

Luminaire

Code 55-9733-05-M1
 Name Pie INVISIBLE 9W warm white

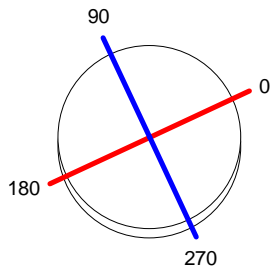
Measur.

Code 25-9733-05-M1
 Name Pie INVISIBLE 9W warm white

| | | | | | | | |
|---|-----------|---|------------------|---|----------------|---|--------------------|
| Luminaire Flux | 469.48 lm | Luminaire Power | 9.00 W | Efficacy | 52.16 lm/W | Efficiency | 100.00% |
| Lamps Flux | 469.49 lm | Maximum value | 340.39 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |
| Round Luminaire Round Luminous Area | | Diam. Diam. | 110 mm 105 mm | Height Height | 20 mm 10 mm | | |
| Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90° | | 0.008659 m2 0.001050 m2 0.001050 m2 | | Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76° | | 0.001050 m2 0.001050 m2 0.003114 m2 | |
| Coordinate system Date Measurement Distance | | CG 13-10-2016 0.00 | | Symmetry Type Maximum Gamma Angle Measurement Flux | | Double Symmetrical 180 469.49 lm | |
| Operator Temperature Humidity Notes | | Asselum T2 25.00 °C 60.00 % | | Source Voltage [V] Source current [A] Photocell | | | |

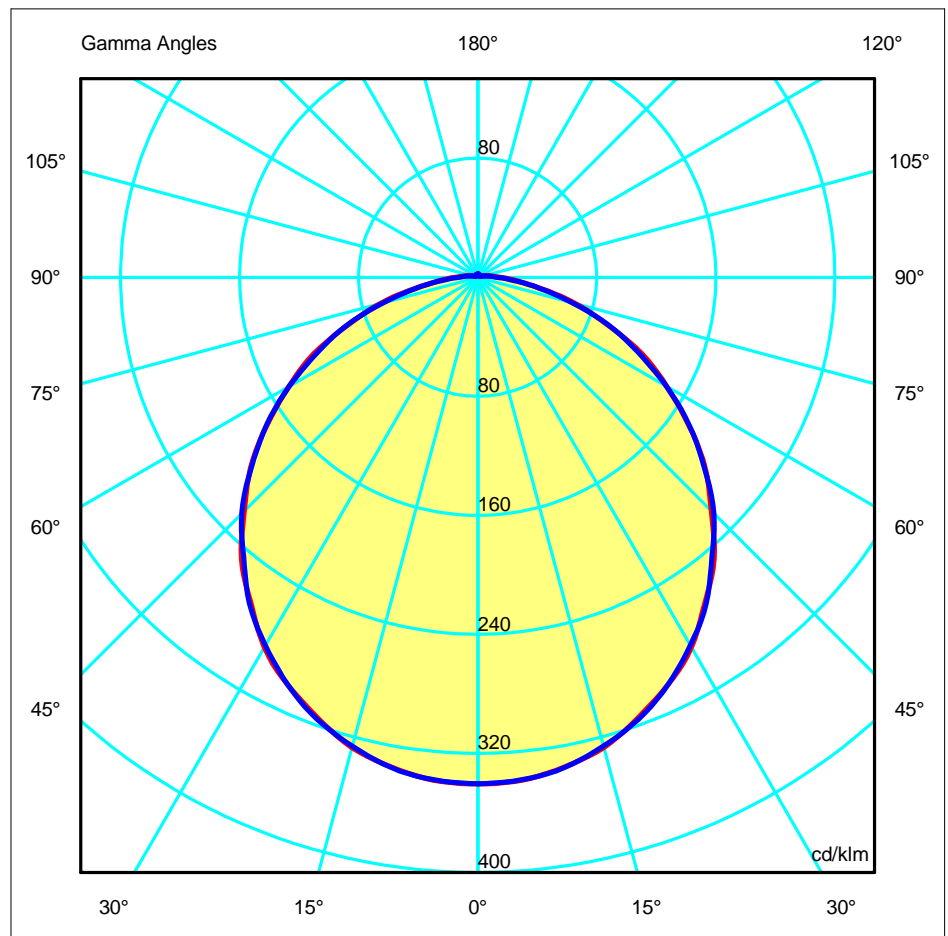
| Line | | Code | Luminaire Lamps | | Flux [lm] | Pow. [W] | Q.ty |
|--------|-----------------|---------------|-----------------|---------------|-----------|----------|------|
| | | 55-9733-05-M1 | Name | 55-9733-05-M1 | 469.49 | 9.00 | 1 |
| C.I.E. | 46 78 94 98 100 | | D DIN 5040 | | A31 | | |
| F UTE | 0.98 E + 0.02 T | | B NBN | | BZ 5 | | |

Diam=110mm



C Halfplanes
 180.0 — 0.0
 270.0 — 90.0

ULOR 2.18 %
 DLOR 97.82 %
 RN 2.18 %



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Luminous Intensity Table cd/klm Table 1/1

| | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
|--------|--------|---------|---------|---------|---------|---------|---------|
| G 0.0 | 340.39 | 340.39 | 340.39 | 340.39 | 340.39 | 340.39 | 340.39 |
| G 5.0 | 339.18 | 338.94 | 339.13 | 338.82 | 338.89 | 338.76 | 338.91 |
| G 10.0 | 334.16 | 334.16 | 334.99 | 334.31 | 334.21 | 334.30 | 334.55 |
| G 15.0 | 327.08 | 326.74 | 327.20 | 326.40 | 326.26 | 326.29 | 326.06 |
| G 20.0 | 314.92 | 316.26 | 316.78 | 315.51 | 315.12 | 315.40 | 315.91 |
| G 25.0 | 302.14 | 302.14 | 303.11 | 301.99 | 301.45 | 301.84 | 302.07 |
| G 30.0 | 287.04 | 285.64 | 287.41 | 285.22 | 285.68 | 285.16 | 285.58 |
| G 35.0 | 266.26 | 266.44 | 269.44 | 266.45 | 267.17 | 266.75 | 267.51 |
| G 40.0 | 247.13 | 245.36 | 247.45 | 245.96 | 246.05 | 246.04 | 244.91 |
| G 45.0 | 221.83 | 224.64 | 225.44 | 223.51 | 223.11 | 223.42 | 224.34 |
| G 50.0 | 199.48 | 199.65 | 201.01 | 199.47 | 198.14 | 198.15 | 198.75 |
| G 55.0 | 172.91 | 173.88 | 176.44 | 173.38 | 173.30 | 173.30 | 173.53 |
| G 60.0 | 146.73 | 147.08 | 150.86 | 146.92 | 148.02 | 146.07 | 146.09 |
| G 65.0 | 121.81 | 119.57 | 122.05 | 120.63 | 120.19 | 119.64 | 118.67 |
| G 70.0 | 92.38 | 94.17 | 95.61 | 92.72 | 92.36 | 91.86 | 93.30 |
| G 75.0 | 68.10 | 68.46 | 68.60 | 66.05 | 65.76 | 64.52 | 65.62 |
| G 80.0 | 43.11 | 44.37 | 45.45 | 42.33 | 41.64 | 40.86 | 42.13 |
| G 85.0 | 26.16 | 26.55 | 27.37 | 23.92 | 24.61 | 22.01 | 24.36 |
| G 90.0 | 15.90 | 15.20 | 15.21 | 13.16 | 13.72 | 11.84 | 12.94 |
| G 95.0 | 9.51 | 9.61 | 9.58 | 8.53 | 8.48 | 7.60 | 8.16 |
| G100.0 | 6.77 | 6.56 | 6.54 | 5.68 | 5.66 | 5.05 | 5.25 |
| G105.0 | 4.09 | 4.15 | 4.24 | 3.65 | 3.66 | 3.30 | 3.48 |
| G110.0 | 2.39 | 2.34 | 2.41 | 2.11 | 2.16 | 1.95 | 2.17 |
| G115.0 | 1.48 | 1.43 | 1.51 | 1.45 | 1.50 | 1.44 | 1.47 |
| G120.0 | 1.46 | 1.42 | 1.46 | 1.46 | 1.48 | 1.48 | 1.44 |
| G125.0 | 1.55 | 1.57 | 1.53 | 1.54 | 1.56 | 1.52 | 1.55 |
| G130.0 | 1.71 | 1.68 | 1.68 | 1.66 | 1.68 | 1.64 | 1.66 |
| G135.0 | 1.82 | 1.78 | 1.78 | 1.81 | 1.81 | 1.76 | 1.82 |
| G140.0 | 1.91 | 1.89 | 1.89 | 1.91 | 1.93 | 1.88 | 1.91 |
| G145.0 | 2.00 | 2.01 | 1.96 | 2.00 | 1.98 | 1.97 | 2.00 |
| G150.0 | 2.02 | 2.05 | 2.05 | 2.05 | 2.07 | 2.07 | 2.05 |
| G155.0 | 2.10 | 2.08 | 2.07 | 2.08 | 2.12 | 2.11 | 2.06 |
| G160.0 | 2.19 | 2.12 | 2.12 | 2.15 | 2.16 | 2.16 | 2.14 |
| G165.0 | 2.19 | 2.18 | 2.18 | 2.18 | 2.18 | 2.16 | 2.17 |
| G170.0 | 2.19 | 2.21 | 2.18 | 2.18 | 2.20 | 2.18 | 2.18 |
| G175.0 | 2.19 | 2.24 | 2.23 | 2.20 | 2.27 | 2.19 | 2.23 |
| G180.0 | 2.28 | 2.28 | 2.23 | 2.27 | 2.27 | 2.22 | 2.25 |

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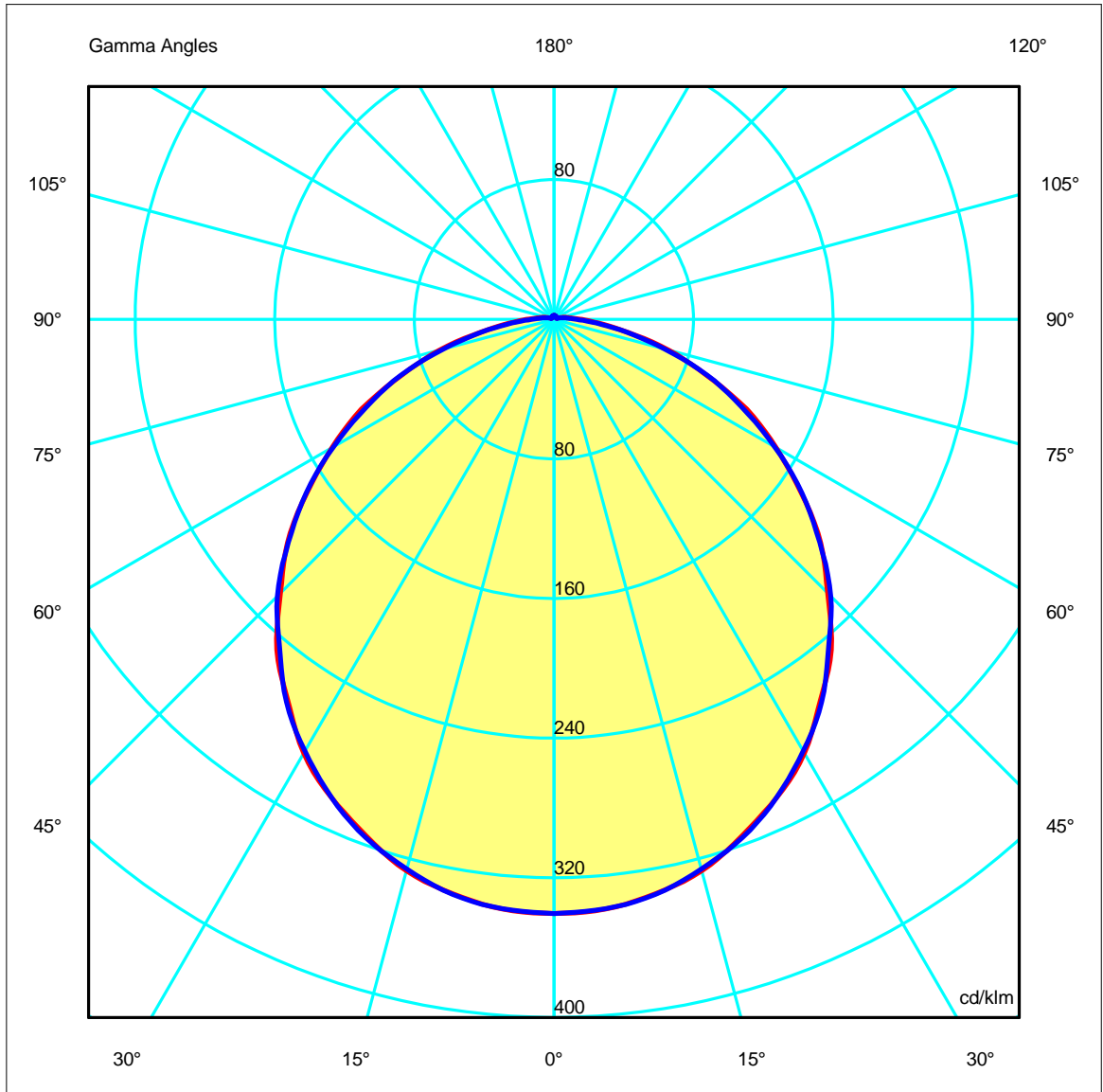
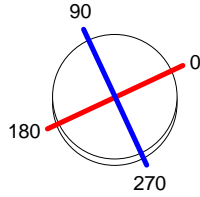
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| Lamps Flux | 469.49 lm | Maximum value | 340.39 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Diam=110mm

C Halfplanes

180.0 ————— 0.0
 270.0 ————— 90.0



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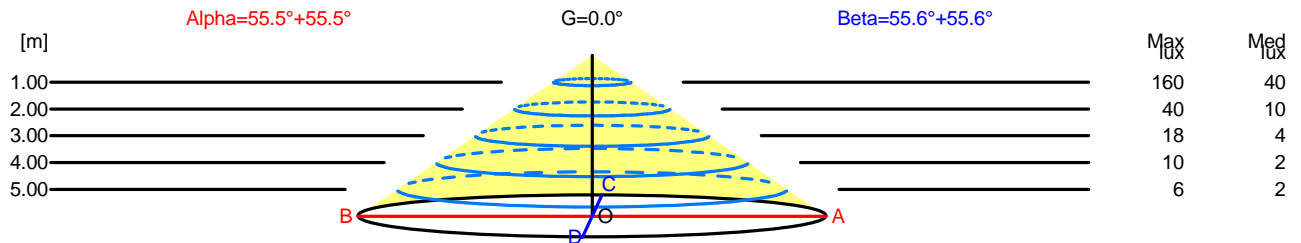
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Width at 50.00 % of Max Intensity

| | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
| OA | 1.45 | 2.91 | 4.36 | 5.82 | 7.27 | OC | 1.46 | 2.92 | 4.39 | 5.85 | 7.31 |
| OB | 1.45 | 2.91 | 4.36 | 5.82 | 7.27 | OD | 1.46 | 2.92 | 4.39 | 5.85 | 7.31 |

| | Luminous Intensities [cd/klm] | | | | | | | | | |
|----|---------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
| OA | 159.81 | 159.24 | 153.56 | 141.85 | 125.01 | 104.15 | 81.18 | 57.19 | 31.97 | 12.28 |
| OB | 159.81 | 159.24 | 153.56 | 141.85 | 125.01 | 104.15 | 81.18 | 57.19 | 31.97 | 12.28 |
| OC | 159.81 | 159.12 | 153.08 | 141.82 | 125.59 | 105.33 | 81.47 | 55.71 | 30.81 | 11.44 |
| OD | 159.81 | 159.12 | 153.08 | 141.82 | 125.59 | 105.33 | 81.47 | 55.71 | 30.81 | 11.44 |



| H[m] | D[m] | Max lux | Med lux | Alpha=55.5°+55.5° | G=0.0 | |
|------|-------|---------|---------|-------------------|-------|--|
| 1.00 | 2.91 | 160 | 40 | | | |
| 2.00 | 5.82 | 40 | 10 | | | |
| 3.00 | 8.73 | 18 | 4 | | | |
| 4.00 | 11.64 | 10 | 2 | | | |
| 5.00 | 14.55 | 6 | 2 | | | |

| H[m] | D[m] | Max lux | Med lux | Beta=55.6°+55.6° | G=0.0 | |
|------|-------|---------|---------|------------------|-------|--|
| 1.00 | 2.92 | 160 | 40 | | | |
| 2.00 | 5.85 | 40 | 10 | | | |
| 3.00 | 8.77 | 18 | 4 | | | |
| 4.00 | 11.70 | 10 | 2 | | | |
| 5.00 | 14.62 | 6 | 2 | | | |

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Measurement

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UGR
S = 0.250

| Reflectancies | | | | | | | | | | |
|----------------|-----------------|------|------|------|------|---------------|------|------|------|------|
| Ceiling/Cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| WorkingPlane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| RoomDimensions | ViewedCrosswise | | | | | ViewedEndwise | | | | |
| x=2H y=2H | 21.5 | 22.8 | 21.8 | 23.0 | 23.3 | 21.4 | 22.7 | 21.7 | 23.0 | 23.3 |
| x=2H y=3H | 23.0 | 24.2 | 23.3 | 24.5 | 24.7 | 22.9 | 24.1 | 23.3 | 24.4 | 24.7 |
| x=2H y=4H | 23.6 | 24.7 | 24.0 | 25.0 | 25.3 | 23.5 | 24.6 | 23.9 | 24.9 | 25.3 |
| x=2H y=6H | 24.0 | 25.1 | 24.4 | 25.4 | 25.6 | 23.9 | 24.9 | 24.3 | 25.3 | 25.6 |
| x=2H y=8H | 24.2 | 25.2 | 24.6 | 25.5 | 25.8 | 24.0 | 25.0 | 24.4 | 25.4 | 25.8 |
| x=2H y=12H | 24.3 | 25.3 | 24.7 | 25.6 | 25.8 | 24.1 | 25.1 | 24.5 | 25.5 | 25.8 |
| x=4H y=2H | 22.2 | 23.3 | 22.6 | 23.6 | 23.9 | 22.2 | 23.3 | 22.5 | 23.6 | 23.9 |
| x=4H y=3H | 23.9 | 24.9 | 24.3 | 25.2 | 25.5 | 23.8 | 24.8 | 24.2 | 25.1 | 25.5 |
| x=4H y=4H | 24.6 | 25.5 | 25.1 | 25.9 | 26.2 | 24.5 | 25.3 | 24.9 | 25.7 | 26.2 |
| x=4H y=6H | 25.2 | 25.9 | 25.7 | 26.4 | 26.6 | 25.0 | 25.8 | 25.5 | 26.2 | 26.6 |
| x=4H y=8H | 25.4 | 26.1 | 25.9 | 26.5 | 26.8 | 25.2 | 25.9 | 25.7 | 26.3 | 26.8 |
| x=4H y=12H | 25.6 | 26.2 | 26.0 | 26.6 | 26.9 | 25.3 | 26.0 | 25.8 | 26.4 | 26.9 |
| x=8H y=4H | 24.9 | 25.6 | 25.4 | 26.1 | 26.4 | 24.8 | 25.5 | 25.3 | 25.9 | 26.4 |
| x=8H y=6H | 25.6 | 26.2 | 26.1 | 26.7 | 27.0 | 25.5 | 26.0 | 25.9 | 26.5 | 27.0 |
| x=8H y=8H | 25.9 | 26.4 | 26.4 | 26.9 | 27.2 | 25.7 | 26.2 | 26.2 | 26.7 | 27.2 |
| x=8H y=12H | 26.2 | 26.6 | 26.7 | 27.1 | 27.4 | 25.9 | 26.4 | 26.5 | 26.9 | 27.4 |
| x=12H y=4H | 24.9 | 25.6 | 25.4 | 26.0 | 26.4 | 24.8 | 25.5 | 25.3 | 25.9 | 26.4 |
| x=12H y=6H | 25.7 | 26.2 | 26.2 | 26.7 | 27.0 | 25.5 | 26.0 | 26.0 | 26.5 | 27.0 |
| x=12H y=8H | 26.0 | 26.5 | 26.6 | 27.0 | 27.3 | 25.8 | 26.3 | 26.4 | 26.8 | 27.3 |

Luminaire

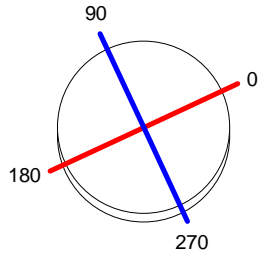
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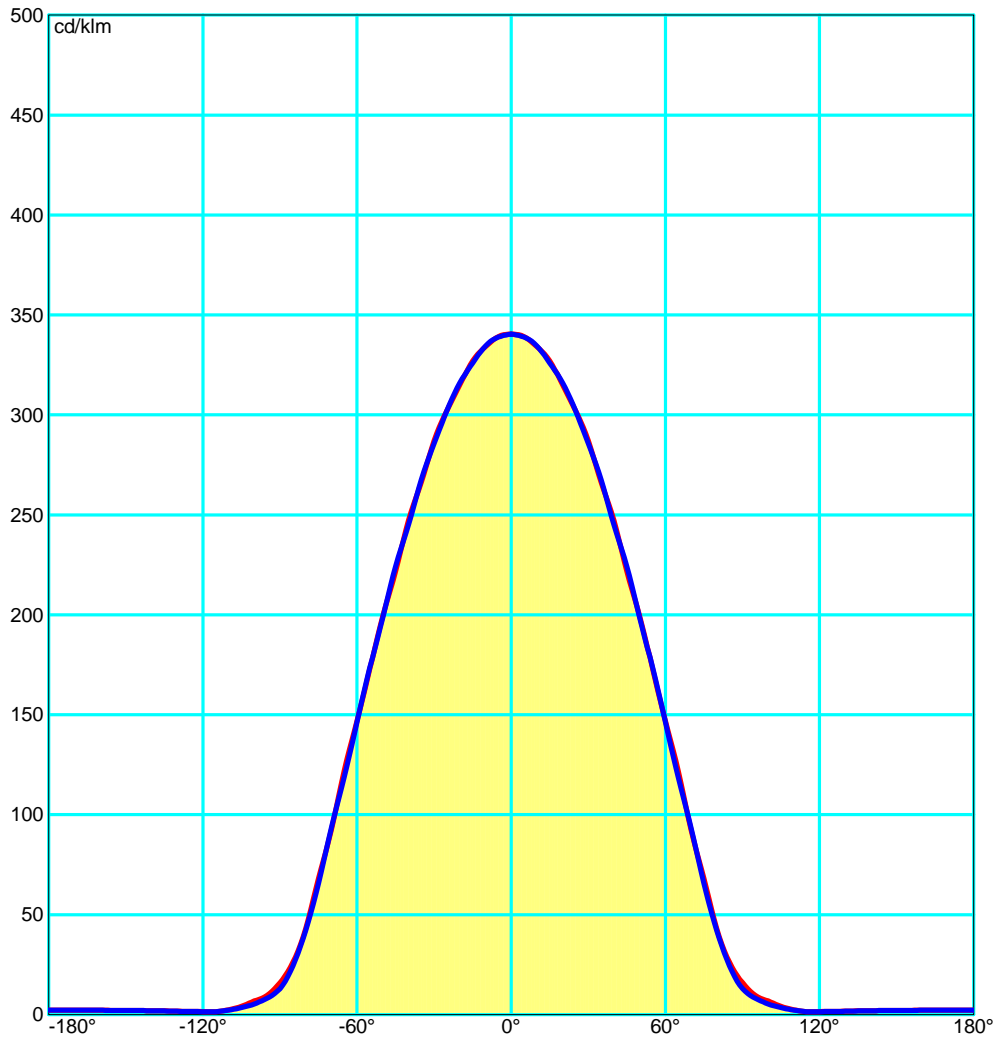
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180.0 ———— 0.0
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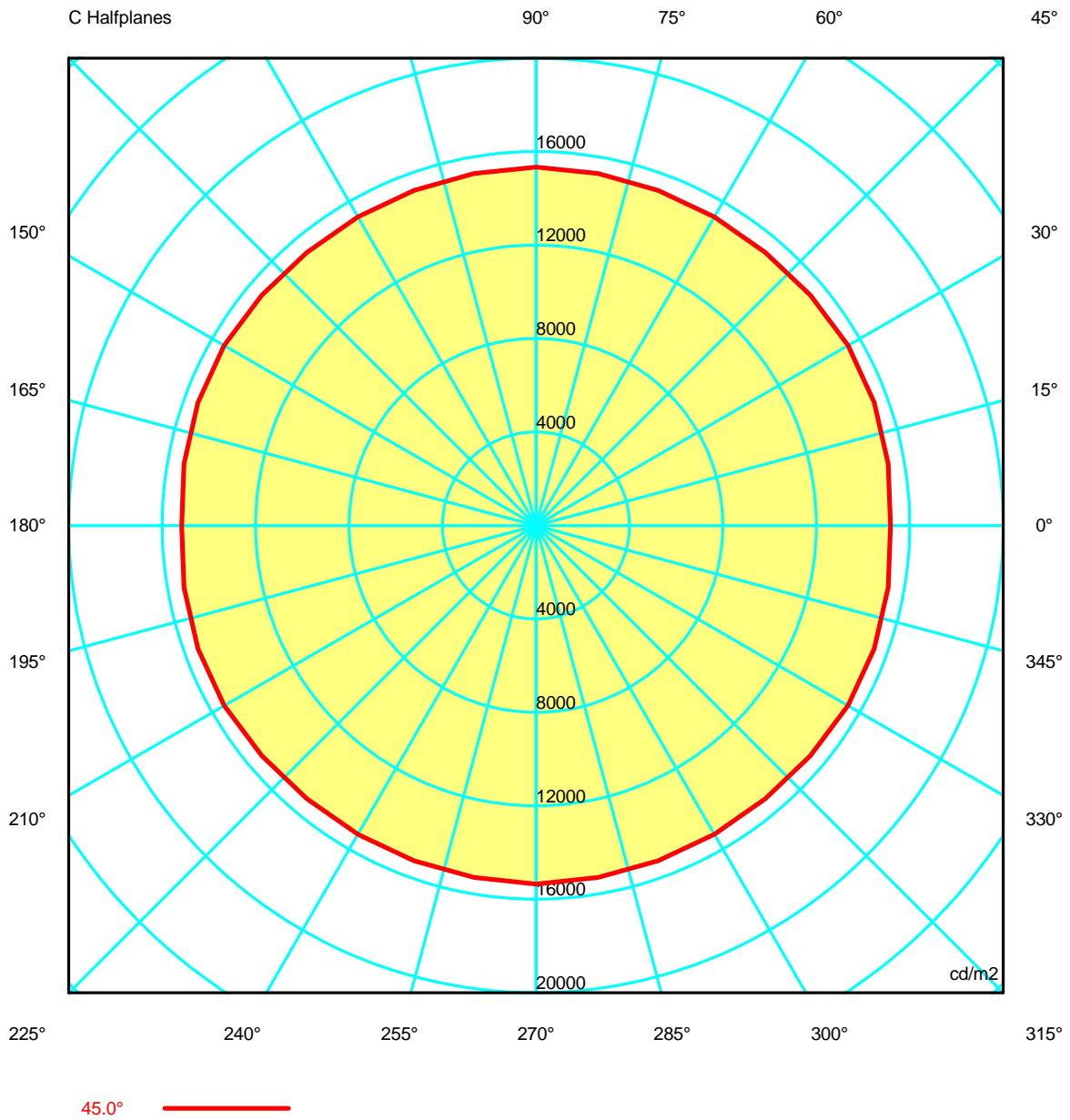
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Luminance



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Luminance cd/m2 Table 1/3

| | C 0.00 | C 10.00 | C 20.00 | C 30.00 | C 40.00 | C 50.00 | C 60.00 | C 70.00 | C 80.00 | C 90.00 | C 100.00 | C 110.00 | C 120.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 |
| G 5.0 | 18266.75 | 18255.14 | 18257.45 | 18263.83 | 18252.54 | 18246.82 | 18250.91 | 18246.30 | 18244.94 | 18252.43 | 18244.94 | 18246.30 | 18250.91 |
| G 10.0 | 18012.57 | 18012.68 | 18029.30 | 18057.23 | 18035.68 | 18013.70 | 18015.06 | 18017.80 | 18023.30 | 18033.25 | 18023.30 | 18017.80 | 18015.06 |
| G 15.0 | 17782.09 | 17763.30 | 17773.03 | 17788.72 | 17761.49 | 17742.71 | 17737.70 | 17740.29 | 17736.42 | 17726.75 | 17736.42 | 17740.29 | 17737.70 |
| G 20.0 | 17402.55 | 17453.67 | 17496.23 | 17505.33 | 17460.34 | 17420.29 | 17413.88 | 17422.19 | 17437.88 | 17457.18 | 17437.88 | 17422.19 | 17413.88 |
| G 25.0 | 17107.89 | 17108.11 | 17129.46 | 17163.13 | 17126.95 | 17080.77 | 17068.99 | 17082.53 | 17097.52 | 17104.43 | 17097.52 | 17082.53 | 17068.99 |
| G 30.0 | 16795.33 | 16714.50 | 16749.34 | 16816.84 | 16732.62 | 16697.69 | 16715.55 | 16697.96 | 16684.81 | 16709.87 | 16684.81 | 16697.96 | 16715.55 |
| G 35.0 | 16244.37 | 16251.71 | 16328.28 | 16438.52 | 16319.24 | 16270.81 | 16299.83 | 16286.59 | 16278.55 | 16320.77 | 16278.55 | 16286.59 | 16299.83 |
| G 40.0 | 15875.93 | 15769.25 | 15803.05 | 15896.46 | 15832.90 | 15803.03 | 15806.85 | 15815.34 | 15787.80 | 15733.41 | 15787.80 | 15815.34 | 15806.85 |
| G 45.0 | 15169.87 | 15306.23 | 15403.57 | 15416.68 | 15329.40 | 15261.31 | 15257.45 | 15267.86 | 15295.89 | 15341.68 | 15295.89 | 15267.86 | 15257.45 |
| G 50.0 | 14701.81 | 14709.95 | 14752.67 | 14814.86 | 14755.77 | 14650.84 | 14603.17 | 14651.89 | 14681.91 | 14647.93 | 14681.91 | 14651.89 | 14603.17 |
| G 55.0 | 13932.55 | 13957.97 | 14099.20 | 14216.35 | 14059.68 | 13968.14 | 13963.72 | 13967.80 | 13969.96 | 13982.10 | 13969.96 | 13967.80 | 13963.72 |
| G 60.0 | 13149.16 | 13170.51 | 13318.97 | 13519.67 | 13282.80 | 13162.57 | 13265.57 | 13148.70 | 13061.35 | 13092.13 | 13061.35 | 13148.70 | 13265.57 |
| G 65.0 | 12402.66 | 12191.42 | 12245.80 | 12426.77 | 12351.04 | 12247.21 | 12237.75 | 12208.26 | 12150.98 | 12082.46 | 12150.98 | 12208.26 | 12237.75 |
| G 70.0 | 10985.37 | 11114.81 | 11293.37 | 11369.68 | 11141.47 | 11010.76 | 10982.40 | 10932.72 | 10953.89 | 11094.83 | 10953.89 | 10932.72 | 10982.40 |
| G 75.0 | 9822.14 | 9846.53 | 9911.69 | 9893.94 | 9637.30 | 9488.09 | 9484.07 | 9353.42 | 9317.91 | 9463.47 | 9317.91 | 9353.42 | 9484.07 |
| G 80.0 | 7974.83 | 8110.53 | 8331.90 | 8409.40 | 8026.57 | 7739.29 | 7703.68 | 7589.63 | 7595.16 | 7793.68 | 7595.16 | 7589.63 | 7703.68 |
| G 85.0 | 6821.07 | 6888.97 | 7072.24 | 7136.08 | 6483.69 | 6246.95 | 6416.45 | 5935.95 | 5782.67 | 6352.55 | 5782.67 | 5935.95 | 6416.45 |
| G 90.0 | 7107.94 | 6901.41 | 6798.36 | 6798.77 | 6116.90 | 5928.40 | 6132.61 | 5556.80 | 5288.80 | 5787.47 | 5288.80 | 5556.80 | 6132.61 |

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Luminance cd/m2 Table 2/3

| | C 130.00 | C 140.00 | C 150.00 | C 160.00 | C 170.00 | C 180.00 | C 190.00 | C 200.00 | C 210.00 | C 220.00 | C 230.00 | C 240.00 | C 250.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 |
| G 5.0 | 18246.82 | 18252.54 | 18263.83 | 18257.45 | 18255.14 | 18266.75 | 18255.14 | 18257.45 | 18263.83 | 18252.54 | 18246.82 | 18250.91 | 18246.30 |
| G 10.0 | 18013.70 | 18035.68 | 18057.23 | 18029.30 | 18012.68 | 18012.57 | 18012.68 | 18029.30 | 18057.23 | 18035.68 | 18013.70 | 18015.06 | 18017.80 |
| G 15.0 | 17742.71 | 17761.49 | 17788.72 | 17773.03 | 17763.30 | 17782.09 | 17763.30 | 17773.03 | 17788.72 | 17761.49 | 17742.71 | 17737.70 | 17740.29 |
| G 20.0 | 17420.29 | 17460.34 | 17505.33 | 17496.23 | 17453.67 | 17402.55 | 17453.67 | 17496.23 | 17505.33 | 17460.34 | 17420.29 | 17413.88 | 17422.19 |
| G 25.0 | 17080.77 | 17126.95 | 17163.13 | 17129.46 | 17108.11 | 17107.89 | 17108.11 | 17129.46 | 17163.13 | 17126.95 | 17080.77 | 17068.99 | 17082.53 |
| G 30.0 | 16697.69 | 16732.62 | 16816.84 | 16749.34 | 16714.50 | 16795.33 | 16714.50 | 16749.34 | 16816.84 | 16732.62 | 16697.69 | 16715.55 | 16697.96 |
| G 35.0 | 16270.81 | 16319.24 | 16438.52 | 16328.28 | 16251.71 | 16244.37 | 16251.71 | 16328.28 | 16438.52 | 16319.24 | 16270.81 | 16299.83 | 16286.59 |
| G 40.0 | 15803.03 | 15832.90 | 15896.46 | 15803.05 | 15769.25 | 15875.93 | 15769.25 | 15803.05 | 15896.46 | 15832.90 | 15803.03 | 15806.85 | 15815.34 |
| G 45.0 | 15261.31 | 15329.40 | 15416.68 | 15403.57 | 15306.23 | 15169.87 | 15306.23 | 15403.57 | 15416.68 | 15329.40 | 15261.31 | 15257.45 | 15267.86 |
| G 50.0 | 14650.84 | 14755.77 | 14814.86 | 14752.67 | 14709.95 | 14701.81 | 14709.95 | 14752.67 | 14814.86 | 14755.77 | 14650.84 | 14603.17 | 14651.89 |
| G 55.0 | 13968.14 | 14059.68 | 14216.35 | 14099.20 | 13957.97 | 13932.55 | 13957.97 | 14099.20 | 14216.35 | 14059.68 | 13968.14 | 13963.72 | 13967.80 |
| G 60.0 | 13162.57 | 13282.80 | 13519.67 | 13318.97 | 13170.51 | 13149.16 | 13170.51 | 13318.97 | 13519.67 | 13282.80 | 13162.57 | 13265.57 | 13148.70 |
| G 65.0 | 12247.21 | 12351.04 | 12426.77 | 12245.80 | 12191.42 | 12402.66 | 12191.42 | 12245.80 | 12426.77 | 12351.04 | 12247.21 | 12237.75 | 12208.26 |
| G 70.0 | 11010.76 | 11141.47 | 11369.68 | 11293.37 | 11114.81 | 10985.37 | 11114.81 | 11293.37 | 11369.68 | 11141.47 | 11010.76 | 10982.40 | 10932.72 |
| G 75.0 | 9488.09 | 9637.30 | 9893.94 | 9911.69 | 9846.53 | 9822.14 | 9846.53 | 9911.69 | 9893.94 | 9637.30 | 9488.09 | 9484.07 | 9353.42 |
| G 80.0 | 7739.29 | 8026.57 | 8409.40 | 8331.90 | 8110.53 | 7974.83 | 8110.53 | 8331.90 | 8409.40 | 8026.57 | 7739.29 | 7703.68 | 7589.63 |
| G 85.0 | 6246.95 | 6483.69 | 7136.08 | 7072.24 | 6888.97 | 6821.07 | 6888.97 | 7072.24 | 7136.08 | 6483.69 | 6246.95 | 6416.45 | 5935.95 |
| G 90.0 | 5928.40 | 6116.90 | 6798.77 | 6798.36 | 6901.41 | 7107.94 | 6901.41 | 6798.36 | 6798.77 | 6116.90 | 5928.40 | 6132.61 | 5556.80 |

Luminaire

Code 55-9733-05-M1
 Name Pie INVISIBLE 9W warm white

Measur.

Code 25-9733-05-M1
 Name Pie INVISIBLE 9W warm white

| | | | | | | | |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 469.48 lm | Luminaire Power | 9.00 W | Efficacy | 52.16 lm/W | Efficiency | 100.00% |
| Lamps Flux | 469.49 lm | Maximum value | 340.39 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Luminance cd/m2 Table 3/3

| | C 260.00 | C 270.00 | C 280.00 | C 290.00 | C 300.00 | C 310.00 | C 320.00 | C 330.00 | C 340.00 | C 350.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 | 18455.91 |
| G 5.0 | 18244.94 | 18252.43 | 18244.94 | 18246.30 | 18250.91 | 18246.82 | 18252.54 | 18263.83 | 18257.45 | 18255.14 |
| G 10.0 | 18023.30 | 18033.25 | 18023.30 | 18017.80 | 18015.06 | 18013.70 | 18035.68 | 18057.23 | 18029.30 | 18012.68 |
| G 15.0 | 17736.42 | 17726.75 | 17736.42 | 17740.29 | 17737.70 | 17742.71 | 17761.49 | 17788.72 | 17773.03 | 17763.30 |
| G 20.0 | 17437.88 | 17457.18 | 17437.88 | 17422.19 | 17413.88 | 17420.29 | 17460.34 | 17505.33 | 17496.23 | 17453.67 |
| G 25.0 | 17097.52 | 17104.43 | 17097.52 | 17082.53 | 17068.99 | 17080.77 | 17126.95 | 17163.13 | 17129.46 | 17108.11 |
| G 30.0 | 16684.81 | 16709.87 | 16684.81 | 16697.96 | 16715.55 | 16697.69 | 16732.62 | 16816.84 | 16749.34 | 16714.50 |
| G 35.0 | 16278.55 | 16320.77 | 16278.55 | 16286.59 | 16299.83 | 16270.81 | 16319.24 | 16438.52 | 16328.28 | 16251.71 |
| G 40.0 | 15787.80 | 15733.41 | 15787.80 | 15815.34 | 15806.85 | 15803.03 | 15832.90 | 15896.46 | 15803.05 | 15769.25 |
| G 45.0 | 15295.89 | 15341.68 | 15295.89 | 15267.86 | 15257.45 | 15261.31 | 15329.40 | 15416.68 | 15403.57 | 15306.23 |
| G 50.0 | 14681.91 | 14647.93 | 14681.91 | 14651.89 | 14603.17 | 14650.84 | 14755.77 | 14814.86 | 14752.67 | 14709.95 |
| G 55.0 | 13969.96 | 13982.10 | 13969.96 | 13967.80 | 13963.72 | 13968.14 | 14059.68 | 14216.35 | 14099.20 | 13957.97 |
| G 60.0 | 13061.35 | 13092.13 | 13061.35 | 13148.70 | 13265.57 | 13162.57 | 13282.80 | 13519.67 | 13318.97 | 13170.51 |
| G 65.0 | 12150.98 | 12082.46 | 12150.98 | 12208.26 | 12237.75 | 12247.21 | 12351.04 | 12426.77 | 12245.80 | 12191.42 |
| G 70.0 | 10953.89 | 11094.83 | 10953.89 | 10932.72 | 10982.40 | 11010.76 | 11141.47 | 11369.68 | 11293.37 | 11114.81 |
| G 75.0 | 9317.91 | 9463.47 | 9317.91 | 9353.42 | 9484.07 | 9488.09 | 9637.30 | 9893.94 | 9911.69 | 9846.53 |
| G 80.0 | 7595.16 | 7793.68 | 7595.16 | 7589.63 | 7703.68 | 7739.29 | 8026.57 | 8409.40 | 8331.90 | 8110.53 |
| G 85.0 | 5782.67 | 6352.55 | 5782.67 | 5935.95 | 6416.45 | 6246.95 | 6483.69 | 7136.08 | 7072.24 | 6888.97 |
| G 90.0 | 5288.80 | 5787.47 | 5288.80 | 5556.80 | 6132.61 | 5928.40 | 6116.90 | 6798.77 | 6798.36 | 6901.41 |

Luminaire

Code 55-9733-05-M1
 Name Pie INVISIBLE 9W warm white

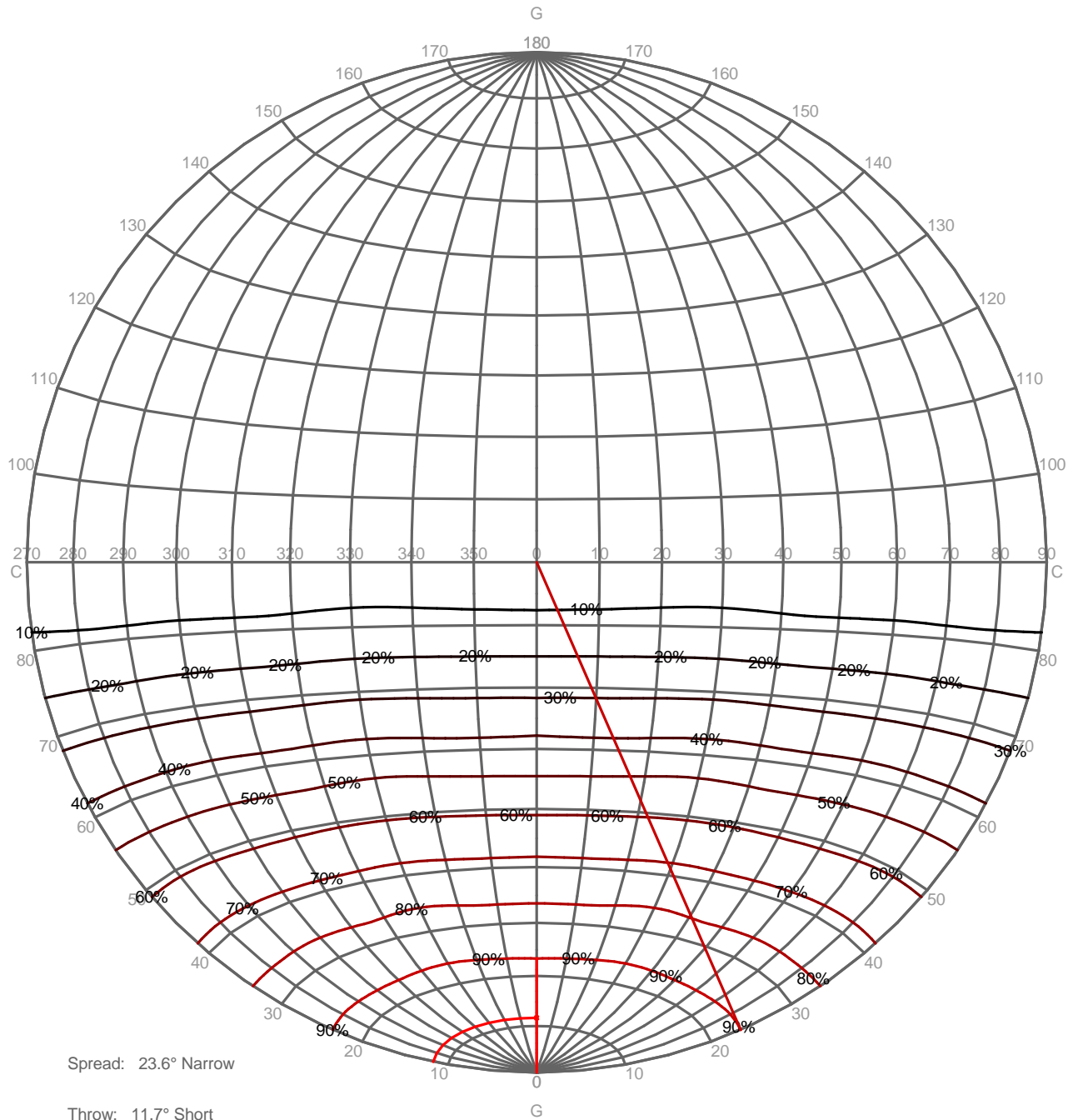
Measur.

Code 25-9733-05-M1
 Name Pie INVISIBLE 9W warm white

| | | | | | | | |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 469.48 lm | Luminaire Power | 9.00 W | Efficacy | 52.16 lm/W | Efficiency | 100.00% |
| Lamps Flux | 469.49 lm | Maximum value | 340.39 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI (glare) 7.0 Tight Tilting Angle:0°



Luminaire

Code 55-9733-05-M1
 Name Pie INVISIBLE 9W warm white

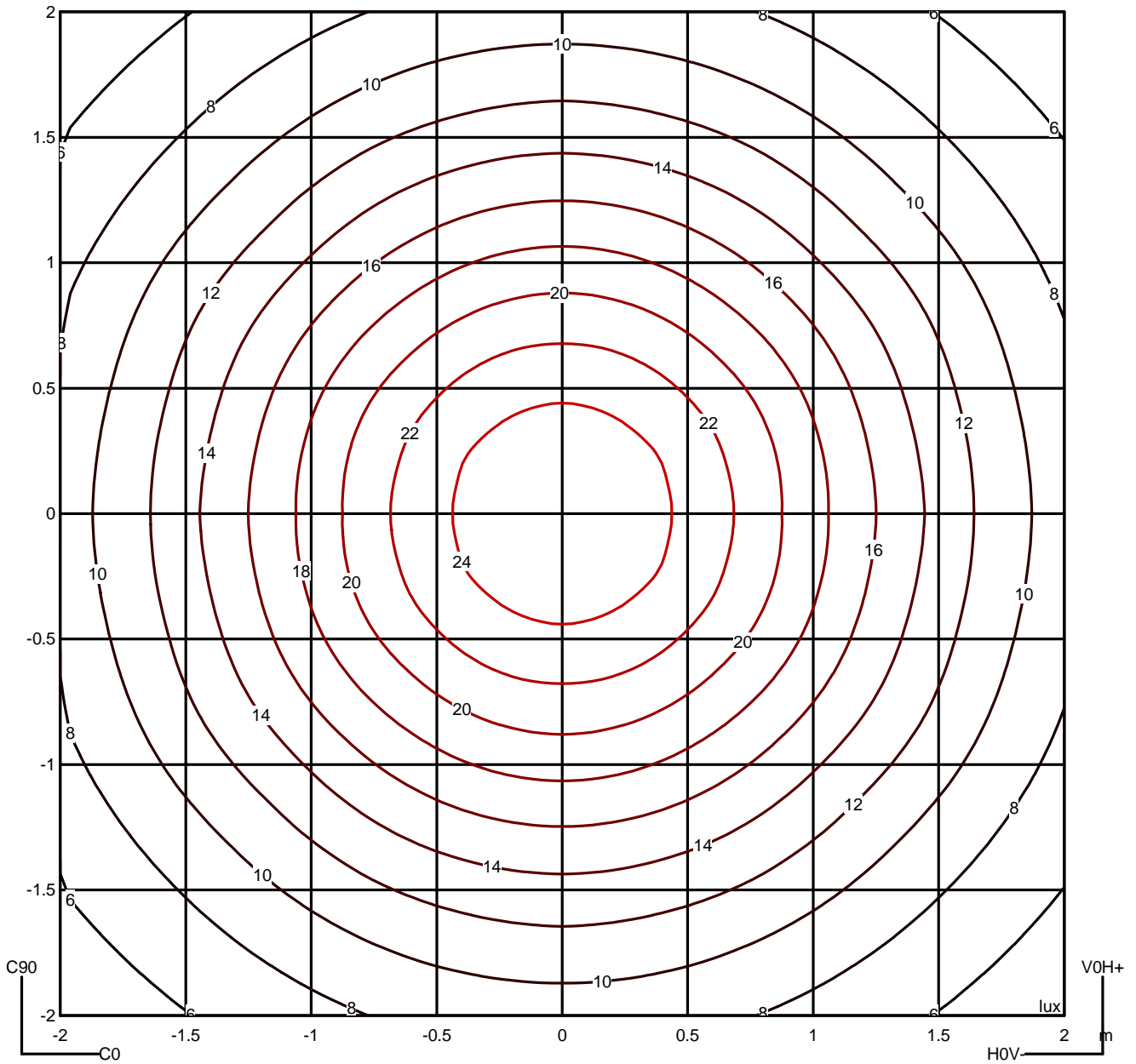
Measur.

Code 25-9733-05-M1
 Name Pie INVISIBLE 9W warm white

| | | | | | | | |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 469.48 lm | Luminaire Power | 9.00 W | Efficacy | 52.16 lm/W | Efficiency | 100.00% |
| Lamps Flux | 469.49 lm | Maximum value | 340.39 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire

Code 55-9733-05-M1
 Name Pie INVISIBLE 9W warm white

Measurment.

Code 25-9733-05-M1
 Name Pie INVISIBLE 9W warm white

| | | | | | | | |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 469.48 lm | Luminaire Power | 9.00 W | Efficacy | 52.16 lm/W | Efficiency | 100.00% |
| Lamps Flux | 469.49 lm | Maximum value | 340.39 cd/klm | Position | C=0.00 G=0.00 | CG | Double Symmetrical |

| | Average Luminance [cd/m ²] | | | | | | | | | |
|-------|--|-------|-------|-------|-------|-------|------|------|------|-----|
| | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | |
| 0.0° | 15170 | 14702 | 13933 | 13149 | 12403 | 10985 | 9822 | 7975 | 6821 | --- |
| 90.0° | 15342 | 14648 | 13982 | 13092 | 12082 | 11095 | 9463 | 7794 | 6353 | --- |

| Flush mounted or longitudinal view | | | | | | | | | | | | |
|------------------------------------|---|------------------|------|------|------|-----|------|------|------|------|------|------|
| | | Illumination(Ix) | | | | | | | | | | |
| A | A | 2000 | 1000 | 750 | 500 | | <300 | | | | 1.15 | |
| B | 1 | | 2000 | 1500 | 1000 | 750 | 500 | <300 | | | 1.5 | |
| C | | | | | 2000 | | 1000 | 500 | <300 | | 1.85 | |
| D | 2 | | | | | | 2000 | 1000 | 500 | <300 | 2.2 | |
| E | 3 | | | | | | | 2000 | 1000 | 500 | <300 | 2.55 |

