

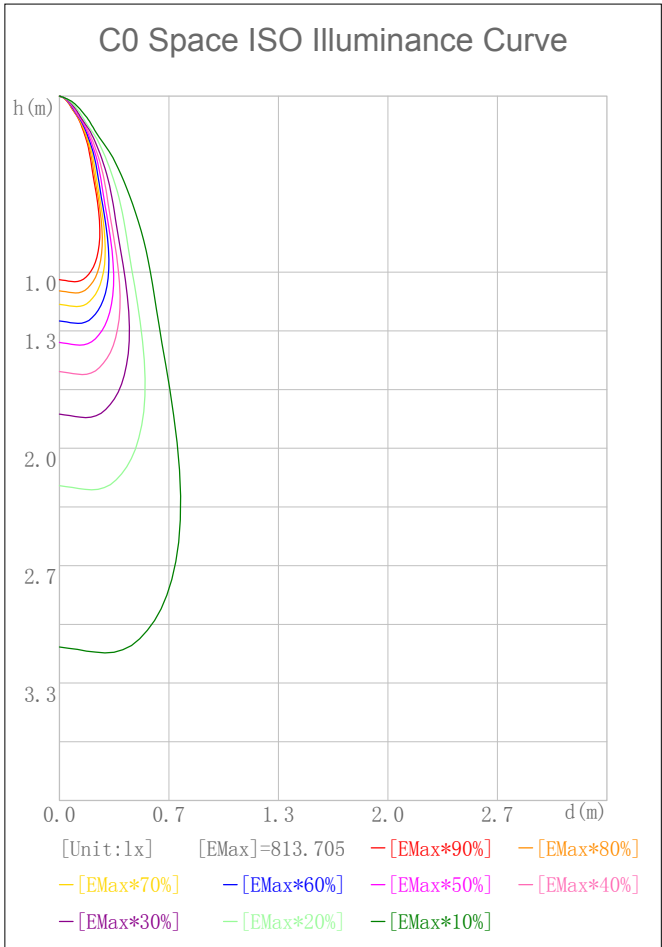
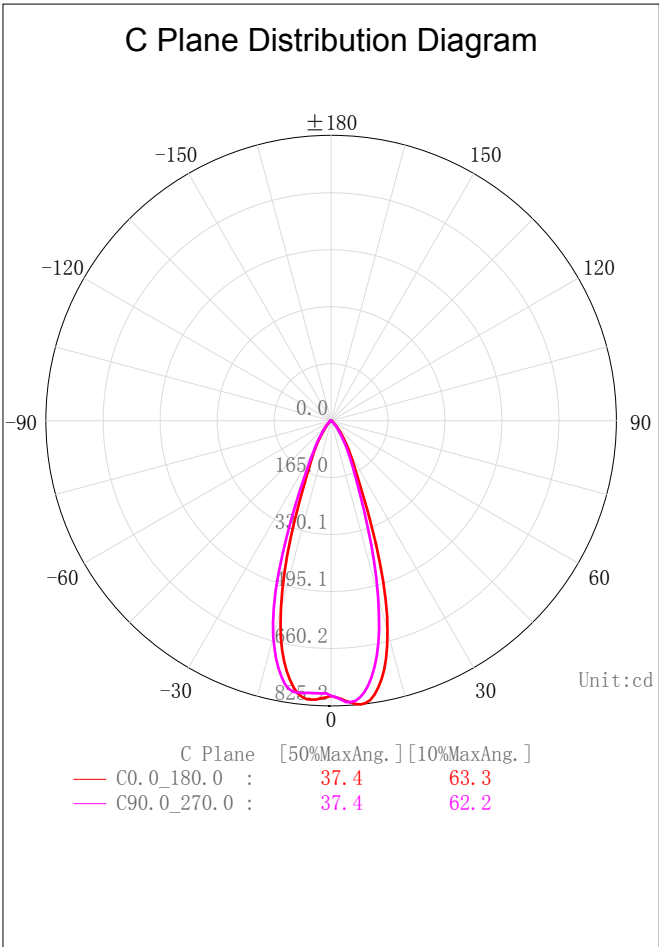
Indoor Luminaire Photometric Data

Description Information

| | | | |
|--|-------------------------|----------------------|-----------------------|
| Luminary Name:SD09-06-DW-04 2000K-3000K RA95 36D | | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | | Lamp Catalog: LED | Test Date: 2021/11/11 |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | | Shld.Ang(°): | Test Machine:GON-2000 |
| Test Lab: Quality Department | | Frequency (Hz): | Lamp CCT (K): Ra: |
| Lum. Size (W*L*H):0.038m*0.038m*0.000m | | Lum. Area (m2):0.001 | Lum. W (kg): 0.000 |
| Test System: C, γ | Test Step: C=90.0 γ=1.0 | Temp. (°C): 25 | Humidity(%): 50.0 |

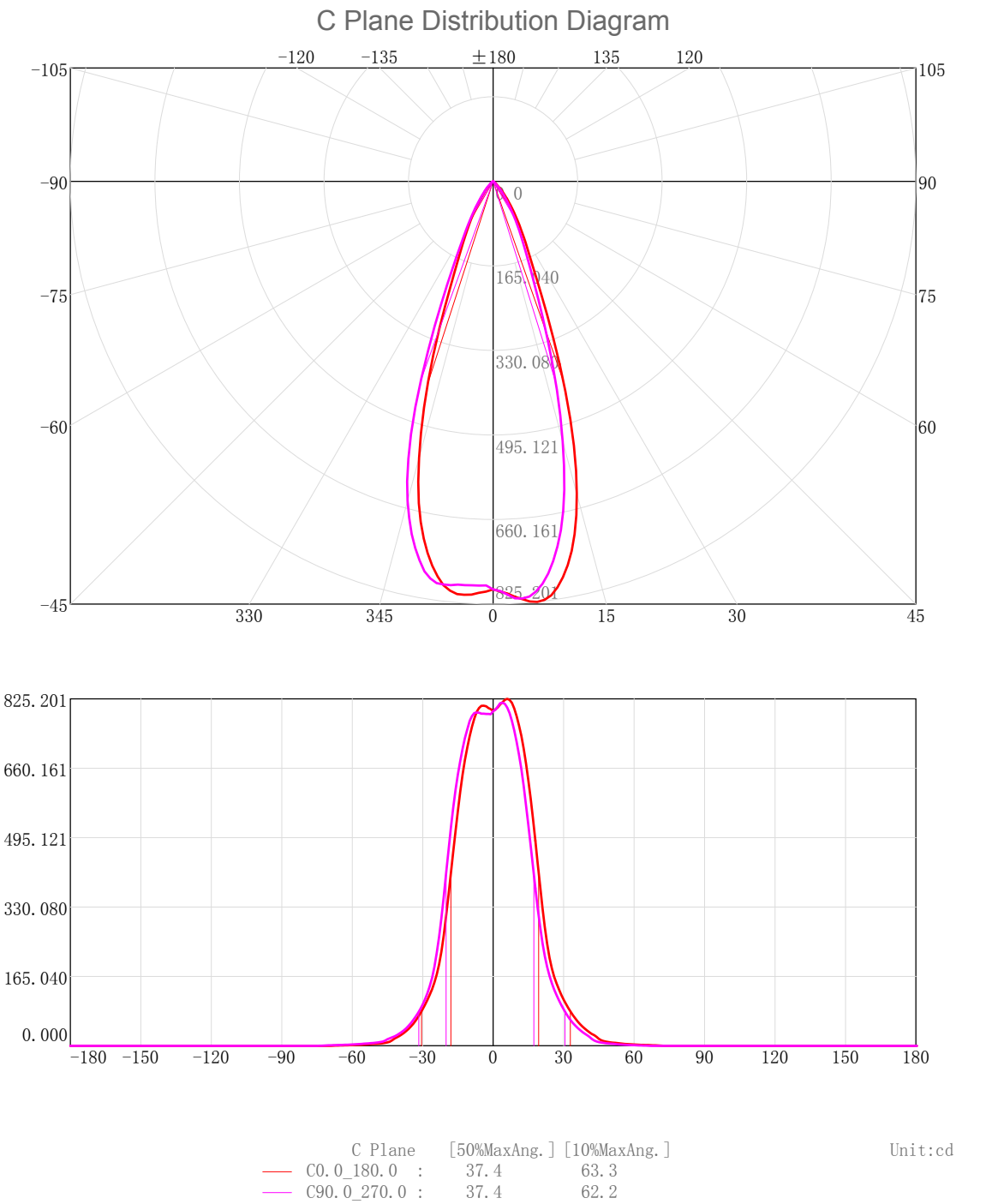
Character Parameter

| Lamp Speciality Parameter | | Luminaire Speciality Parameter | |
|---|--------------------------------|--|--|
| Rated Flux(lm): 365.730 | Luminary Flux(lm): 365.735 | Field Angle(10%Imax): 63.3(°) | |
| Rated Power(W): | Luminary Efficiency: 100.00% | Down Lumens&Percent: 365.734lm 100.00% | |
| Rated Voltage(V): | Luminary EER(lm/W): 61.160 | Up Lumens&Percent: 0.001lm 0.00% | |
| Tested Power(W): 5.980 | Max. Candela(cd): 825.201 | S/MH: C0_a180=0.641 C90_270=0.639 | |
| Lamps' Inside: 1 | Max Cand@Ang. (°): C=0.0 γ=6.0 | CIE Type: Semi-Direct | |
| Tested Electrics (V, A, pf):241.0, 0.029, 0.836 | Beam Angle(50%Imax): 37.4(°) | ErP Φ use(90°): 347.299lm | |
| Lamp Size (W*L*H):0.038m*0.038m*0.000m | Left=-18.0°, Right=19.4° | IRF(%): 449.966 | |



2D Plane Light Intensity Distribution Curve

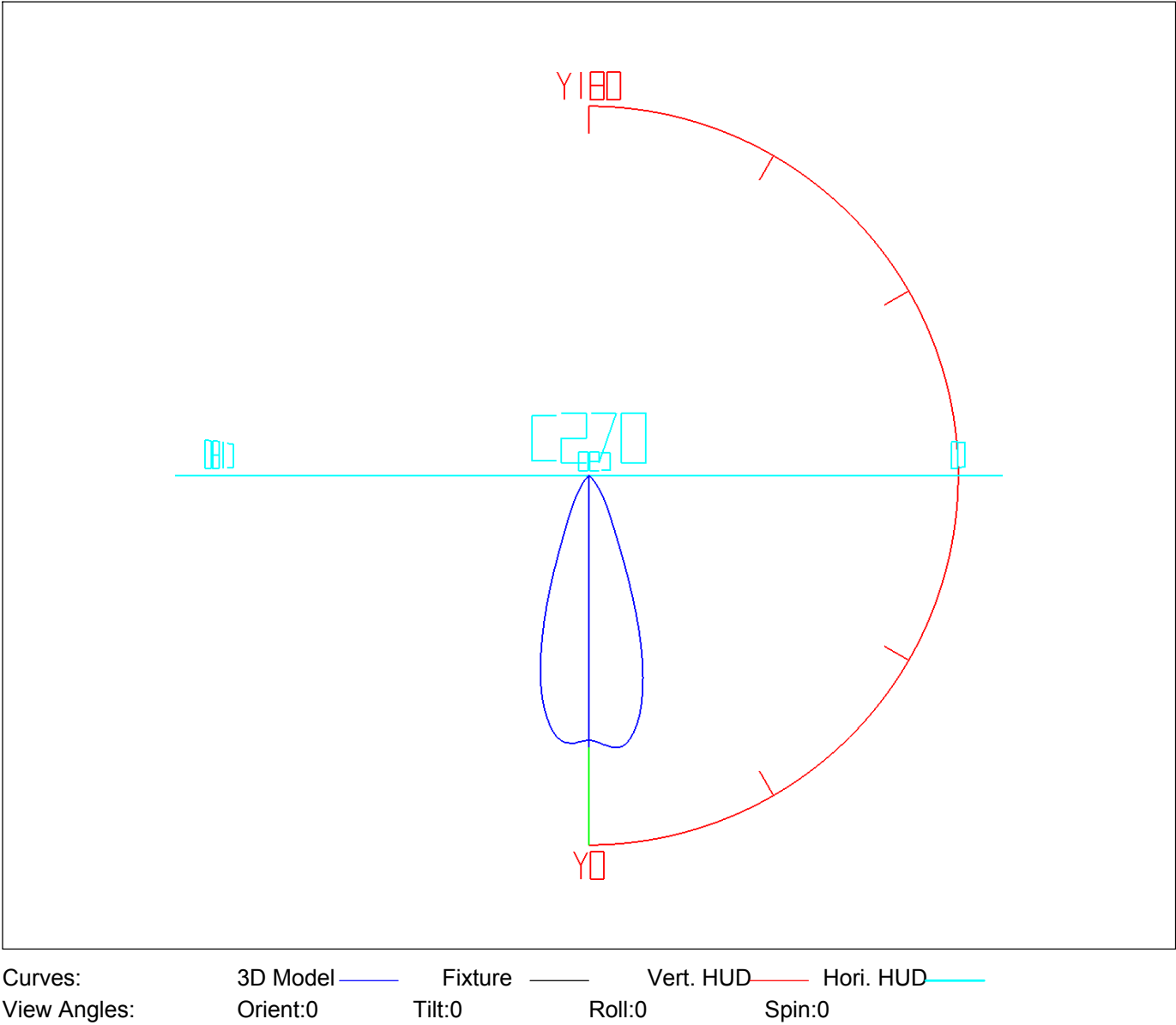
| | | |
|---|-----------------------|-----------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Deparment |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |



3D Light Intensity Distribution Modal

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |

3D Light Intensity Distribution Modal



IES Indoor Report

Photometric Filename:SD09-06-DW-04 2000K-3000K RA95 36D.IES

Zonal Flux Tabulation

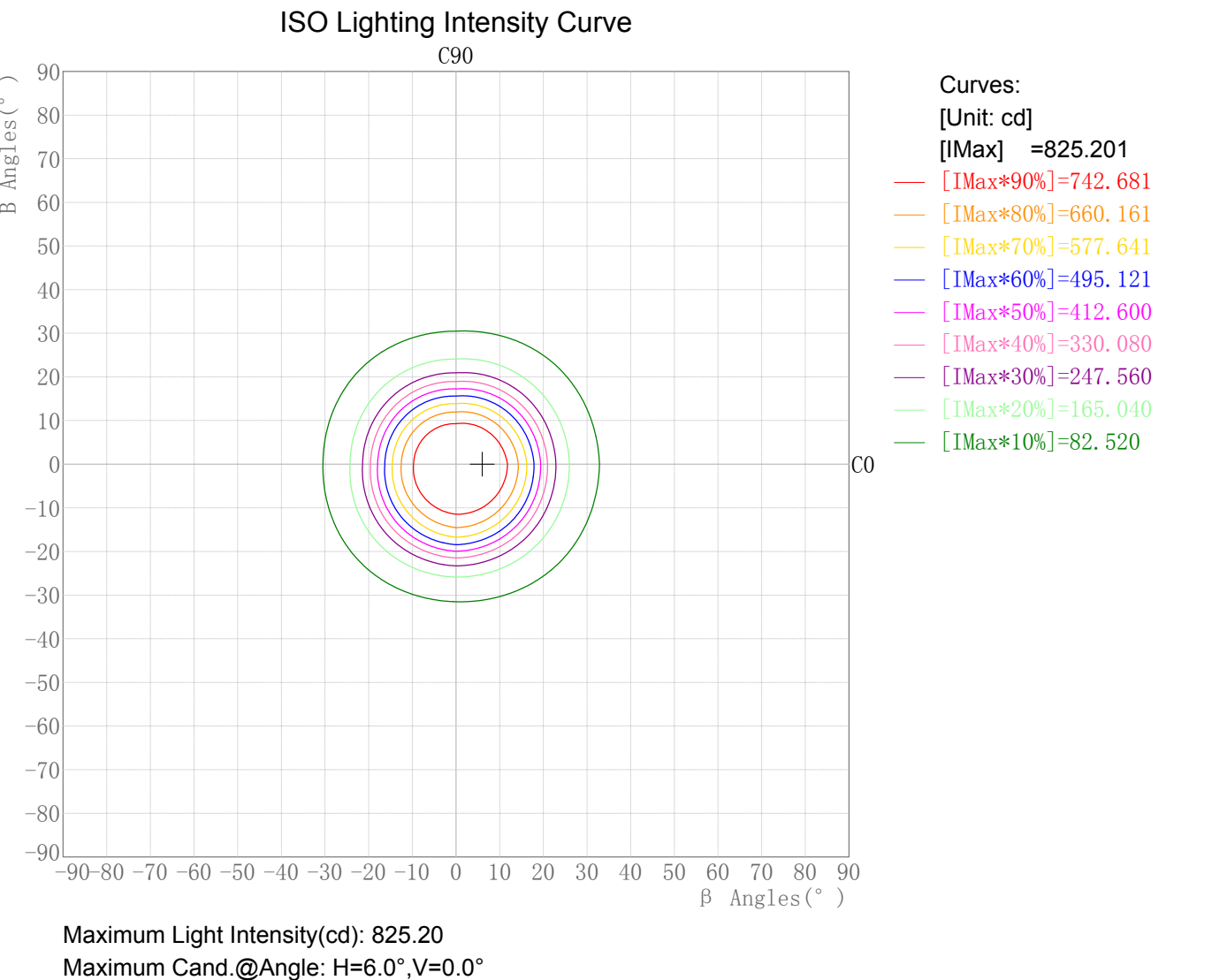
| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp | Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|-----------|-------------------|-------------------|-----------|-----------|-----------|-------------------|-------------------|-----------|-----------|
| 0.0-1.0 | 0.76 | 0.76 | 0.21 | 0.21 | 47.0-48.0 | 0.67 | 359.37 | 0.18 | 98.26 |
| 1.0-2.0 | 2.29 | 3.06 | 0.63 | 0.84 | 48.0-49.0 | 0.61 | 359.98 | 0.17 | 98.43 |
| 2.0-3.0 | 3.84 | 6.90 | 1.05 | 1.89 | 49.0-50.0 | 0.56 | 360.54 | 0.15 | 98.58 |
| 3.0-4.0 | 5.40 | 12.30 | 1.48 | 3.36 | 50.0-51.0 | 0.52 | 361.06 | 0.14 | 98.72 |
| 4.0-5.0 | 6.95 | 19.26 | 1.90 | 5.27 | 51.0-52.0 | 0.49 | 361.55 | 0.13 | 98.86 |
| 5.0-6.0 | 8.49 | 27.74 | 2.32 | 7.59 | 52.0-53.0 | 0.45 | 362.00 | 0.12 | 98.98 |
| 6.0-7.0 | 9.97 | 37.72 | 2.73 | 10.31 | 53.0-54.0 | 0.41 | 362.41 | 0.11 | 99.09 |
| 7.0-8.0 | 11.38 | 49.09 | 3.11 | 13.42 | 54.0-55.0 | 0.38 | 362.79 | 0.10 | 99.20 |
| 8.0-9.0 | 12.67 | 61.77 | 3.47 | 16.89 | 55.0-56.0 | 0.34 | 363.13 | 0.09 | 99.29 |
| 9.0-10.0 | 13.83 | 75.60 | 3.78 | 20.67 | 56.0-57.0 | 0.31 | 363.44 | 0.09 | 99.37 |
| 10.0-11.0 | 14.83 | 90.43 | 4.05 | 24.73 | 57.0-58.0 | 0.29 | 363.73 | 0.08 | 99.45 |
| 11.0-12.0 | 15.65 | 106.08 | 4.28 | 29.00 | 58.0-59.0 | 0.26 | 363.99 | 0.07 | 99.52 |
| 12.0-13.0 | 16.26 | 122.34 | 4.45 | 33.45 | 59.0-60.0 | 0.24 | 364.23 | 0.07 | 99.59 |
| 13.0-14.0 | 16.64 | 138.97 | 4.55 | 38.00 | 60.0-61.0 | 0.22 | 364.45 | 0.06 | 99.65 |
| 14.0-15.0 | 16.76 | 155.74 | 4.58 | 42.58 | 61.0-62.0 | 0.20 | 364.65 | 0.05 | 99.71 |
| 15.0-16.0 | 16.64 | 172.38 | 4.55 | 47.13 | 62.0-63.0 | 0.18 | 364.83 | 0.05 | 99.75 |
| 16.0-17.0 | 16.25 | 188.63 | 4.44 | 51.58 | 63.0-64.0 | 0.16 | 365.00 | 0.04 | 99.80 |
| 17.0-18.0 | 15.60 | 204.23 | 4.27 | 55.84 | 64.0-65.0 | 0.15 | 365.15 | 0.04 | 99.84 |
| 18.0-19.0 | 14.69 | 218.92 | 4.02 | 59.86 | 65.0-66.0 | 0.13 | 365.28 | 0.04 | 99.88 |
| 19.0-20.0 | 13.58 | 232.50 | 3.71 | 63.57 | 66.0-67.0 | 0.11 | 365.39 | 0.03 | 99.91 |
| 20.0-21.0 | 12.35 | 244.84 | 3.38 | 66.95 | 67.0-68.0 | 0.09 | 365.48 | 0.03 | 99.93 |
| 21.0-22.0 | 11.12 | 255.97 | 3.04 | 69.99 | 68.0-69.0 | 0.08 | 365.56 | 0.02 | 99.95 |
| 22.0-23.0 | 10.00 | 265.97 | 2.74 | 72.72 | 69.0-70.0 | 0.06 | 365.62 | 0.02 | 99.97 |
| 23.0-24.0 | 9.02 | 275.00 | 2.47 | 75.19 | 70.0-71.0 | 0.05 | 365.67 | 0.01 | 99.98 |
| 24.0-25.0 | 8.19 | 283.18 | 2.24 | 77.43 | 71.0-72.0 | 0.03 | 365.70 | 0.01 | 99.99 |
| 25.0-26.0 | 7.48 | 290.66 | 2.05 | 79.48 | 72.0-73.0 | 0.02 | 365.72 | 0.01 | 100.00 |
| 26.0-27.0 | 6.88 | 297.55 | 1.88 | 81.36 | 73.0-74.0 | 0.01 | 365.73 | 0.00 | 100.00 |
| 27.0-28.0 | 6.37 | 303.92 | 1.74 | 83.10 | 74.0-75.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 28.0-29.0 | 5.90 | 309.82 | 1.61 | 84.71 | 75.0-76.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 29.0-30.0 | 5.46 | 315.28 | 1.49 | 86.21 | 76.0-77.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 30.0-31.0 | 5.04 | 320.32 | 1.38 | 87.58 | 77.0-78.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 31.0-32.0 | 4.64 | 324.96 | 1.27 | 88.85 | 78.0-79.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 32.0-33.0 | 4.25 | 329.21 | 1.16 | 90.01 | 79.0-80.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 33.0-34.0 | 3.88 | 333.08 | 1.06 | 91.07 | 80.0-81.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 34.0-35.0 | 3.52 | 336.60 | 0.96 | 92.04 | 81.0-82.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 35.0-36.0 | 3.19 | 339.79 | 0.87 | 92.91 | 82.0-83.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 36.0-37.0 | 2.89 | 342.68 | 0.79 | 93.70 | 83.0-84.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 37.0-38.0 | 2.61 | 345.29 | 0.71 | 94.41 | 84.0-85.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 38.0-39.0 | 2.35 | 347.64 | 0.64 | 95.05 | 85.0-86.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 39.0-40.0 | 2.12 | 349.76 | 0.58 | 95.63 | 86.0-87.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 40.0-41.0 | 1.90 | 351.66 | 0.52 | 96.15 | 87.0-88.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 41.0-42.0 | 1.68 | 353.33 | 0.46 | 96.61 | 88.0-89.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 42.0-43.0 | 1.45 | 354.78 | 0.40 | 97.01 | 89.0-90.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 43.0-44.0 | 1.23 | 356.01 | 0.34 | 97.34 | 90.0-91.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 44.0-45.0 | 1.05 | 357.06 | 0.29 | 97.63 | 91.0-92.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 45.0-46.0 | 0.88 | 357.94 | 0.24 | 97.87 | 92.0-93.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 46.0-47.0 | 0.75 | 358.70 | 0.21 | 98.08 | 93.0-94.0 | 0.00 | 365.73 | 0.00 | 100.00 |

Zonal Flux Tabulation - (Cont.)

| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp | Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|-------------|-------------------|-------------------|-----------|-----------|-------------|-------------------|-------------------|-----------|-----------|
| 94.0-95.0 | 0.00 | 365.73 | 0.00 | 100.00 | 141.0-142.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 95.0-96.0 | 0.00 | 365.73 | 0.00 | 100.00 | 142.0-143.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 96.0-97.0 | 0.00 | 365.73 | 0.00 | 100.00 | 143.0-144.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 97.0-98.0 | 0.00 | 365.73 | 0.00 | 100.00 | 144.0-145.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 98.0-99.0 | 0.00 | 365.73 | 0.00 | 100.00 | 145.0-146.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 99.0-100.0 | 0.00 | 365.73 | 0.00 | 100.00 | 146.0-147.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 100.0-101.0 | 0.00 | 365.73 | 0.00 | 100.00 | 147.0-148.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 101.0-102.0 | 0.00 | 365.73 | 0.00 | 100.00 | 148.0-149.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 102.0-103.0 | 0.00 | 365.73 | 0.00 | 100.00 | 149.0-150.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 103.0-104.0 | 0.00 | 365.73 | 0.00 | 100.00 | 150.0-151.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 104.0-105.0 | 0.00 | 365.73 | 0.00 | 100.00 | 151.0-152.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 105.0-106.0 | 0.00 | 365.73 | 0.00 | 100.00 | 152.0-153.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 106.0-107.0 | 0.00 | 365.73 | 0.00 | 100.00 | 153.0-154.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 107.0-108.0 | 0.00 | 365.73 | 0.00 | 100.00 | 154.0-155.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 108.0-109.0 | 0.00 | 365.73 | 0.00 | 100.00 | 155.0-156.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 109.0-110.0 | 0.00 | 365.73 | 0.00 | 100.00 | 156.0-157.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 110.0-111.0 | 0.00 | 365.73 | 0.00 | 100.00 | 157.0-158.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 111.0-112.0 | 0.00 | 365.73 | 0.00 | 100.00 | 158.0-159.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 112.0-113.0 | 0.00 | 365.73 | 0.00 | 100.00 | 159.0-160.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 113.0-114.0 | 0.00 | 365.73 | 0.00 | 100.00 | 160.0-161.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 114.0-115.0 | 0.00 | 365.73 | 0.00 | 100.00 | 161.0-162.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 115.0-116.0 | 0.00 | 365.73 | 0.00 | 100.00 | 162.0-163.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 116.0-117.0 | 0.00 | 365.73 | 0.00 | 100.00 | 163.0-164.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 117.0-118.0 | 0.00 | 365.73 | 0.00 | 100.00 | 164.0-165.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 118.0-119.0 | 0.00 | 365.73 | 0.00 | 100.00 | 165.0-166.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 119.0-120.0 | 0.00 | 365.73 | 0.00 | 100.00 | 166.0-167.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 120.0-121.0 | 0.00 | 365.73 | 0.00 | 100.00 | 167.0-168.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 121.0-122.0 | 0.00 | 365.73 | 0.00 | 100.00 | 168.0-169.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 122.0-123.0 | 0.00 | 365.73 | 0.00 | 100.00 | 169.0-170.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 123.0-124.0 | 0.00 | 365.73 | 0.00 | 100.00 | 170.0-171.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 124.0-125.0 | 0.00 | 365.73 | 0.00 | 100.00 | 171.0-172.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 125.0-126.0 | 0.00 | 365.73 | 0.00 | 100.00 | 172.0-173.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 126.0-127.0 | 0.00 | 365.73 | 0.00 | 100.00 | 173.0-174.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 127.0-128.0 | 0.00 | 365.73 | 0.00 | 100.00 | 174.0-175.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 128.0-129.0 | 0.00 | 365.73 | 0.00 | 100.00 | 175.0-176.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 129.0-130.0 | 0.00 | 365.73 | 0.00 | 100.00 | 176.0-177.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 130.0-131.0 | 0.00 | 365.73 | 0.00 | 100.00 | 177.0-178.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 131.0-132.0 | 0.00 | 365.73 | 0.00 | 100.00 | 178.0-179.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 132.0-133.0 | 0.00 | 365.73 | 0.00 | 100.00 | 179.0-180.0 | 0.00 | 365.73 | 0.00 | 100.00 |
| 133.0-134.0 | 0.00 | 365.73 | 0.00 | 100.00 | | | | | |
| 134.0-135.0 | 0.00 | 365.73 | 0.00 | 100.00 | | | | | |
| 135.0-136.0 | 0.00 | 365.73 | 0.00 | 100.00 | | | | | |
| 136.0-137.0 | 0.00 | 365.73 | 0.00 | 100.00 | | | | | |
| 137.0-138.0 | 0.00 | 365.73 | 0.00 | 100.00 | | | | | |
| 138.0-139.0 | 0.00 | 365.73 | 0.00 | 100.00 | | | | | |
| 139.0-140.0 | 0.00 | 365.73 | 0.00 | 100.00 | | | | | |
| 140.0-141.0 | 0.00 | 365.73 | 0.00 | 100.00 | | | | | |

Rectangle ISO Lighting Intensity Diagram

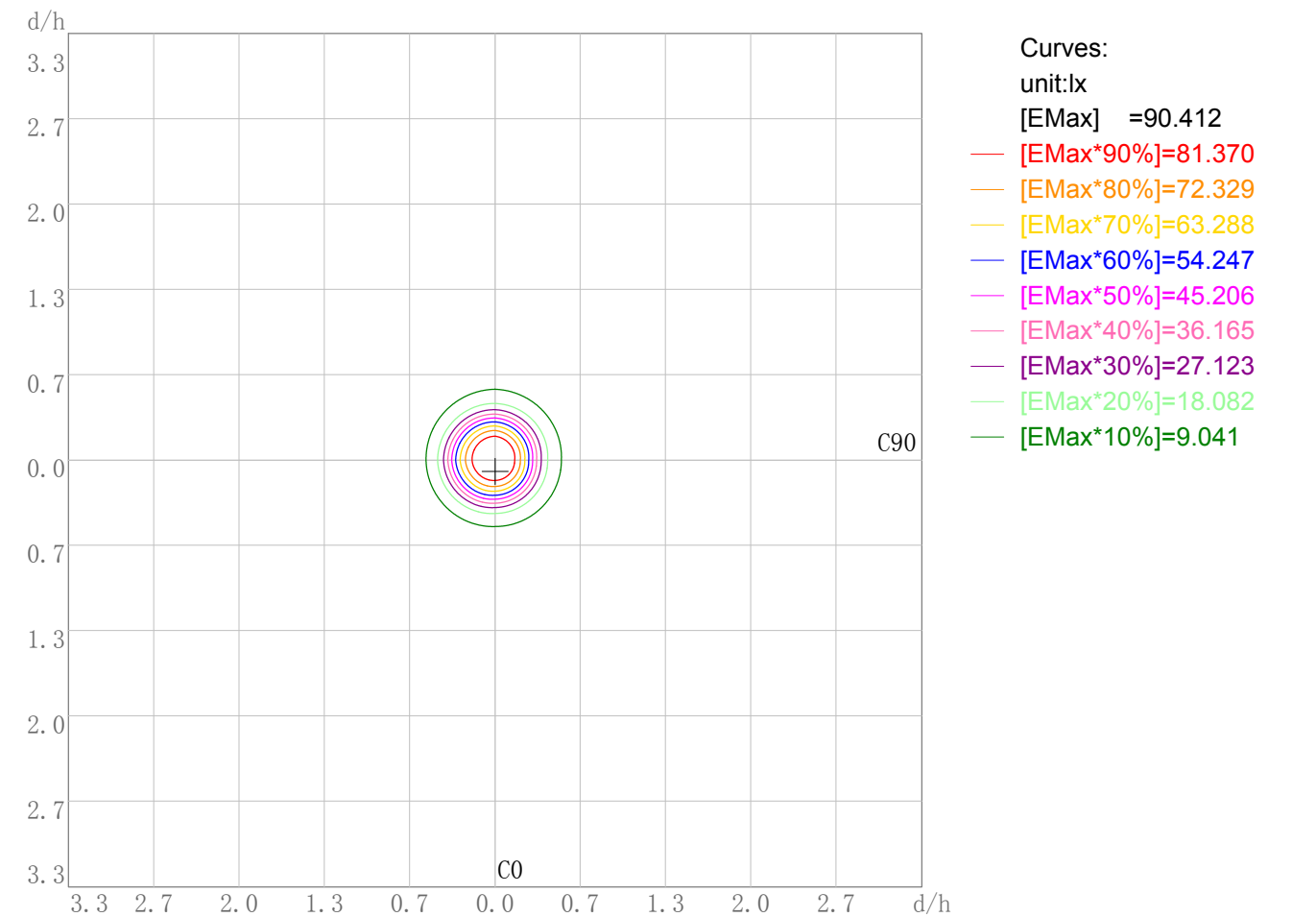
| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |



Plane ISO-Illuminance Diagram

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 90.41
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1

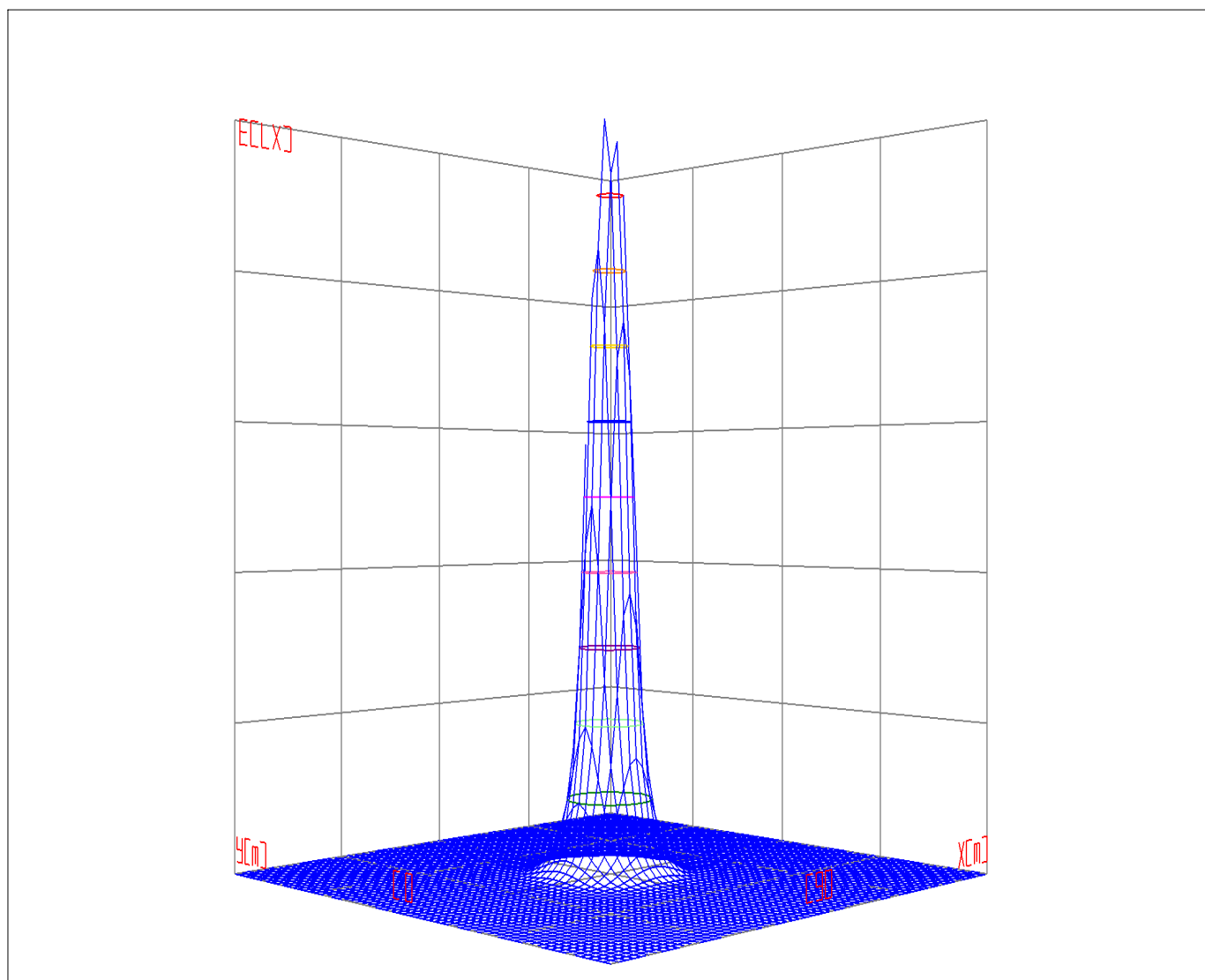
IES Indoor Report

Photometric Filename:SD09-06-DW-04 2000K-3000K RA95 36D.IES

3D Plane ISO Illuminance Diagram

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |

3D Plane Illuminance Modal

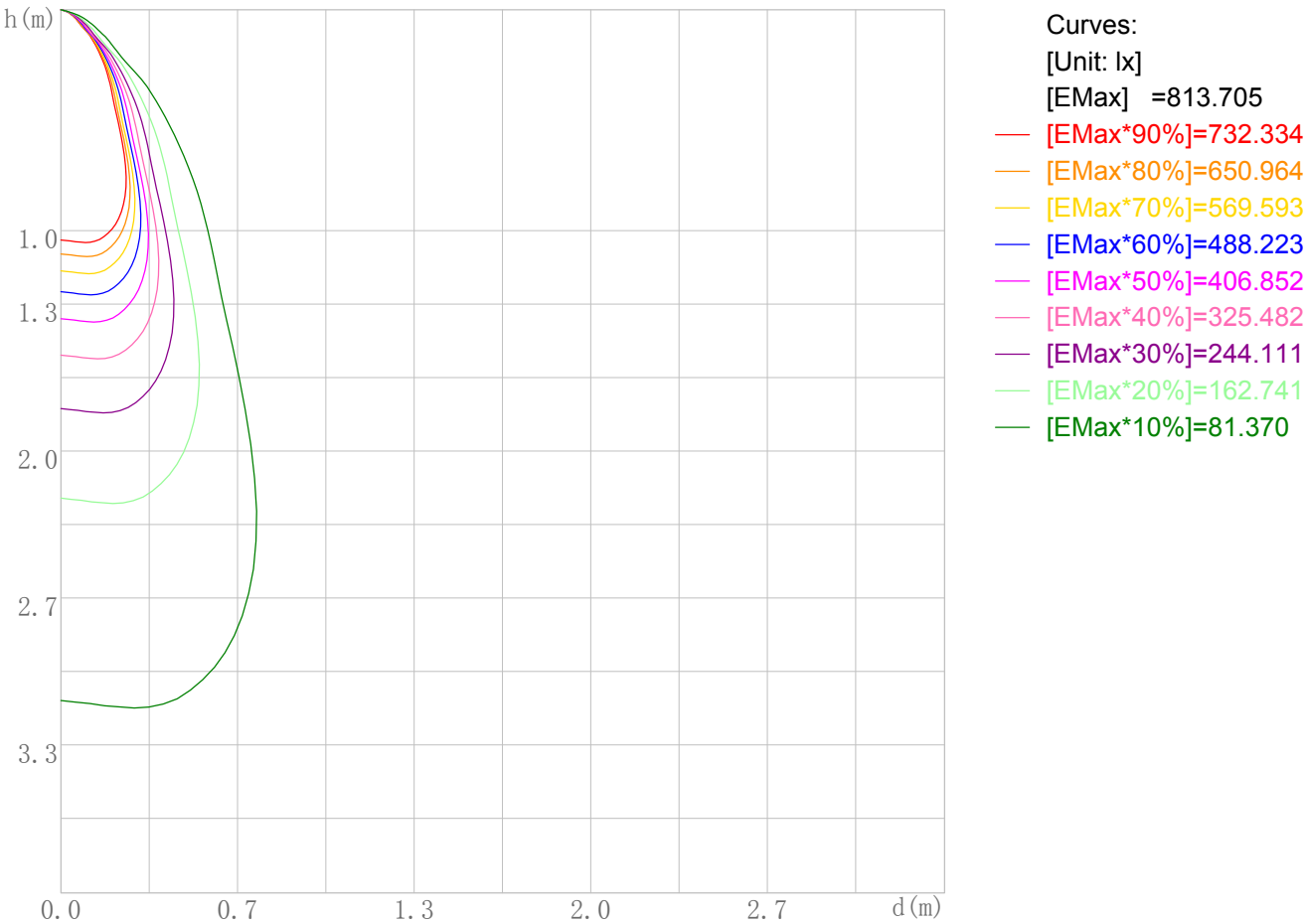


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |

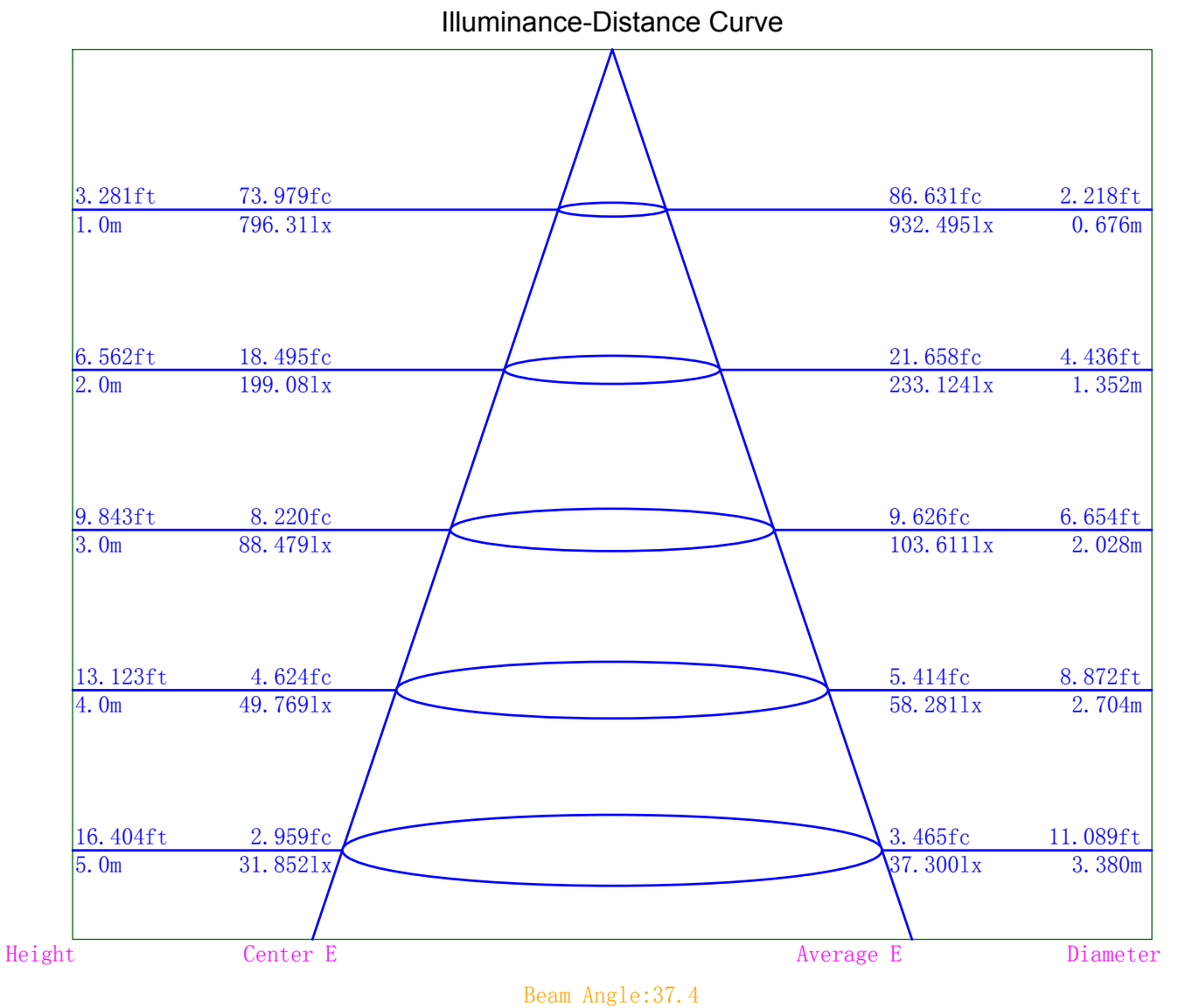
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:813.70lx,5.0deg
Plane Maximum Lighting Intensity and @Angle:825.201cd,0deg

Illuminance-Distance Diagram

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |



Indoor Luminance Limiting Curves

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |

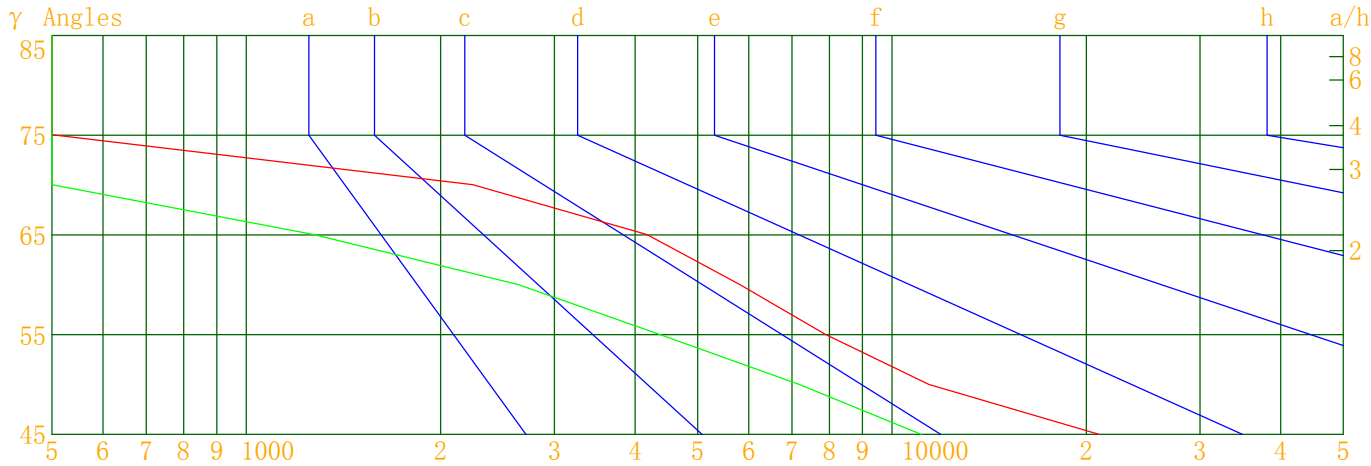
Glare Grade Table

| GI | Quality | Using Illuminance | | | | | | | |
|------|---------|-------------------|------|------|-------|-------|-------|-------|-------|
| 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 | 20924 | 11402 | 7894 | 5811 | 4175 | 2243 | 0 | 0 | 0 |
| C90 | 11094 | 7184 | 4367 | 2636 | 1273 | 0 | 0 | 0 | 0 |

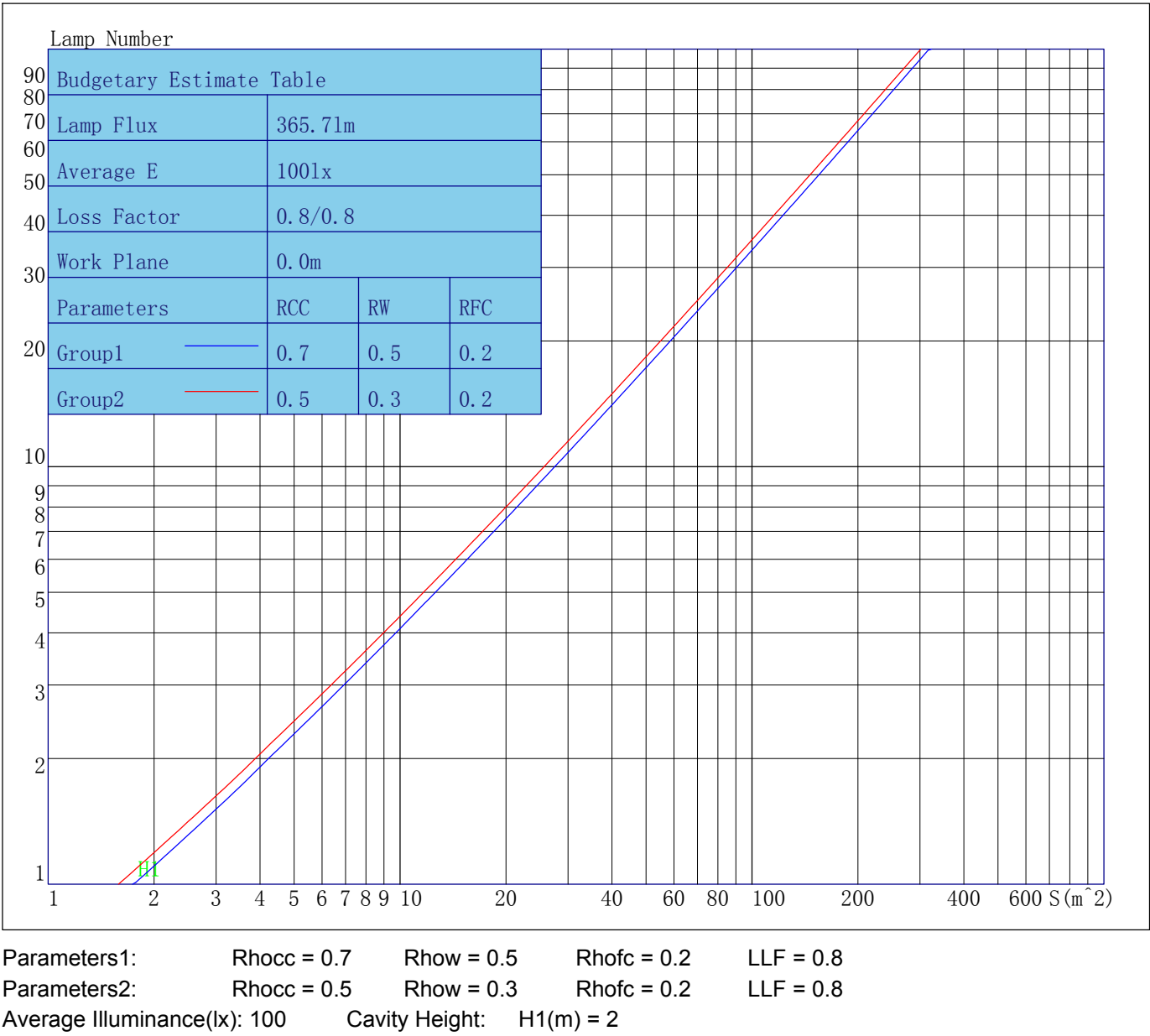
Luminance Limiting Curve



Luminous Size: Length(m)=-0.038 Width(m)=-0.038 Height(m)=0.000 Area(m^2)=0.001134
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |



Indoor Coefficient of Utilization Table

| | | |
|---|-----------------------|-----------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Deparment |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |

| 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 | 100 | 99 | 98 | 97 | 95 |
| 2 | 110 | 106 | 102 | 99 | 108 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 93 | 92 | 90 |
| 3 | 105 | 100 | 96 | 92 | 103 | 98 | 95 | 92 | 96 | 93 | 90 | 94 | 91 | 89 | 91 | 89 | 87 | 86 |
| 4 | 101 | 95 | 90 | 87 | 99 | 94 | 89 | 86 | 92 | 88 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 82 |
| 5 | 97 | 90 | 85 | 82 | 96 | 89 | 85 | 81 | 88 | 84 | 81 | 86 | 83 | 80 | 85 | 82 | 79 | 78 |
| 6 | 93 | 86 | 81 | 77 | 92 | 85 | 81 | 77 | 84 | 80 | 77 | 83 | 79 | 76 | 81 | 78 | 76 | 74 |
| 7 | 90 | 82 | 77 | 74 | 89 | 82 | 77 | 74 | 80 | 76 | 73 | 79 | 76 | 73 | 78 | 75 | 72 | 71 |
| 8 | 87 | 79 | 74 | 70 | 86 | 78 | 74 | 70 | 77 | 73 | 70 | 76 | 72 | 70 | 75 | 72 | 69 | 68 |
| 9 | 84 | 76 | 71 | 67 | 83 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 70 | 67 | 73 | 69 | 67 | 66 |
| 10 | 81 | 73 | 68 | 65 | 80 | 72 | 68 | 65 | 72 | 67 | 64 | 71 | 67 | 64 | 70 | 67 | 64 | 63 |

Unified Glare Rating Table

| | | |
|---|-----------------------|-----------------------------|
| Lum. Name: SD09-06-DW-04 2000K-3000K RA95 36D | Lum. Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Deparment |
| Manufacture: Shenzhen Norming Lighting Co., Ltd | Test Machine:GON-2000 | Test Date: 2021/11/11 |

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 | 17.1 | 18.0 | 17.4 | 18.4 | 18.7 | 15.1 | 16.1 | 15.5 | 16.4 | 16.7 |
| | 16.9 | 17.8 | 17.3 | 18.1 | 18.5 | 14.9 | 15.8 | 15.3 | 16.1 | 16.5 |
| | 16.8 | 17.6 | 17.2 | 18.0 | 18.4 | 14.8 | 15.6 | 15.2 | 16.0 | 16.3 |
| | 16.7 | 17.5 | 17.1 | 17.8 | 18.2 | 14.7 | 15.4 | 15.1 | 15.8 | 16.2 |
| | 16.6 | 17.4 | 17.1 | 17.7 | 18.2 | 14.6 | 15.3 | 15.0 | 15.7 | 16.1 |
| | 16.6 | 17.3 | 17.0 | 17.6 | 18.1 | 14.6 | 15.2 | 15.0 | 15.6 | 16.0 |
| X=4H Y=2H | 16.8 | 17.6 | 17.2 | 18.0 | 18.4 | 14.8 | 15.7 | 15.2 | 16.0 | 16.4 |
| | 16.7 | 17.4 | 17.1 | 17.8 | 18.2 | 14.6 | 15.3 | 15.0 | 15.7 | 16.1 |
| | 16.6 | 17.2 | 17.0 | 17.6 | 18.0 | 14.5 | 15.1 | 14.9 | 15.5 | 16.0 |
| | 16.4 | 17.0 | 16.9 | 17.4 | 17.9 | 14.4 | 14.9 | 14.8 | 15.4 | 15.8 |
| | 16.4 | 16.9 | 16.8 | 17.3 | 17.8 | 14.3 | 14.8 | 14.8 | 15.2 | 15.7 |
| | 16.3 | 16.7 | 16.8 | 17.2 | 17.7 | 14.2 | 14.7 | 14.7 | 15.2 | 15.6 |
| X=8H Y=4H | 16.4 | 16.9 | 16.8 | 17.3 | 17.8 | 14.3 | 14.8 | 14.8 | 15.3 | 15.7 |
| | 16.2 | 16.6 | 16.7 | 17.1 | 17.7 | 14.2 | 14.6 | 14.7 | 15.1 | 15.6 |
| | 16.2 | 16.5 | 16.7 | 17.0 | 17.5 | 14.1 | 14.5 | 14.6 | 15.0 | 15.5 |
| | 16.1 | 16.4 | 16.6 | 16.9 | 17.5 | 14.0 | 14.4 | 14.6 | 14.9 | 15.4 |
| X=12H Y=4H | 16.3 | 16.7 | 16.8 | 17.2 | 17.7 | 14.2 | 14.7 | 14.7 | 15.2 | 15.6 |
| | 16.2 | 16.5 | 16.7 | 17.0 | 17.5 | 14.1 | 14.5 | 14.6 | 14.9 | 15.5 |
| | 16.1 | 16.4 | 16.6 | 16.9 | 17.5 | 14.0 | 14.4 | 14.6 | 14.9 | 15.4 |
| Variations with the objverver position at spacings | | | | | | | | | | |
| S=1.0H | 0.0/0.0 | | | | | 0.0/0.0 | | | | |
| S=1.5H | 6.3/0.0 | | | | | 8.3/0.0 | | | | |
| S=2.0H | 4.9/0.0 | | | | | 7.4/0.0 | | | | |
| Reduced UGR Table: | | | | | | | | | | |
| Nordic Standard Table: | BK0 | | | | | BK0 | | | | |
| Correction Value | 0.1 | | | | | 0.0 | | | | |

o 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 | 796.31 | 796.31 | 796.31 | 796.31 |
| γ 1.0 | 800.42 | 799.52 | 800.62 | 788.69 |
| γ 2.0 | 804.83 | 806.90 | 803.35 | 789.18 |
| γ 3.0 | 811.79 | 814.84 | 807.54 | 789.47 |
| γ 4.0 | 817.27 | 816.05 | 808.74 | 789.83 |
| γ 5.0 | 823.07 | 813.28 | 808.49 | 789.84 |
| γ 6.0 | 825.20 | 804.40 | 803.20 | 792.39 |
| γ 7.0 | 822.70 | 791.24 | 794.20 | 792.68 |
| γ 8.0 | 815.85 | 772.67 | 778.58 | 791.58 |
| γ 9.0 | 802.23 | 750.24 | 759.46 | 784.46 |
| γ 10.0 | 784.34 | 723.47 | 736.41 | 772.64 |
| γ 11.0 | 763.06 | 693.59 | 710.10 | 753.08 |
| γ 12.0 | 737.26 | 658.12 | 679.42 | 731.52 |
| γ 13.0 | 706.59 | 617.72 | 644.35 | 706.27 |
| γ 14.0 | 671.09 | 571.53 | 604.17 | 677.02 |
| γ 15.0 | 630.70 | 524.76 | 558.62 | 645.58 |
| γ 16.0 | 587.82 | 475.53 | 510.68 | 608.87 |
| γ 17.0 | 539.02 | 425.25 | 461.42 | 566.22 |
| γ 18.0 | 488.08 | 374.99 | 410.77 | 518.67 |
| γ 19.0 | 433.50 | 326.86 | 359.24 | 465.76 |
| γ 20.0 | 379.53 | 283.21 | 309.04 | 409.86 |
| γ 21.0 | 327.88 | 244.68 | 263.03 | 354.96 |
| γ 22.0 | 281.90 | 213.09 | 224.46 | 304.34 |
| γ 23.0 | 242.59 | 187.44 | 193.90 | 259.28 |
| γ 24.0 | 209.80 | 166.68 | 169.86 | 221.36 |
| γ 25.0 | 184.49 | 149.02 | 150.91 | 188.28 |
| γ 26.0 | 164.49 | 133.89 | 134.81 | 161.71 |
| γ 27.0 | 148.20 | 120.39 | 120.93 | 141.08 |
| γ 28.0 | 134.29 | 108.35 | 108.52 | 124.47 |
| γ 29.0 | 121.44 | 97.28 | 97.44 | 110.47 |
| γ 30.0 | 110.00 | 87.17 | 87.14 | 98.10 |
| γ 31.0 | 99.75 | 77.54 | 77.42 | 87.49 |
| γ 32.0 | 90.09 | 68.92 | 68.21 | 77.90 |
| γ 33.0 | 81.23 | 61.10 | 59.89 | 69.42 |
| γ 34.0 | 72.59 | 54.23 | 52.55 | 61.55 |
| γ 35.0 | 64.76 | 48.03 | 45.98 | 53.86 |
| γ 36.0 | 57.71 | 42.51 | 40.22 | 47.51 |
| γ 37.0 | 51.60 | 37.41 | 35.14 | 41.90 |
| γ 38.0 | 45.93 | 32.92 | 30.54 | 37.01 |
| γ 39.0 | 41.01 | 28.87 | 26.65 | 32.74 |
| γ 40.0 | 36.41 | 25.29 | 23.19 | 28.90 |
| γ 41.0 | 32.26 | 21.46 | 20.25 | 25.58 |
| γ 42.0 | 28.52 | 16.61 | 17.30 | 22.63 |
| γ 43.0 | 25.28 | 12.62 | 13.11 | 20.08 |
| γ 44.0 | 21.43 | 10.34 | 9.78 | 17.95 |
| γ 45.0 | 16.78 | 8.90 | 8.13 | 15.74 |
| γ 46.0 | 13.34 | 7.85 | 7.08 | 12.52 |

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|--------|-------|-------|--------|--------|
| γ 47.0 | 11.44 | 7.04 | 6.28 | 10.23 |
| γ 48.0 | 10.15 | 6.33 | 5.68 | 8.98 |
| γ 49.0 | 9.17 | 5.75 | 5.19 | 8.11 |
| γ 50.0 | 8.31 | 5.24 | 4.80 | 7.44 |
| γ 51.0 | 7.62 | 4.74 | 4.45 | 6.89 |
| γ 52.0 | 7.04 | 4.14 | 4.09 | 6.40 |
| γ 53.0 | 6.48 | 3.55 | 3.64 | 5.99 |
| γ 54.0 | 5.92 | 3.15 | 3.10 | 5.59 |
| γ 55.0 | 5.14 | 2.84 | 2.79 | 5.17 |
| γ 56.0 | 4.62 | 2.57 | 2.54 | 4.58 |
| γ 57.0 | 4.20 | 2.31 | 2.33 | 4.10 |
| γ 58.0 | 3.88 | 2.03 | 2.14 | 3.76 |
| γ 59.0 | 3.57 | 1.74 | 1.92 | 3.48 |
| γ 60.0 | 3.30 | 1.50 | 1.70 | 3.25 |
| γ 61.0 | 2.96 | 1.31 | 1.49 | 3.03 |
| γ 62.0 | 2.64 | 1.12 | 1.34 | 2.75 |
| γ 63.0 | 2.40 | 0.95 | 1.18 | 2.50 |
| γ 64.0 | 2.19 | 0.80 | 1.05 | 2.30 |
| γ 65.0 | 2.00 | 0.61 | 0.91 | 2.11 |
| γ 66.0 | 1.81 | 0.41 | 0.75 | 1.94 |
| γ 67.0 | 1.61 | 0.15 | 0.57 | 1.78 |
| γ 68.0 | 1.40 | 0.00 | 0.32 | 1.61 |
| γ 69.0 | 1.15 | 0.00 | 0.08 | 1.43 |
| γ 70.0 | 0.87 | 0.00 | 0.00 | 1.20 |
| γ 71.0 | 0.59 | 0.00 | 0.00 | 0.92 |
| γ 72.0 | 0.36 | 0.00 | 0.00 | 0.65 |
| γ 73.0 | 0.15 | 0.00 | 0.00 | 0.41 |
| γ 74.0 | 0.00 | 0.00 | 0.00 | 0.19 |
| γ 75.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 76.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 77.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 78.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 79.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 80.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 81.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 82.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 83.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 84.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 85.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 86.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 87.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 88.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 89.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 90.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 91.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 92.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 93.0 | 0.00 | 0.00 | 0.00 | 0.00 |

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|---------|------|-------|--------|--------|
| γ 94.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 95.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 96.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 97.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 98.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 99.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 100.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 101.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 102.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 103.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 104.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 105.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 106.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 107.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 108.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 109.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 110.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 111.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 112.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 113.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 114.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 115.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 116.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 117.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 118.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 119.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 120.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 121.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 122.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 123.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 124.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 125.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 126.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 127.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 128.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 129.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 130.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 131.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 132.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 133.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 134.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 135.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 136.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 137.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 138.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 139.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 140.0 | 0.00 | 0.00 | 0.00 | 0.00 |

IES Indoor Report

Photometric Filename:SD09-06-DW-04 2000K-3000K RA95 36D.IES

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|---------|------|-------|--------|--------|
| γ 141.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 142.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 143.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 144.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 145.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 146.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 147.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 148.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 149.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 150.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 151.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 152.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 153.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 154.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 155.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 156.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 157.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 158.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 159.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 160.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 161.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 162.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 163.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 164.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 165.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 166.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 167.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 168.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 169.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 170.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 171.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 172.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 173.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 174.0 | 0.00 | 0.00 | 0.01 | 0.01 |
| γ 175.0 | 0.01 | 0.00 | 0.01 | 0.02 |
| γ 176.0 | 0.03 | 0.00 | 0.01 | 0.03 |
| γ 177.0 | 0.03 | 0.00 | 0.03 | 0.04 |
| γ 178.0 | 0.05 | 0.00 | 0.04 | 0.05 |
| γ 179.0 | 0.05 | 0.00 | 0.04 | 0.06 |
| γ 180.0 | 0.04 | 0.04 | 0.04 | 0.04 |