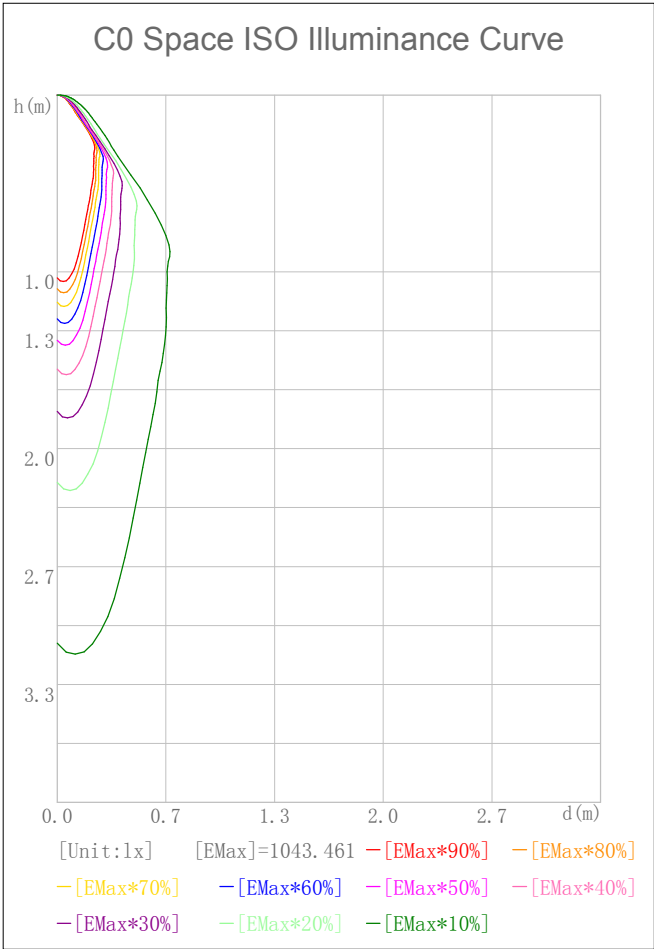
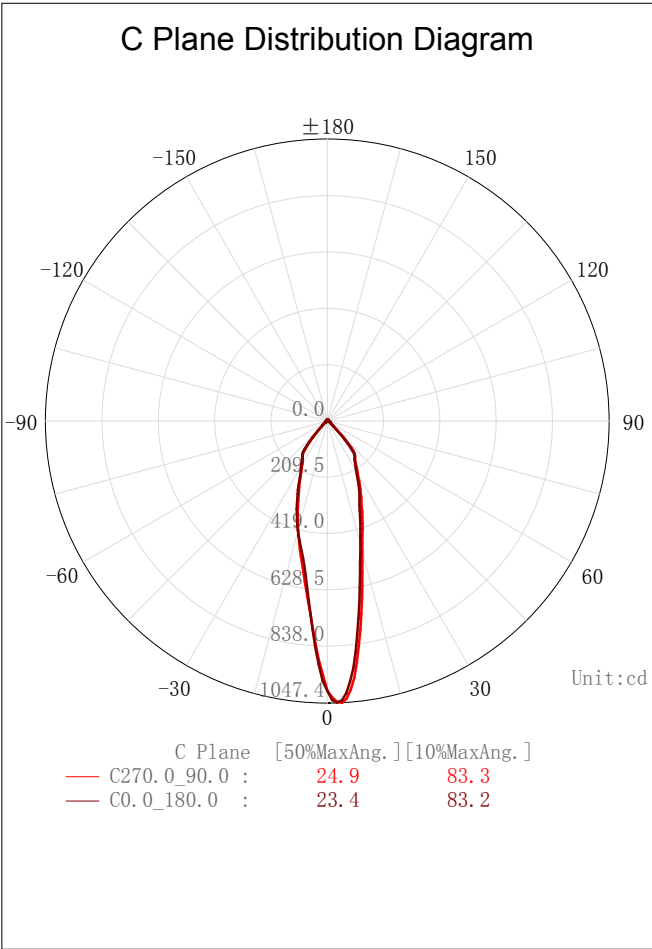


Indoor Luminaire Photometric Data

Character Parameter

| Lamp Speciality Parameter | Luminaire Speciality Parameter | |
|--|----------------------------------|---------------------------------------|
| Rated Flux(lm): 467.000 | Luminary Flux(lm): 513.415 | Field Angle(10%Imax): 83.3(°) |
| Rated Power(W): | Luminary Efficiency: 109.94% | Down Lumens&Percent: 502.806lm 97.93% |
| Rated Voltage(V): | Luminary EER(lm/W): 86.916 | Up Lumens&Percent: 10.609lm 2.07% |
| Tested Power(W): 5.907 | Max. Candela(cd): 1047.443 | S/MH: C0_a180=0.404 C90_270=0.428 |
| Lamps' Inside: 1 | Max Cand@Ang. (°): C=270.0 γ=3.0 | CIE Type: Semi-Direct |
| Tested Electrics(V, A, pf):240.3, 0.028, 0.853 | Beam Angle(50%Imax): 24.9(°) | ErP Φuse(90°): 445.193lm |
| Lamp Size(W*L*H):0.050m*0.000m*0.000m | Left=-10.5°, Right=14.4° | IRF(%): 438.982 |

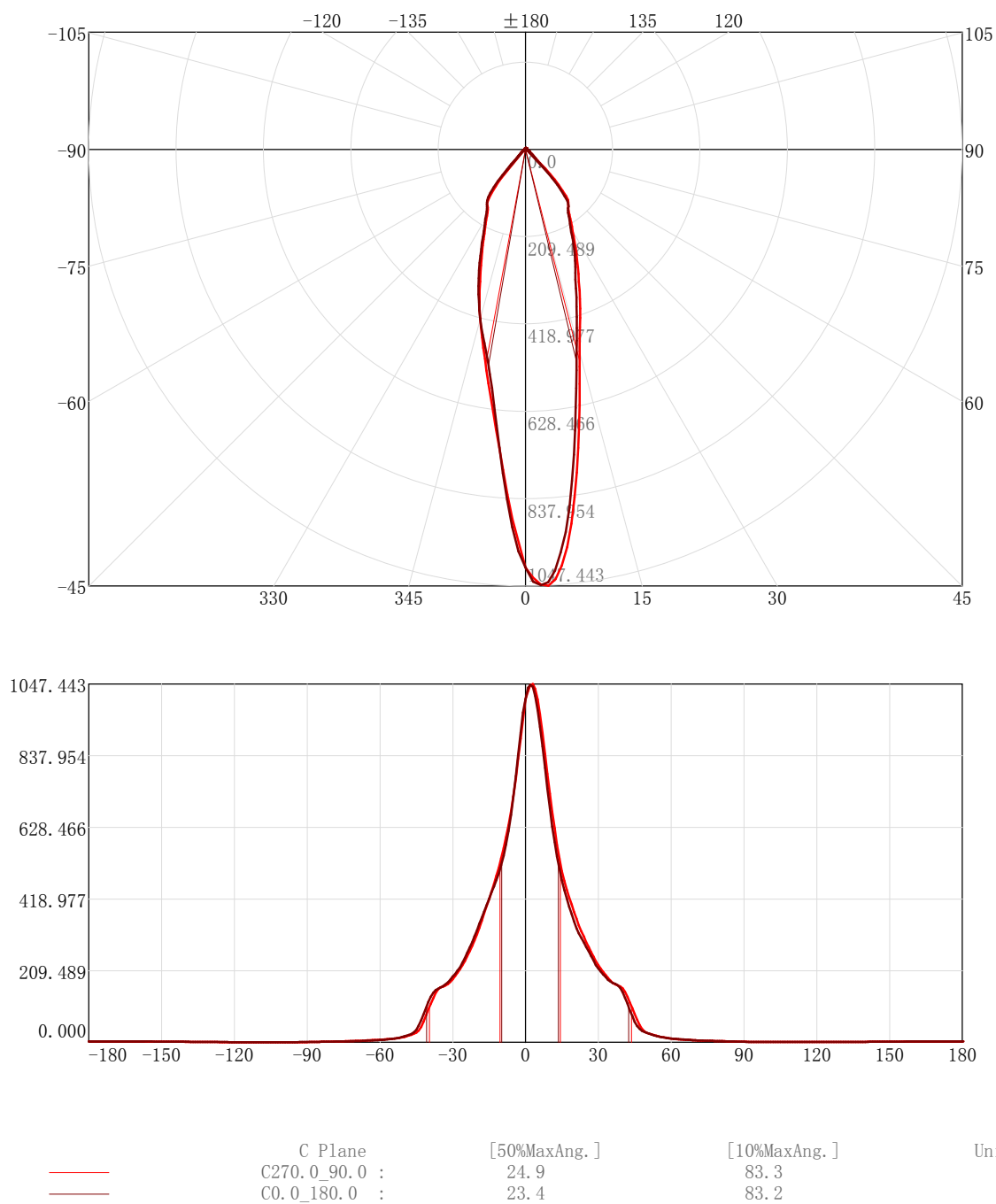


2D Plane Light Intensity Distribution Curve

Test Machine:GON-2000

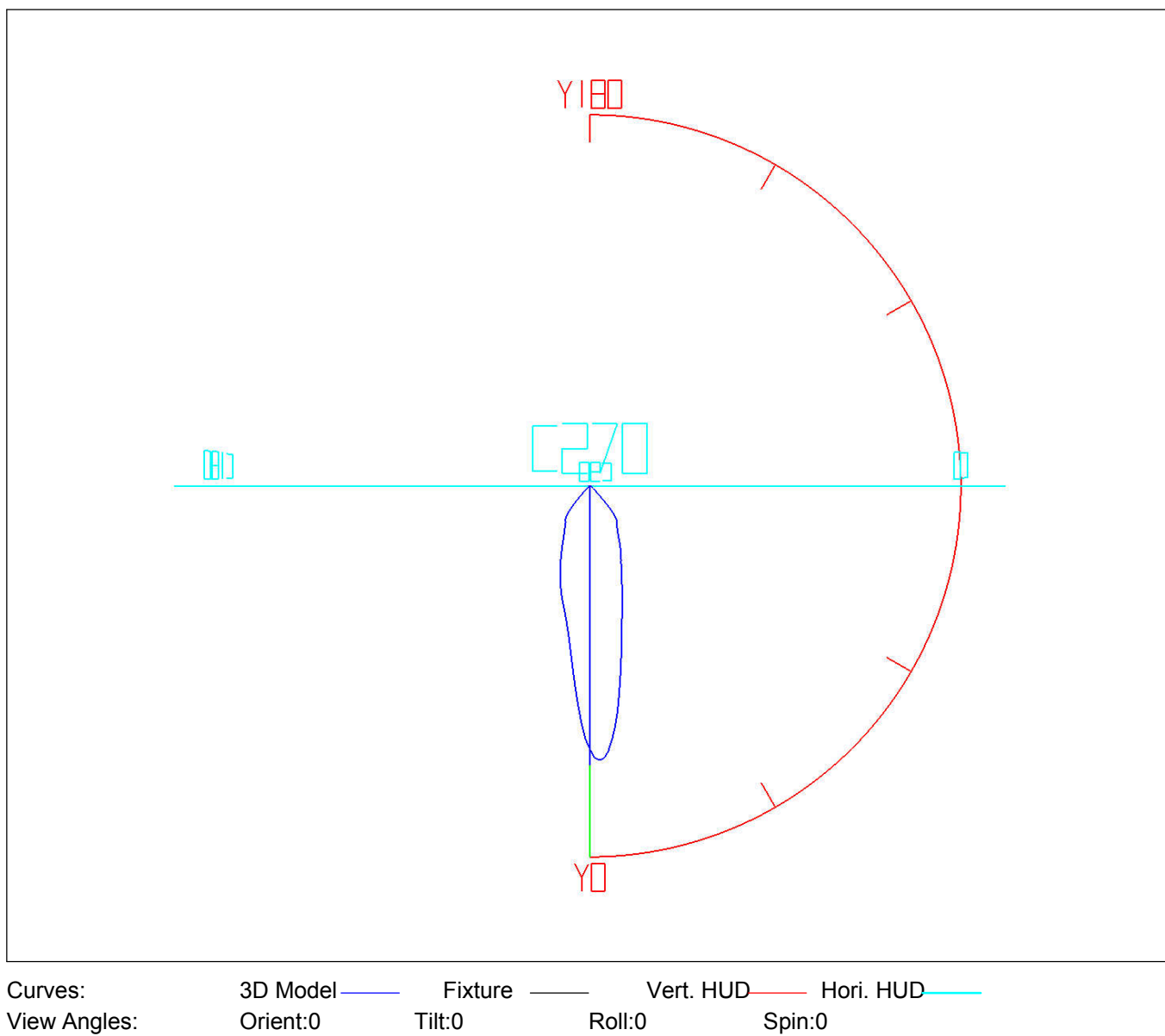
Test Date: 2018/03/07

C Plane Distribution Diagram



3D Light Intensity Distribution Modal

3D Light Intensity Distribution Modal



EQUIVALENT • IES Indoor Report

Photometric Filename:KA6R28BN.IES

Zonal Flux Tabulation

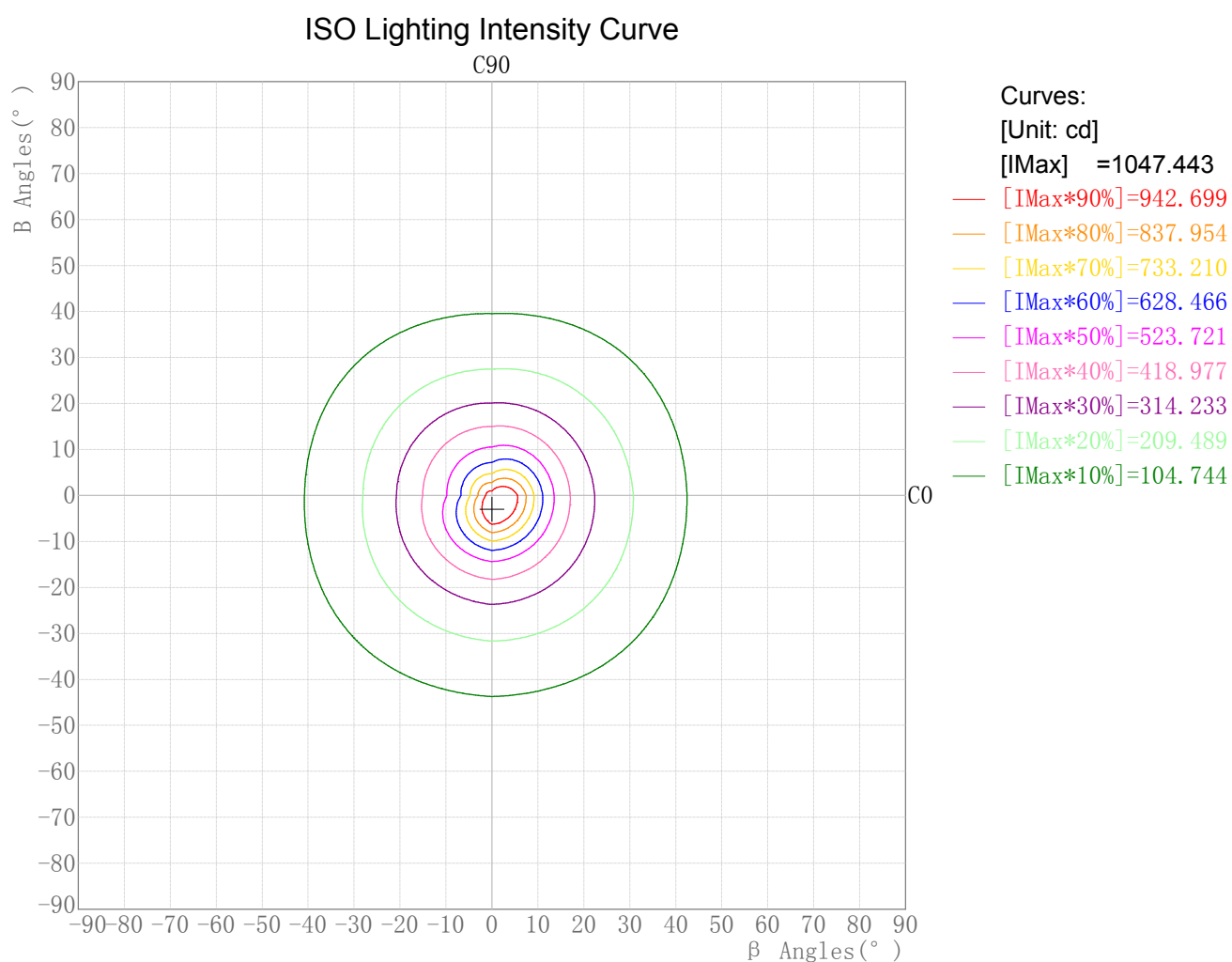
| Zone (γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp | Zone (γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|-----------|-------------------|-------------------|-----------|-----------|-----------|-------------------|-------------------|-----------|-----------|
| 0.0-1.0 | 0.95 | 0.95 | 0.20 | 0.20 | 47.0-48.0 | 2.56 | 470.78 | 0.55 | 100.81 |
| 1.0-2.0 | 2.82 | 3.77 | 0.60 | 0.81 | 48.0-49.0 | 2.23 | 473.02 | 0.48 | 101.29 |
| 2.0-3.0 | 4.57 | 8.34 | 0.98 | 1.79 | 49.0-50.0 | 2.00 | 475.02 | 0.43 | 101.72 |
| 3.0-4.0 | 6.15 | 14.49 | 1.32 | 3.10 | 50.0-51.0 | 1.82 | 476.84 | 0.39 | 102.11 |
| 4.0-5.0 | 7.53 | 22.02 | 1.61 | 4.72 | 51.0-52.0 | 1.67 | 478.51 | 0.36 | 102.46 |
| 5.0-6.0 | 8.71 | 30.73 | 1.87 | 6.58 | 52.0-53.0 | 1.55 | 480.05 | 0.33 | 102.80 |
| 6.0-7.0 | 9.69 | 40.42 | 2.07 | 8.65 | 53.0-54.0 | 1.43 | 481.48 | 0.31 | 103.10 |
| 7.0-8.0 | 10.45 | 50.87 | 2.24 | 10.89 | 54.0-55.0 | 1.32 | 482.80 | 0.28 | 103.38 |
| 8.0-9.0 | 11.07 | 61.94 | 2.37 | 13.26 | 55.0-56.0 | 1.23 | 484.03 | 0.26 | 103.65 |
| 9.0-10.0 | 11.56 | 73.50 | 2.47 | 15.74 | 56.0-57.0 | 1.15 | 485.17 | 0.25 | 103.89 |
| 10.0-11.0 | 11.94 | 85.44 | 2.56 | 18.29 | 57.0-58.0 | 1.07 | 486.24 | 0.23 | 104.12 |
| 11.0-12.0 | 12.25 | 97.69 | 2.62 | 20.92 | 58.0-59.0 | 1.01 | 487.25 | 0.22 | 104.34 |
| 12.0-13.0 | 12.50 | 110.19 | 2.68 | 23.59 | 59.0-60.0 | 0.95 | 488.20 | 0.20 | 104.54 |
| 13.0-14.0 | 12.68 | 122.87 | 2.72 | 26.31 | 60.0-61.0 | 0.90 | 489.10 | 0.19 | 104.73 |
| 14.0-15.0 | 12.83 | 135.69 | 2.75 | 29.06 | 61.0-62.0 | 0.86 | 489.96 | 0.18 | 104.92 |
| 15.0-16.0 | 12.94 | 148.63 | 2.77 | 31.83 | 62.0-63.0 | 0.81 | 490.77 | 0.17 | 105.09 |
| 16.0-17.0 | 13.02 | 161.65 | 2.79 | 34.61 | 63.0-64.0 | 0.78 | 491.55 | 0.17 | 105.26 |
| 17.0-18.0 | 13.05 | 174.70 | 2.80 | 37.41 | 64.0-65.0 | 0.74 | 492.29 | 0.16 | 105.42 |
| 18.0-19.0 | 13.06 | 187.76 | 2.80 | 40.21 | 65.0-66.0 | 0.70 | 492.99 | 0.15 | 105.57 |
| 19.0-20.0 | 13.00 | 200.75 | 2.78 | 42.99 | 66.0-67.0 | 0.67 | 493.66 | 0.14 | 105.71 |
| 20.0-21.0 | 12.88 | 213.64 | 2.76 | 45.75 | 67.0-68.0 | 0.63 | 494.29 | 0.13 | 105.84 |
| 21.0-22.0 | 12.76 | 226.40 | 2.73 | 48.48 | 68.0-69.0 | 0.60 | 494.89 | 0.13 | 105.97 |
| 22.0-23.0 | 12.64 | 239.04 | 2.71 | 51.19 | 69.0-70.0 | 0.57 | 495.45 | 0.12 | 106.09 |
| 23.0-24.0 | 12.51 | 251.55 | 2.68 | 53.87 | 70.0-71.0 | 0.54 | 495.99 | 0.12 | 106.21 |
| 24.0-25.0 | 12.35 | 263.91 | 2.64 | 56.51 | 71.0-72.0 | 0.52 | 496.51 | 0.11 | 106.32 |
| 25.0-26.0 | 12.16 | 276.07 | 2.60 | 59.11 | 72.0-73.0 | 0.49 | 497.00 | 0.11 | 106.43 |
| 26.0-27.0 | 11.96 | 288.03 | 2.56 | 61.68 | 73.0-74.0 | 0.48 | 497.48 | 0.10 | 106.53 |
| 27.0-28.0 | 11.75 | 299.78 | 2.52 | 64.19 | 74.0-75.0 | 0.46 | 497.94 | 0.10 | 106.63 |
| 28.0-29.0 | 11.54 | 311.32 | 2.47 | 66.66 | 75.0-76.0 | 0.44 | 498.38 | 0.09 | 106.72 |
| 29.0-30.0 | 11.32 | 322.64 | 2.42 | 69.09 | 76.0-77.0 | 0.42 | 498.80 | 0.09 | 106.81 |
| 30.0-31.0 | 11.15 | 333.79 | 2.39 | 71.48 | 77.0-78.0 | 0.41 | 499.21 | 0.09 | 106.90 |
| 31.0-32.0 | 10.99 | 344.78 | 2.35 | 73.83 | 78.0-79.0 | 0.39 | 499.60 | 0.08 | 106.98 |
| 32.0-33.0 | 10.87 | 355.65 | 2.33 | 76.16 | 79.0-80.0 | 0.37 | 499.97 | 0.08 | 107.06 |
| 33.0-34.0 | 10.78 | 366.43 | 2.31 | 78.46 | 80.0-81.0 | 0.36 | 500.33 | 0.08 | 107.14 |
| 34.0-35.0 | 10.72 | 377.15 | 2.30 | 80.76 | 81.0-82.0 | 0.34 | 500.67 | 0.07 | 107.21 |
| 35.0-36.0 | 10.67 | 387.82 | 2.29 | 83.05 | 82.0-83.0 | 0.33 | 501.00 | 0.07 | 107.28 |
| 36.0-37.0 | 10.60 | 398.42 | 2.27 | 85.31 | 83.0-84.0 | 0.31 | 501.31 | 0.07 | 107.35 |
| 37.0-38.0 | 10.43 | 408.84 | 2.23 | 87.55 | 84.0-85.0 | 0.29 | 501.61 | 0.06 | 107.41 |
| 38.0-39.0 | 10.07 | 418.92 | 2.16 | 89.70 | 85.0-86.0 | 0.28 | 501.88 | 0.06 | 107.47 |
| 39.0-40.0 | 9.50 | 428.42 | 2.03 | 91.74 | 86.0-87.0 | 0.26 | 502.14 | 0.05 | 107.52 |
| 40.0-41.0 | 8.72 | 437.14 | 1.87 | 93.61 | 87.0-88.0 | 0.24 | 502.38 | 0.05 | 107.58 |
| 41.0-42.0 | 7.71 | 444.85 | 1.65 | 95.26 | 88.0-89.0 | 0.22 | 502.60 | 0.05 | 107.62 |
| 42.0-43.0 | 6.58 | 451.43 | 1.41 | 96.67 | 89.0-90.0 | 0.21 | 502.81 | 0.04 | 107.67 |
| 43.0-44.0 | 5.50 | 456.94 | 1.18 | 97.85 | 90.0-91.0 | 0.19 | 503.00 | 0.04 | 107.71 |
| 44.0-45.0 | 4.53 | 461.47 | 0.97 | 98.82 | 91.0-92.0 | 0.18 | 503.18 | 0.04 | 107.75 |
| 45.0-46.0 | 3.70 | 465.17 | 0.79 | 99.61 | 92.0-93.0 | 0.17 | 503.35 | 0.04 | 107.78 |
| 46.0-47.0 | 3.04 | 468.22 | 0.65 | 100.26 | 93.0-94.0 | 0.16 | 503.51 | 0.04 | 107.82 |

EQUIVALENT • IES Indoor Report
Photometric Filename:KA6R28BN.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 |
|-------------|-------------------|-------------------|-----------|-----------|-------------|-------------------|-------------------|-----------|-----------|
| 94.0-95.0 | 0.16 | 503.67 | 0.03 | 107.85 | 141.0-142.0 | 0.15 | 509.65 | 0.03 | 109.13 |
| 95.0-96.0 | 0.15 | 503.82 | 0.03 | 107.89 | 142.0-143.0 | 0.15 | 509.79 | 0.03 | 109.16 |
| 96.0-97.0 | 0.15 | 503.97 | 0.03 | 107.92 | 143.0-144.0 | 0.15 | 509.94 | 0.03 | 109.20 |
| 97.0-98.0 | 0.15 | 504.12 | 0.03 | 107.95 | 144.0-145.0 | 0.15 | 510.09 | 0.03 | 109.23 |
| 98.0-99.0 | 0.14 | 504.26 | 0.03 | 107.98 | 145.0-146.0 | 0.15 | 510.24 | 0.03 | 109.26 |
| 99.0-100.0 | 0.14 | 504.40 | 0.03 | 108.01 | 146.0-147.0 | 0.15 | 510.39 | 0.03 | 109.29 |
| 100.0-101.0 | 0.13 | 504.53 | 0.03 | 108.04 | 147.0-148.0 | 0.15 | 510.54 | 0.03 | 109.32 |
| 101.0-102.0 | 0.13 | 504.67 | 0.03 | 108.07 | 148.0-149.0 | 0.15 | 510.69 | 0.03 | 109.36 |
| 102.0-103.0 | 0.13 | 504.79 | 0.03 | 108.09 | 149.0-150.0 | 0.15 | 510.83 | 0.03 | 109.39 |
| 103.0-104.0 | 0.13 | 504.92 | 0.03 | 108.12 | 150.0-151.0 | 0.14 | 510.98 | 0.03 | 109.42 |
| 104.0-105.0 | 0.12 | 505.04 | 0.03 | 108.15 | 151.0-152.0 | 0.14 | 511.12 | 0.03 | 109.45 |
| 105.0-106.0 | 0.12 | 505.17 | 0.03 | 108.17 | 152.0-153.0 | 0.14 | 511.26 | 0.03 | 109.48 |
| 106.0-107.0 | 0.12 | 505.29 | 0.03 | 108.20 | 153.0-154.0 | 0.14 | 511.40 | 0.03 | 109.51 |
| 107.0-108.0 | 0.12 | 505.40 | 0.03 | 108.22 | 154.0-155.0 | 0.14 | 511.53 | 0.03 | 109.54 |
| 108.0-109.0 | 0.12 | 505.52 | 0.03 | 108.25 | 155.0-156.0 | 0.13 | 511.67 | 0.03 | 109.56 |
| 109.0-110.0 | 0.12 | 505.64 | 0.02 | 108.27 | 156.0-157.0 | 0.13 | 511.80 | 0.03 | 109.59 |
| 110.0-111.0 | 0.12 | 505.75 | 0.02 | 108.30 | 157.0-158.0 | 0.13 | 511.92 | 0.03 | 109.62 |
| 111.0-112.0 | 0.12 | 505.87 | 0.02 | 108.32 | 158.0-159.0 | 0.12 | 512.04 | 0.03 | 109.65 |
| 112.0-113.0 | 0.11 | 505.98 | 0.02 | 108.35 | 159.0-160.0 | 0.12 | 512.16 | 0.03 | 109.67 |
| 113.0-114.0 | 0.11 | 506.10 | 0.02 | 108.37 | 160.0-161.0 | 0.11 | 512.28 | 0.02 | 109.69 |
| 114.0-115.0 | 0.11 | 506.21 | 0.02 | 108.40 | 161.0-162.0 | 0.11 | 512.38 | 0.02 | 109.72 |
| 115.0-116.0 | 0.11 | 506.33 | 0.02 | 108.42 | 162.0-163.0 | 0.11 | 512.49 | 0.02 | 109.74 |
| 116.0-117.0 | 0.11 | 506.44 | 0.02 | 108.45 | 163.0-164.0 | 0.10 | 512.59 | 0.02 | 109.76 |
| 117.0-118.0 | 0.11 | 506.55 | 0.02 | 108.47 | 164.0-165.0 | 0.10 | 512.69 | 0.02 | 109.78 |
| 118.0-119.0 | 0.11 | 506.67 | 0.02 | 108.49 | 165.0-166.0 | 0.09 | 512.78 | 0.02 | 109.80 |
| 119.0-120.0 | 0.11 | 506.78 | 0.02 | 108.52 | 166.0-167.0 | 0.09 | 512.86 | 0.02 | 109.82 |
| 120.0-121.0 | 0.12 | 506.90 | 0.02 | 108.54 | 167.0-168.0 | 0.08 | 512.94 | 0.02 | 109.84 |
| 121.0-122.0 | 0.12 | 507.01 | 0.02 | 108.57 | 168.0-169.0 | 0.07 | 513.01 | 0.02 | 109.85 |
| 122.0-123.0 | 0.12 | 507.13 | 0.03 | 108.59 | 169.0-170.0 | 0.07 | 513.08 | 0.01 | 109.87 |
| 123.0-124.0 | 0.12 | 507.25 | 0.03 | 108.62 | 170.0-171.0 | 0.06 | 513.14 | 0.01 | 109.88 |
| 124.0-125.0 | 0.12 | 507.37 | 0.03 | 108.64 | 171.0-172.0 | 0.06 | 513.20 | 0.01 | 109.89 |
| 125.0-126.0 | 0.12 | 507.49 | 0.03 | 108.67 | 172.0-173.0 | 0.05 | 513.25 | 0.01 | 109.90 |
| 126.0-127.0 | 0.12 | 507.61 | 0.03 | 108.70 | 173.0-174.0 | 0.04 | 513.29 | 0.01 | 109.91 |
| 127.0-128.0 | 0.12 | 507.73 | 0.03 | 108.72 | 174.0-175.0 | 0.04 | 513.33 | 0.01 | 109.92 |
| 128.0-129.0 | 0.12 | 507.86 | 0.03 | 108.75 | 175.0-176.0 | 0.03 | 513.36 | 0.01 | 109.93 |
| 129.0-130.0 | 0.13 | 507.99 | 0.03 | 108.78 | 176.0-177.0 | 0.02 | 513.38 | 0.01 | 109.93 |
| 130.0-131.0 | 0.13 | 508.11 | 0.03 | 108.80 | 177.0-178.0 | 0.02 | 513.40 | 0.00 | 109.94 |
| 131.0-132.0 | 0.13 | 508.24 | 0.03 | 108.83 | 178.0-179.0 | 0.01 | 513.41 | 0.00 | 109.94 |
| 132.0-133.0 | 0.13 | 508.38 | 0.03 | 108.86 | 179.0-180.0 | 0.00 | 513.41 | 0.00 | 109.94 |
| 133.0-134.0 | 0.13 | 508.51 | 0.03 | 108.89 | | | | | |
| 134.0-135.0 | 0.14 | 508.64 | 0.03 | 108.92 | | | | | |
| 135.0-136.0 | 0.14 | 508.78 | 0.03 | 108.95 | | | | | |
| 136.0-137.0 | 0.14 | 508.92 | 0.03 | 108.98 | | | | | |
| 137.0-138.0 | 0.14 | 509.06 | 0.03 | 109.01 | | | | | |
| 138.0-139.0 | 0.14 | 509.21 | 0.03 | 109.04 | | | | | |
| 139.0-140.0 | 0.14 | 509.35 | 0.03 | 109.07 | | | | | |
| 140.0-141.0 | 0.15 | 509.50 | 0.03 | 109.10 | | | | | |

Rectangle ISO Lighting Intensity Diagram

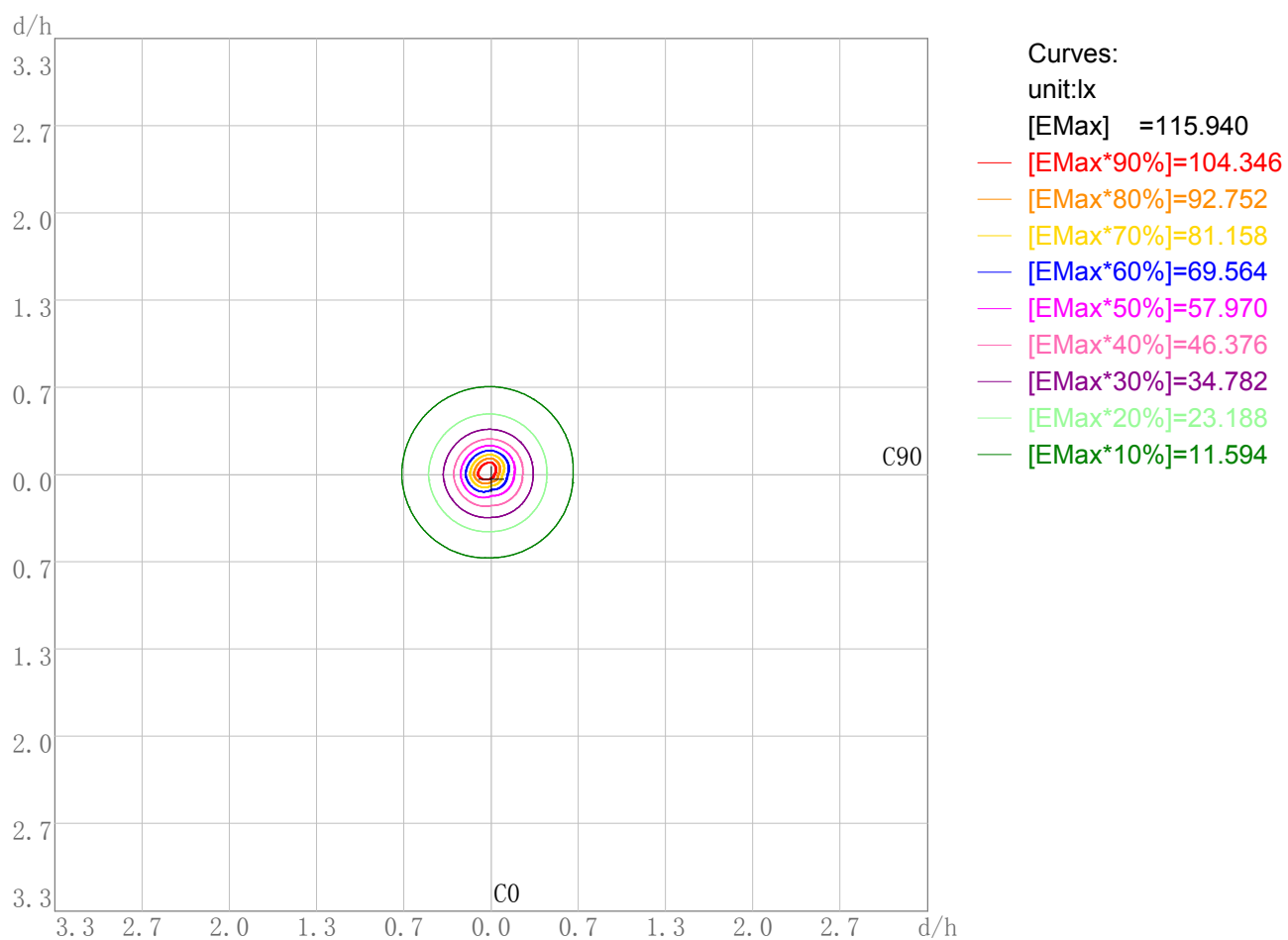


Maximum Light Intensity(cd): 1047.44

Maximum Cand.@Angle: H=-0.0°,V=-3.0°

Plane ISO-Illuminance Diagram

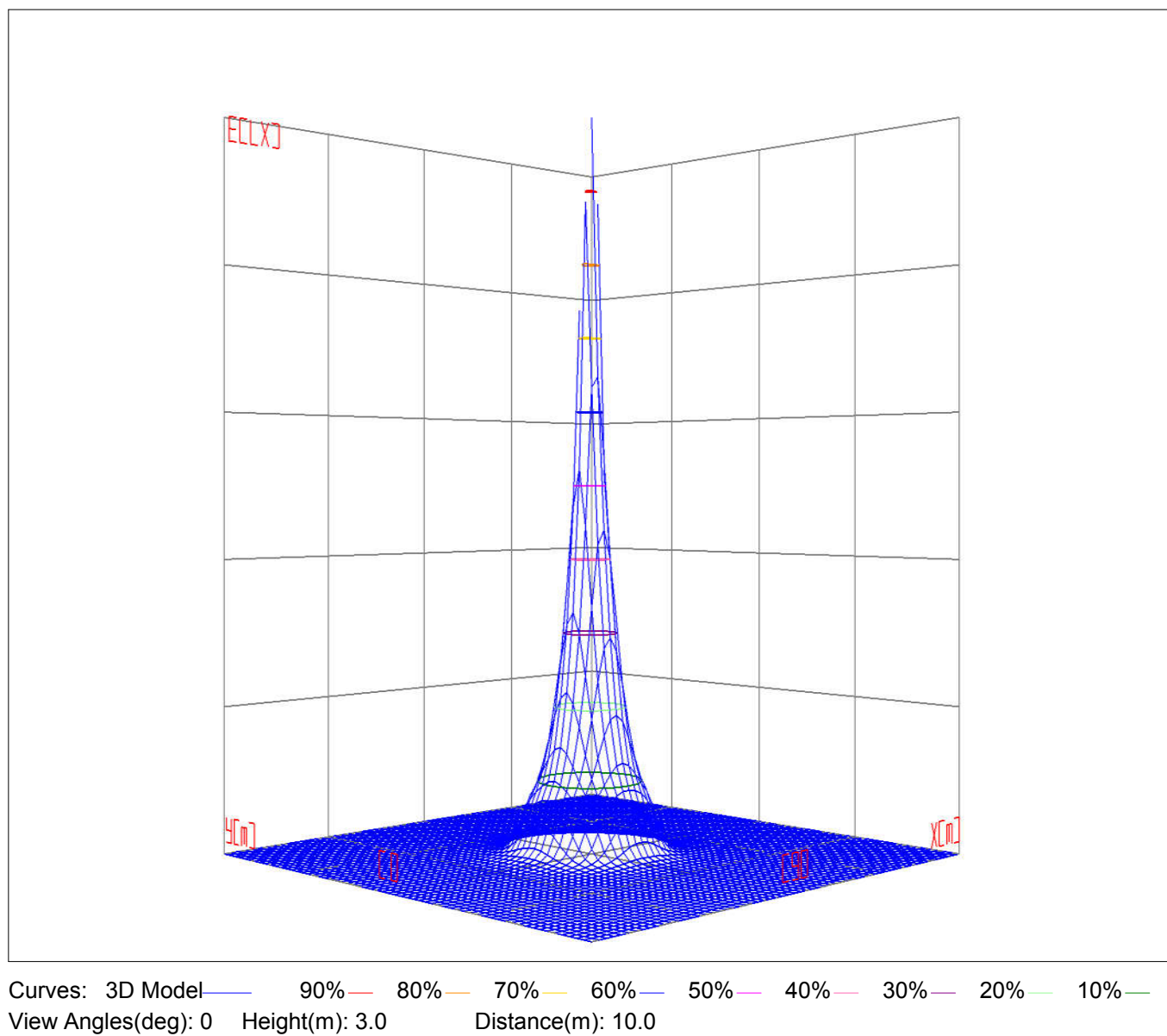
Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 115.94
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

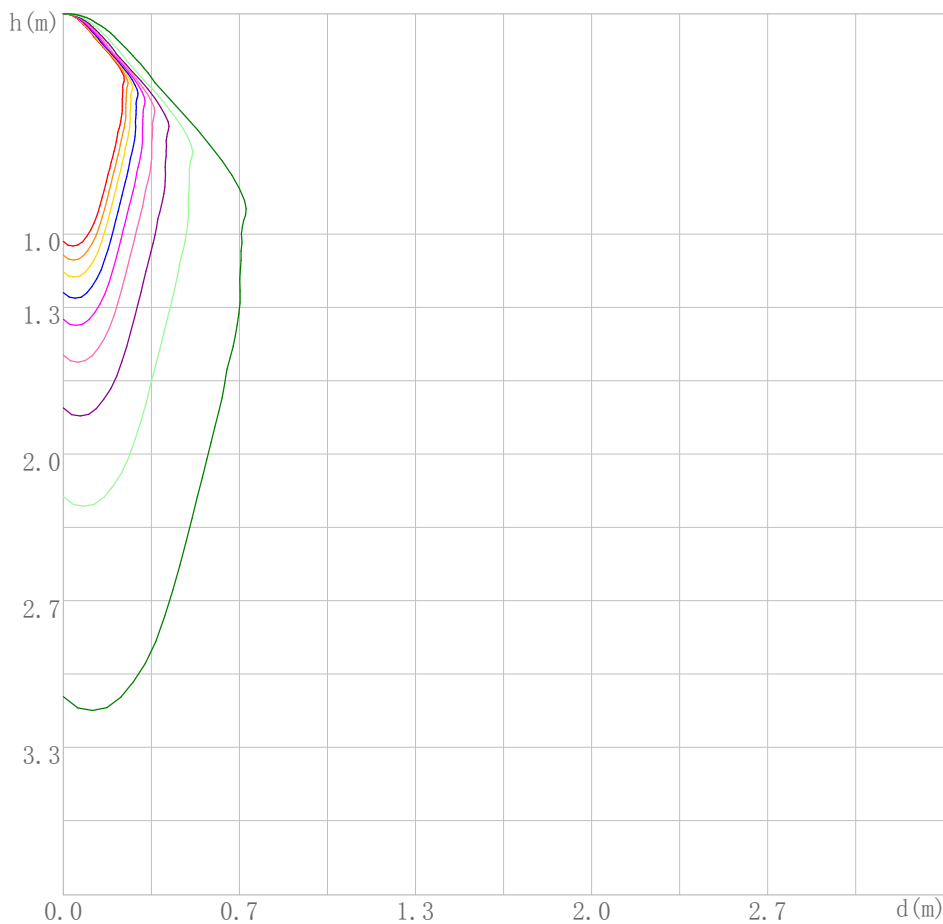
3D Plane ISO Illuminance Diagram

3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =1043.461

— [EMax*90%]=939.115

— [EMax*80%]=834.769

— [EMax*70%]=730.423

— [EMax*60%]=626.076

— [EMax*50%]=521.730

— [EMax*40%]=417.384

— [EMax*30%]=313.038

— [EMax*20%]=208.692

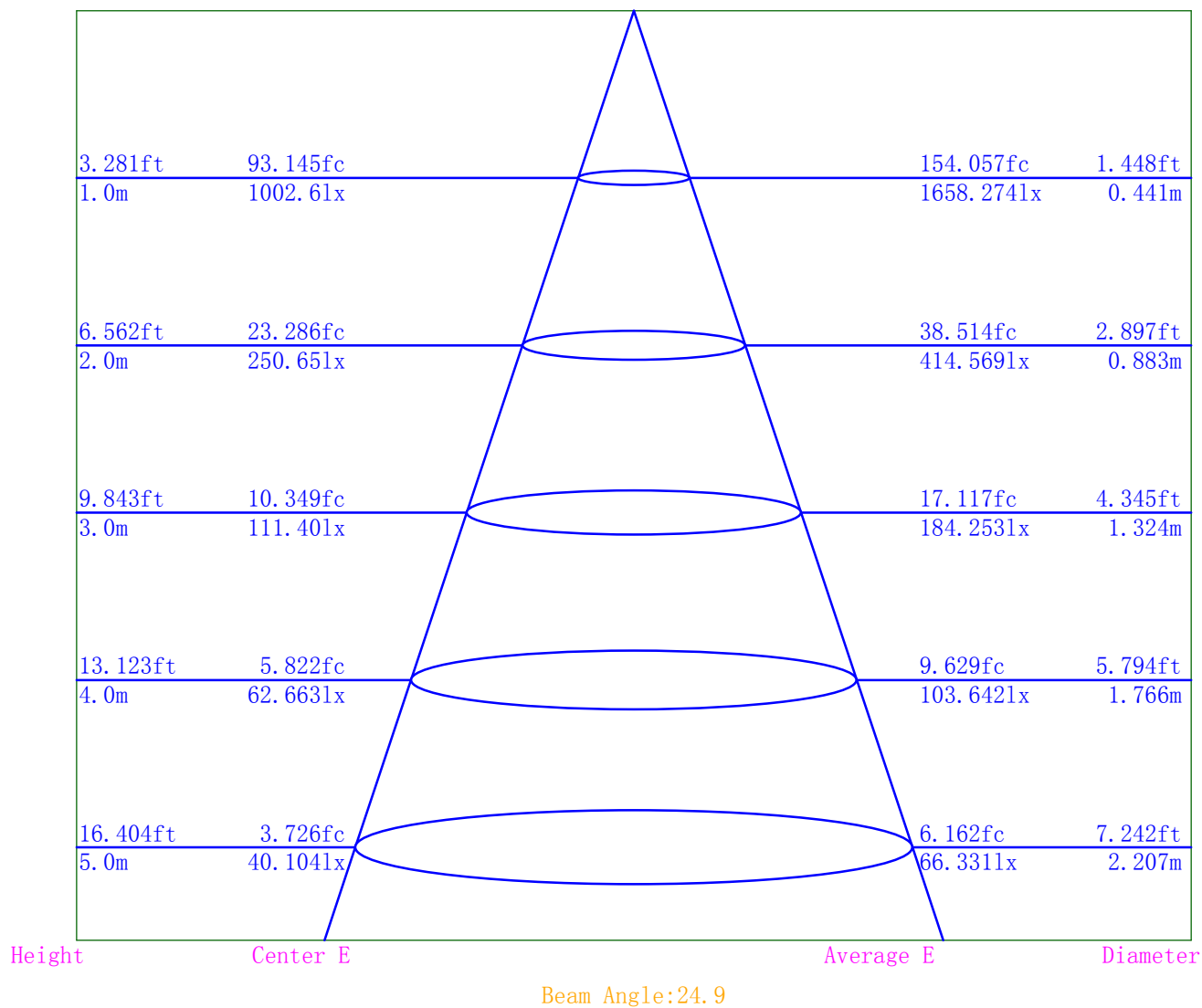
— [EMax*10%]=104.346

Space Plane Maximum Illuminance and @Angle:1043.46lx,2.0deg

Plane Maximum Lighting Intensity and @Angle:1045.370cd,0deg

Illuminance-Distance Diagram

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

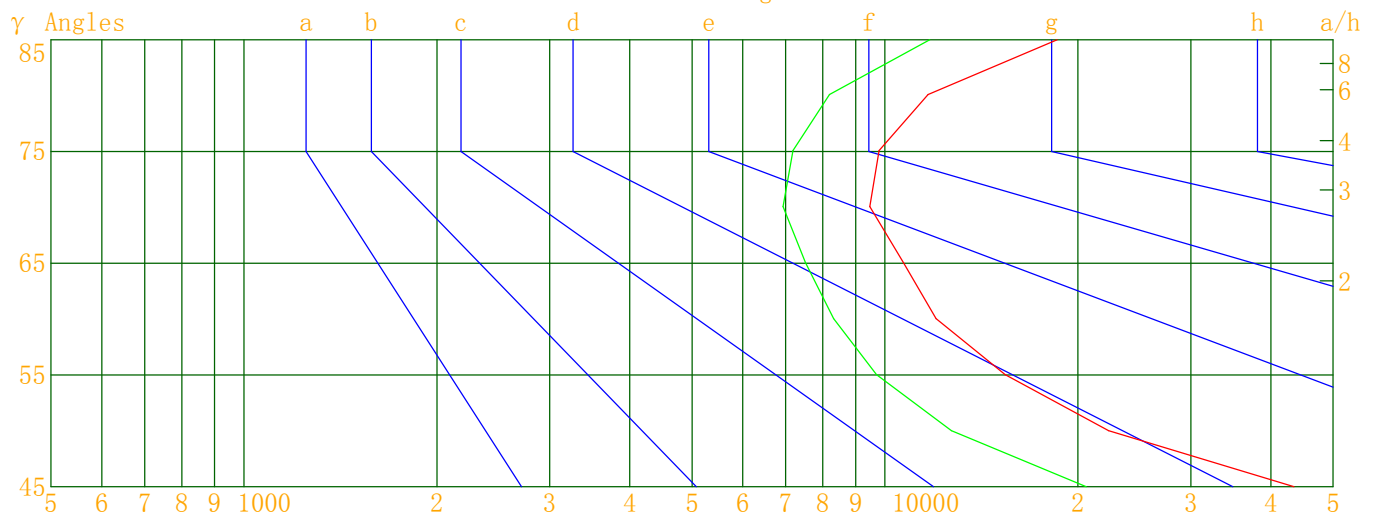
Glare Grade Table

| 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

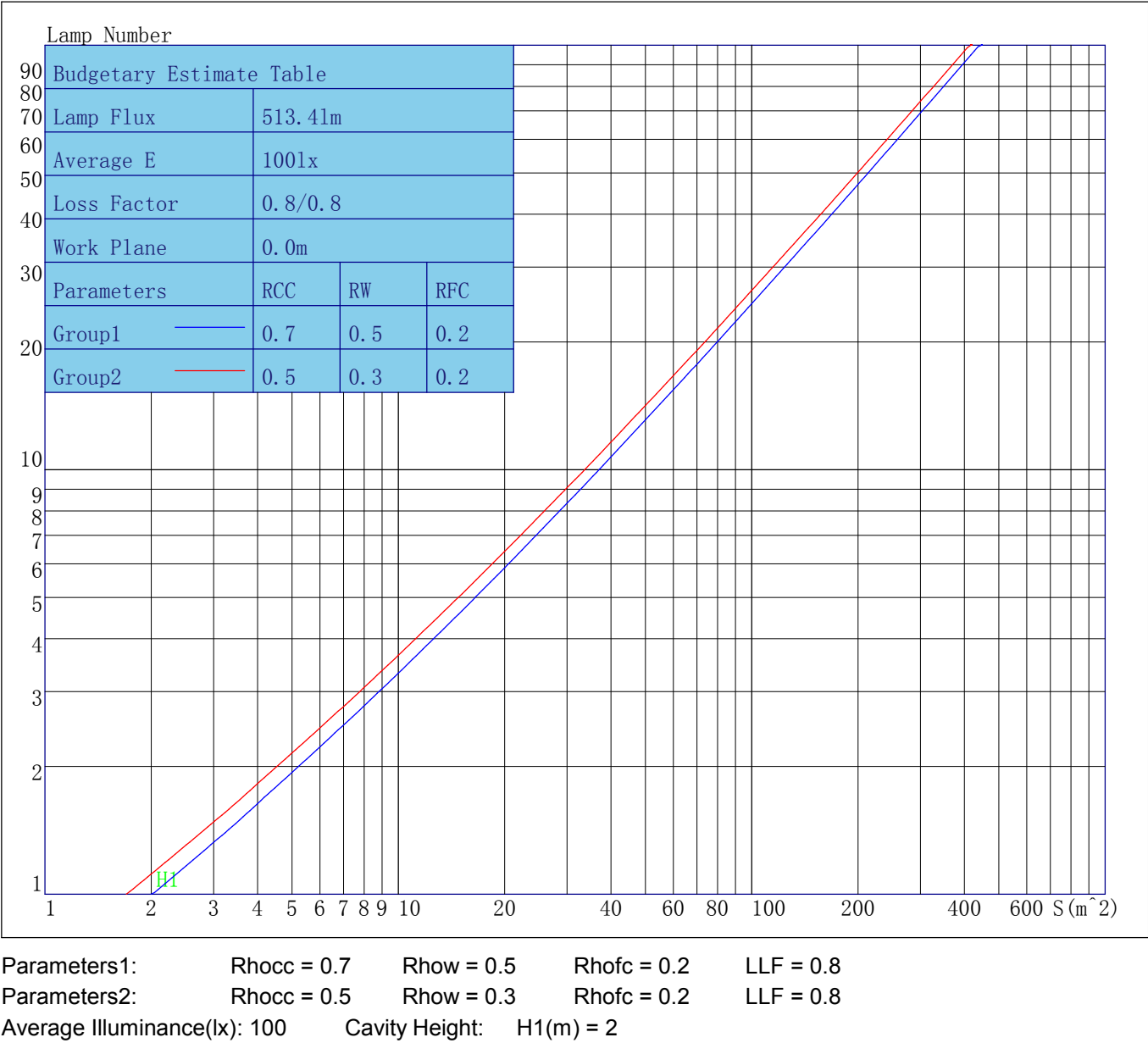
| Gama (deg) | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|------------|-------|-------|-------|-------|-------|------|------|-------|-------|
| C0 | 43444 | 22340 | 15406 | 12019 | 10692 | 9474 | 9788 | 11676 | 18547 |
| C90 | 20604 | 12699 | 9701 | 8315 | 7517 | 6932 | 7188 | 8195 | 11745 |

Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table



Indoor Coefficient of Utilization Table

| 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 | 130 | 130 | 130 | 130 | 127 | 127 | 127 | 127 | 121 | 121 | 121 | 115 | 115 | 115 | 110 | 110 | 110 | 108 |
| 1 | 124 | 120 | 117 | 115 | 121 | 118 | 115 | 113 | 113 | 111 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 99 |
| 2 | 117 | 111 | 106 | 102 | 114 | 109 | 105 | 101 | 105 | 102 | 99 | 102 | 99 | 96 | 98 | 96 | 94 | 92 |
| 3 | 111 | 103 | 97 | 93 | 108 | 102 | 96 | 92 | 98 | 94 | 90 | 95 | 92 | 88 | 92 | 89 | 87 | 85 |
| 4 | 105 | 96 | 90 | 85 | 103 | 95 | 89 | 84 | 92 | 87 | 83 | 90 | 85 | 82 | 87 | 84 | 81 | 79 |
| 5 | 99 | 90 | 83 | 78 | 97 | 89 | 82 | 78 | 86 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 73 |
| 6 | 94 | 84 | 77 | 72 | 93 | 83 | 77 | 72 | 81 | 76 | 71 | 79 | 75 | 71 | 78 | 73 | 70 | 68 |
| 7 | 90 | 79 | 72 | 67 | 88 | 78 | 72 | 67 | 77 | 71 | 67 | 75 | 70 | 66 | 74 | 69 | 66 | 64 |
| 8 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 63 | 72 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 60 |
| 9 | 81 | 70 | 64 | 59 | 80 | 70 | 64 | 59 | 69 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 58 | 57 |
| 10 | 78 | 67 | 60 | 56 | 76 | 66 | 60 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 54 |

Unified Glare Rating Table

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 | 21.3 | 22.5 | 21.7 | 22.9 | 23.3 | 19.4 | 20.7 | 19.8 | 21.0 | 21.4 |
| | 21.3 | 22.5 | 21.8 | 22.8 | 23.3 | 19.5 | 20.6 | 19.9 | 21.0 | 21.4 |
| | 21.4 | 22.4 | 21.8 | 22.8 | 23.3 | 19.5 | 20.6 | 19.9 | 21.0 | 21.4 |
| | 21.5 | 22.5 | 21.9 | 22.9 | 23.3 | 19.6 | 20.6 | 20.0 | 21.0 | 21.4 |
| | 21.6 | 22.5 | 22.0 | 22.9 | 23.4 | 19.6 | 20.6 | 20.1 | 21.0 | 21.5 |
| | 21.7 | 22.6 | 22.1 | 23.0 | 23.5 | 19.7 | 20.6 | 20.2 | 21.0 | 21.5 |
| X=4H Y=2H | 21.1 | 22.2 | 21.6 | 22.6 | 23.0 | 19.3 | 20.3 | 19.7 | 20.7 | 21.2 |
| | 21.2 | 22.2 | 21.7 | 22.6 | 23.1 | 19.4 | 20.3 | 19.8 | 20.8 | 21.2 |
| | 21.4 | 22.2 | 21.8 | 22.7 | 23.2 | 19.5 | 20.4 | 20.0 | 20.8 | 21.3 |
| | 21.6 | 22.3 | 22.0 | 22.8 | 23.3 | 19.7 | 20.5 | 20.2 | 20.9 | 21.4 |
| | 21.7 | 22.4 | 22.2 | 22.9 | 23.4 | 19.8 | 20.5 | 20.3 | 21.0 | 21.5 |
| | 21.9 | 22.6 | 22.4 | 23.1 | 23.6 | 20.0 | 20.6 | 20.5 | 21.1 | 21.7 |
| X=8H Y=4H | 21.3 | 22.0 | 21.8 | 22.5 | 23.0 | 19.5 | 20.2 | 20.0 | 20.7 | 21.2 |
| | 21.6 | 22.3 | 22.1 | 22.8 | 23.4 | 19.8 | 20.4 | 20.3 | 20.9 | 21.6 |
| | 21.8 | 22.4 | 22.4 | 23.0 | 23.5 | 20.0 | 20.6 | 20.5 | 21.1 | 21.6 |
| | 22.2 | 22.7 | 22.7 | 23.3 | 23.9 | 20.2 | 20.8 | 20.8 | 21.3 | 21.9 |
| X=12H Y=4H | 21.3 | 22.0 | 21.8 | 22.5 | 23.0 | 19.5 | 20.1 | 20.0 | 20.7 | 21.2 |
| | 21.6 | 22.2 | 22.2 | 22.7 | 23.3 | 19.8 | 20.4 | 20.3 | 20.9 | 21.5 |
| | 21.9 | 22.5 | 22.4 | 23.0 | 23.6 | 20.0 | 20.6 | 20.6 | 21.1 | 21.7 |
| Variations with the objerver position at spacings | | | | | | | | | | |
| S=1.0H | 0.1/-0.1 | | | | | 0.2/-0.2 | | | | |
| S=1.5H | 0.3/-0.3 | | | | | 0.4/-0.4 | | | | |
| S=2.0H | 0.5/-0.4 | | | | | 0.5/-0.5 | | | | |
| Reduced UGR Table: | | | | | | | | | | |
| Nordic Standard Table: | BK0 | | | | | BK0 | | | | |
| Correction Value | 1.1 | | | | | 1.1 | | | | |

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

EQUIVALENT • IES Indoor Report
Photometric Filename:KA6R28BN.IES

Candela Tabulation

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|--------|---------|---------|---------|---------|
| γ 0.0 | 1002.61 | 1002.61 | 1002.61 | 1002.61 |
| γ 1.0 | 1036.54 | 943.13 | 964.16 | 1026.67 |
| γ 2.0 | 1045.37 | 887.61 | 905.68 | 1043.81 |
| γ 3.0 | 1039.08 | 828.58 | 840.48 | 1047.44 |
| γ 4.0 | 1012.52 | 770.76 | 778.06 | 1033.03 |
| γ 5.0 | 970.42 | 719.51 | 717.04 | 1001.75 |
| γ 6.0 | 922.44 | 675.44 | 664.69 | 958.57 |
| γ 7.0 | 865.67 | 634.21 | 617.43 | 903.86 |
| γ 8.0 | 802.13 | 599.39 | 577.95 | 842.52 |
| γ 9.0 | 741.52 | 568.04 | 546.08 | 784.64 |
| γ 10.0 | 684.67 | 538.53 | 518.09 | 726.81 |
| γ 11.0 | 631.18 | 510.76 | 494.53 | 674.94 |
| γ 12.0 | 585.14 | 486.61 | 474.54 | 625.75 |
| γ 13.0 | 543.48 | 463.52 | 456.17 | 577.22 |
| γ 14.0 | 506.73 | 440.51 | 438.57 | 536.59 |
| γ 15.0 | 474.06 | 419.02 | 420.27 | 501.10 |
| γ 16.0 | 445.39 | 398.84 | 401.76 | 471.84 |
| γ 17.0 | 419.81 | 377.23 | 382.38 | 445.82 |
| γ 18.0 | 396.37 | 356.03 | 364.93 | 424.35 |
| γ 19.0 | 375.06 | 334.89 | 346.85 | 403.27 |
| γ 20.0 | 354.09 | 315.92 | 328.14 | 382.13 |
| γ 21.0 | 333.97 | 297.96 | 310.13 | 361.53 |
| γ 22.0 | 318.80 | 282.03 | 293.28 | 342.02 |
| γ 23.0 | 305.59 | 266.65 | 277.20 | 324.47 |
| γ 24.0 | 292.44 | 251.94 | 261.44 | 309.80 |
| γ 25.0 | 279.11 | 237.69 | 247.06 | 293.45 |
| γ 26.0 | 266.37 | 224.87 | 232.87 | 279.22 |
| γ 27.0 | 253.64 | 214.49 | 219.36 | 264.70 |
| γ 28.0 | 240.10 | 203.62 | 210.04 | 250.85 |
| γ 29.0 | 226.40 | 194.52 | 200.54 | 237.68 |
| γ 30.0 | 215.89 | 184.32 | 192.53 | 225.81 |
| γ 31.0 | 207.62 | 176.88 | 183.59 | 216.00 |
| γ 32.0 | 198.32 | 170.80 | 175.41 | 206.38 |
| γ 33.0 | 191.29 | 166.44 | 169.47 | 197.40 |
| γ 34.0 | 182.78 | 163.37 | 164.87 | 188.88 |
| γ 35.0 | 177.81 | 161.30 | 161.03 | 180.39 |
| γ 36.0 | 173.83 | 155.35 | 157.18 | 174.13 |
| γ 37.0 | 171.18 | 144.95 | 153.01 | 170.05 |
| γ 38.0 | 166.98 | 130.07 | 146.09 | 167.08 |
| γ 39.0 | 159.53 | 113.51 | 133.78 | 163.61 |
| γ 40.0 | 146.16 | 97.08 | 118.04 | 158.23 |
| γ 41.0 | 131.00 | 79.59 | 101.07 | 147.96 |
| γ 42.0 | 113.37 | 60.78 | 81.93 | 133.44 |
| γ 43.0 | 93.75 | 45.87 | 65.24 | 116.44 |
| γ 44.0 | 77.55 | 34.78 | 49.46 | 100.31 |
| γ 45.0 | 60.32 | 28.61 | 37.42 | 83.42 |
| γ 46.0 | 48.03 | 25.33 | 29.68 | 65.83 |

EQUIVALENT • IES Indoor Report
Photometric Filename:KA6R28BN.IES

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|--------|-------|-------|--------|--------|
| γ 47.0 | 39.44 | 22.43 | 24.95 | 50.54 |
| γ 48.0 | 33.95 | 20.34 | 22.57 | 39.56 |
| γ 49.0 | 30.94 | 17.94 | 20.18 | 32.12 |
| γ 50.0 | 28.20 | 16.03 | 18.00 | 28.30 |
| γ 51.0 | 25.67 | 14.61 | 15.36 | 25.91 |
| γ 52.0 | 23.41 | 13.47 | 13.73 | 23.78 |
| γ 53.0 | 20.92 | 12.58 | 12.47 | 21.84 |
| γ 54.0 | 18.98 | 11.64 | 11.44 | 19.67 |
| γ 55.0 | 17.35 | 10.93 | 10.52 | 17.64 |
| γ 56.0 | 15.92 | 10.31 | 9.68 | 16.12 |
| γ 57.0 | 14.69 | 9.60 | 8.97 | 14.88 |
| γ 58.0 | 13.57 | 9.07 | 8.28 | 13.71 |
| γ 59.0 | 12.65 | 8.61 | 7.64 | 12.66 |
| γ 60.0 | 11.80 | 8.16 | 7.15 | 11.74 |
| γ 61.0 | 11.05 | 7.82 | 6.73 | 10.94 |
| γ 62.0 | 10.51 | 7.49 | 6.34 | 10.11 |
| γ 63.0 | 9.96 | 7.09 | 6.07 | 9.44 |
| γ 64.0 | 9.42 | 6.79 | 5.78 | 8.92 |
| γ 65.0 | 8.87 | 6.24 | 5.48 | 8.39 |
| γ 66.0 | 8.35 | 5.86 | 5.15 | 7.94 |
| γ 67.0 | 7.88 | 5.37 | 4.82 | 7.53 |
| γ 68.0 | 7.33 | 5.11 | 4.51 | 7.13 |
| γ 69.0 | 6.90 | 4.88 | 4.26 | 6.83 |
| γ 70.0 | 6.36 | 4.66 | 4.10 | 6.31 |
| γ 71.0 | 5.96 | 4.43 | 3.95 | 6.05 |
| γ 72.0 | 5.68 | 4.23 | 3.81 | 5.60 |
| γ 73.0 | 5.43 | 4.02 | 3.67 | 5.36 |
| γ 74.0 | 5.19 | 3.83 | 3.53 | 5.15 |
| γ 75.0 | 4.97 | 3.65 | 3.39 | 4.96 |
| γ 76.0 | 4.77 | 3.45 | 3.26 | 4.78 |
| γ 77.0 | 4.56 | 3.26 | 3.12 | 4.60 |
| γ 78.0 | 4.36 | 3.09 | 2.98 | 4.42 |
| γ 79.0 | 4.17 | 2.93 | 2.85 | 4.24 |
| γ 80.0 | 3.98 | 2.79 | 2.71 | 4.08 |
| γ 81.0 | 3.81 | 2.65 | 2.56 | 3.90 |
| γ 82.0 | 3.63 | 2.55 | 2.42 | 3.74 |
| γ 83.0 | 3.47 | 2.37 | 2.29 | 3.56 |
| γ 84.0 | 3.32 | 2.18 | 2.16 | 3.41 |
| γ 85.0 | 3.17 | 2.01 | 2.05 | 3.25 |
| γ 86.0 | 3.02 | 1.72 | 1.92 | 3.09 |
| γ 87.0 | 2.85 | 1.41 | 1.76 | 2.97 |
| γ 88.0 | 2.68 | 1.33 | 1.54 | 2.83 |
| γ 89.0 | 2.48 | 1.28 | 1.42 | 2.66 |
| γ 90.0 | 2.17 | 1.23 | 1.38 | 2.50 |
| γ 91.0 | 1.95 | 1.21 | 1.33 | 2.25 |
| γ 92.0 | 1.88 | 1.16 | 1.29 | 1.99 |
| γ 93.0 | 1.81 | 1.13 | 1.25 | 1.92 |

EQUIVALENT • IES Indoor Report
Photometric Filename:KA6R28BN.IES

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|---------|------|-------|--------|--------|
| γ 94.0 | 1.76 | 1.09 | 1.20 | 1.85 |
| γ 95.0 | 1.71 | 1.06 | 1.17 | 1.80 |
| γ 96.0 | 1.65 | 1.03 | 1.14 | 1.74 |
| γ 97.0 | 1.62 | 1.01 | 1.11 | 1.69 |
| γ 98.0 | 1.57 | 0.99 | 1.09 | 1.65 |
| γ 99.0 | 1.53 | 0.97 | 1.06 | 1.60 |
| γ 100.0 | 1.49 | 0.95 | 1.04 | 1.55 |
| γ 101.0 | 1.46 | 0.93 | 1.02 | 1.51 |
| γ 102.0 | 1.42 | 0.93 | 1.01 | 1.48 |
| γ 103.0 | 1.40 | 0.91 | 1.00 | 1.45 |
| γ 104.0 | 1.37 | 0.91 | 1.00 | 1.42 |
| γ 105.0 | 1.35 | 0.91 | 0.99 | 1.39 |
| γ 106.0 | 1.33 | 0.90 | 0.98 | 1.37 |
| γ 107.0 | 1.31 | 0.90 | 0.98 | 1.36 |
| γ 108.0 | 1.30 | 0.91 | 1.00 | 1.34 |
| γ 109.0 | 1.30 | 0.90 | 0.99 | 1.33 |
| γ 110.0 | 1.28 | 0.91 | 1.00 | 1.31 |
| γ 111.0 | 1.27 | 0.92 | 1.00 | 1.32 |
| γ 112.0 | 1.27 | 0.92 | 1.02 | 1.30 |
| γ 113.0 | 1.27 | 0.92 | 1.03 | 1.30 |
| γ 114.0 | 1.26 | 0.94 | 1.04 | 1.30 |
| γ 115.0 | 1.27 | 0.95 | 1.07 | 1.31 |
| γ 116.0 | 1.27 | 0.96 | 1.08 | 1.31 |
| γ 117.0 | 1.28 | 0.97 | 1.10 | 1.31 |
| γ 118.0 | 1.27 | 0.99 | 1.12 | 1.32 |
| γ 119.0 | 1.28 | 1.02 | 1.15 | 1.33 |
| γ 120.0 | 1.28 | 1.03 | 1.17 | 1.34 |
| γ 121.0 | 1.29 | 1.06 | 1.20 | 1.36 |
| γ 122.0 | 1.31 | 1.10 | 1.23 | 1.37 |
| γ 123.0 | 1.32 | 1.13 | 1.26 | 1.40 |
| γ 124.0 | 1.34 | 1.16 | 1.30 | 1.42 |
| γ 125.0 | 1.36 | 1.19 | 1.34 | 1.44 |
| γ 126.0 | 1.38 | 1.23 | 1.37 | 1.48 |
| γ 127.0 | 1.41 | 1.28 | 1.40 | 1.50 |
| γ 128.0 | 1.44 | 1.32 | 1.45 | 1.52 |
| γ 129.0 | 1.47 | 1.37 | 1.50 | 1.56 |
| γ 130.0 | 1.51 | 1.42 | 1.55 | 1.59 |
| γ 131.0 | 1.55 | 1.47 | 1.60 | 1.63 |
| γ 132.0 | 1.58 | 1.52 | 1.65 | 1.67 |
| γ 133.0 | 1.63 | 1.58 | 1.71 | 1.71 |
| γ 134.0 | 1.68 | 1.63 | 1.78 | 1.74 |
| γ 135.0 | 1.72 | 1.69 | 1.83 | 1.79 |
| γ 136.0 | 1.78 | 1.75 | 1.90 | 1.84 |
| γ 137.0 | 1.83 | 1.82 | 1.98 | 1.90 |
| γ 138.0 | 1.89 | 1.88 | 2.05 | 1.95 |
| γ 139.0 | 1.94 | 1.94 | 2.12 | 2.01 |
| γ 140.0 | 1.99 | 2.01 | 2.19 | 2.07 |

EQUIVALENT • IES Indoor Report
Photometric Filename:KA6R28BN.IES

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|---------|------|-------|--------|--------|
| γ 141.0 | 2.04 | 2.08 | 2.26 | 2.13 |
| γ 142.0 | 2.11 | 2.15 | 2.33 | 2.19 |
| γ 143.0 | 2.17 | 2.21 | 2.38 | 2.26 |
| γ 144.0 | 2.24 | 2.27 | 2.45 | 2.32 |
| γ 145.0 | 2.30 | 2.33 | 2.50 | 2.39 |
| γ 146.0 | 2.35 | 2.40 | 2.56 | 2.45 |
| γ 147.0 | 2.40 | 2.45 | 2.61 | 2.51 |
| γ 148.0 | 2.48 | 2.49 | 2.66 | 2.56 |
| γ 149.0 | 2.53 | 2.54 | 2.70 | 2.62 |
| γ 150.0 | 2.58 | 2.60 | 2.76 | 2.66 |
| γ 151.0 | 2.65 | 2.64 | 2.80 | 2.72 |
| γ 152.0 | 2.70 | 2.69 | 2.85 | 2.76 |
| γ 153.0 | 2.74 | 2.74 | 2.89 | 2.81 |
| γ 154.0 | 2.79 | 2.78 | 2.93 | 2.85 |
| γ 155.0 | 2.84 | 2.82 | 2.98 | 2.89 |
| γ 156.0 | 2.90 | 2.87 | 3.03 | 2.93 |
| γ 157.0 | 2.94 | 2.90 | 3.06 | 2.98 |
| γ 158.0 | 2.99 | 2.95 | 3.11 | 3.02 |
| γ 159.0 | 3.03 | 2.99 | 3.15 | 3.05 |
| γ 160.0 | 3.08 | 3.04 | 3.18 | 3.08 |
| γ 161.0 | 3.11 | 3.07 | 3.21 | 3.12 |
| γ 162.0 | 3.14 | 3.11 | 3.25 | 3.16 |
| γ 163.0 | 3.19 | 3.15 | 3.28 | 3.20 |
| γ 164.0 | 3.22 | 3.19 | 3.31 | 3.23 |
| γ 165.0 | 3.27 | 3.22 | 3.34 | 3.25 |
| γ 166.0 | 3.31 | 3.26 | 3.37 | 3.29 |
| γ 167.0 | 3.34 | 3.29 | 3.39 | 3.32 |
| γ 168.0 | 3.36 | 3.32 | 3.42 | 3.35 |
| γ 169.0 | 3.40 | 3.34 | 3.44 | 3.38 |
| γ 170.0 | 3.44 | 3.37 | 3.45 | 3.40 |
| γ 171.0 | 3.46 | 3.39 | 3.47 | 3.44 |
| γ 172.0 | 3.50 | 3.41 | 3.48 | 3.46 |
| γ 173.0 | 3.52 | 3.43 | 3.49 | 3.49 |
| γ 174.0 | 3.54 | 3.44 | 3.51 | 3.51 |
| γ 175.0 | 3.56 | 3.45 | 3.52 | 3.53 |
| γ 176.0 | 3.58 | 3.46 | 3.53 | 3.54 |
| γ 177.0 | 3.58 | 3.47 | 3.54 | 3.56 |
| γ 178.0 | 3.59 | 3.49 | 3.55 | 3.56 |
| γ 179.0 | 3.58 | 3.50 | 3.56 | 3.58 |
| γ 180.0 | 3.56 | 3.56 | 3.56 | 3.56 |