

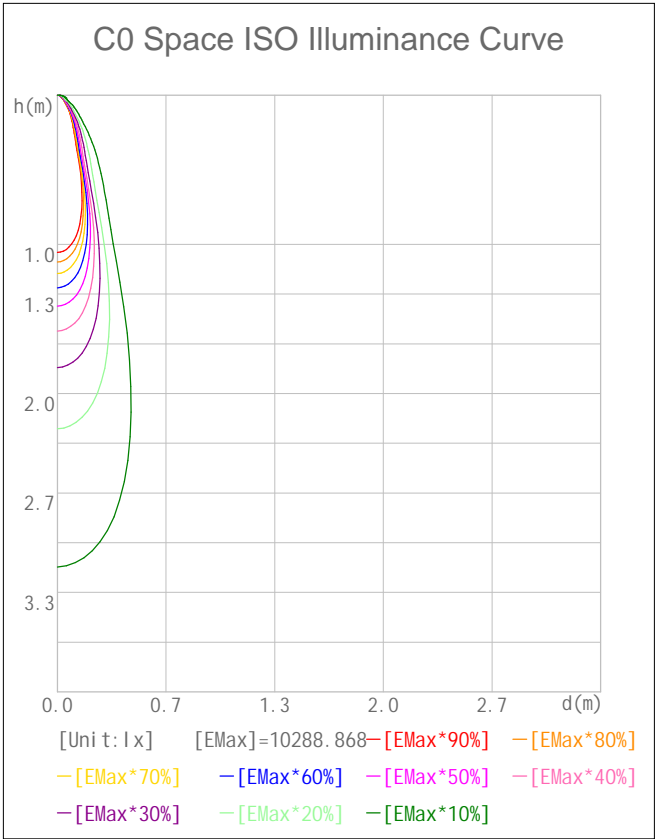
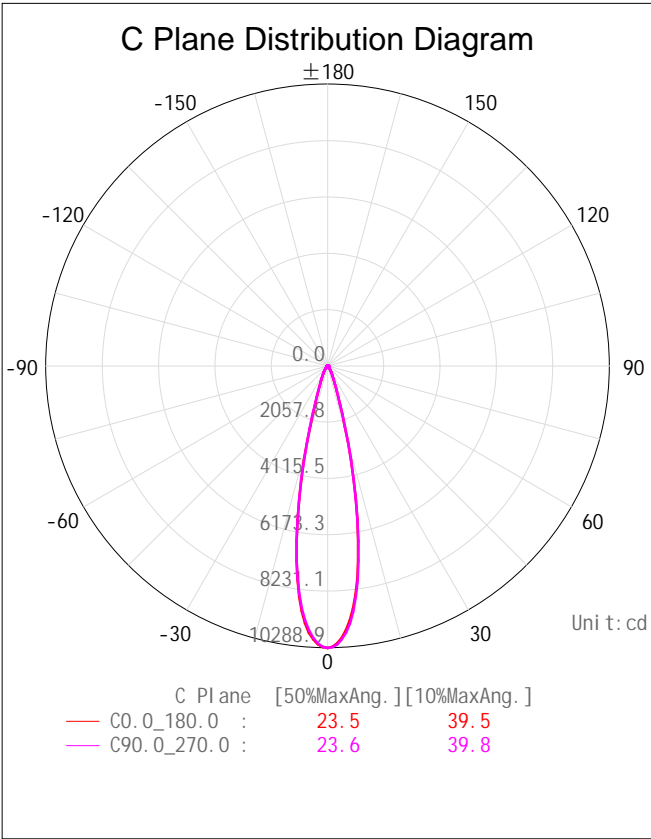
Indoor Luminaire Photometric Data

Description Information

| | | | |
|--|-------------------------|----------------------|--------------------------|
| Luminary Name: AT10031 | | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | | Lamp Catalog: C0B | Test Date: 2017/05/23 |
| Manufacture: | | Shld. Ang(°): 24 | Test Machine: GON-2000 |
| Test Lab: | | Frequency(Hz): 50 | Lamp CCT(K): 3000 Ra: 90 |
| Lum. Size(W*L*H): 0.200m*0.200m*0.000m | | Lum. Area(m2): 0.031 | Lum. W(kg): 0.000 |
| Test System: C, γ | Test Step: C=60.0 γ=1.0 | Temp. (°C): 25 | Humidity(%): 50.0 |

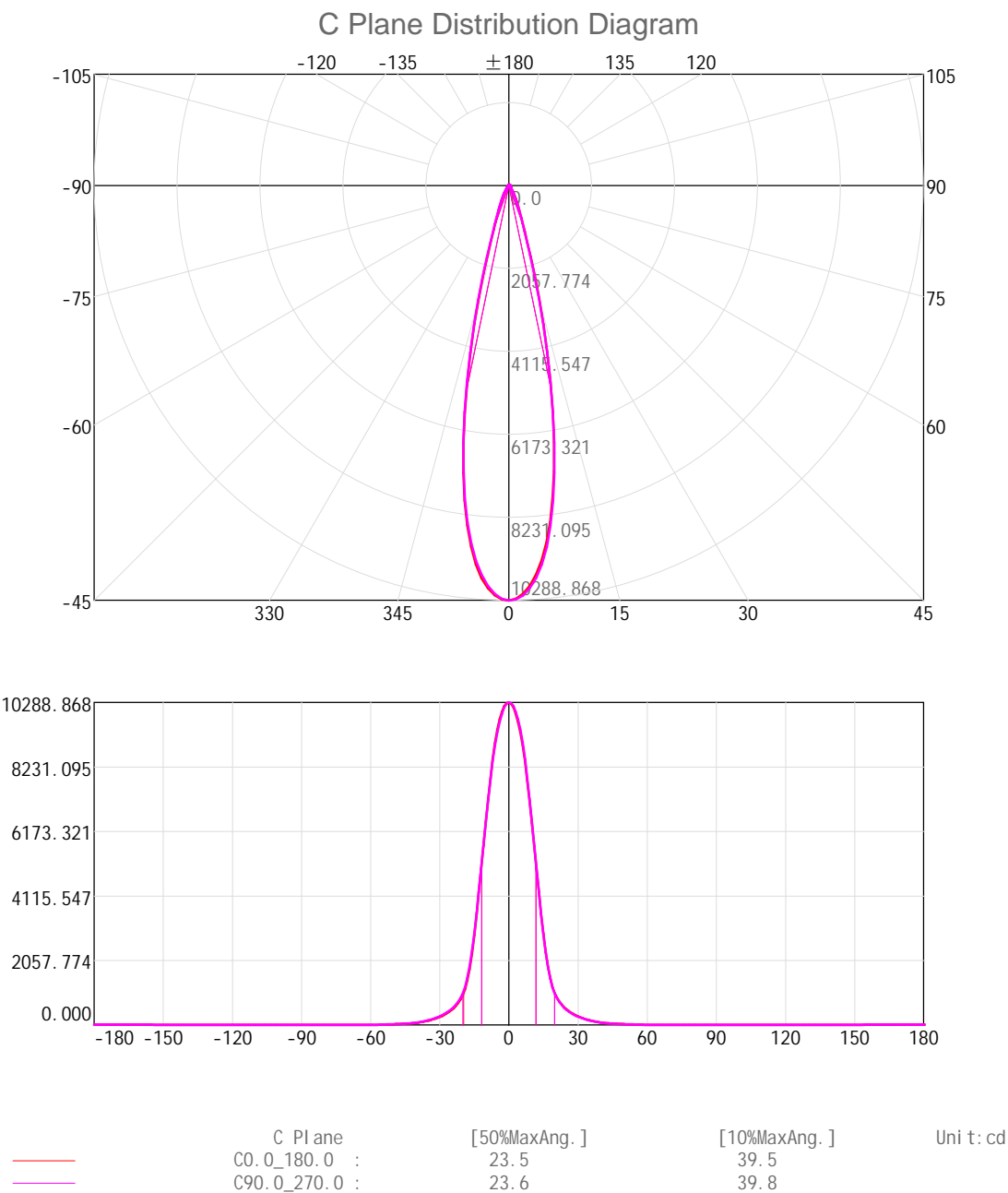
Character Parameter

| Lamp Speciality Parameter | | Luminaire Speciality Parameter | |
|--|---------------------|--------------------------------|------------------|
| Rated Flux(lm): | 2314.000 | Luminary Flux(lm): | 2104.198 |
| Rated Power(W): | 25 | Luminary Efficiency: | 90.93% |
| Rated Voltage(V): | 220 | Luminary EER(lm/W): | 84.168 |
| Tested Power(W): | 25.000 | Max. Candela(cd): | 10288.868 |
| Lamps' Inside: | 1 | Max Cand@Ang. (°): | C=0.0 γ=0.0 |
| Tested Electrics(V, A, pf): | 219.9, 0.109, 0.964 | Beam Angle(50%Imax): | 23.5(°) |
| Lamp Size(W*L*H): 0.200m*0.200m*0.000m | | Left=-11.8° , Right=11.8° | IRF(%): 1051.520 |



2D Plane Light Intensity Distribution Curve

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |



3D Light Intensity Distribution Modal

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

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 | 9.83 | 9.83 | 0.42 | 0.42 | 44.0-45.0 | 3.98 | 1986.24 | 0.17 | 85.84 |
| 1.0-2.0 | 29.28 | 39.11 | 1.27 | 1.69 | 45.0-46.0 | 3.72 | 1989.96 | 0.16 | 86.00 |
| 2.0-3.0 | 48.10 | 87.21 | 2.08 | 3.77 | 46.0-47.0 | 3.45 | 1993.41 | 0.15 | 86.15 |
| 3.0-4.0 | 65.86 | 153.07 | 2.85 | 6.61 | 47.0-48.0 | 3.19 | 1996.60 | 0.14 | 86.28 |
| 4.0-5.0 | 82.13 | 235.20 | 3.55 | 10.16 | 48.0-49.0 | 2.96 | 1999.56 | 0.13 | 86.41 |
| 5.0-6.0 | 96.41 | 331.61 | 4.17 | 14.33 | 49.0-50.0 | 2.76 | 2002.33 | 0.12 | 86.53 |
| 6.0-7.0 | 108.09 | 439.70 | 4.67 | 19.00 | 50.0-51.0 | 2.58 | 2004.91 | 0.11 | 86.64 |
| 7.0-8.0 | 116.71 | 556.41 | 5.04 | 24.05 | 51.0-52.0 | 2.43 | 2007.34 | 0.10 | 86.75 |
| 8.0-9.0 | 121.97 | 678.38 | 5.27 | 29.32 | 52.0-53.0 | 2.29 | 2009.63 | 0.10 | 86.85 |
| 9.0-10.0 | 123.72 | 802.10 | 5.35 | 34.66 | 53.0-54.0 | 2.16 | 2011.79 | 0.09 | 86.94 |
| 10.0-11.0 | 121.99 | 924.09 | 5.27 | 39.93 | 54.0-55.0 | 2.01 | 2013.80 | 0.09 | 87.03 |
| 11.0-12.0 | 117.11 | 1041.20 | 5.06 | 45.00 | 55.0-56.0 | 1.75 | 2015.55 | 0.08 | 87.10 |
| 12.0-13.0 | 109.56 | 1150.76 | 4.73 | 49.73 | 56.0-57.0 | 1.47 | 2017.02 | 0.06 | 87.17 |
| 13.0-14.0 | 99.86 | 1250.62 | 4.32 | 54.05 | 57.0-58.0 | 1.29 | 2018.31 | 0.06 | 87.22 |
| 14.0-15.0 | 88.62 | 1339.25 | 3.83 | 57.88 | 58.0-59.0 | 1.19 | 2019.49 | 0.05 | 87.27 |
| 15.0-16.0 | 76.63 | 1415.88 | 3.31 | 61.19 | 59.0-60.0 | 1.12 | 2020.61 | 0.05 | 87.32 |
| 16.0-17.0 | 64.96 | 1480.84 | 2.81 | 63.99 | 60.0-61.0 | 1.07 | 2021.69 | 0.05 | 87.37 |
| 17.0-18.0 | 54.72 | 1535.56 | 2.36 | 66.36 | 61.0-62.0 | 1.03 | 2022.72 | 0.04 | 87.41 |
| 18.0-19.0 | 46.52 | 1582.07 | 2.01 | 68.37 | 62.0-63.0 | 1.00 | 2023.71 | 0.04 | 87.46 |
| 19.0-20.0 | 40.27 | 1622.34 | 1.74 | 70.11 | 63.0-64.0 | 0.97 | 2024.68 | 0.04 | 87.50 |
| 20.0-21.0 | 35.54 | 1657.88 | 1.54 | 71.65 | 64.0-65.0 | 0.94 | 2025.62 | 0.04 | 87.54 |
| 21.0-22.0 | 31.86 | 1689.74 | 1.38 | 73.02 | 65.0-66.0 | 0.92 | 2026.55 | 0.04 | 87.58 |
| 22.0-23.0 | 28.86 | 1718.61 | 1.25 | 74.27 | 66.0-67.0 | 0.91 | 2027.45 | 0.04 | 87.62 |
| 23.0-24.0 | 26.33 | 1744.94 | 1.14 | 75.41 | 67.0-68.0 | 0.88 | 2028.33 | 0.04 | 87.65 |
| 24.0-25.0 | 24.12 | 1769.06 | 1.04 | 76.45 | 68.0-69.0 | 0.86 | 2029.19 | 0.04 | 87.69 |
| 25.0-26.0 | 22.14 | 1791.20 | 0.96 | 77.41 | 69.0-70.0 | 0.85 | 2030.04 | 0.04 | 87.73 |
| 26.0-27.0 | 20.33 | 1811.53 | 0.88 | 78.29 | 70.0-71.0 | 0.84 | 2030.89 | 0.04 | 87.77 |
| 27.0-28.0 | 18.69 | 1830.21 | 0.81 | 79.09 | 71.0-72.0 | 0.84 | 2031.73 | 0.04 | 87.80 |
| 28.0-29.0 | 17.19 | 1847.41 | 0.74 | 79.84 | 72.0-73.0 | 0.85 | 2032.58 | 0.04 | 87.84 |
| 29.0-30.0 | 15.81 | 1863.22 | 0.68 | 80.52 | 73.0-74.0 | 0.85 | 2033.43 | 0.04 | 87.88 |
| 30.0-31.0 | 14.53 | 1877.74 | 0.63 | 81.15 | 74.0-75.0 | 0.86 | 2034.29 | 0.04 | 87.91 |
| 31.0-32.0 | 13.33 | 1891.07 | 0.58 | 81.72 | 75.0-76.0 | 0.86 | 2035.14 | 0.04 | 87.95 |
| 32.0-33.0 | 12.21 | 1903.29 | 0.53 | 82.25 | 76.0-77.0 | 0.85 | 2035.99 | 0.04 | 87.99 |
| 33.0-34.0 | 11.16 | 1914.45 | 0.48 | 82.73 | 77.0-78.0 | 0.85 | 2036.84 | 0.04 | 88.02 |
| 34.0-35.0 | 10.15 | 1924.60 | 0.44 | 83.17 | 78.0-79.0 | 0.85 | 2037.69 | 0.04 | 88.06 |
| 35.0-36.0 | 9.22 | 1933.82 | 0.40 | 83.57 | 79.0-80.0 | 0.85 | 2038.54 | 0.04 | 88.10 |
| 36.0-37.0 | 8.39 | 1942.21 | 0.36 | 83.93 | 80.0-81.0 | 0.84 | 2039.38 | 0.04 | 88.13 |
| 37.0-38.0 | 7.62 | 1949.83 | 0.33 | 84.26 | 81.0-82.0 | 0.84 | 2040.22 | 0.04 | 88.17 |
| 38.0-39.0 | 6.85 | 1956.68 | 0.30 | 84.56 | 82.0-83.0 | 0.84 | 2041.06 | 0.04 | 88.20 |
| 39.0-40.0 | 6.13 | 1962.82 | 0.27 | 84.82 | 83.0-84.0 | 0.84 | 2041.90 | 0.04 | 88.24 |
| 40.0-41.0 | 5.52 | 1968.34 | 0.24 | 85.06 | 84.0-85.0 | 0.85 | 2042.75 | 0.04 | 88.28 |
| 41.0-42.0 | 5.03 | 1973.37 | 0.22 | 85.28 | 85.0-86.0 | 0.85 | 2043.61 | 0.04 | 88.31 |
| 42.0-43.0 | 4.62 | 1977.99 | 0.20 | 85.48 | 86.0-87.0 | 0.85 | 2044.46 | 0.04 | 88.35 |
| 43.0-44.0 | 4.27 | 1982.26 | 0.18 | 85.66 | 87.0-88.0 | 0.85 | 2045.31 | 0.04 | 88.39 |

IES Indoor Report

Photometric Filename:AT10031 25W 1204 3090 HK75-24D KG600.IES

Zonal Flux Tabulation - (Cont.)

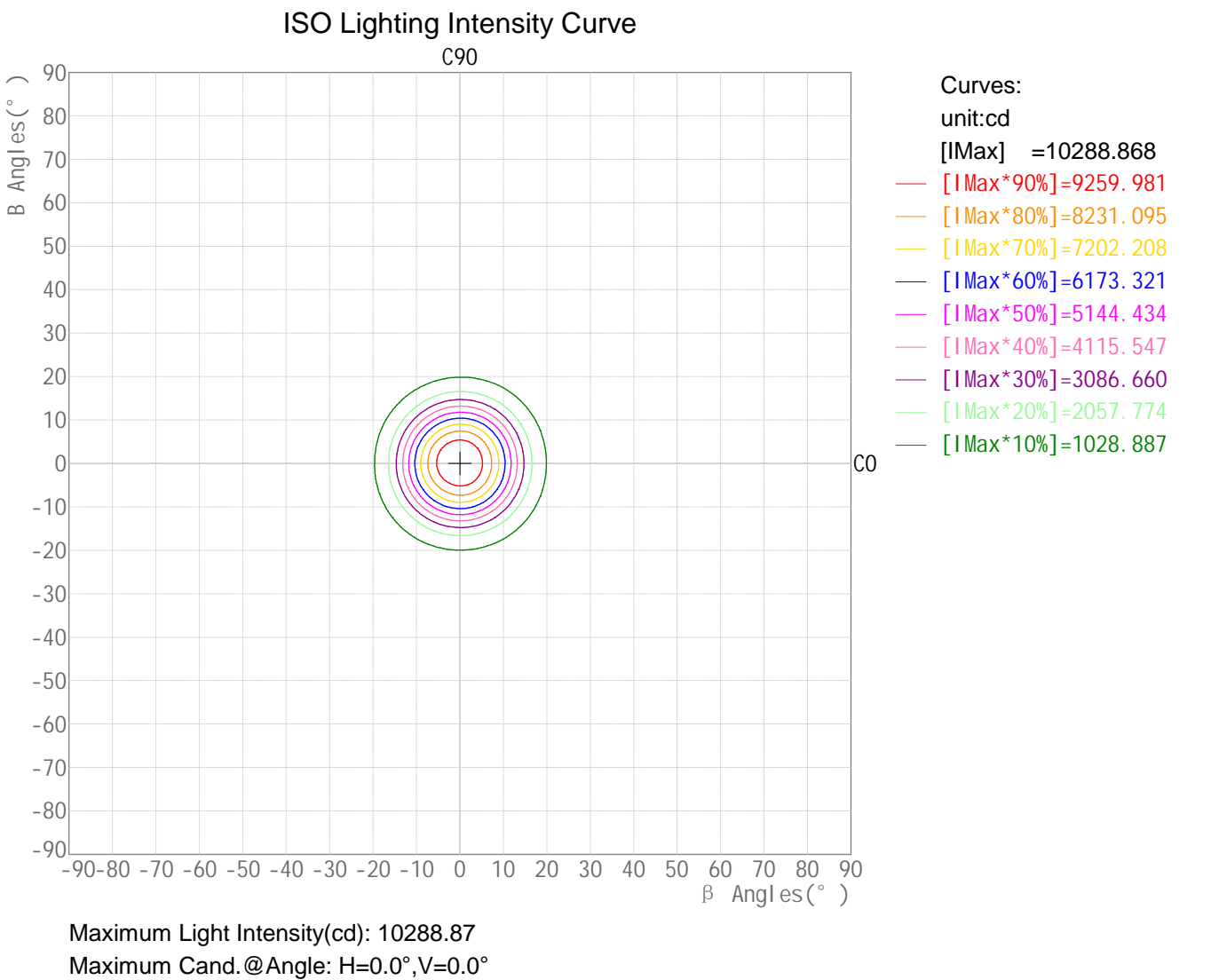
| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp | Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|-------------|-------------------|-------------------|-----------|-----------|-------------|-------------------|-------------------|-----------|-----------|
| 88.0-89.0 | 0.85 | 2046.16 | 0.04 | 88.43 | 132.0-133.0 | 0.64 | 2080.05 | 0.03 | 89.89 |
| 89.0-90.0 | 0.85 | 2047.02 | 0.04 | 88.46 | 133.0-134.0 | 0.64 | 2080.69 | 0.03 | 89.92 |
| 90.0-91.0 | 0.85 | 2047.86 | 0.04 | 88.50 | 134.0-135.0 | 0.63 | 2081.32 | 0.03 | 89.94 |
| 91.0-92.0 | 0.84 | 2048.71 | 0.04 | 88.54 | 135.0-136.0 | 0.63 | 2081.95 | 0.03 | 89.97 |
| 92.0-93.0 | 0.85 | 2049.55 | 0.04 | 88.57 | 136.0-137.0 | 0.63 | 2082.58 | 0.03 | 90.00 |
| 93.0-94.0 | 0.85 | 2050.40 | 0.04 | 88.61 | 137.0-138.0 | 0.62 | 2083.21 | 0.03 | 90.03 |
| 94.0-95.0 | 0.84 | 2051.24 | 0.04 | 88.64 | 138.0-139.0 | 0.62 | 2083.82 | 0.03 | 90.05 |
| 95.0-96.0 | 0.83 | 2052.07 | 0.04 | 88.68 | 139.0-140.0 | 0.61 | 2084.43 | 0.03 | 90.08 |
| 96.0-97.0 | 0.83 | 2052.91 | 0.04 | 88.72 | 140.0-141.0 | 0.61 | 2085.04 | 0.03 | 90.11 |
| 97.0-98.0 | 0.83 | 2053.74 | 0.04 | 88.75 | 141.0-142.0 | 0.61 | 2085.65 | 0.03 | 90.13 |
| 98.0-99.0 | 0.84 | 2054.58 | 0.04 | 88.79 | 142.0-143.0 | 0.62 | 2086.27 | 0.03 | 90.16 |
| 99.0-100.0 | 0.83 | 2055.41 | 0.04 | 88.82 | 143.0-144.0 | 0.62 | 2086.89 | 0.03 | 90.19 |
| 100.0-101.0 | 0.83 | 2056.24 | 0.04 | 88.86 | 144.0-145.0 | 0.62 | 2087.51 | 0.03 | 90.21 |
| 101.0-102.0 | 0.83 | 2057.06 | 0.04 | 88.90 | 145.0-146.0 | 0.63 | 2088.14 | 0.03 | 90.24 |
| 102.0-103.0 | 0.82 | 2057.89 | 0.04 | 88.93 | 146.0-147.0 | 0.63 | 2088.77 | 0.03 | 90.27 |
| 103.0-104.0 | 0.82 | 2058.71 | 0.04 | 88.97 | 147.0-148.0 | 0.64 | 2089.41 | 0.03 | 90.29 |
| 104.0-105.0 | 0.82 | 2059.53 | 0.04 | 89.00 | 148.0-149.0 | 0.65 | 2090.06 | 0.03 | 90.32 |
| 105.0-106.0 | 0.81 | 2060.34 | 0.04 | 89.04 | 149.0-150.0 | 0.65 | 2090.71 | 0.03 | 90.35 |
| 106.0-107.0 | 0.81 | 2061.15 | 0.03 | 89.07 | 150.0-151.0 | 0.66 | 2091.37 | 0.03 | 90.38 |
| 107.0-108.0 | 0.81 | 2061.96 | 0.03 | 89.11 | 151.0-152.0 | 0.67 | 2092.03 | 0.03 | 90.41 |
| 108.0-109.0 | 0.80 | 2062.76 | 0.03 | 89.14 | 152.0-153.0 | 0.67 | 2092.70 | 0.03 | 90.44 |
| 109.0-110.0 | 0.79 | 2063.55 | 0.03 | 89.18 | 153.0-154.0 | 0.67 | 2093.38 | 0.03 | 90.47 |
| 110.0-111.0 | 0.78 | 2064.33 | 0.03 | 89.21 | 154.0-155.0 | 0.67 | 2094.05 | 0.03 | 90.49 |
| 111.0-112.0 | 0.78 | 2065.11 | 0.03 | 89.24 | 155.0-156.0 | 0.67 | 2094.71 | 0.03 | 90.52 |
| 112.0-113.0 | 0.78 | 2065.89 | 0.03 | 89.28 | 156.0-157.0 | 0.67 | 2095.38 | 0.03 | 90.55 |
| 113.0-114.0 | 0.78 | 2066.67 | 0.03 | 89.31 | 157.0-158.0 | 0.66 | 2096.04 | 0.03 | 90.58 |
| 114.0-115.0 | 0.77 | 2067.44 | 0.03 | 89.34 | 158.0-159.0 | 0.65 | 2096.69 | 0.03 | 90.61 |
| 115.0-116.0 | 0.76 | 2068.20 | 0.03 | 89.38 | 159.0-160.0 | 0.64 | 2097.33 | 0.03 | 90.64 |
| 116.0-117.0 | 0.75 | 2068.95 | 0.03 | 89.41 | 160.0-161.0 | 0.63 | 2097.96 | 0.03 | 90.66 |
| 117.0-118.0 | 0.75 | 2069.69 | 0.03 | 89.44 | 161.0-162.0 | 0.61 | 2098.57 | 0.03 | 90.69 |
| 118.0-119.0 | 0.74 | 2070.43 | 0.03 | 89.47 | 162.0-163.0 | 0.59 | 2099.16 | 0.03 | 90.72 |
| 119.0-120.0 | 0.73 | 2071.16 | 0.03 | 89.51 | 163.0-164.0 | 0.56 | 2099.72 | 0.02 | 90.74 |
| 120.0-121.0 | 0.72 | 2071.88 | 0.03 | 89.54 | 164.0-165.0 | 0.54 | 2100.26 | 0.02 | 90.76 |
| 121.0-122.0 | 0.71 | 2072.60 | 0.03 | 89.57 | 165.0-166.0 | 0.51 | 2100.77 | 0.02 | 90.79 |
| 122.0-123.0 | 0.71 | 2073.31 | 0.03 | 89.60 | 166.0-167.0 | 0.48 | 2101.25 | 0.02 | 90.81 |
| 123.0-124.0 | 0.71 | 2074.01 | 0.03 | 89.63 | 167.0-168.0 | 0.45 | 2101.69 | 0.02 | 90.83 |
| 124.0-125.0 | 0.70 | 2074.71 | 0.03 | 89.66 | 168.0-169.0 | 0.41 | 2102.10 | 0.02 | 90.84 |
| 125.0-126.0 | 0.69 | 2075.40 | 0.03 | 89.69 | 169.0-170.0 | 0.37 | 2102.48 | 0.02 | 90.86 |
| 126.0-127.0 | 0.68 | 2076.09 | 0.03 | 89.72 | 170.0-171.0 | 0.34 | 2102.82 | 0.01 | 90.87 |
| 127.0-128.0 | 0.68 | 2076.76 | 0.03 | 89.75 | 171.0-172.0 | 0.30 | 2103.11 | 0.01 | 90.89 |
| 128.0-129.0 | 0.67 | 2077.43 | 0.03 | 89.78 | 172.0-173.0 | 0.26 | 2103.37 | 0.01 | 90.90 |
| 129.0-130.0 | 0.66 | 2078.10 | 0.03 | 89.81 | 173.0-174.0 | 0.22 | 2103.60 | 0.01 | 90.91 |
| 130.0-131.0 | 0.66 | 2078.75 | 0.03 | 89.83 | 174.0-175.0 | 0.19 | 2103.78 | 0.01 | 90.92 |
| 131.0-132.0 | 0.65 | 2079.41 | 0.03 | 89.86 | 175.0-176.0 | 0.15 | 2103.93 | 0.01 | 90.92 |

Zonal Flux Tabulation - (Cont.)

| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|-------------|-------------------|-------------------|-----------|-----------|
| 176.0-177.0 | 0.12 | 2104.05 | 0.01 | 90.93 |
| 177.0-178.0 | 0.08 | 2104.13 | 0.00 | 90.93 |
| 178.0-179.0 | 0.05 | 2104.18 | 0.00 | 90.93 |
| 179.0-180.0 | 0.02 | 2104.20 | 0.00 | 90.93 |

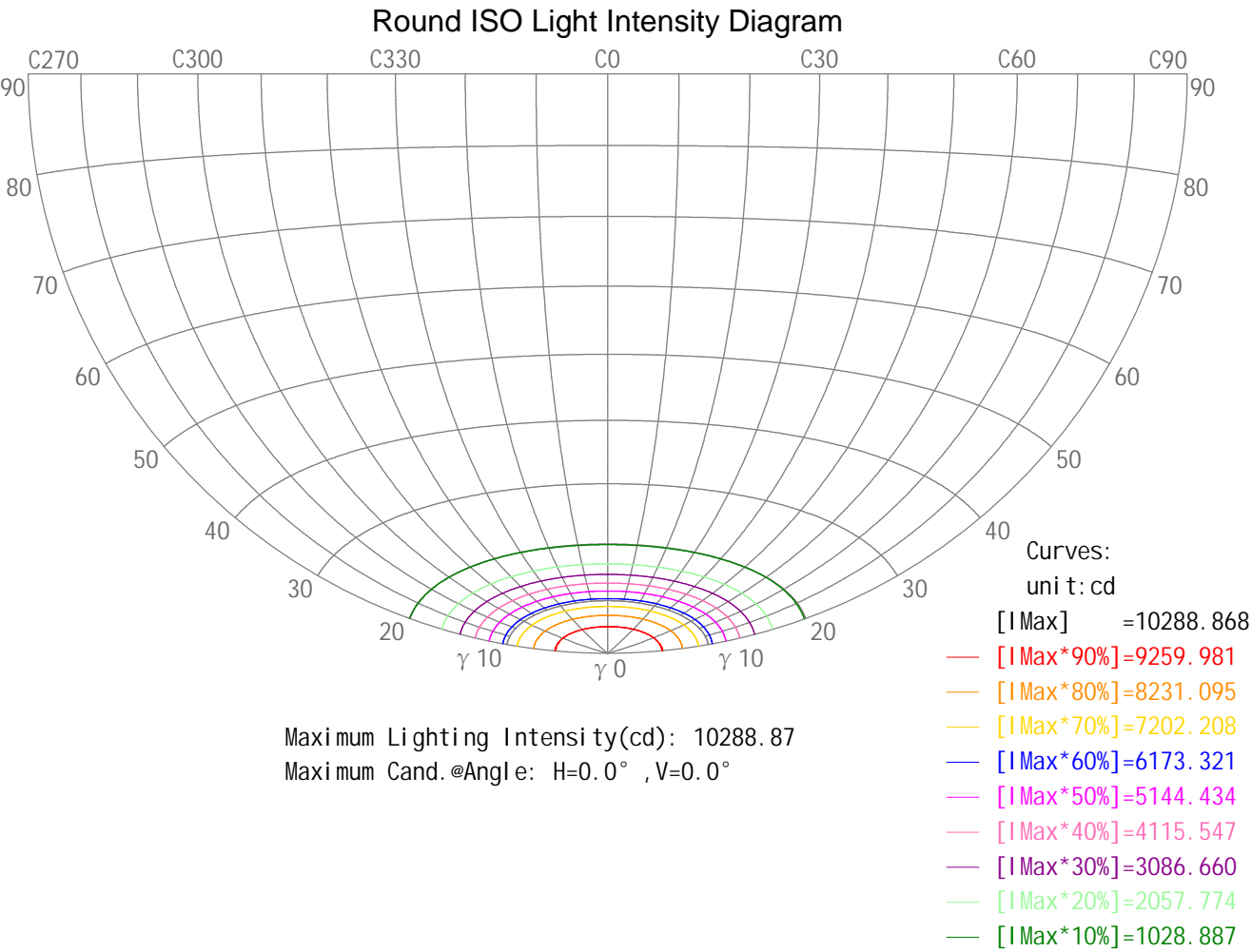
Rectangle ISO Lighting Intensity Diagram

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |



Round ISO Lighting Intensity Diagram

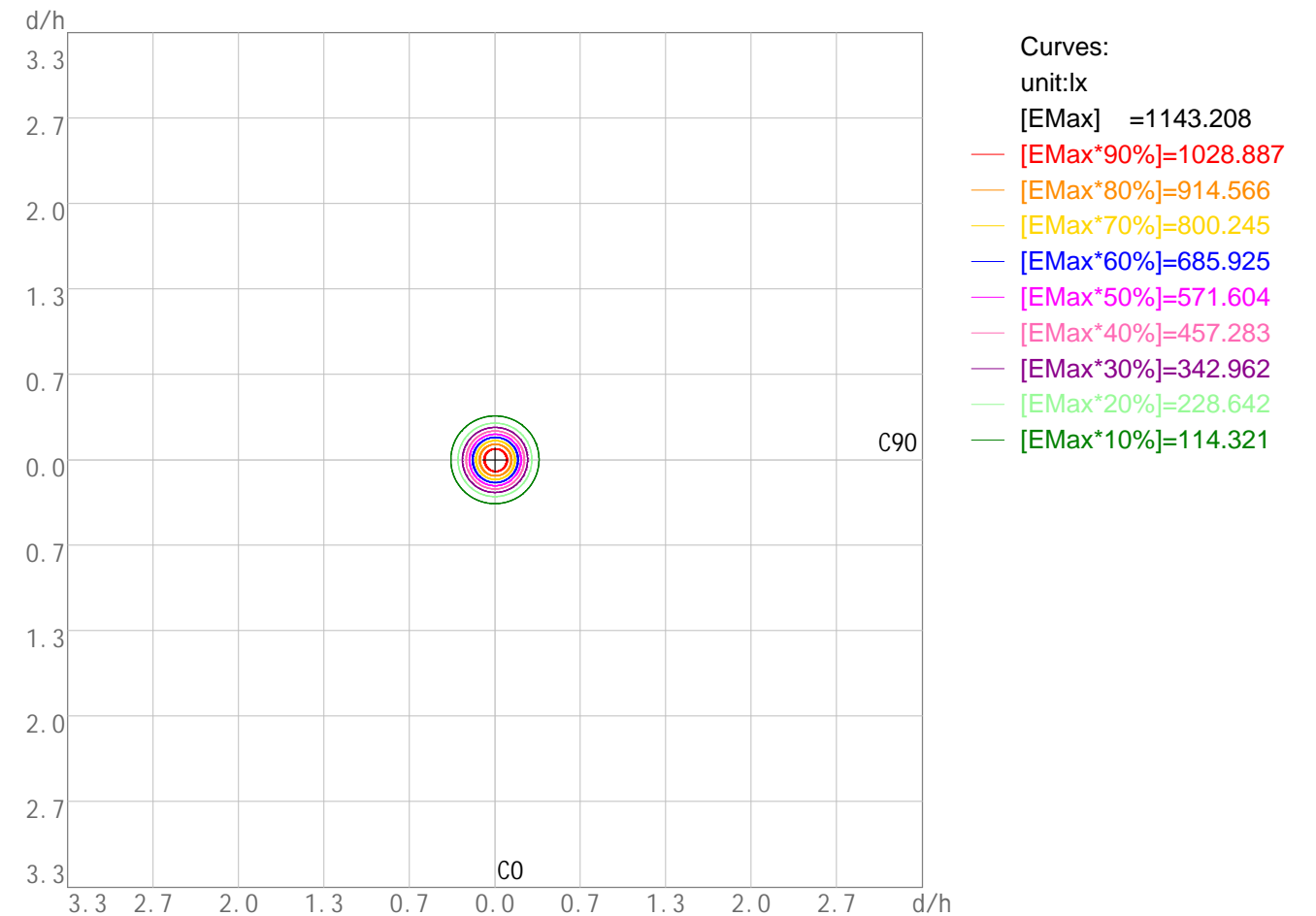
| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: C0B | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |



Plane ISO-Illuminance Diagram

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 1143.21
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |

3D Plane Illuminance Model



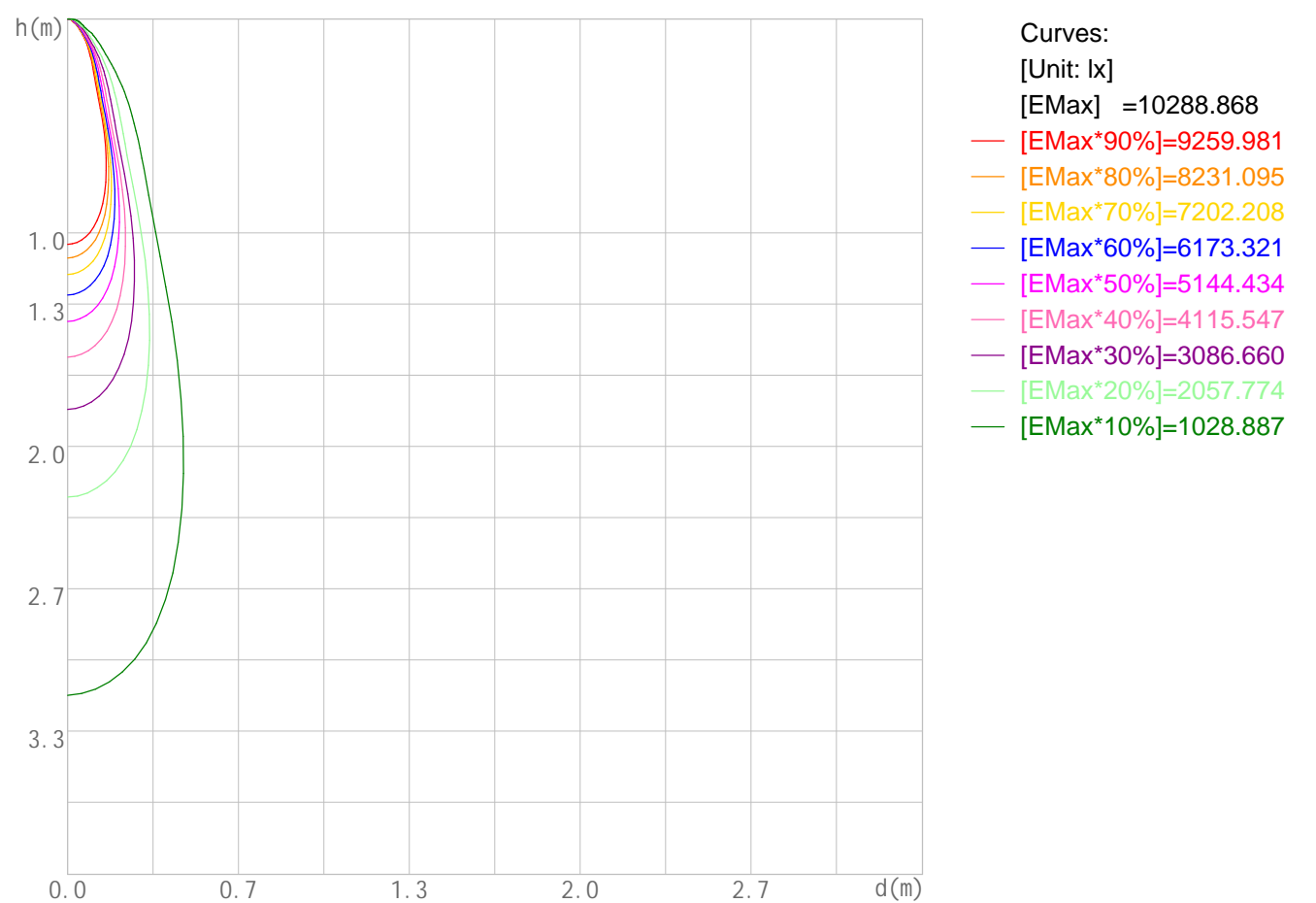
Curves: 3D Model— 90%— 80%— 70%— 60%— 50%— 40%— 30%— 20%— 10%—

View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |

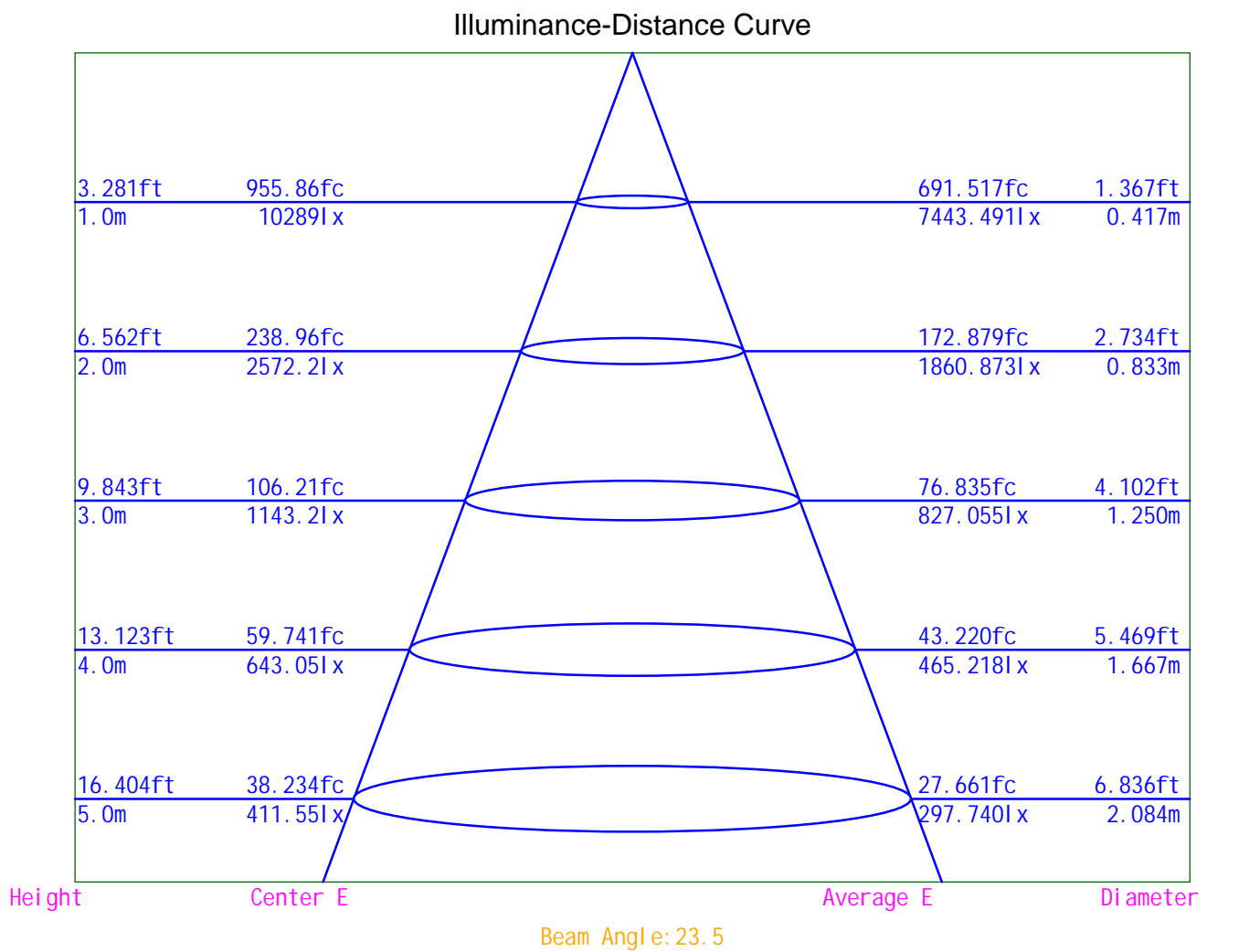
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:10288.87lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:10288.868cd,0deg

Illuminance-Distance Diagram

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |



Indoor Luminance Limiting Curves

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: C0B | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |

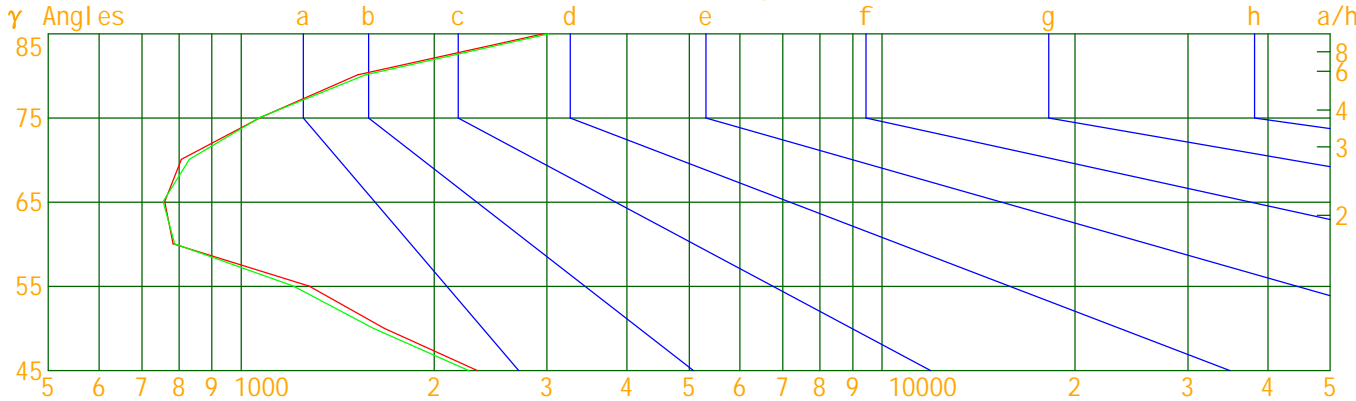
Glare Grade Table

| Gl | 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 | 2336 | 1672 | 1276 | 783 | 760 | 806 | 1075 | 1520 | 2962 |
| C90 | 2264 | 1609 | 1207 | 788 | 755 | 830 | 1073 | 1562 | 3019 |

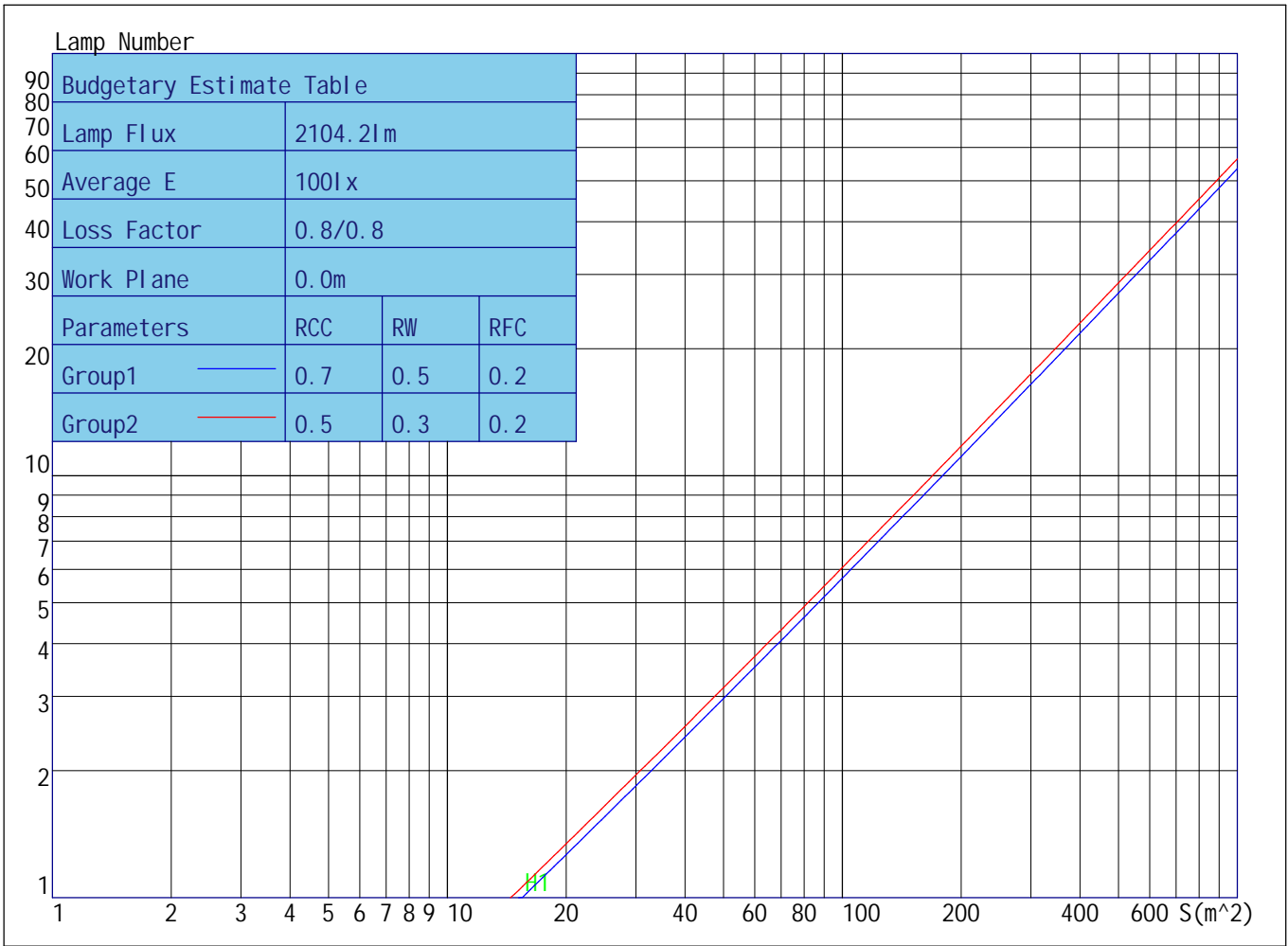
Luminance Limiting Curve



Luminous Size: Length(m)=-0.200 Width(m)=-0.200 Height(m)=0.000 Area(m^2)=0.031416
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8

Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8

Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

Indoor Coefficient of Utilization Table

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |

| 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 | 108 | 108 | 108 | 108 | 105 | 105 | 105 | 105 | 100 | 100 | 100 | 95 | 95 | 95 | 91 | 91 | 91 | 88 |
| 1 | 104 | 102 | 100 | 98 | 101 | 99 | 98 | 96 | 95 | 94 | 93 | 92 | 91 | 90 | 88 | 87 | 87 | 85 |
| 2 | 100 | 96 | 94 | 91 | 98 | 95 | 92 | 90 | 92 | 89 | 88 | 89 | 87 | 85 | 86 | 84 | 83 | 82 |
| 3 | 97 | 92 | 89 | 86 | 95 | 91 | 88 | 85 | 88 | 86 | 83 | 86 | 84 | 82 | 83 | 82 | 80 | 79 |
| 4 | 93 | 88 | 85 | 82 | 92 | 87 | 84 | 81 | 85 | 82 | 80 | 83 | 81 | 79 | 81 | 79 | 78 | 76 |
| 5 | 91 | 85 | 81 | 78 | 89 | 84 | 81 | 78 | 82 | 79 | 77 | 81 | 78 | 76 | 79 | 77 | 75 | 74 |
| 6 | 88 | 82 | 78 | 75 | 87 | 81 | 78 | 75 | 80 | 77 | 74 | 78 | 76 | 74 | 77 | 75 | 73 | 72 |
| 7 | 85 | 79 | 75 | 73 | 84 | 79 | 75 | 72 | 78 | 74 | 72 | 76 | 74 | 71 | 75 | 73 | 71 | 70 |
| 8 | 83 | 77 | 73 | 70 | 82 | 76 | 73 | 70 | 75 | 72 | 70 | 74 | 72 | 69 | 73 | 71 | 69 | 68 |
| 9 | 81 | 75 | 71 | 68 | 80 | 74 | 71 | 68 | 73 | 70 | 68 | 73 | 70 | 68 | 72 | 69 | 67 | 66 |
| 10 | 79 | 73 | 69 | 67 | 78 | 72 | 69 | 66 | 72 | 68 | 66 | 71 | 68 | 66 | 70 | 68 | 66 | 65 |

IES Indoor Report

Photometric Filename:AT10031 25W 1204 3090 HK75-24D KG600.IES

Unified Glare Rating Table

| | | |
|--------------------|------------------------|-----------------------|
| Lum. Name: AT10031 | Lum. Catalog: | Test ID: |
| Lamp Name: 1204 | Lamp Catalog: COB | Test Lab: |
| Manufacture: | Test Machine: GON-2000 | Test Date: 2017/05/23 |

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 | 7.3 | 8.0 | 7.7 | 8.4 | 8.8 | 7.2 | 7.9 | 7.6 | 8.3 | 8.7 | |
| | Y=3H | 7.6 | 8.2 | 8.0 | 8.6 | 9.0 | 7.5 | 8.1 | 7.9 | 8.5 | 8.9 |
| | Y=4H | 7.9 | 8.5 | 8.4 | 8.9 | 9.4 | 7.9 | 8.4 | 8.3 | 8.8 | 9.3 |
| | Y=6H | 8.5 | 9.0 | 9.0 | 9.5 | 9.9 | 8.5 | 9.0 | 9.0 | 9.5 | 9.9 |
| | Y=8H | 9.0 | 9.4 | 9.5 | 9.9 | 10.4 | 9.0 | 9.5 | 9.5 | 9.9 | 10.4 |
| | Y=12H | 9.7 | 10.1 | 10.2 | 10.5 | 11.0 | 9.7 | 10.1 | 10.2 | 10.6 | 11.1 |
| X=4H Y=2H | 7.2 | 7.8 | 7.7 | 8.2 | 8.6 | 7.1 | 7.6 | 7.6 | 8.1 | 8.5 | |
| | Y=3H | 7.7 | 8.1 | 8.2 | 8.6 | 9.0 | 7.6 | 8.0 | 8.1 | 8.5 | 9.0 |
| | Y=4H | 8.2 | 8.6 | 8.7 | 9.1 | 9.6 | 8.2 | 8.6 | 8.7 | 9.1 | 9.6 |
| | Y=6H | 9.2 | 9.4 | 9.7 | 9.9 | 10.5 | 9.2 | 9.5 | 9.8 | 10.0 | 10.6 |
| | Y=8H | 9.8 | 10.1 | 10.4 | 10.6 | 11.1 | 9.9 | 10.1 | 10.5 | 10.7 | 11.2 |
| | Y=12H | 10.8 | 10.9 | 11.3 | 11.5 | 12.0 | 10.8 | 11.0 | 11.4 | 11.5 | 12.1 |
| X=8H Y=4H | 8.4 | 8.7 | 9.0 | 9.2 | 9.7 | 8.5 | 8.7 | 9.0 | 9.2 | 9.7 | |
| | Y=6H | 9.7 | 9.8 | 10.3 | 10.4 | 10.9 | 9.8 | 9.9 | 10.4 | 10.5 | 11.0 |
| | Y=8H | 10.6 | 10.7 | 11.2 | 11.3 | 11.8 | 10.7 | 10.8 | 11.3 | 11.4 | 12.0 |
| | Y=12H | 11.8 | 11.9 | 12.4 | 12.4 | 13.1 | 12.0 | 12.0 | 12.5 | 12.5 | 13.2 |
| X=12H Y=4H | 8.5 | 8.6 | 9.0 | 9.2 | 9.7 | 8.5 | 8.7 | 9.1 | 9.2 | 9.8 | |
| | Y=6H | 9.9 | 9.9 | 10.5 | 10.5 | 11.1 | 10.0 | 10.1 | 10.6 | 10.6 | 11.2 |
| | Y=8H | 10.9 | 10.9 | 11.5 | 11.5 | 12.2 | 11.0 | 11.1 | 11.6 | 11.6 | 12.3 |
| Variations with the objverver position at spacings | | | | | | | | | | | |
| S=1.0H | 0.1/-0.1 | | | | | 0.0/-0.0 | | | | | |
| S=1.5H | 0.1/-0.2 | | | | | 0.1/-0.1 | | | | | |
| S=2.0H | 0.2/-0.3 | | | | | 0.1/-0.3 | | | | | |
| Reduced UGR Table: | | | | | | | | | | | |
| Nordic Standard Table: | BK0 | | | | | BK0 | | | | | |
| Correction Value | 3.1 | | | | | 3.2 | | | | | |

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

IES Indoor Report

Photometric Filename:AT10031 25W 1204 3090 HK75-24D KG600.IES

Candela Tabulation

| V/H | C0.0 | C60.0 | C120.0 | C180.0 | C240.0 | C300.0 |
|--------|---------|---------|---------|---------|---------|---------|
| γ 0.0 | 10288.9 | 10288.9 | 10288.9 | 10288.9 | 10288.9 | 10288.9 |
| γ 1.0 | 10244.6 | 10260.0 | 10262.3 | 10263.5 | 10242.8 | 10246.1 |
| γ 2.0 | 10124.8 | 10166.6 | 10168.8 | 10164.0 | 10121.9 | 10129.8 |
| γ 3.0 | 9932.8 | 9993.6 | 10001.7 | 9996.1 | 9927.4 | 9939.9 |
| γ 4.0 | 9666.4 | 9743.5 | 9757.3 | 9752.6 | 9660.8 | 9682.9 |
| γ 5.0 | 9331.4 | 9420.3 | 9430.9 | 9425.5 | 9322.0 | 9357.4 |
| γ 6.0 | 8912.1 | 9009.0 | 9006.8 | 9001.6 | 8901.1 | 8949.2 |
| γ 7.0 | 8402.3 | 8505.2 | 8481.9 | 8483.9 | 8389.8 | 8447.3 |
| γ 8.0 | 7813.2 | 7916.9 | 7866.4 | 7880.8 | 7800.5 | 7859.7 |
| γ 9.0 | 7161.0 | 7253.9 | 7176.5 | 7210.5 | 7153.3 | 7204.8 |
| γ 10.0 | 6452.6 | 6537.3 | 6438.0 | 6483.7 | 6455.7 | 6498.9 |
| γ 11.0 | 5706.2 | 5790.2 | 5681.9 | 5731.3 | 5717.8 | 5760.8 |
| γ 12.0 | 4963.0 | 5035.3 | 4930.2 | 4982.0 | 4968.4 | 5012.0 |
| γ 13.0 | 4240.0 | 4297.3 | 4197.6 | 4243.0 | 4239.2 | 4282.1 |
| γ 14.0 | 3550.4 | 3594.7 | 3495.8 | 3530.2 | 3546.9 | 3593.8 |
| γ 15.0 | 2906.2 | 2944.9 | 2843.4 | 2863.3 | 2906.6 | 2956.3 |
| γ 16.0 | 2327.3 | 2365.7 | 2270.1 | 2273.3 | 2336.1 | 2384.4 |
| γ 17.0 | 1845.5 | 1881.1 | 1798.4 | 1789.8 | 1857.6 | 1899.0 |
| γ 18.0 | 1475.3 | 1503.8 | 1435.5 | 1423.3 | 1486.9 | 1516.8 |
| γ 19.0 | 1204.3 | 1225.3 | 1168.8 | 1156.2 | 1213.2 | 1232.6 |
| γ 20.0 | 1005.8 | 1022.4 | 973.8 | 961.6 | 1012.3 | 1024.6 |
| γ 21.0 | 857.9 | 870.6 | 827.7 | 816.6 | 862.2 | 869.8 |
| γ 22.0 | 742.2 | 751.4 | 713.6 | 704.3 | 746.0 | 750.4 |
| γ 23.0 | 648.7 | 654.7 | 620.9 | 614.0 | 652.8 | 654.9 |
| γ 24.0 | 571.4 | 574.6 | 544.0 | 539.2 | 575.2 | 575.8 |
| γ 25.0 | 505.4 | 506.6 | 479.2 | 475.8 | 508.8 | 508.5 |
| γ 26.0 | 448.5 | 448.3 | 423.2 | 420.6 | 451.3 | 450.5 |
| γ 27.0 | 398.8 | 397.2 | 374.4 | 372.6 | 401.1 | 400.0 |
| γ 28.0 | 355.5 | 352.6 | 332.5 | 330.8 | 357.2 | 356.0 |
| γ 29.0 | 317.7 | 313.9 | 296.3 | 294.5 | 318.3 | 317.2 |
| γ 30.0 | 284.2 | 279.4 | 264.2 | 261.8 | 283.7 | 282.6 |
| γ 31.0 | 254.0 | 249.0 | 236.1 | 233.0 | 252.6 | 251.5 |
| γ 32.0 | 226.9 | 221.9 | 211.1 | 207.2 | 224.9 | 223.6 |
| γ 33.0 | 202.4 | 197.7 | 188.6 | 184.8 | 199.8 | 198.6 |
| γ 34.0 | 180.0 | 175.7 | 167.9 | 163.6 | 177.2 | 176.1 |
| γ 35.0 | 158.7 | 156.0 | 149.3 | 145.0 | 156.5 | 155.3 |
| γ 36.0 | 140.5 | 138.9 | 133.2 | 128.7 | 138.9 | 136.7 |
| γ 37.0 | 125.3 | 123.8 | 118.7 | 114.7 | 123.4 | 121.0 |
| γ 38.0 | 111.2 | 109.5 | 105.0 | 101.1 | 109.2 | 106.7 |
| γ 39.0 | 97.0 | 95.8 | 91.9 | 88.5 | 95.3 | 93.4 |
| γ 40.0 | 85.3 | 84.2 | 80.9 | 78.1 | 83.2 | 81.5 |
| γ 41.0 | 75.9 | 74.8 | 72.2 | 69.4 | 73.6 | 71.8 |
| γ 42.0 | 68.0 | 67.1 | 65.1 | 62.4 | 65.9 | 64.1 |
| γ 43.0 | 61.5 | 60.7 | 59.1 | 56.9 | 59.6 | 57.4 |

VOLNIC GON-2000 分布光度计,伏达光电技术有限公司

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IES Indoor Report

Photometric Filename:AT10031 25W 1204 3090 HK75-24D KG600.IES

Candela Tabulation - (Cont.)

| V/H | C0.0 | C60.0 | C120.0 | C180.0 | C240.0 | C300.0 |
|--------|------|-------|--------|--------|--------|--------|
| γ 44.0 | 56.4 | 55.7 | 54.0 | 52.0 | 54.0 | 52.0 |
| γ 45.0 | 51.9 | 51.1 | 49.5 | 48.2 | 49.5 | 47.7 |
| γ 46.0 | 47.9 | 46.4 | 45.2 | 43.9 | 45.5 | 43.4 |
| γ 47.0 | 43.8 | 42.2 | 41.3 | 40.0 | 41.3 | 39.3 |
| γ 48.0 | 40.0 | 38.4 | 38.1 | 36.5 | 37.5 | 35.6 |
| γ 49.0 | 36.8 | 35.3 | 35.1 | 33.6 | 34.1 | 32.3 |
| γ 50.0 | 33.8 | 32.5 | 32.5 | 30.8 | 31.5 | 29.5 |
| γ 51.0 | 30.8 | 30.1 | 30.3 | 28.4 | 29.1 | 27.0 |
| γ 52.0 | 28.6 | 28.0 | 28.4 | 26.5 | 26.9 | 25.0 |
| γ 53.0 | 26.5 | 26.2 | 26.6 | 24.7 | 24.9 | 23.5 |
| γ 54.0 | 25.0 | 24.7 | 24.6 | 22.8 | 23.1 | 22.0 |
| γ 55.0 | 23.0 | 22.0 | 21.5 | 20.5 | 20.5 | 20.3 |
| γ 56.0 | 18.6 | 18.1 | 17.7 | 15.8 | 16.9 | 17.3 |
| γ 57.0 | 15.6 | 15.4 | 15.3 | 13.6 | 13.9 | 14.4 |
| γ 58.0 | 14.4 | 13.8 | 14.0 | 12.1 | 12.2 | 12.8 |
| γ 59.0 | 13.3 | 13.0 | 12.9 | 11.1 | 11.1 | 11.6 |
| γ 60.0 | 12.3 | 12.4 | 12.4 | 10.8 | 10.5 | 10.6 |
| γ 61.0 | 11.6 | 12.0 | 11.8 | 10.0 | 10.1 | 10.2 |
| γ 62.0 | 11.4 | 11.4 | 11.2 | 9.5 | 9.6 | 9.6 |
| γ 63.0 | 10.9 | 10.9 | 10.7 | 9.5 | 8.9 | 9.3 |
| γ 64.0 | 10.5 | 10.5 | 10.3 | 9.2 | 8.7 | 9.1 |
| γ 65.0 | 10.1 | 10.0 | 10.0 | 8.7 | 8.4 | 8.7 |
| γ 66.0 | 10.0 | 9.8 | 9.9 | 8.4 | 8.4 | 8.4 |
| γ 67.0 | 9.3 | 9.6 | 9.5 | 8.3 | 8.3 | 8.2 |
| γ 68.0 | 8.9 | 9.4 | 9.2 | 7.6 | 8.1 | 7.9 |
| γ 69.0 | 8.9 | 9.2 | 9.0 | 7.8 | 7.7 | 7.7 |
| γ 70.0 | 8.7 | 9.0 | 8.8 | 7.6 | 7.4 | 7.6 |
| γ 71.0 | 8.5 | 8.9 | 9.0 | 7.7 | 7.3 | 7.5 |
| γ 72.0 | 8.4 | 8.8 | 9.0 | 7.6 | 7.2 | 7.6 |
| γ 73.0 | 8.6 | 8.8 | 8.8 | 7.3 | 7.3 | 7.6 |
| γ 74.0 | 8.8 | 8.7 | 8.9 | 7.5 | 7.4 | 7.6 |
| γ 75.0 | 8.7 | 8.6 | 8.9 | 7.8 | 7.2 | 7.6 |
| γ 76.0 | 8.2 | 8.5 | 8.7 | 7.6 | 7.3 | 7.5 |
| γ 77.0 | 8.4 | 8.4 | 8.7 | 7.5 | 7.1 | 7.4 |
| γ 78.0 | 8.1 | 8.4 | 8.7 | 7.4 | 7.3 | 7.4 |
| γ 79.0 | 8.5 | 8.4 | 8.8 | 7.4 | 7.3 | 7.5 |
| γ 80.0 | 8.3 | 8.3 | 8.7 | 7.3 | 7.1 | 7.5 |
| γ 81.0 | 7.9 | 8.2 | 8.5 | 7.3 | 6.9 | 7.5 |
| γ 82.0 | 8.2 | 8.2 | 8.3 | 7.0 | 6.9 | 7.5 |
| γ 83.0 | 8.4 | 8.2 | 8.2 | 7.2 | 7.0 | 7.5 |
| γ 84.0 | 8.3 | 8.2 | 8.3 | 6.9 | 7.2 | 7.6 |
| γ 85.0 | 8.1 | 8.2 | 8.3 | 7.5 | 7.1 | 7.6 |
| γ 86.0 | 8.0 | 8.4 | 8.3 | 7.4 | 7.1 | 7.6 |
| γ 87.0 | 8.4 | 8.1 | 8.4 | 7.0 | 7.1 | 7.7 |

IES Indoor Report

Photometric Filename:AT10031 25W 1204 3090 HK75-24D KG600.IES

Candela Tabulation - (Cont.)

| V/H | C0.0 | C60.0 | C120.0 | C180.0 | C240.0 | C300.0 |
|---------|------|-------|--------|--------|--------|--------|
| γ 88.0 | 8.2 | 8.2 | 8.4 | 7.1 | 7.0 | 7.7 |
| γ 89.0 | 8.1 | 8.1 | 8.3 | 7.2 | 7.3 | 7.6 |
| γ 90.0 | 8.2 | 8.1 | 8.2 | 7.4 | 7.3 | 7.5 |
| γ 91.0 | 8.1 | 7.9 | 8.2 | 7.3 | 7.1 | 7.5 |
| γ 92.0 | 8.1 | 8.0 | 8.2 | 7.3 | 7.2 | 7.4 |
| γ 93.0 | 8.2 | 8.2 | 8.2 | 7.1 | 7.4 | 7.4 |
| γ 94.0 | 8.1 | 8.0 | 8.1 | 7.4 | 7.3 | 7.3 |
| γ 95.0 | 7.8 | 8.0 | 8.2 | 7.3 | 7.1 | 7.3 |
| γ 96.0 | 7.9 | 8.1 | 8.0 | 7.3 | 7.3 | 7.4 |
| γ 97.0 | 7.9 | 7.9 | 8.1 | 7.1 | 7.4 | 7.5 |
| γ 98.0 | 8.0 | 7.8 | 8.1 | 7.4 | 7.4 | 7.4 |
| γ 99.0 | 8.0 | 7.9 | 8.0 | 7.6 | 7.5 | 7.3 |
| γ 100.0 | 7.9 | 8.0 | 8.0 | 7.4 | 7.4 | 7.3 |
| γ 101.0 | 8.1 | 8.1 | 8.0 | 7.4 | 7.5 | 7.4 |
| γ 102.0 | 7.8 | 8.0 | 8.0 | 7.4 | 7.4 | 7.4 |
| γ 103.0 | 8.0 | 8.2 | 8.1 | 7.3 | 7.2 | 7.4 |
| γ 104.0 | 8.2 | 8.0 | 8.1 | 7.4 | 7.4 | 7.5 |
| γ 105.0 | 7.9 | 8.0 | 8.1 | 7.4 | 7.2 | 7.4 |
| γ 106.0 | 7.9 | 7.9 | 8.1 | 7.6 | 7.2 | 7.4 |
| γ 107.0 | 7.9 | 7.8 | 8.1 | 7.5 | 7.4 | 7.6 |
| γ 108.0 | 8.1 | 7.6 | 8.2 | 7.4 | 7.4 | 7.5 |
| γ 109.0 | 7.8 | 7.6 | 8.3 | 7.6 | 7.3 | 7.4 |
| γ 110.0 | 7.7 | 7.6 | 8.2 | 7.3 | 7.5 | 7.5 |
| γ 111.0 | 7.5 | 7.7 | 8.2 | 7.2 | 7.5 | 7.4 |
| γ 112.0 | 7.9 | 7.7 | 8.4 | 7.1 | 7.5 | 7.5 |
| γ 113.0 | 7.7 | 7.6 | 8.4 | 7.6 | 7.6 | 7.4 |
| γ 114.0 | 7.7 | 7.8 | 8.4 | 7.7 | 7.5 | 7.5 |
| γ 115.0 | 7.8 | 7.8 | 8.3 | 7.5 | 7.5 | 7.5 |
| γ 116.0 | 7.7 | 7.7 | 8.1 | 7.2 | 7.5 | 7.4 |
| γ 117.0 | 7.7 | 7.7 | 8.0 | 7.5 | 7.6 | 7.5 |
| γ 118.0 | 7.8 | 7.9 | 8.0 | 7.2 | 7.5 | 7.7 |
| γ 119.0 | 7.7 | 8.0 | 7.9 | 7.4 | 7.3 | 7.7 |
| γ 120.0 | 7.6 | 7.8 | 8.1 | 7.4 | 7.3 | 7.6 |
| γ 121.0 | 7.9 | 7.8 | 8.2 | 7.2 | 7.3 | 7.6 |
| γ 122.0 | 7.6 | 7.6 | 8.0 | 7.3 | 7.4 | 7.7 |
| γ 123.0 | 7.7 | 7.7 | 8.1 | 7.2 | 7.5 | 7.9 |
| γ 124.0 | 7.7 | 8.0 | 8.3 | 7.4 | 7.4 | 7.8 |
| γ 125.0 | 7.5 | 8.0 | 8.1 | 7.7 | 7.4 | 7.8 |
| γ 126.0 | 7.8 | 8.0 | 8.1 | 7.6 | 7.4 | 7.8 |
| γ 127.0 | 7.6 | 7.8 | 8.2 | 7.5 | 7.4 | 7.8 |
| γ 128.0 | 7.9 | 7.8 | 8.1 | 7.6 | 7.6 | 7.9 |
| γ 129.0 | 7.9 | 7.8 | 8.2 | 7.6 | 7.5 | 8.0 |
| γ 130.0 | 8.0 | 8.0 | 8.4 | 7.6 | 7.4 | 8.0 |
| γ 131.0 | 7.8 | 8.1 | 8.3 | 7.5 | 7.7 | 7.9 |

IES Indoor Report

Photometric Filename:AT10031 25W 1204 3090 HK75-24D KG600.IES

Candela Tabulation - (Cont.)

| V/H | C0.0 | C60.0 | C120.0 | C180.0 | C240.0 | C300.0 |
|---------|------|-------|--------|--------|--------|--------|
| γ 132.0 | 8.1 | 7.9 | 8.3 | 7.7 | 7.9 | 7.8 |
| γ 133.0 | 8.1 | 8.2 | 8.4 | 7.6 | 7.8 | 7.9 |
| γ 134.0 | 7.9 | 8.4 | 8.4 | 8.0 | 7.8 | 7.9 |
| γ 135.0 | 8.2 | 8.4 | 8.6 | 7.8 | 7.9 | 8.0 |
| γ 136.0 | 8.4 | 8.4 | 8.6 | 8.0 | 8.0 | 8.3 |
| γ 137.0 | 8.5 | 8.5 | 8.7 | 8.0 | 8.0 | 8.4 |
| γ 138.0 | 8.7 | 8.6 | 8.9 | 8.3 | 8.0 | 8.3 |
| γ 139.0 | 8.5 | 8.7 | 9.0 | 8.2 | 8.1 | 8.5 |
| γ 140.0 | 8.5 | 8.9 | 9.0 | 8.6 | 8.4 | 8.7 |
| γ 141.0 | 8.4 | 8.9 | 9.1 | 8.7 | 8.8 | 9.0 |
| γ 142.0 | 8.9 | 9.3 | 9.3 | 9.1 | 8.9 | 9.1 |
| γ 143.0 | 9.3 | 9.7 | 9.6 | 9.4 | 8.9 | 9.3 |
| γ 144.0 | 9.3 | 10.0 | 9.9 | 9.6 | 9.2 | 9.7 |
| γ 145.0 | 9.5 | 10.4 | 10.1 | 9.8 | 9.6 | 10.1 |
| γ 146.0 | 10.1 | 10.4 | 10.5 | 10.3 | 9.7 | 10.4 |
| γ 147.0 | 10.9 | 10.7 | 10.9 | 10.6 | 10.3 | 10.7 |
| γ 148.0 | 11.1 | 11.3 | 11.4 | 11.1 | 10.6 | 11.0 |
| γ 149.0 | 11.3 | 11.7 | 12.0 | 11.4 | 11.1 | 11.4 |
| γ 150.0 | 11.9 | 12.1 | 12.6 | 11.5 | 11.5 | 12.0 |
| γ 151.0 | 12.5 | 12.5 | 12.9 | 12.3 | 12.1 | 12.4 |
| γ 152.0 | 13.0 | 13.1 | 13.4 | 12.9 | 12.6 | 12.8 |
| γ 153.0 | 13.5 | 13.7 | 14.0 | 13.2 | 13.0 | 13.3 |
| γ 154.0 | 14.1 | 14.2 | 14.5 | 13.9 | 13.6 | 13.8 |
| γ 155.0 | 14.5 | 14.6 | 14.8 | 14.2 | 14.1 | 14.3 |
| γ 156.0 | 14.7 | 15.2 | 15.2 | 15.0 | 14.6 | 14.9 |
| γ 157.0 | 15.6 | 15.7 | 16.0 | 15.6 | 15.1 | 15.4 |
| γ 158.0 | 15.9 | 16.2 | 16.5 | 15.9 | 15.4 | 16.0 |
| γ 159.0 | 16.4 | 16.5 | 16.8 | 16.1 | 15.9 | 16.6 |
| γ 160.0 | 17.0 | 16.9 | 17.3 | 17.1 | 16.6 | 17.1 |
| γ 161.0 | 17.4 | 17.4 | 17.6 | 17.5 | 16.9 | 17.5 |
| γ 162.0 | 17.6 | 17.6 | 17.9 | 17.7 | 17.2 | 17.8 |
| γ 163.0 | 18.3 | 17.8 | 18.4 | 18.1 | 17.6 | 18.0 |
| γ 164.0 | 18.1 | 18.0 | 18.7 | 18.5 | 17.7 | 18.3 |
| γ 165.0 | 18.6 | 18.4 | 18.8 | 18.6 | 18.0 | 18.5 |
| γ 166.0 | 18.6 | 18.6 | 18.8 | 18.4 | 18.3 | 18.6 |
| γ 167.0 | 18.8 | 18.7 | 19.1 | 19.0 | 18.5 | 18.7 |
| γ 168.0 | 19.0 | 18.5 | 19.1 | 18.7 | 18.6 | 18.8 |
| γ 169.0 | 19.0 | 18.5 | 19.0 | 18.8 | 18.5 | 18.9 |
| γ 170.0 | 18.7 | 18.3 | 19.0 | 18.9 | 18.4 | 18.9 |
| γ 171.0 | 18.7 | 18.0 | 18.7 | 18.9 | 18.2 | 18.6 |
| γ 172.0 | 18.1 | 18.0 | 18.6 | 18.8 | 17.9 | 18.4 |
| γ 173.0 | 17.9 | 17.6 | 18.4 | 18.2 | 17.7 | 18.4 |
| γ 174.0 | 18.0 | 17.2 | 18.0 | 18.0 | 17.8 | 18.3 |
| γ 175.0 | 17.6 | 17.2 | 17.8 | 17.8 | 17.3 | 17.9 |

Candela Tabulation - (Cont.)

| V/H | C0.0 | C60.0 | C120.0 | C180.0 | C240.0 | C300.0 |
|---------|------|-------|--------|--------|--------|--------|
| γ 176.0 | 17.4 | 17.2 | 17.6 | 17.8 | 17.1 | 17.5 |
| γ 177.0 | 17.5 | 17.0 | 17.5 | 17.6 | 17.1 | 17.3 |
| γ 178.0 | 17.5 | 16.9 | 17.4 | 17.2 | 17.0 | 17.3 |
| γ 179.0 | 17.6 | 17.0 | 17.4 | 17.4 | 17.0 | 17.3 |
| γ 180.0 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 |