

Report No.:

Test Time: 2019-6-6 17:24

Luminaire Property

Luminaire Manufacturer:
 Voltage: 119.9 V
 Power: 23.29 W

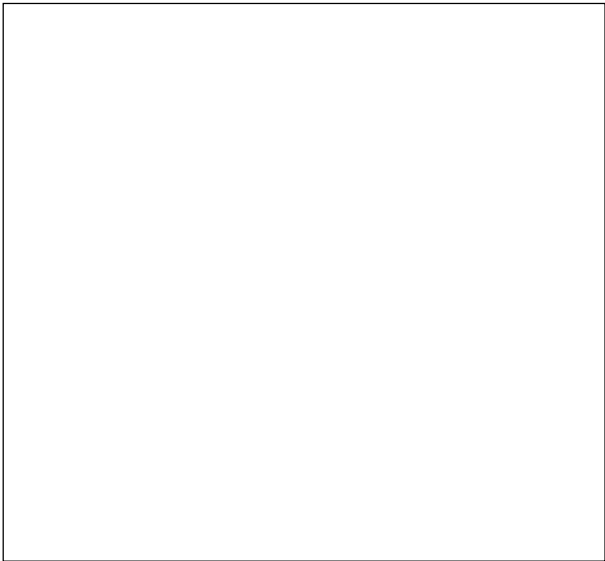
Current: 0.1958 A
 Power Factor: 0.991

Photometric Results

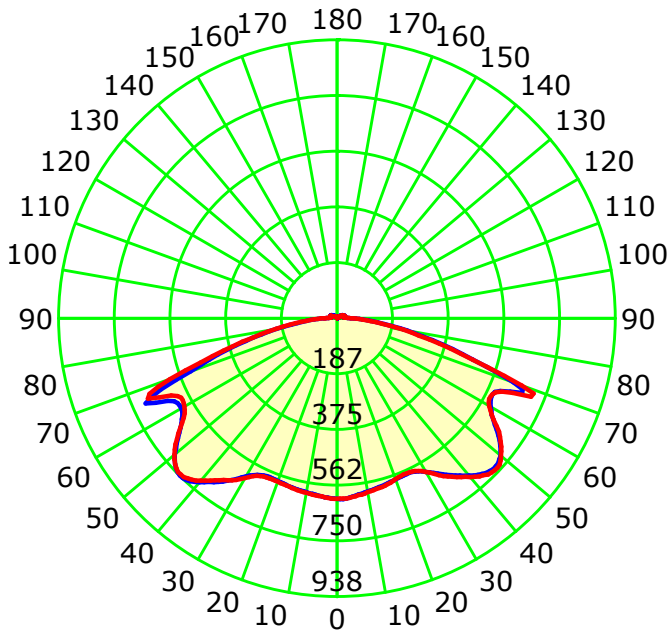
IES Classification: Type IV
 Total Rated Lamp Lumens: 3321.8 lm
 Efficiency: 100%
 Upward Ratio: 3%
 Central Intensity: 608.65 cd
 Pos of Max. Intensity: H202.5 V44

Longitudinal Classification: Very Short
 Measurement Flux: 3321.8 lm
 Downward Ratio: 97%
 Luminaire Efficacy Rating (LER): 142.63
 Max. Intensity: 750.42 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve

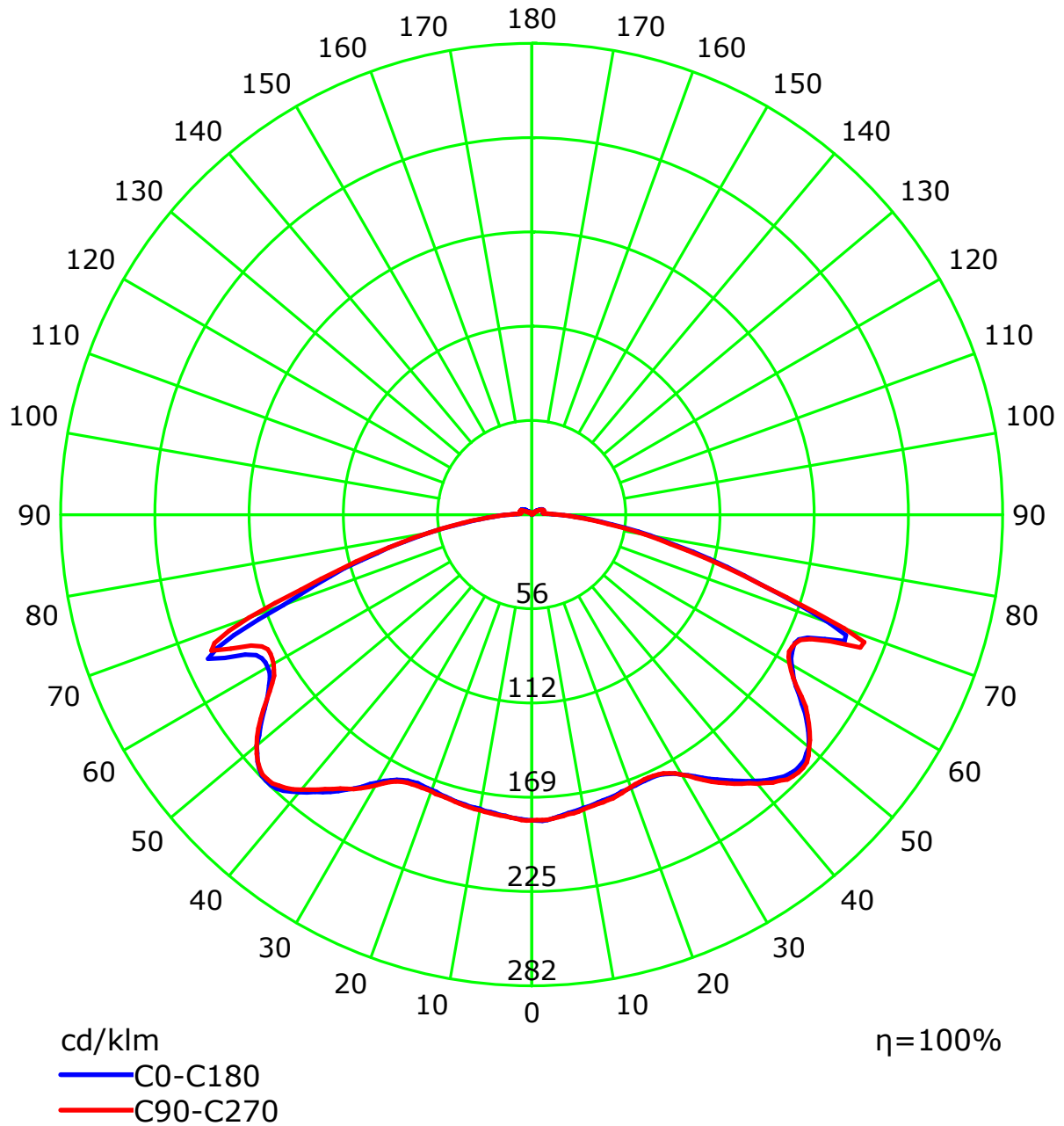


Unit: cd
 Average Diffuse Angle(50%): 150.2°
 — C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

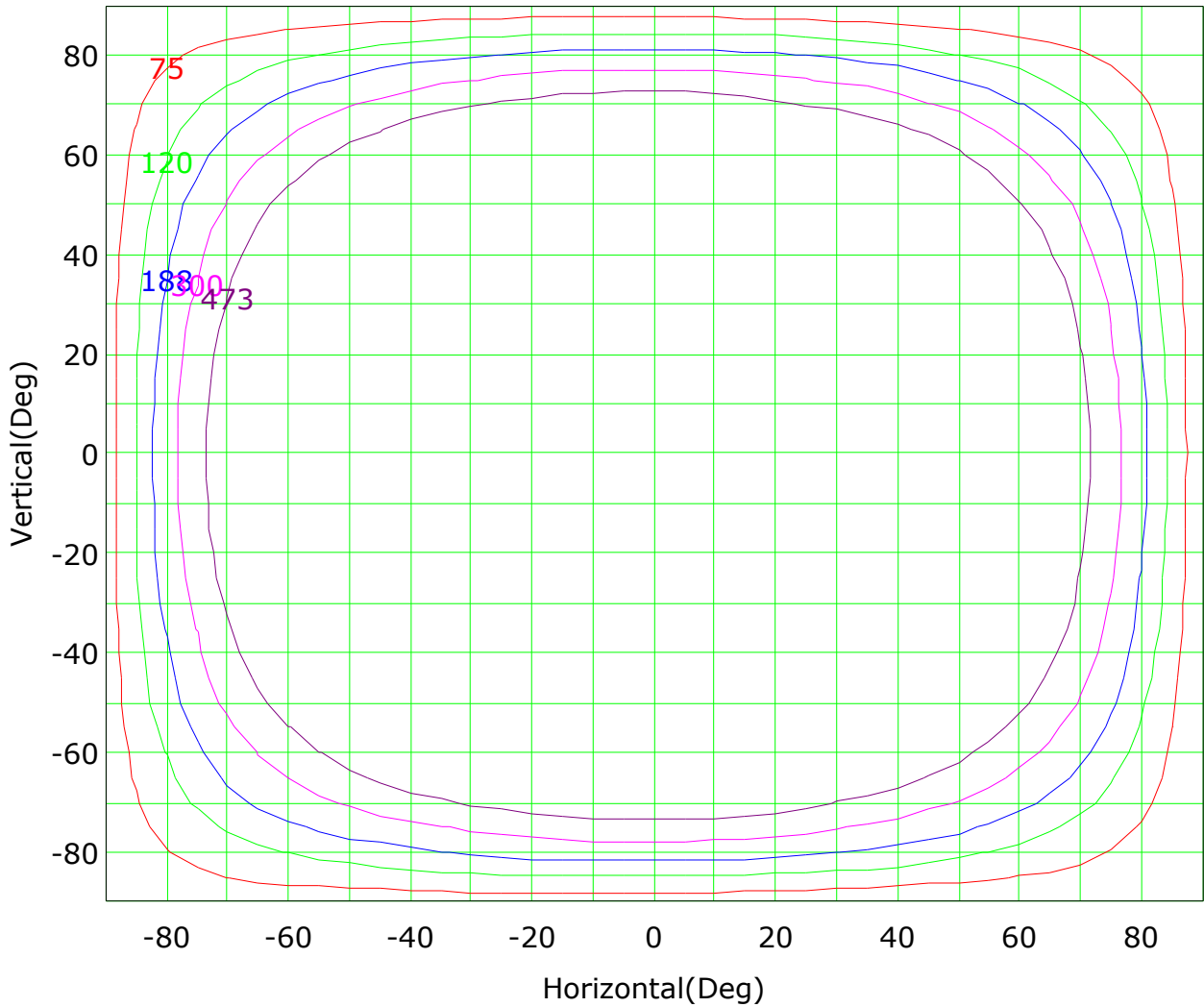
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (rectangle)



Imax (100%): 750 cd

| | | | |
|-----------|--------|-----------|--------|
| — (10%): | 75 cd | — (16%): | 120 cd |
| — (25%): | 188 cd | — (40%): | 300 cd |
| — (63%): | 473 cd | — (100%): | 750 cd |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.0 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

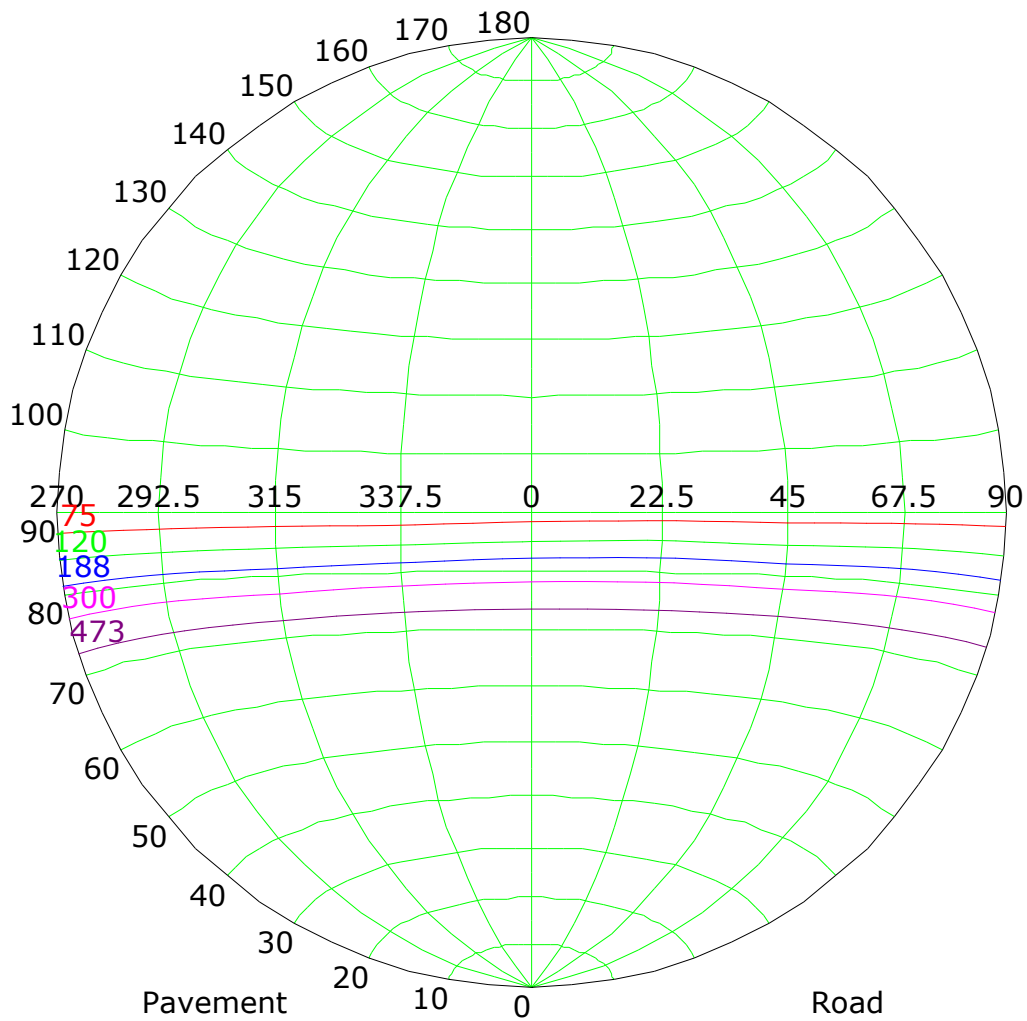
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 750 cd

| | | | |
|-----------|--------|-----------|--------|
| — (10%): | 75 cd | — (16%): | 120 cd |
| — (25%): | 188 cd | — (40%): | 300 cd |
| — (63%): | 473 cd | — (100%): | 750 cd |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.0 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

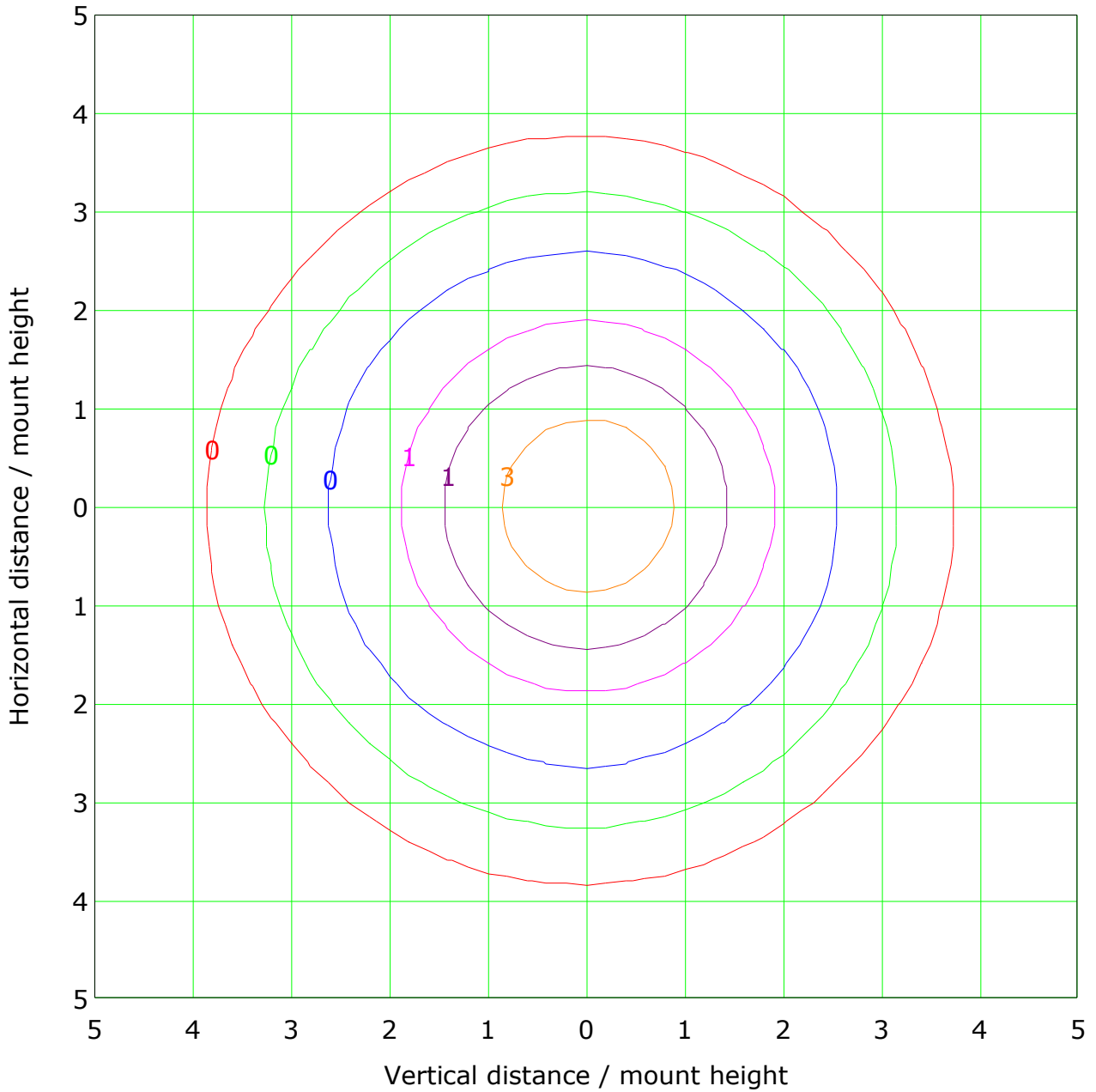
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 6.1 lx

| | |
|----------------|----------------|
| (1%): 0.1 lx | (2%): 0.1 lx |
| (5%): 0.3 lx | (10%): 0.6 lx |
| (20%): 1.2 lx | (50%): 3.0 lx |
| (100%): 6.1 lx | |

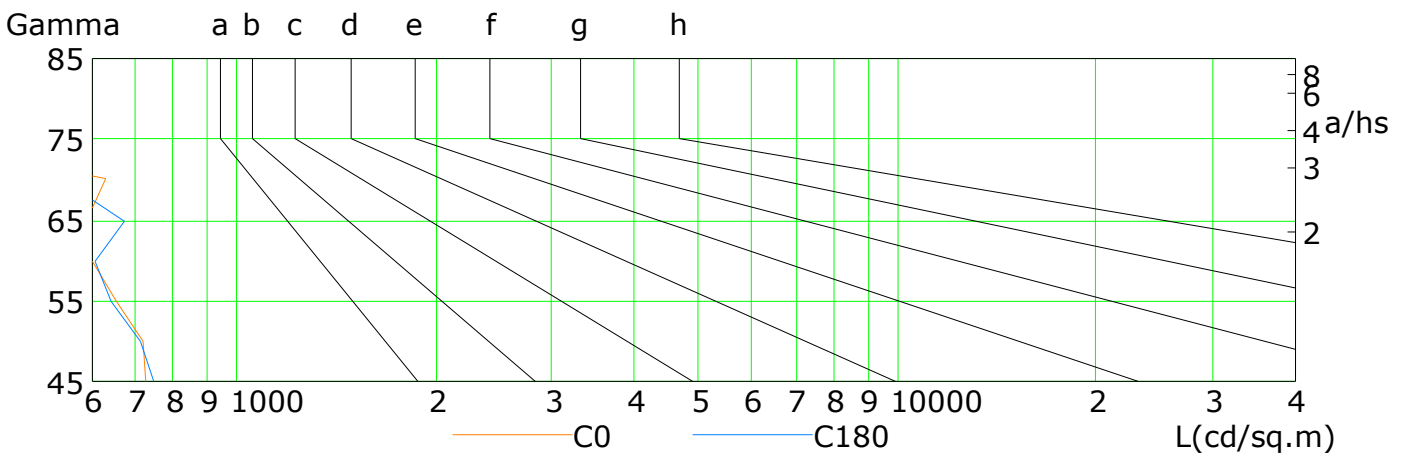
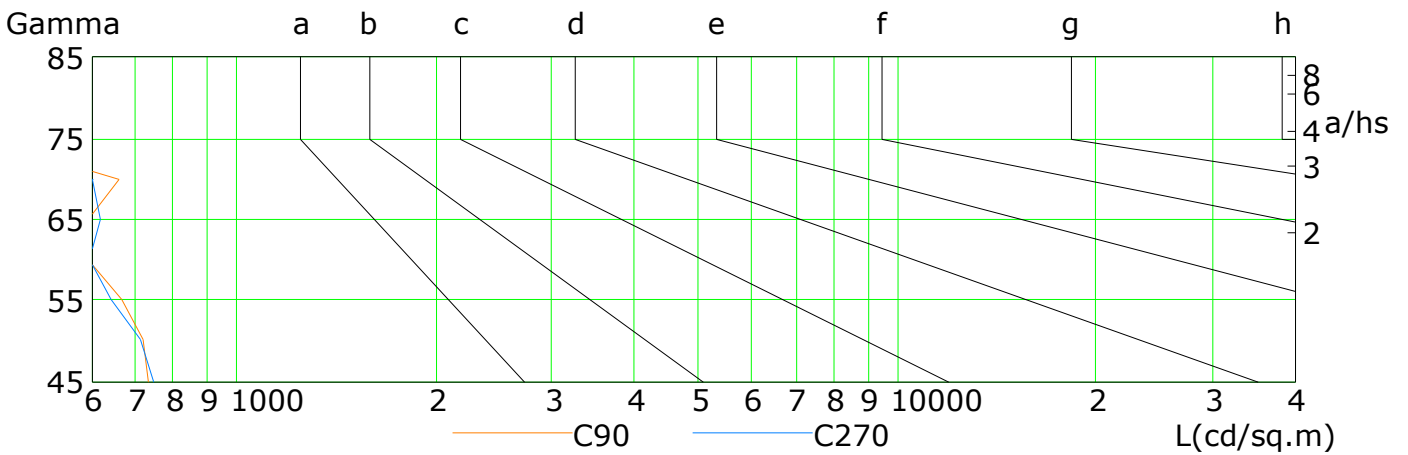
C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) | | | | | | | |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
| | | 2000 | 1000 | 500 | <=300 | | | | |
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.50 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.20 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | | | | | 2000 | 1000 | 500 | <=300 |

a b c d e f g h



| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| C0 | 728 | 720 | 657 | 598 | 587 | 632 | 403 | 241 | 121 |
| C90 | 736 | 721 | 666 | 592 | 591 | 662 | 394 | 229 | 114 |
| C180 | 749 | 715 | 644 | 607 | 675 | 526 | 352 | 208 | 103 |
| C270 | 745 | 715 | 645 | 594 | 617 | 600 | 363 | 210 | 104 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.0 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

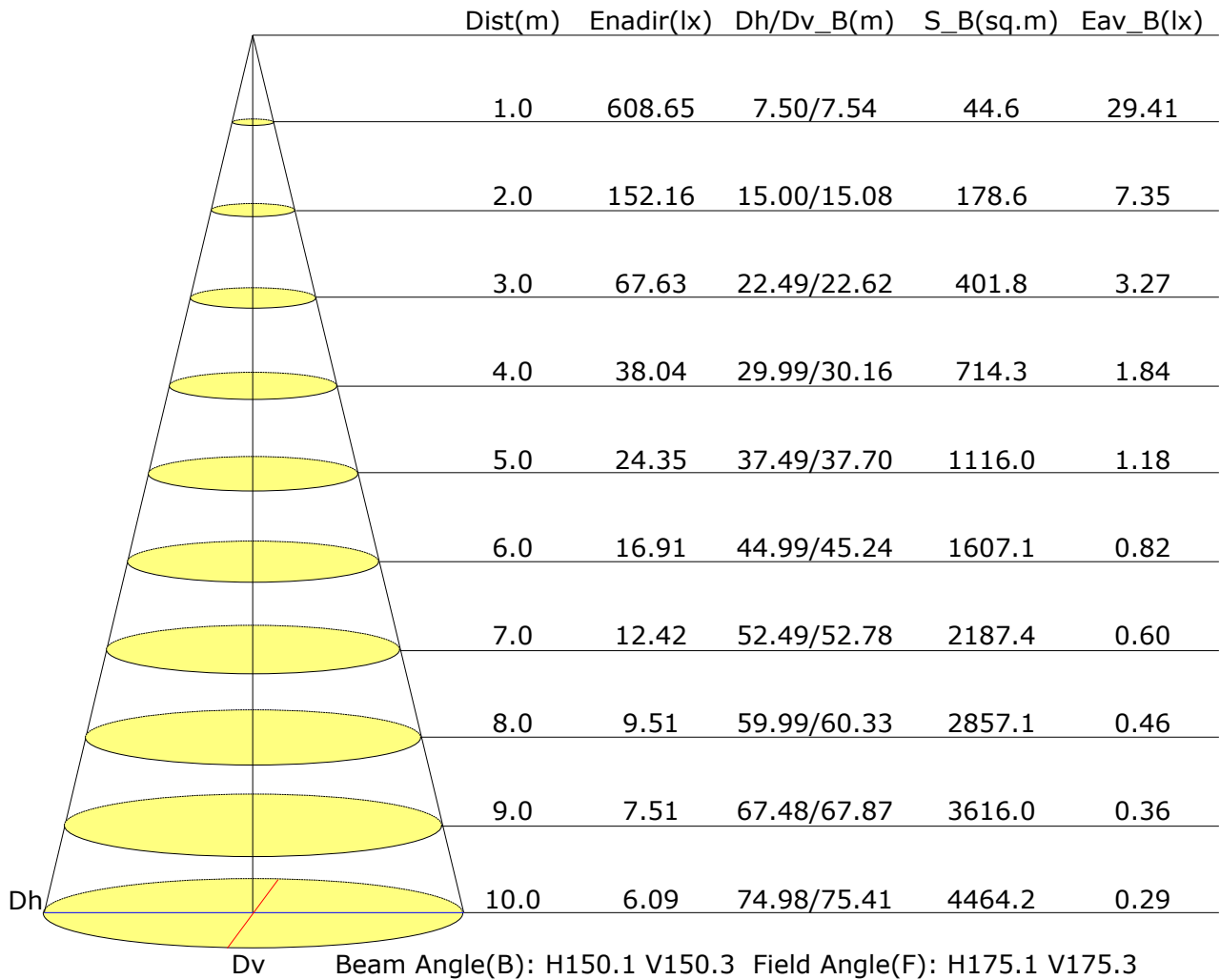
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

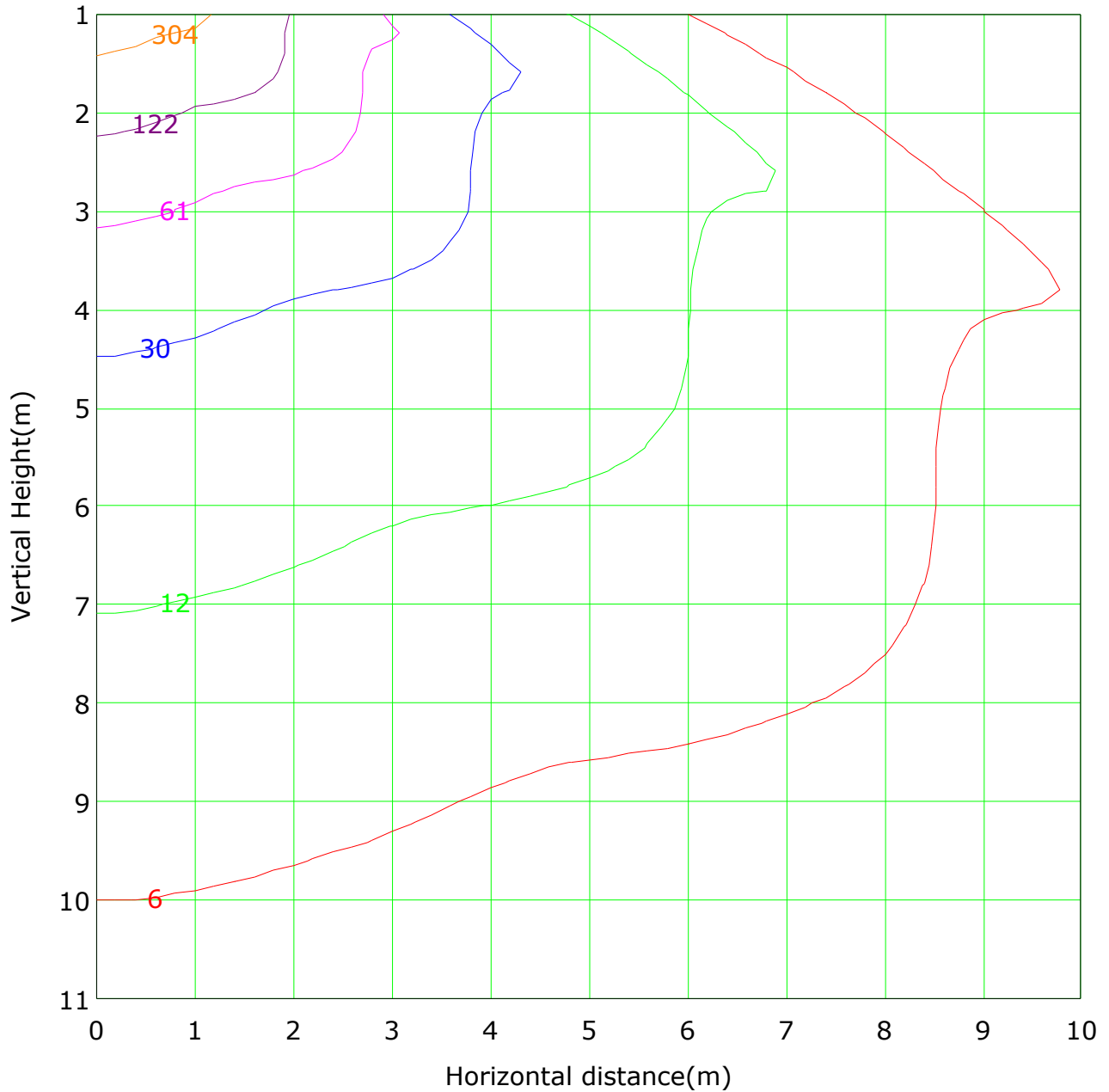
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot

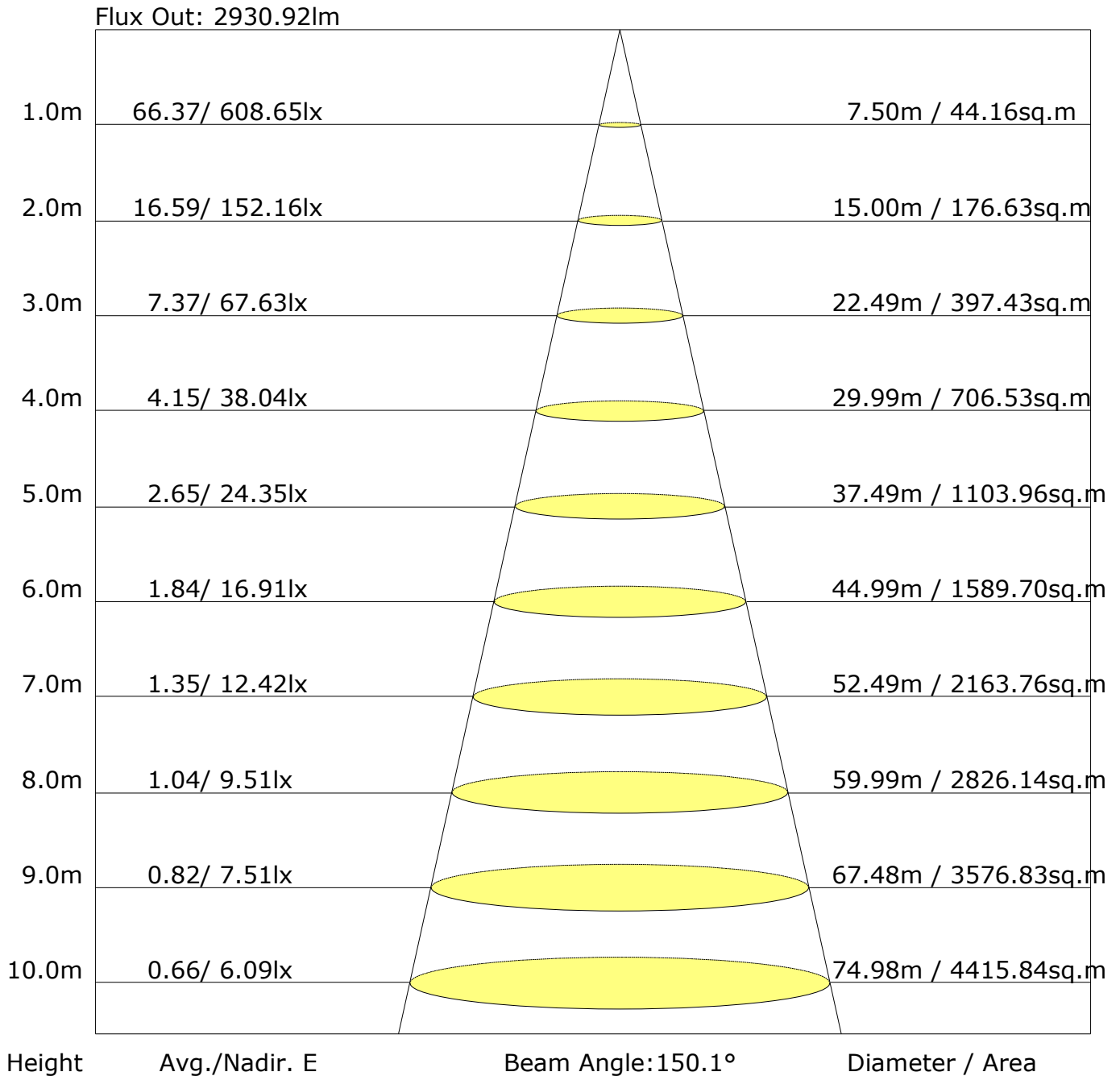


| | | |
|--------------------|--------------------|-------------------|
| Lowest(m): 1.0m | Highest(m): 11.0m | Max Lux: 608.7 lx |
| — (1%): 6.1 lx | — (2%): 12.2 lx | |
| — (5%): 30.4 lx | — (10%): 60.9 lx | |
| — (20%): 121.7 lx | — (50%): 304.3 lx | |
| — (100%): 608.7 lx | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

UGR Table

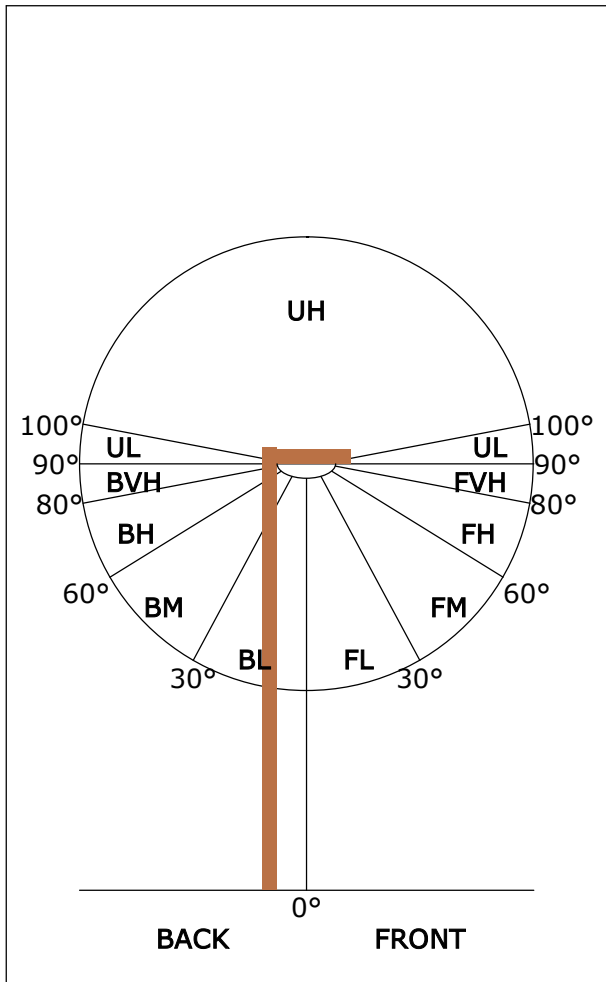
| | | | | | | | | | | |
|--|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Reflectance: | | | | | | | | | | |
| Ceiling (cavity) | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H Y=2H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=4H Y=2H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 3H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=8H Y=4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 12H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| X=12H Y=4H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 6H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| 8H | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ | -1.\$ |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S=1.0H | -1.\$/-1.\$ | | | | | -1.\$/-1.\$ | | | | |
| S=1.5H | -1.\$/-1.\$ | | | | | -1.\$/-1.\$ | | | | |
| S=2.0H | -1.\$/-1.\$ | | | | | -1.\$/-1.\$ | | | | |

Calculate in accordance with CIE Pub.117. The table is revised with 3322Im ($8\log(F/F_0) = 4.2$).

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



| ZONE | LUMENS | % LAMP LUMENS |
|----------------|--------|---------------|
| FORWARD LIGHT | 1612 | 48.5 |
| FL (0°-30°) | 246 | 7.4 |
| FM (30°-60°) | 780 | 23.5 |
| FH (60°-80°) | 518 | 15.6 |
| FVH (80°-90°) | 67 | 2.0 |
| BACK LIGHT | 1601 | 48.2 |
| BL (0°-30°) | 248 | 7.5 |
| BM (30°-60°) | 783 | 23.6 |
| BH (60°-80°) | 508 | 15.3 |
| BVH (80°-90°) | 62 | 1.9 |
| UP LIGHT | 109 | 3.3 |
| UL (90°-100°) | 34 | 1.0 |
| UH (100°-180°) | 76 | 2.3 |
| TRAPPED LIGHT | NA | NA |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-11 | |
|--|----------|
| Asymmetrical Luminaire Types (Type I,II,III,IV) | B2 U3 G2 |
| Quadrilateral Symmetrical Luminaire Types (Type V,Area Light) | B2 U3 G1 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G0.0 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 |
| G1.0 | 609.4 | 608.7 | 607.8 | 609.1 | 608.1 | 607.6 | 608.2 | 608.1 | 607.9 | 608.1 |
| G2.0 | 609.8 | 607.0 | 608.0 | 608.6 | 608.4 | 607.5 | 606.3 | 606.8 | 606.5 | 606.7 |
| G3.0 | 608.5 | 606.3 | 606.9 | 607.2 | 608.0 | 605.5 | 606.4 | 605.8 | 605.1 | 606.0 |
| G4.0 | 606.1 | 604.1 | 603.8 | 605.3 | 606.7 | 603.2 | 604.2 | 603.8 | 604.3 | 601.7 |
| G5.0 | 603.2 | 601.8 | 601.0 | 603.5 | 604.5 | 601.3 | 601.9 | 601.8 | 601.8 | 600.3 |
| G6.0 | 601.2 | 599.0 | 598.3 | 599.8 | 603.1 | 600.3 | 599.3 | 600.0 | 600.9 | 598.8 |
| G7.0 | 598.4 | 597.3 | 596.8 | 597.8 | 600.4 | 597.6 | 598.0 | 599.5 | 599.1 | 598.4 |
| G8.0 | 597.0 | 594.9 | 595.4 | 596.7 | 600.1 | 597.5 | 596.7 | 597.7 | 597.6 | 597.7 |
| G9.0 | 594.9 | 593.8 | 593.8 | 595.6 | 598.2 | 597.4 | 595.0 | 596.7 | 597.5 | 596.4 |
| G10.0 | 592.9 | 592.1 | 593.0 | 593.8 | 595.4 | 595.5 | 593.4 | 594.7 | 594.7 | 595.1 |
| G11.0 | 591.6 | 590.1 | 591.9 | 591.8 | 593.7 | 594.0 | 591.8 | 593.7 | 594.1 | 593.7 |
| G12.0 | 590.0 | 589.1 | 589.5 | 591.1 | 592.3 | 592.6 | 591.4 | 593.1 | 594.0 | 593.3 |
| G13.0 | 587.9 | 587.7 | 587.7 | 588.5 | 590.3 | 591.3 | 590.4 | 590.8 | 592.2 | 592.3 |
| G14.0 | 586.3 | 585.8 | 586.9 | 587.6 | 589.9 | 588.6 | 590.2 | 590.2 | 591.5 | 591.3 |
| G15.0 | 585.5 | 584.1 | 583.9 | 586.2 | 588.3 | 587.0 | 588.4 | 588.4 | 590.3 | 590.0 |
| G16.0 | 583.9 | 582.9 | 583.3 | 584.2 | 587.5 | 585.6 | 587.2 | 587.1 | 588.9 | 588.3 |
| G17.0 | 582.5 | 581.0 | 580.7 | 582.4 | 584.7 | 584.0 | 585.1 | 585.6 | 587.2 | 586.3 |
| G18.0 | 579.5 | 578.8 | 578.8 | 580.0 | 582.7 | 581.5 | 584.1 | 584.1 | 586.0 | 585.1 |
| G19.0 | 579.4 | 577.5 | 577.1 | 578.4 | 579.6 | 579.8 | 581.1 | 581.9 | 583.9 | 583.4 |
| G20.0 | 578.1 | 575.1 | 575.1 | 576.2 | 577.1 | 576.8 | 580.4 | 582.3 | 583.3 | 580.4 |
| G21.0 | 577.3 | 573.6 | 574.2 | 574.9 | 574.9 | 576.2 | 579.7 | 582.1 | 582.9 | 579.1 |
| G22.0 | 575.8 | 572.4 | 573.3 | 573.2 | 573.9 | 575.0 | 578.5 | 582.2 | 581.7 | 579.3 |
| G23.0 | 575.6 | 571.5 | 571.2 | 572.2 | 572.6 | 573.7 | 577.4 | 581.7 | 581.0 | 579.4 |
| G24.0 | 575.6 | 570.4 | 571.3 | 571.3 | 572.7 | 573.7 | 578.7 | 582.1 | 582.5 | 580.6 |
| G25.0 | 575.3 | 571.8 | 571.7 | 572.4 | 573.5 | 575.3 | 580.5 | 583.4 | 584.3 | 582.9 |
| G26.0 | 576.9 | 574.6 | 574.9 | 574.7 | 575.6 | 579.1 | 582.9 | 585.1 | 587.9 | 587.7 |
| G27.0 | 579.7 | 577.6 | 578.1 | 578.0 | 578.1 | 582.7 | 585.8 | 589.6 | 592.7 | 593.3 |
| G28.0 | 584.5 | 581.5 | 581.6 | 581.8 | 583.4 | 586.8 | 592.3 | 594.1 | 599.1 | 600.4 |
| G29.0 | 589.5 | 586.9 | 587.9 | 589.9 | 589.0 | 593.2 | 599.3 | 600.4 | 606.3 | 608.8 |
| G30.0 | 597.9 | 594.3 | 595.3 | 597.6 | 597.8 | 600.5 | 606.4 | 607.9 | 615.9 | 619.0 |
| G31.0 | 605.3 | 602.7 | 603.6 | 606.6 | 606.6 | 609.7 | 615.9 | 618.2 | 625.5 | 629.9 |
| G32.0 | 614.6 | 611.9 | 613.9 | 617.3 | 618.9 | 621.4 | 626.6 | 628.5 | 639.1 | 640.8 |
| G33.0 | 624.5 | 623.0 | 625.9 | 628.1 | 630.3 | 630.1 | 635.6 | 637.7 | 650.3 | 651.7 |
| G34.0 | 634.6 | 633.8 | 637.5 | 638.9 | 641.6 | 640.2 | 645.4 | 647.0 | 660.4 | 662.0 |
| G35.0 | 643.8 | 643.6 | 646.5 | 649.1 | 651.0 | 649.9 | 654.6 | 656.5 | 671.5 | 672.1 |
| G36.0 | 653.4 | 653.2 | 655.7 | 657.9 | 660.8 | 659.5 | 664.7 | 666.1 | 682.0 | 682.7 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G37.0 | 663.3 | 664.1 | 665.2 | 666.8 | 670.5 | 670.7 | 674.6 | 675.6 | 691.5 | 692.9 |
| G38.0 | 673.0 | 672.1 | 673.6 | 675.8 | 679.6 | 681.0 | 685.7 | 686.5 | 700.5 | 702.8 |
| G39.0 | 682.7 | 680.9 | 682.3 | 685.3 | 687.5 | 690.4 | 696.0 | 697.5 | 711.7 | 713.5 |
| G40.0 | 691.6 | 690.2 | 691.5 | 693.9 | 699.4 | 699.8 | 706.4 | 709.6 | 720.9 | 724.3 |
| G41.0 | 701.8 | 700.0 | 702.2 | 703.1 | 707.5 | 709.7 | 717.6 | 719.2 | 730.6 | 733.7 |
| G42.0 | 709.6 | 709.4 | 710.2 | 712.2 | 717.7 | 719.1 | 725.4 | 726.5 | 739.7 | 742.3 |
| G43.0 | 717.4 | 717.7 | 718.6 | 718.5 | 723.8 | 725.2 | 733.5 | 732.7 | 745.8 | 747.4 |
| G44.0 | 724.2 | 723.7 | 724.5 | 725.0 | 732.8 | 729.6 | 738.1 | 739.5 | 748.8 | 750.4 |
| G45.0 | 728.2 | 729.6 | 731.4 | 729.7 | 735.8 | 732.6 | 740.2 | 742.7 | 748.8 | 749.1 |
| G46.0 | 731.6 | 731.4 | 733.9 | 731.1 | 738.8 | 733.6 | 740.6 | 743.0 | 747.5 | 747.8 |
| G47.0 | 731.4 | 733.1 | 735.9 | 733.8 | 738.9 | 732.0 | 736.8 | 739.5 | 742.3 | 741.7 |
| G48.0 | 730.4 | 731.3 | 734.8 | 731.0 | 737.2 | 727.9 | 730.1 | 734.0 | 734.9 | 734.5 |
| G49.0 | 724.7 | 726.2 | 730.4 | 725.3 | 730.7 | 721.3 | 722.2 | 724.8 | 724.7 | 726.3 |
| G50.0 | 720.5 | 719.9 | 724.3 | 719.3 | 721.5 | 713.7 | 711.9 | 714.7 | 715.0 | 715.5 |
| G51.0 | 710.2 | 712.4 | 716.9 | 710.8 | 713.1 | 704.1 | 700.5 | 704.0 | 698.3 | 703.6 |
| G52.0 | 698.8 | 702.0 | 706.5 | 701.0 | 702.8 | 694.2 | 686.7 | 692.2 | 686.1 | 690.8 |
| G53.0 | 685.9 | 691.5 | 695.7 | 689.7 | 691.1 | 683.3 | 677.5 | 679.8 | 671.9 | 674.7 |
| G54.0 | 672.9 | 679.5 | 682.3 | 678.7 | 678.9 | 671.7 | 664.7 | 666.3 | 657.7 | 660.7 |
| G55.0 | 657.0 | 663.8 | 668.1 | 663.2 | 666.2 | 656.0 | 649.0 | 652.8 | 644.3 | 645.1 |
| G56.0 | 642.4 | 647.0 | 651.8 | 649.2 | 648.0 | 639.0 | 632.8 | 636.9 | 633.1 | 632.4 |
| G57.0 | 627.4 | 631.2 | 634.9 | 633.6 | 629.1 | 625.8 | 621.4 | 624.5 | 623.9 | 622.4 |
| G58.0 | 615.0 | 617.0 | 619.3 | 619.8 | 614.5 | 611.3 | 611.1 | 614.7 | 615.0 | 613.5 |
| G59.0 | 606.6 | 605.8 | 608.2 | 607.2 | 602.8 | 602.3 | 601.3 | 606.8 | 609.2 | 607.0 |
| G60.0 | 598.1 | 596.0 | 597.2 | 598.7 | 592.3 | 594.8 | 596.4 | 602.4 | 607.4 | 602.3 |
| G61.0 | 591.0 | 587.8 | 590.1 | 593.3 | 585.0 | 588.5 | 592.7 | 600.0 | 606.8 | 600.6 |
| G62.0 | 586.7 | 585.4 | 583.8 | 587.9 | 580.9 | 584.4 | 591.3 | 601.7 | 609.1 | 602.3 |
| G63.0 | 584.2 | 584.0 | 581.1 | 587.2 | 581.8 | 584.9 | 592.6 | 604.8 | 616.2 | 611.1 |
| G64.0 | 583.1 | 585.8 | 583.0 | 588.0 | 583.9 | 587.1 | 599.4 | 614.9 | 635.1 | 627.7 |
| G65.0 | 587.3 | 590.3 | 587.0 | 597.2 | 590.6 | 593.6 | 613.3 | 633.1 | 675.3 | 673.3 |
| G66.0 | 601.9 | 603.7 | 601.3 | 620.7 | 608.6 | 615.3 | 648.9 | 672.0 | 706.0 | 719.7 |
| G67.0 | 634.3 | 637.2 | 628.6 | 662.6 | 644.1 | 654.7 | 684.6 | 704.4 | 681.6 | 710.5 |
| G68.0 | 672.2 | 684.8 | 690.6 | 699.2 | 705.8 | 687.9 | 681.0 | 682.1 | 640.1 | 678.6 |
| G69.0 | 670.4 | 684.7 | 705.3 | 672.6 | 709.2 | 664.4 | 652.1 | 638.1 | 582.5 | 611.8 |
| G70.0 | 632.3 | 643.9 | 664.9 | 629.0 | 662.2 | 619.5 | 591.6 | 578.5 | 526.3 | 550.8 |
| G71.0 | 579.4 | 593.8 | 601.6 | 569.9 | 597.3 | 568.5 | 544.5 | 522.1 | 486.7 | 494.5 |
| G72.0 | 528.8 | 537.2 | 535.4 | 522.1 | 534.4 | 511.5 | 492.3 | 473.3 | 452.7 | 450.5 |
| G73.0 | 478.7 | 483.3 | 475.8 | 481.5 | 479.4 | 462.3 | 447.9 | 429.3 | 419.7 | 414.1 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G74.0 | 440.1 | 440.2 | 430.5 | 440.0 | 434.7 | 417.5 | 401.6 | 395.9 | 388.0 | 374.4 |
| G75.0 | 403.4 | 403.1 | 390.7 | 402.8 | 394.3 | 385.0 | 365.0 | 360.7 | 351.8 | 334.5 |
| G76.0 | 365.0 | 368.1 | 363.0 | 361.0 | 355.2 | 353.1 | 330.9 | 328.7 | 317.8 | 304.8 |
| G77.0 | 330.1 | 334.7 | 320.8 | 320.3 | 319.1 | 314.0 | 301.3 | 300.9 | 293.0 | 279.9 |
| G78.0 | 294.3 | 296.4 | 281.5 | 285.3 | 281.9 | 278.2 | 273.5 | 270.3 | 259.4 | 247.5 |
| G79.0 | 264.5 | 269.3 | 254.2 | 257.2 | 257.1 | 254.3 | 243.3 | 243.1 | 231.6 | 219.3 |
| G80.0 | 240.5 | 246.5 | 231.7 | 234.8 | 228.8 | 226.5 | 216.9 | 212.9 | 207.9 | 195.6 |
| G81.0 | 215.1 | 218.4 | 205.0 | 208.6 | 202.7 | 200.8 | 193.2 | 188.8 | 182.1 | 168.2 |
| G82.0 | 187.1 | 191.3 | 177.4 | 181.1 | 176.2 | 175.2 | 165.8 | 163.3 | 155.8 | 146.9 |
| G83.0 | 161.6 | 167.3 | 154.0 | 158.4 | 152.5 | 150.0 | 144.2 | 140.6 | 135.1 | 127.7 |
| G84.0 | 139.1 | 143.1 | 133.9 | 137.5 | 132.7 | 129.4 | 123.5 | 120.0 | 117.5 | 111.1 |
| G85.0 | 120.8 | 124.9 | 115.8 | 119.7 | 114.2 | 110.5 | 106.9 | 105.8 | 103.3 | 97.7 |
| G86.0 | 104.1 | 106.8 | 100.2 | 101.9 | 99.9 | 95.6 | 91.6 | 92.3 | 89.3 | 84.5 |
| G87.0 | 88.4 | 91.4 | 86.1 | 87.7 | 86.2 | 81.2 | 79.1 | 79.5 | 75.7 | 72.9 |
| G88.0 | 75.5 | 78.4 | 75.3 | 75.5 | 75.0 | 69.4 | 67.4 | 68.4 | 64.0 | 62.5 |
| G89.0 | 64.4 | 67.5 | 65.4 | 64.7 | 64.8 | 60.8 | 56.8 | 57.7 | 53.8 | 54.0 |
| G90.0 | 54.1 | 56.8 | 55.4 | 54.9 | 55.0 | 51.3 | 47.7 | 49.4 | 46.2 | 46.3 |
| G91.0 | 45.5 | 47.8 | 47.5 | 46.5 | 47.7 | 44.4 | 42.1 | 43.2 | 40.7 | 41.6 |
| G92.0 | 40.5 | 42.3 | 41.3 | 41.2 | 41.6 | 39.5 | 37.6 | 38.8 | 35.5 | 37.3 |
| G93.0 | 35.4 | 36.9 | 37.1 | 36.9 | 36.5 | 35.1 | 33.6 | 34.2 | 30.9 | 31.7 |
| G94.0 | 31.0 | 33.2 | 32.5 | 32.4 | 32.5 | 31.0 | 29.6 | 30.4 | 27.4 | 28.5 |
| G95.0 | 27.5 | 29.4 | 28.7 | 29.0 | 28.2 | 27.5 | 27.2 | 27.4 | 25.2 | 25.8 |
| G96.0 | 25.0 | 26.7 | 26.4 | 26.3 | 26.2 | 25.8 | 25.7 | 26.2 | 23.8 | 24.6 |
| G97.0 | 23.8 | 25.1 | 24.8 | 25.0 | 24.5 | 24.9 | 24.6 | 25.1 | 23.1 | 24.1 |
| G98.0 | 23.0 | 24.7 | 23.7 | 24.3 | 23.6 | 24.2 | 24.4 | 24.7 | 23.2 | 23.9 |
| G99.0 | 22.4 | 24.1 | 23.3 | 23.5 | 23.2 | 23.9 | 23.5 | 24.5 | 23.4 | 24.3 |
| G100.0 | 23.0 | 24.7 | 23.6 | 24.0 | 23.9 | 23.8 | 24.0 | 24.8 | 24.0 | 24.3 |
| G101.0 | 23.3 | 24.8 | 24.2 | 24.5 | 23.9 | 24.2 | 24.0 | 24.9 | 23.3 | 24.5 |
| G102.0 | 24.1 | 24.8 | 24.0 | 24.9 | 24.0 | 23.5 | 24.3 | 24.7 | 23.9 | 24.5 |
| G103.0 | 24.0 | 24.9 | 24.5 | 24.5 | 24.5 | 22.9 | 24.7 | 25.0 | 24.0 | 25.0 |
| G104.0 | 24.5 | 25.3 | 24.8 | 24.2 | 24.6 | 22.9 | 24.8 | 25.3 | 23.9 | 25.1 |
| G105.0 | 24.7 | 25.4 | 25.3 | 23.7 | 24.5 | 23.0 | 24.7 | 25.4 | 24.4 | 25.3 |
| G106.0 | 25.2 | 25.4 | 25.0 | 24.4 | 24.5 | 23.5 | 24.8 | 25.6 | 24.6 | 24.8 |
| G107.0 | 25.0 | 25.2 | 24.8 | 24.6 | 24.9 | 23.7 | 25.7 | 25.9 | 24.4 | 25.4 |
| G108.0 | 25.1 | 25.5 | 25.7 | 24.4 | 25.3 | 24.1 | 25.7 | 26.4 | 24.1 | 25.3 |
| G109.0 | 25.3 | 24.9 | 25.5 | 24.7 | 25.3 | 24.4 | 25.8 | 26.2 | 24.2 | 24.9 |
| G110.0 | 25.3 | 25.0 | 25.8 | 24.8 | 25.2 | 24.5 | 26.0 | 25.8 | 24.0 | 24.3 |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.0 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G111.0 | 24.9 | 24.3 | 25.5 | 24.4 | 25.5 | 24.3 | 25.5 | 25.6 | 24.1 | 24.2 |
| G112.0 | 25.0 | 24.5 | 25.8 | 24.4 | 25.3 | 24.2 | 25.6 | 25.8 | 24.1 | 23.8 |
| G113.0 | 24.4 | 24.5 | 25.4 | 24.5 | 24.6 | 24.3 | 25.2 | 25.8 | 23.9 | 23.4 |
| G114.0 | 24.1 | 24.4 | 24.9 | 24.2 | 22.6 | 24.4 | 25.2 | 25.3 | 23.9 | 23.2 |
| G115.0 | 24.4 | 23.8 | 25.0 | 23.9 | 22.3 | 23.8 | 24.7 | 24.6 | 23.8 | 23.0 |
| G116.0 | 23.9 | 23.7 | 24.5 | 23.6 | 21.6 | 23.1 | 24.5 | 23.8 | 23.4 | 22.9 |
| G117.0 | 23.7 | 23.0 | 24.0 | 23.1 | 21.1 | 23.1 | 24.2 | 22.7 | 22.8 | 23.1 |
| G118.0 | 22.7 | 22.1 | 23.6 | 22.8 | 20.3 | 22.5 | 23.6 | 22.7 | 22.6 | 22.9 |
| G119.0 | 22.5 | 21.1 | 23.2 | 22.3 | 19.5 | 22.0 | 23.2 | 21.1 | 22.4 | 22.8 |
| G120.0 | 22.2 | 19.9 | 22.6 | 21.7 | 18.7 | 21.7 | 22.9 | 20.9 | 21.7 | 22.4 |
| G121.0 | 21.1 | 18.8 | 22.0 | 21.0 | 17.5 | 21.0 | 22.2 | 20.1 | 21.0 | 20.9 |
| G122.0 | 20.2 | 17.5 | 21.3 | 19.9 | 16.8 | 20.1 | 21.0 | 19.0 | 19.9 | 21.1 |
| G123.0 | 19.5 | 16.9 | 20.1 | 18.8 | 15.6 | 19.2 | 19.8 | 18.6 | 19.6 | 20.4 |
| G124.0 | 18.0 | 15.6 | 19.1 | 17.6 | 14.4 | 18.1 | 19.1 | 17.0 | 18.9 | 19.6 |
| G125.0 | 17.0 | 14.6 | 18.3 | 16.6 | 13.6 | 17.5 | 18.3 | 16.6 | 17.9 | 18.8 |
| G126.0 | 16.2 | 14.1 | 17.2 | 15.4 | 12.5 | 15.9 | 16.6 | 15.9 | 17.4 | 18.0 |
| G127.0 | 15.3 | 13.2 | 15.9 | 14.6 | 11.8 | 15.2 | 15.4 | 15.4 | 16.7 | 17.5 |
| G128.0 | 14.4 | 12.6 | 14.6 | 13.5 | 11.3 | 14.4 | 14.3 | 14.4 | 16.0 | 17.0 |
| G129.0 | 13.6 | 12.4 | 13.8 | 11.9 | 10.7 | 13.1 | 13.6 | 14.0 | 15.1 | 15.6 |
| G130.0 | 13.0 | 11.4 | 13.0 | 10.7 | 9.4 | 12.3 | 12.8 | 13.1 | 14.2 | 15.1 |
| G131.0 | 12.2 | 11.1 | 11.2 | 9.9 | 9.2 | 12.0 | 11.5 | 12.8 | 13.5 | 15.0 |
| G132.0 | 10.9 | 10.6 | 10.2 | 9.0 | 8.3 | 10.9 | 10.6 | 12.3 | 11.4 | 14.3 |
| G133.0 | 9.6 | 10.5 | 9.1 | 8.4 | 8.3 | 10.6 | 9.7 | 11.9 | 10.7 | 13.8 |
| G134.0 | 9.0 | 10.1 | 8.3 | 7.6 | 7.4 | 9.3 | 8.8 | 11.4 | 10.0 | 13.1 |
| G135.0 | 8.4 | 9.3 | 7.3 | 6.8 | 7.0 | 8.6 | 8.9 | 11.1 | 9.7 | 12.6 |
| G136.0 | 8.2 | 8.8 | 6.8 | 6.3 | 6.4 | 7.5 | 8.5 | 10.8 | 8.5 | 11.9 |
| G137.0 | 8.2 | 8.4 | 6.0 | 5.7 | 5.5 | 6.6 | 8.2 | 10.3 | 9.0 | 11.3 |
| G138.0 | 7.4 | 8.4 | 5.7 | 4.9 | 5.3 | 5.9 | 7.0 | 10.0 | 7.8 | 11.0 |
| G139.0 | 7.1 | 7.6 | 5.4 | 4.4 | 4.9 | 5.7 | 7.3 | 9.4 | 7.9 | 9.8 |
| G140.0 | 6.8 | 7.5 | 4.8 | 4.1 | 4.5 | 5.1 | 7.1 | 8.9 | 7.0 | 9.8 |
| G141.0 | 6.4 | 7.2 | 4.9 | 3.5 | 4.2 | 4.9 | 6.8 | 8.1 | 7.3 | 9.2 |
| G142.0 | 6.1 | 6.8 | 3.7 | 3.9 | 4.1 | 4.6 | 6.7 | 7.6 | 6.4 | 8.4 |
| G143.0 | 5.0 | 6.4 | 4.1 | 3.6 | 3.5 | 4.6 | 6.6 | 7.8 | 6.3 | 8.2 |
| G144.0 | 4.1 | 6.1 | 3.6 | 3.4 | 4.1 | 3.9 | 5.4 | 7.5 | 5.9 | 7.6 |
| G145.0 | 4.4 | 4.4 | 3.5 | 3.7 | 4.0 | 4.2 | 5.9 | 7.3 | 6.2 | 7.6 |
| G146.0 | 4.2 | 4.2 | 3.9 | 3.7 | 2.9 | 4.0 | 5.3 | 6.3 | 5.1 | 7.0 |
| G147.0 | 3.7 | 4.2 | 3.2 | 4.0 | 3.7 | 3.9 | 5.2 | 5.9 | 4.1 | 6.2 |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

| G\C | C0.0 | C22.5 | C45.0 | C67.5 | C90.0 | C112.5 | C135.0 | C157.5 | C180.0 | C202.5 |
|--------|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| G148.0 | 3.4 | 4.4 | 3.3 | 3.8 | 4.1 | 3.4 | 5.1 | 5.6 | 4.7 | 6.0 |
| G149.0 | 2.6 | 2.1 | 3.2 | 3.3 | 3.3 | 3.8 | 4.9 | 5.7 | 4.1 | 6.0 |
| G150.0 | 3.1 | 3.9 | 3.0 | 3.1 | 3.4 | 3.3 | 4.4 | 5.2 | 4.1 | 5.2 |
| G151.0 | 2.2 | 3.5 | 2.9 | 4.0 | 2.9 | 3.8 | 4.0 | 4.8 | 4.2 | 5.1 |
| G152.0 | 2.9 | 3.6 | 3.1 | 3.7 | 3.5 | 3.8 | 4.6 | 4.7 | 2.7 | 5.0 |
| G153.0 | 2.7 | 3.4 | 3.1 | 3.4 | 3.7 | 3.4 | 4.2 | 4.4 | 3.0 | 4.6 |
| G154.0 | 2.7 | 3.6 | 3.0 | 3.4 | 3.5 | 3.6 | 3.3 | 4.4 | 3.0 | 4.3 |
| G155.0 | 2.7 | 3.6 | 2.5 | 3.2 | 3.2 | 3.8 | 3.9 | 3.2 | 2.6 | 3.8 |
| G156.0 | 2.7 | 3.0 | 3.0 | 3.5 | 3.0 | 3.8 | 3.9 | 3.7 | 2.2 | 3.2 |
| G157.0 | 2.3 | 3.2 | 3.1 | 2.9 | 3.0 | 3.3 | 4.0 | 3.8 | 2.4 | 3.6 |
| G158.0 | 2.5 | 3.3 | 3.4 | 3.1 | 2.8 | 3.4 | 3.4 | 2.3 | 2.6 | 2.7 |
| G159.0 | 2.3 | 3.4 | 3.0 | 3.1 | 2.8 | 3.2 | 2.9 | 3.0 | 1.6 | 3.0 |
| G160.0 | 2.6 | 3.0 | 2.5 | 3.2 | 3.0 | 3.2 | 3.4 | 2.9 | 2.0 | 2.7 |
| G161.0 | 2.2 | 3.1 | 3.0 | 3.5 | 2.9 | 2.0 | 3.0 | 3.0 | 2.1 | 2.7 |
| G162.0 | 2.3 | 3.1 | 2.4 | 2.8 | 2.7 | 3.5 | 2.7 | 2.8 | 1.7 | 2.7 |
| G163.0 | 2.5 | 2.8 | 2.8 | 3.2 | 2.7 | 2.9 | 3.1 | 2.9 | 1.7 | 2.5 |
| G164.0 | 2.0 | 3.3 | 2.6 | 2.9 | 2.2 | 3.3 | 2.3 | 2.6 | 1.5 | 2.4 |
| G165.0 | 2.1 | 3.2 | 2.3 | 2.3 | 2.6 | 3.3 | 2.7 | 2.0 | 1.4 | 2.5 |
| G166.0 | 1.9 | 2.9 | 2.6 | 2.6 | 2.7 | 2.6 | 2.6 | 2.2 | 1.2 | 2.2 |
| G167.0 | 2.1 | 2.0 | 2.5 | 2.9 | 2.4 | 2.9 | 3.4 | 2.5 | 1.9 | 2.2 |
| G168.0 | 2.4 | 2.7 | 2.6 | 2.2 | 2.5 | 3.0 | 2.8 | 2.1 | 1.6 | 2.5 |
| G169.0 | 1.8 | 3.2 | 2.4 | 3.0 | 2.2 | 3.2 | 2.9 | 2.6 | 1.3 | 2.6 |
| G170.0 | 2.0 | 3.2 | 2.2 | 2.8 | 2.8 | 2.3 | 2.7 | 2.1 | 1.7 | 2.4 |
| G171.0 | 2.1 | 2.8 | 3.1 | 2.8 | 1.7 | 3.2 | 2.7 | 2.4 | 1.3 | 2.6 |
| G172.0 | 1.9 | 2.9 | 2.1 | 2.5 | 2.5 | 3.1 | 2.9 | 2.7 | 1.4 | 2.6 |
| G173.0 | 2.1 | 2.9 | 2.7 | 2.9 | 2.0 | 3.4 | 2.6 | 2.5 | 1.4 | 2.3 |
| G174.0 | 1.9 | 2.8 | 2.4 | 2.8 | 2.2 | 2.6 | 2.9 | 2.7 | 1.5 | 2.0 |
| G175.0 | 2.1 | 2.7 | 2.8 | 2.5 | 1.8 | 2.7 | 2.0 | 2.5 | 1.6 | 2.4 |
| G176.0 | 1.4 | 2.7 | 2.0 | 2.6 | 2.2 | 2.9 | 2.5 | 2.2 | 1.5 | 2.1 |
| G177.0 | 2.1 | 2.9 | 1.9 | 2.8 | 2.1 | 2.6 | 2.7 | 2.3 | 1.7 | 2.4 |
| G178.0 | 1.9 | 2.7 | 1.4 | 2.5 | 2.6 | 2.2 | 2.7 | 2.6 | 1.5 | 1.7 |
| G179.0 | 2.1 | 2.9 | 2.0 | 2.5 | 1.9 | 2.8 | 2.4 | 1.8 | 0.0 | 2.7 |
| G180.0 | 2.0 | 2.6 | 2.2 | 2.7 | 2.6 | 2.5 | 2.4 | 2.2 | 1.4 | 2.3 |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.0 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

| | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
| G0.0 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 | 608.7 | | | |
| G1.0 | 607.5 | 607.5 | 609.0 | 607.9 | 607.3 | 608.3 | 609.4 | | | |
| G2.0 | 606.5 | 606.5 | 608.4 | 607.1 | 607.1 | 607.9 | 609.8 | | | |
| G3.0 | 604.5 | 604.9 | 606.0 | 604.3 | 604.9 | 606.1 | 608.5 | | | |
| G4.0 | 602.1 | 603.0 | 604.2 | 602.5 | 602.0 | 604.7 | 606.1 | | | |
| G5.0 | 600.9 | 601.1 | 602.8 | 601.0 | 601.3 | 602.9 | 603.2 | | | |
| G6.0 | 599.1 | 599.6 | 602.0 | 600.1 | 599.2 | 600.6 | 601.2 | | | |
| G7.0 | 597.9 | 598.3 | 601.2 | 599.0 | 599.1 | 599.7 | 598.4 | | | |
| G8.0 | 596.3 | 596.7 | 600.0 | 597.3 | 597.4 | 596.0 | 597.0 | | | |
| G9.0 | 595.3 | 596.3 | 599.3 | 596.8 | 595.5 | 594.9 | 594.9 | | | |
| G10.0 | 593.4 | 595.3 | 597.2 | 595.7 | 594.1 | 593.2 | 592.9 | | | |
| G11.0 | 592.6 | 594.6 | 597.0 | 593.6 | 593.1 | 591.3 | 591.6 | | | |
| G12.0 | 592.5 | 594.6 | 595.8 | 592.7 | 592.1 | 590.4 | 590.0 | | | |
| G13.0 | 592.7 | 594.3 | 594.7 | 591.8 | 591.1 | 589.4 | 587.9 | | | |
| G14.0 | 592.1 | 593.8 | 593.0 | 590.9 | 589.6 | 588.5 | 586.3 | | | |
| G15.0 | 591.1 | 592.6 | 591.6 | 589.4 | 587.8 | 586.4 | 585.5 | | | |
| G16.0 | 590.3 | 590.7 | 590.0 | 587.6 | 586.0 | 585.5 | 583.9 | | | |
| G17.0 | 587.7 | 587.6 | 588.8 | 586.8 | 584.6 | 583.5 | 582.5 | | | |
| G18.0 | 584.4 | 585.9 | 587.7 | 584.9 | 581.1 | 581.6 | 579.5 | | | |
| G19.0 | 583.3 | 584.6 | 588.2 | 582.5 | 580.3 | 580.8 | 579.4 | | | |
| G20.0 | 581.5 | 583.8 | 586.2 | 582.3 | 579.8 | 578.6 | 578.1 | | | |
| G21.0 | 580.3 | 582.9 | 585.6 | 582.2 | 578.8 | 578.0 | 577.3 | | | |
| G22.0 | 580.2 | 582.7 | 586.1 | 581.8 | 578.1 | 577.1 | 575.8 | | | |
| G23.0 | 581.0 | 582.6 | 586.2 | 582.5 | 578.1 | 576.8 | 575.6 | | | |
| G24.0 | 583.1 | 582.7 | 587.4 | 583.4 | 580.3 | 577.0 | 575.6 | | | |
| G25.0 | 585.4 | 585.5 | 588.5 | 586.3 | 581.3 | 578.5 | 575.3 | | | |
| G26.0 | 589.1 | 587.9 | 591.7 | 589.3 | 584.4 | 581.5 | 576.9 | | | |
| G27.0 | 594.2 | 593.3 | 596.4 | 594.0 | 587.9 | 584.4 | 579.7 | | | |
| G28.0 | 601.4 | 599.7 | 602.9 | 600.9 | 593.3 | 589.0 | 584.5 | | | |
| G29.0 | 610.8 | 607.9 | 611.7 | 608.4 | 600.5 | 595.5 | 589.5 | | | |
| G30.0 | 622.1 | 618.1 | 622.5 | 617.4 | 609.0 | 602.6 | 597.9 | | | |
| G31.0 | 633.0 | 628.1 | 632.5 | 627.0 | 618.1 | 613.3 | 605.3 | | | |
| G32.0 | 643.4 | 638.8 | 642.1 | 636.0 | 627.6 | 624.4 | 614.6 | | | |
| G33.0 | 653.3 | 648.3 | 651.1 | 644.9 | 636.2 | 633.4 | 624.5 | | | |
| G34.0 | 663.5 | 656.7 | 658.3 | 652.0 | 644.5 | 643.5 | 634.6 | | | |
| G35.0 | 673.5 | 667.3 | 665.5 | 659.4 | 652.7 | 651.6 | 643.8 | | | |
| G36.0 | 683.1 | 677.2 | 675.2 | 666.9 | 661.4 | 657.5 | 653.4 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G37.0 | 692.7 | 688.8 | 684.1 | 675.8 | 669.0 | 666.9 | 663.3 | | | |
| G38.0 | 702.4 | 700.0 | 694.3 | 684.8 | 680.0 | 675.3 | 673.0 | | | |
| G39.0 | 712.2 | 712.2 | 704.5 | 693.0 | 689.4 | 684.4 | 682.7 | | | |
| G40.0 | 725.3 | 722.2 | 714.6 | 705.2 | 698.6 | 693.6 | 691.6 | | | |
| G41.0 | 734.6 | 732.5 | 724.4 | 712.0 | 707.9 | 703.0 | 701.8 | | | |
| G42.0 | 741.1 | 739.2 | 731.9 | 722.7 | 717.3 | 714.5 | 709.6 | | | |
| G43.0 | 746.4 | 743.3 | 737.9 | 730.0 | 722.7 | 722.4 | 717.4 | | | |
| G44.0 | 748.8 | 747.0 | 743.9 | 732.9 | 727.1 | 728.2 | 724.2 | | | |
| G45.0 | 749.3 | 747.7 | 745.1 | 735.9 | 731.4 | 732.0 | 728.2 | | | |
| G46.0 | 746.8 | 746.7 | 745.3 | 735.9 | 733.3 | 735.4 | 731.6 | | | |
| G47.0 | 741.0 | 742.1 | 741.1 | 732.9 | 732.6 | 734.2 | 731.4 | | | |
| G48.0 | 733.4 | 734.7 | 734.5 | 727.4 | 730.4 | 731.5 | 730.4 | | | |
| G49.0 | 723.7 | 723.7 | 726.3 | 719.9 | 724.5 | 725.9 | 724.7 | | | |
| G50.0 | 713.3 | 713.0 | 715.0 | 710.0 | 716.7 | 716.2 | 720.5 | | | |
| G51.0 | 700.4 | 699.4 | 704.1 | 698.5 | 706.1 | 706.2 | 710.2 | | | |
| G52.0 | 687.6 | 685.2 | 691.0 | 686.0 | 694.3 | 695.2 | 698.8 | | | |
| G53.0 | 673.5 | 671.3 | 676.3 | 673.0 | 679.7 | 683.3 | 685.9 | | | |
| G54.0 | 656.5 | 657.1 | 661.4 | 657.6 | 665.9 | 669.5 | 672.9 | | | |
| G55.0 | 641.0 | 641.3 | 645.1 | 643.1 | 651.1 | 655.8 | 657.0 | | | |
| G56.0 | 627.6 | 627.7 | 629.9 | 627.7 | 636.0 | 639.5 | 642.4 | | | |
| G57.0 | 616.6 | 616.8 | 616.4 | 614.0 | 620.6 | 624.8 | 627.4 | | | |
| G58.0 | 606.9 | 608.6 | 605.3 | 602.2 | 607.6 | 610.2 | 615.0 | | | |
| G59.0 | 597.1 | 603.0 | 599.6 | 592.9 | 600.8 | 598.8 | 606.6 | | | |
| G60.0 | 592.4 | 597.5 | 594.1 | 588.7 | 593.4 | 591.4 | 598.1 | | | |
| G61.0 | 589.3 | 596.0 | 591.1 | 586.8 | 589.4 | 583.2 | 591.0 | | | |
| G62.0 | 589.6 | 596.7 | 589.7 | 587.1 | 587.7 | 580.9 | 586.7 | | | |
| G63.0 | 595.9 | 597.8 | 590.4 | 590.1 | 588.2 | 582.0 | 584.2 | | | |
| G64.0 | 610.9 | 607.2 | 598.6 | 599.1 | 593.8 | 584.9 | 583.1 | | | |
| G65.0 | 640.3 | 631.0 | 617.1 | 617.8 | 612.6 | 598.0 | 587.3 | | | |
| G66.0 | 683.1 | 665.1 | 656.2 | 657.1 | 653.6 | 630.7 | 601.9 | | | |
| G67.0 | 678.8 | 683.5 | 693.3 | 692.1 | 706.4 | 685.7 | 634.3 | | | |
| G68.0 | 649.4 | 671.9 | 681.8 | 687.2 | 714.2 | 701.9 | 672.2 | | | |
| G69.0 | 611.2 | 620.5 | 646.2 | 655.4 | 681.8 | 680.2 | 670.4 | | | |
| G70.0 | 561.0 | 557.3 | 599.6 | 604.3 | 617.6 | 627.3 | 632.3 | | | |
| G71.0 | 505.4 | 503.3 | 541.0 | 536.1 | 545.7 | 564.1 | 579.4 | | | |
| G72.0 | 459.5 | 456.0 | 483.4 | 486.5 | 486.1 | 508.3 | 528.8 | | | |
| G73.0 | 423.6 | 413.6 | 438.6 | 445.4 | 443.2 | 460.7 | 478.7 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G74.0 | 383.2 | 380.2 | 398.8 | 409.4 | 401.0 | 428.1 | 440.1 | | | |
| G75.0 | 341.8 | 353.5 | 363.3 | 369.9 | 365.5 | 390.3 | 403.4 | | | |
| G76.0 | 305.6 | 320.9 | 329.4 | 333.6 | 329.5 | 350.4 | 365.0 | | | |
| G77.0 | 280.0 | 290.6 | 292.9 | 298.3 | 293.5 | 307.3 | 330.1 | | | |
| G78.0 | 251.7 | 264.0 | 264.4 | 269.7 | 266.4 | 272.2 | 294.3 | | | |
| G79.0 | 224.4 | 237.4 | 239.0 | 241.9 | 238.3 | 248.3 | 264.5 | | | |
| G80.0 | 197.4 | 209.7 | 209.6 | 214.2 | 210.6 | 223.2 | 240.5 | | | |
| G81.0 | 173.4 | 184.1 | 184.7 | 187.8 | 184.6 | 192.1 | 215.1 | | | |
| G82.0 | 150.3 | 161.6 | 161.8 | 164.5 | 162.8 | 168.2 | 187.1 | | | |
| G83.0 | 130.3 | 136.5 | 140.4 | 142.7 | 141.8 | 146.9 | 161.6 | | | |
| G84.0 | 111.4 | 119.0 | 122.4 | 123.0 | 122.0 | 127.4 | 139.1 | | | |
| G85.0 | 97.8 | 103.1 | 103.6 | 104.7 | 106.6 | 110.0 | 120.8 | | | |
| G86.0 | 85.2 | 87.5 | 89.8 | 91.0 | 92.7 | 94.3 | 104.1 | | | |
| G87.0 | 74.7 | 76.6 | 77.2 | 78.7 | 79.9 | 81.9 | 88.4 | | | |
| G88.0 | 62.7 | 64.5 | 65.9 | 68.1 | 68.6 | 70.0 | 75.5 | | | |
| G89.0 | 52.4 | 55.0 | 55.7 | 59.0 | 59.3 | 59.1 | 64.4 | | | |
| G90.0 | 45.7 | 46.9 | 45.6 | 48.5 | 50.2 | 48.7 | 54.1 | | | |
| G91.0 | 40.9 | 41.4 | 40.5 | 43.1 | 43.7 | 42.8 | 45.5 | | | |
| G92.0 | 36.4 | 36.7 | 36.9 | 38.4 | 38.4 | 38.2 | 40.5 | | | |
| G93.0 | 31.7 | 32.4 | 32.1 | 33.6 | 34.1 | 33.3 | 35.4 | | | |
| G94.0 | 28.4 | 27.9 | 28.1 | 29.0 | 29.7 | 29.1 | 31.0 | | | |
| G95.0 | 26.0 | 25.5 | 25.2 | 26.7 | 26.5 | 26.9 | 27.5 | | | |
| G96.0 | 24.5 | 24.6 | 23.7 | 24.5 | 24.5 | 24.5 | 25.0 | | | |
| G97.0 | 24.1 | 24.1 | 23.1 | 23.6 | 22.9 | 23.6 | 23.8 | | | |
| G98.0 | 24.1 | 23.9 | 22.6 | 22.4 | 22.7 | 22.9 | 23.0 | | | |
| G99.0 | 23.5 | 23.6 | 23.4 | 22.5 | 22.6 | 23.4 | 22.4 | | | |
| G100.0 | 23.5 | 24.1 | 23.2 | 23.4 | 22.7 | 23.4 | 23.0 | | | |
| G101.0 | 23.7 | 24.2 | 23.5 | 23.1 | 23.5 | 23.4 | 23.3 | | | |
| G102.0 | 24.1 | 24.2 | 23.5 | 23.5 | 23.5 | 24.1 | 24.1 | | | |
| G103.0 | 24.0 | 24.2 | 23.8 | 24.0 | 23.9 | 23.9 | 24.0 | | | |
| G104.0 | 24.6 | 24.6 | 23.9 | 24.3 | 24.1 | 23.9 | 24.5 | | | |
| G105.0 | 24.8 | 24.9 | 24.4 | 24.5 | 24.5 | 24.4 | 24.7 | | | |
| G106.0 | 24.5 | 24.7 | 24.4 | 25.1 | 24.6 | 24.0 | 25.2 | | | |
| G107.0 | 25.1 | 24.6 | 24.8 | 25.2 | 25.0 | 24.4 | 25.0 | | | |
| G108.0 | 24.5 | 24.9 | 24.7 | 25.1 | 24.7 | 24.4 | 25.1 | | | |
| G109.0 | 24.6 | 24.1 | 24.8 | 24.7 | 24.6 | 24.4 | 25.3 | | | |
| G110.0 | 24.4 | 23.9 | 24.5 | 24.7 | 24.7 | 23.5 | 25.3 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G111.0 | 24.5 | 23.9 | 24.0 | 24.7 | 24.6 | 23.3 | 24.9 | | | |
| G112.0 | 24.2 | 23.7 | 23.9 | 24.7 | 24.4 | 22.8 | 25.0 | | | |
| G113.0 | 24.1 | 23.4 | 23.4 | 24.1 | 23.7 | 22.7 | 24.4 | | | |
| G114.0 | 23.4 | 23.2 | 20.6 | 24.4 | 23.7 | 22.3 | 24.1 | | | |
| G115.0 | 23.2 | 23.0 | 19.5 | 23.7 | 23.0 | 21.7 | 24.4 | | | |
| G116.0 | 22.7 | 22.5 | 18.1 | 22.9 | 23.0 | 21.4 | 23.9 | | | |
| G117.0 | 22.1 | 21.4 | 16.5 | 22.0 | 22.2 | 21.4 | 23.7 | | | |
| G118.0 | 21.5 | 20.7 | 15.6 | 21.5 | 21.6 | 21.4 | 22.7 | | | |
| G119.0 | 19.9 | 20.0 | 14.7 | 20.2 | 20.2 | 21.2 | 22.5 | | | |
| G120.0 | 17.6 | 18.6 | 13.1 | 19.8 | 18.8 | 20.8 | 22.2 | | | |
| G121.0 | 15.7 | 17.2 | 12.1 | 18.3 | 17.5 | 20.1 | 21.1 | | | |
| G122.0 | 14.6 | 15.8 | 11.5 | 16.9 | 15.9 | 19.4 | 20.2 | | | |
| G123.0 | 13.5 | 15.1 | 10.4 | 15.4 | 14.7 | 18.4 | 19.5 | | | |
| G124.0 | 13.2 | 13.8 | 10.3 | 13.5 | 13.6 | 17.6 | 18.0 | | | |
| G125.0 | 13.0 | 12.6 | 9.5 | 11.4 | 12.7 | 16.7 | 17.0 | | | |
| G126.0 | 12.6 | 11.1 | 8.0 | 9.2 | 12.4 | 16.3 | 16.2 | | | |
| G127.0 | 12.1 | 10.0 | 7.9 | 7.4 | 12.4 | 15.2 | 15.3 | | | |
| G128.0 | 11.8 | 9.1 | 7.6 | 7.0 | 12.2 | 14.6 | 14.4 | | | |
| G129.0 | 11.9 | 8.8 | 7.1 | 6.2 | 11.0 | 13.9 | 13.6 | | | |
| G130.0 | 11.6 | 8.0 | 7.2 | 6.3 | 11.0 | 13.3 | 13.0 | | | |
| G131.0 | 11.3 | 7.7 | 7.4 | 6.1 | 10.7 | 12.4 | 12.2 | | | |
| G132.0 | 12.0 | 7.6 | 7.8 | 5.7 | 10.3 | 11.9 | 10.9 | | | |
| G133.0 | 11.6 | 8.0 | 7.9 | 5.5 | 10.1 | 10.8 | 9.6 | | | |
| G134.0 | 11.5 | 8.0 | 7.5 | 5.6 | 9.5 | 10.7 | 9.0 | | | |
| G135.0 | 11.2 | 7.3 | 7.4 | 5.9 | 9.5 | 9.8 | 8.4 | | | |
| G136.0 | 10.8 | 7.1 | 7.4 | 5.7 | 8.5 | 9.4 | 8.2 | | | |
| G137.0 | 10.0 | 7.1 | 6.4 | 5.6 | 8.3 | 9.0 | 8.2 | | | |
| G138.0 | 9.9 | 7.0 | 7.0 | 5.1 | 7.6 | 8.4 | 7.4 | | | |
| G139.0 | 9.5 | 7.0 | 6.9 | 5.4 | 7.4 | 8.1 | 7.1 | | | |
| G140.0 | 9.4 | 7.0 | 6.4 | 5.2 | 6.5 | 7.4 | 6.8 | | | |
| G141.0 | 8.0 | 6.5 | 6.0 | 5.4 | 6.5 | 7.0 | 6.4 | | | |
| G142.0 | 8.0 | 5.9 | 5.6 | 4.5 | 5.9 | 6.9 | 6.1 | | | |
| G143.0 | 7.6 | 6.0 | 5.5 | 5.1 | 5.3 | 5.9 | 5.0 | | | |
| G144.0 | 6.7 | 5.7 | 5.4 | 4.6 | 5.6 | 6.0 | 4.1 | | | |
| G145.0 | 6.3 | 5.6 | 5.2 | 4.9 | 5.0 | 5.6 | 4.4 | | | |
| G146.0 | 6.1 | 5.0 | 4.8 | 4.6 | 5.3 | 4.8 | 4.2 | | | |
| G147.0 | 5.8 | 4.4 | 4.3 | 4.1 | 4.9 | 2.8 | 3.7 | | | |

C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

| G\C | C225.0 | C247.5 | C270.0 | C292.5 | C315.0 | C337.5 | C360.0 | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| G148.0 | 4.8 | 4.0 | 4.1 | 4.4 | 4.9 | 3.2 | 3.4 | | | |
| G149.0 | 5.1 | 4.4 | 4.4 | 4.0 | 4.3 | 3.7 | 2.6 | | | |
| G150.0 | 4.6 | 4.2 | 4.4 | 4.3 | 4.3 | 3.4 | 3.1 | | | |
| G151.0 | 4.6 | 4.3 | 4.0 | 4.4 | 4.0 | 3.6 | 2.2 | | | |
| G152.0 | 4.4 | 3.4 | 4.0 | 4.4 | 4.1 | 3.3 | 2.9 | | | |
| G153.0 | 4.2 | 4.2 | 3.3 | 3.4 | 4.0 | 2.8 | 2.7 | | | |
| G154.0 | 4.0 | 4.1 | 3.1 | 3.8 | 3.7 | 3.0 | 2.7 | | | |
| G155.0 | 3.9 | 3.2 | 2.1 | 4.2 | 3.8 | 3.2 | 2.7 | | | |
| G156.0 | 3.4 | 3.4 | 3.0 | 3.3 | 3.5 | 2.3 | 2.7 | | | |
| G157.0 | 2.2 | 3.7 | 1.8 | 2.4 | 3.7 | 2.7 | 2.3 | | | |
| G158.0 | 3.1 | 3.7 | 2.6 | 3.4 | 2.9 | 2.8 | 2.5 | | | |
| G159.0 | 2.4 | 3.3 | 3.1 | 3.1 | 3.4 | 2.8 | 2.3 | | | |
| G160.0 | 3.1 | 2.9 | 2.7 | 3.4 | 2.5 | 2.9 | 2.6 | | | |
| G161.0 | 2.3 | 3.3 | 3.0 | 3.4 | 2.4 | 2.4 | 2.2 | | | |
| G162.0 | 2.8 | 3.5 | 2.6 | 3.4 | 3.0 | 3.0 | 2.3 | | | |
| G163.0 | 2.5 | 3.6 | 2.5 | 3.5 | 2.8 | 2.9 | 2.5 | | | |
| G164.0 | 2.1 | 3.1 | 2.5 | 3.6 | 2.1 | 3.0 | 2.0 | | | |
| G165.0 | 2.1 | 3.3 | 2.6 | 3.0 | 2.9 | 2.6 | 2.1 | | | |
| G166.0 | 2.0 | 3.1 | 2.3 | 3.2 | 3.1 | 2.6 | 1.9 | | | |
| G167.0 | 2.1 | 3.0 | 2.1 | 3.2 | 2.5 | 2.8 | 2.1 | | | |
| G168.0 | 2.1 | 3.1 | 1.8 | 2.9 | 2.8 | 2.3 | 2.4 | | | |
| G169.0 | 1.8 | 2.7 | 2.3 | 2.5 | 2.8 | 2.6 | 1.8 | | | |
| G170.0 | 2.0 | 2.9 | 2.5 | 2.3 | 2.8 | 2.7 | 2.0 | | | |
| G171.0 | 2.1 | 2.7 | 2.5 | 3.1 | 2.1 | 2.5 | 2.1 | | | |
| G172.0 | 2.1 | 3.1 | 2.0 | 2.9 | 2.7 | 2.6 | 1.9 | | | |
| G173.0 | 2.2 | 3.0 | 2.6 | 3.0 | 2.3 | 2.2 | 2.1 | | | |
| G174.0 | 1.8 | 3.1 | 2.2 | 3.1 | 2.9 | 2.6 | 1.9 | | | |
| G175.0 | 2.2 | 2.8 | 2.4 | 3.1 | 2.7 | 2.2 | 2.1 | | | |
| G176.0 | 1.9 | 2.4 | 2.2 | 2.8 | 2.4 | 2.7 | 1.4 | | | |
| G177.0 | 2.2 | 2.5 | 1.8 | 2.8 | 2.6 | 2.4 | 2.1 | | | |
| G178.0 | 2.2 | 2.7 | 2.4 | 3.1 | 2.7 | 2.3 | 1.9 | | | |
| G179.0 | 2.0 | 2.1 | 2.1 | 2.8 | 2.7 | 2.0 | 2.1 | | | |
| G180.0 | 2.0 | 2.8 | 2.2 | 2.9 | 2.4 | 2.1 | 2.0 | | | |
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C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 'C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector: