

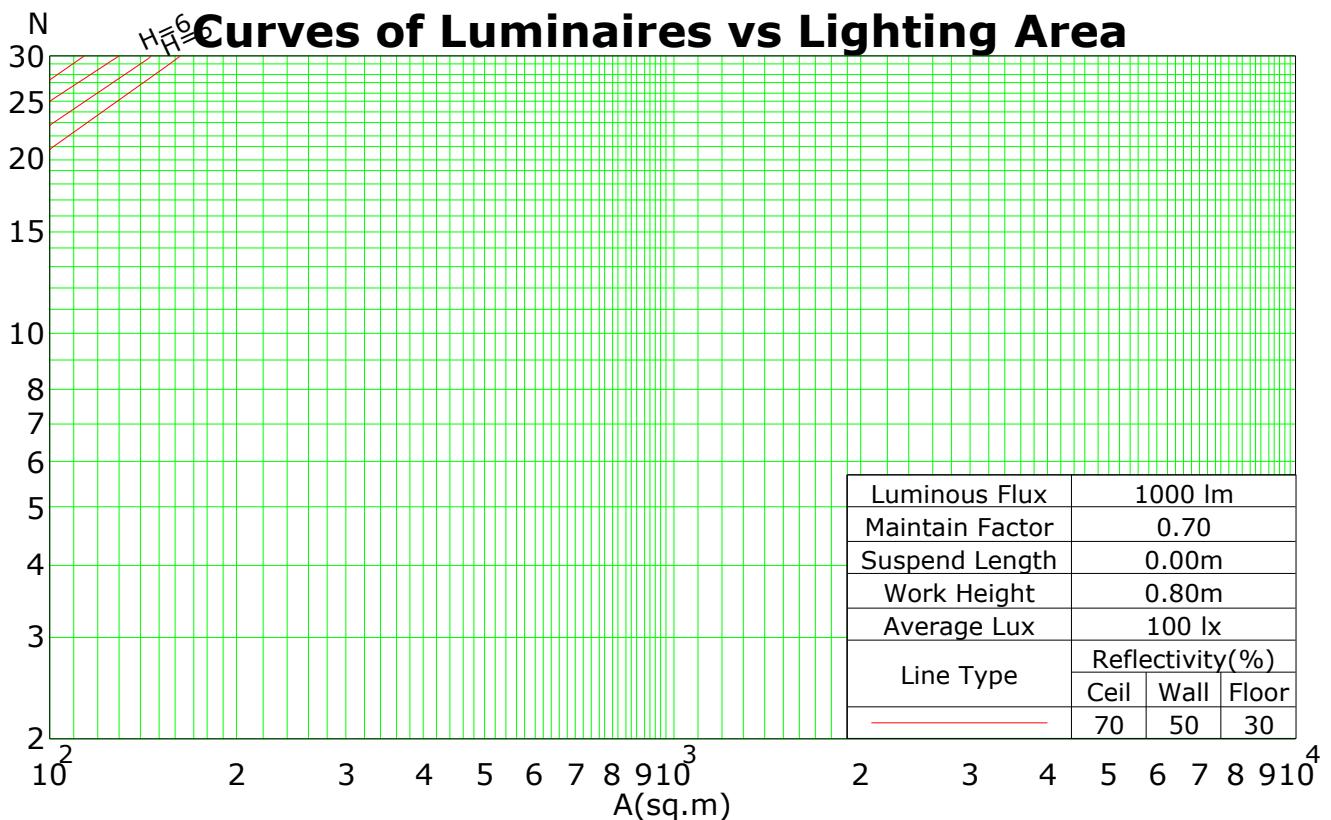
Coefficients Of Utilization - Zonal Cavity Method

| | | | | | | | | | | | | | | | | | | |
|-----|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RC | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0 |
| RW | 0.7 | 0.5 | 0.3 | 0.1 | 0.7 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0.5 | 0.3 | 0.1 | 0 |
| RCR | RF = 0.2 | | | | | | | | | | | | | | | | | |
| 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.01 | 1.01 | 1.01 | 0.99 |
| 1 | 1.10 | 1.06 | 1.02 | 0.98 | 1.07 | 1.03 | 1.00 | 0.97 | 0.99 | 0.96 | 0.94 | 0.95 | 0.93 | 0.91 | 0.91 | 0.90 | 0.88 | 0.86 |
| 2 | 1.01 | 0.94 | 0.88 | 0.83 | 0.99 | 0.92 | 0.86 | 0.82 | 0.88 | 0.84 | 0.80 | 0.85 | 0.81 | 0.78 | 0.82 | 0.79 | 0.76 | 0.74 |
| 3 | 0.93 | 0.84 | 0.76 | 0.70 | 0.91 | 0.82 | 0.75 | 0.70 | 0.79 | 0.73 | 0.69 | 0.76 | 0.71 | 0.67 | 0.74 | 0.70 | 0.66 | 0.64 |
| 4 | 0.86 | 0.75 | 0.67 | 0.61 | 0.84 | 0.74 | 0.66 | 0.61 | 0.71 | 0.65 | 0.60 | 0.69 | 0.63 | 0.59 | 0.67 | 0.62 | 0.58 | 0.56 |
| 5 | 0.80 | 0.68 | 0.60 | 0.53 | 0.78 | 0.67 | 0.59 | 0.53 | 0.65 | 0.58 | 0.53 | 0.63 | 0.57 | 0.52 | 0.61 | 0.56 | 0.51 | 0.49 |
| 6 | 0.74 | 0.62 | 0.53 | 0.47 | 0.72 | 0.61 | 0.53 | 0.47 | 0.59 | 0.52 | 0.47 | 0.57 | 0.51 | 0.46 | 0.56 | 0.50 | 0.46 | 0.44 |
| 7 | 0.69 | 0.56 | 0.48 | 0.42 | 0.67 | 0.55 | 0.48 | 0.42 | 0.54 | 0.47 | 0.42 | 0.52 | 0.46 | 0.42 | 0.51 | 0.45 | 0.41 | 0.39 |
| 8 | 0.64 | 0.52 | 0.44 | 0.38 | 0.63 | 0.51 | 0.43 | 0.38 | 0.50 | 0.43 | 0.38 | 0.48 | 0.42 | 0.37 | 0.47 | 0.41 | 0.37 | 0.35 |
| 9 | 0.60 | 0.48 | 0.40 | 0.35 | 0.59 | 0.47 | 0.40 | 0.34 | 0.46 | 0.39 | 0.34 | 0.45 | 0.38 | 0.34 | 0.44 | 0.38 | 0.34 | 0.32 |
| 10 | 0.57 | 0.44 | 0.36 | 0.31 | 0.55 | 0.43 | 0.36 | 0.31 | 0.42 | 0.36 | 0.31 | 0.42 | 0.35 | 0.31 | 0.41 | 0.35 | 0.31 | 0.29 |

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.28

Spacing Criteria (Diagonal): 1.31



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

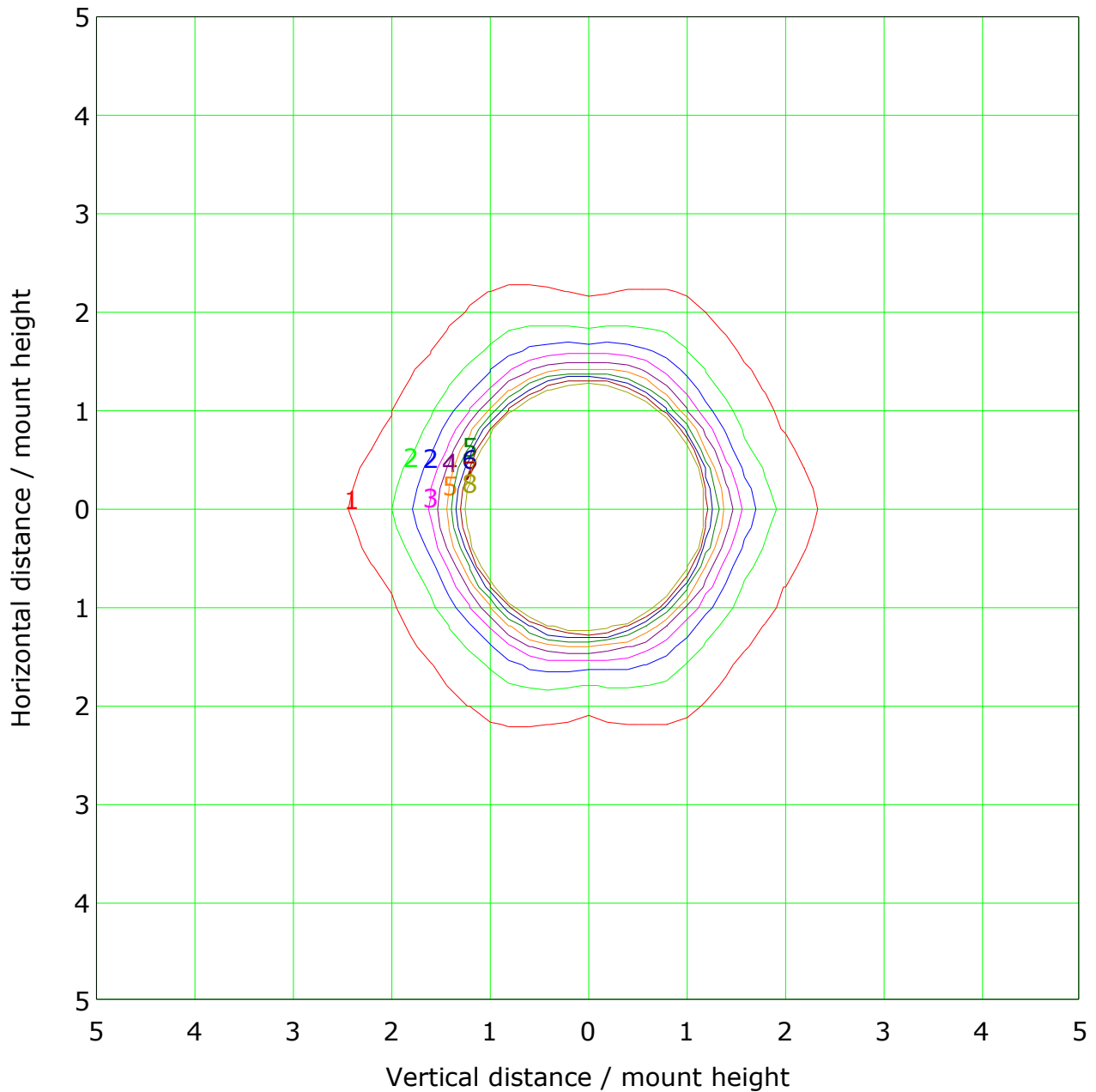
Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



| | |
|--|---------------|
| Mounting Height: 10.0m Max Lux(100%): 76.4 lx | |
| (1%): 0.8 lx | (2%): 1.5 lx |
| (3%): 2.3 lx | (4%): 3.1 lx |
| (5%): 3.8 lx | (6%): 4.6 lx |
| (7%): 5.3 lx | (8%): 6.1 lx |
| (9%): 6.9 lx | (10%): 7.6 lx |

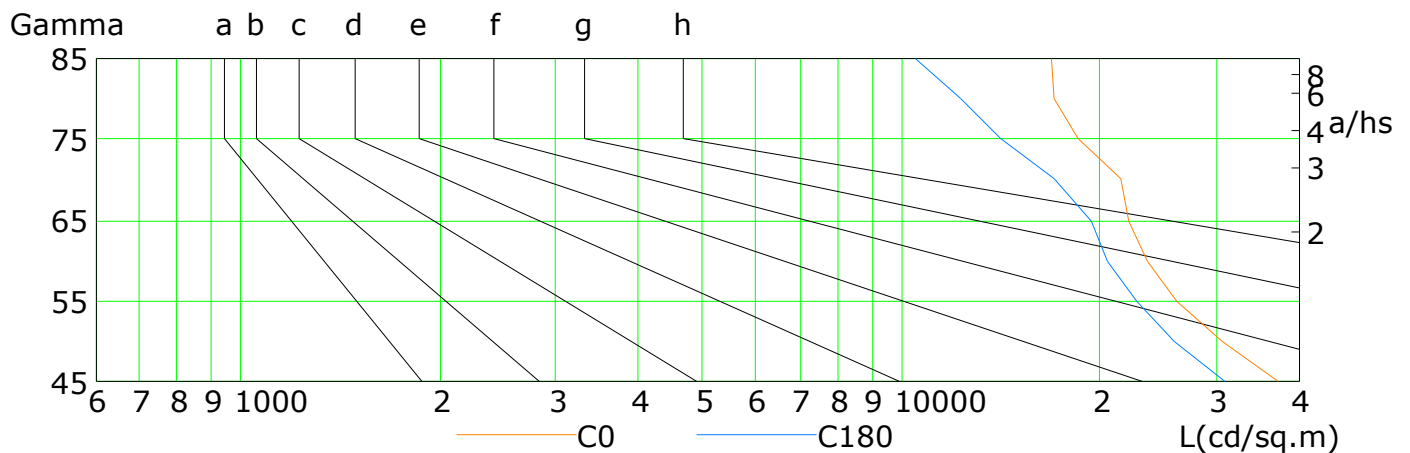
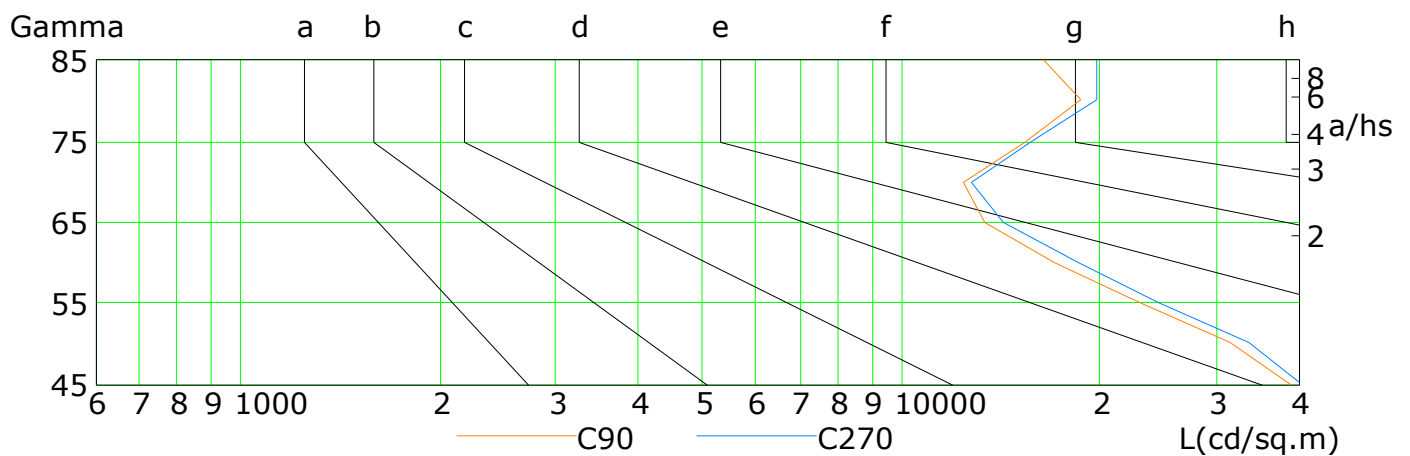
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

Lum Limit Curve

| Dazzle | Quality | Illuminance (lx) | | | | | | | |
|--------|---------|------------------|------|------|-------|-------|-------|-------|-------|
| 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

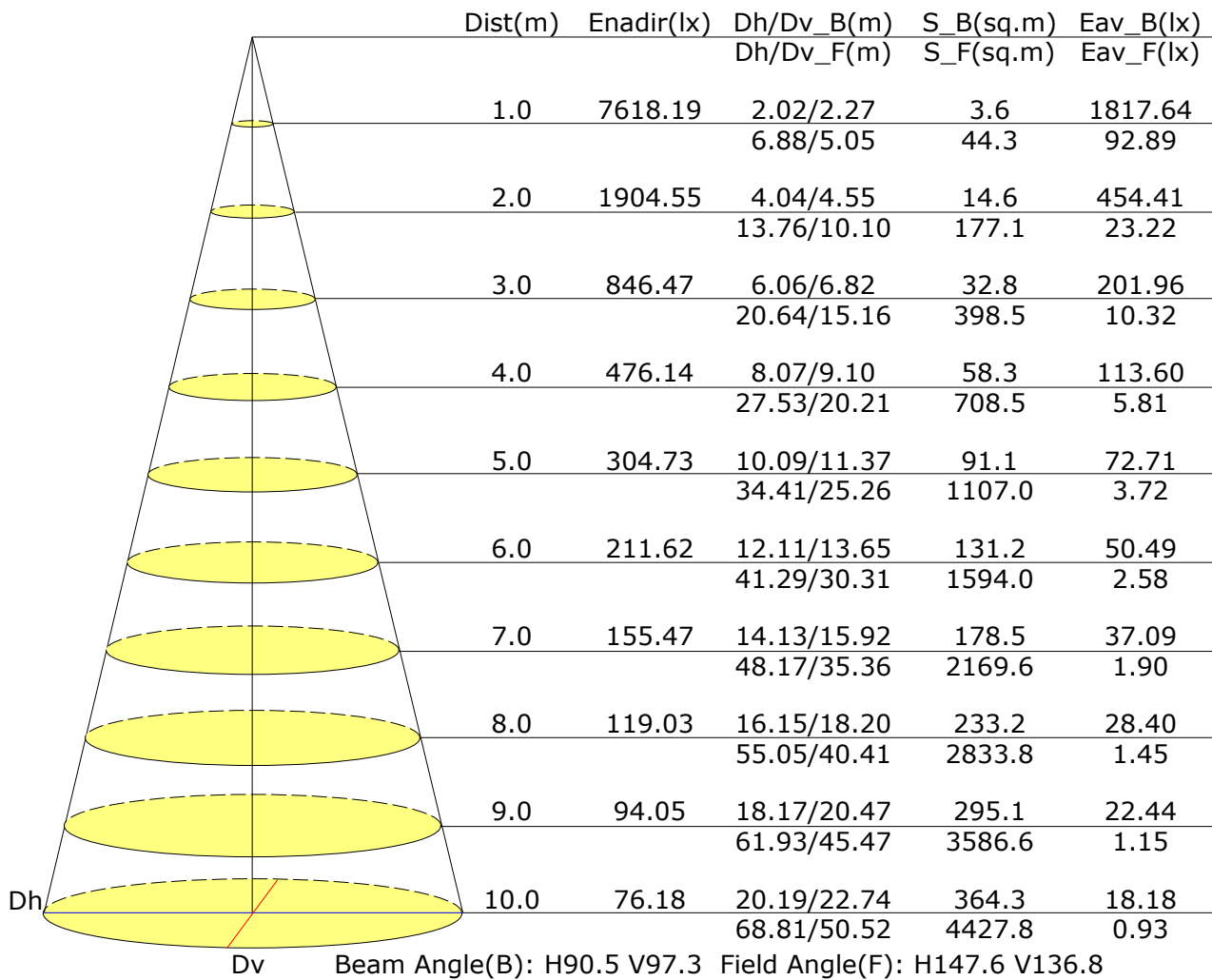


| L(cd/sq.m) | G45 | G50 | G55 | G60 | G65 | G70 | G75 | G80 | G85 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C0 | 37075 | 30718 | 26189 | 23682 | 22131 | 21585 | 18479 | 17092 | 16854 |
| C90 | 38874 | 31523 | 22995 | 17089 | 13324 | 12407 | 15407 | 18728 | 16429 |
| C180 | 30864 | 25927 | 22791 | 20589 | 19328 | 17032 | 14081 | 12275 | 10522 |
| C270 | 40526 | 33737 | 24432 | 18430 | 14225 | 12813 | 15675 | 19683 | 19851 |

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

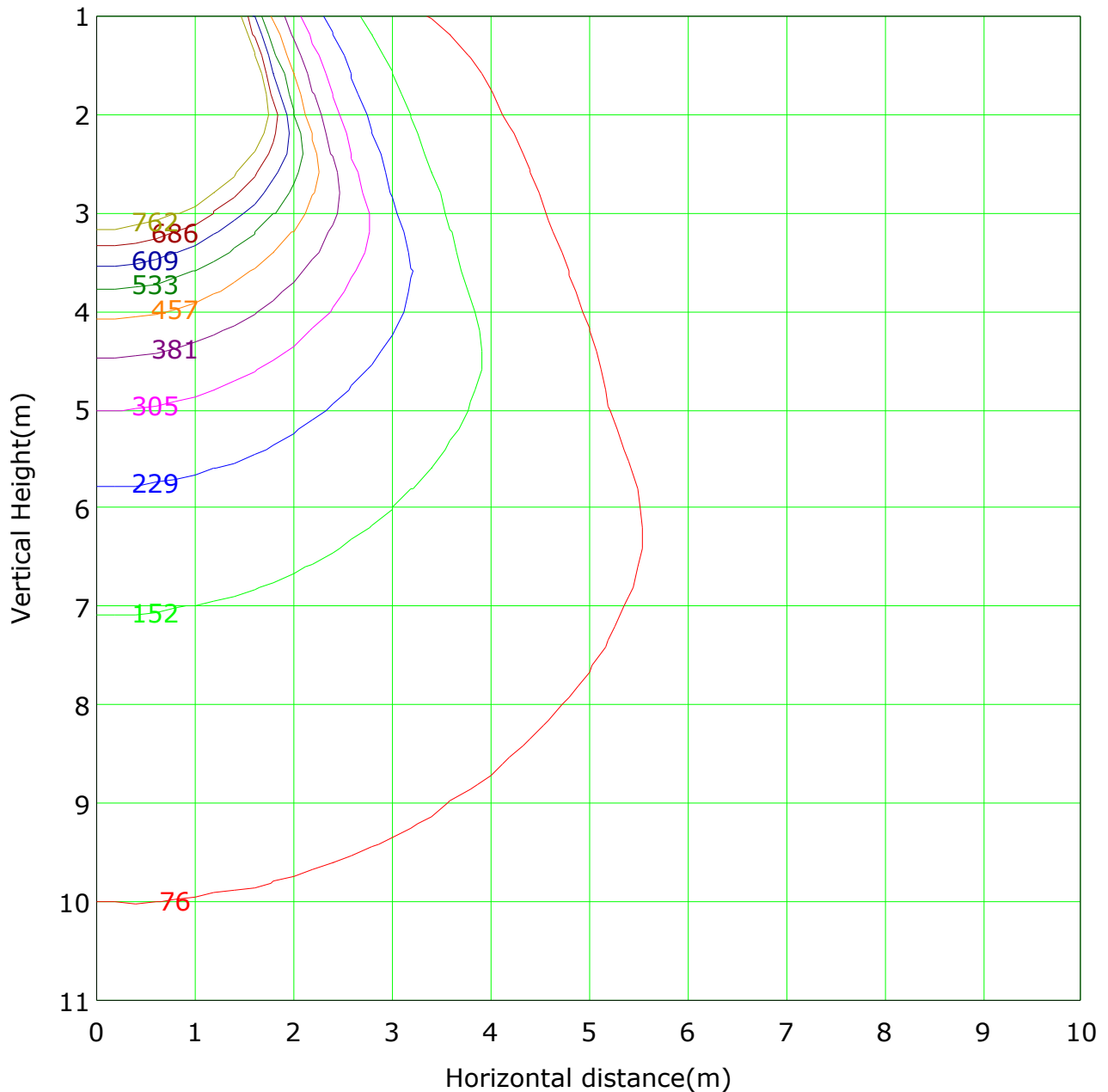
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



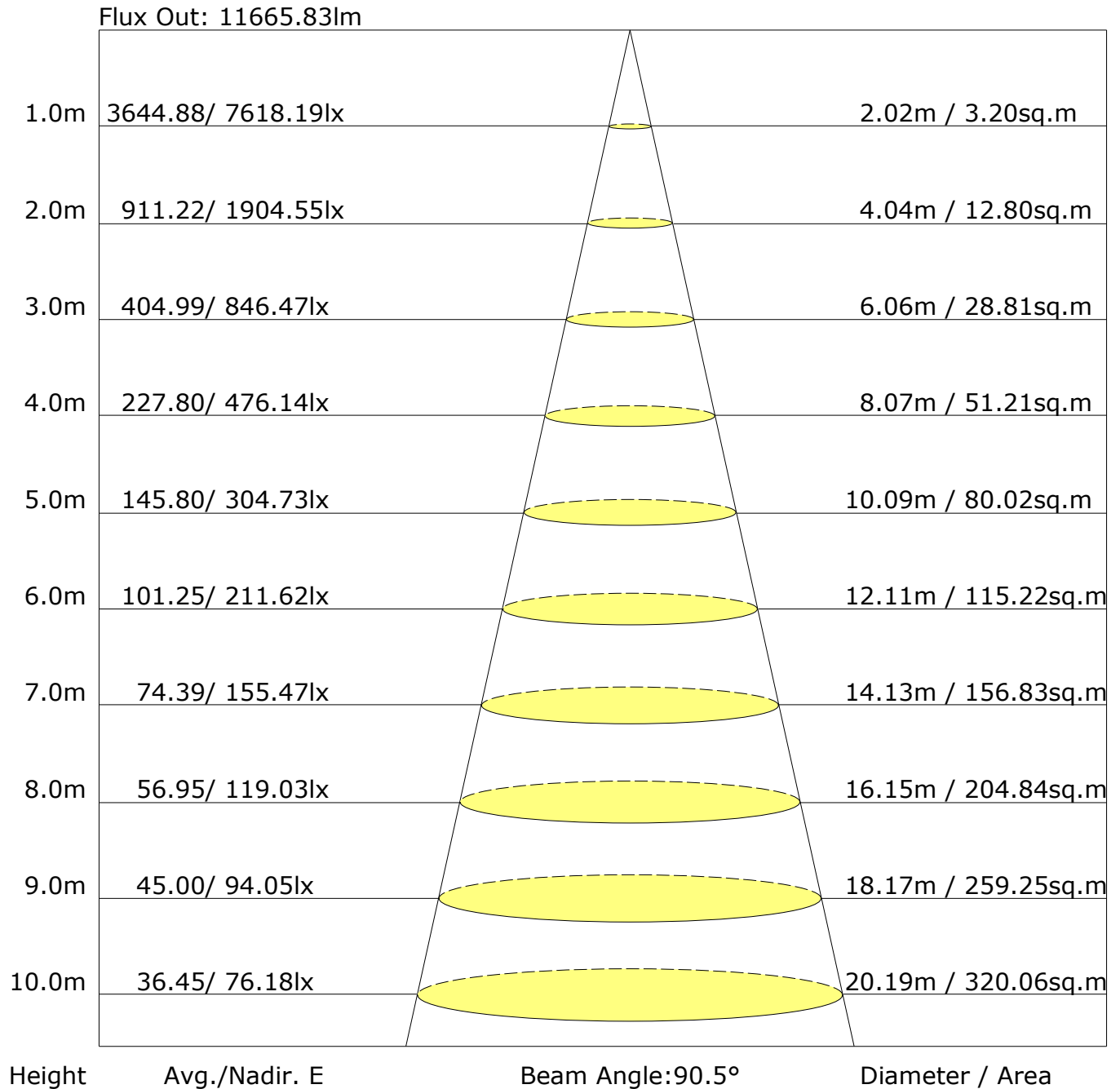
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 7618.2 lx

| | |
|-----------------|-----------------|
| (1%): 76.2 lx | (2%): 152.4 lx |
| (3%): 228.5 lx | (4%): 304.7 lx |
| (5%): 380.9 lx | (6%): 457.1 lx |
| (7%): 533.3 lx | (8%): 609.5 lx |
| (9%): 685.6 lx | (10%): 761.8 lx |

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.140 m [K=1.0000]
Humidity:
Inspector:

The Average Illuminance Effective Figure



FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

| | ZONE | LUMENS | % LAMP LUMENS |
|--|----------------|--------|---------------|
| | FORWARD LIGHT | 8628 | 49.2 |
| | FL (0°-30°) | 2978 | 17.0 |
| | FM (30°-60°) | 4520 | 25.8 |
| | FH (60°-80°) | 1003 | 5.7 |
| | FVH (80°-90°) | 127 | 0.7 |
| | BACK LIGHT | 8786 | 50.1 |
| | BL (0°-30°) | 2997 | 17.1 |
| | BM (30°-60°) | 4620 | 26.4 |
| | BH (60°-80°) | 1031 | 5.9 |
| | BVH (80°-90°) | 138 | 0.8 |
| | UP LIGHT | 110 | 0.6 |
| | UL (90°-100°) | 16 | 0.1 |
| | UH (100°-180°) | 94 | 0.5 |
| | TRAPPED LIGHT | NA | NA |

| BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07 | |
|--|----------|
| Asymmetrical Luminaire Types (Type I,II,III,IV) | B4 U2 G3 |
| Quadrilateral Symmetrical Luminaire Types (Type V,Area Light) | B4 U2 G1 |

C Plane (°):0.0-360.0: 22.5
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