

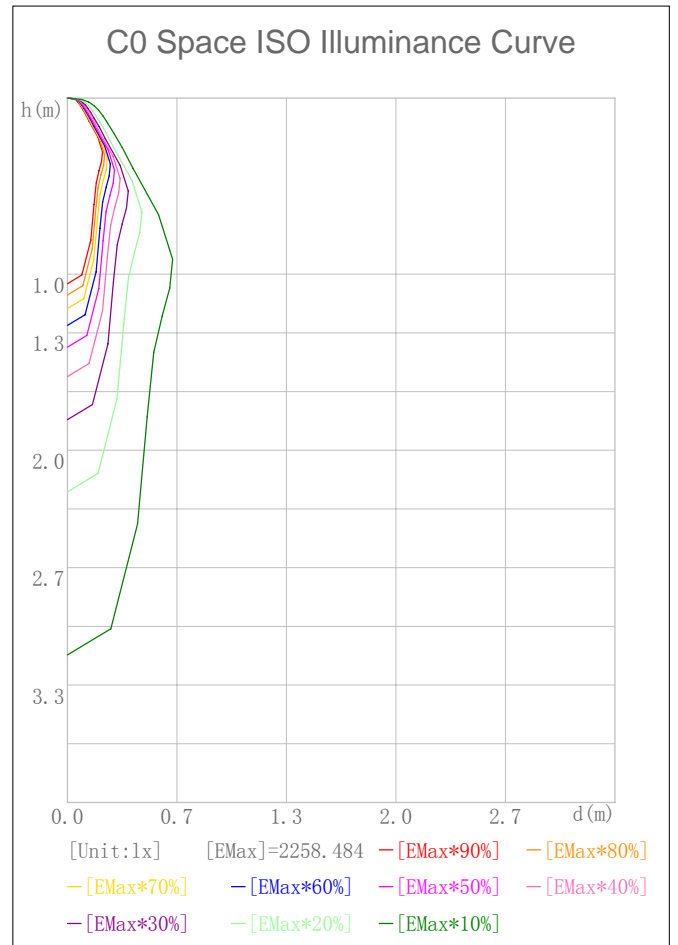
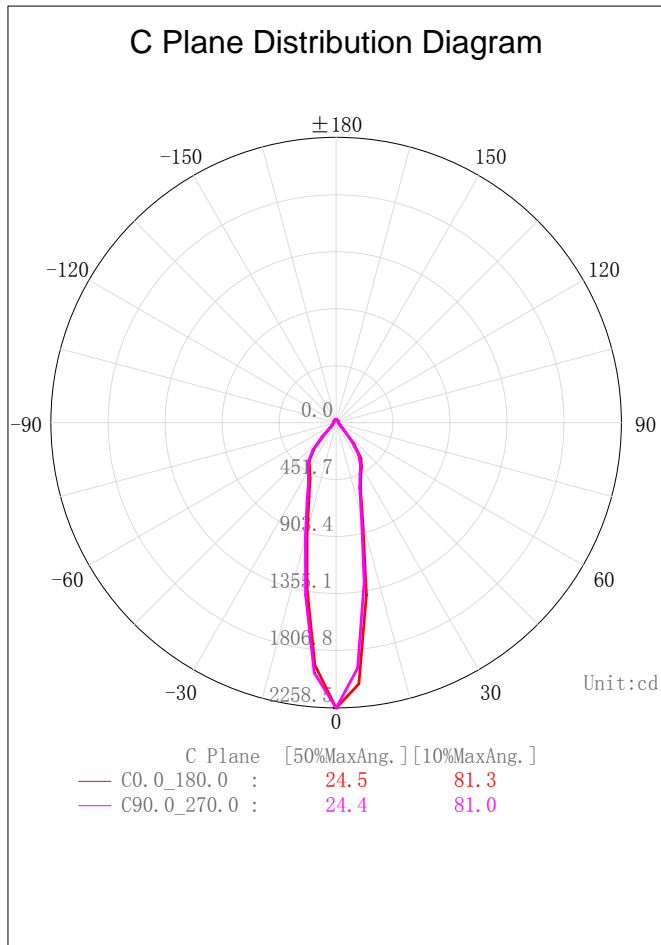
**Indoor Luminaire Photometric Data**

**Description Information**

|   |                         |                                  |                       |
|---|-------------------------|----------------------------------|-----------------------|
| Luminary Name: DC13W-3000K, Ra90, Reflector 24° |                         | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                             |                         | Lamp Catalog: lamps and lanterns | Test Date: 2017/06/14 |
| LED Chip: Citizen CLU028-1203C4-30XH5M3         |                         | Shld. Ang(°):                    | Test Machine:GON-2000 |
| Test Lab:                                       | Frequency (Hz):         | Lamp CCT:3000K                   | Ra90                  |
| 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=90.0 γ=5.0 | Temp. (°C): 25                   | Humidity(%): 50.0     |

**Character Parameter**

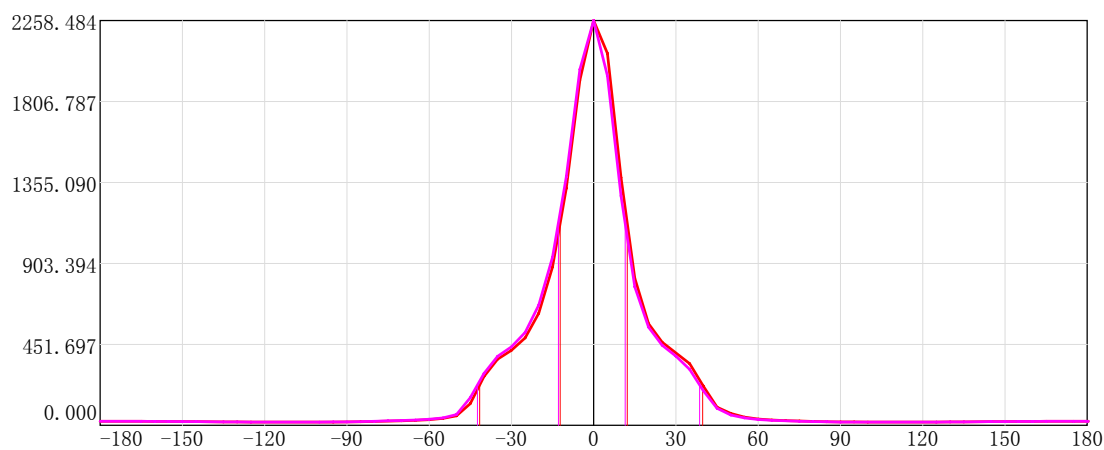
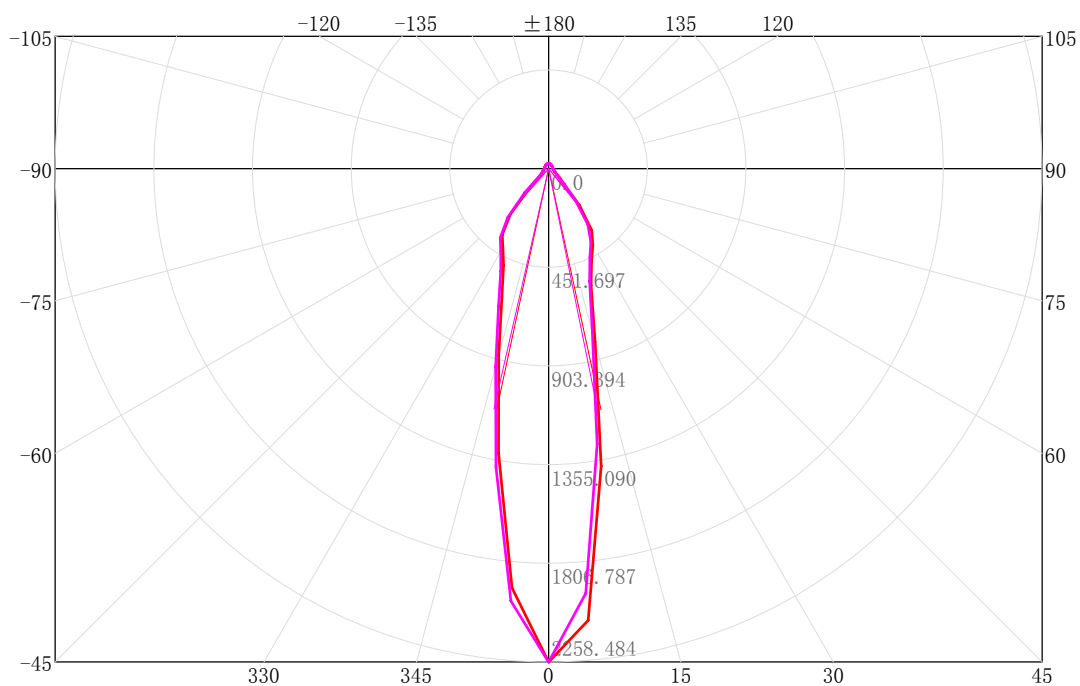
| Lamp Speciality Parameter                       |                                | Luminaire Speciality Parameter         |  |
|---|--------------------------------|--|--|
| Rated Flux(lm): 1186.000                        | Luminary Flux(lm): 1204.020    | Field Angle(10%Imax): 81.3(°)          |  |
| Rated Power(W): 13W                             | Luminary Efficiency: 101.52%   | Down Lumens&Percent: 1080.383lm 89.73% |  |
| Rated Voltage(V): 36V 350mA                     | Luminary EER(lm/W): 34.012     | Up Lumens&Percent: 123.636lm 10.27%    |  |
| Tested Power(W): 35.400                         | Max. Candela(cd): 2258.484     | S/MH: C0_a180=0.408 C90_270=0.406      |  |
| Lamps' Inside: 1                                | Max Cand@Ang. (°): C=0.0 γ=0.0 | CIE Type: General Diffuse              |  |
| Tested Electrics (V, A, pf):219.8, 0.213, 0.752 | Beam Angle(50%Imax): 24.5(°)   | ErP φ use(90°): 916.895lm              |  |
| Lamp Size (W*L*H):0.000m*0.000m*0.000m          | Left=-12.2°, Right=12.3°       | IRF(%): 484.488                        |  |



**2D Plane Light Intensity Distribution Curve**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

**C Plane Distribution Diagram**

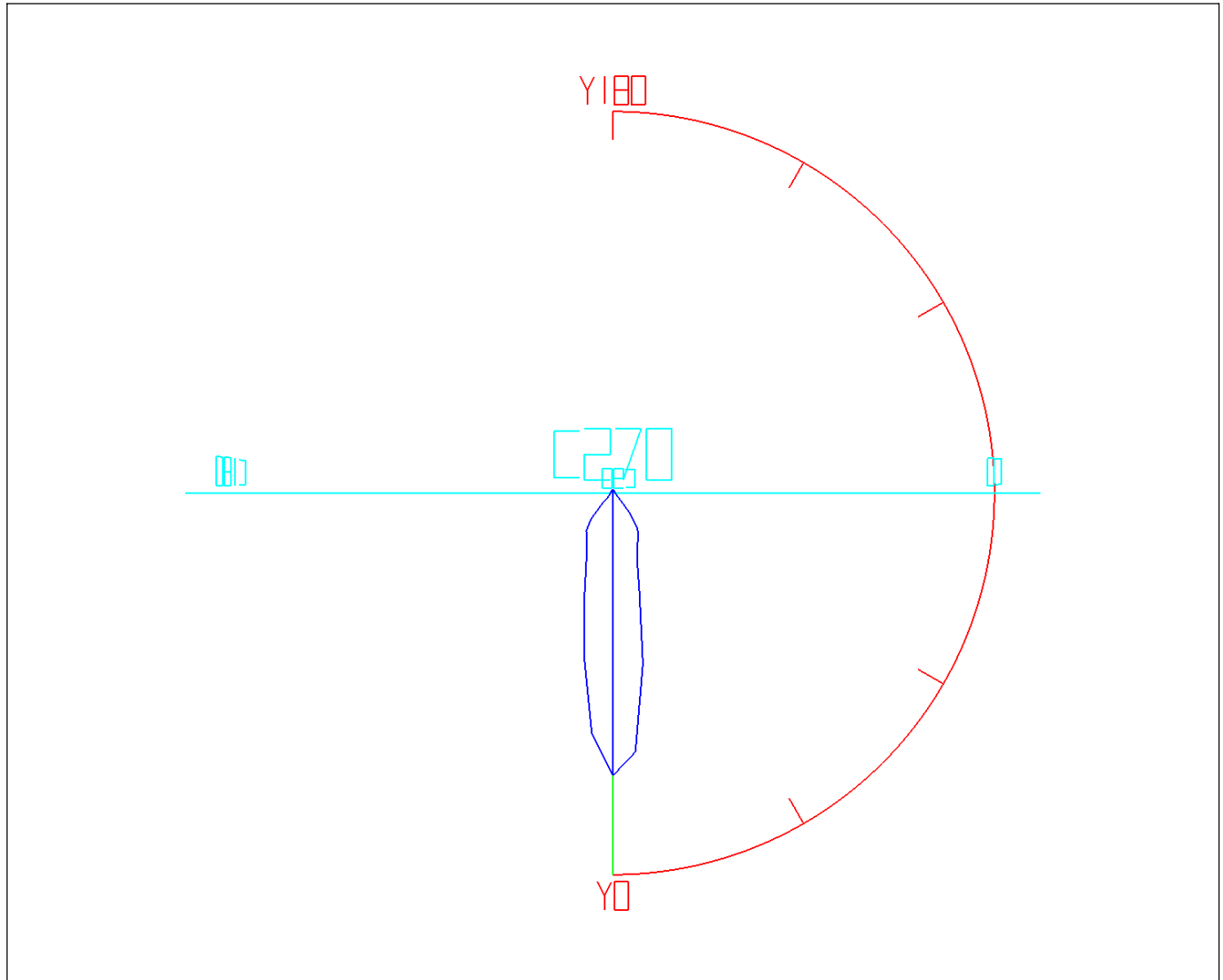


C Plane [50%MaxAng.] [10%MaxAng.] Unit:cd  
 — C0.0\_180.0 : 24.5 81.3  
 — C90.0\_270.0 : 24.4 81.0

**3D Light Intensity Distribution Modal**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

**3D Light Intensity Distribution Modal**



Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —  
 View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

**Zonal Flux Tabulation**

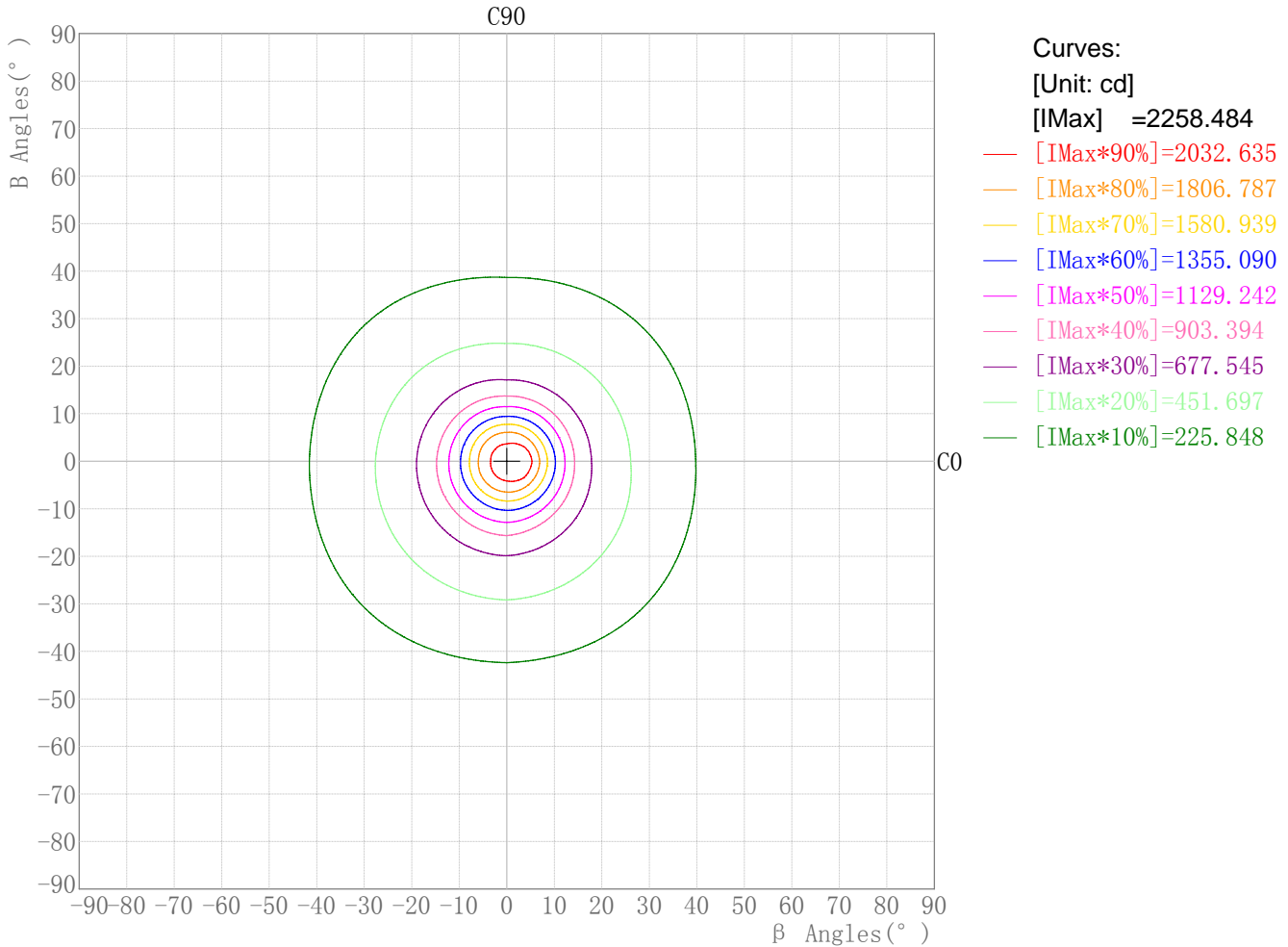
| Zone(γ)     | Zone Flux<br>(lm) | Sums Flux<br>(lm) | Zone%Lamp | Sums%Lamp |
|-------------|-------------------|-------------------|-----------|-----------|
| 0.0-5.0     | 50.73             | 50.73             | 4.28      | 4.28      |
| 5.0-10.0    | 119.04            | 169.76            | 10.04     | 14.31     |
| 10.0-15.0   | 130.32            | 300.08            | 10.99     | 25.30     |
| 15.0-20.0   | 120.06            | 420.15            | 10.12     | 35.43     |
| 20.0-25.0   | 113.54            | 533.68            | 9.57      | 45.00     |
| 25.0-30.0   | 112.86            | 646.54            | 9.52      | 54.51     |
| 30.0-35.0   | 112.69            | 759.23            | 9.50      | 64.02     |
| 35.0-40.0   | 99.68             | 858.91            | 8.40      | 72.42     |
| 40.0-45.0   | 67.14             | 926.05            | 5.66      | 78.08     |
| 45.0-50.0   | 35.97             | 962.02            | 3.03      | 81.11     |
| 50.0-55.0   | 22.22             | 984.24            | 1.87      | 82.99     |
| 55.0-60.0   | 17.70             | 1001.94           | 1.49      | 84.48     |
| 60.0-65.0   | 15.48             | 1017.43           | 1.31      | 85.79     |
| 65.0-70.0   | 14.23             | 1031.65           | 1.20      | 86.99     |
| 70.0-75.0   | 13.35             | 1045.01           | 1.13      | 88.11     |
| 75.0-80.0   | 12.59             | 1057.60           | 1.06      | 89.17     |
| 80.0-85.0   | 11.76             | 1069.36           | 0.99      | 90.17     |
| 85.0-90.0   | 11.03             | 1080.38           | 0.93      | 91.09     |
| 90.0-95.0   | 10.58             | 1090.97           | 0.89      | 91.99     |
| 95.0-100.0  | 10.30             | 1101.26           | 0.87      | 92.86     |
| 100.0-105.0 | 10.01             | 1111.27           | 0.84      | 93.70     |
| 105.0-110.0 | 9.72              | 1120.99           | 0.82      | 94.52     |
| 110.0-115.0 | 9.41              | 1130.40           | 0.79      | 95.31     |
| 115.0-120.0 | 9.08              | 1139.48           | 0.77      | 96.08     |
| 120.0-125.0 | 8.71              | 1148.19           | 0.73      | 96.81     |
| 125.0-130.0 | 8.32              | 1156.52           | 0.70      | 97.51     |
| 130.0-135.0 | 7.91              | 1164.42           | 0.67      | 98.18     |
| 135.0-140.0 | 7.44              | 1171.87           | 0.63      | 98.81     |
| 140.0-145.0 | 6.92              | 1178.79           | 0.58      | 99.39     |
| 145.0-150.0 | 6.30              | 1185.09           | 0.53      | 99.92     |
| 150.0-155.0 | 5.54              | 1190.63           | 0.47      | 100.39    |
| 155.0-160.0 | 4.69              | 1195.32           | 0.40      | 100.79    |
| 160.0-165.0 | 3.75              | 1199.07           | 0.32      | 101.10    |
| 165.0-170.0 | 2.73              | 1201.80           | 0.23      | 101.33    |
| 170.0-175.0 | 1.66              | 1203.46           | 0.14      | 101.47    |
| 175.0-180.0 | 0.56              | 1204.02           | 0.05      | 101.52    |

---

**Rectangle ISO Lighting Intensity Diagram**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

**ISO Lighting Intensity Curve**

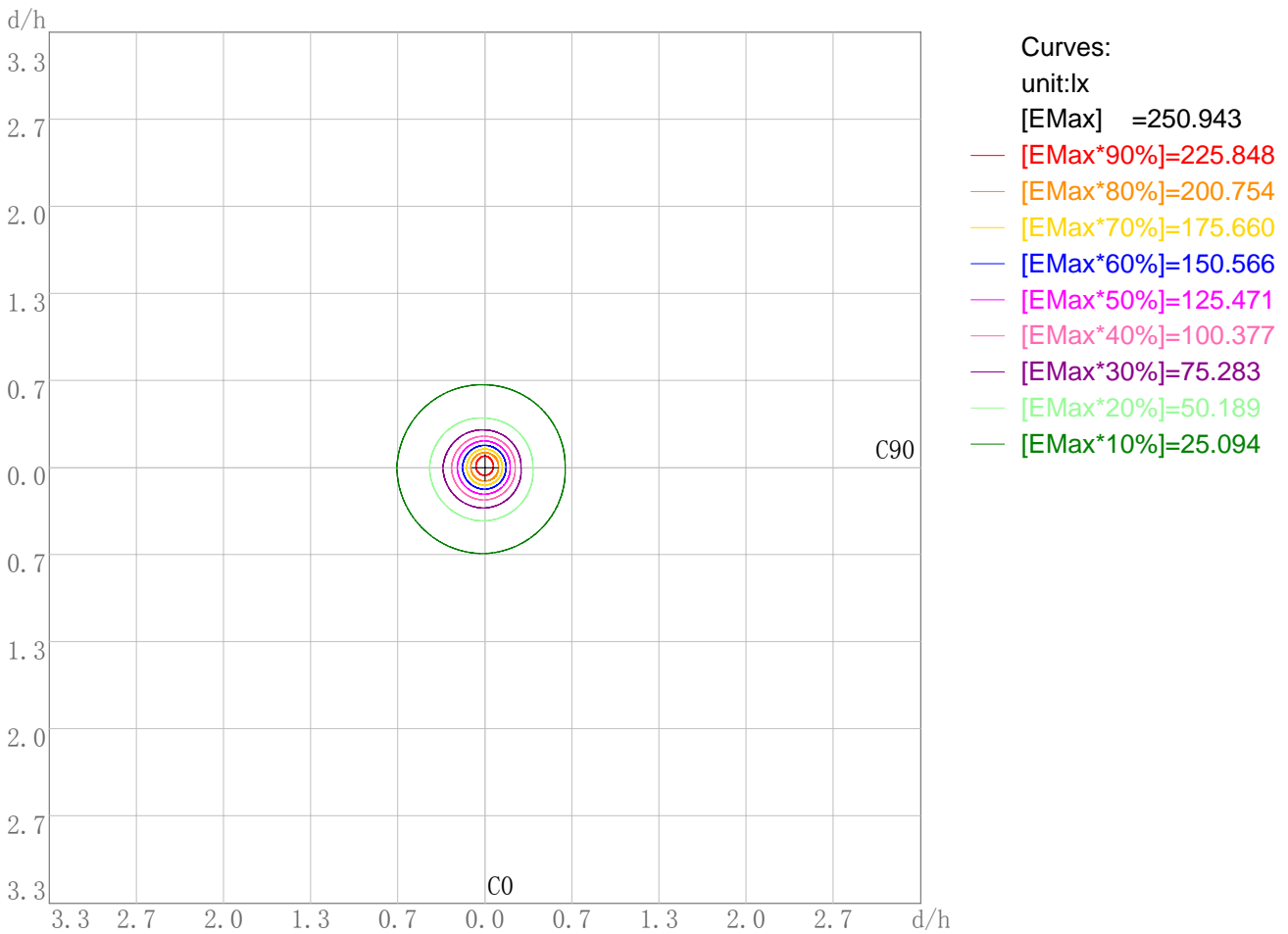


Maximum Light Intensity(cd): 2258.48  
 Maximum Cand.@Angle: H=0.0°,V=0.0°

**Plane ISO-Illuminance Diagram**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

**Plane ISO-Illuminance Curve**

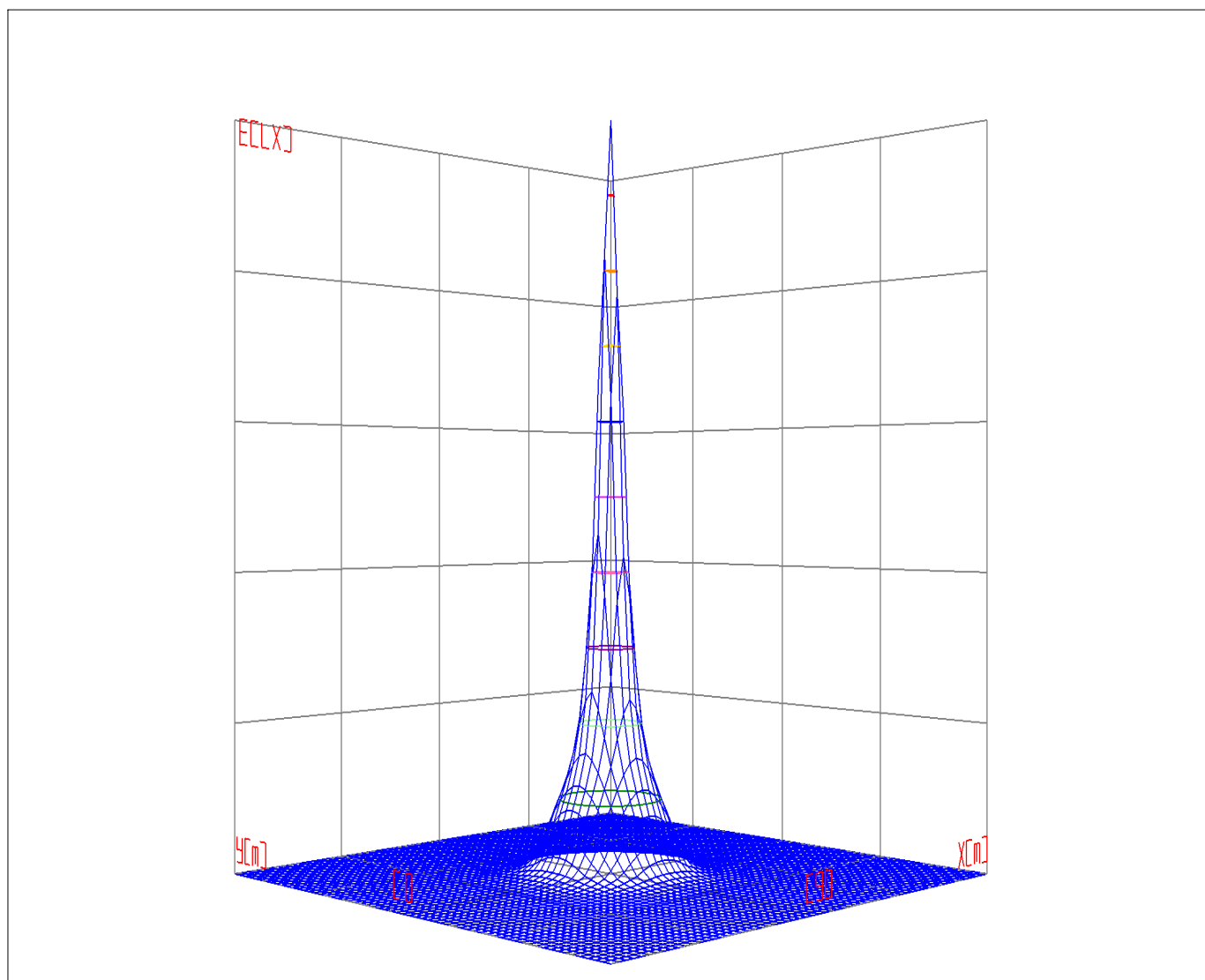


Working Plane Luminaire Mounting Height(m): 3.00  
 Working Plane Maximum Illuminance(lx): 250.94  
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

**3D Plane ISO Illuminance Diagram**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: C L2-13MR                        | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

**3D Plane Illuminance Modal**

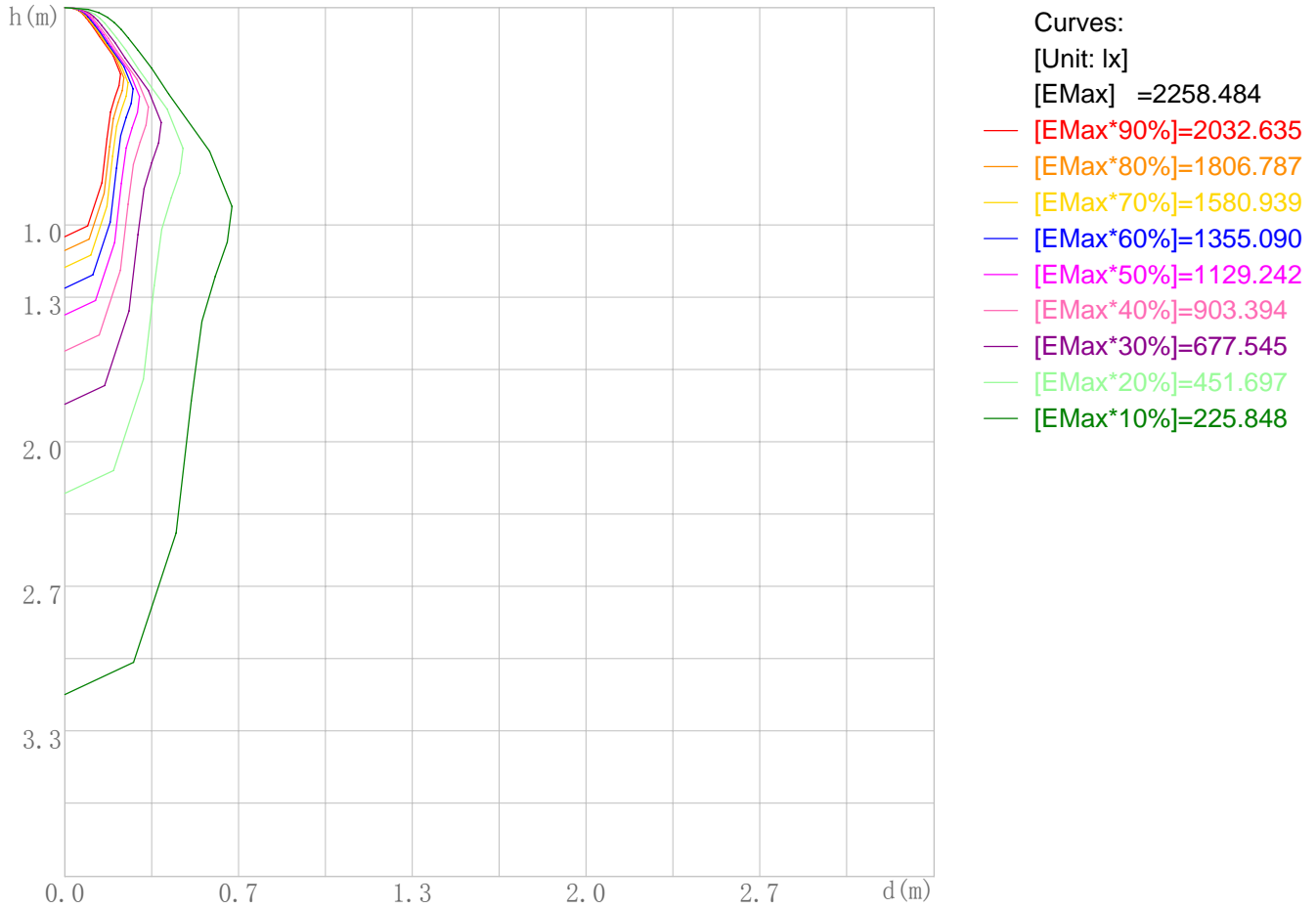


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
 View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0

**Space ISO Illuminance Diagram**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

Space ISO Illuminance Curve



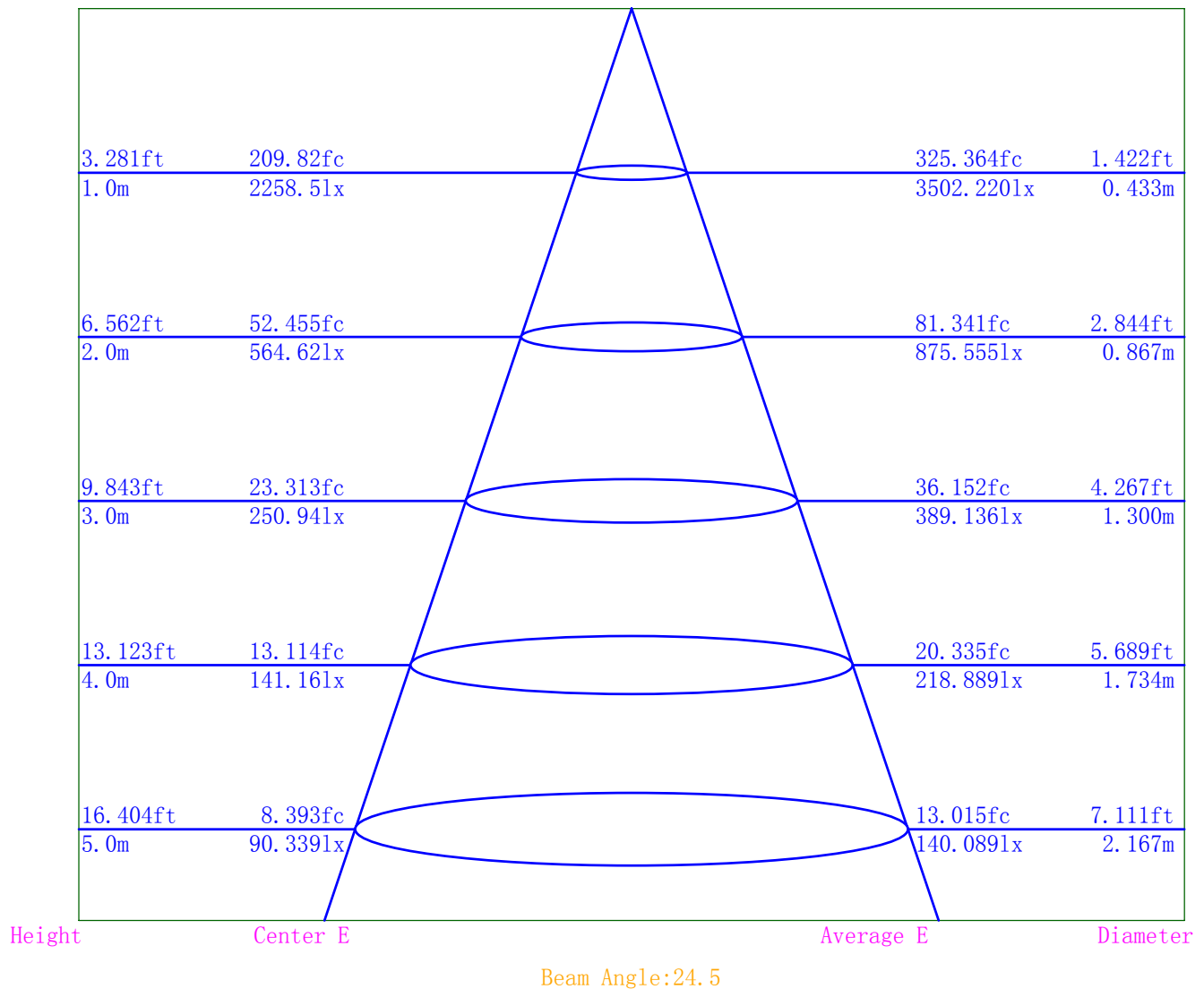
Space Plane Maximum Illuminance and @Angle:2258.48lx,0.0deg  
 Plane Maximum Lighting Intensity and @Angle:2258.484cd,0deg



**Illuminance-Distance Diagram**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

**Illuminance-Distance Curve**



**Indoor Luminance Limiting Curves**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

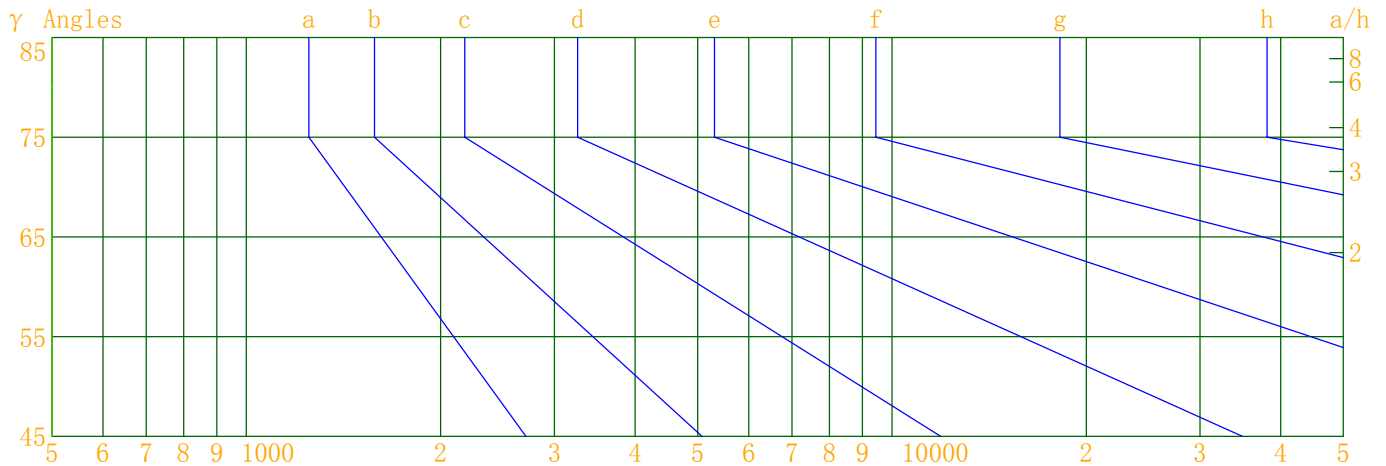
Glare Grade Table

| 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  |

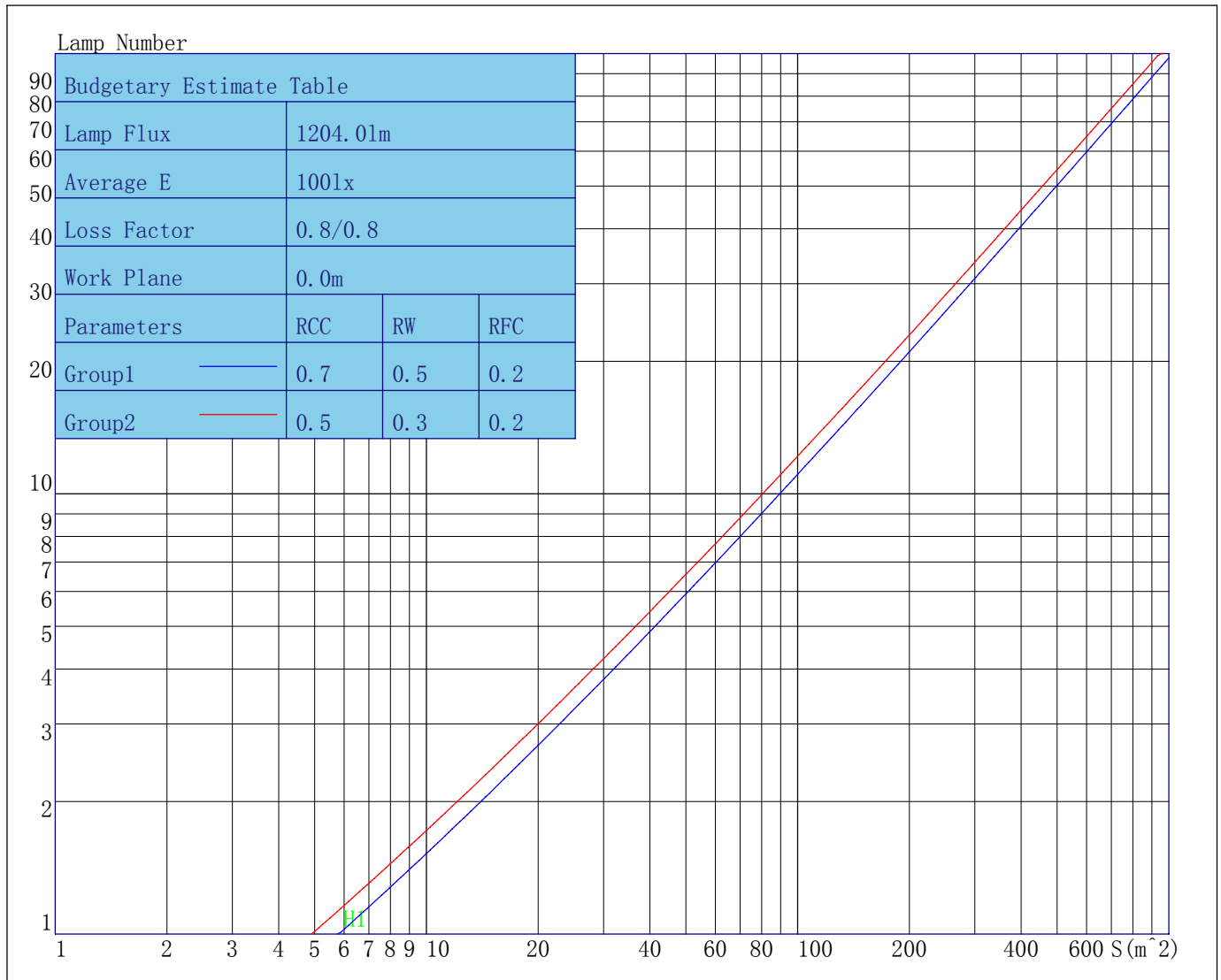
Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m^2)=0.000000  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

**Indoor Budgetary Estimate Table**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |



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

**Indoor Coefficient of Utilization Table**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

| 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   | 118   | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 100 | 100 | 100 | 94 | 94 | 94 | 91 |
| 1   | 111   | 107 | 104 | 101 | 107 | 104 | 101 | 99  | 98  | 96  | 94  | 92  | 91  | 89  | 87 | 86 | 85 | 82 |
| 2   | 104   | 98  | 93  | 89  | 101 | 96  | 91  | 87  | 91  | 87  | 84  | 86  | 83  | 81  | 82 | 79 | 77 | 75 |
| 3   | 98  | 91  | 85  | 80  | 95  | 88  | 83  | 79  | 84  | 80  | 76  | 80  | 77  | 73  | 76 | 74 | 71 | 69 |
| 4   | 93  | 84  | 77  | 72  | 90  | 82  | 76  | 71  | 78  | 73  | 69  | 75  | 71  | 68  | 72 | 68 | 66 | 64 |
| 5   | 87  | 78  | 71  | 66  | 85  | 76  | 70  | 66  | 73  | 68  | 64  | 70  | 66  | 63  | 68 | 64 | 61 | 59 |
| 6   | 83  | 73  | 66  | 61  | 80  | 71  | 65  | 61  | 69  | 63  | 59  | 66  | 62  | 58  | 64 | 60 | 57 | 55 |
| 7   | 78  | 68  | 62  | 57  | 76  | 67  | 61  | 56  | 65  | 59  | 55  | 63  | 58  | 54  | 61 | 56 | 53 | 52 |
| 8   | 75  | 64  | 58  | 53  | 73  | 63  | 57  | 53  | 61  | 56  | 52  | 59  | 54  | 51  | 57 | 53 | 50 | 49 |
| 9   | 71  | 61  | 54  | 50  | 69  | 60  | 54  | 50  | 58  | 53  | 49  | 56  | 51  | 48  | 55 | 50 | 47 | 46 |
| 10  | 68  | 57  | 51  | 47  | 66  | 57  | 51  | 47  | 55  | 50  | 46  | 53  | 49  | 45  | 52 | 48 | 45 | 43 |

**Unified Glare Rating Table**

|   |                                  |                       |
|---|----------------------------------|-----------------------|
| Lum. Name: DC13W-3000K, Ra90, Reflector 24° | Lum. Catalog: 1200LM             | Test ID: 01           |
| Lamp Name: CL2-13MR                         | Lamp Catalog: lamps and lanterns | Test Lab:             |
| LED Chip: Citizen CLU028-1203C4-30XH5M3     | Test Machine:GON-2000            | Test Date: 2017/06/14 |

**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   | -1.0            | 0.1  | -0.5 | 0.6  | 1.1  | -1.0          | 0.1  | -0.5 | 0.6  | 1.1  |
| Y=3H  | -1.2            | -0.2 | -0.6 | 0.3  | 0.9  | -1.2          | -0.2 | -0.6 | 0.3  | 0.9  |
| Y=4H  | -1.3            | -0.4 | -0.7 | 0.1  | 0.8  | -1.3          | -0.4 | -0.7 | 0.1  | 0.8  |
| Y=6H  | -1.4            | -0.6 | -0.8 | -0.0 | 0.6  | -1.4          | -0.6 | -0.8 | -0.0 | 0.6  |
| Y=8H  | -1.4            | -0.7 | -0.8 | -0.1 | 0.6  | -1.4          | -0.7 | -0.8 | -0.1 | 0.6  |
| Y=12H   | -1.5            | -0.8 | -0.9 | -0.2 | 0.5  | -1.5          | -0.8 | -0.9 | -0.2 | 0.5  |
| X=4H Y=2H   | -1.3            | -0.4 | -0.7 | 0.1  | 0.8  | -1.3          | -0.4 | -0.7 | 0.1  | 0.8  |
| Y=3H  | -1.5            | -0.7 | -0.9 | -0.2 | 0.5  | -1.5          | -0.7 | -0.9 | -0.2 | 0.5  |
| Y=4H  | -1.6            | -0.9 | -1.0 | -0.3 | 0.4  | -1.6          | -0.9 | -1.0 | -0.3 | 0.4  |
| Y=6H  | -1.7            | -1.1 | -1.1 | -0.5 | 0.2  | -1.7          | -1.1 | -1.1 | -0.5 | 0.2  |
| Y=8H  | -1.8            | -1.2 | -1.1 | -0.6 | 0.1  | -1.8          | -1.2 | -1.1 | -0.6 | 0.1  |
| Y=12H   | -1.8            | -1.3 | -1.2 | -0.7 | 0.0  | -1.8          | -1.3 | -1.2 | -0.7 | 0.0  |
| X=8H Y=4H   | -1.8            | -1.2 | -1.1 | -0.6 | 0.1  | -1.8          | -1.2 | -1.1 | -0.6 | 0.1  |
| Y=6H  | -1.9            | -1.4 | -1.2 | -0.8 | 0.0  | -1.9          | -1.4 | -1.2 | -0.8 | 0.0  |
| Y=8H  | -2.0            | -1.5 | -1.3 | -0.9 | -0.1 | -2.0          | -1.5 | -1.3 | -0.9 | -0.1 |
| Y=12H   | -2.0            | -1.6 | -1.3 | -1.0 | -0.2 | -2.0          | -1.6 | -1.3 | -1.0 | -0.2 |
| X=12H Y=4H  | -1.8            | -1.3 | -1.2 | -0.7 | 0.0  | -1.8          | -1.3 | -1.2 | -0.7 | 0.0  |
| Y=6H  | -2.0            | -1.5 | -1.3 | -0.9 | -0.1 | -2.0          | -1.5 | -1.3 | -0.9 | -0.1 |
| Y=8H  | -2.0            | -1.6 | -1.3 | -1.0 | -0.2 | -2.0          | -1.6 | -1.3 | -1.0 | -0.2 |
| Variations with the objerver 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.

**Candela Tabulation**

| V/H     | C0.0    | C90.0   | C180.0  | C270.0  |
|---------|---------|---------|---------|---------|
| γ 0.0   | 2258.48 | 2258.48 | 2258.48 | 2258.48 |
| γ 5.0   | 2075.20 | 1950.84 | 1925.97 | 1986.49 |
| γ 10.0  | 1383.17 | 1280.07 | 1322.47 | 1386.27 |
| γ 15.0  | 821.08  | 773.35  | 883.41  | 937.81  |
| γ 20.0  | 567.39  | 548.00  | 625.35  | 670.89  |
| γ 25.0  | 464.37  | 447.32  | 488.39  | 518.41  |
| γ 30.0  | 404.74  | 386.55  | 418.95  | 438.46  |
| γ 35.0  | 344.13  | 312.49  | 369.82  | 385.94  |
| γ 40.0  | 219.70  | 194.08  | 273.04  | 290.56  |
| γ 45.0  | 101.39  | 95.90   | 121.40  | 154.39  |
| γ 50.0  | 66.59   | 57.87   | 53.66   | 60.82   |
| γ 55.0  | 46.32   | 41.92   | 39.44   | 42.24   |
| γ 60.0  | 35.85   | 33.43   | 32.48   | 34.64   |
| γ 65.0  | 30.59   | 28.79   | 28.57   | 30.43   |
| γ 70.0  | 27.12   | 25.65   | 26.09   | 27.52   |
| γ 75.0  | 24.80   | 23.51   | 24.14   | 25.53   |
| γ 80.0  | 22.71   | 21.83   | 22.25   | 23.43   |
| γ 85.0  | 20.95   | 20.17   | 20.48   | 21.33   |
| γ 90.0  | 19.64   | 19.18   | 19.39   | 19.93   |
| γ 95.0  | 19.21   | 18.81   | 18.96   | 19.47   |
| γ 100.0 | 18.90   | 18.58   | 18.66   | 18.99   |
| γ 105.0 | 18.67   | 18.50   | 18.50   | 18.82   |
| γ 110.0 | 18.66   | 18.44   | 18.46   | 18.67   |
| γ 115.0 | 18.68   | 18.51   | 18.54   | 18.75   |
| γ 120.0 | 18.71   | 18.66   | 18.73   | 18.82   |
| γ 125.0 | 18.90   | 18.91   | 19.00   | 18.97   |
| γ 130.0 | 19.24   | 19.32   | 19.42   | 19.37   |
| γ 135.0 | 19.71   | 19.79   | 19.84   | 19.85   |
| γ 140.0 | 20.26   | 20.47   | 20.48   | 20.38   |
| γ 145.0 | 21.03   | 21.13   | 21.20   | 21.06   |
| γ 150.0 | 21.56   | 21.67   | 21.74   | 21.61   |
| γ 155.0 | 22.11   | 22.19   | 22.27   | 22.06   |
| γ 160.0 | 22.56   | 22.58   | 22.64   | 22.44   |
| γ 165.0 | 22.90   | 22.92   | 22.94   | 22.80   |
| γ 170.0 | 23.13   | 23.25   | 23.18   | 23.15   |
| γ 175.0 | 23.35   | 23.43   | 23.33   | 23.21   |
| γ 180.0 | 23.37   | 23.37   | 23.37   | 23.37   |

---