

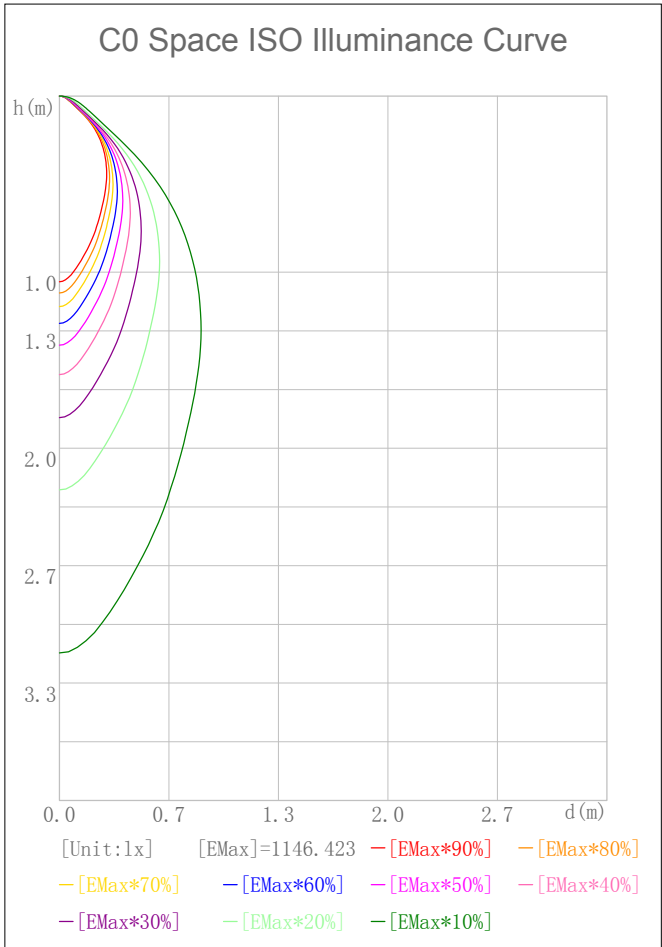
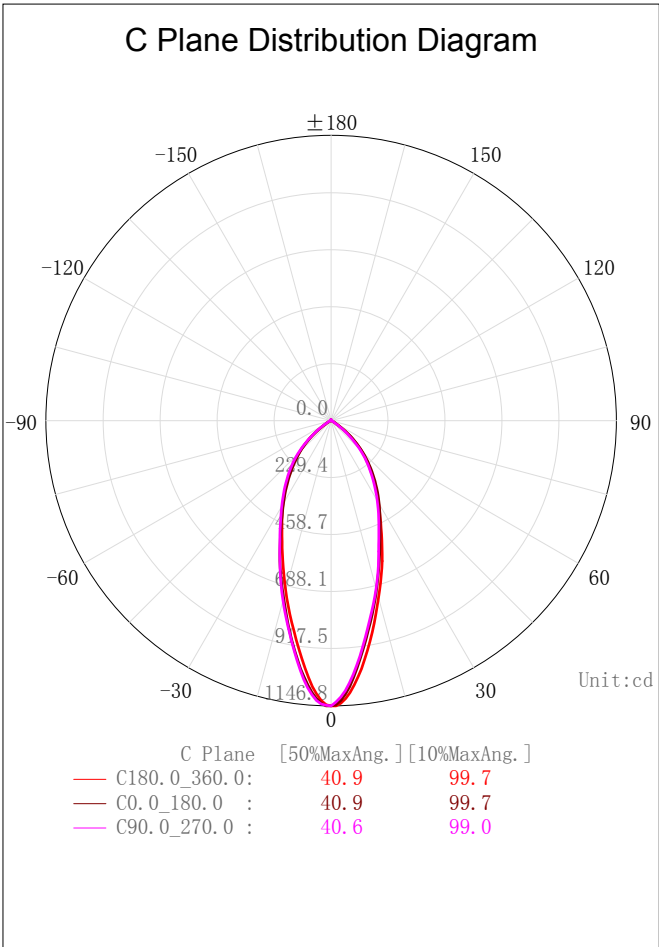
Indoor Luminaire Photometric Data

Description Information

|   |                         |                      |                       |
|---|-------------------------|----------------------|-----------------------|
| Luminary Name:DL44-10-XX-06 3000K RA40 40D    |                         | Lum. Catalog:        | Test ID: 01           |
| Lamp Name:                                    |                         | Lamp Catalog: LED    | Test Date: 2021/01/06 |
| 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):0.000m*0.000m*0.000m        |                         | Lum. Area (m2):0.000 | Lum. W (kg): 0.000    |
| Test System: C, γ                             | Test Step: C=90.0 γ=1.0 | Temp. (°C): 25       | Humidity(%):          |

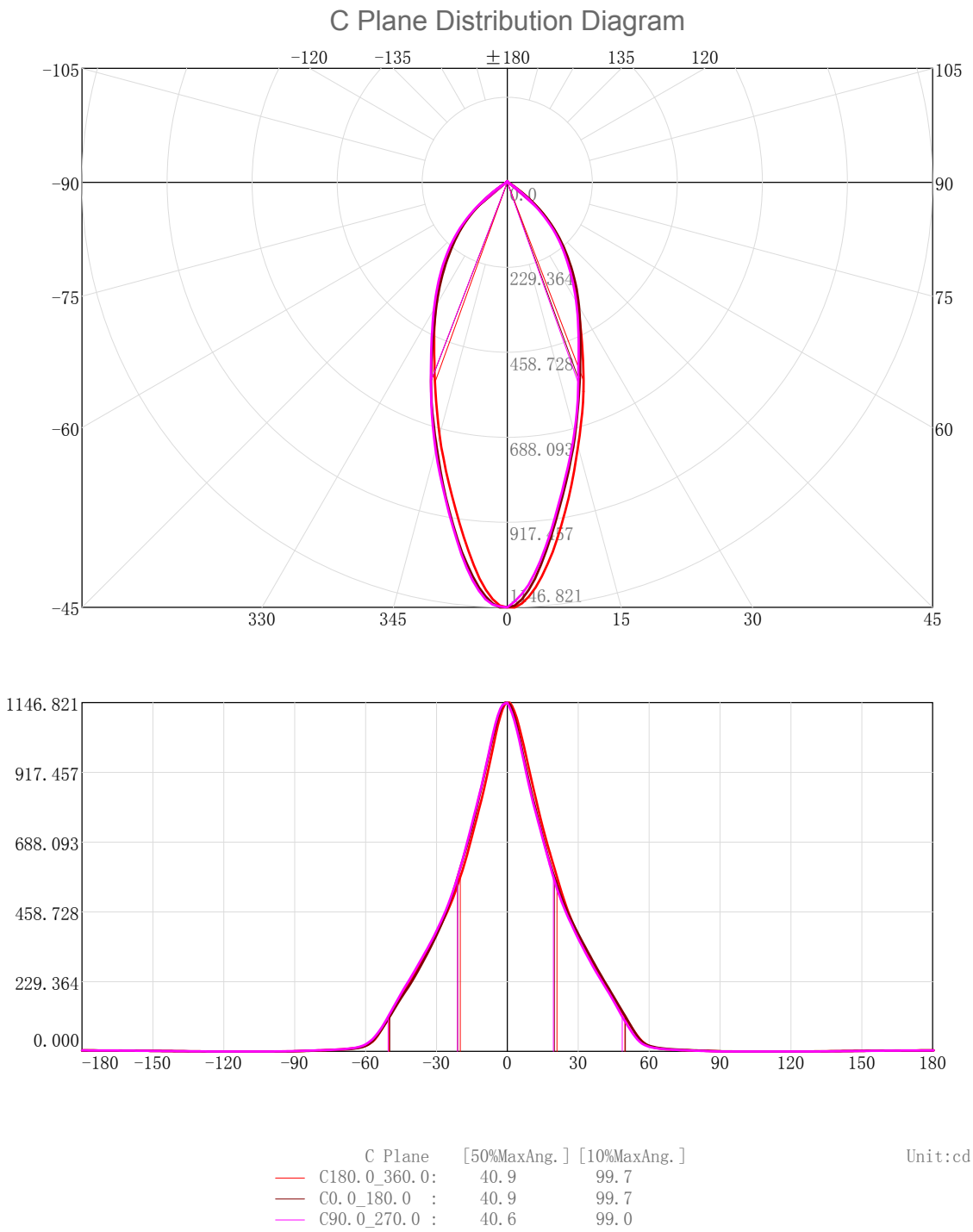
Character Parameter

| Lamp Speciality Parameter                       |                                  | Luminaire Speciality Parameter        |  |
|---|----------------------------------|---------------------------------------|--|
| Rated Flux(lm): 911.530                         | Luminary Flux(lm): 911.526       | Field Angle(10%Imax): 99.7(°)         |  |
| Rated Power(W):                                 | Luminary Efficiency: 100.00%     | Down Lumens&Percent: 907.712lm 99.58% |  |
| Rated Voltage(V):                               | Luminary EER(lm/W): 90.519       | Up Lumens&Percent: 3.814lm 0.42%      |  |
| Tested Power(W): 10.070                         | Max. Candela(cd): 1146.821       | S/MH: C0_a180=0.620 C90_270=0.620     |  |
| Lamps' Inside: 1                                | Max Cand@Ang. (°): C=180.0 γ=1.0 | CIE Type: Semi-Direct                 |  |
| Tested Electrics (V, A, pf):240.4, 0.045, 0.914 | Beam Angle(50%Imax): 40.9(°)     | ErP Φ use(90°): 779.008lm             |  |
| Lamp Size (W*L*H):0.000m*0.000m*0.000m          | Left=-19.9°, Right=21.0°         | IRF(%): 284.639                       |  |



2D Plane Light Intensity Distribution Curve

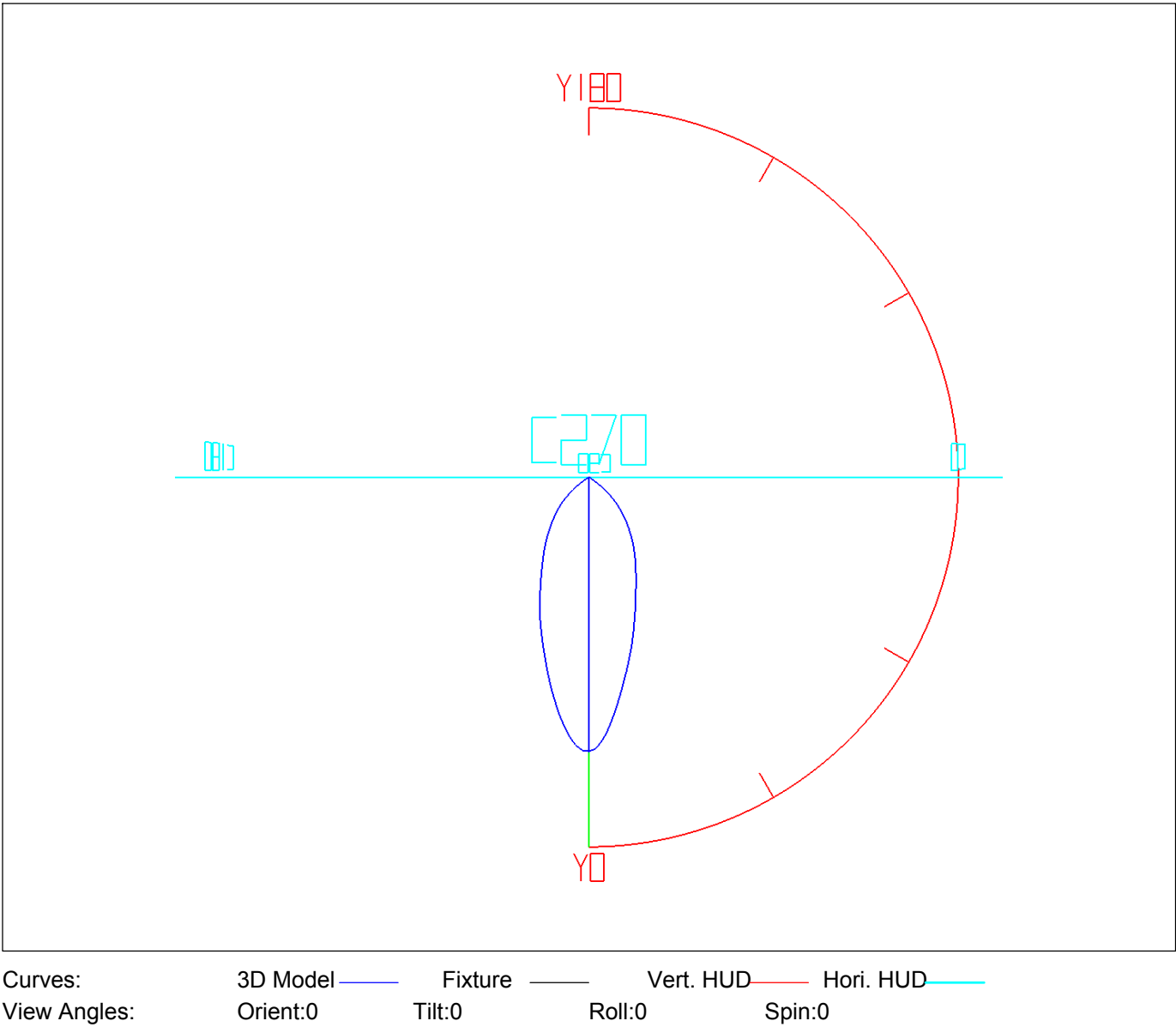
|   |                       |                              |
|---|-----------------------|------------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | Lum. Catalog:         | Test ID: 01                  |
| Lamp Name:                                    | Lamp Catalog: LED     | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/01/06        |



3D Light Intensity Distribution Modal

|   |                       |                             |
|---|-----------------------|-----------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06       |

3D Light Intensity Distribution Modal



IES Indoor Report

Photometric Filename:DL44-10-XX-06 3000K RA40 40D.IES

Zonal Flux Tabulation

| Zone(γ)   | Zone Flux<br>(lm) | Sums Flux<br>(lm) | Zone%Lamp | Sums%Lamp | Zone(γ)   | Zone Flux<br>(lm) | Sums Flux<br>(lm) | Zone%Lamp | Sums%Lamp |
|-----------|-------------------|-------------------|-----------|-----------|-----------|-------------------|-------------------|-----------|-----------|
| 0.0-1.0   | 1.09              | 1.09              | 0.12      | 0.12      | 47.0-48.0 | 11.66             | 820.64            | 1.28      | 90.03     |
| 1.0-2.0   | 3.26              | 4.35              | 0.36      | 0.48      | 48.0-49.0 | 10.74             | 831.38            | 1.18      | 91.21     |
| 2.0-3.0   | 5.35              | 9.70              | 0.59      | 1.06      | 49.0-50.0 | 9.78              | 841.16            | 1.07      | 92.28     |
| 3.0-4.0   | 7.33              | 17.03             | 0.80      | 1.87      | 50.0-51.0 | 8.79              | 849.95            | 0.96      | 93.24     |
| 4.0-5.0   | 9.18              | 26.21             | 1.01      | 2.88      | 51.0-52.0 | 7.81              | 857.76            | 0.86      | 94.10     |
| 5.0-6.0   | 10.87             | 37.09             | 1.19      | 4.07      | 52.0-53.0 | 6.83              | 864.59            | 0.75      | 94.85     |
| 6.0-7.0   | 12.42             | 49.51             | 1.36      | 5.43      | 53.0-54.0 | 5.87              | 870.46            | 0.64      | 95.49     |
| 7.0-8.0   | 13.82             | 63.32             | 1.52      | 6.95      | 54.0-55.0 | 4.96              | 875.42            | 0.54      | 96.04     |
| 8.0-9.0   | 15.07             | 78.39             | 1.65      | 8.60      | 55.0-56.0 | 4.13              | 879.54            | 0.45      | 96.49     |
| 9.0-10.0  | 16.20             | 94.59             | 1.78      | 10.38     | 56.0-57.0 | 3.40              | 882.95            | 0.37      | 96.86     |
| 10.0-11.0 | 17.22             | 111.81            | 1.89      | 12.27     | 57.0-58.0 | 2.81              | 885.75            | 0.31      | 97.17     |
| 11.0-12.0 | 18.13             | 129.93            | 1.99      | 14.25     | 58.0-59.0 | 2.33              | 888.09            | 0.26      | 97.43     |
| 12.0-13.0 | 18.93             | 148.86            | 2.08      | 16.33     | 59.0-60.0 | 1.96              | 890.05            | 0.22      | 97.64     |
| 13.0-14.0 | 19.64             | 168.50            | 2.15      | 18.49     | 60.0-61.0 | 1.68              | 891.73            | 0.18      | 97.83     |
| 14.0-15.0 | 20.24             | 188.74            | 2.22      | 20.71     | 61.0-62.0 | 1.47              | 893.20            | 0.16      | 97.99     |
| 15.0-16.0 | 20.74             | 209.48            | 2.27      | 22.98     | 62.0-63.0 | 1.30              | 894.49            | 0.14      | 98.13     |
| 16.0-17.0 | 21.14             | 230.62            | 2.32      | 25.30     | 63.0-64.0 | 1.16              | 895.66            | 0.13      | 98.26     |
| 17.0-18.0 | 21.46             | 252.07            | 2.35      | 27.65     | 64.0-65.0 | 1.05              | 896.71            | 0.12      | 98.37     |
| 18.0-19.0 | 21.68             | 273.76            | 2.38      | 30.03     | 65.0-66.0 | 0.96              | 897.66            | 0.10      | 98.48     |
| 19.0-20.0 | 21.83             | 295.59            | 2.39      | 32.43     | 66.0-67.0 | 0.87              | 898.54            | 0.10      | 98.57     |
| 20.0-21.0 | 21.91             | 317.49            | 2.40      | 34.83     | 67.0-68.0 | 0.80              | 899.34            | 0.09      | 98.66     |
| 21.0-22.0 | 21.94             | 339.43            | 2.41      | 37.24     | 68.0-69.0 | 0.74              | 900.08            | 0.08      | 98.74     |
| 22.0-23.0 | 21.93             | 361.36            | 2.41      | 39.64     | 69.0-70.0 | 0.69              | 900.77            | 0.08      | 98.82     |
| 23.0-24.0 | 21.90             | 383.25            | 2.40      | 42.05     | 70.0-71.0 | 0.64              | 901.42            | 0.07      | 98.89     |
| 24.0-25.0 | 21.84             | 405.10            | 2.40      | 44.44     | 71.0-72.0 | 0.60              | 902.02            | 0.07      | 98.96     |
| 25.0-26.0 | 21.76             | 426.86            | 2.39      | 46.83     | 72.0-73.0 | 0.56              | 902.58            | 0.06      | 99.02     |
| 26.0-27.0 | 21.64             | 448.50            | 2.37      | 49.20     | 73.0-74.0 | 0.53              | 903.11            | 0.06      | 99.08     |
| 27.0-28.0 | 21.50             | 470.00            | 2.36      | 51.56     | 74.0-75.0 | 0.50              | 903.61            | 0.05      | 99.13     |
| 28.0-29.0 | 21.34             | 491.34            | 2.34      | 53.90     | 75.0-76.0 | 0.47              | 904.08            | 0.05      | 99.18     |
| 29.0-30.0 | 21.15             | 512.49            | 2.32      | 56.22     | 76.0-77.0 | 0.44              | 904.52            | 0.05      | 99.23     |
| 30.0-31.0 | 20.93             | 533.42            | 2.30      | 58.52     | 77.0-78.0 | 0.41              | 904.94            | 0.05      | 99.28     |
| 31.0-32.0 | 20.67             | 554.09            | 2.27      | 60.79     | 78.0-79.0 | 0.38              | 905.32            | 0.04      | 99.32     |
| 32.0-33.0 | 20.38             | 574.47            | 2.24      | 63.02     | 79.0-80.0 | 0.36              | 905.68            | 0.04      | 99.36     |
| 33.0-34.0 | 20.04             | 594.51            | 2.20      | 65.22     | 80.0-81.0 | 0.33              | 906.01            | 0.04      | 99.39     |
| 34.0-35.0 | 19.67             | 614.18            | 2.16      | 67.38     | 81.0-82.0 | 0.30              | 906.31            | 0.03      | 99.43     |
| 35.0-36.0 | 19.25             | 633.43            | 2.11      | 69.49     | 82.0-83.0 | 0.27              | 906.58            | 0.03      | 99.46     |
| 36.0-37.0 | 18.81             | 652.24            | 2.06      | 71.55     | 83.0-84.0 | 0.25              | 906.82            | 0.03      | 99.48     |
| 37.0-38.0 | 18.33             | 670.57            | 2.01      | 73.57     | 84.0-85.0 | 0.22              | 907.04            | 0.02      | 99.51     |
| 38.0-39.0 | 17.83             | 688.40            | 1.96      | 75.52     | 85.0-86.0 | 0.19              | 907.23            | 0.02      | 99.53     |
| 39.0-40.0 | 17.30             | 705.70            | 1.90      | 77.42     | 86.0-87.0 | 0.16              | 907.40            | 0.02      | 99.55     |
| 40.0-41.0 | 16.74             | 722.44            | 1.84      | 79.26     | 87.0-88.0 | 0.13              | 907.53            | 0.01      | 99.56     |
| 41.0-42.0 | 16.15             | 738.59            | 1.77      | 81.03     | 88.0-89.0 | 0.10              | 907.64            | 0.01      | 99.57     |
| 42.0-43.0 | 15.53             | 754.12            | 1.70      | 82.73     | 89.0-90.0 | 0.08              | 907.71            | 0.01      | 99.58     |
| 43.0-44.0 | 14.85             | 768.97            | 1.63      | 84.36     | 90.0-91.0 | 0.06              | 907.77            | 0.01      | 99.59     |
| 44.0-45.0 | 14.13             | 783.10            | 1.55      | 85.91     | 91.0-92.0 | 0.04              | 907.81            | 0.00      | 99.59     |
| 45.0-46.0 | 13.36             | 796.45            | 1.47      | 87.38     | 92.0-93.0 | 0.03              | 907.84            | 0.00      | 99.60     |
| 46.0-47.0 | 12.53             | 808.98            | 1.37      | 88.75     | 93.0-94.0 | 0.03              | 907.87            | 0.00      | 99.60     |

IES Indoor Report

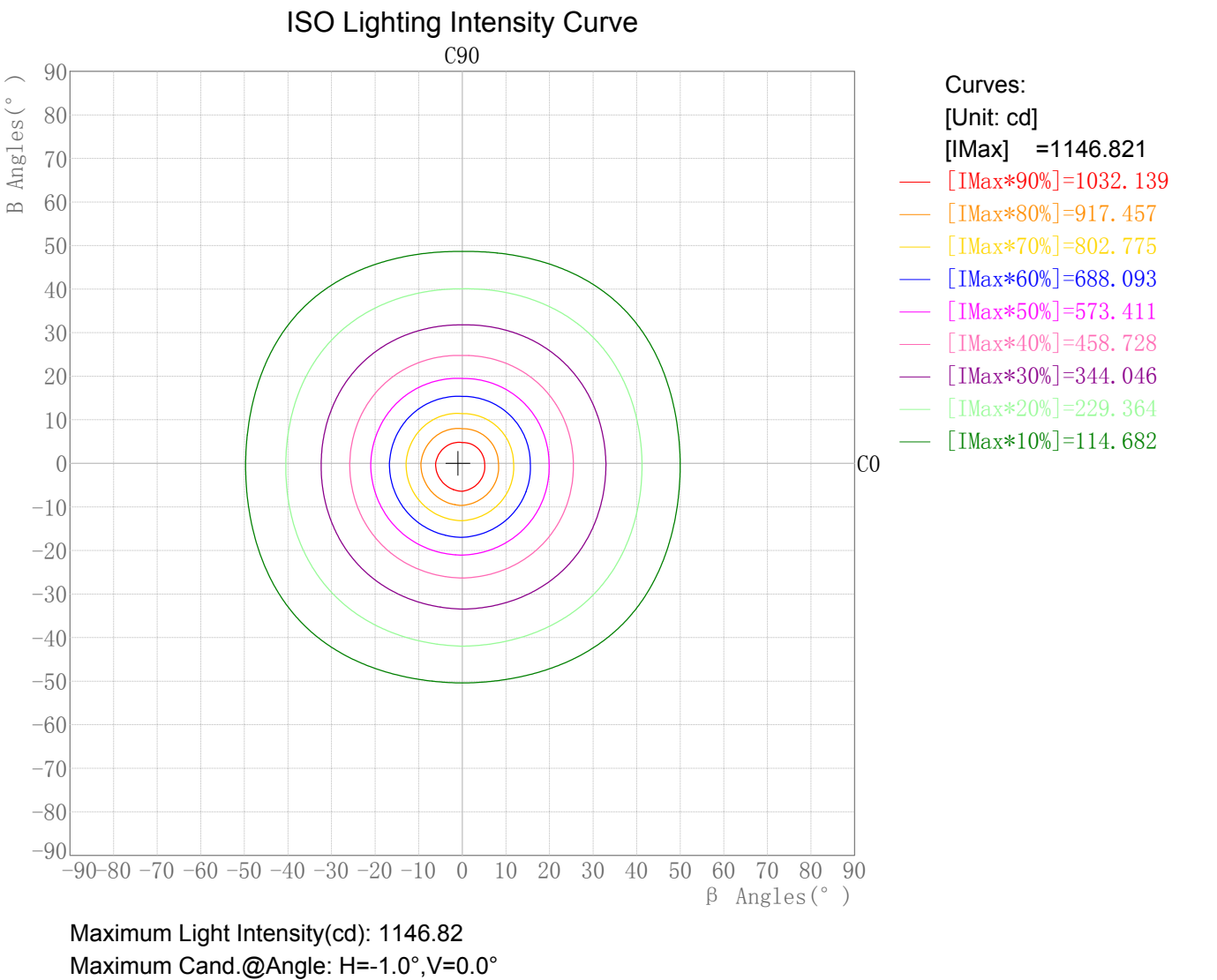
Photometric Filename:DL44-10-XX-06 3000K RA40 40D.IES

Zonal Flux Tabulation - (Cont.)

| Zone(γ)     | Zone Flux<br>(lm) | Sums Flux<br>(lm) | Zone%Lamp | Sums%Lamp | Zone(γ)     | Zone Flux<br>(lm) | Sums Flux<br>(lm) | Zone%Lamp | Sums%Lamp |
|-------------|-------------------|-------------------|-----------|-----------|-------------|-------------------|-------------------|-----------|-----------|
| 94.0-95.0   | 0.02              | 907.89            | 0.00      | 99.60     | 141.0-142.0 | 0.08              | 908.59            | 0.01      | 99.68     |
| 95.0-96.0   | 0.02              | 907.91            | 0.00      | 99.60     | 142.0-143.0 | 0.08              | 908.67            | 0.01      | 99.69     |
| 96.0-97.0   | 0.01              | 907.92            | 0.00      | 99.60     | 143.0-144.0 | 0.08              | 908.75            | 0.01      | 99.70     |
| 97.0-98.0   | 0.01              | 907.93            | 0.00      | 99.61     | 144.0-145.0 | 0.09              | 908.84            | 0.01      | 99.71     |
| 98.0-99.0   | 0.01              | 907.94            | 0.00      | 99.61     | 145.0-146.0 | 0.09              | 908.93            | 0.01      | 99.72     |
| 99.0-100.0  | 0.00              | 907.95            | 0.00      | 99.61     | 146.0-147.0 | 0.09              | 909.03            | 0.01      | 99.73     |
| 100.0-101.0 | 0.00              | 907.95            | 0.00      | 99.61     | 147.0-148.0 | 0.10              | 909.12            | 0.01      | 99.74     |
| 101.0-102.0 | 0.00              | 907.95            | 0.00      | 99.61     | 148.0-149.0 | 0.10              | 909.22            | 0.01      | 99.75     |
| 102.0-103.0 | 0.00              | 907.95            | 0.00      | 99.61     | 149.0-150.0 | 0.10              | 909.33            | 0.01      | 99.76     |
| 103.0-104.0 | 0.00              | 907.95            | 0.00      | 99.61     | 150.0-151.0 | 0.10              | 909.43            | 0.01      | 99.77     |
| 104.0-105.0 | 0.00              | 907.95            | 0.00      | 99.61     | 151.0-152.0 | 0.10              | 909.53            | 0.01      | 99.78     |
| 105.0-106.0 | 0.00              | 907.95            | 0.00      | 99.61     | 152.0-153.0 | 0.11              | 909.64            | 0.01      | 99.79     |
| 106.0-107.0 | 0.00              | 907.95            | 0.00      | 99.61     | 153.0-154.0 | 0.11              | 909.75            | 0.01      | 99.80     |
| 107.0-108.0 | 0.00              | 907.95            | 0.00      | 99.61     | 154.0-155.0 | 0.11              | 909.85            | 0.01      | 99.82     |
| 108.0-109.0 | 0.00              | 907.95            | 0.00      | 99.61     | 155.0-156.0 | 0.11              | 909.96            | 0.01      | 99.83     |
| 109.0-110.0 | 0.00              | 907.95            | 0.00      | 99.61     | 156.0-157.0 | 0.11              | 910.06            | 0.01      | 99.84     |
| 110.0-111.0 | 0.00              | 907.95            | 0.00      | 99.61     | 157.0-158.0 | 0.10              | 910.17            | 0.01      | 99.85     |
| 111.0-112.0 | 0.00              | 907.95            | 0.00      | 99.61     | 158.0-159.0 | 0.10              | 910.27            | 0.01      | 99.86     |
| 112.0-113.0 | 0.00              | 907.95            | 0.00      | 99.61     | 159.0-160.0 | 0.10              | 910.37            | 0.01      | 99.87     |
| 113.0-114.0 | 0.00              | 907.95            | 0.00      | 99.61     | 160.0-161.0 | 0.10              | 910.47            | 0.01      | 99.88     |
| 114.0-115.0 | 0.00              | 907.95            | 0.00      | 99.61     | 161.0-162.0 | 0.10              | 910.57            | 0.01      | 99.89     |
| 115.0-116.0 | 0.00              | 907.95            | 0.00      | 99.61     | 162.0-163.0 | 0.09              | 910.66            | 0.01      | 99.90     |
| 116.0-117.0 | 0.00              | 907.95            | 0.00      | 99.61     | 163.0-164.0 | 0.09              | 910.75            | 0.01      | 99.91     |
| 117.0-118.0 | 0.00              | 907.95            | 0.00      | 99.61     | 164.0-165.0 | 0.09              | 910.84            | 0.01      | 99.92     |
| 118.0-119.0 | 0.00              | 907.95            | 0.00      | 99.61     | 165.0-166.0 | 0.08              | 910.92            | 0.01      | 99.93     |
| 119.0-120.0 | 0.00              | 907.95            | 0.00      | 99.61     | 166.0-167.0 | 0.08              | 911.00            | 0.01      | 99.94     |
| 120.0-121.0 | 0.00              | 907.95            | 0.00      | 99.61     | 167.0-168.0 | 0.07              | 911.08            | 0.01      | 99.95     |
| 121.0-122.0 | 0.00              | 907.95            | 0.00      | 99.61     | 168.0-169.0 | 0.07              | 911.15            | 0.01      | 99.96     |
| 122.0-123.0 | 0.00              | 907.95            | 0.00      | 99.61     | 169.0-170.0 | 0.06              | 911.21            | 0.01      | 99.96     |
| 123.0-124.0 | 0.00              | 907.95            | 0.00      | 99.61     | 170.0-171.0 | 0.06              | 911.27            | 0.01      | 99.97     |
| 124.0-125.0 | 0.00              | 907.95            | 0.00      | 99.61     | 171.0-172.0 | 0.05              | 911.32            | 0.01      | 99.98     |
| 125.0-126.0 | 0.00              | 907.96            | 0.00      | 99.61     | 172.0-173.0 | 0.05              | 911.37            | 0.01      | 99.98     |
| 126.0-127.0 | 0.00              | 907.96            | 0.00      | 99.61     | 173.0-174.0 | 0.04              | 911.41            | 0.00      | 99.99     |
| 127.0-128.0 | 0.01              | 907.97            | 0.00      | 99.61     | 174.0-175.0 | 0.04              | 911.44            | 0.00      | 99.99     |
| 128.0-129.0 | 0.01              | 907.98            | 0.00      | 99.61     | 175.0-176.0 | 0.03              | 911.47            | 0.00      | 99.99     |
| 129.0-130.0 | 0.02              | 908.00            | 0.00      | 99.61     | 176.0-177.0 | 0.02              | 911.50            | 0.00      | 100.00    |
| 130.0-131.0 | 0.02              | 908.02            | 0.00      | 99.61     | 177.0-178.0 | 0.02              | 911.51            | 0.00      | 100.00    |
| 131.0-132.0 | 0.03              | 908.04            | 0.00      | 99.62     | 178.0-179.0 | 0.01              | 911.52            | 0.00      | 100.00    |
| 132.0-133.0 | 0.03              | 908.07            | 0.00      | 99.62     | 179.0-180.0 | 0.00              | 911.53            | 0.00      | 100.00    |
| 133.0-134.0 | 0.04              | 908.11            | 0.00      | 99.62     |             |                   |                   |           |           |
| 134.0-135.0 | 0.04              | 908.15            | 0.00      | 99.63     |             |                   |                   |           |           |
| 135.0-136.0 | 0.05              | 908.20            | 0.01      | 99.63     |             |                   |                   |           |           |
| 136.0-137.0 | 0.05              | 908.25            | 0.01      | 99.64     |             |                   |                   |           |           |
| 137.0-138.0 | 0.06              | 908.31            | 0.01      | 99.65     |             |                   |                   |           |           |
| 138.0-139.0 | 0.06              | 908.37            | 0.01      | 99.65     |             |                   |                   |           |           |
| 139.0-140.0 | 0.07              | 908.44            | 0.01      | 99.66     |             |                   |                   |           |           |
| 140.0-141.0 | 0.07              | 908.51            | 0.01      | 99.67     |             |                   |                   |           |           |

Rectangle ISO Lighting Intensity Diagram

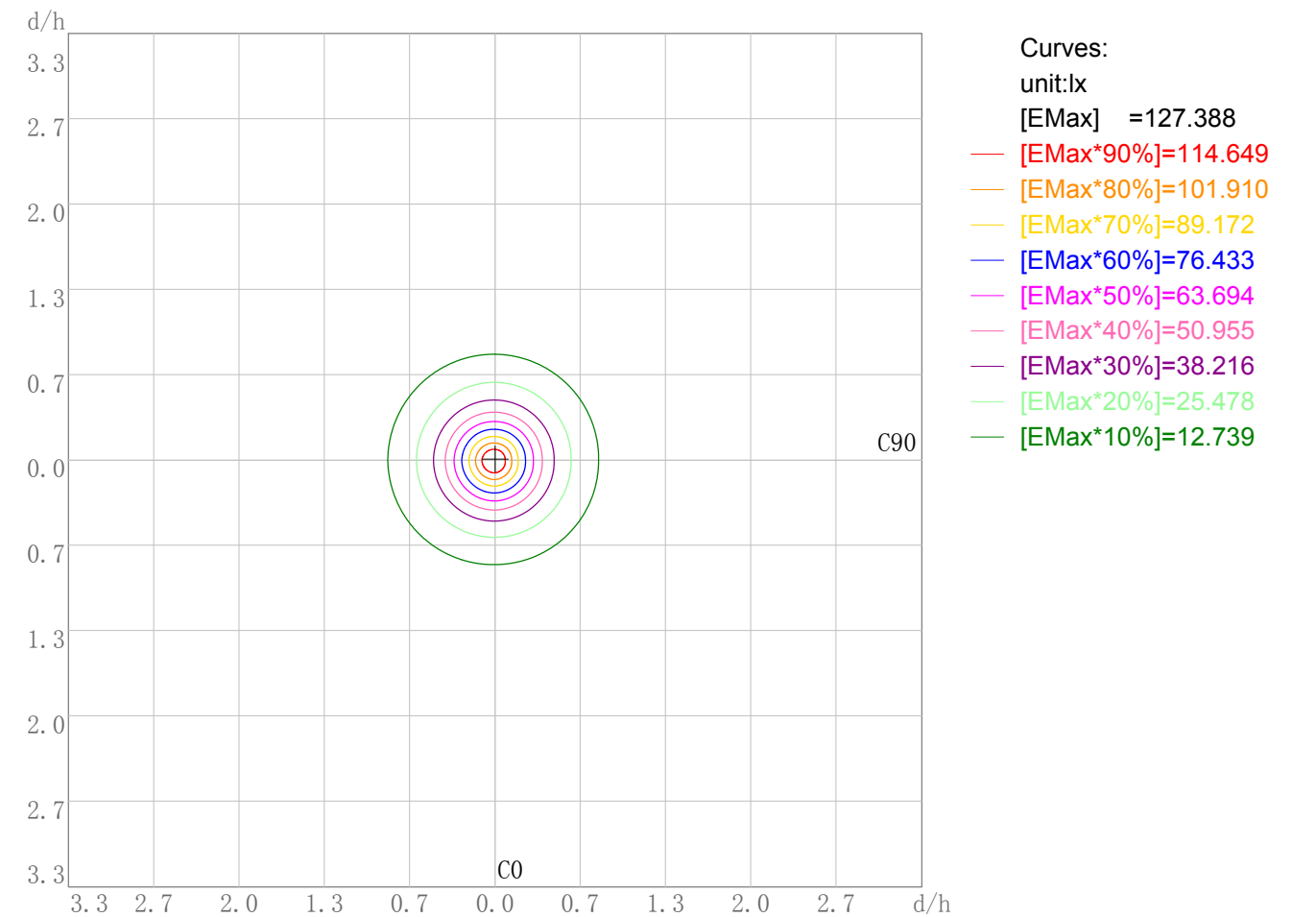
|   |                       |                              |
|---|-----------------------|------------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | Lum. Catalog:         | Test ID: 01                  |
| Lamp Name:                                    | Lamp Catalog: LED     | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/01/06        |



Plane ISO-Illuminance Diagram

|   |                       |                              |
|---|-----------------------|------------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06        |

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 127.39  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

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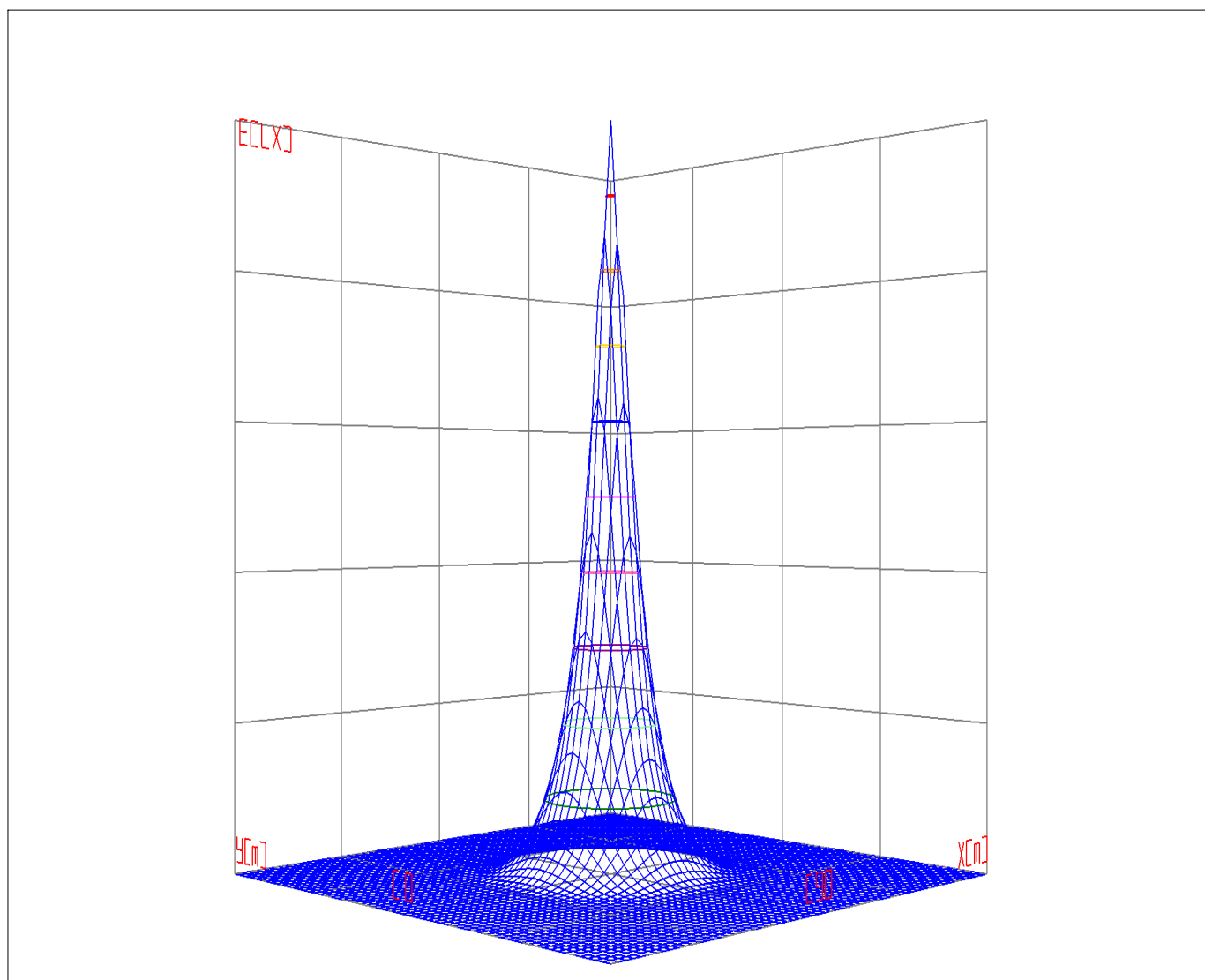
# IES Indoor Report

Photometric Filename:DL44-10-XX-06 3000K RA40 40D.IES

## 3D Plane ISO Illuminance Diagram

|   |                       |                              |
|---|-----------------------|------------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06        |

## 3D Plane Illuminance Modal



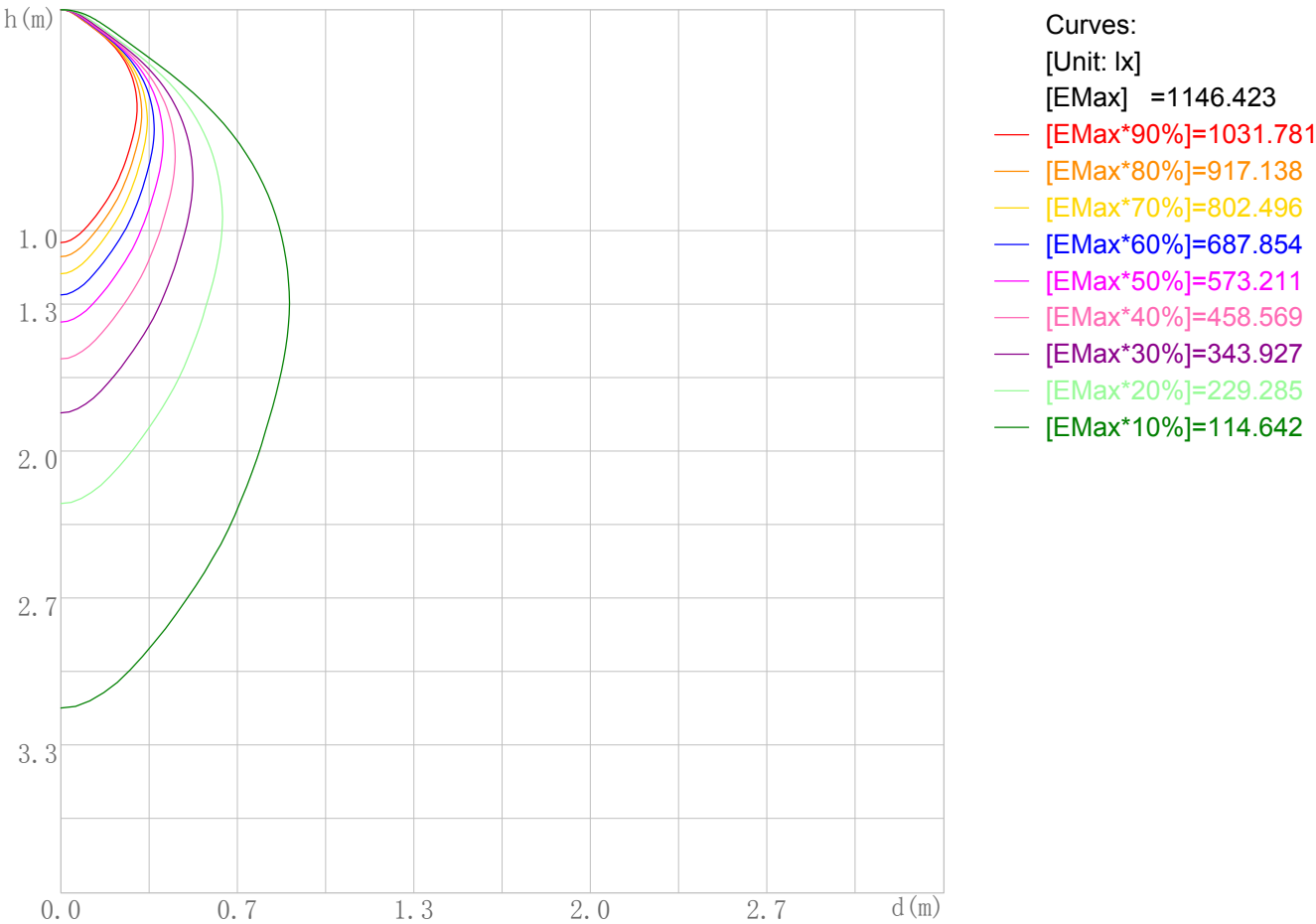
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0



Space ISO Illuminance Diagram

|   |                       |                             |
|---|-----------------------|-----------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06       |

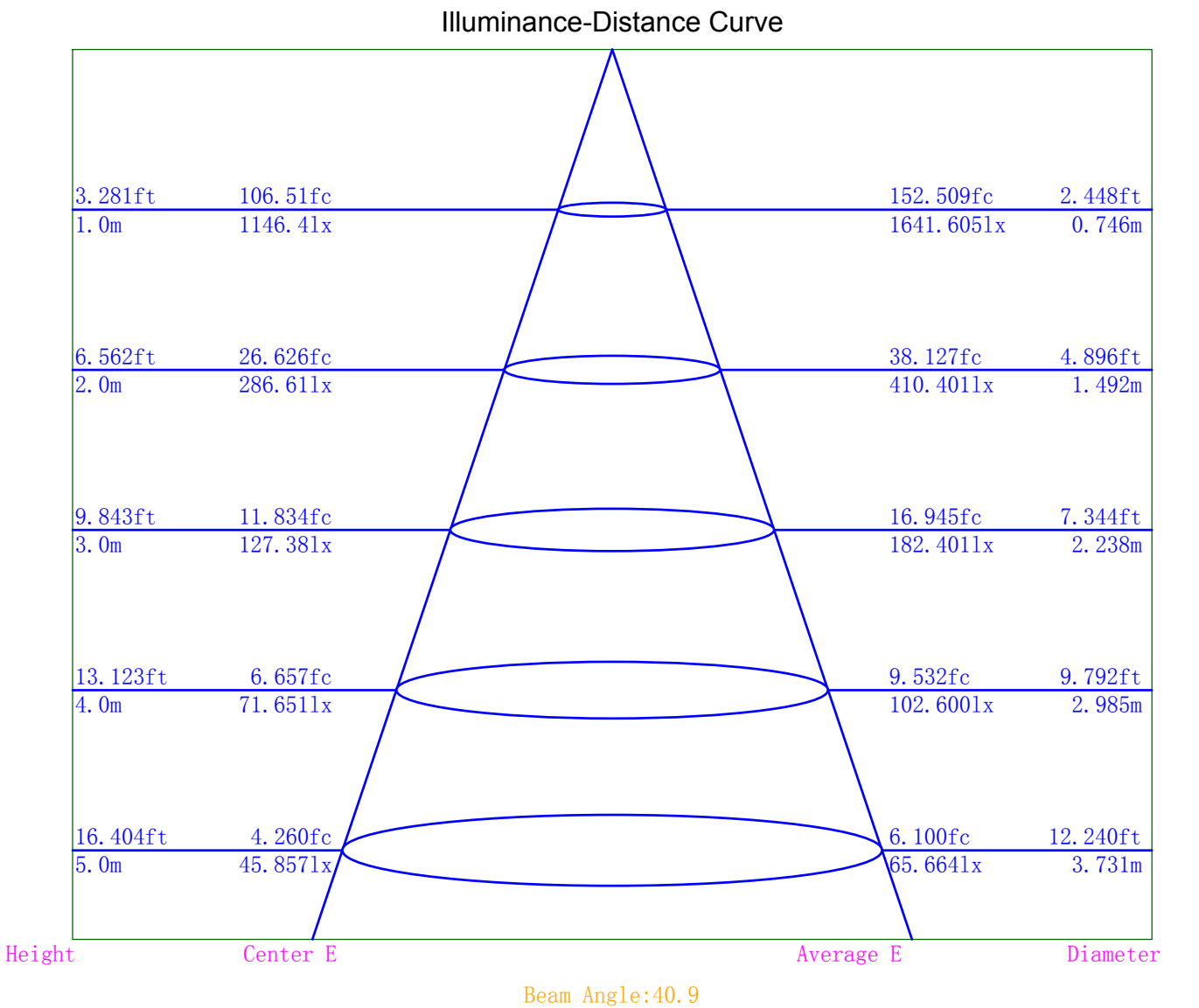
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1146.42lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:1146.423cd,0deg

Illuminance-Distance Diagram

|   |                       |                             |
|---|-----------------------|-----------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06       |



Indoor Luminance Limiting Curves

|   |                       |                              |
|---|-----------------------|------------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06        |

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        | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| C90       | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

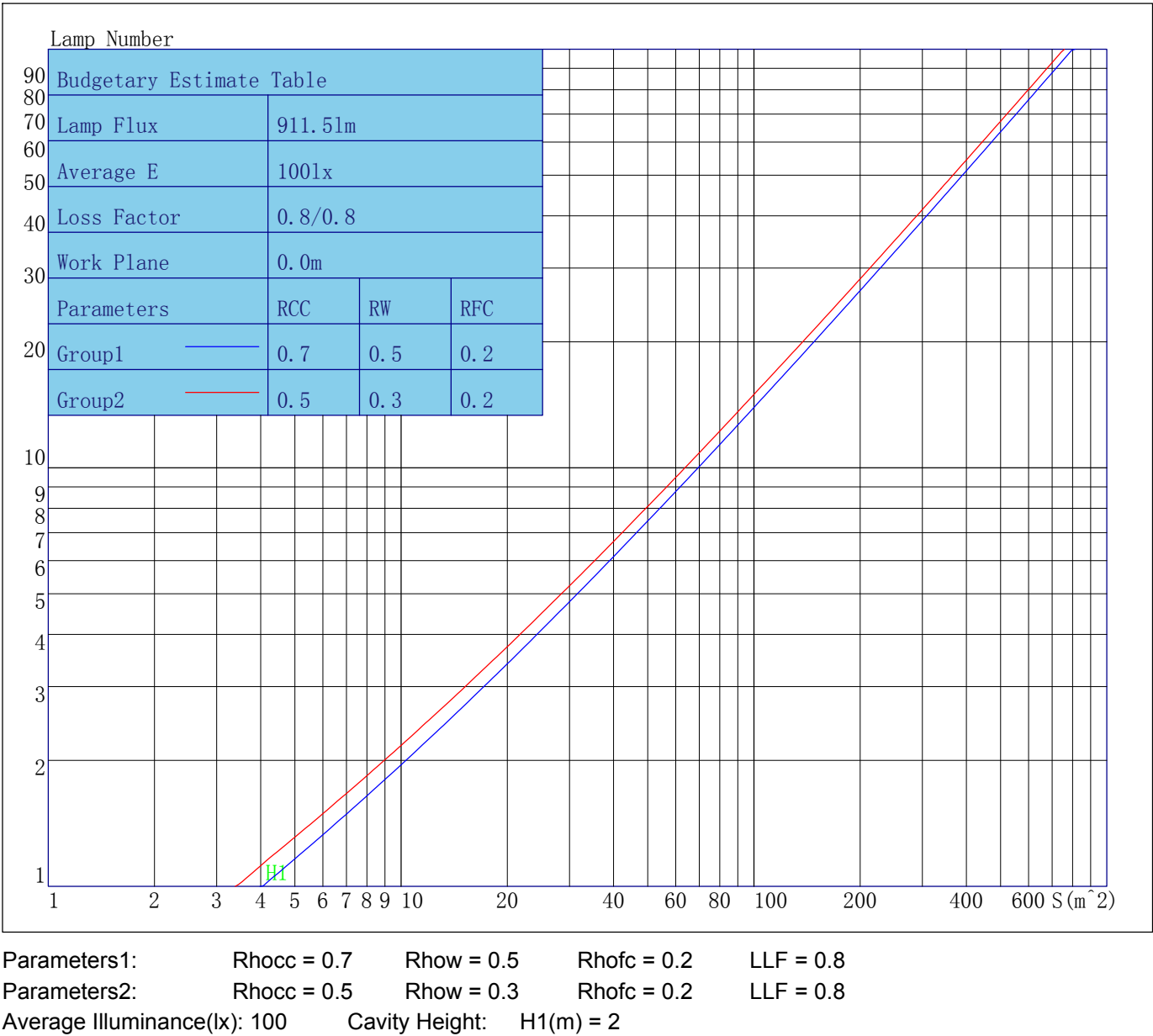
Luminance Limiting Curve



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: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06        |



Indoor Coefficient of Utilization Table

|   |                       |                             |
|---|-----------------------|-----------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06       |

| 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   | 113   | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 91  |
| 2   | 106   | 101 | 96  | 92  | 104 | 99  | 95  | 91  | 95  | 92  | 89  | 92  | 90  | 87  | 90  | 87  | 85  | 83  |
| 3   | 100   | 93  | 87  | 83  | 98  | 91  | 86  | 82  | 88  | 84  | 80  | 86  | 82  | 79  | 83  | 80  | 78  | 76  |
| 4   | 94  | 85  | 79  | 75  | 92  | 84  | 79  | 74  | 82  | 77  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 70  |
| 5   | 89  | 79  | 73  | 68  | 87  | 78  | 72  | 67  | 76  | 71  | 67  | 74  | 70  | 66  | 73  | 69  | 66  | 64  |
| 6   | 83  | 74  | 67  | 62  | 82  | 73  | 66  | 62  | 71  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 59  |
| 7   | 79  | 69  | 62  | 57  | 77  | 68  | 62  | 57  | 66  | 61  | 57  | 65  | 60  | 56  | 64  | 59  | 56  | 54  |
| 8   | 75  | 64  | 58  | 53  | 73  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 52  | 60  | 56  | 52  | 51  |
| 9   | 71  | 60  | 54  | 49  | 70  | 60  | 53  | 49  | 59  | 53  | 49  | 58  | 52  | 49  | 57  | 52  | 49  | 47  |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 54  | 49  | 45  | 44  |

Unified Glare Rating Table

|   |                       |                             |
|---|-----------------------|-----------------------------|
| Lum. Name: DL44-10-XX-06 3000K RA40 40D       | 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: 2021/01/06       |

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                                      | -1.5            | -0.3 | -1.1 | 0.0  | 0.4  | -1.5          | -0.3 | -1.1 | 0.0  | 0.4  |      |
|   | Y=3H            | -1.6 | -0.6 | -1.2 | -0.3 | 0.1           | -1.6 | -0.6 | -1.2 | -0.3 | 0.1  |
|   | Y=4H            | -1.7 | -0.8 | -1.3 | -0.4 | 0.0           | -1.7 | -0.8 | -1.3 | -0.4 | 0.0  |
|   | Y=6H            | -1.8 | -0.9 | -1.4 | -0.5 | -0.1          | -1.8 | -0.9 | -1.4 | -0.5 | -0.1 |
|   | Y=8H            | -1.9 | -1.0 | -1.4 | -0.6 | -0.2          | -1.9 | -1.0 | -1.4 | -0.6 | -0.2 |
|   | Y=12H           | -1.9 | -1.1 | -1.5 | -0.7 | -0.3          | -1.9 | -1.1 | -1.5 | -0.7 | -0.3 |
| X=4H    Y=2H                                      | -1.7            | -0.8 | -1.3 | -0.4 | 0.0  | -1.7          | -0.8 | -1.3 | -0.4 | 0.0  |      |
|   | Y=3H            | -1.9 | -1.1 | -1.5 | -0.7 | -0.3          | -1.9 | -1.1 | -1.5 | -0.7 | -0.3 |
|   | Y=4H            | -2.0 | -1.3 | -1.6 | -0.9 | -0.4          | -2.0 | -1.3 | -1.6 | -0.9 | -0.4 |
|   | Y=6H            | -2.1 | -1.5 | -1.6 | -1.0 | -0.6          | -2.1 | -1.5 | -1.6 | -1.0 | -0.6 |
|   | Y=8H            | -2.2 | -1.6 | -1.7 | -1.1 | -0.7          | -2.2 | -1.6 | -1.7 | -1.1 | -0.7 |
|   | Y=12H           | -2.2 | -1.7 | -1.7 | -1.2 | -0.7          | -2.2 | -1.7 | -1.7 | -1.2 | -0.7 |
| X=8H    Y=4H                                      | -2.2            | -1.6 | -1.7 | -1.1 | -0.7 | -2.2          | -1.6 | -1.7 | -1.1 | -0.7 |      |
|   | Y=6H            | -2.3 | -1.8 | -1.8 | -1.3 | -0.8          | -2.3 | -1.8 | -1.8 | -1.3 | -0.8 |
|   | Y=8H            | -2.3 | -1.9 | -1.8 | -1.4 | -0.9          | -2.3 | -1.9 | -1.8 | -1.4 | -0.9 |
|   | Y=12H           | -2.4 | -2.0 | -1.9 | -1.5 | -0.9          | -2.4 | -2.0 | -1.9 | -1.5 | -0.9 |
| X=12H    Y=4H                                     | -2.2            | -1.7 | -1.7 | -1.2 | -0.7 | -2.2          | -1.7 | -1.7 | -1.2 | -0.7 |      |
|   | Y=6H            | -2.3 | -1.9 | -1.8 | -1.5 | -0.9          | -2.3 | -1.9 | -1.8 | -1.5 | -0.9 |
|   | Y=8H            | -2.4 | -2.0 | -1.9 | -1.5 | -0.9          | -2.4 | -2.0 | -1.9 | -1.5 | -0.9 |
| 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:                            | BK0             |      |      |      |      | BK0           |      |      |      |      |      |
| Correction Value                                  | 0.0             |      |      |      |      | 0.0           |      |      |      |      |      |

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

IES Indoor Report

Photometric Filename:DL44-10-XX-06 3000K RA40 40D.IES

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Candela Tabulation

| V/H    | C0.0    | C90.0   | C180.0  | C270.0  |
|--------|---------|---------|---------|---------|
| γ 0.0  | 1146.42 | 1146.42 | 1146.42 | 1146.42 |
| γ 1.0  | 1141.91 | 1130.99 | 1146.82 | 1144.29 |
| γ 2.0  | 1125.35 | 1111.81 | 1136.20 | 1139.78 |
| γ 3.0  | 1100.95 | 1087.67 | 1118.52 | 1126.45 |
| γ 4.0  | 1071.69 | 1057.16 | 1095.62 | 1104.26 |
| γ 5.0  | 1036.51 | 1024.23 | 1067.26 | 1077.57 |
| γ 6.0  | 999.99  | 988.35  | 1035.91 | 1046.15 |
| γ 7.0  | 963.52  | 953.42  | 1004.63 | 1011.99 |
| γ 8.0  | 927.98  | 915.75  | 969.60  | 975.51  |
| γ 9.0  | 892.43  | 880.53  | 934.82  | 940.44  |
| γ 10.0 | 858.38  | 847.43  | 900.63  | 905.75  |
| γ 11.0 | 826.41  | 815.28  | 866.68  | 871.42  |
| γ 12.0 | 795.48  | 785.41  | 832.91  | 839.05  |
| γ 13.0 | 764.36  | 756.27  | 799.73  | 807.89  |
| γ 14.0 | 735.75  | 727.93  | 767.39  | 777.98  |
| γ 15.0 | 705.66  | 698.73  | 736.89  | 747.08  |
| γ 16.0 | 676.59  | 670.14  | 708.41  | 716.92  |
| γ 17.0 | 647.50  | 642.43  | 679.99  | 687.61  |
| γ 18.0 | 620.92  | 614.84  | 653.49  | 658.30  |
| γ 19.0 | 595.14  | 586.61  | 627.18  | 629.11  |
| γ 20.0 | 571.19  | 559.87  | 600.29  | 600.99  |
| γ 21.0 | 547.80  | 534.84  | 573.71  | 574.90  |
| γ 22.0 | 524.73  | 513.18  | 547.48  | 549.79  |
| γ 23.0 | 504.26  | 491.81  | 522.19  | 526.71  |
| γ 24.0 | 485.14  | 472.73  | 498.47  | 504.83  |
| γ 25.0 | 466.92  | 454.33  | 476.17  | 484.08  |
| γ 26.0 | 449.69  | 436.56  | 454.85  | 464.76  |
| γ 27.0 | 432.94  | 419.55  | 434.34  | 445.80  |
| γ 28.0 | 417.14  | 403.14  | 415.54  | 428.29  |
| γ 29.0 | 401.57  | 386.81  | 398.24  | 411.82  |
| γ 30.0 | 386.67  | 370.98  | 381.45  | 395.76  |
| γ 31.0 | 371.75  | 355.92  | 365.61  | 379.99  |
| γ 32.0 | 357.38  | 340.73  | 349.79  | 364.92  |
| γ 33.0 | 343.26  | 325.73  | 334.36  | 350.63  |
| γ 34.0 | 328.43  | 311.26  | 319.48  | 336.20  |
| γ 35.0 | 313.97  | 296.75  | 304.80  | 322.27  |
| γ 36.0 | 299.85  | 282.35  | 290.07  | 308.40  |
| γ 37.0 | 286.03  | 268.84  | 276.20  | 294.92  |
| γ 38.0 | 272.15  | 255.60  | 261.99  | 281.47  |
| γ 39.0 | 258.98  | 242.82  | 248.53  | 268.01  |
| γ 40.0 | 245.62  | 230.26  | 235.45  | 254.74  |
| γ 41.0 | 232.25  | 217.60  | 222.79  | 241.63  |
| γ 42.0 | 219.26  | 205.08  | 210.46  | 228.97  |
| γ 43.0 | 206.13  | 191.96  | 198.73  | 215.98  |
| γ 44.0 | 192.76  | 178.64  | 186.66  | 203.03  |
| γ 45.0 | 179.77  | 165.05  | 174.78  | 189.61  |
| γ 46.0 | 166.74  | 151.21  | 162.78  | 176.09  |

Candela Tabulation - (Cont.)

| V/H    | C0.0   | C90.0  | C180.0 | C270.0 |
|--------|--------|--------|--------|--------|
| γ 47.0 | 153.77 | 137.18 | 150.18 | 162.29 |
| γ 48.0 | 140.85 | 123.26 | 137.40 | 148.51 |
| γ 49.0 | 127.76 | 109.67 | 124.11 | 134.40 |
| γ 50.0 | 114.47 | 96.48  | 110.84 | 120.40 |
| γ 51.0 | 101.03 | 83.70  | 98.02  | 106.53 |
| γ 52.0 | 87.75  | 71.50  | 85.92  | 93.23  |
| γ 53.0 | 74.61  | 59.84  | 74.29  | 80.70  |
| γ 54.0 | 61.89  | 49.21  | 63.06  | 69.19  |
| γ 55.0 | 50.22  | 39.91  | 52.31  | 58.72  |
| γ 56.0 | 40.40  | 32.12  | 42.50  | 49.19  |
| γ 57.0 | 32.64  | 26.03  | 34.05  | 40.86  |
| γ 58.0 | 26.75  | 21.46  | 27.19  | 33.78  |
| γ 59.0 | 22.43  | 18.02  | 21.91  | 27.92  |
| γ 60.0 | 19.21  | 15.49  | 17.97  | 23.25  |
| γ 61.0 | 16.79  | 13.52  | 15.14  | 19.59  |
| γ 62.0 | 14.84  | 11.98  | 13.03  | 16.78  |
| γ 63.0 | 13.26  | 10.76  | 11.46  | 14.60  |
| γ 64.0 | 11.92  | 9.68   | 10.21  | 12.87  |
| γ 65.0 | 10.82  | 8.76   | 9.15   | 11.45  |
| γ 66.0 | 9.86   | 7.98   | 8.25   | 10.32  |
| γ 67.0 | 9.05   | 7.27   | 7.47   | 9.35   |
| γ 68.0 | 8.34   | 6.67   | 6.82   | 8.51   |
| γ 69.0 | 7.73   | 6.14   | 6.24   | 7.82   |
| γ 70.0 | 7.19   | 5.66   | 5.72   | 7.22   |
| γ 71.0 | 6.72   | 5.24   | 5.28   | 6.70   |
| γ 72.0 | 6.28   | 4.86   | 4.92   | 6.26   |
| γ 73.0 | 5.89   | 4.51   | 4.57   | 5.87   |
| γ 74.0 | 5.53   | 4.20   | 4.29   | 5.53   |
| γ 75.0 | 5.17   | 3.89   | 4.02   | 5.20   |
| γ 76.0 | 4.82   | 3.60   | 3.76   | 4.92   |
| γ 77.0 | 4.49   | 3.30   | 3.54   | 4.65   |
| γ 78.0 | 4.14   | 3.02   | 3.31   | 4.39   |
| γ 79.0 | 3.84   | 2.73   | 3.07   | 4.13   |
| γ 80.0 | 3.53   | 2.44   | 2.85   | 3.87   |
| γ 81.0 | 3.23   | 2.17   | 2.62   | 3.61   |
| γ 82.0 | 2.93   | 1.88   | 2.38   | 3.36   |
| γ 83.0 | 2.63   | 1.61   | 2.17   | 3.11   |
| γ 84.0 | 2.36   | 1.37   | 1.93   | 2.83   |
| γ 85.0 | 2.11   | 1.13   | 1.71   | 2.58   |
| γ 86.0 | 1.81   | 0.86   | 1.50   | 2.36   |
| γ 87.0 | 1.54   | 0.58   | 1.26   | 2.12   |
| γ 88.0 | 1.22   | 0.27   | 1.00   | 1.86   |
| γ 89.0 | 0.89   | 0.02   | 0.71   | 1.54   |
| γ 90.0 | 0.70   | 0.00   | 0.40   | 1.24   |
| γ 91.0 | 0.61   | 0.00   | 0.16   | 0.94   |
| γ 92.0 | 0.49   | 0.00   | 0.09   | 0.79   |
| γ 93.0 | 0.40   | 0.00   | 0.01   | 0.69   |



Candela Tabulation - (Cont.)

| V/H     | C0.0 | C90.0 | C180.0 | C270.0 |
|---------|------|-------|--------|--------|
| γ 94.0  | 0.31 | 0.00  | 0.00   | 0.59   |
| γ 95.0  | 0.24 | 0.00  | 0.00   | 0.50   |
| γ 96.0  | 0.16 | 0.00  | 0.00   | 0.41   |
| γ 97.0  | 0.09 | 0.00  | 0.00   | 0.34   |
| γ 98.0  | 0.03 | 0.00  | 0.00   | 0.27   |
| γ 99.0  | 0.00 | 0.00  | 0.00   | 0.20   |
| γ 100.0 | 0.00 | 0.00  | 0.00   | 0.13   |
| γ 101.0 | 0.00 | 0.00  | 0.00   | 0.09   |
| γ 102.0 | 0.00 | 0.00  | 0.00   | 0.03   |
| 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   | 0.04   |
| γ 125.0 | 0.00 | 0.00  | 0.00   | 0.09   |
| γ 126.0 | 0.01 | 0.00  | 0.00   | 0.13   |
| γ 127.0 | 0.06 | 0.00  | 0.03   | 0.19   |
| γ 128.0 | 0.12 | 0.00  | 0.09   | 0.24   |
| γ 129.0 | 0.17 | 0.00  | 0.16   | 0.30   |
| γ 130.0 | 0.23 | 0.03  | 0.23   | 0.35   |
| γ 131.0 | 0.30 | 0.09  | 0.30   | 0.41   |
| γ 132.0 | 0.37 | 0.17  | 0.38   | 0.48   |
| γ 133.0 | 0.44 | 0.25  | 0.45   | 0.55   |
| γ 134.0 | 0.51 | 0.33  | 0.53   | 0.61   |
| γ 135.0 | 0.60 | 0.41  | 0.62   | 0.69   |
| γ 136.0 | 0.67 | 0.49  | 0.70   | 0.77   |
| γ 137.0 | 0.76 | 0.57  | 0.78   | 0.84   |
| γ 138.0 | 0.83 | 0.66  | 0.87   | 0.92   |
| γ 139.0 | 0.92 | 0.76  | 0.95   | 1.00   |
| γ 140.0 | 1.00 | 0.85  | 1.04   | 1.08   |

Candela Tabulation - (Cont.)

| V/H     | C0.0 | C90.0 | C180.0 | C270.0 |
|---------|------|-------|--------|--------|
| γ 141.0 | 1.09 | 0.94  | 1.13   | 1.15   |
| γ 142.0 | 1.17 | 1.02  | 1.22   | 1.25   |
| γ 143.0 | 1.26 | 1.12  | 1.30   | 1.33   |
| γ 144.0 | 1.35 | 1.21  | 1.40   | 1.40   |
| γ 145.0 | 1.44 | 1.29  | 1.49   | 1.50   |
| γ 146.0 | 1.52 | 1.38  | 1.58   | 1.58   |
| γ 147.0 | 1.62 | 1.48  | 1.69   | 1.66   |
| γ 148.0 | 1.70 | 1.57  | 1.78   | 1.74   |
| γ 149.0 | 1.80 | 1.66  | 1.86   | 1.83   |
| γ 150.0 | 1.89 | 1.75  | 1.95   | 1.92   |
| γ 151.0 | 1.98 | 1.83  | 2.04   | 1.98   |
| γ 152.0 | 2.05 | 1.93  | 2.13   | 2.07   |
| γ 153.0 | 2.14 | 2.01  | 2.21   | 2.16   |
| γ 154.0 | 2.22 | 2.09  | 2.29   | 2.23   |
| γ 155.0 | 2.31 | 2.17  | 2.38   | 2.30   |
| γ 156.0 | 2.38 | 2.24  | 2.46   | 2.37   |
| γ 157.0 | 2.49 | 2.31  | 2.53   | 2.45   |
| γ 158.0 | 2.57 | 2.39  | 2.60   | 2.53   |
| γ 159.0 | 2.65 | 2.46  | 2.68   | 2.59   |
| γ 160.0 | 2.73 | 2.54  | 2.77   | 2.66   |
| γ 161.0 | 2.81 | 2.61  | 2.88   | 2.71   |
| γ 162.0 | 2.87 | 2.68  | 2.93   | 2.78   |
| γ 163.0 | 2.95 | 2.74  | 3.00   | 2.84   |
| γ 164.0 | 3.00 | 2.81  | 3.07   | 2.91   |
| γ 165.0 | 3.05 | 2.87  | 3.12   | 2.96   |
| γ 166.0 | 3.10 | 2.93  | 3.17   | 3.01   |
| γ 167.0 | 3.16 | 2.99  | 3.21   | 3.06   |
| γ 168.0 | 3.17 | 3.03  | 3.26   | 3.11   |
| γ 169.0 | 3.23 | 3.08  | 3.30   | 3.14   |
| γ 170.0 | 3.25 | 3.13  | 3.29   | 3.19   |
| γ 171.0 | 3.29 | 3.17  | 3.33   | 3.22   |
| γ 172.0 | 3.33 | 3.20  | 3.35   | 3.27   |
| γ 173.0 | 3.36 | 3.24  | 3.37   | 3.29   |
| γ 174.0 | 3.39 | 3.26  | 3.41   | 3.33   |
| γ 175.0 | 3.41 | 3.30  | 3.41   | 3.36   |
| γ 176.0 | 3.44 | 3.33  | 3.44   | 3.39   |
| γ 177.0 | 3.46 | 3.35  | 3.46   | 3.39   |
| γ 178.0 | 3.48 | 3.37  | 3.47   | 3.42   |
| γ 179.0 | 3.49 | 3.37  | 3.48   | 3.44   |
| γ 180.0 | 3.46 | 3.46  | 3.46   | 3.46   |