Down Lumens&Percent: 2490.095lm 96.74% | |
| Rated Voltage(V): | Luminaire EER(lm/W): 101.778 | Up Lumens&Percent: 83.864lm 3.26% | |
| Tested Power(W): 25.290 | Max. Candela(cd): 947.402 | S/MH: C0_a180=1.229 C90_270=1.235 | |
| Lamps' Inside: 1 | Max Cand@Ang. (°): C=60.0 γ=5.0 | CIE Type: Semi-Direct | |
| Tested Electrics (V, A, pf):220.0, 0.122, 0.935 | Beam Angle(50%Imax): 107.1(°) | ErP φ use(120°): 2021.915lm | |
| Lamp Size (W*L*H):0.000m*0.000m*0.000m | Left=-52.0°, Right=55.0° | IRF(%): 114.777 | |



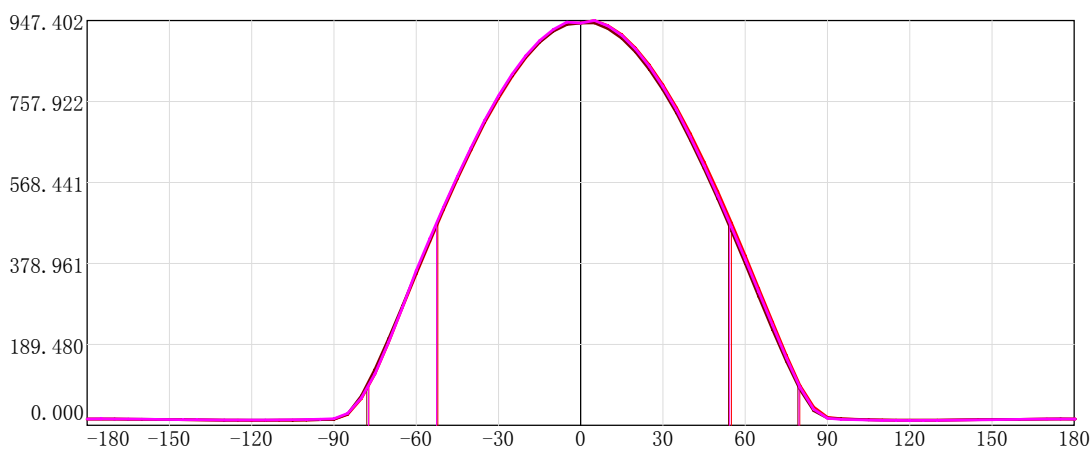
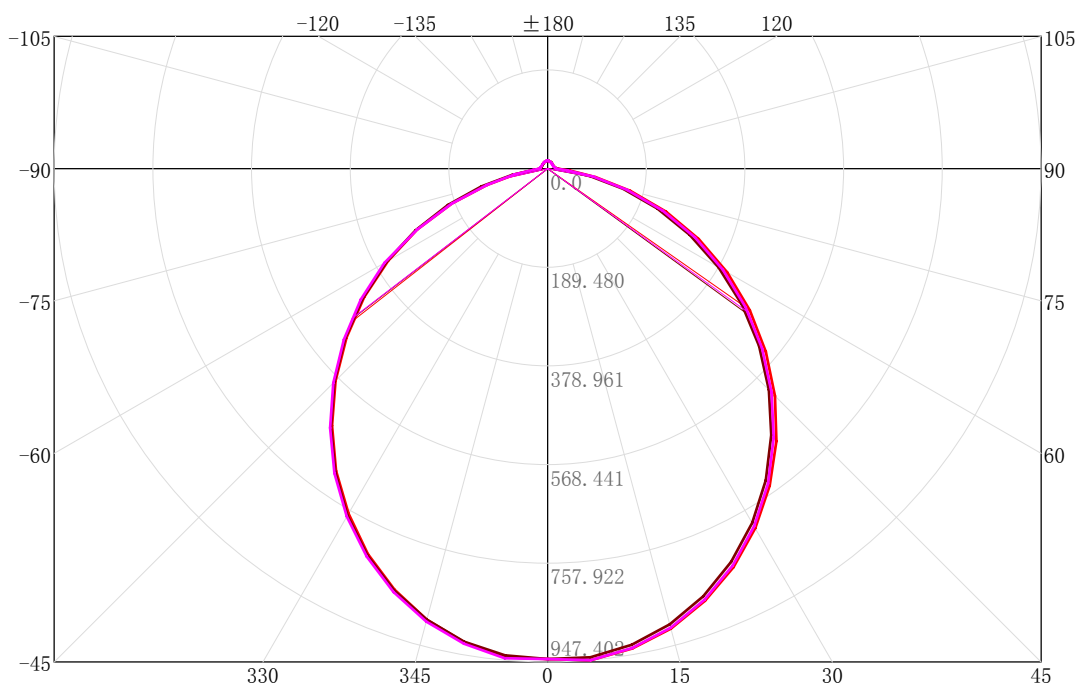
IES Indoor Report

Photometric Filename:24W Downlight 3000K.IES

2D Plane Light Intensity Distribution Curve

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

C Plane Distribution Diagram

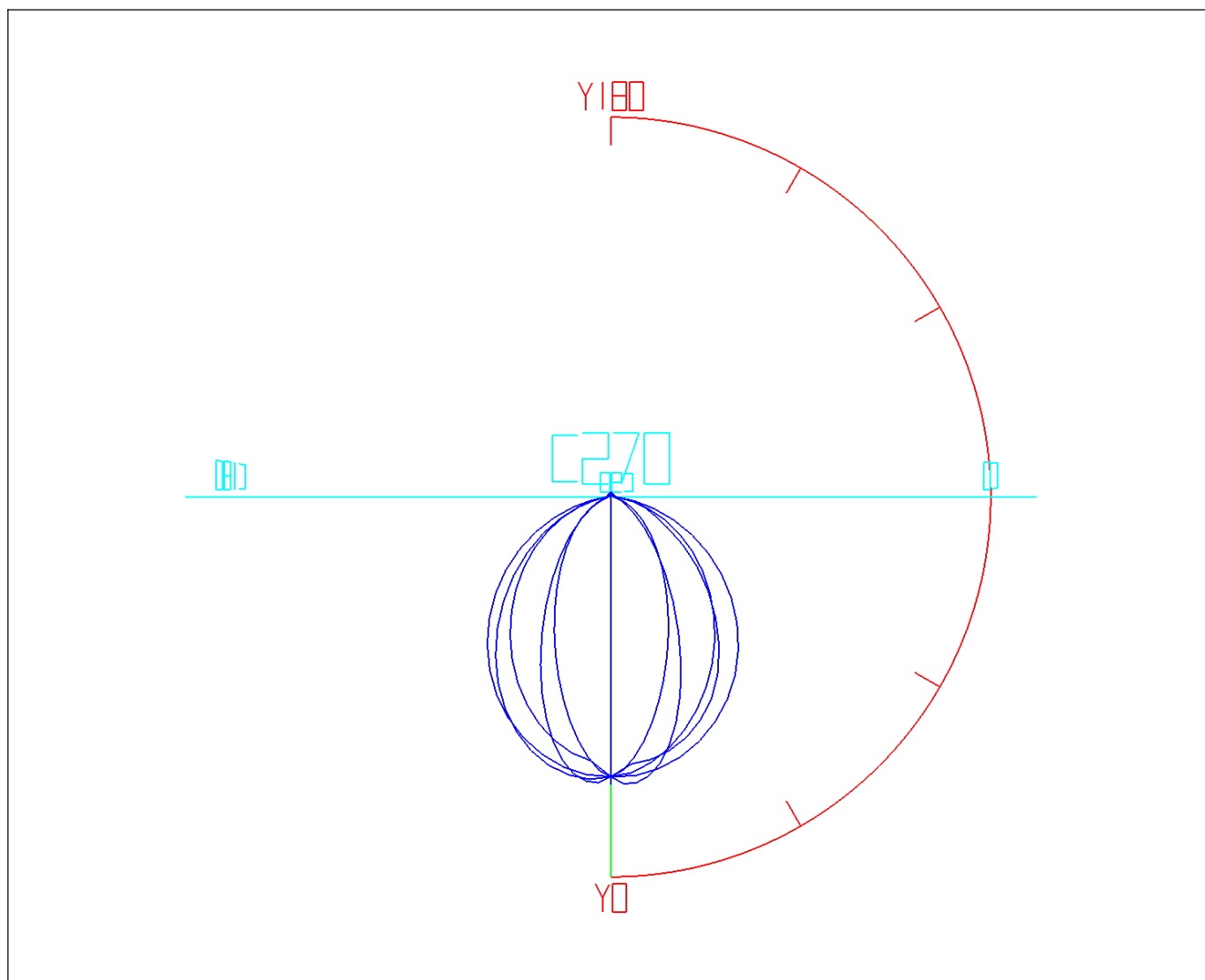


| C Plane | [50%MaxAng.] | [10%MaxAng.] | Unit:cd |
|-------------|--------------|--------------|---------|
| C60.0_240.0 | : 107.1 | 157.2 | |
| C0.0_180.0 | : 106.4 | 157.2 | |
| C90.0_270.0 | : 106.9 | 156.9 | |

3D Light Intensity Distribution Modal

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

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:24W Downlight 3000K.IES

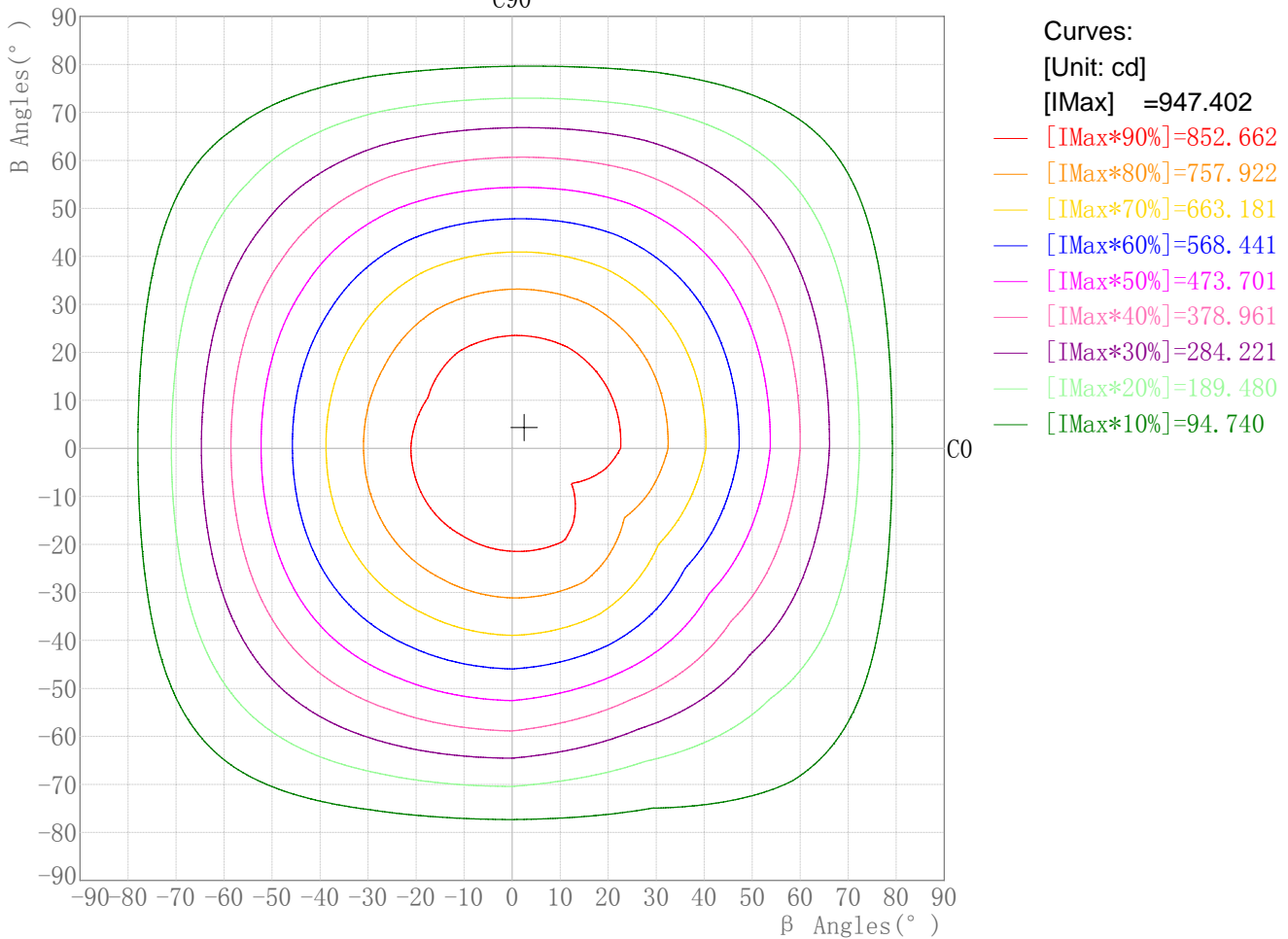
Zonal Flux Tabulation

| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|------------------|-------------------|-------------------|-----------|-----------|
| 0.0-5.0 | 22.44 | 22.44 | 0.90 | 0.90 |
| 5.0-10.0 | 66.45 | 88.89 | 2.66 | 3.56 |
| 10.0-15.0 | 107.94 | 196.84 | 4.32 | 7.87 |
| 15.0-20.0 | 145.34 | 342.18 | 5.81 | 13.69 |
| 20.0-25.0 | 177.22 | 519.40 | 7.09 | 20.78 |
| 25.0-30.0 | 202.42 | 721.82 | 8.10 | 28.87 |
| 30.0-35.0 | 220.03 | 941.85 | 8.80 | 37.67 |
| 35.0-40.0 | 229.31 | 1171.16 | 9.17 | 46.85 |
| 40.0-45.0 | 230.03 | 1401.19 | 9.20 | 56.05 |
| 45.0-50.0 | 222.63 | 1623.82 | 8.91 | 64.95 |
| 50.0-55.0 | 207.56 | 1831.38 | 8.30 | 73.26 |
| 55.0-60.0 | 185.42 | 2016.79 | 7.42 | 80.67 |
| 60.0-65.0 | 157.15 | 2173.94 | 6.29 | 86.96 |
| 65.0-70.0 | 124.55 | 2298.49 | 4.98 | 91.94 |
| 70.0-75.0 | 90.30 | 2388.79 | 3.61 | 95.55 |
| 75.0-80.0 | 57.53 | 2446.32 | 2.30 | 97.85 |
| 80.0-85.0 | 30.09 | 2476.41 | 1.20 | 99.06 |
| 85.0-90.0 | 13.69 | 2490.10 | 0.55 | 99.60 |
| 90.0-95.0 | 8.65 | 2498.74 | 0.35 | 99.95 |
| 95.0-100.0 | 7.78 | 2506.53 | 0.31 | 100.26 |
| 100.0-105.0 | 7.16 | 2513.68 | 0.29 | 100.55 |
| 105.0-110.0 | 6.69 | 2520.38 | 0.27 | 100.82 |
| 110.0-115.0 | 6.32 | 2526.69 | 0.25 | 101.07 |
| 115.0-120.0 | 5.98 | 2532.67 | 0.24 | 101.31 |
| 120.0-125.0 | 5.68 | 2538.36 | 0.23 | 101.53 |
| 125.0-130.0 | 5.39 | 2543.75 | 0.22 | 101.75 |
| 130.0-135.0 | 5.08 | 2548.83 | 0.20 | 101.95 |
| 135.0-140.0 | 4.75 | 2553.58 | 0.19 | 102.14 |
| 140.0-145.0 | 4.38 | 2557.97 | 0.18 | 102.32 |
| 145.0-150.0 | 3.97 | 2561.93 | 0.16 | 102.48 |
| 150.0-155.0 | 3.49 | 2565.42 | 0.14 | 102.62 |
| 155.0-160.0 | 2.97 | 2568.39 | 0.12 | 102.74 |
| 160.0-165.0 | 2.38 | 2570.78 | 0.10 | 102.83 |
| 165.0-170.0 | 1.75 | 2572.53 | 0.07 | 102.90 |
| 170.0-175.0 | 1.07 | 2573.60 | 0.04 | 102.94 |
| 175.0-180.0 | 0.36 | 2573.96 | 0.01 | 102.96 |

Rectangle ISO Lighting Intensity Diagram

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

ISO Lighting Intensity Curve
 C90

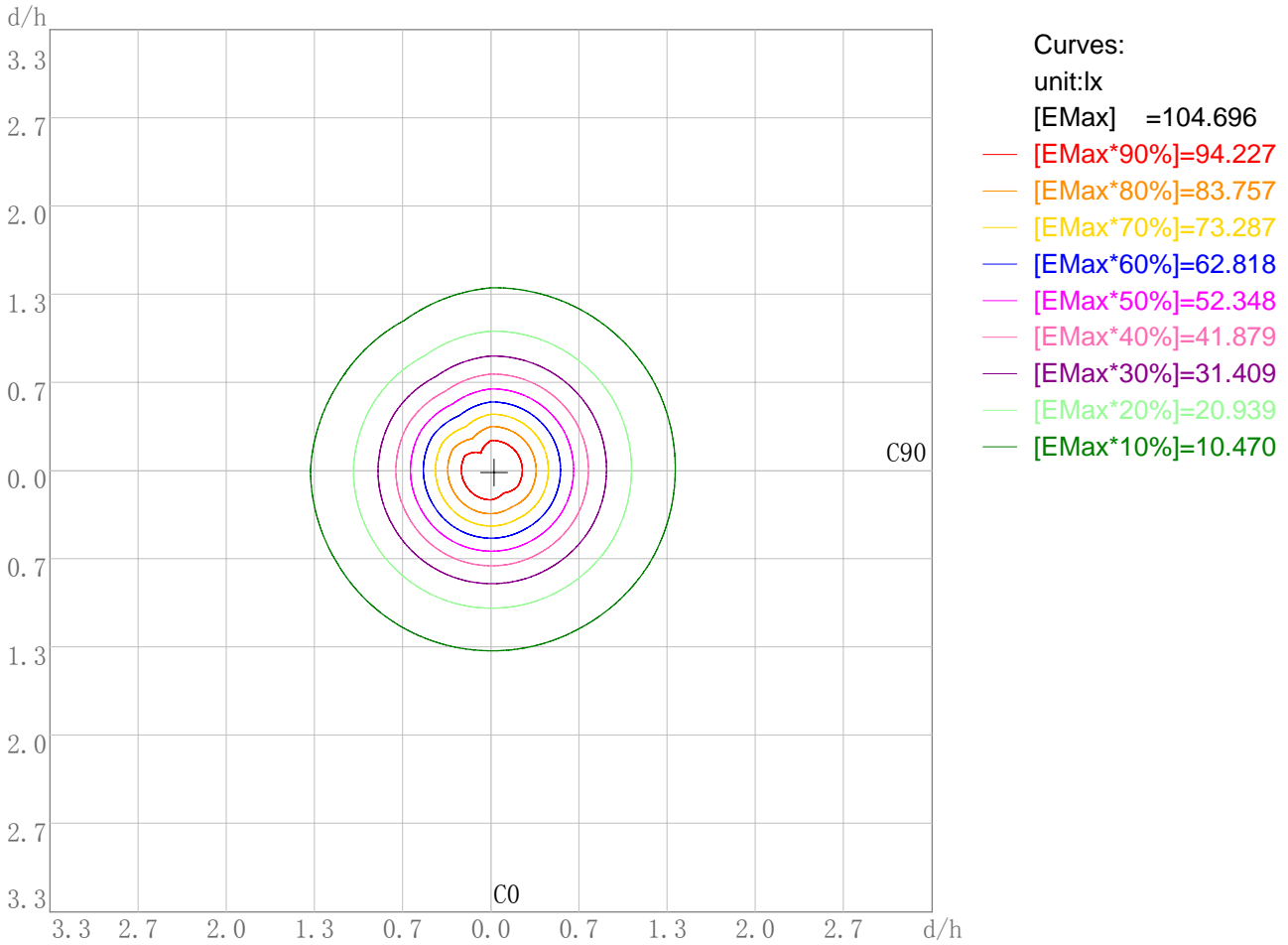


Maximum Light Intensity(cd): 947.40
 Maximum Cand.@Angle: H=2.5°,V=4.3°

Plane ISO-Illuminance Diagram

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

Plane ISO-Illuminance Curve

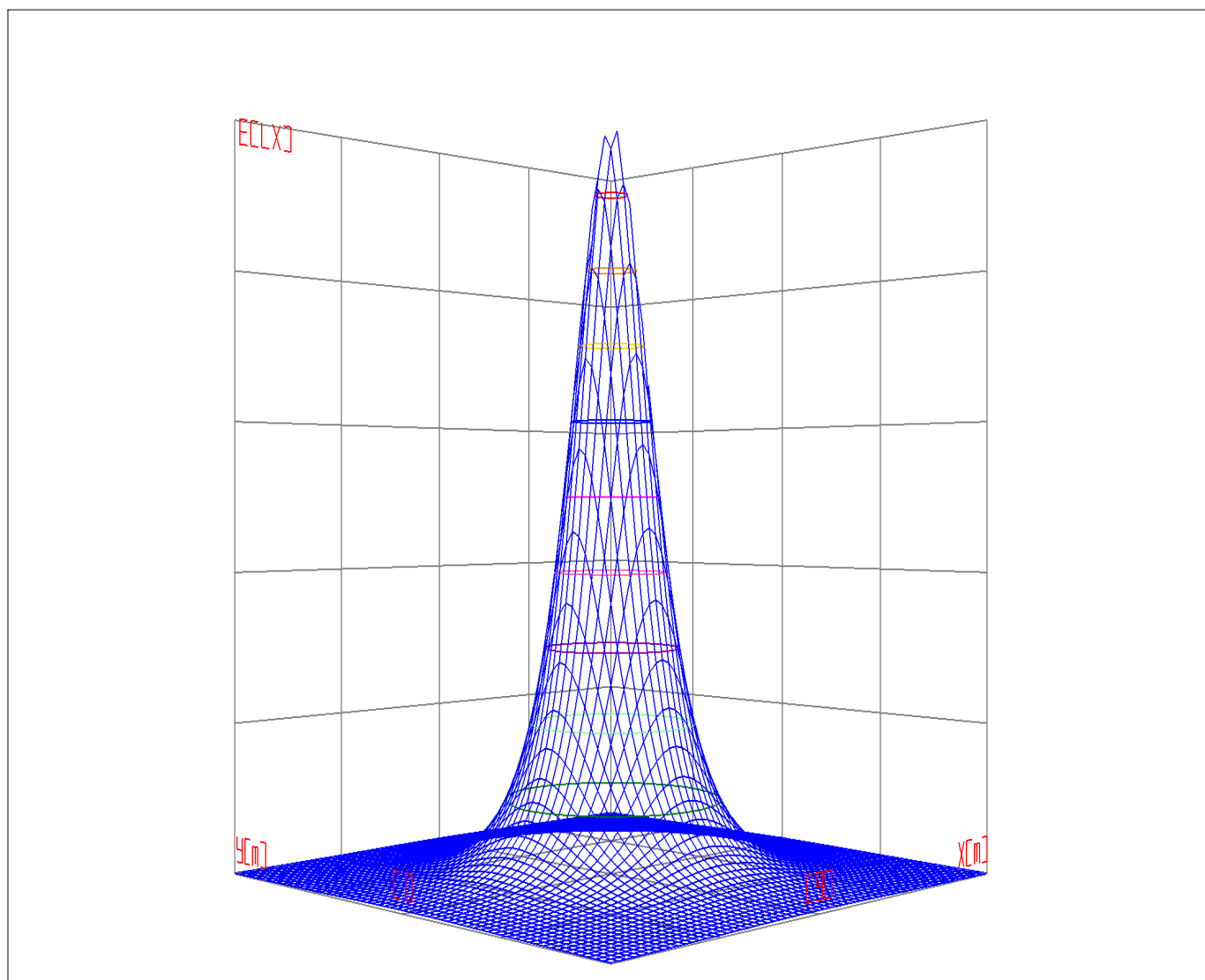


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 104.70
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

3D Plane Illuminance Modal

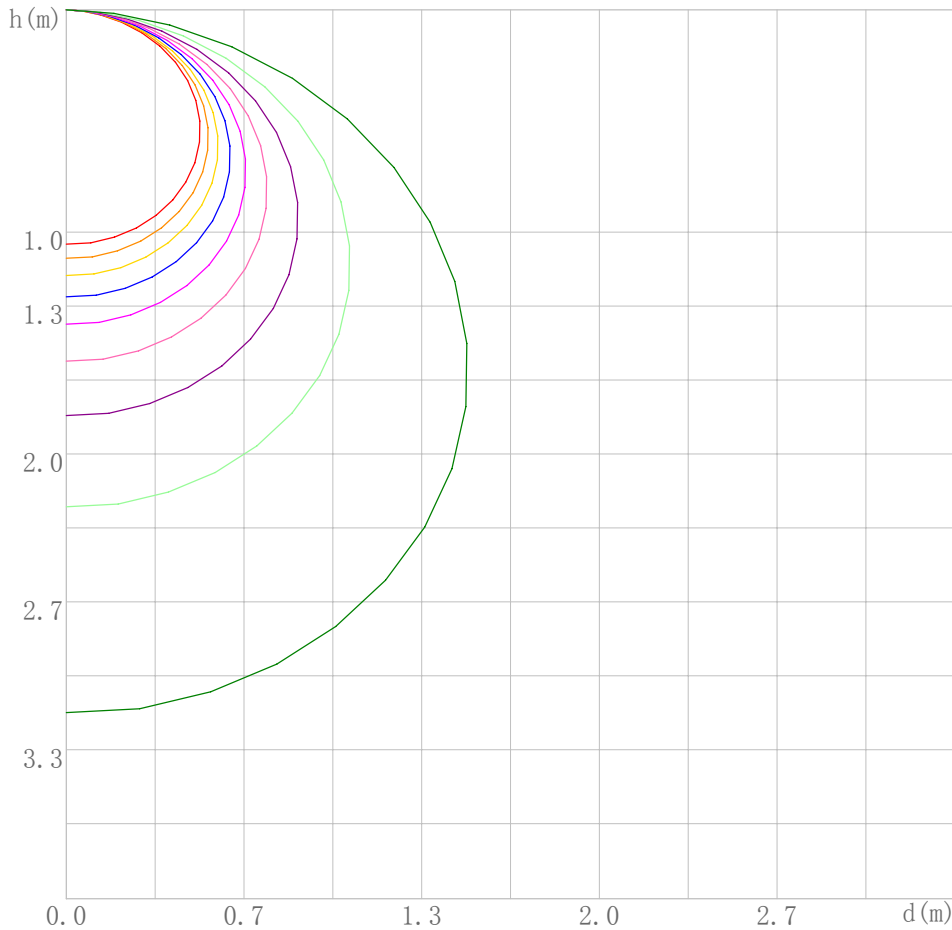


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

Space ISO Illuminance Curve



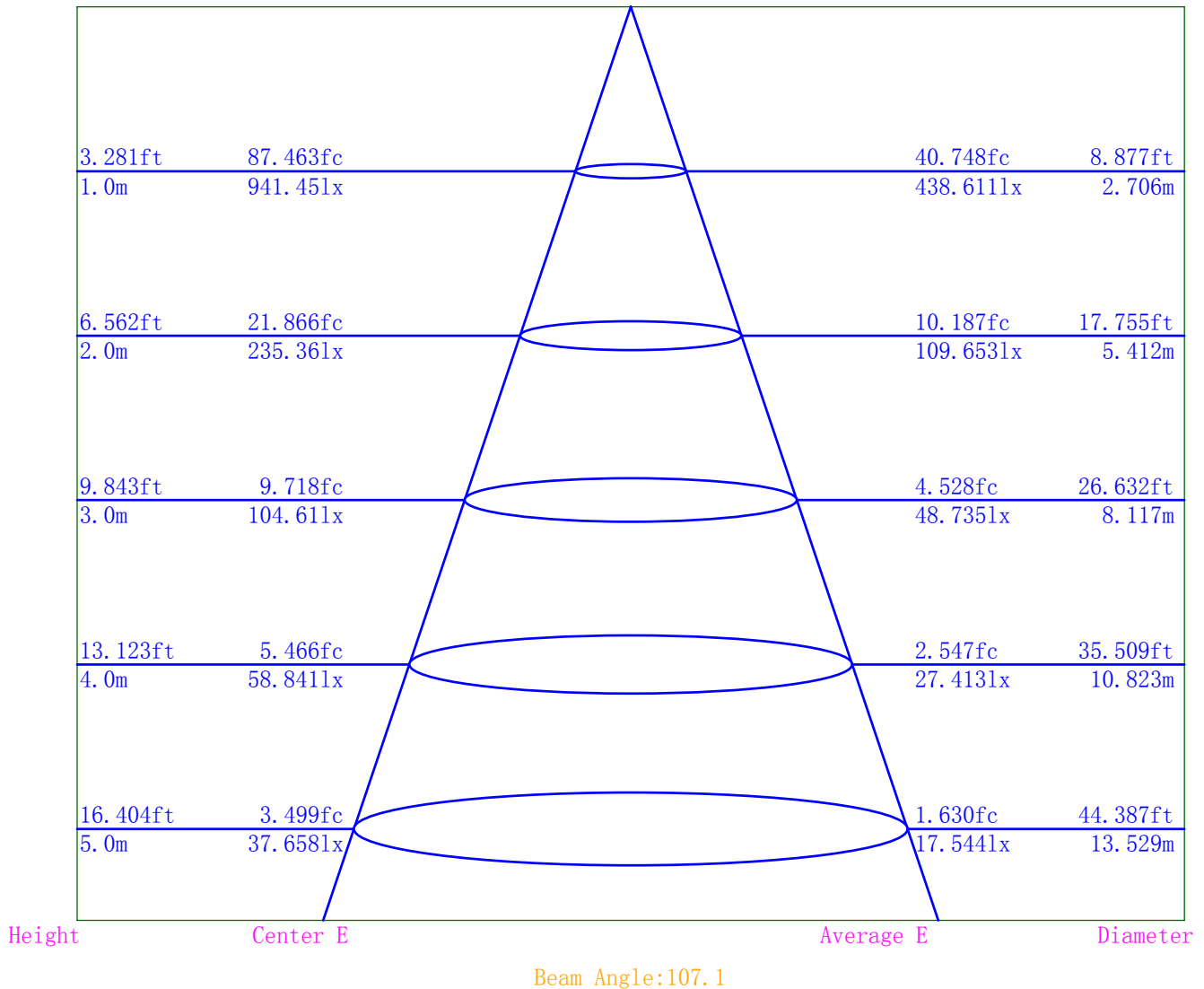
- Curves:
 [Unit: lx]
 [EMax] =941.450
- [EMax*90%]=847.305
 - [EMax*80%]=753.160
 - [EMax*70%]=659.015
 - [EMax*60%]=564.870
 - [EMax*50%]=470.725
 - [EMax*40%]=376.580
 - [EMax*30%]=282.435
 - [EMax*20%]=188.290
 - [EMax*10%]=94.145

Space Plane Maximum Illuminance and @Angle:941.45lx,0.0deg
 Plane Maximum Lighting Intensity and @Angle:941.781cd,0deg

Illuminance-Distance Diagram

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

Illuminance-Distance Curve



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Indoor Luminance Limiting Curves

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

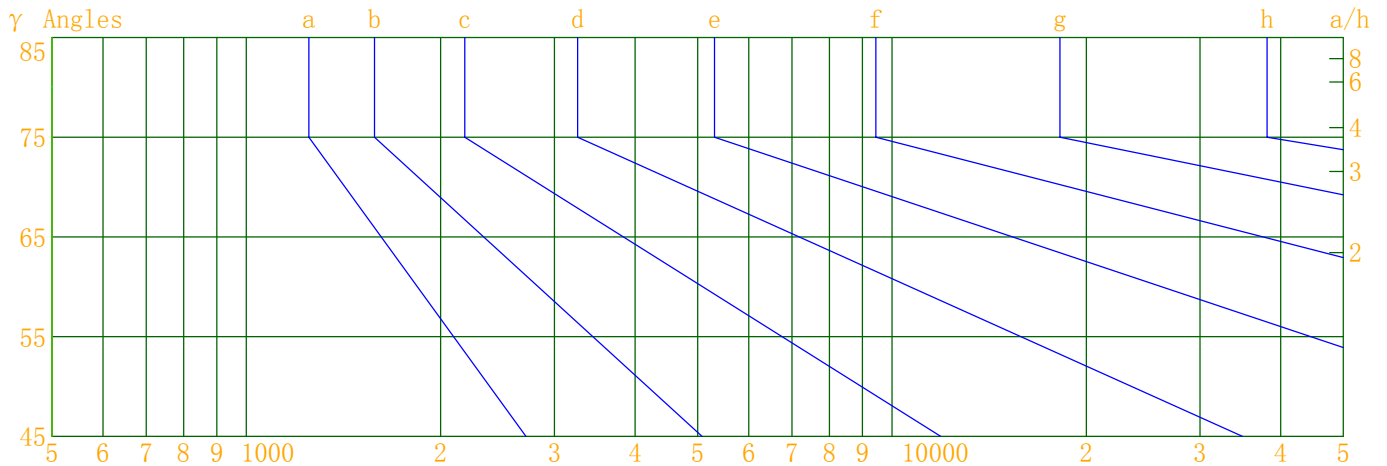
Glare Grade Table

| GI | Quality | Using Illuminance | | | | | | | |
|------|---------|-------------------|------|------|-------|-------|-------|-------|-------|
| | | a | b | c | d | e | f | g | h |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

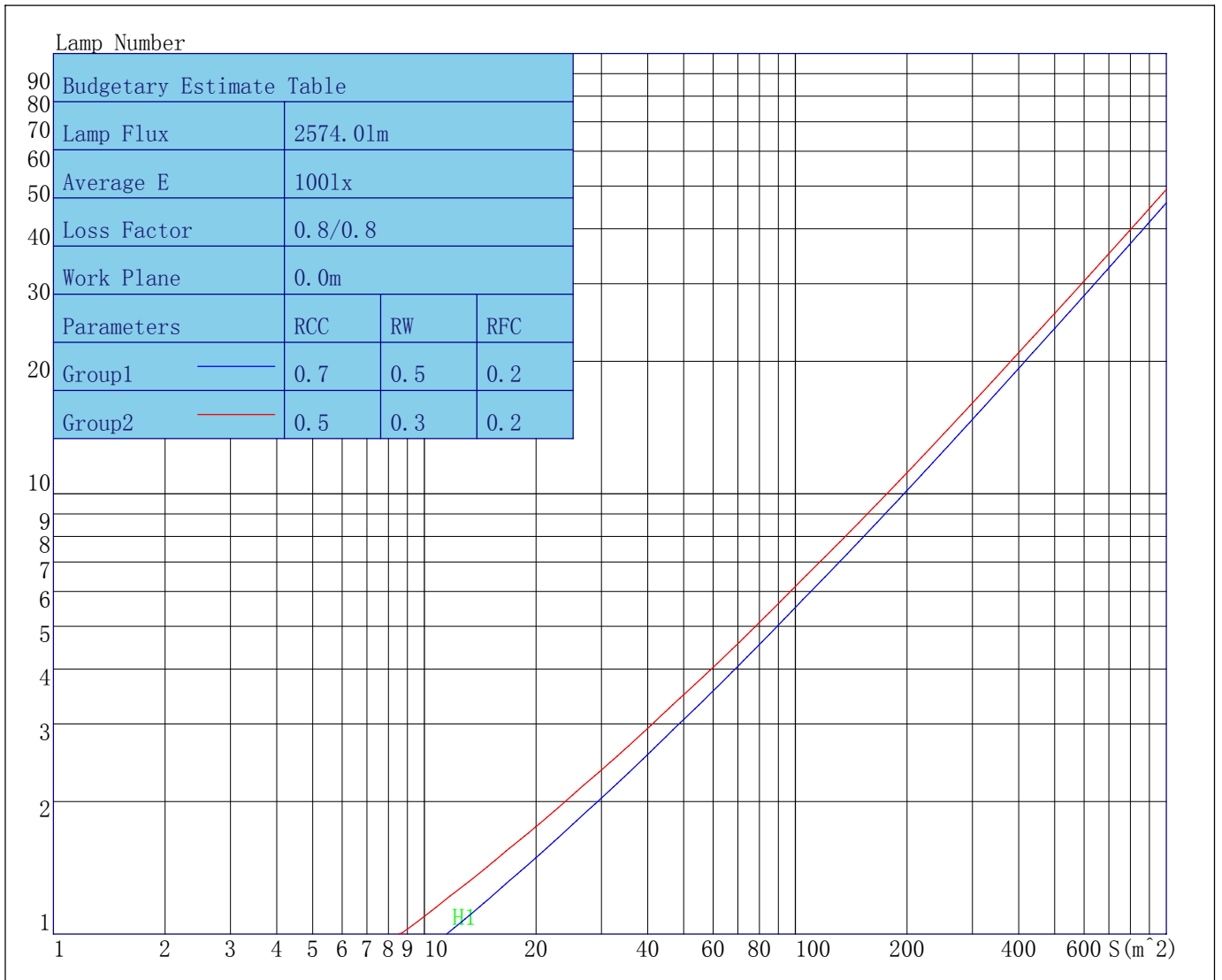
Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m²)=0.000000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |



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

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Indoor Coefficient of Utilization Table

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

| 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 | 122 | 122 | 122 | 122 | 119 | 119 | 119 | 119 | 113 | 113 | 113 | 107 | 107 | 107 | 102 | 102 | 102 | 100 |
| 1 | 112 | 107 | 103 | 99 | 108 | 104 | 100 | 97 | 99 | 96 | 93 | 95 | 92 | 90 | 90 | 88 | 86 | 84 |
| 2 | 102 | 93 | 87 | 81 | 99 | 91 | 85 | 80 | 87 | 82 | 77 | 83 | 79 | 75 | 80 | 76 | 73 | 71 |
| 3 | 93 | 82 | 74 | 68 | 90 | 80 | 73 | 67 | 77 | 70 | 65 | 74 | 68 | 64 | 71 | 66 | 62 | 60 |
| 4 | 85 | 73 | 64 | 57 | 83 | 71 | 63 | 57 | 68 | 61 | 56 | 66 | 60 | 55 | 63 | 58 | 54 | 51 |
| 5 | 78 | 65 | 56 | 50 | 76 | 64 | 56 | 49 | 62 | 54 | 48 | 59 | 53 | 48 | 57 | 51 | 47 | 44 |
| 6 | 72 | 59 | 50 | 43 | 70 | 58 | 49 | 43 | 56 | 48 | 42 | 54 | 47 | 42 | 52 | 46 | 41 | 39 |
| 7 | 67 | 53 | 45 | 38 | 65 | 53 | 44 | 38 | 51 | 43 | 38 | 49 | 42 | 37 | 47 | 41 | 37 | 35 |
| 8 | 63 | 49 | 40 | 34 | 61 | 48 | 40 | 34 | 46 | 39 | 34 | 45 | 38 | 33 | 43 | 37 | 33 | 31 |
| 9 | 58 | 45 | 37 | 31 | 57 | 44 | 36 | 31 | 43 | 35 | 30 | 41 | 35 | 30 | 40 | 34 | 30 | 28 |
| 10 | 55 | 41 | 33 | 28 | 53 | 41 | 33 | 28 | 40 | 32 | 28 | 38 | 32 | 27 | 37 | 31 | 27 | 25 |

IES Indoor Report
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Unified Glare Rating Table

| | | |
|--------------------------------|-----------------------|-----------------------|
| Lum. Name: 24W Downlight 3000K | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: 灯具 | Test Lab: 诺明实验室 |
| Manufacture: 诺明光电 | Test Machine:GON-2000 | Test Date: 2017/02/15 |

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 | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H Y=2H | 1.4 | 2.9 | 1.8 | 3.3 | 3.7 | 1.4 | 2.9 | 1.8 | 3.3 | 3.7 |
| Y=3H | 1.2 | 2.7 | 1.7 | 3.0 | 3.5 | 1.2 | 2.7 | 1.7 | 3.0 | 3.5 |
| Y=4H | 1.2 | 2.5 | 1.6 | 2.9 | 3.4 | 1.2 | 2.5 | 1.6 | 2.9 | 3.4 |
| Y=6H | 1.1 | 2.3 | 1.6 | 2.8 | 3.2 | 1.1 | 2.3 | 1.6 | 2.8 | 3.2 |
| Y=8H | 1.1 | 2.2 | 1.6 | 2.7 | 3.2 | 1.1 | 2.2 | 1.6 | 2.7 | 3.2 |
| Y=12H | 1.0 | 2.2 | 1.5 | 2.6 | 3.1 | 1.0 | 2.2 | 1.5 | 2.6 | 3.1 |
| X=4H Y=2H | 1.2 | 2.5 | 1.6 | 2.9 | 3.4 | 1.2 | 2.5 | 1.6 | 2.9 | 3.4 |
| Y=3H | 1.1 | 2.2 | 1.5 | 2.6 | 3.1 | 1.1 | 2.2 | 1.5 | 2.6 | 3.1 |
| Y=4H | 1.0 | 2.0 | 1.5 | 2.5 | 3.0 | 1.0 | 2.0 | 1.5 | 2.5 | 3.0 |
| Y=6H | 0.9 | 1.8 | 1.4 | 2.3 | 2.8 | 0.9 | 1.8 | 1.4 | 2.3 | 2.8 |
| Y=8H | 0.9 | 1.7 | 1.4 | 2.2 | 2.7 | 0.9 | 1.7 | 1.4 | 2.2 | 2.7 |
| Y=12H | 0.8 | 1.6 | 1.4 | 2.1 | 2.7 | 0.8 | 1.6 | 1.4 | 2.1 | 2.7 |
| X=8H Y=4H | 0.9 | 1.7 | 1.4 | 2.2 | 2.7 | 0.9 | 1.7 | 1.4 | 2.2 | 2.7 |
| Y=6H | 0.8 | 1.5 | 1.3 | 2.0 | 2.7 | 0.8 | 1.5 | 1.3 | 2.0 | 2.7 |
| Y=8H | 0.7 | 1.4 | 1.3 | 1.9 | 2.5 | 0.7 | 1.4 | 1.3 | 1.9 | 2.5 |
| Y=12H | 0.7 | 1.3 | 1.3 | 1.8 | 2.5 | 0.7 | 1.3 | 1.3 | 1.8 | 2.5 |
| X=12H Y=4H | 0.8 | 1.6 | 1.4 | 2.1 | 2.7 | 0.8 | 1.6 | 1.4 | 2.1 | 2.7 |
| Y=6H | 0.8 | 1.4 | 1.3 | 1.9 | 2.5 | 0.8 | 1.4 | 1.3 | 1.9 | 2.5 |
| Y=8H | 0.7 | 1.3 | 1.3 | 1.8 | 2.5 | 0.7 | 1.3 | 1.3 | 1.8 | 2.5 |
| Variations with the observer position at spacings | | | | | | | | | | |
| S=1.0H | 0.0/0.0 | | | | | 0.0/0.0 | | | | |
| S=1.5H | 0.0/0.0 | | | | | 0.0/0.0 | | | | |
| S=2.0H | 0.0/0.0 | | | | | 0.0/0.0 | | | | |
| Reduced UGR Table: | | | | | | | | | | |
| Nordic Standard Table: | BKO | | | | | BKO | | | | |
| Correction Value | 0.0 | | | | | 0.0 | | | | |

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

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Candela Tabulation

| V/H | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 | C300.0 | C330.0 |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| γ 0.0 | 941.45 | 941.45 | 941.45 | 941.45 | 941.45 | 941.45 | 941.45 | 941.45 | 941.45 | 941.45 | 941.45 | 941.45 |
| γ 5.0 | 941.78 | 945.22 | 947.40 | 947.31 | 946.70 | 903.92 | 938.19 | 940.36 | 941.42 | 943.50 | 944.64 | 890.39 |
| γ 10.0 | 928.28 | 932.69 | 935.36 | 934.58 | 932.82 | 898.86 | 922.47 | 922.86 | 923.15 | 926.27 | 929.25 | 873.28 |
| γ 15.0 | 905.73 | 910.92 | 914.30 | 912.52 | 909.03 | 881.86 | 896.48 | 896.49 | 896.53 | 900.26 | 904.08 | 848.51 |
| γ 20.0 | 873.73 | 879.28 | 882.99 | 880.52 | 876.67 | 855.57 | 862.00 | 861.12 | 860.07 | 865.01 | 870.18 | 818.19 |
| γ 25.0 | 833.01 | 839.45 | 844.15 | 840.76 | 835.29 | 818.11 | 819.11 | 817.57 | 816.52 | 822.00 | 826.42 | 778.87 |
| γ 30.0 | 785.16 | 791.85 | 796.91 | 792.56 | 786.96 | 772.02 | 768.83 | 766.87 | 764.64 | 771.08 | 773.75 | 732.73 |
| γ 35.0 | 730.03 | 737.55 | 743.10 | 737.74 | 731.68 | 716.73 | 711.08 | 709.88 | 708.14 | 713.86 | 712.24 | 675.22 |
| γ 40.0 | 667.68 | 676.66 | 683.00 | 675.16 | 670.30 | 654.17 | 647.23 | 646.05 | 643.84 | 649.67 | 642.09 | 609.55 |
| γ 45.0 | 600.64 | 609.90 | 617.22 | 608.07 | 602.96 | 586.05 | 579.22 | 578.41 | 575.91 | 581.86 | 565.14 | 537.42 |
| γ 50.0 | 529.75 | 539.09 | 546.95 | 537.49 | 532.43 | 514.40 | 507.70 | 507.05 | 504.01 | 510.73 | 484.77 | 463.89 |
| γ 55.0 | 455.36 | 465.03 | 473.98 | 464.18 | 458.67 | 438.69 | 433.18 | 432.58 | 429.80 | 437.85 | 400.51 | 386.89 |
| γ 60.0 | 378.93 | 387.54 | 397.63 | 388.64 | 382.20 | 360.60 | 357.03 | 355.30 | 353.38 | 361.57 | 317.02 | 309.28 |
| γ 65.0 | 301.12 | 308.70 | 319.95 | 312.07 | 304.47 | 281.58 | 279.89 | 277.61 | 276.47 | 276.22 | 237.23 | 232.84 |
| γ 70.0 | 224.10 | 230.03 | 242.00 | 234.58 | 227.37 | 203.64 | 203.65 | 200.72 | 195.17 | 195.75 | 162.77 | 174.59 |
| γ 75.0 | 150.15 | 154.27 | 164.46 | 157.97 | 150.16 | 129.76 | 131.60 | 128.07 | 120.64 | 120.93 | 107.48 | 135.71 |
| γ 80.0 | 84.08 | 86.61 | 93.70 | 89.36 | 82.90 | 67.47 | 69.23 | 66.71 | 62.58 | 64.53 | 73.83 | 88.05 |
| γ 85.0 | 34.56 | 37.42 | 43.00 | 37.81 | 37.22 | 27.89 | 26.48 | 27.37 | 25.41 | 28.19 | 34.40 | 39.98 |
| γ 90.0 | 17.11 | 16.58 | 19.04 | 16.86 | 18.66 | 16.30 | 14.37 | 15.92 | 14.24 | 15.78 | 16.51 | 18.72 |
| γ 95.0 | 15.26 | 14.31 | 15.85 | 14.36 | 16.56 | 15.04 | 13.48 | 14.61 | 13.36 | 14.56 | 15.15 | 16.28 |
| γ 100.0 | 14.12 | 13.31 | 14.43 | 13.32 | 14.24 | 13.07 | 12.84 | 13.76 | 12.80 | 13.82 | 14.02 | 15.21 |
| γ 105.0 | 13.28 | 12.60 | 13.50 | 12.58 | 13.20 | 12.04 | 12.45 | 13.22 | 12.43 | 13.33 | 13.08 | 14.40 |
| γ 110.0 | 12.72 | 12.18 | 12.86 | 12.09 | 12.59 | 11.57 | 12.28 | 12.93 | 12.25 | 13.03 | 12.64 | 13.96 |
| γ 115.0 | 12.40 | 11.84 | 12.48 | 11.81 | 12.24 | 11.26 | 12.20 | 12.74 | 12.15 | 12.84 | 12.50 | 13.71 |
| γ 120.0 | 12.27 | 11.76 | 12.31 | 11.77 | 12.16 | 11.21 | 12.18 | 12.64 | 12.15 | 12.73 | 12.49 | 13.51 |
| γ 125.0 | 12.30 | 11.97 | 12.36 | 11.86 | 12.24 | 11.38 | 12.25 | 12.66 | 12.23 | 12.75 | 12.55 | 13.23 |
| γ 130.0 | 12.47 | 12.15 | 12.50 | 12.10 | 12.37 | 11.58 | 12.45 | 12.79 | 12.43 | 12.87 | 12.73 | 13.17 |
| γ 135.0 | 12.72 | 12.45 | 12.73 | 12.31 | 12.65 | 11.84 | 12.73 | 13.02 | 12.70 | 13.09 | 12.98 | 13.06 |
| γ 140.0 | 13.01 | 12.77 | 13.08 | 12.70 | 13.00 | 12.14 | 13.05 | 13.31 | 13.03 | 13.35 | 13.28 | 13.10 |
| γ 145.0 | 13.34 | 13.14 | 13.38 | 13.04 | 13.32 | 12.48 | 13.37 | 13.60 | 13.37 | 13.66 | 13.61 | 13.25 |
| γ 150.0 | 13.70 | 13.51 | 13.64 | 13.43 | 13.66 | 12.85 | 13.74 | 13.93 | 13.73 | 13.98 | 13.94 | 13.45 |
| γ 155.0 | 14.07 | 13.87 | 13.99 | 13.83 | 14.02 | 13.23 | 14.09 | 14.26 | 14.08 | 14.28 | 14.25 | 13.70 |
| γ 160.0 | 14.41 | 14.20 | 14.35 | 14.21 | 14.39 | 13.60 | 14.44 | 14.58 | 14.40 | 14.59 | 14.58 | 13.97 |
| γ 165.0 | 14.73 | 14.55 | 14.68 | 14.59 | 14.67 | 13.94 | 14.73 | 14.84 | 14.70 | 14.87 | 14.89 | 14.23 |
| γ 170.0 | 15.00 | 14.83 | 14.97 | 14.96 | 15.11 | 14.21 | 14.98 | 15.05 | 14.94 | 15.11 | 15.14 | 14.44 |
| γ 175.0 | 15.19 | 15.00 | 15.15 | 15.15 | 15.30 | 14.42 | 15.15 | 15.18 | 15.08 | 15.27 | 15.30 | 14.57 |
| γ 180.0 | 15.15 | 15.15 | 15.15 | 15.15 | 15.15 | 15.15 | 15.15 | 15.15 | 15.15 | 15.15 | 15.15 | 15.15 |