

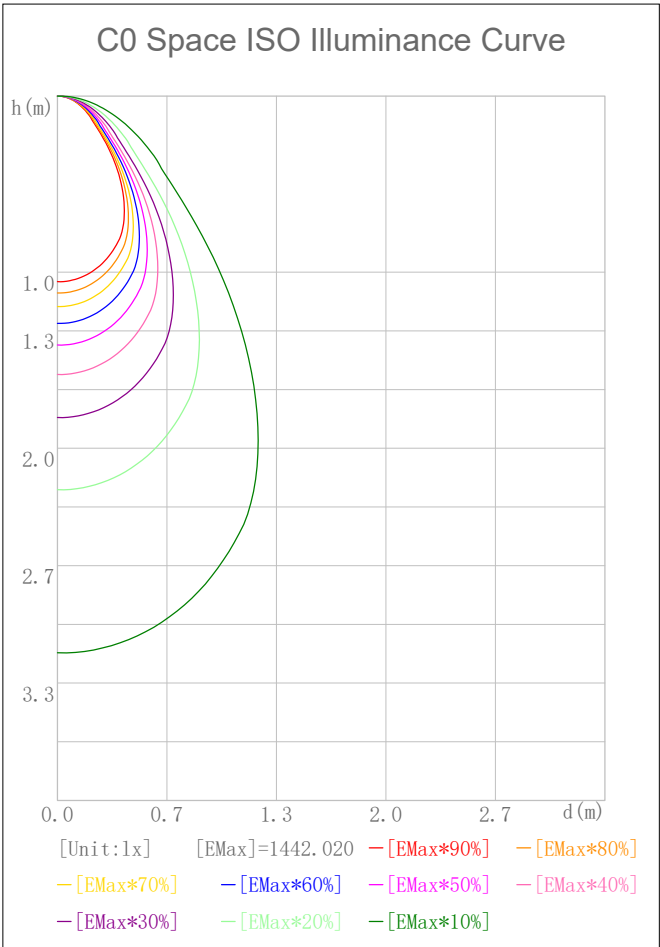
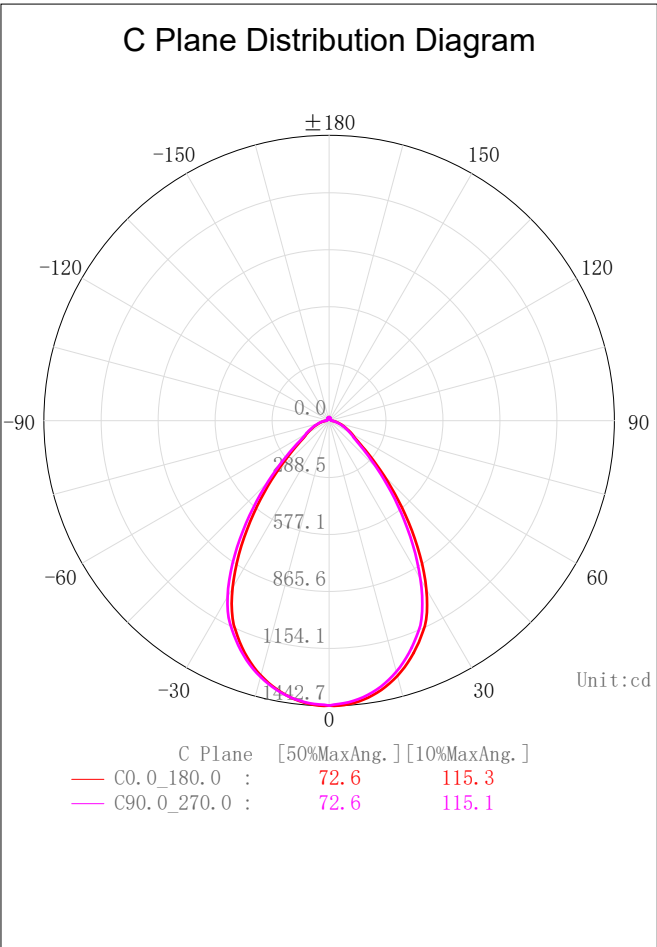
Indoor Luminaire Photometric Data

Description Information

|  |                         |                      |                       |
|--|-------------------------|----------------------|-----------------------|
| Luminary Name: SD07-25-XX-01 3000K RA90 白色 |                         | Lum. Catalog:        | Test ID: 01           |
| Lamp Name:                                 |                         | Lamp Catalog: LED    | Test Date: 2022/09/30 |
| Manufacture: Shenzhen Norming Lightin      |                         | Shld. Ang(° ):       | Test Machine:GON-2000 |
| Test Lab: Quality Departmnt                |                         | Frequency (Hz):      | Lamp CCT (K): Ra:     |
| Lum. Size (W*L*H):0.083m*-0.083m*0.000m    |                         | Lum. Area (m2):0.005 | Lum. W (kg): 0.000    |
| Test System: C, γ                          | Test Step: C=90.0 γ=1.0 | Temp. (°C): 25       | Humidity(%): 50.0     |

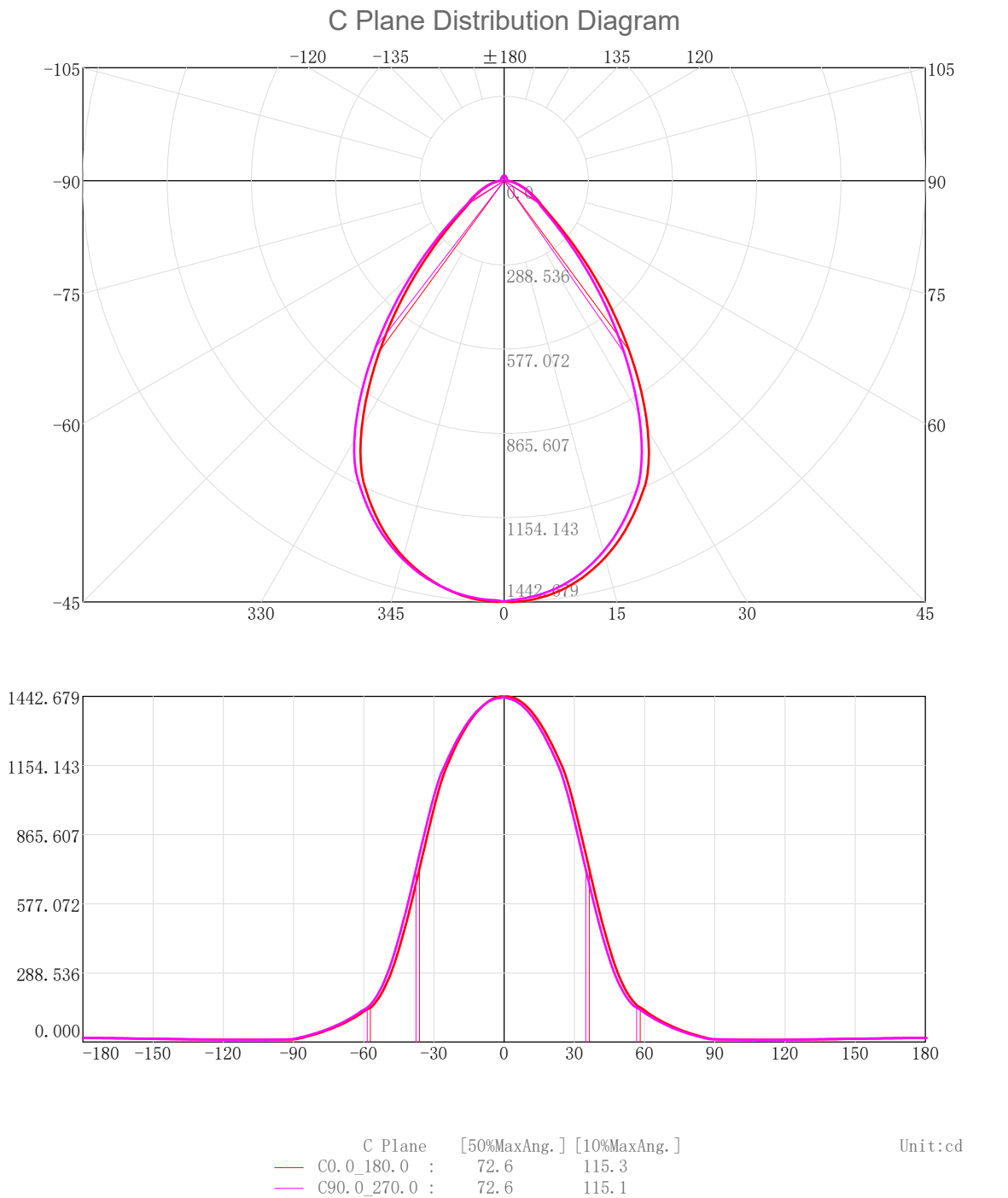
Character Parameter

| Lamp Speciality Parameter                       |                               | Luminaire Speciality Parameter         |                       |
|---|-------------------------------|--|-----------------------|
| Rated Flux(lm): 2219.130                        | Luminary Flux(lm): 2219.134   | Field Angle(10%Imax): 115.3(° )        |                       |
| Rated Power(W):                                 | Luminary Efficiency: 100.00%  | Down Lumens&Percent: 2148.012lm 96.80% |                       |
| Rated Voltage(V):                               | Luminary EER(lm/W): 96.233    | Up Lumens&Percent: 71.122lm 3.20%      |                       |
| Tested Power(W): 23.060                         | Max. Candela(cd): 1442.679    | S/MH: C0_a180=1.067 C90_270=1.065      |                       |
| Lamps' Inside: 1                                | Max Cand@Ang. (° ):           | C=0.0 γ=1.0                            | CIE Type: Semi-Direct |
| Tested Electrics (V, A, pf):239.8, 0.100, 0.955 | Beam Angle(50%Imax): 72.6(° ) | ErP ϕ use(90° ):                       | 1671.760lm            |
| Lamp Size (W*L*H):0.083m*-0.083m*0.000m         | Left=-36.2° , Right=36.4°     | IRF(%):                                | 163.812               |



2D Plane Light Intensity Distribution Curve

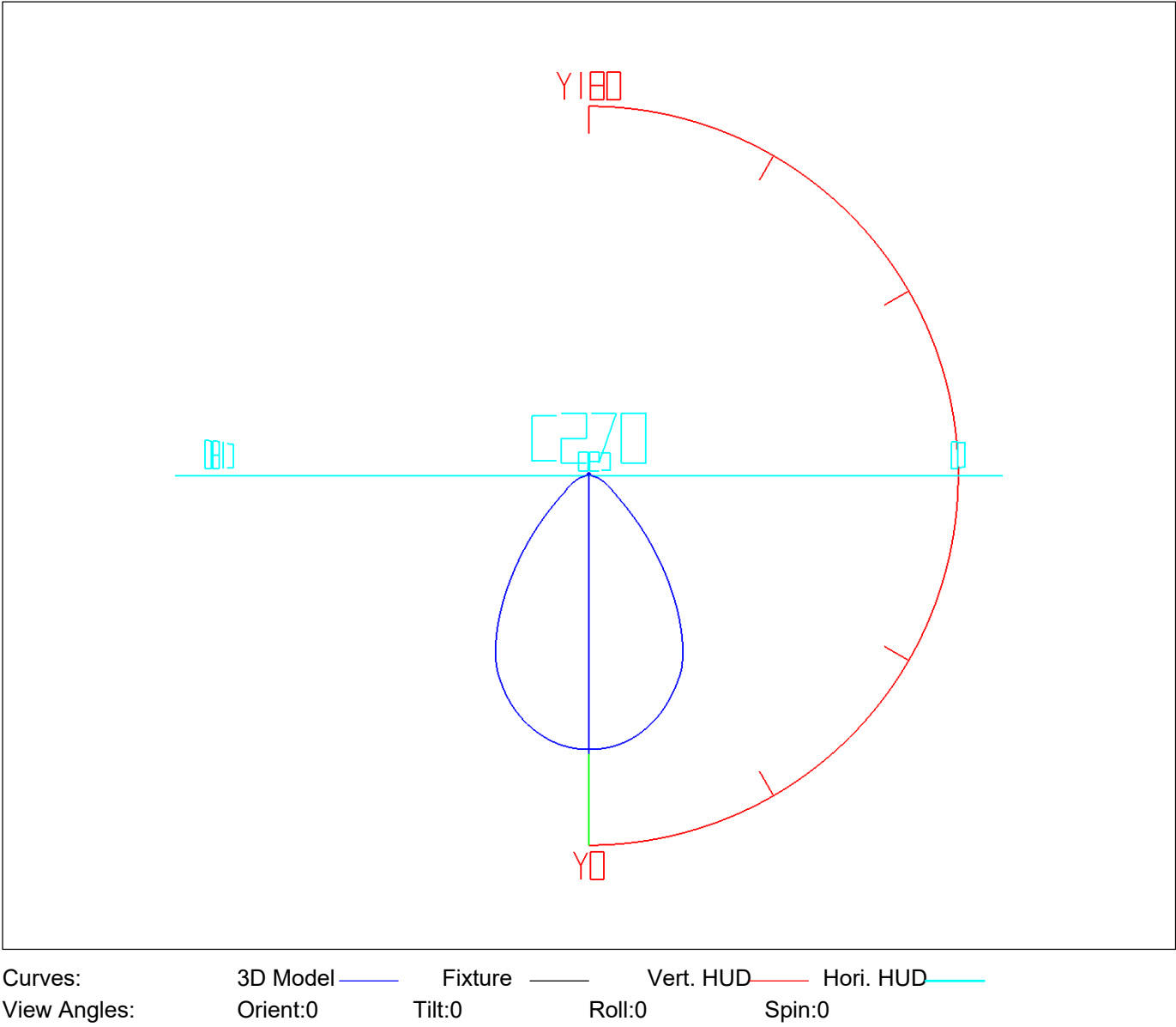
|                                       |                       |                            |
|---------------------------------------|-----------------------|----------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catelog:         | Test ID:01                 |
| Lamp Name:                            | Lamp Catelog:LED      | Test Lab:Quality Departmnt |
| Manufacture:Shenzhen Norming Lightin  | Test Machine:GON-2000 | Test Date:2022/09/30       |



3D Light Intensity Distribution Modal

|                                       |                       |                            |
|---------------------------------------|-----------------------|----------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catelog:         | Test ID:01                 |
| Lamp Name:                            | Lamp Catelog:LED      | Test Lab:Quality Departmnt |
| Manufacture:Shenzhen Norming Lightin  | Test Machine:GON-2000 | Test Date:2022/09/30       |

3D Light Intensity Distribution Modal



Zonal Flux Tabulation

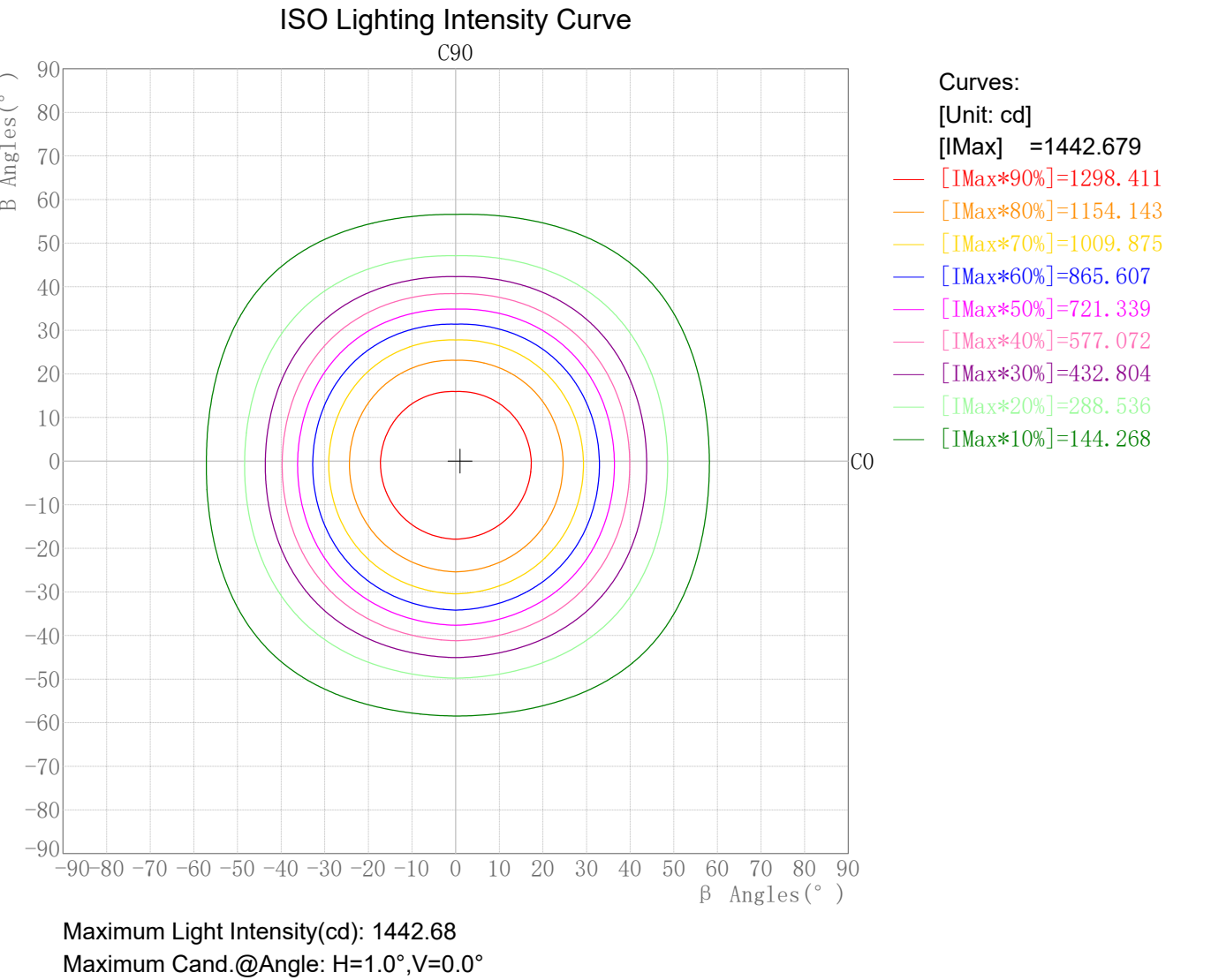
| Zone(γ)   | Zone Flux<br>(lm) | Sums Flux<br>(lm) | Zone%Lamp | Sums%Lamp | Zone(γ)   | Zone Flux<br>(lm) | Sums Flux<br>(lm) | Zone%Lamp | Sums%Lamp |
|-----------|-------------------|-------------------|-----------|-----------|-----------|-------------------|-------------------|-----------|-----------|
| 0.0-1.0   | 1.38              | 1.38              | 0.06      | 0.06      | 47.0-48.0 | 25.48             | 1767.01           | 1.15      | 79.63     |
| 1.0-2.0   | 4.13              | 5.51              | 0.19      | 0.25      | 48.0-49.0 | 23.72             | 1790.73           | 1.07      | 80.70     |
| 2.0-3.0   | 6.87              | 12.38             | 0.31      | 0.56      | 49.0-50.0 | 22.06             | 1812.79           | 0.99      | 81.69     |
| 3.0-4.0   | 9.60              | 21.99             | 0.43      | 0.99      | 50.0-51.0 | 20.53             | 1833.32           | 0.93      | 82.61     |
| 4.0-5.0   | 12.31             | 34.30             | 0.55      | 1.55      | 51.0-52.0 | 19.11             | 1852.43           | 0.86      | 83.48     |
| 5.0-6.0   | 14.99             | 49.29             | 0.68      | 2.22      | 52.0-53.0 | 17.83             | 1870.26           | 0.80      | 84.28     |
| 6.0-7.0   | 17.63             | 66.92             | 0.79      | 3.02      | 53.0-54.0 | 16.68             | 1886.94           | 0.75      | 85.03     |
| 7.0-8.0   | 20.23             | 87.15             | 0.91      | 3.93      | 54.0-55.0 | 15.65             | 1902.59           | 0.71      | 85.74     |
| 8.0-9.0   | 22.79             | 109.94            | 1.03      | 4.95      | 55.0-56.0 | 14.77             | 1917.36           | 0.67      | 86.40     |
| 9.0-10.0  | 25.28             | 135.22            | 1.14      | 6.09      | 56.0-57.0 | 14.04             | 1931.40           | 0.63      | 87.03     |
| 10.0-11.0 | 27.72             | 162.94            | 1.25      | 7.34      | 57.0-58.0 | 13.47             | 1944.87           | 0.61      | 87.64     |
| 11.0-12.0 | 30.09             | 193.03            | 1.36      | 8.70      | 58.0-59.0 | 12.98             | 1957.85           | 0.59      | 88.23     |
| 12.0-13.0 | 32.39             | 225.42            | 1.46      | 10.16     | 59.0-60.0 | 12.52             | 1970.37           | 0.56      | 88.79     |
| 13.0-14.0 | 34.60             | 260.02            | 1.56      | 11.72     | 60.0-61.0 | 12.03             | 1982.40           | 0.54      | 89.33     |
| 14.0-15.0 | 36.74             | 296.76            | 1.66      | 13.37     | 61.0-62.0 | 11.51             | 1993.91           | 0.52      | 89.85     |
| 15.0-16.0 | 38.78             | 335.55            | 1.75      | 15.12     | 62.0-63.0 | 10.99             | 2004.90           | 0.50      | 90.35     |
| 16.0-17.0 | 40.73             | 376.28            | 1.84      | 16.96     | 63.0-64.0 | 10.49             | 2015.39           | 0.47      | 90.82     |
| 17.0-18.0 | 42.58             | 418.86            | 1.92      | 18.87     | 64.0-65.0 | 10.00             | 2025.39           | 0.45      | 91.27     |
| 18.0-19.0 | 44.32             | 463.17            | 2.00      | 20.87     | 65.0-66.0 | 9.52              | 2034.91           | 0.43      | 91.70     |
| 19.0-20.0 | 45.94             | 509.11            | 2.07      | 22.94     | 66.0-67.0 | 9.05              | 2043.96           | 0.41      | 92.11     |
| 20.0-21.0 | 47.45             | 556.56            | 2.14      | 25.08     | 67.0-68.0 | 8.59              | 2052.55           | 0.39      | 92.49     |
| 21.0-22.0 | 48.84             | 605.40            | 2.20      | 27.28     | 68.0-69.0 | 8.14              | 2060.69           | 0.37      | 92.86     |
| 22.0-23.0 | 50.12             | 655.52            | 2.26      | 29.54     | 69.0-70.0 | 7.72              | 2068.41           | 0.35      | 93.21     |
| 23.0-24.0 | 51.28             | 706.80            | 2.31      | 31.85     | 70.0-71.0 | 7.29              | 2075.70           | 0.33      | 93.54     |
| 24.0-25.0 | 52.30             | 759.10            | 2.36      | 34.21     | 71.0-72.0 | 6.88              | 2082.58           | 0.31      | 93.85     |
| 25.0-26.0 | 53.11             | 812.21            | 2.39      | 36.60     | 72.0-73.0 | 6.47              | 2089.06           | 0.29      | 94.14     |
| 26.0-27.0 | 53.67             | 865.89            | 2.42      | 39.02     | 73.0-74.0 | 6.07              | 2095.13           | 0.27      | 94.41     |
| 27.0-28.0 | 53.96             | 919.85            | 2.43      | 41.45     | 74.0-75.0 | 5.70              | 2100.83           | 0.26      | 94.67     |
| 28.0-29.0 | 53.98             | 973.83            | 2.43      | 43.88     | 75.0-76.0 | 5.34              | 2106.17           | 0.24      | 94.91     |
| 29.0-30.0 | 53.75             | 1027.59           | 2.42      | 46.31     | 76.0-77.0 | 4.98              | 2111.15           | 0.22      | 95.13     |
| 30.0-31.0 | 53.30             | 1080.88           | 2.40      | 48.71     | 77.0-78.0 | 4.62              | 2115.77           | 0.21      | 95.34     |
| 31.0-32.0 | 52.62             | 1133.50           | 2.37      | 51.08     | 78.0-79.0 | 4.28              | 2120.05           | 0.19      | 95.54     |
| 32.0-33.0 | 51.74             | 1185.24           | 2.33      | 53.41     | 79.0-80.0 | 3.95              | 2124.00           | 0.18      | 95.71     |
| 33.0-34.0 | 50.66             | 1235.90           | 2.28      | 55.69     | 80.0-81.0 | 3.64              | 2127.64           | 0.16      | 95.88     |
| 34.0-35.0 | 49.42             | 1285.32           | 2.23      | 57.92     | 81.0-82.0 | 3.33              | 2130.98           | 0.15      | 96.03     |
| 35.0-36.0 | 48.01             | 1333.33           | 2.16      | 60.08     | 82.0-83.0 | 3.04              | 2134.01           | 0.14      | 96.16     |
| 36.0-37.0 | 46.45             | 1379.78           | 2.09      | 62.18     | 83.0-84.0 | 2.75              | 2136.76           | 0.12      | 96.29     |
| 37.0-38.0 | 44.77             | 1424.55           | 2.02      | 64.19     | 84.0-85.0 | 2.48              | 2139.24           | 0.11      | 96.40     |
| 38.0-39.0 | 43.00             | 1467.55           | 1.94      | 66.13     | 85.0-86.0 | 2.21              | 2141.45           | 0.10      | 96.50     |
| 39.0-40.0 | 41.15             | 1508.70           | 1.85      | 67.99     | 86.0-87.0 | 1.95              | 2143.40           | 0.09      | 96.59     |
| 40.0-41.0 | 39.23             | 1547.93           | 1.77      | 69.75     | 87.0-88.0 | 1.71              | 2145.12           | 0.08      | 96.66     |
| 41.0-42.0 | 37.26             | 1585.19           | 1.68      | 71.43     | 88.0-89.0 | 1.52              | 2146.64           | 0.07      | 96.73     |
| 42.0-43.0 | 35.26             | 1620.45           | 1.59      | 73.02     | 89.0-90.0 | 1.38              | 2148.01           | 0.06      | 96.80     |
| 43.0-44.0 | 33.25             | 1653.70           | 1.50      | 74.52     | 90.0-91.0 | 1.29              | 2149.30           | 0.06      | 96.85     |
| 44.0-45.0 | 31.24             | 1684.95           | 1.41      | 75.93     | 91.0-92.0 | 1.25              | 2150.56           | 0.06      | 96.91     |
| 45.0-46.0 | 29.26             | 1714.21           | 1.32      | 77.25     | 92.0-93.0 | 1.22              | 2151.78           | 0.06      | 96.97     |
| 46.0-47.0 | 27.33             | 1741.54           | 1.23      | 78.48     | 93.0-94.0 | 1.21              | 2152.99           | 0.05      | 97.02     |

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   | 1.18              | 2154.18           | 0.05      | 97.07     | 141.0-142.0 | 0.87              | 2199.71           | 0.04      | 99.13     |
| 95.0-96.0   | 1.16              | 2155.33           | 0.05      | 97.13     | 142.0-143.0 | 0.85              | 2200.57           | 0.04      | 99.16     |
| 96.0-97.0   | 1.14              | 2156.47           | 0.05      | 97.18     | 143.0-144.0 | 0.85              | 2201.42           | 0.04      | 99.20     |
| 97.0-98.0   | 1.12              | 2157.59           | 0.05      | 97.23     | 144.0-145.0 | 0.84              | 2202.26           | 0.04      | 99.24     |
| 98.0-99.0   | 1.10              | 2158.69           | 0.05      | 97.28     | 145.0-146.0 | 0.83              | 2203.09           | 0.04      | 99.28     |
| 99.0-100.0  | 1.09              | 2159.78           | 0.05      | 97.33     | 146.0-147.0 | 0.82              | 2203.91           | 0.04      | 99.31     |
| 100.0-101.0 | 1.08              | 2160.86           | 0.05      | 97.37     | 147.0-148.0 | 0.80              | 2204.71           | 0.04      | 99.35     |
| 101.0-102.0 | 1.06              | 2161.92           | 0.05      | 97.42     | 148.0-149.0 | 0.78              | 2205.49           | 0.04      | 99.39     |
| 102.0-103.0 | 1.04              | 2162.97           | 0.05      | 97.47     | 149.0-150.0 | 0.77              | 2206.26           | 0.03      | 99.42     |
| 103.0-104.0 | 1.03              | 2164.00           | 0.05      | 97.52     | 150.0-151.0 | 0.76              | 2207.02           | 0.03      | 99.45     |
| 104.0-105.0 | 1.02              | 2165.02           | 0.05      | 97.56     | 151.0-152.0 | 0.74              | 2207.76           | 0.03      | 99.49     |
| 105.0-106.0 | 1.01              | 2166.03           | 0.05      | 97.61     | 152.0-153.0 | 0.72              | 2208.49           | 0.03      | 99.52     |
| 106.0-107.0 | 1.01              | 2167.05           | 0.05      | 97.65     | 153.0-154.0 | 0.70              | 2209.19           | 0.03      | 99.55     |
| 107.0-108.0 | 1.00              | 2168.05           | 0.05      | 97.70     | 154.0-155.0 | 0.68              | 2209.88           | 0.03      | 99.58     |
| 108.0-109.0 | 0.99              | 2169.04           | 0.04      | 97.74     | 155.0-156.0 | 0.67              | 2210.54           | 0.03      | 99.61     |
| 109.0-110.0 | 0.99              | 2170.03           | 0.04      | 97.79     | 156.0-157.0 | 0.65              | 2211.19           | 0.03      | 99.64     |
| 110.0-111.0 | 0.98              | 2171.00           | 0.04      | 97.83     | 157.0-158.0 | 0.63              | 2211.81           | 0.03      | 99.67     |
| 111.0-112.0 | 0.97              | 2171.97           | 0.04      | 97.87     | 158.0-159.0 | 0.61              | 2212.42           | 0.03      | 99.70     |
| 112.0-113.0 | 0.97              | 2172.94           | 0.04      | 97.92     | 159.0-160.0 | 0.58              | 2213.00           | 0.03      | 99.72     |
| 113.0-114.0 | 0.96              | 2173.90           | 0.04      | 97.96     | 160.0-161.0 | 0.56              | 2213.56           | 0.03      | 99.75     |
| 114.0-115.0 | 0.95              | 2174.85           | 0.04      | 98.00     | 161.0-162.0 | 0.54              | 2214.10           | 0.02      | 99.77     |
| 115.0-116.0 | 0.94              | 2175.80           | 0.04      | 98.05     | 162.0-163.0 | 0.52              | 2214.62           | 0.02      | 99.80     |
| 116.0-117.0 | 0.94              | 2176.74           | 0.04      | 98.09     | 163.0-164.0 | 0.49              | 2215.11           | 0.02      | 99.82     |
| 117.0-118.0 | 0.93              | 2177.67           | 0.04      | 98.13     | 164.0-165.0 | 0.47              | 2215.58           | 0.02      | 99.84     |
| 118.0-119.0 | 0.93              | 2178.60           | 0.04      | 98.17     | 165.0-166.0 | 0.44              | 2216.02           | 0.02      | 99.86     |
| 119.0-120.0 | 0.93              | 2179.54           | 0.04      | 98.22     | 166.0-167.0 | 0.42              | 2216.43           | 0.02      | 99.88     |
| 120.0-121.0 | 0.93              | 2180.47           | 0.04      | 98.26     | 167.0-168.0 | 0.39              | 2216.82           | 0.02      | 99.90     |
| 121.0-122.0 | 0.93              | 2181.40           | 0.04      | 98.30     | 168.0-169.0 | 0.36              | 2217.18           | 0.02      | 99.91     |
| 122.0-123.0 | 0.93              | 2182.34           | 0.04      | 98.34     | 169.0-170.0 | 0.33              | 2217.51           | 0.01      | 99.93     |
| 123.0-124.0 | 0.93              | 2183.27           | 0.04      | 98.38     | 170.0-171.0 | 0.30              | 2217.81           | 0.01      | 99.94     |
| 124.0-125.0 | 0.94              | 2184.20           | 0.04      | 98.43     | 171.0-172.0 | 0.27              | 2218.09           | 0.01      | 99.95     |
| 125.0-126.0 | 0.93              | 2185.14           | 0.04      | 98.47     | 172.0-173.0 | 0.24              | 2218.33           | 0.01      | 99.96     |
| 126.0-127.0 | 0.93              | 2186.07           | 0.04      | 98.51     | 173.0-174.0 | 0.21              | 2218.54           | 0.01      | 99.97     |
| 127.0-128.0 | 0.93              | 2187.00           | 0.04      | 98.55     | 174.0-175.0 | 0.18              | 2218.72           | 0.01      | 99.98     |
| 128.0-129.0 | 0.93              | 2187.93           | 0.04      | 98.59     | 175.0-176.0 | 0.15              | 2218.87           | 0.01      | 99.99     |
| 129.0-130.0 | 0.93              | 2188.86           | 0.04      | 98.64     | 176.0-177.0 | 0.12              | 2218.98           | 0.01      | 99.99     |
| 130.0-131.0 | 0.93              | 2189.80           | 0.04      | 98.68     | 177.0-178.0 | 0.08              | 2219.07           | 0.00      | 100.00    |
| 131.0-132.0 | 0.93              | 2190.73           | 0.04      | 98.72     | 178.0-179.0 | 0.05              | 2219.12           | 0.00      | 100.00    |
| 132.0-133.0 | 0.92              | 2191.65           | 0.04      | 98.76     | 179.0-180.0 | 0.02              | 2219.13           | 0.00      | 100.00    |
| 133.0-134.0 | 0.91              | 2192.56           | 0.04      | 98.80     |             |                   |                   |           |           |
| 134.0-135.0 | 0.91              | 2193.47           | 0.04      | 98.84     |             |                   |                   |           |           |
| 135.0-136.0 | 0.92              | 2194.39           | 0.04      | 98.89     |             |                   |                   |           |           |
| 136.0-137.0 | 0.91              | 2195.29           | 0.04      | 98.93     |             |                   |                   |           |           |
| 137.0-138.0 | 0.89              | 2196.19           | 0.04      | 98.97     |             |                   |                   |           |           |
| 138.0-139.0 | 0.89              | 2197.08           | 0.04      | 99.01     |             |                   |                   |           |           |
| 139.0-140.0 | 0.89              | 2197.97           | 0.04      | 99.05     |             |                   |                   |           |           |
| 140.0-141.0 | 0.88              | 2198.85           | 0.04      | 99.09     |             |                   |                   |           |           |

Rectangle ISO Lighting Intensity Diagram

|                                       |                       |                             |
|---------------------------------------|-----------------------|-----------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catelog:         | Test ID: 01                 |
| Lamp Name:                            | Lamp Catelog: LED     | Test Lab: Quality Departmnt |
| Manufacture: Shenzhen Norming Lightin | Test Machine:GON-2000 | Test Date: 2022/09/30       |

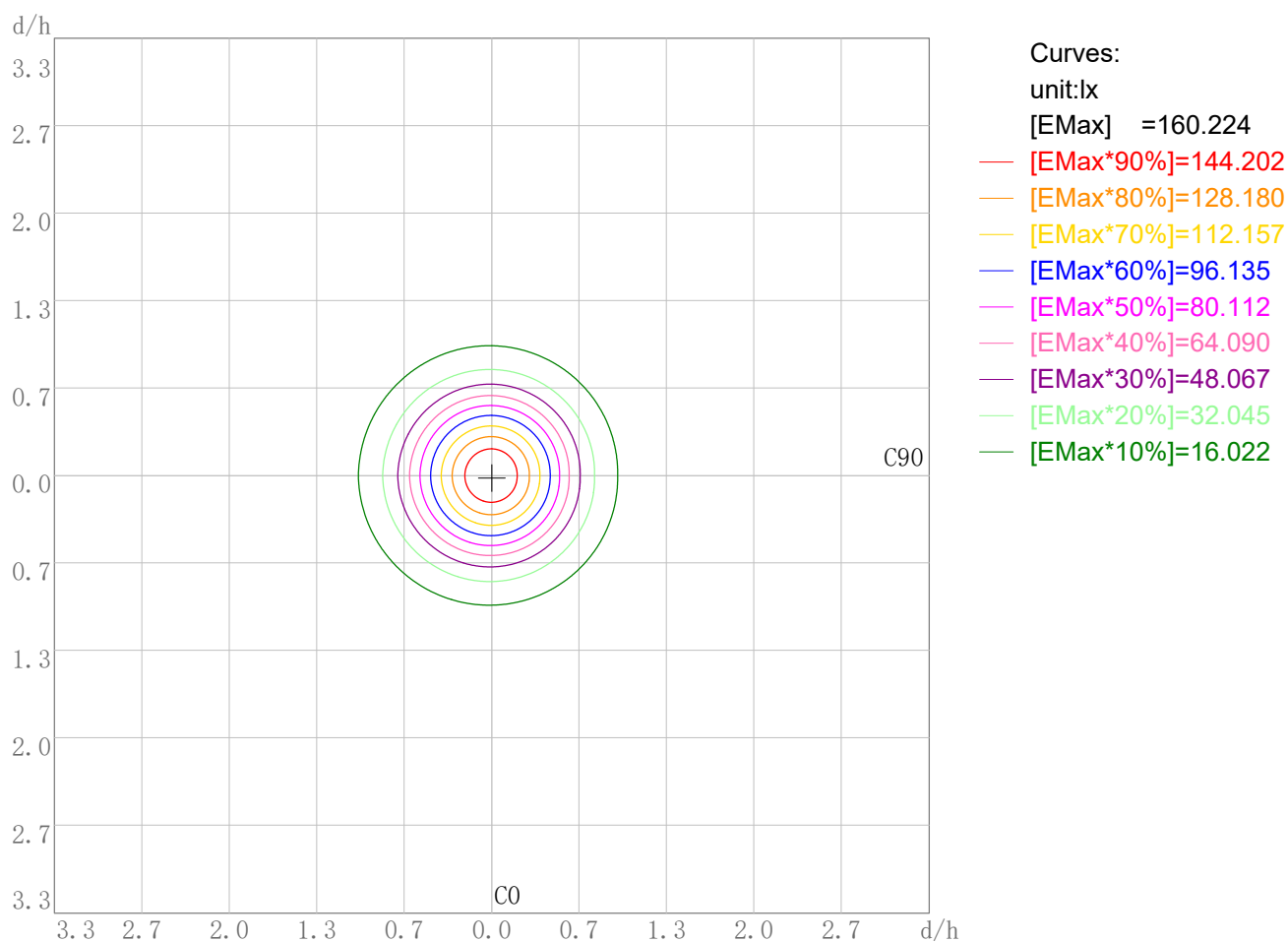


## Photometric Filename:SD07-25-XX-01 3000K RA90 白色.IES

## Plane ISO-Illuminance Diagram

|  |                       |                              |
|--|-----------------------|------------------------------|
| Lum. Name: SD07-25-XX-01 3000K RA90 白色 | Lum. Catalog:         | Test ID: 01                  |
| Lamp Name:                             | Lamp Catalog: LED     | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lightin  | Test Machine:GON-2000 | Test Date: 2022/09/30        |

### Plane ISO-Illuminance Curve

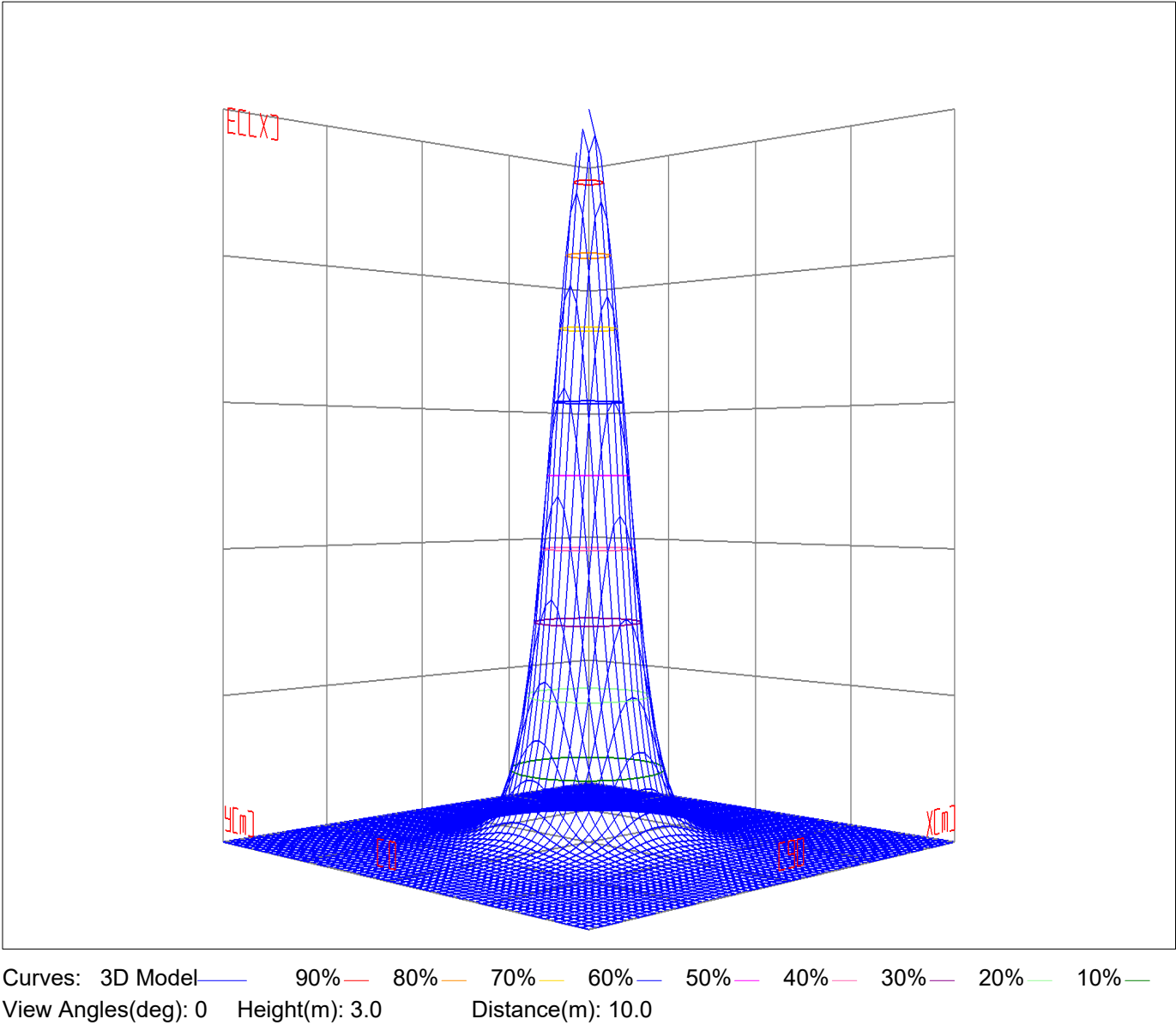


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 160.22  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

|                                       |                       |                            |
|---------------------------------------|-----------------------|----------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catelog:         | Test ID:01                 |
| Lamp Name:                            | Lamp Catelog:LED      | Test Lab:Quality Departmnt |
| Manufacture:Shenzhen Norming Lightin  | Test Machine:GON-2000 | Test Date:2022/09/30       |

3D Plane Illuminance Modal

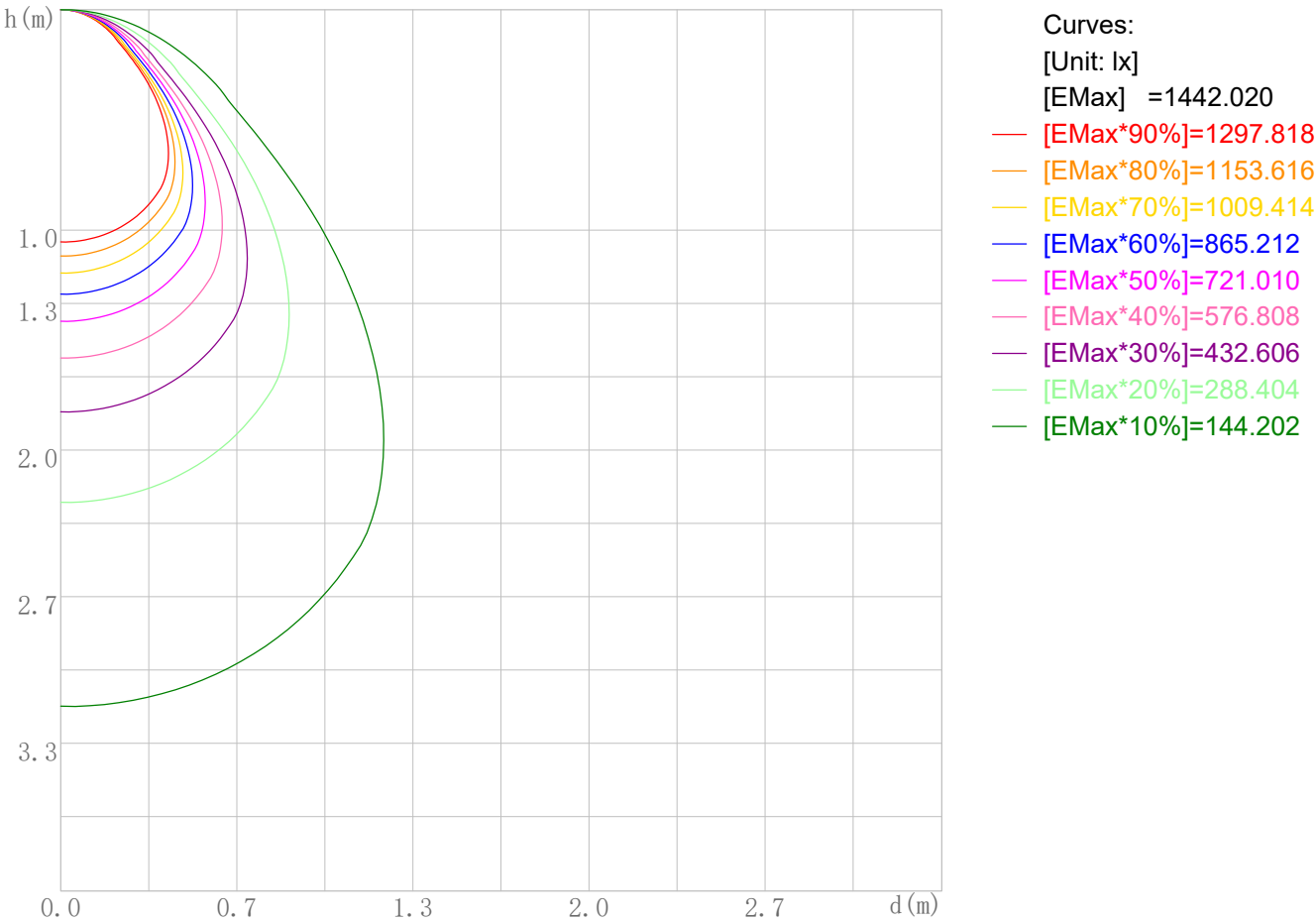




Space ISO Illuminance Diagram

|                                       |                       |                             |
|---------------------------------------|-----------------------|-----------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catelog:         | Test ID: 01                 |
| Lamp Name:                            | Lamp Catelog: LED     | Test Lab: Quality Departmnt |
| Manufacture: Shenzhen Norming Lightin | Test Machine:GON-2000 | Test Date: 2022/09/30       |

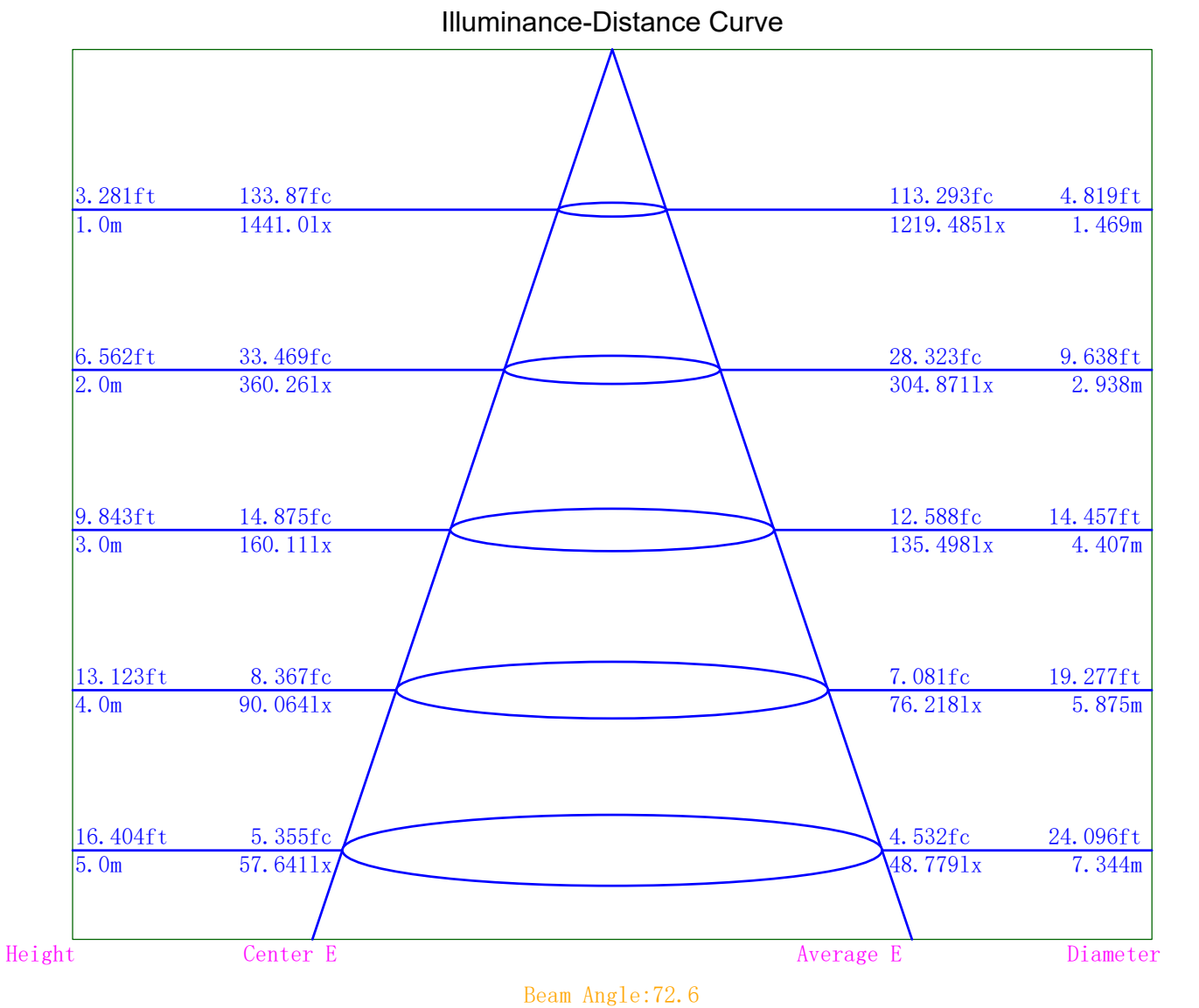
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1442.02lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:1442.679cd,0eg

Illuminance-Distance Diagram

|                                       |                       |                            |
|---------------------------------------|-----------------------|----------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catelog:         | Test ID:01                 |
| Lamp Name:                            | Lamp Catelog:LED      | Test Lab:Quality Departmnt |
| Manufacture:Shenzhen Norming Lightin  | Test Machine:GON-2000 | Test Date:2022/09/30       |



Indoor Luminance Limiting Curves

|                                       |                       |                              |
|---------------------------------------|-----------------------|------------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catalog:         | Test ID:01                   |
| Lamp Name:                            | Lamp Catalog: LED     | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lightin | Test Machine:GON-2000 | Test Date: 2022/09/30        |

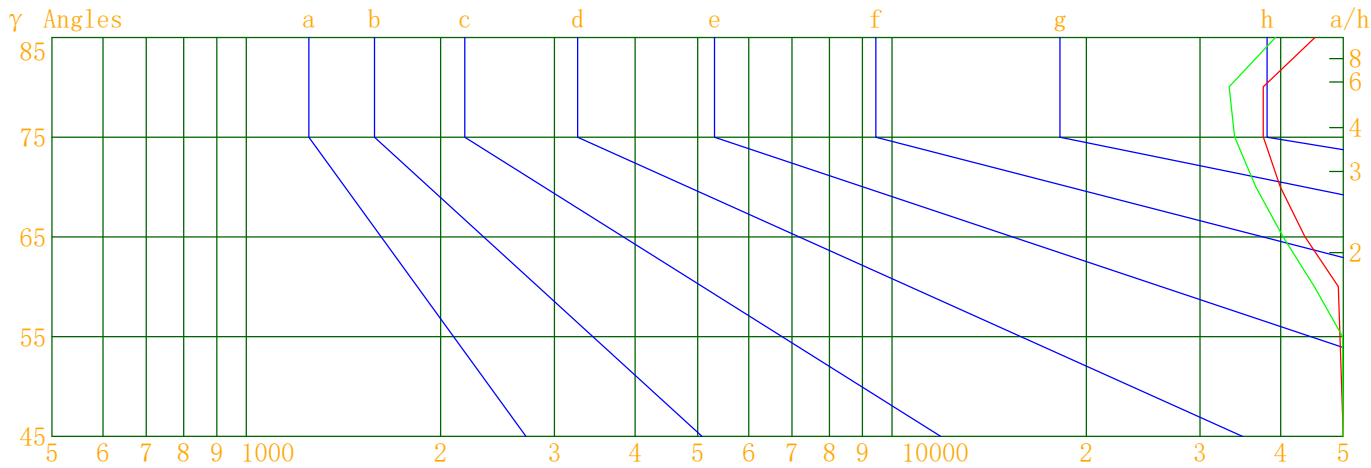
Glare Grade Table

| 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        | 102592 | 73313 | 55322 | 49121 | 43597 | 39940 | 37574 | 37592 | 45205 |
| C90       | 90462  | 64730 | 49849 | 45086 | 40330 | 36587 | 33943 | 33291 | 39254 |

Luminance Limiting Curve



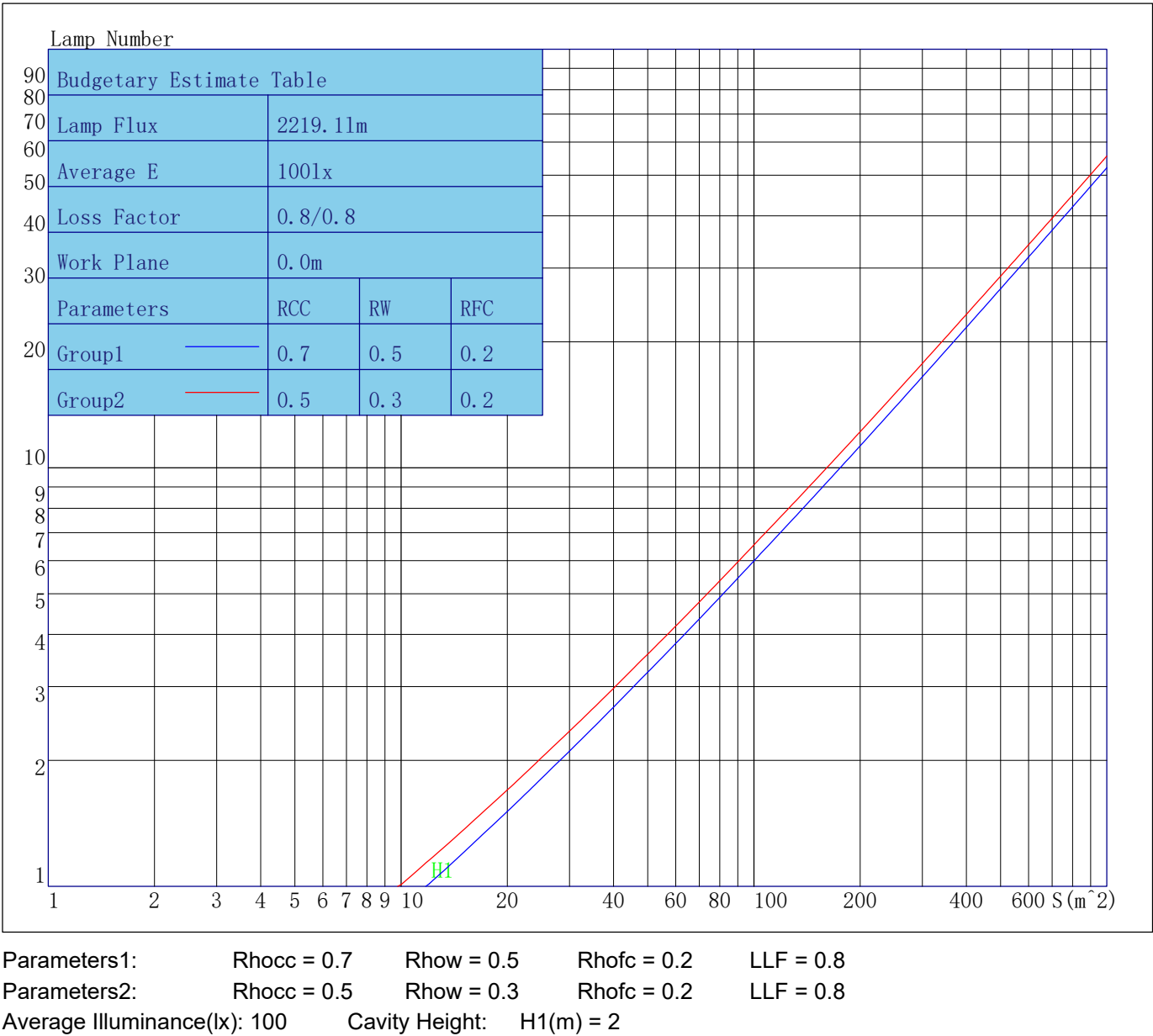
Luminous Size:Length(m)=-0.083Width(m)=-0.083Height(m)=0.000Area(m^2)=0.005411

Luminous Type:Without Luminous Side

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

Indoor Budgetary Estimate Table

|                                       |                       |                              |
|---------------------------------------|-----------------------|------------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catalog:         | Test ID:01                   |
| Lamp Name:                            | Lamp Catalog: LED     | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lightin | Test Machine:GON-2000 | Test Date: 2022/09/30        |



Indoor Coefficient of Utilization Table

|                                       |                       |                             |
|---------------------------------------|-----------------------|-----------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catelog:         | Test ID: 01                 |
| Lamp Name:                            | Lamp Catelog: LED     | Test Lab: Quality Departmnt |
| Manufacture: Shenzhen Norming Lightin | Test Machine:GON-2000 | Test Date: 2022/09/30       |

| 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 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 104 | 104 | 104 | 99 | 99 | 99 | 97 |
| 1   | 111   | 107 | 104 | 101 | 108 | 104 | 101 | 99  | 100 | 97  | 95  | 95  | 93  | 92  | 91 | 90 | 88 | 86 |
| 2   | 103   | 97  | 91  | 87  | 100 | 94  | 90  | 86  | 91  | 87  | 83  | 87  | 84  | 81  | 84 | 81 | 79 | 77 |
| 3   | 96  | 88  | 81  | 76  | 93  | 86  | 80  | 75  | 83  | 78  | 74  | 80  | 75  | 72  | 77 | 73 | 70 | 68 |
| 4   | 90  | 80  | 73  | 67  | 87  | 78  | 72  | 67  | 76  | 70  | 66  | 73  | 68  | 65  | 71 | 67 | 63 | 61 |
| 5   | 84  | 73  | 66  | 60  | 82  | 72  | 65  | 60  | 70  | 64  | 59  | 68  | 62  | 58  | 66 | 61 | 57 | 56 |
| 6   | 78  | 67  | 60  | 55  | 77  | 66  | 59  | 54  | 64  | 58  | 54  | 62  | 57  | 53  | 61 | 56 | 52 | 50 |
| 7   | 74  | 62  | 55  | 50  | 72  | 61  | 54  | 49  | 60  | 53  | 49  | 58  | 52  | 48  | 57 | 52 | 48 | 46 |
| 8   | 69  | 58  | 50  | 45  | 68  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 48  | 44  | 53 | 48 | 44 | 42 |
| 9   | 65  | 54  | 47  | 42  | 64  | 53  | 46  | 42  | 52  | 46  | 41  | 50  | 45  | 41  | 49 | 44 | 41 | 39 |
| 10  | 62  | 50  | 43  | 39  | 60  | 49  | 43  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 46 | 41 | 38 | 36 |

Unified Glare Rating Table

|                                       |                       |                            |
|---------------------------------------|-----------------------|----------------------------|
| Lum. Name:SD07-25-XX-01 3000K RA90 白色 | Lum. Catelog:         | Test ID:01                 |
| Lamp Name:                            | Lamp Catelog:LED      | Test Lab:Quality Departmnt |
| Manufacture:Shenzhen Norming Lightin  | Test Machine:GON-2000 | Test Date:2022/09/30       |

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                                      | 25.5            | 26.8 | 25.9 | 27.1 | 27.5 | 25.0          | 26.2 | 25.4 | 26.6 | 27.0 |
|   | 26.2            | 27.3 | 26.6 | 27.7 | 28.1 | 25.6          | 26.7 | 26.1 | 27.1 | 27.6 |
|   | 26.5            | 27.5 | 26.9 | 27.9 | 28.4 | 25.9          | 27.0 | 26.4 | 27.4 | 27.8 |
|   | 26.7            | 27.7 | 27.2 | 28.1 | 28.6 | 26.2          | 27.1 | 26.7 | 27.6 | 28.1 |
|   | 26.9            | 27.8 | 27.4 | 28.2 | 28.7 | 26.3          | 27.2 | 26.8 | 27.7 | 28.1 |
|   | 27.0            | 27.9 | 27.5 | 28.3 | 28.8 | 26.4          | 27.3 | 26.9 | 27.7 | 28.2 |
| X=4H    Y=2H                                      | 25.7            | 26.8 | 26.2 | 27.2 | 27.6 | 25.2          | 26.3 | 25.7 | 26.7 | 27.1 |
|   | 26.6            | 27.4 | 27.0 | 27.9 | 28.4 | 26.1          | 26.9 | 26.5 | 27.4 | 27.9 |
|   | 27.0            | 27.8 | 27.5 | 28.2 | 28.8 | 26.5          | 27.3 | 27.0 | 27.7 | 28.3 |
|   | 27.4            | 28.1 | 27.9 | 28.6 | 29.1 | 26.9          | 27.6 | 27.4 | 28.1 | 28.6 |
|   | 27.6            | 28.2 | 28.1 | 28.7 | 29.3 | 27.1          | 27.7 | 27.6 | 28.2 | 28.7 |
|   | 27.8            | 28.4 | 28.3 | 28.9 | 29.4 | 27.2          | 27.8 | 27.8 | 28.3 | 28.9 |
| X=8H    Y=4H                                      | 27.1            | 27.8 | 27.7 | 28.3 | 28.8 | 26.6          | 27.3 | 27.2 | 27.8 | 28.3 |
|   | 27.7            | 28.2 | 28.2 | 28.8 | 29.4 | 27.2          | 27.7 | 27.7 | 28.2 | 28.9 |
|   | 28.0            | 28.4 | 28.5 | 29.0 | 29.6 | 27.4          | 27.9 | 28.0 | 28.5 | 29.0 |
|   | 28.3            | 28.7 | 28.8 | 29.2 | 29.9 | 27.7          | 28.1 | 28.3 | 28.7 | 29.3 |
| X=12H    Y=4H                                     | 27.1            | 27.7 | 27.7 | 28.2 | 28.8 | 26.6          | 27.2 | 27.2 | 27.7 | 28.3 |
|   | 27.7            | 28.2 | 28.3 | 28.7 | 29.3 | 27.2          | 27.7 | 27.8 | 28.2 | 28.8 |
|   | 28.1            | 28.5 | 28.6 | 29.0 | 29.7 | 27.5          | 27.9 | 28.1 | 28.5 | 29.1 |
| Variations with the objerver position at spacings |                 |      |      |      |      |               |      |      |      |      |
| S=1.0H  | 0.3/-0.3        |      |      |      |      | 0.4/-0.4      |      |      |      |      |
| S=1.5H  | 0.6/-0.7        |      |      |      |      | 0.7/-0.7      |      |      |      |      |
| S=2.0H  | 0.9/-0.9        |      |      |      |      | 0.9/-1.0      |      |      |      |      |
| Reduced UGR Table:                                |                 |      |      |      |      |               |      |      |      |      |
| Nordic Standard Table:                            | BK0             |      |      |      |      | BK0           |      |      |      |      |
| Correction Value                                  | 1.9             |      |      |      |      | 1.9           |      |      |      |      |

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  | 1441.02 | 1441.02 | 1441.02 | 1441.02 |
| γ 1.0  | 1442.68 | 1435.83 | 1442.58 | 1436.87 |
| γ 2.0  | 1441.72 | 1433.76 | 1441.27 | 1436.08 |
| γ 3.0  | 1440.02 | 1430.70 | 1439.26 | 1434.76 |
| γ 4.0  | 1437.05 | 1426.90 | 1435.82 | 1431.63 |
| γ 5.0  | 1432.90 | 1421.99 | 1431.19 | 1428.61 |
| γ 6.0  | 1427.85 | 1416.01 | 1426.10 | 1423.77 |
| γ 7.0  | 1421.57 | 1409.11 | 1419.66 | 1418.56 |
| γ 8.0  | 1414.59 | 1400.92 | 1412.14 | 1412.13 |
| γ 9.0  | 1406.51 | 1391.73 | 1403.68 | 1404.44 |
| γ 10.0 | 1397.00 | 1381.57 | 1394.22 | 1396.14 |
| γ 11.0 | 1387.10 | 1370.01 | 1383.77 | 1387.13 |
| γ 12.0 | 1375.48 | 1357.49 | 1372.83 | 1377.08 |
| γ 13.0 | 1362.84 | 1344.27 | 1360.64 | 1365.87 |
| γ 14.0 | 1349.89 | 1329.55 | 1347.36 | 1353.68 |
| γ 15.0 | 1335.68 | 1313.94 | 1333.50 | 1341.08 |
| γ 16.0 | 1320.29 | 1297.49 | 1318.52 | 1327.13 |
| γ 17.0 | 1304.06 | 1279.92 | 1302.28 | 1312.61 |
| γ 18.0 | 1287.03 | 1261.31 | 1285.31 | 1296.80 |
| γ 19.0 | 1268.71 | 1241.75 | 1267.36 | 1280.31 |
| γ 20.0 | 1249.56 | 1221.41 | 1248.10 | 1262.70 |
| γ 21.0 | 1229.73 | 1200.24 | 1227.76 | 1244.41 |
| γ 22.0 | 1209.79 | 1178.65 | 1206.37 | 1225.11 |
| γ 23.0 | 1188.43 | 1156.78 | 1184.30 | 1205.11 |
| γ 24.0 | 1167.07 | 1133.97 | 1161.71 | 1184.04 |
| γ 25.0 | 1146.10 | 1105.32 | 1139.48 | 1162.59 |
| γ 26.0 | 1119.93 | 1073.22 | 1112.65 | 1141.17 |
| γ 27.0 | 1089.21 | 1038.81 | 1081.62 | 1118.78 |
| γ 28.0 | 1056.45 | 1001.95 | 1048.25 | 1090.87 |
| γ 29.0 | 1020.57 | 963.18  | 1012.57 | 1059.59 |
| γ 30.0 | 983.23  | 923.27  | 975.25  | 1025.87 |
| γ 31.0 | 944.50  | 882.48  | 936.08  | 990.13  |
| γ 32.0 | 904.57  | 841.07  | 895.95  | 952.13  |
| γ 33.0 | 863.42  | 799.36  | 855.11  | 912.94  |
| γ 34.0 | 821.68  | 757.39  | 813.71  | 872.87  |
| γ 35.0 | 779.41  | 715.54  | 772.17  | 831.89  |
| γ 36.0 | 737.38  | 674.16  | 730.12  | 790.37  |
| γ 37.0 | 695.14  | 633.03  | 688.34  | 748.33  |
| γ 38.0 | 653.43  | 592.94  | 647.24  | 706.74  |
| γ 39.0 | 612.92  | 554.07  | 606.53  | 665.24  |
| γ 40.0 | 573.10  | 516.13  | 567.11  | 624.59  |
| γ 41.0 | 534.03  | 478.91  | 528.28  | 584.46  |
| γ 42.0 | 496.63  | 443.25  | 490.82  | 545.54  |
| γ 43.0 | 460.26  | 408.90  | 454.70  | 507.88  |
| γ 44.0 | 425.58  | 376.67  | 419.51  | 470.43  |
| γ 45.0 | 392.51  | 346.10  | 386.13  | 435.01  |
| γ 46.0 | 360.71  | 317.29  | 354.69  | 400.82  |

Candela Tabulation - (Cont.)

| V/H    | C0.0   | C90.0  | C180.0 | C270.0 |
|--------|--------|--------|--------|--------|
| γ 47.0 | 330.74 | 290.93 | 324.95 | 368.39 |
| γ 48.0 | 303.40 | 266.77 | 297.85 | 337.69 |
| γ 49.0 | 278.06 | 245.01 | 272.27 | 308.93 |
| γ 50.0 | 254.97 | 225.12 | 249.50 | 282.82 |
| γ 51.0 | 234.28 | 207.48 | 228.38 | 258.32 |
| γ 52.0 | 215.59 | 191.59 | 209.68 | 236.34 |
| γ 53.0 | 199.28 | 177.62 | 192.98 | 216.42 |
| γ 54.0 | 184.48 | 165.14 | 178.37 | 199.22 |
| γ 55.0 | 171.69 | 154.70 | 165.29 | 183.69 |
| γ 56.0 | 160.68 | 147.29 | 153.95 | 169.79 |
| γ 57.0 | 151.14 | 142.12 | 145.11 | 158.22 |
| γ 58.0 | 145.19 | 136.16 | 138.98 | 147.92 |
| γ 59.0 | 139.43 | 128.96 | 134.06 | 140.04 |
| γ 60.0 | 132.89 | 121.97 | 127.90 | 134.78 |
| γ 61.0 | 125.04 | 115.42 | 120.60 | 129.90 |
| γ 62.0 | 118.24 | 109.56 | 113.99 | 122.60 |
| γ 63.0 | 111.79 | 103.62 | 108.62 | 115.67 |
| γ 64.0 | 106.16 | 97.55  | 102.24 | 109.49 |
| γ 65.0 | 99.69  | 92.22  | 96.76  | 103.86 |
| γ 66.0 | 94.21  | 86.81  | 91.58  | 97.93  |
| γ 67.0 | 88.65  | 81.88  | 86.36  | 92.72  |
| γ 68.0 | 83.49  | 76.78  | 81.08  | 87.29  |
| γ 69.0 | 78.69  | 72.27  | 76.47  | 82.37  |
| γ 70.0 | 73.91  | 67.71  | 72.10  | 77.80  |
| γ 71.0 | 69.42  | 63.26  | 67.31  | 72.89  |
| γ 72.0 | 64.90  | 59.02  | 63.60  | 68.80  |
| γ 73.0 | 60.58  | 54.96  | 59.16  | 64.06  |
| γ 74.0 | 56.43  | 51.21  | 55.46  | 60.22  |
| γ 75.0 | 52.62  | 47.53  | 51.87  | 56.40  |
| γ 76.0 | 48.83  | 44.19  | 48.49  | 52.59  |
| γ 77.0 | 45.18  | 40.67  | 44.41  | 49.05  |
| γ 78.0 | 41.94  | 37.35  | 41.13  | 45.43  |
| γ 79.0 | 38.39  | 34.49  | 38.06  | 42.01  |
| γ 80.0 | 35.32  | 31.28  | 34.86  | 38.77  |
| γ 81.0 | 32.38  | 28.53  | 32.11  | 35.87  |
| γ 82.0 | 29.57  | 25.59  | 29.08  | 32.81  |
| γ 83.0 | 26.67  | 23.11  | 26.53  | 30.05  |
| γ 84.0 | 23.99  | 20.58  | 23.90  | 27.16  |
| γ 85.0 | 21.32  | 18.51  | 21.55  | 24.75  |
| γ 86.0 | 18.92  | 15.54  | 18.92  | 22.27  |
| γ 87.0 | 16.51  | 13.68  | 16.32  | 20.29  |
| γ 88.0 | 14.35  | 12.19  | 14.29  | 17.54  |
| γ 89.0 | 12.69  | 11.94  | 12.35  | 15.42  |
| γ 90.0 | 11.87  | 11.67  | 11.32  | 13.22  |
| γ 91.0 | 11.97  | 11.26  | 11.11  | 11.88  |
| γ 92.0 | 11.59  | 11.15  | 10.88  | 11.48  |
| γ 93.0 | 11.31  | 11.00  | 10.71  | 11.30  |



Candela Tabulation - (Cont.)

| V/H     | C0.0  | C90.0 | C180.0 | C270.0 |
|---------|-------|-------|--------|--------|
| γ 94.0  | 11.21 | 11.12 | 10.62  | 11.18  |
| γ 95.0  | 10.68 | 10.69 | 10.35  | 10.85  |
| γ 96.0  | 10.65 | 10.50 | 10.19  | 10.81  |
| γ 97.0  | 10.39 | 10.21 | 10.16  | 10.73  |
| γ 98.0  | 10.28 | 10.27 | 10.00  | 10.40  |
| γ 99.0  | 10.00 | 10.12 | 9.87   | 10.35  |
| γ 100.0 | 10.06 | 9.97  | 9.60   | 10.44  |
| γ 101.0 | 10.01 | 9.79  | 9.66   | 10.56  |
| γ 102.0 | 9.85  | 9.91  | 9.31   | 10.10  |
| γ 103.0 | 9.58  | 9.57  | 9.74   | 9.93   |
| γ 104.0 | 9.62  | 9.94  | 9.52   | 9.71   |
| γ 105.0 | 9.38  | 9.44  | 9.49   | 9.83   |
| γ 106.0 | 9.42  | 9.70  | 9.64   | 9.73   |
| γ 107.0 | 9.59  | 9.82  | 9.46   | 9.62   |
| γ 108.0 | 9.18  | 9.29  | 9.92   | 9.61   |
| γ 109.0 | 9.26  | 9.32  | 9.89   | 9.66   |
| γ 110.0 | 9.37  | 9.47  | 10.01  | 9.62   |
| γ 111.0 | 9.23  | 9.32  | 9.46   | 9.56   |
| γ 112.0 | 9.27  | 9.46  | 9.48   | 9.91   |
| γ 113.0 | 9.09  | 9.76  | 9.58   | 10.11  |
| γ 114.0 | 9.24  | 9.66  | 9.77   | 9.54   |
| γ 115.0 | 9.31  | 9.47  | 9.55   | 9.79   |
| γ 116.0 | 9.27  | 9.56  | 9.76   | 9.60   |
| γ 117.0 | 9.15  | 9.50  | 9.85   | 9.77   |
| γ 118.0 | 9.32  | 9.57  | 9.74   | 9.87   |
| γ 119.0 | 9.33  | 9.80  | 10.21  | 9.76   |
| γ 120.0 | 9.44  | 9.93  | 9.90   | 9.89   |
| γ 121.0 | 9.56  | 10.05 | 10.02  | 9.96   |
| γ 122.0 | 10.04 | 10.00 | 10.34  | 9.97   |
| γ 123.0 | 9.89  | 10.13 | 10.40  | 10.03  |
| γ 124.0 | 10.02 | 10.36 | 10.39  | 10.18  |
| γ 125.0 | 10.54 | 10.28 | 10.58  | 10.43  |
| γ 126.0 | 10.21 | 10.48 | 10.66  | 10.52  |
| γ 127.0 | 10.45 | 10.79 | 10.70  | 10.96  |
| γ 128.0 | 10.54 | 10.73 | 10.93  | 10.82  |
| γ 129.0 | 10.70 | 10.96 | 10.94  | 11.11  |
| γ 130.0 | 10.93 | 11.06 | 11.08  | 11.04  |
| γ 131.0 | 11.38 | 11.50 | 11.39  | 11.13  |
| γ 132.0 | 11.36 | 11.48 | 11.27  | 11.14  |
| γ 133.0 | 11.22 | 11.52 | 11.68  | 11.35  |
| γ 134.0 | 11.66 | 11.73 | 11.40  | 11.27  |
| γ 135.0 | 11.87 | 11.83 | 11.93  | 11.64  |
| γ 136.0 | 11.96 | 12.06 | 12.16  | 11.86  |
| γ 137.0 | 11.77 | 12.16 | 12.12  | 11.90  |
| γ 138.0 | 11.86 | 12.38 | 12.43  | 11.88  |
| γ 139.0 | 12.67 | 12.38 | 12.60  | 12.16  |
| γ 140.0 | 12.62 | 12.51 | 12.41  | 12.24  |

Candela Tabulation - (Cont.)

| V/H     | C0.0  | C90.0 | C180.0 | C270.0 |
|---------|-------|-------|--------|--------|
| γ 141.0 | 12.71 | 12.79 | 12.77  | 12.66  |
| γ 142.0 | 12.50 | 12.80 | 12.75  | 12.67  |
| γ 143.0 | 12.95 | 13.05 | 12.93  | 12.70  |
| γ 144.0 | 13.23 | 13.21 | 13.49  | 12.72  |
| γ 145.0 | 13.46 | 13.33 | 13.46  | 13.10  |
| γ 146.0 | 13.65 | 13.60 | 13.34  | 13.06  |
| γ 147.0 | 13.77 | 13.47 | 13.56  | 13.33  |
| γ 148.0 | 13.65 | 13.77 | 13.73  | 13.20  |
| γ 149.0 | 13.84 | 13.95 | 14.02  | 13.41  |
| γ 150.0 | 13.94 | 14.11 | 14.10  | 13.73  |
| γ 151.0 | 14.09 | 14.14 | 14.36  | 13.79  |
| γ 152.0 | 14.42 | 14.27 | 14.51  | 13.92  |
| γ 153.0 | 14.31 | 14.44 | 14.40  | 14.15  |
| γ 154.0 | 14.30 | 14.43 | 14.70  | 14.20  |
| γ 155.0 | 14.58 | 14.63 | 14.86  | 14.30  |
| γ 156.0 | 14.98 | 14.77 | 14.88  | 14.32  |
| γ 157.0 | 15.13 | 14.81 | 14.88  | 14.50  |
| γ 158.0 | 14.98 | 15.05 | 15.10  | 14.74  |
| γ 159.0 | 15.28 | 15.00 | 15.37  | 14.92  |
| γ 160.0 | 15.21 | 14.98 | 15.18  | 15.03  |
| γ 161.0 | 15.28 | 15.51 | 15.77  | 15.30  |
| γ 162.0 | 15.68 | 15.53 | 15.59  | 15.32  |
| γ 163.0 | 15.81 | 15.71 | 15.94  | 15.70  |
| γ 164.0 | 16.09 | 15.83 | 16.04  | 15.85  |
| γ 165.0 | 16.18 | 16.12 | 15.98  | 15.63  |
| γ 166.0 | 16.22 | 16.12 | 16.24  | 15.83  |
| γ 167.0 | 16.38 | 16.41 | 16.42  | 16.27  |
| γ 168.0 | 16.44 | 16.61 | 16.48  | 16.30  |
| γ 169.0 | 16.45 | 16.37 | 16.47  | 16.42  |
| γ 170.0 | 16.59 | 16.66 | 16.48  | 16.55  |
| γ 171.0 | 16.88 | 16.88 | 16.79  | 16.62  |
| γ 172.0 | 16.88 | 16.92 | 16.72  | 16.94  |
| γ 173.0 | 16.87 | 17.13 | 16.93  | 17.11  |
| γ 174.0 | 17.18 | 17.23 | 16.74  | 17.15  |
| γ 175.0 | 17.28 | 17.17 | 16.96  | 17.21  |
| γ 176.0 | 17.31 | 17.66 | 17.19  | 17.10  |
| γ 177.0 | 17.55 | 17.25 | 17.19  | 17.22  |
| γ 178.0 | 17.47 | 17.39 | 17.10  | 17.27  |
| γ 179.0 | 17.36 | 17.24 | 17.25  | 17.52  |
| γ 180.0 | 17.34 | 17.34 | 17.34  | 17.34  |