

Luminaire Property

Luminaire: RH-SPL22 20W 4000K

Report NO.:

Voltage: 219.6 V

Test NO.:

Current: 0.155 A

Lamp:

Power: 18.5 W

Sum Lumens: 1691.59 lm

Power Factor: 0.545

Number of Lamps: 1

Ballast Type: EMC300mA

Diameter: mm

Width: 240mm

Length: 240mm

Height: 20mm

Photometric Type: Type C

Remark: PMMA+0.5W SMD2835

Photometric Results

Lumens: 1691.59 lm

Angle of maximum intensity: C:135.0 G:1.0

Effective luminous flux: 1662.55 lm

Half Peak Side Angle(50%): Left: -54.0 Right:55.5

Efficiency: 91.4373 lm/W

Light Out Rate(LOR) : 100.00%

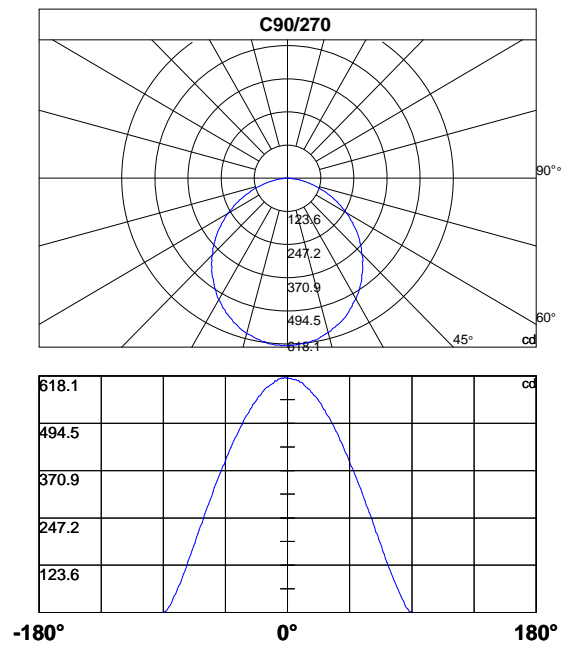
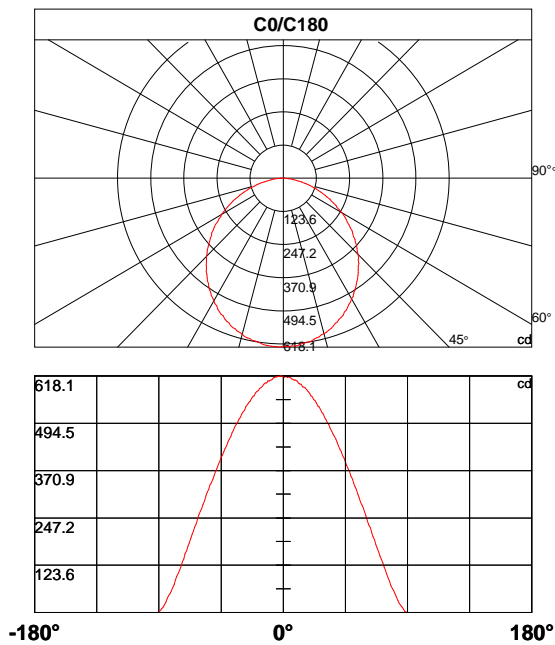
Central Intensity: 615.214cd

Up Flux Rate: 0.0%

Maximum Intensity: 618.122cd

Down Flux Rate: 100.0%

Beam Angle(10%): Left: -79.0 Right:80.4



Photometric Data Table [cd]

| C\G | 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 615.2 | 615.3 | 617.5 | 614.2 | 615.9 | 614.6 | 610.7 | 609.1 | 607.4 | 607.4 |
| 45.0 | 615.2 | 611.7 | 611.5 | 610.9 | 609.5 | 608.1 | 609.5 | 605.8 | 606.2 | 601.5 |
| 90.0 | 615.2 | 611.7 | 611.5 | 610.9 | 609.5 | 608.1 | 609.5 | 605.8 | 606.2 | 601.5 |
| 135.0 | 615.2 | 618.1 | 618.1 | 617.3 | 616.7 | 615.9 | 614.6 | 613.6 | 609.3 | 607.6 |
| 180.0 | 615.2 | 618.1 | 618.1 | 617.3 | 616.7 | 615.9 | 614.6 | 613.6 | 609.3 | 607.6 |
| 225.0 | 615.2 | 612.1 | 614.2 | 611.3 | 613.0 | 611.7 | 610.5 | 609.5 | 604.8 | 605.6 |
| 270.0 | 615.2 | 612.1 | 614.2 | 611.3 | 613.0 | 611.7 | 610.5 | 609.5 | 604.8 | 605.6 |
| 315.0 | 615.2 | 615.3 | 617.5 | 614.2 | 615.9 | 614.6 | 610.7 | 609.1 | 607.4 | 607.4 |
| 360.0 | 615.2 | 615.3 | 617.5 | 614.2 | 615.9 | 614.6 | 610.7 | 609.1 | 607.4 | 607.4 |

| C\G | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 605.0 | 600.2 | 597.2 | 596.5 | 590.2 | 588.9 | 586.5 | 582.1 | 578.2 | 572.9 |
| 45.0 | 601.5 | 599.2 | 594.1 | 590.8 | 587.7 | 583.8 | 582.7 | 575.8 | 572.7 | 568.0 |
| 90.0 | 601.5 | 599.2 | 594.1 | 590.8 | 587.7 | 583.8 | 582.7 | 575.8 | 572.7 | 568.0 |
| 135.0 | 605.0 | 605.4 | 599.6 | 600.0 | 597.0 | 591.2 | 587.9 | 585.9 | 579.9 | 578.5 |
| 180.0 | 605.0 | 605.4 | 599.6 | 600.0 | 597.0 | 591.2 | 587.9 | 585.9 | 579.9 | 578.5 |
| 225.0 | 600.4 | 598.6 | 595.9 | 592.9 | 590.2 | 588.7 | 585.3 | 581.1 | 577.8 | 570.6 |
| 270.0 | 600.4 | 598.6 | 595.9 | 592.9 | 590.2 | 588.7 | 585.3 | 581.1 | 577.8 | 570.6 |
| 315.0 | 605.0 | 600.2 | 597.2 | 596.5 | 590.2 | 588.9 | 586.5 | 582.1 | 578.2 | 572.9 |
| 360.0 | 605.0 | 600.2 | 597.2 | 596.5 | 590.2 | 588.9 | 586.5 | 582.1 | 578.2 | 572.9 |

| C\G | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 | 27.0 | 28.0 | 29.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 566.1 | 563.5 | 556.5 | 553.8 | 548.4 | 539.8 | 536.9 | 530.1 | 522.3 | 518.4 |
| 45.0 | 565.9 | 561.2 | 555.9 | 551.5 | 546.2 | 539.8 | 532.0 | 528.5 | 519.5 | 514.3 |
| 90.0 | 565.9 | 561.2 | 555.9 | 551.5 | 546.2 | 539.8 | 532.0 | 528.5 | 519.5 | 514.3 |
| 135.0 | 574.0 | 566.5 | 564.3 | 559.3 | 551.9 | 549.1 | 543.5 | 537.8 | 529.1 | 525.6 |
| 180.0 | 574.0 | 566.5 | 564.3 | 559.3 | 551.9 | 549.1 | 543.5 | 537.8 | 529.1 | 525.6 |
| 225.0 | 566.3 | 564.7 | 556.9 | 552.3 | 546.8 | 543.9 | 535.5 | 532.2 | 523.1 | 517.6 |
| 270.0 | 566.3 | 564.7 | 556.9 | 552.3 | 546.8 | 543.9 | 535.5 | 532.2 | 523.1 | 517.6 |
| 315.0 | 566.1 | 563.5 | 556.5 | 553.8 | 548.4 | 539.8 | 536.9 | 530.1 | 522.3 | 518.4 |
| 360.0 | 566.1 | 563.5 | 556.5 | 553.8 | 548.4 | 539.8 | 536.9 | 530.1 | 522.3 | 518.4 |

| C\G | 30.0 | 31.0 | 32.0 | 33.0 | 34.0 | 35.0 | 36.0 | 37.0 | 38.0 | 39.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 509.4 | 504.9 | 495.6 | 490.7 | 481.8 | 474.0 | 466.6 | 461.3 | 453.5 | 445.2 |
| 45.0 | 510.0 | 503.2 | 496.5 | 489.0 | 482.0 | 474.2 | 468.1 | 460.1 | 450.0 | 444.4 |
| 90.0 | 510.0 | 503.2 | 496.5 | 489.0 | 482.0 | 474.2 | 468.1 | 460.1 | 450.0 | 444.4 |
| 135.0 | 518.4 | 510.4 | 506.5 | 496.7 | 491.9 | 484.7 | 475.7 | 470.5 | 460.1 | 452.4 |
| 180.0 | 518.4 | 510.4 | 506.5 | 496.7 | 491.9 | 484.7 | 475.7 | 470.5 | 460.1 | 452.4 |
| 225.0 | 513.7 | 506.9 | 500.3 | 490.5 | 485.8 | 477.1 | 469.3 | 461.5 | 456.0 | 448.5 |
| 270.0 | 513.7 | 506.9 | 500.3 | 490.5 | 485.8 | 477.1 | 469.3 | 461.5 | 456.0 | 448.5 |
| 315.0 | 509.4 | 504.9 | 495.6 | 490.7 | 481.8 | 474.0 | 466.6 | 461.3 | 453.5 | 445.2 |
| 360.0 | 509.4 | 504.9 | 495.6 | 490.7 | 481.8 | 474.0 | 466.6 | 461.3 | 453.5 | 445.2 |

Photometric Data Table [cd]

| C\G | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 | 45.0 | 46.0 | 47.0 | 48.0 | 49.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 435.6 | 426.8 | 421.0 | 409.5 | 403.5 | 393.4 | 384.2 | 375.1 | 368.0 | 356.2 |
| 45.0 | 436.2 | 426.6 | 417.7 | 411.7 | 403.5 | 392.0 | 382.8 | 377.6 | 368.4 | 356.8 |
| 90.0 | 436.2 | 426.6 | 417.7 | 411.7 | 403.5 | 392.0 | 382.8 | 377.6 | 368.4 | 356.8 |
| 135.0 | 446.3 | 436.0 | 428.8 | 420.4 | 412.1 | 405.4 | 394.1 | 387.3 | 377.0 | 368.2 |
| 180.0 | 446.3 | 436.0 | 428.8 | 420.4 | 412.1 | 405.4 | 394.1 | 387.3 | 377.0 | 368.2 |
| 225.0 | 441.3 | 430.7 | 424.7 | 413.6 | 407.4 | 396.1 | 386.8 | 381.5 | 369.6 | 363.0 |
| 270.0 | 441.3 | 430.7 | 424.7 | 413.6 | 407.4 | 396.1 | 386.8 | 381.5 | 369.6 | 363.0 |
| 315.0 | 435.6 | 426.8 | 421.0 | 409.5 | 403.5 | 393.4 | 384.2 | 375.1 | 368.0 | 356.2 |
| 360.0 | 435.6 | 426.8 | 421.0 | 409.5 | 403.5 | 393.4 | 384.2 | 375.1 | 368.0 | 356.2 |

| C\G | 50.0 | 51.0 | 52.0 | 53.0 | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 349.3 | 337.5 | 328.7 | 321.7 | 308.8 | 299.7 | 288.6 | 280.2 | 272.6 | 262.3 |
| 45.0 | 350.1 | 340.2 | 330.8 | 322.7 | 312.7 | 300.3 | 293.1 | 280.2 | 272.2 | 262.1 |
| 90.0 | 350.1 | 340.2 | 330.8 | 322.7 | 312.7 | 300.3 | 293.1 | 280.2 | 272.2 | 262.1 |
| 135.0 | 358.3 | 349.3 | 339.2 | 334.0 | 321.9 | 314.1 | 304.2 | 291.9 | 281.8 | 271.6 |
| 180.0 | 358.3 | 349.3 | 339.2 | 334.0 | 321.9 | 314.1 | 304.2 | 291.9 | 281.8 | 271.6 |
| 225.0 | 353.4 | 343.9 | 335.9 | 325.8 | 313.9 | 303.6 | 296.2 | 283.3 | 277.1 | 267.4 |
| 270.0 | 353.4 | 343.9 | 335.9 | 325.8 | 313.9 | 303.6 | 296.2 | 283.3 | 277.1 | 267.4 |
| 315.0 | 349.3 | 337.5 | 328.7 | 321.7 | 308.8 | 299.7 | 288.6 | 280.2 | 272.6 | 262.3 |
| 360.0 | 349.3 | 337.5 | 328.7 | 321.7 | 308.8 | 299.7 | 288.6 | 280.2 | 272.6 | 262.3 |

| C\G | 60.0 | 61.0 | 62.0 | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 252.4 | 238.8 | 228.4 | 221.8 | 208.8 | 198.4 | 190.3 | 177.0 | 169.2 | 157.7 |
| 45.0 | 254.1 | 243.8 | 231.3 | 223.3 | 210.3 | 204.1 | 190.7 | 182.8 | 172.7 | 159.3 |
| 90.0 | 254.1 | 243.8 | 231.3 | 223.3 | 210.3 | 204.1 | 190.7 | 182.8 | 172.7 | 159.3 |
| 135.0 | 265.2 | 254.9 | 244.4 | 232.1 | 223.9 | 212.4 | 204.3 | 193.9 | 181.1 | 172.9 |
| 180.0 | 265.2 | 254.9 | 244.4 | 232.1 | 223.9 | 212.4 | 204.3 | 193.9 | 181.1 | 172.9 |
| 225.0 | 256.7 | 244.0 | 233.1 | 225.3 | 216.0 | 205.8 | 195.1 | 181.9 | 174.1 | 162.6 |
| 270.0 | 256.7 | 244.0 | 233.1 | 225.3 | 216.0 | 205.8 | 195.1 | 181.9 | 174.1 | 162.6 |
| 315.0 | 252.4 | 238.8 | 228.4 | 221.8 | 208.8 | 198.4 | 190.3 | 177.0 | 169.2 | 157.7 |
| 360.0 | 252.4 | 238.8 | 228.4 | 221.8 | 208.8 | 198.4 | 190.3 | 177.0 | 169.2 | 157.7 |

| C\G | 70.0 | 71.0 | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 0.0 | 147.4 | 139.6 | 129.1 | 118.8 | 110.6 | 100.5 | 88.6 | 81.6 | 69.9 | 61.7 |
| 45.0 | 153.2 | 140.8 | 130.3 | 120.4 | 112.9 | 103.0 | 94.8 | 82.8 | 76.5 | 67.6 |
| 90.0 | 153.2 | 140.8 | 130.3 | 120.4 | 112.9 | 103.0 | 94.8 | 82.8 | 76.5 | 67.6 |
| 135.0 | 161.3 | 153.6 | 140.2 | 133.0 | 122.3 | 110.8 | 102.8 | 94.6 | 85.5 | 73.0 |
| 180.0 | 161.3 | 153.6 | 140.2 | 133.0 | 122.3 | 110.8 | 102.8 | 94.6 | 85.5 | 73.0 |
| 225.0 | 152.1 | 143.9 | 134.0 | 121.1 | 111.0 | 102.6 | 92.7 | 83.0 | 74.0 | 67.4 |
| 270.0 | 152.1 | 143.9 | 134.0 | 121.1 | 111.0 | 102.6 | 92.7 | 83.0 | 74.0 | 67.4 |
| 315.0 | 147.4 | 139.6 | 129.1 | 118.8 | 110.6 | 100.5 | 88.6 | 81.6 | 69.9 | 61.7 |
| 360.0 | 147.4 | 139.6 | 129.1 | 118.8 | 110.6 | 100.5 | 88.6 | 81.6 | 69.9 | 61.7 |

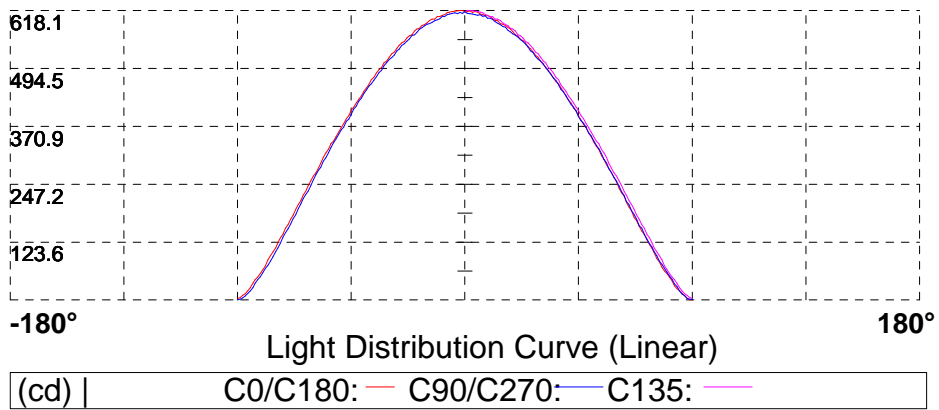
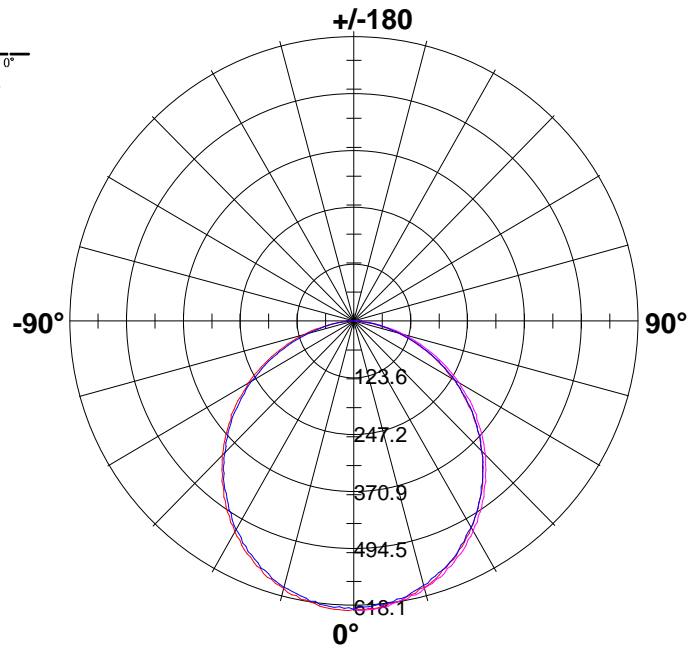
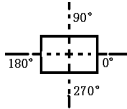
Photometric Data Table [cd]

| C\G | 80.0 | 81.0 | 82.0 | 83.0 | 84.0 | 85.0 | 86.0 | 87.0 | 88.0 | 89.0 |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0.0 | 56.7 | 48.3 | 40.7 | 30.4 | 24.0 | 19.3 | 13.8 | 9.3 | 3.5 | 0.6 |
| 45.0 | 59.2 | 51.0 | 44.0 | 34.1 | 29.4 | 19.5 | 12.5 | 9.5 | 3.3 | 1.4 |
| 90.0 | 59.2 | 51.0 | 44.0 | 34.1 | 29.4 | 19.5 | 12.5 | 9.5 | 3.3 | 1.4 |
| 135.0 | 64.8 | 56.5 | 49.1 | 43.4 | 36.0 | 26.5 | 19.3 | 13.5 | 10.1 | 5.0 |
| 180.0 | 64.8 | 56.5 | 49.1 | 43.4 | 36.0 | 26.5 | 19.3 | 13.5 | 10.1 | 5.0 |
| 225.0 | 58.6 | 49.3 | 43.6 | 35.8 | 26.1 | 19.5 | 13.8 | 8.4 | 4.5 | 1.4 |
| 270.0 | 58.6 | 49.3 | 43.6 | 35.8 | 26.1 | 19.5 | 13.8 | 8.4 | 4.5 | 1.4 |
| 315.0 | 56.7 | 48.3 | 40.7 | 30.4 | 24.0 | 19.3 | 13.8 | 9.3 | 3.5 | 0.6 |
| 360.0 | 56.7 | 48.3 | 40.7 | 30.4 | 24.0 | 19.3 | 13.8 | 9.3 | 3.5 | 0.6 |

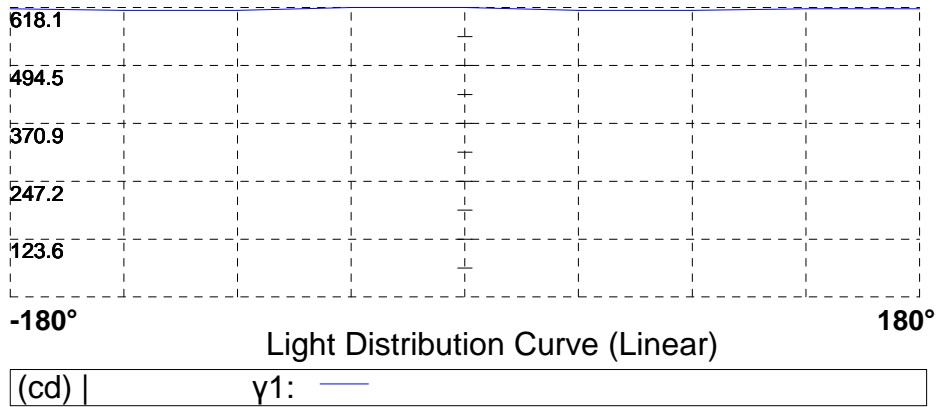
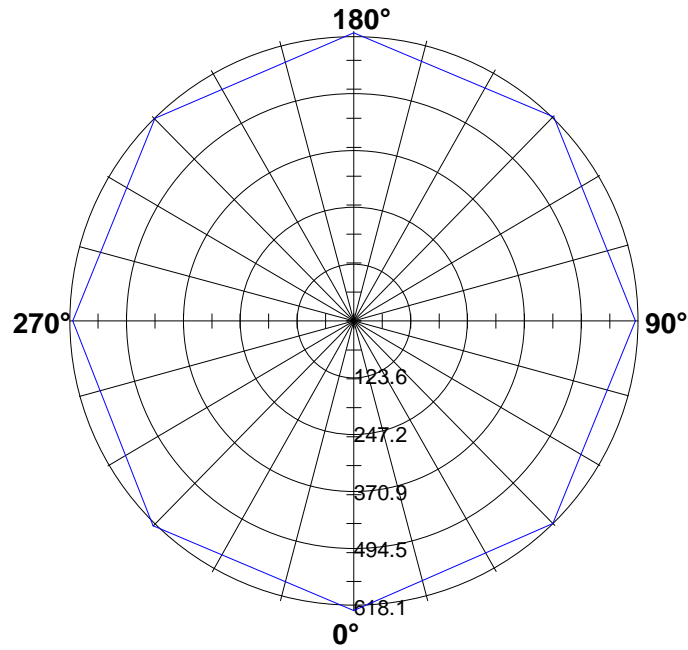
| C\G | 90.0 |
|-------|------|
| 0.0 | 0.6 |
| 45.0 | 0.8 |
| 90.0 | 0.8 |
| 135.0 | 2.9 |
| 180.0 | 2.9 |
| 225.0 | 0.0 |
| 270.0 | 0.0 |
| 315.0 | 0.6 |
| 360.0 | 0.6 |

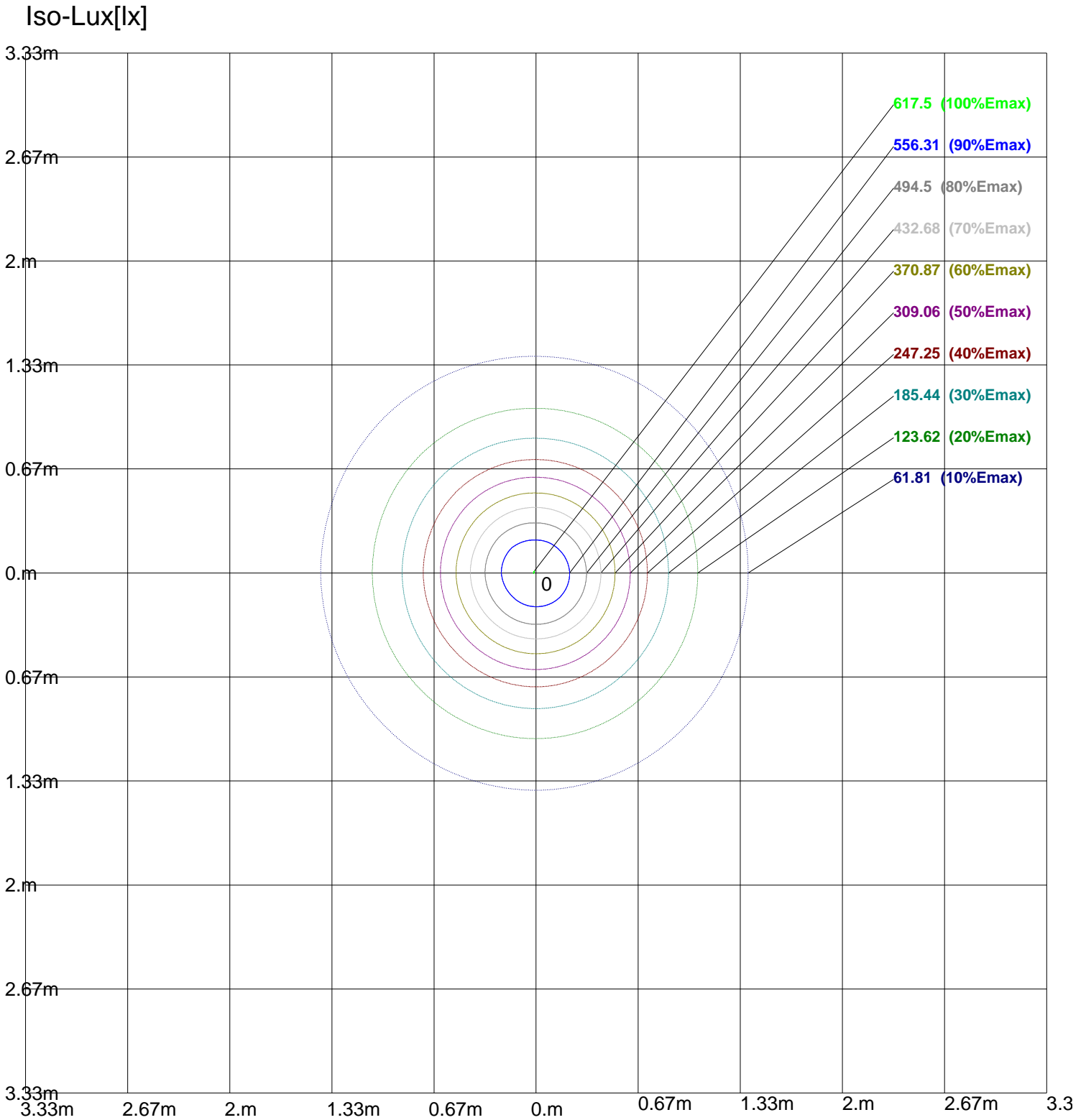
Light Distribution Curve [Unit: cd]

Luminaire



Max Plane Light Distribution Curve [Unit: cd]





Height: 1 m
Max Illuminance : 618.12lx

Luminance Limiting Curve

Diameter: mm

Length: 240mm

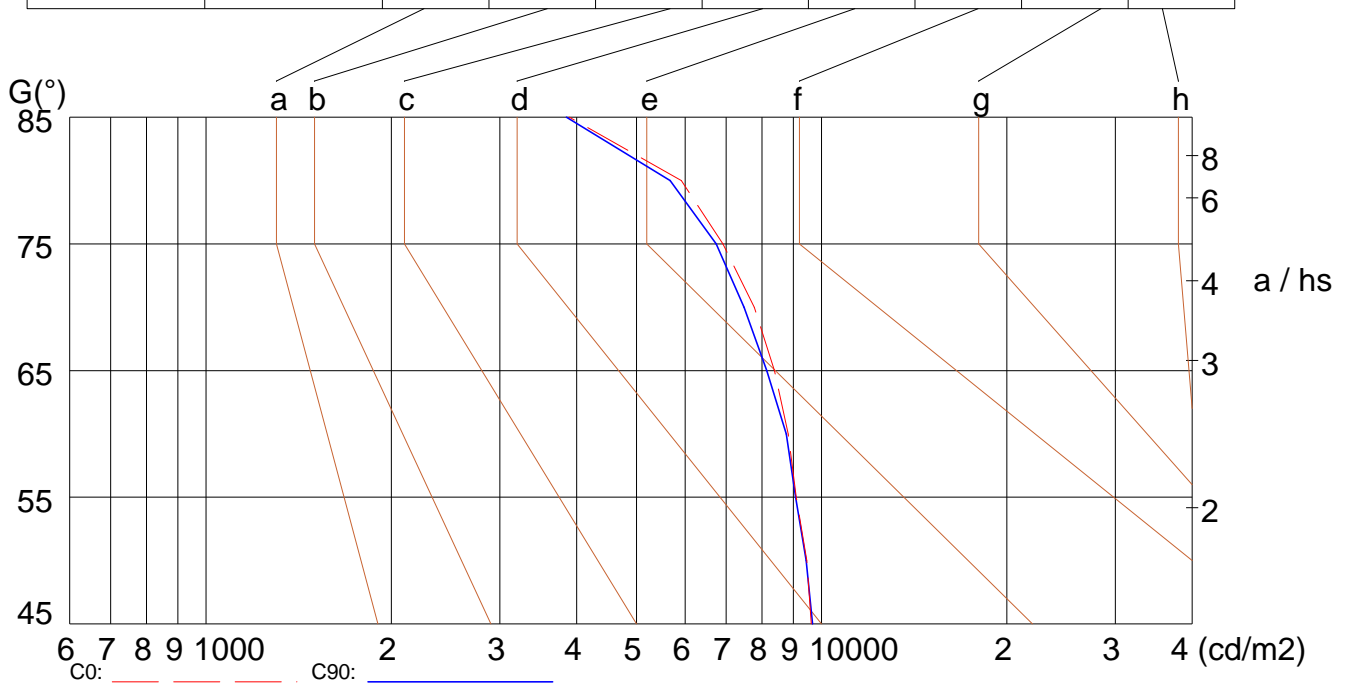
Width: 240mm

Height: 20mm

(cd/m²)

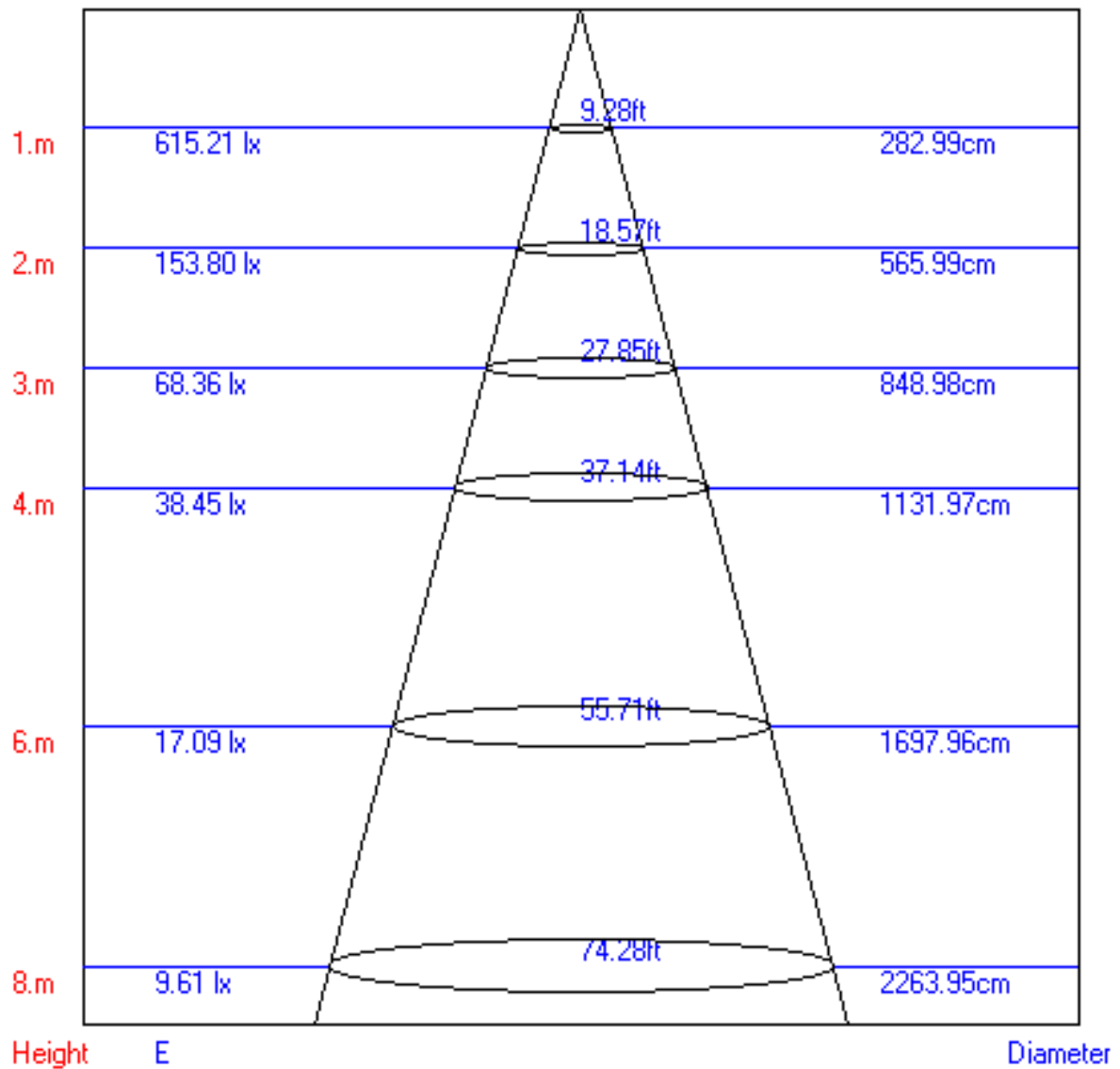
| γ | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° |
|----------|------|------|------|------|------|------|------|------|------|
| C0 | 9625 | 9456 | 9091 | 8822 | 8386 | 7775 | 6910 | 5919 | 3890 |
| C90 | 9660 | 9433 | 9072 | 8765 | 8148 | 7481 | 6742 | 5673 | 3849 |

| Glare | Quality | Service Values Illuminance (lx) | | | | | | | |
|-------|---------|---------------------------------|------|------|------|------|------|------|------|
| 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 |



Lum. Limiting Curve (C0/C90)

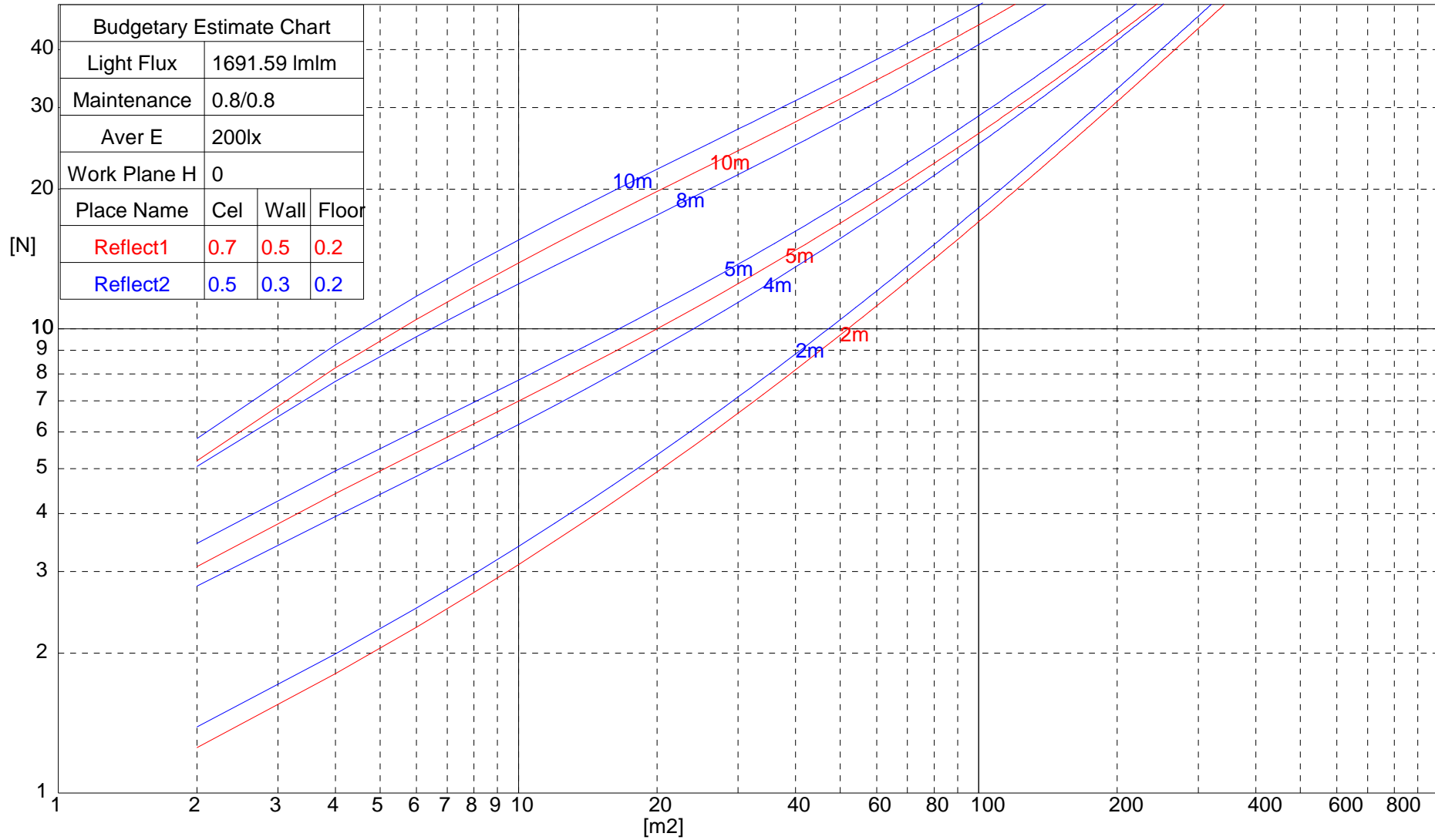
Lux-Distance Curve



Beam Angle:109.50°

Utilization Coefficient Table

| RHOCC | 80 | | | 70 | | | 50 | | | 30 | | | 10 | | | 0 |
|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RHOW | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | COEFFICIENTS OF UTILIZATION FOR RHOFC=20 | | | | | | | | | | | | | | | |
| 0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.05 | 1.03 | 1.02 | 1.03 | 1.01 | 1.00 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.91 | 0.89 | 0.86 | 0.84 | 0.79 |
| 2 | 0.89 | 0.86 | 0.85 | 0.88 | 0.85 | 0.83 | 0.86 | 0.83 | 0.80 | 0.83 | 0.79 | 0.76 | 0.78 | 0.74 | 0.71 | 0.66 |
| 3 | 0.76 | 0.73 | 0.71 | 0.76 | 0.73 | 0.70 | 0.75 | 0.71 | 0.67 | 0.73 | 0.68 | 0.64 | 0.70 | 0.64 | 0.60 | 0.56 |
| 4 | 0.66 | 0.63 | 0.61 | 0.66 | 0.62 | 0.60 | 0.66 | 0.61 | 0.57 | 0.65 | 0.59 | 0.55 | 0.62 | 0.56 | 0.52 | 0.47 |
| 5 | 0.58 | 0.55 | 0.53 | 0.58 | 0.54 | 0.52 | 0.58 | 0.53 | 0.50 | 0.58 | 0.52 | 0.47 | 0.56 | 0.50 | 0.45 | 0.41 |
| 6 | 0.51 | 0.48 | 0.46 | 0.52 | 0.48 | 0.45 | 0.52 | 0.47 | 0.44 | 0.52 | 0.46 | 0.42 | 0.51 | 0.45 | 0.40 | 0.36 |
| 7 | 0.45 | 0.43 | 0.41 | 0.46 | 0.42 | 0.40 | 0.47 | 0.42 | 0.39 | 0.47 | 0.41 | 0.37 | 0.47 | 0.40 | 0.35 | 0.32 |
| 8 | 0.41 | 0.38 | 0.37 | 0.42 | 0.38 | 0.36 | 0.43 | 0.38 | 0.34 | 0.43 | 0.37 | 0.33 | 0.43 | 0.37 | 0.31 | 0.28 |
| 9 | 0.37 | 0.34 | 0.33 | 0.38 | 0.34 | 0.32 | 0.39 | 0.34 | 0.31 | 0.40 | 0.34 | 0.30 | 0.40 | 0.33 | 0.28 | 0.26 |
| 10 | 0.33 | 0.31 | 0.30 | 0.34 | 0.31 | 0.29 | 0.36 | 0.31 | 0.28 | 0.37 | 0.31 | 0.27 | 0.37 | 0.31 | 0.26 | 0.23 |



UGR Glare Index

| Ceiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 | |
|-----------------------|---|------|------|------|------|--|------|------|------|------|------|
| Wall | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 | |
| Floor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Room Size X Y | Weft to light axis direction of observation | | | | | Direction of light axis parallel observation | | | | | |
| 2H | 2H | 14.7 | 16.0 | 14.9 | 15.9 | 16.5 | 14.7 | 15.9 | 14.8 | 16.0 | 16.5 |
| | 3H | 16.3 | 17.4 | 16.7 | 17.9 | 17.9 | 16.2 | 17.4 | 16.4 | 17.8 | 18.0 |
| | 4H | 16.9 | 18.1 | 17.4 | 18.7 | 18.8 | 16.9 | 18.1 | 17.3 | 18.5 | 18.8 |
| | 6H | 17.6 | 18.5 | 18.0 | 18.9 | 18.9 | 17.4 | 18.3 | 17.8 | 18.9 | 19.0 |
| | 8H | 17.8 | 18.9 | 18.1 | 19.0 | 19.3 | 17.7 | 18.7 | 17.9 | 19.0 | 19.3 |
| 4H | 12H | 17.9 | 18.8 | 18.1 | 19.2 | 19.5 | 17.7 | 18.7 | 18.1 | 19.2 | 19.6 |
| | 2H | 15.7 | 16.6 | 15.9 | 16.8 | 17.0 | 15.6 | 16.6 | 15.8 | 16.9 | 17.0 |
| | 3H | 17.5 | 18.4 | 17.7 | 18.4 | 18.8 | 17.3 | 18.2 | 17.6 | 18.3 | 18.7 |
| | 4H | 18.3 | 18.9 | 18.5 | 19.1 | 19.5 | 18.0 | 18.9 | 18.4 | 19.1 | 19.6 |
| | 6H | 18.8 | 19.5 | 19.1 | 19.8 | 20.2 | 18.7 | 19.5 | 18.9 | 19.7 | 20.0 |
| 8H | 8H | 19.0 | 19.7 | 19.4 | 20.0 | 20.3 | 19.0 | 19.5 | 19.3 | 20.0 | 20.3 |
| | 12H | 19.2 | 19.8 | 19.7 | 20.0 | 20.5 | 19.1 | 19.8 | 19.5 | 20.1 | 20.5 |
| | 4H | 18.5 | 19.2 | 18.8 | 19.4 | 19.8 | 18.5 | 19.1 | 18.7 | 19.4 | 19.8 |
| | 6H | 19.3 | 19.8 | 19.8 | 20.2 | 20.6 | 19.2 | 19.7 | 19.6 | 20.2 | 20.5 |
| | 8H | 19.8 | 20.2 | 20.2 | 20.5 | 20.9 | 19.6 | 20.0 | 20.1 | 20.4 | 21.0 |
| 12H | 12H | 20.0 | 20.4 | 20.4 | 20.9 | 21.1 | 19.8 | 20.3 | 20.3 | 20.8 | 21.2 |
| | 4H | 18.6 | 19.2 | 19.1 | 19.6 | 19.8 | 18.5 | 19.0 | 18.9 | 19.4 | 19.8 |
| | 6H | 19.5 | 20.0 | 19.9 | 20.2 | 20.7 | 19.4 | 19.9 | 19.8 | 20.2 | 20.6 |
| | 8H | 19.9 | 20.3 | 20.4 | 20.5 | 21.1 | 19.8 | 20.2 | 20.3 | 20.6 | 21.0 |
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