

Description Information(From Photometric File)

Photometric File: 900mA 5500K帶罩.IES
IES Format: IESNA:LM-63-1995
[TEST] Sealite
[DATE] 2020/06/27
[MANUFAC] Sealite
[LUMCAT]
[LUMINAIRE]
[LAMPCAT]
[LAMP]
[BALLASTCAT]
[BALLAST]
[OTHER] 1 GON-1800
[More] Temperature:15 Humidity:40
[More] Frequency:50.0 Voltage:229.7 Current:0.197 Power:42.5 PF:0.940

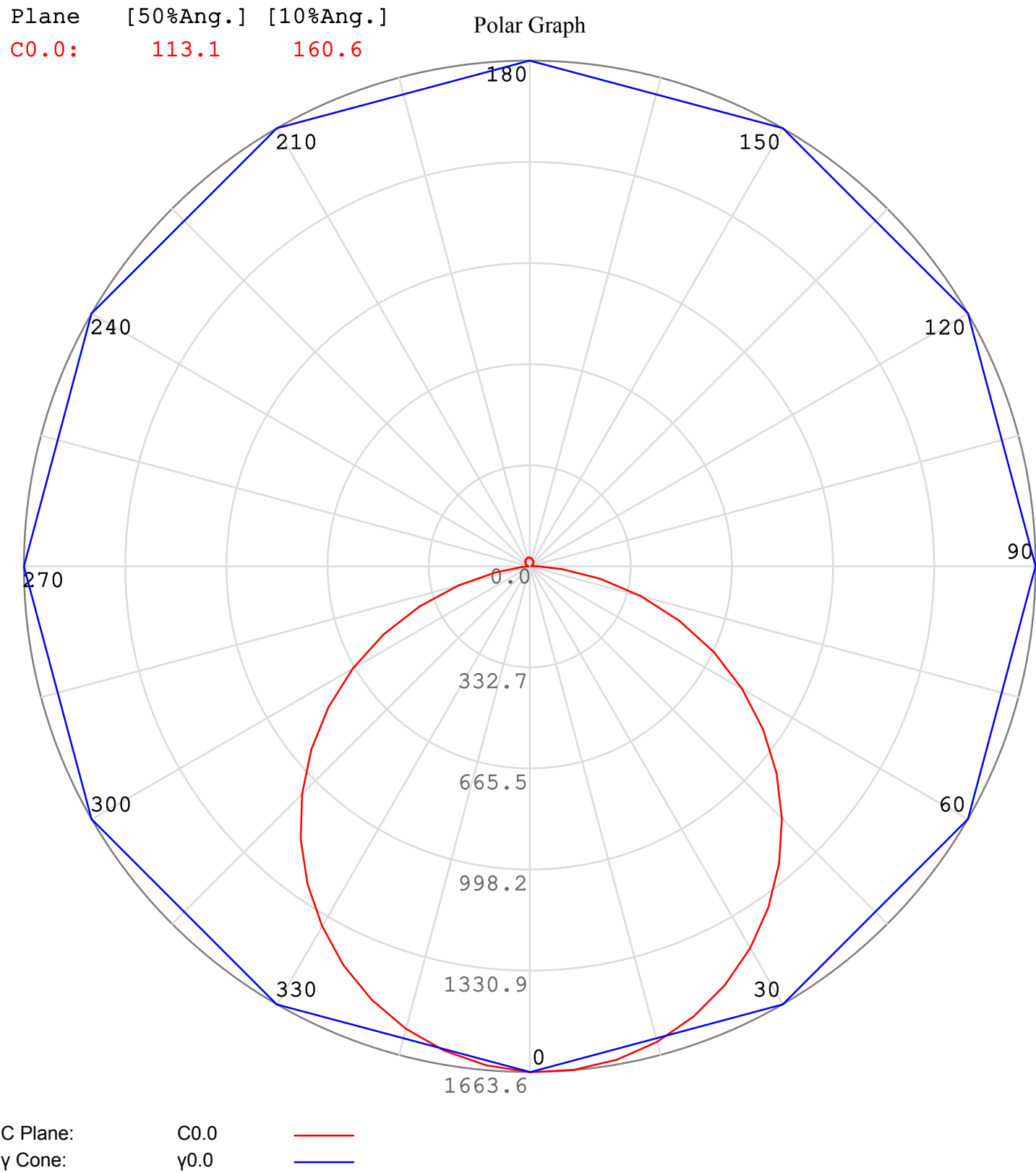
Character

| | |
|---------------------------------|--------------------------|
| Lamp Power(w): | 42.5 |
| Total Rated Lamp Lumens(lm): | 7053.34 |
| Luminair Lumens(lm): | 5598.18 |
| Total Luminair Efficacy: | 79.37% |
| Luminaire Efficacy Rating(LER): | 131.72 |
| Maximum Intencity(cd): | 1663.63 |
| Max Cd Angle(deg): | C=0.0 γ=0.0 |
| Downward Lumens(lm): | 5180.97 |
| Downward Total Efficiency: | 92.55% |
| Spacing Criteria: | C0_180=0.65 C90_270=0.64 |
| CIE Type: | Semi-Direct |
| Beam Angle(50%Imax): | Left=-54.1 Right=59.0 |
| Field Angle(10%Imax): | 155.6 |

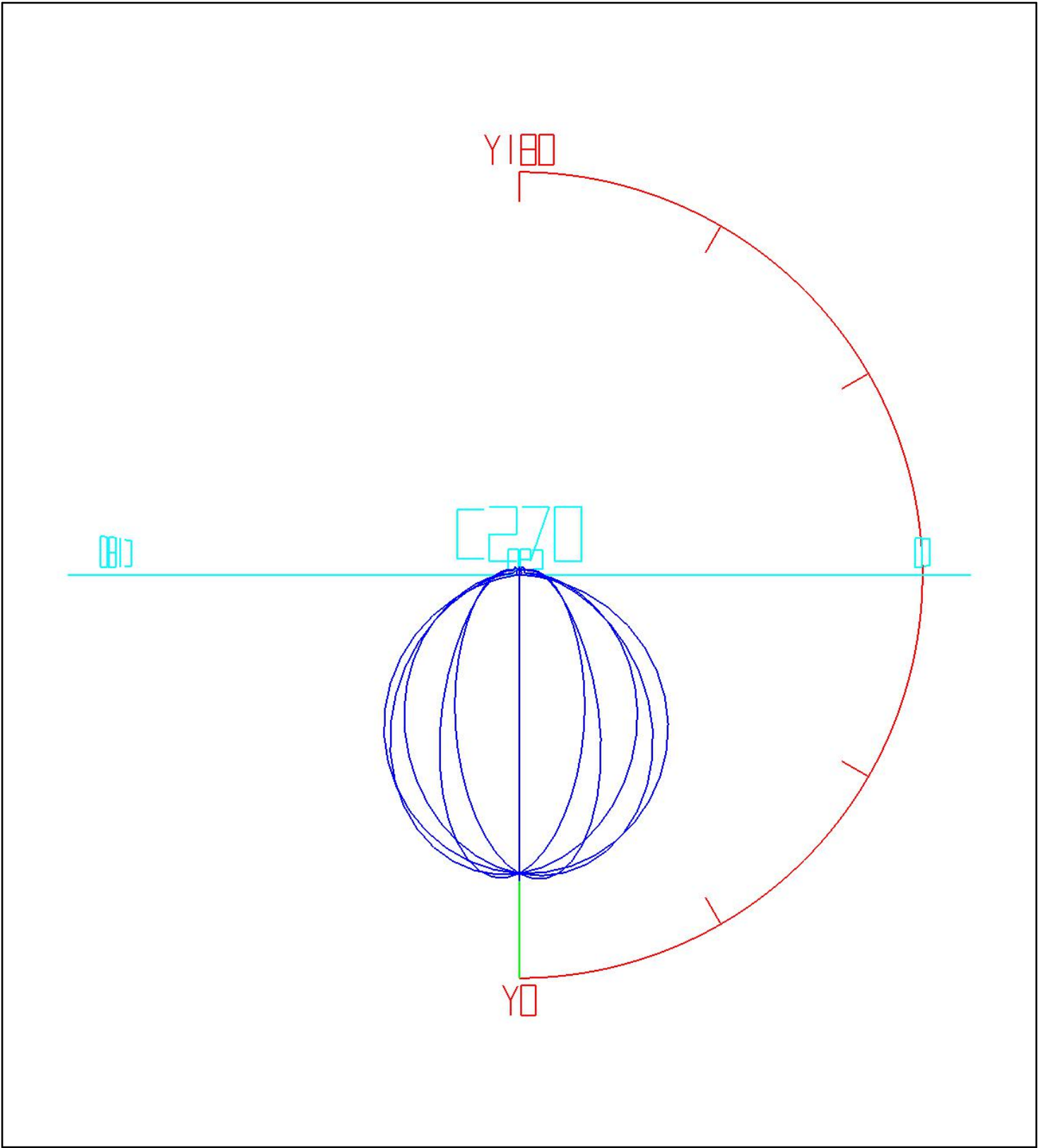
Candela Tabulation

| | C0.0 | C30.0 | C60.0 | C90.0 | C120.0 | C150.0 | C180.0 | C210.0 | C240.0 | C270.0 | C300.0 | C330.0 | C360.0 |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <u>γ 0.0</u> | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 | 1663.63 |
| <u>γ 5.0</u> | 1662.77 | 1660.03 | 1660.03 | 1660.23 | 1659.35 | 1657.15 | 1647.50 | 1650.33 | 1650.61 | 1657.16 | 1655.49 | 1657.45 | 1662.77 |
| <u>γ 10.0</u> | 1648.28 | 1643.00 | 1643.70 | 1640.05 | 1640.34 | 1635.41 | 1618.01 | 1623.88 | 1624.88 | 1634.05 | 1632.17 | 1636.08 | 1648.28 |
| <u>γ 15.0</u> | 1619.16 | 1611.98 | 1613.56 | 1606.64 | 1608.14 | 1599.81 | 1574.49 | 1583.28 | 1585.32 | 1596.91 | 1595.12 | 1599.88 | 1619.16 |
| <u>γ 20.0</u> | 1576.00 | 1567.16 | 1570.45 | 1561.15 | 1562.46 | 1550.62 | 1517.61 | 1529.20 | 1531.80 | 1546.66 | 1544.10 | 1550.20 | 1576.00 |
| <u>γ 25.0</u> | 1519.52 | 1509.48 | 1515.03 | 1503.59 | 1504.46 | 1488.96 | 1447.98 | 1462.31 | 1465.04 | 1483.41 | 1479.96 | 1487.20 | 1519.52 |
| <u>γ 30.0</u> | 1450.22 | 1439.42 | 1447.91 | 1434.50 | 1434.27 | 1415.38 | 1366.43 | 1383.24 | 1385.80 | 1407.69 | 1403.28 | 1411.48 | 1450.22 |
| <u>γ 35.0</u> | 1368.65 | 1357.63 | 1368.84 | 1354.28 | 1353.02 | 1330.42 | 1274.06 | 1292.67 | 1295.64 | 1320.92 | 1315.11 | 1324.03 | 1368.65 |
| <u>γ 40.0</u> | 1275.64 | 1265.31 | 1279.28 | 1263.69 | 1261.68 | 1235.09 | 1171.52 | 1191.34 | 1195.91 | 1223.98 | 1216.81 | 1225.50 | 1275.64 |
| <u>γ 45.0</u> | 1172.22 | 1162.72 | 1180.24 | 1165.16 | 1161.18 | 1130.25 | 1058.94 | 1080.45 | 1087.31 | 1117.83 | 1109.29 | 1116.88 | 1172.22 |
| <u>γ 50.0</u> | 1059.09 | 1050.84 | 1073.29 | 1060.70 | 1053.28 | 1016.47 | 937.42 | 961.05 | 971.22 | 1004.42 | 993.99 | 999.17 | 1059.09 |
| <u>γ 55.0</u> | 936.65 | 930.95 | 961.96 | 953.37 | 941.72 | 895.12 | 807.84 | 834.92 | 851.07 | 889.09 | 873.96 | 873.92 | 936.65 |
| <u>γ 60.0</u> | 805.86 | 804.58 | 848.68 | 848.34 | 828.46 | 768.09 | 671.22 | 703.59 | 732.71 | 790.28 | 754.13 | 742.68 | 805.86 |
| <u>γ 65.0</u> | 667.85 | 674.01 | 738.99 | 749.38 | 719.83 | 637.95 | 529.10 | 570.01 | 623.99 | 677.14 | 644.16 | 608.44 | 667.85 |
| <u>γ 70.0</u> | 523.97 | 544.73 | 636.61 | 657.00 | 619.09 | 510.45 | 384.33 | 441.82 | 527.72 | 586.69 | 545.32 | 476.92 | 523.97 |
| <u>γ 75.0</u> | 377.42 | 422.50 | 541.82 | 569.62 | 525.94 | 392.23 | 242.40 | 328.71 | 441.47 | 503.46 | 456.92 | 359.63 | 377.42 |
| <u>γ 80.0</u> | 234.23 | 314.96 | 452.58 | 484.79 | 438.11 | 289.69 | 114.33 | 237.08 | 362.73 | 425.82 | 376.21 | 259.44 | 234.23 |
| <u>γ 85.0</u> | 107.62 | 223.13 | 368.19 | 403.78 | 355.50 | 202.32 | 24.40 | 163.38 | 292.33 | 354.59 | 303.54 | 179.86 | 107.62 |
| <u>γ 90.0</u> | 21.67 | 146.53 | 290.44 | 328.23 | 279.88 | 131.25 | 4.48 | 107.14 | 230.51 | 290.42 | 239.82 | 118.40 | 21.67 |
| <u>γ 95.0</u> | 4.84 | 89.17 | 221.35 | 259.68 | 213.15 | 79.62 | 5.50 | 68.14 | 176.64 | 232.52 | 183.98 | 74.72 | 4.84 |
| <u>γ 100.0</u> | 6.07 | 56.06 | 162.92 | 199.36 | 157.18 | 51.55 | 7.13 | 46.42 | 133.20 | 181.60 | 137.95 | 50.01 | 6.07 |
| <u>γ 105.0</u> | 7.30 | 41.55 | 119.05 | 150.89 | 115.60 | 40.49 | 8.90 | 37.17 | 94.47 | 139.72 | 99.28 | 37.67 | 7.30 |
| <u>γ 110.0</u> | 8.73 | 38.37 | 86.08 | 112.14 | 84.36 | 39.64 | 10.84 | 38.29 | 75.51 | 106.77 | 77.18 | 36.90 | 8.73 |
| <u>γ 115.0</u> | 10.58 | 38.34 | 74.16 | 92.17 | 73.80 | 39.20 | 12.44 | 38.04 | 66.44 | 86.91 | 66.17 | 37.71 | 10.58 |
| <u>γ 120.0</u> | 12.16 | 38.27 | 70.20 | 83.74 | 70.86 | 36.18 | 14.16 | 35.63 | 64.07 | 76.81 | 62.96 | 38.95 | 12.16 |
| <u>γ 125.0</u> | 13.60 | 38.41 | 66.98 | 79.49 | 68.14 | 33.90 | 16.13 | 32.55 | 62.29 | 72.19 | 61.13 | 38.15 | 13.60 |
| <u>γ 130.0</u> | 15.78 | 37.43 | 63.11 | 74.65 | 64.18 | 31.95 | 18.26 | 31.98 | 59.41 | 69.45 | 59.08 | 37.68 | 15.78 |
| <u>γ 135.0</u> | 17.50 | 36.94 | 59.47 | 69.61 | 58.01 | 32.46 | 20.37 | 32.71 | 53.11 | 66.11 | 56.88 | 37.09 | 17.50 |
| <u>γ 140.0</u> | 19.13 | 35.64 | 55.83 | 63.50 | 50.99 | 32.05 | 22.24 | 32.84 | 46.26 | 61.72 | 53.85 | 35.76 | 19.13 |
| <u>γ 145.0</u> | 20.28 | 34.33 | 51.50 | 57.97 | 44.04 | 32.52 | 23.96 | 32.76 | 40.28 | 57.03 | 49.98 | 34.76 | 20.28 |
| <u>γ 150.0</u> | 21.72 | 33.45 | 47.86 | 52.35 | 38.96 | 32.41 | 25.39 | 33.09 | 37.44 | 51.67 | 46.31 | 33.67 | 21.72 |
| <u>γ 155.0</u> | 22.85 | 32.38 | 44.19 | 47.48 | 35.92 | 32.24 | 26.25 | 32.76 | 35.29 | 46.64 | 42.09 | 32.49 | 22.85 |
| <u>γ 160.0</u> | 23.76 | 30.87 | 40.32 | 42.69 | 34.16 | 31.42 | 27.01 | 31.81 | 33.70 | 41.59 | 37.95 | 30.90 | 23.76 |
| <u>γ 165.0</u> | 25.22 | 29.28 | 35.66 | 37.34 | 32.56 | 30.05 | 28.58 | 30.81 | 31.89 | 36.94 | 33.96 | 29.46 | 25.22 |
| <u>γ 170.0</u> | 26.69 | 28.65 | 31.77 | 32.12 | 30.69 | 29.19 | 28.77 | 29.91 | 30.08 | 31.74 | 31.05 | 28.64 | 26.69 |
| <u>γ 175.0</u> | 27.31 | 28.23 | 29.76 | 29.03 | 29.49 | 28.81 | 29.17 | 29.34 | 29.26 | 28.86 | 29.10 | 28.34 | 27.31 |
| <u>γ 180.0</u> | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 | 28.78 |

2D Light Intensity Distribution Curve



3D Light Intensity Distribution Curve

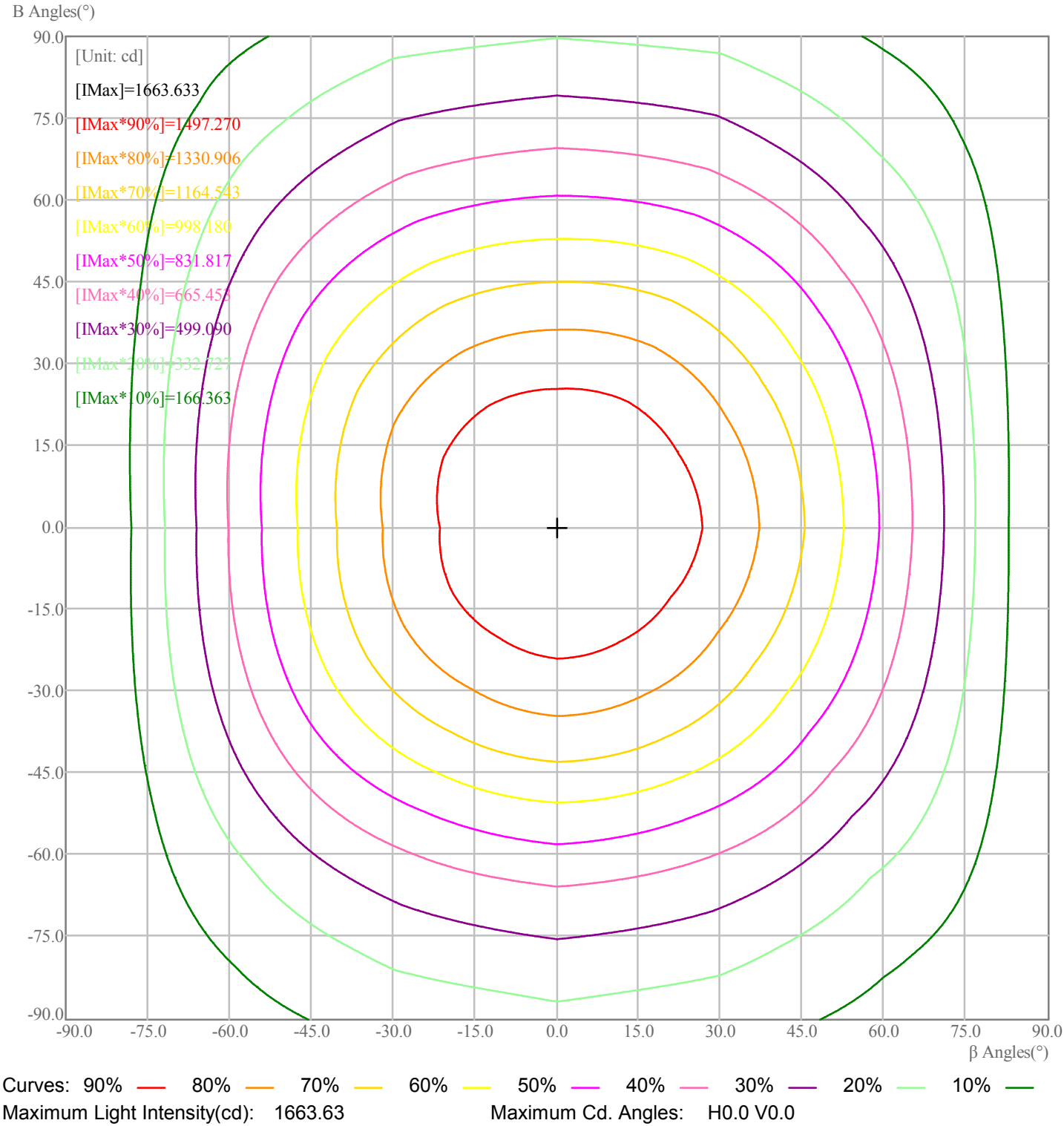


Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

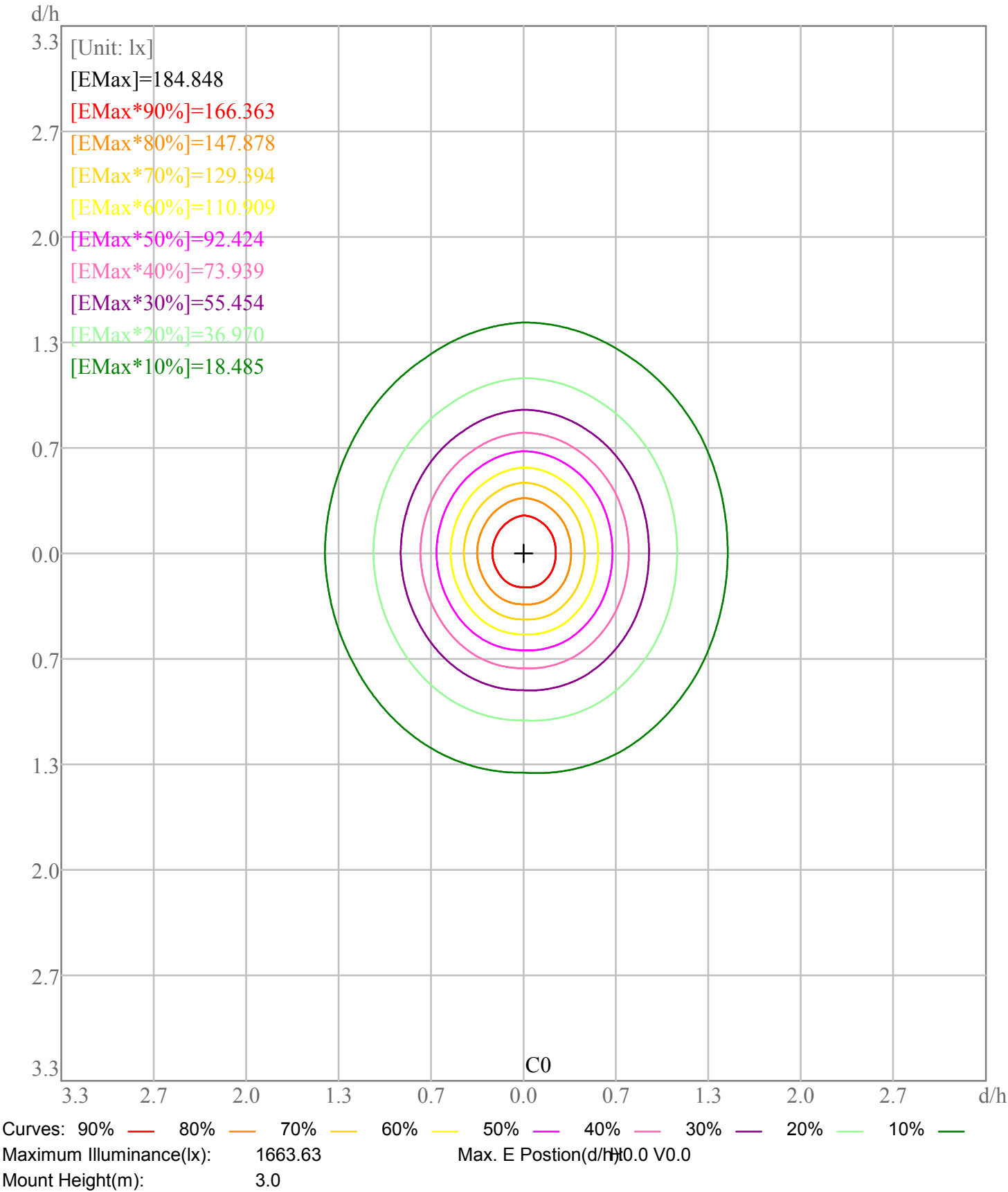
Zonal Liumens Tabulation

| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|-------------|-------------------|-------------------|-----------|-----------|
| 0.0-5.0 | 39.69 | 39.69 | 0.71 | 0.71 |
| 5.0-10.0 | 117.75 | 157.44 | 2.10 | 2.81 |
| 10.0-15.0 | 191.87 | 349.31 | 3.43 | 6.24 |
| 15.0-20.0 | 259.62 | 608.92 | 4.64 | 10.88 |
| 20.0-25.0 | 318.79 | 927.71 | 5.69 | 16.57 |
| 25.0-30.0 | 367.49 | 1295.20 | 6.56 | 23.14 |
| 30.0-35.0 | 404.16 | 1699.36 | 7.22 | 30.36 |
| 35.0-40.0 | 427.69 | 2127.05 | 7.64 | 38.00 |
| 40.0-45.0 | 437.41 | 2564.46 | 7.81 | 45.81 |
| 45.0-50.0 | 433.15 | 2997.61 | 7.74 | 53.55 |
| 50.0-55.0 | 415.51 | 3413.11 | 7.42 | 60.97 |
| 55.0-60.0 | 386.19 | 3799.30 | 6.90 | 67.87 |
| 60.0-65.0 | 347.22 | 4146.52 | 6.20 | 74.07 |
| 65.0-70.0 | 301.64 | 4448.17 | 5.39 | 79.46 |
| 70.0-75.0 | 253.04 | 4701.20 | 4.52 | 83.98 |
| 75.0-80.0 | 204.07 | 4905.27 | 3.65 | 87.62 |
| 80.0-85.0 | 157.80 | 5063.07 | 2.82 | 90.44 |
| 85.0-90.0 | 117.91 | 5180.97 | 2.11 | 92.55 |
| 90.0-95.0 | 86.66 | 5267.64 | 1.55 | 94.10 |
| 95.0-100.0 | 63.37 | 5331.01 | 1.13 | 95.23 |
| 100.0-105.0 | 46.41 | 5377.42 | 0.83 | 96.06 |
| 105.0-110.0 | 35.00 | 5412.43 | 0.63 | 96.68 |
| 110.0-115.0 | 28.50 | 5440.93 | 0.51 | 97.19 |
| 115.0-120.0 | 25.12 | 5466.05 | 0.45 | 97.64 |
| 120.0-125.0 | 22.86 | 5488.91 | 0.41 | 98.05 |
| 125.0-130.0 | 20.76 | 5509.67 | 0.37 | 98.42 |
| 130.0-135.0 | 18.58 | 5528.25 | 0.33 | 98.75 |
| 135.0-140.0 | 16.20 | 5544.45 | 0.29 | 99.04 |
| 140.0-145.0 | 13.75 | 5558.21 | 0.25 | 99.29 |
| 145.0-150.0 | 11.46 | 5569.66 | 0.20 | 99.49 |
| 150.0-155.0 | 9.33 | 5579.00 | 0.17 | 99.66 |
| 155.0-160.0 | 7.31 | 5586.31 | 0.13 | 99.79 |
| 160.0-165.0 | 5.41 | 5591.72 | 0.10 | 99.88 |
| 165.0-170.0 | 3.66 | 5595.38 | 0.07 | 99.95 |
| 170.0-175.0 | 2.10 | 5597.49 | 0.04 | 99.99 |
| 175.0-180.0 | 0.69 | 5598.18 | 0.01 | 100.00 |

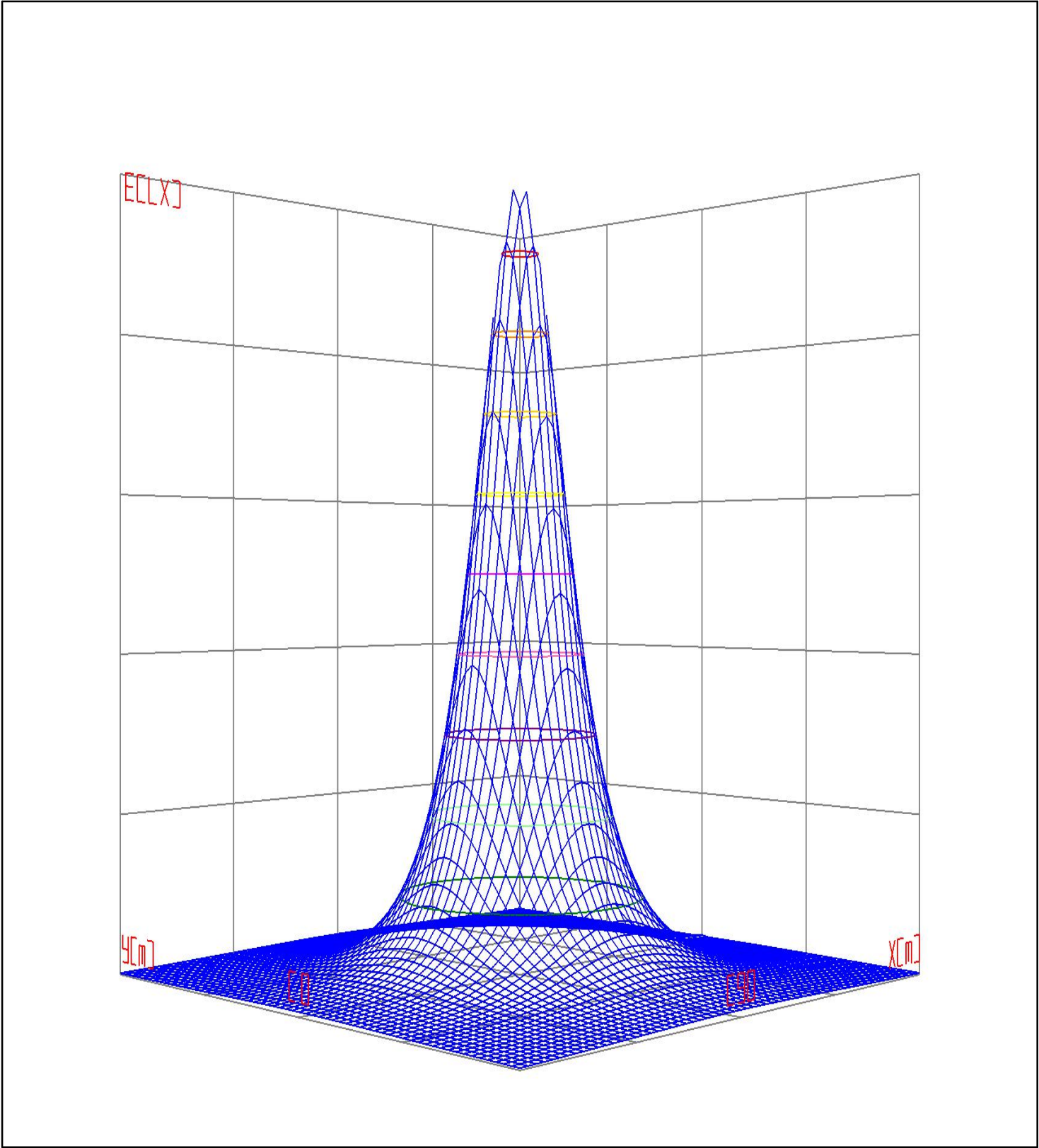
Rectangle ISO Light Intensity Curve



Plane ISO-Illuminance Curve

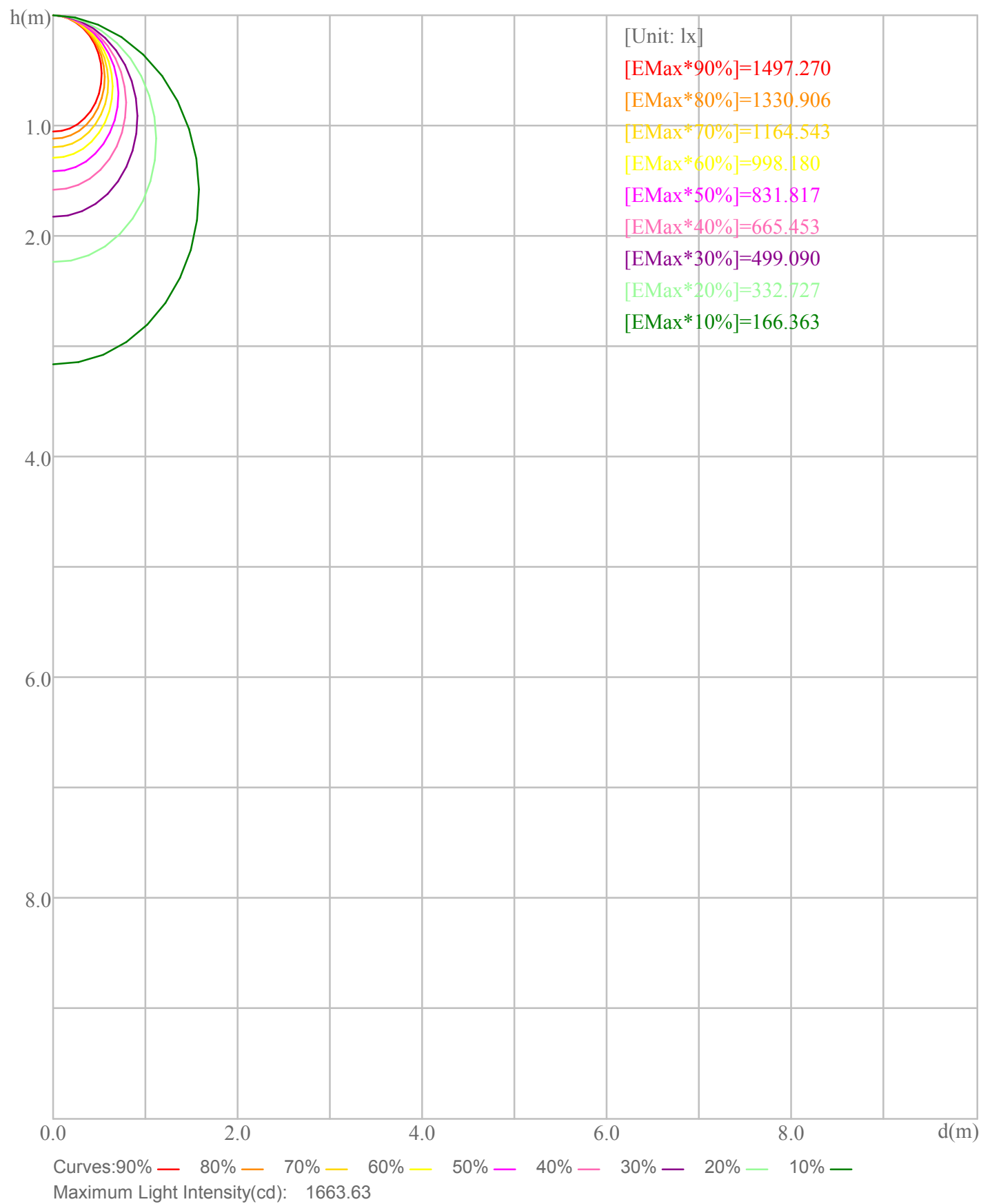


3D Plane ISO Illuminance Curve

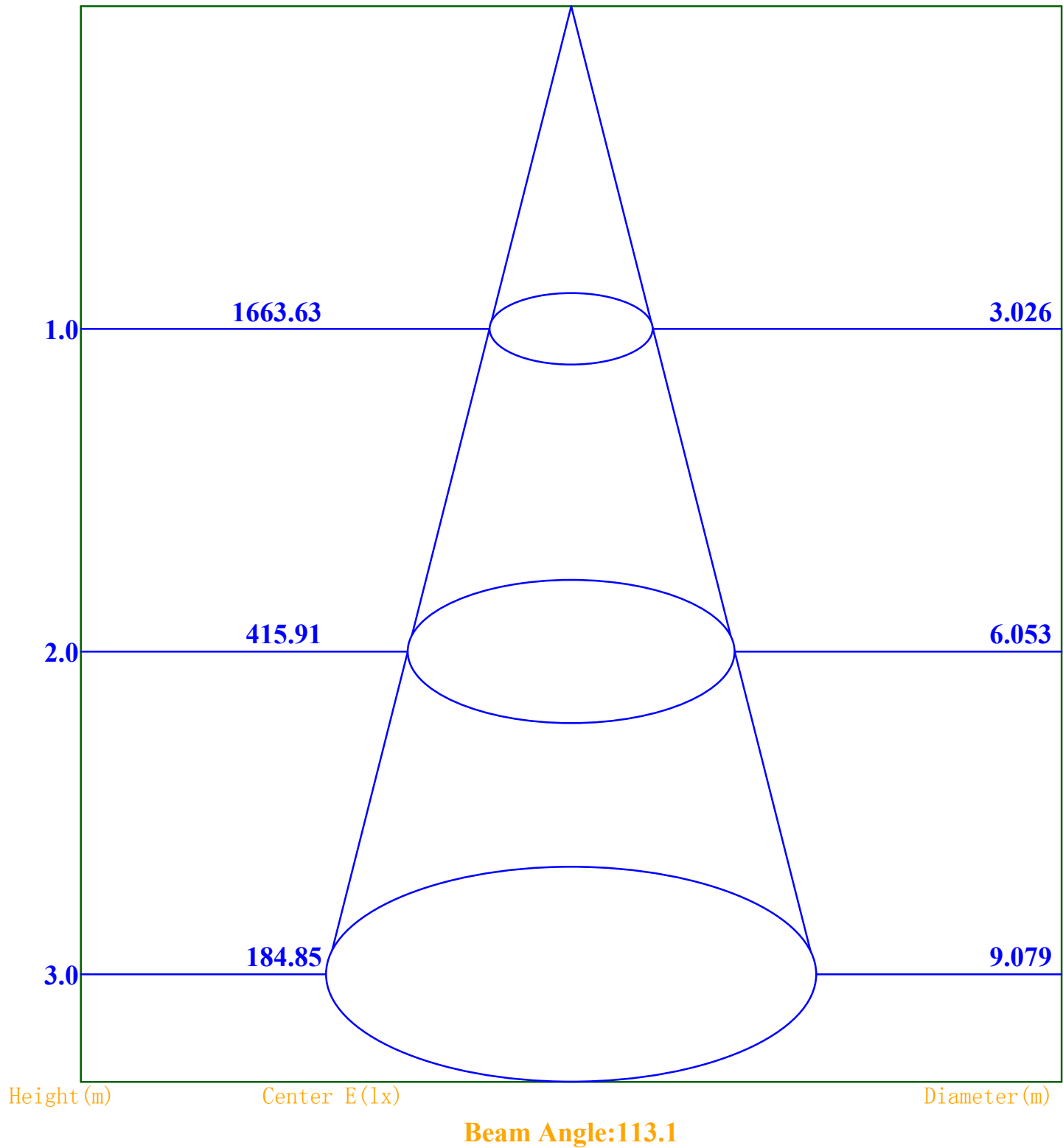


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Curve



Illuminance-Distance Curve



Indoor Luminance Limiting Curve

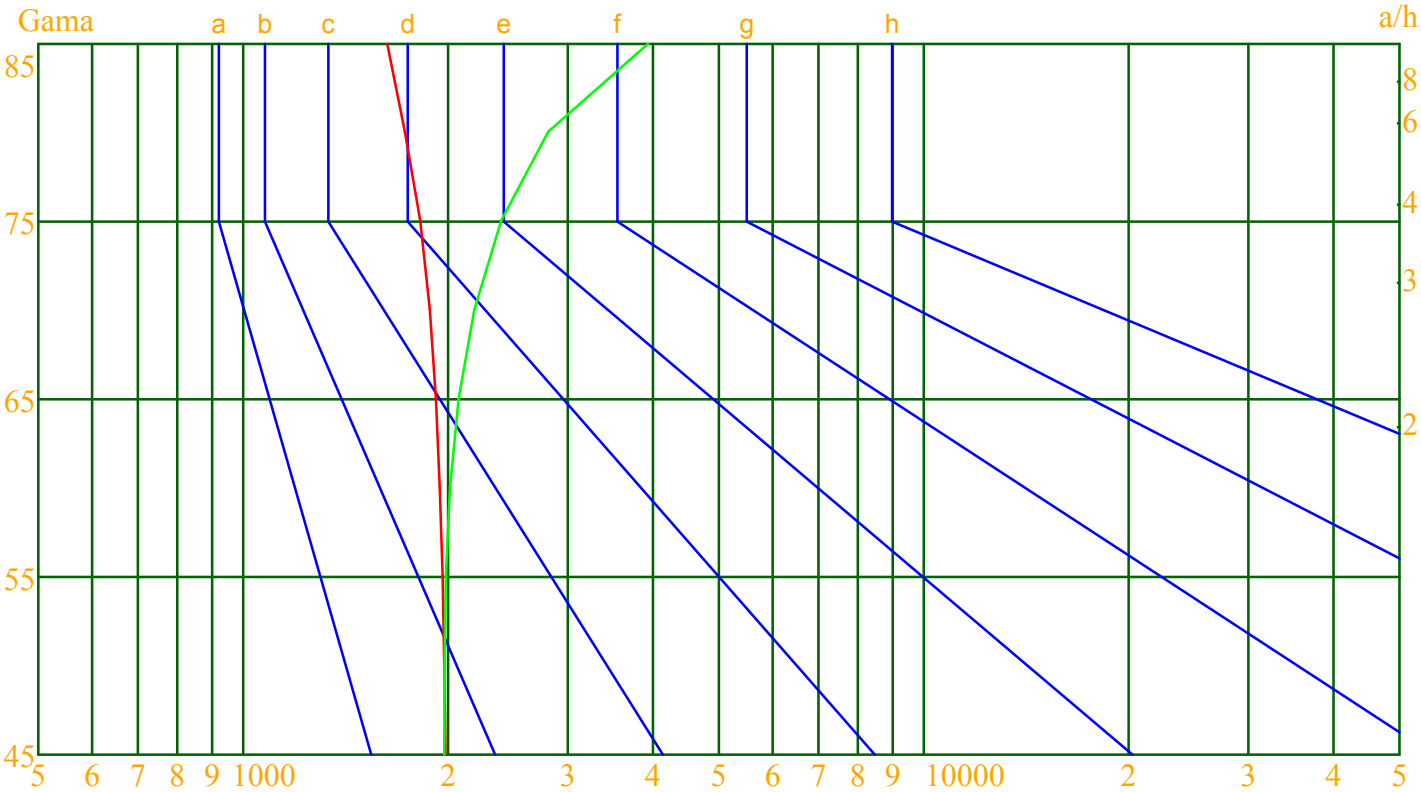
Glare Grade Table

| 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 | | | | | 2000 | 1000 | 500 | <=300 |
| | | a | b | c | d | e | f | g | h |

Luminance Table

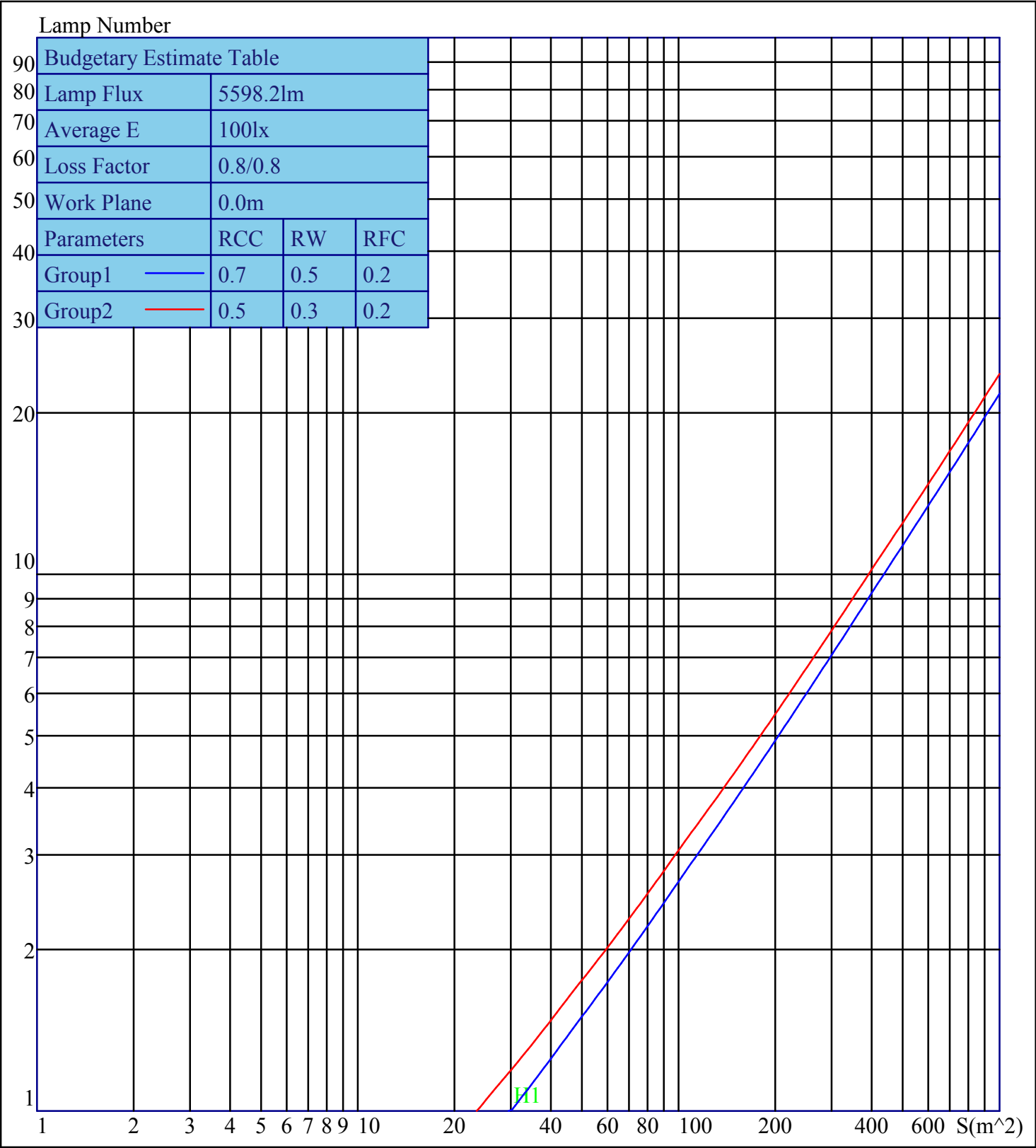
| Gama(deg) | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|-----------|------|------|------|------|------|------|------|------|-------|
| C0 | 3947 | 3923 | 3888 | 3837 | 3763 | 3648 | 3472 | 3212 | 2940 |
| C90 | 3923 | 3929 | 3958 | 4040 | 4222 | 4574 | 5240 | 6647 | 11031 |

Luminance Limiting Curve



Luminous Size: Length(m)=1.500 Width(m)=0.210 Height(m)=0.070 Area(m^2)=0.420000
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 | | | | | | | | | | | | | | | | | | |
|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Coefficient | 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 | 93 | 93 | 93 | 93 | 90 | 90 | 90 | 90 | 85 | 85 | 85 | 80 | 80 | 80 | 76 | 76 | 76 | 73 |
| 1 | 84 | 79 | 76 | 72 | 81 | 77 | 74 | 70 | 73 | 70 | 67 | 68 | 66 | 64 | 65 | 63 | 61 | 59 |
| 2 | 76 | 69 | 63 | 58 | 73 | 67 | 61 | 57 | 63 | 58 | 55 | 59 | 56 | 52 | 56 | 53 | 50 | 48 |
| 3 | 69 | 60 | 53 | 48 | 66 | 58 | 52 | 47 | 55 | 50 | 45 | 52 | 48 | 44 | 49 | 45 | 42 | 40 |
| 4 | 63 | 53 | 46 | 40 | 61 | 52 | 45 | 40 | 49 | 43 | 38 | 46 | 41 | 37 | 44 | 40 | 36 | 34 |
| 5 | 58 | 47 | 40 | 34 | 56 | 46 | 39 | 34 | 44 | 38 | 33 | 41 | 36 | 32 | 39 | 35 | 31 | 29 |
| 6 | 53 | 42 | 35 | 30 | 51 | 41 | 35 | 30 | 39 | 33 | 29 | 37 | 32 | 28 | 36 | 31 | 27 | 26 |
| 7 | 49 | 38 | 31 | 26 | 48 | 37 | 31 | 26 | 36 | 30 | 25 | 34 | 29 | 25 | 32 | 28 | 24 | 23 |
| 8 | 46 | 35 | 28 | 23 | 44 | 34 | 28 | 23 | 33 | 27 | 23 | 31 | 26 | 22 | 30 | 25 | 22 | 20 |
| 9 | 43 | 32 | 25 | 21 | 41 | 31 | 25 | 21 | 30 | 24 | 20 | 29 | 24 | 20 | 28 | 23 | 20 | 18 |
| 10 | 40 | 30 | 23 | 19 | 39 | 29 | 23 | 19 | 28 | 22 | 18 | 27 | 22 | 18 | 26 | 21 | 18 | 16 |