



Luminaire Property

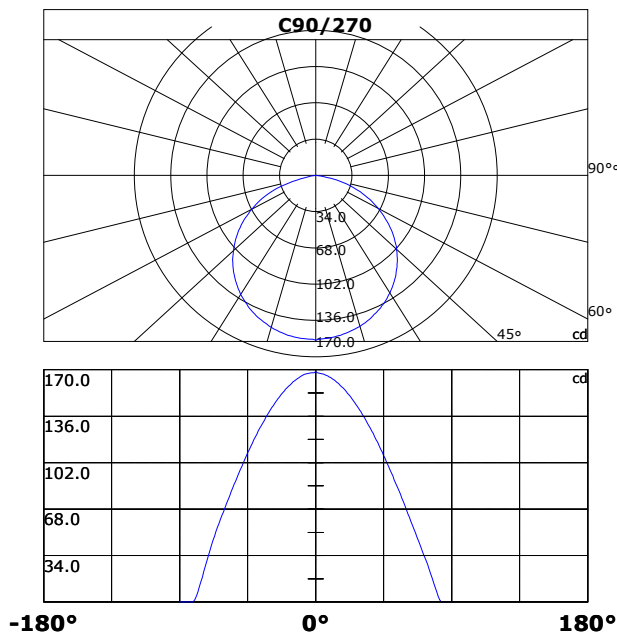
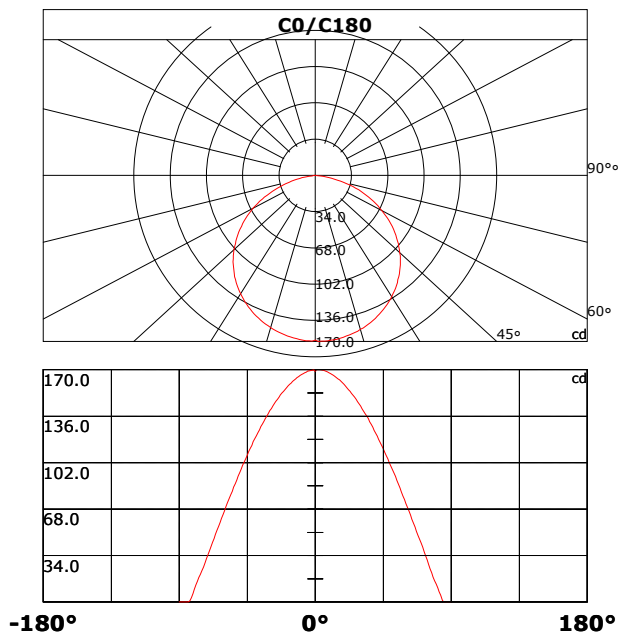
Luminaire Description: B1150CCT_BN
 Luminaire Categorie: DOWNLIGHT CCT 7W
 Lamp Categorie: LED
 Lamp Description: BLANCO NEUTRO 4000K
 Number of Lamp: 1
 Lamp Lumens(lm): NA
 Luminous Length(m): 0.085
 Luminous Width(m): 0.085
 Luminous Height(m): 0.004

Voltage: 230.6 V
 Current: 0.05 A
 Power: 6.7 W
 Power Factor: 0.580
 Test Lab: BLED
 Photometric Type: Type C
 Manufactory: BLED

Photometric Results

CIE Class: Direct
 Luminaire Lumens: 629.27 lm
 Efficiency: 93.9209 lm/W
 Central Intensity: 168.613cd
 Max. Intensity: 170.012cd
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:1.0
 Beam Angle(50%Imax): L: -54.7 R:54.5
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: NA
 Downward Ratio: NA
 Beamwidth(50%Imax): H=111.01V=109.64





Light intensity data Unit[cd]

| | | | | | | | | | | |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| C\G | G0.0 | G1.0 | G2.0 | G3.0 | G4.0 | G5.0 | G6.0 | G7.0 | G8.0 | G9.0 |
| C0.0 | 168.6 | 170.0 | 170.0 | 170.0 | 169.8 | 169.6 | 169.4 | 169.0 | 168.5 | 167.9 |
| C45.0 | 168.6 | 167.0 | 167.0 | 167.1 | 167.0 | 166.8 | 166.6 | 166.3 | 166.0 | 165.7 |
| C90.0 | 168.6 | 167.9 | 167.6 | 167.4 | 167.2 | 166.8 | 166.3 | 165.9 | 165.4 | 164.7 |
| C135.0 | 168.6 | 168.8 | 168.7 | 168.2 | 167.9 | 167.4 | 166.9 | 166.3 | 165.7 | 164.9 |
| C180.0 | 168.6 | 169.9 | 169.6 | 169.5 | 169.1 | 168.8 | 168.2 | 167.7 | 167.2 | 166.6 |
| C225.0 | 168.6 | 166.8 | 166.5 | 166.2 | 165.9 | 165.4 | 164.9 | 164.3 | 163.7 | 163.1 |
| C270.0 | 168.6 | 167.9 | 167.8 | 167.7 | 167.5 | 167.4 | 167.1 | 166.9 | 166.3 | 165.7 |
| C315.0 | 168.6 | 169.2 | 169.1 | 169.3 | 169.1 | 169.0 | 168.8 | 168.5 | 168.1 | 167.8 |
| C360.0 | 168.6 | 170.0 | 170.0 | 170.0 | 169.8 | 169.6 | 169.4 | 169.0 | 168.5 | 167.9 |
| | | | | | | | | | | |
| C\G | G10.0 | G11.0 | G12.0 | G13.0 | G14.0 | G15.0 | G16.0 | G17.0 | G18.0 | G19.0 |
| C0.0 | 167.3 | 166.6 | 165.9 | 165.1 | 164.4 | 163.4 | 162.6 | 161.5 | 160.4 | 159.3 |
| C45.0 | 165.2 | 164.7 | 164.1 | 163.5 | 162.8 | 162.1 | 161.2 | 160.3 | 159.4 | 158.5 |
| C90.0 | 164.2 | 163.4 | 162.7 | 161.8 | 160.8 | 160.0 | 158.9 | 157.9 | 156.7 | 155.6 |
| C135.0 | 164.2 | 163.4 | 162.7 | 161.7 | 160.6 | 159.6 | 158.5 | 157.4 | 156.1 | 154.7 |
| C180.0 | 165.9 | 165.1 | 164.4 | 163.4 | 162.5 | 161.5 | 160.4 | 159.4 | 158.2 | 156.9 |
| C225.0 | 162.4 | 161.6 | 160.7 | 159.8 | 159.0 | 157.9 | 156.8 | 155.7 | 154.5 | 153.3 |
| C270.0 | 165.1 | 164.4 | 163.7 | 162.8 | 162.0 | 161.1 | 160.1 | 158.9 | 157.9 | 156.7 |
| C315.0 | 167.3 | 166.9 | 166.2 | 165.6 | 164.8 | 164.1 | 163.4 | 162.5 | 161.5 | 160.5 |
| C360.0 | 167.3 | 166.6 | 165.9 | 165.1 | 164.4 | 163.4 | 162.6 | 161.5 | 160.4 | 159.3 |
| | | | | | | | | | | |
| C\G | G20.0 | G21.0 | G22.0 | G23.0 | G24.0 | G25.0 | G26.0 | G27.0 | G28.0 | G29.0 |
| C0.0 | 158.1 | 156.9 | 155.5 | 154.2 | 152.8 | 151.4 | 150.0 | 148.3 | 146.8 | 145.2 |
| C45.0 | 157.4 | 156.3 | 155.1 | 153.9 | 152.7 | 151.3 | 150.0 | 148.5 | 147.1 | 145.6 |
| C90.0 | 154.2 | 152.9 | 151.6 | 150.2 | 148.8 | 147.2 | 145.7 | 144.1 | 142.4 | 140.5 |
| C135.0 | 153.4 | 152.2 | 150.7 | 149.0 | 147.5 | 146.1 | 144.4 | 142.7 | 140.9 | 139.0 |
| C180.0 | 155.6 | 154.3 | 153.1 | 151.6 | 150.0 | 148.5 | 146.9 | 145.5 | 143.6 | 141.6 |
| C225.0 | 152.0 | 150.6 | 149.1 | 147.8 | 146.3 | 144.7 | 143.1 | 141.4 | 139.8 | 138.1 |
| C270.0 | 155.6 | 154.3 | 153.0 | 151.7 | 150.3 | 148.8 | 147.1 | 145.6 | 144.0 | 142.5 |
| C315.0 | 159.5 | 158.4 | 157.2 | 155.9 | 154.6 | 153.4 | 152.0 | 150.3 | 149.0 | 147.4 |
| C360.0 | 158.1 | 156.9 | 155.5 | 154.2 | 152.8 | 151.4 | 150.0 | 148.3 | 146.8 | 145.2 |
| | | | | | | | | | | |
| C\G | G30.0 | G31.0 | G32.0 | G33.0 | G34.0 | G35.0 | G36.0 | G37.0 | G38.0 | G39.0 |
| C0.0 | 143.4 | 141.6 | 139.8 | 137.9 | 136.1 | 134.2 | 131.9 | 130.0 | 128.0 | 125.8 |
| C45.0 | 143.9 | 142.4 | 140.8 | 139.0 | 137.0 | 135.4 | 133.4 | 131.6 | 129.7 | 127.5 |
| C90.0 | 139.0 | 137.1 | 135.4 | 133.4 | 131.4 | 129.4 | 127.5 | 125.3 | 123.2 | 121.0 |
| C135.0 | 137.3 | 135.3 | 133.6 | 131.4 | 129.3 | 127.5 | 125.3 | 123.0 | 120.8 | 118.6 |
| C180.0 | 140.1 | 138.2 | 136.3 | 134.3 | 132.4 | 130.4 | 128.5 | 126.0 | 123.9 | 121.8 |
| C225.0 | 136.2 | 134.2 | 132.3 | 130.4 | 128.4 | 126.3 | 124.2 | 121.9 | 119.9 | 117.6 |
| C270.0 | 140.6 | 138.9 | 137.0 | 135.2 | 133.1 | 131.3 | 129.2 | 127.3 | 125.2 | 122.8 |
| C315.0 | 145.8 | 144.1 | 142.3 | 140.7 | 138.9 | 137.0 | 135.0 | 133.1 | 131.1 | 129.2 |
| C360.0 | 143.4 | 141.6 | 139.8 | 137.9 | 136.1 | 134.2 | 131.9 | 130.0 | 128.0 | 125.8 |



Light intensity data Unit[cd]

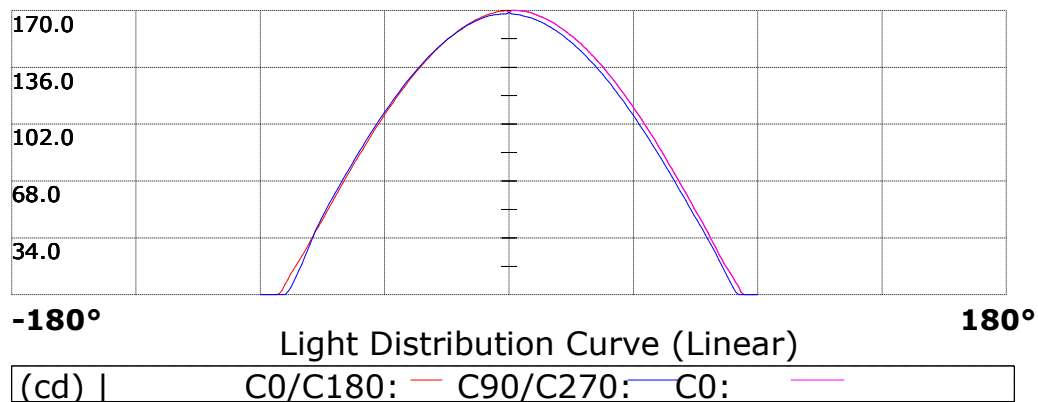
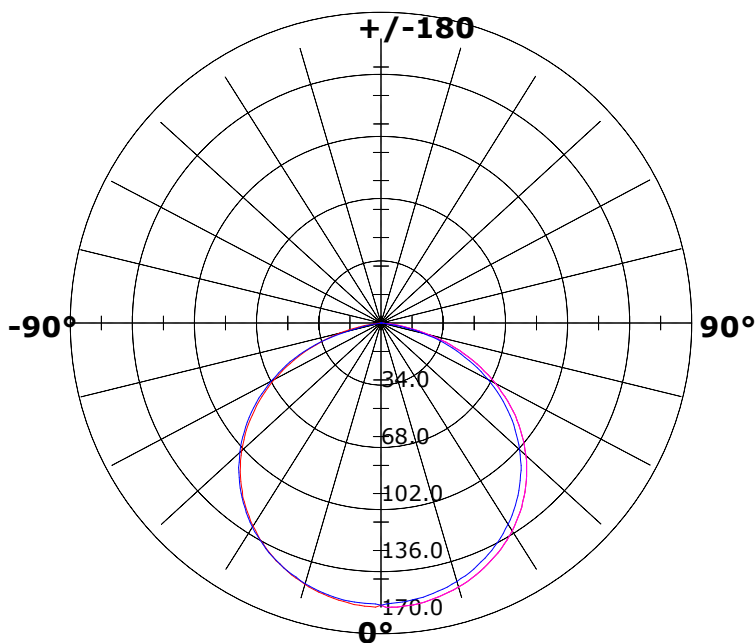
| | | | | | | | | | | |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| C\G | G40.0 | G41.0 | G42.0 | G43.0 | G44.0 | G45.0 | G46.0 | G47.0 | G48.0 | G49.0 |
| C0.0 | 123.5 | 121.3 | 119.1 | 116.8 | 114.5 | 112.0 | 109.6 | 107.2 | 104.8 | 102.1 |
| C45.0 | 125.4 | 123.5 | 121.3 | 119.1 | 116.7 | 114.8 | 112.2 | 110.1 | 107.4 | 105.1 |
| C90.0 | 118.7 | 116.7 | 114.4 | 111.8 | 109.6 | 107.2 | 104.9 | 102.0 | 99.7 | 97.2 |
| C135.0 | 116.4 | 114.1 | 111.4 | 109.3 | 106.7 | 104.5 | 101.6 | 99.4 | 96.6 | 94.1 |
| C180.0 | 119.5 | 117.4 | 114.7 | 112.6 | 110.1 | 107.6 | 105.1 | 102.4 | 100.1 | 97.5 |
| C225.0 | 115.4 | 113.0 | 110.9 | 108.3 | 105.9 | 103.3 | 100.7 | 98.0 | 95.1 | 92.1 |
| C270.0 | 120.7 | 118.5 | 116.3 | 113.8 | 111.4 | 109.1 | 106.8 | 104.2 | 101.7 | 99.2 |
| C315.0 | 126.8 | 124.8 | 122.6 | 120.5 | 118.3 | 115.8 | 113.4 | 110.9 | 108.6 | 105.5 |
| C360.0 | 123.5 | 121.3 | 119.1 | 116.8 | 114.5 | 112.0 | 109.6 | 107.2 | 104.8 | 102.1 |
| | | | | | | | | | | |
| C\G | G50.0 | G51.0 | G52.0 | G53.0 | G54.0 | G55.0 | G56.0 | G57.0 | G58.0 | G59.0 |
| C0.0 | 99.6 | 97.1 | 94.5 | 91.9 | 89.1 | 86.3 | 83.5 | 80.7 | 77.6 | 75.0 |
| C45.0 | 102.7 | 100.3 | 97.6 | 95.0 | 92.6 | 89.9 | 87.4 | 84.5 | 81.7 | 79.2 |
| C90.0 | 94.7 | 92.4 | 89.4 | 86.7 | 84.2 | 81.5 | 78.7 | 75.9 | 73.3 | 70.4 |
| C135.0 | 91.5 | 88.7 | 86.1 | 83.3 | 80.8 | 77.8 | 75.1 | 72.4 | 69.4 | 66.8 |
| C180.0 | 94.7 | 92.2 | 89.4 | 86.6 | 84.2 | 81.2 | 78.5 | 75.7 | 72.9 | 70.0 |
| C225.0 | 89.1 | 85.9 | 82.3 | 79.8 | 77.4 | 75.0 | 72.2 | 69.0 | 65.9 | 62.5 |
| C270.0 | 96.7 | 94.1 | 91.6 | 88.7 | 86.2 | 83.2 | 80.5 | 77.6 | 74.8 | 72.0 |
| C315.0 | 102.8 | 99.8 | 96.7 | 93.6 | 91.0 | 88.6 | 86.2 | 83.5 | 80.3 | 77.1 |
| C360.0 | 99.6 | 97.1 | 94.5 | 91.9 | 89.1 | 86.3 | 83.5 | 80.7 | 77.6 | 75.0 |
| | | | | | | | | | | |
| C\G | G60.0 | G61.0 | G62.0 | G63.0 | G64.0 | G65.0 | G66.0 | G67.0 | G68.0 | G69.0 |
| C0.0 | 72.2 | 69.4 | 66.6 | 63.5 | 60.7 | 57.8 | 54.9 | 51.8 | 48.9 | 46.1 |
| C45.0 | 76.4 | 73.5 | 70.6 | 67.9 | 65.4 | 62.1 | 59.4 | 56.4 | 53.8 | 50.7 |
| C90.0 | 67.9 | 64.5 | 61.9 | 59.2 | 56.3 | 53.4 | 50.5 | 47.6 | 44.9 | 41.8 |
| C135.0 | 63.7 | 61.0 | 58.1 | 55.3 | 52.3 | 49.2 | 46.6 | 43.5 | 40.5 | 37.7 |
| C180.0 | 67.1 | 64.1 | 61.2 | 58.5 | 55.3 | 52.6 | 49.5 | 46.5 | 43.6 | 40.5 |
| C225.0 | 59.9 | 57.1 | 54.2 | 51.1 | 48.0 | 45.3 | 42.0 | 39.0 | 36.3 | 33.1 |
| C270.0 | 69.3 | 66.2 | 63.4 | 60.6 | 57.7 | 54.8 | 51.6 | 48.5 | 45.3 | 41.5 |
| C315.0 | 74.2 | 71.8 | 69.0 | 65.8 | 63.1 | 60.2 | 57.3 | 54.1 | 51.3 | 48.6 |
| C360.0 | 72.2 | 69.4 | 66.6 | 63.5 | 60.7 | 57.8 | 54.9 | 51.8 | 48.9 | 46.1 |
| | | | | | | | | | | |
| C\G | G70.0 | G71.0 | G72.0 | G73.0 | G74.0 | G75.0 | G76.0 | G77.0 | G78.0 | G79.0 |
| C0.0 | 43.2 | 40.1 | 37.3 | 33.9 | 30.6 | 27.6 | 24.3 | 21.3 | 18.3 | 15.7 |
| C45.0 | 48.0 | 45.1 | 41.8 | 39.2 | 36.0 | 33.3 | 30.3 | 27.4 | 24.4 | 21.5 |
| C90.0 | 39.1 | 36.1 | 33.1 | 30.4 | 27.3 | 24.1 | 20.7 | 17.5 | 14.4 | 11.0 |
| C135.0 | 34.7 | 31.7 | 28.9 | 25.9 | 23.0 | 20.6 | 17.9 | 15.2 | 12.6 | 10.1 |
| C180.0 | 37.7 | 34.7 | 31.7 | 28.9 | 25.7 | 23.2 | 20.3 | 17.8 | 15.2 | 12.4 |
| C225.0 | 30.4 | 27.3 | 24.4 | 21.1 | 17.8 | 14.2 | 11.0 | 7.6 | 4.7 | 2.0 |
| C270.0 | 38.2 | 34.4 | 30.3 | 26.3 | 22.3 | 18.3 | 14.8 | 11.0 | 7.7 | 4.3 |
| C315.0 | 45.5 | 42.6 | 39.8 | 36.7 | 33.7 | 30.5 | 26.9 | 23.3 | 19.6 | 16.0 |
| C360.0 | 43.2 | 40.1 | 37.3 | 33.9 | 30.6 | 27.6 | 24.3 | 21.3 | 18.3 | 15.7 |

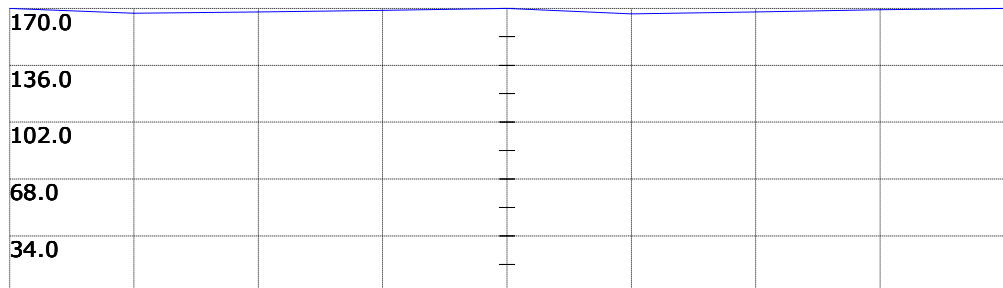
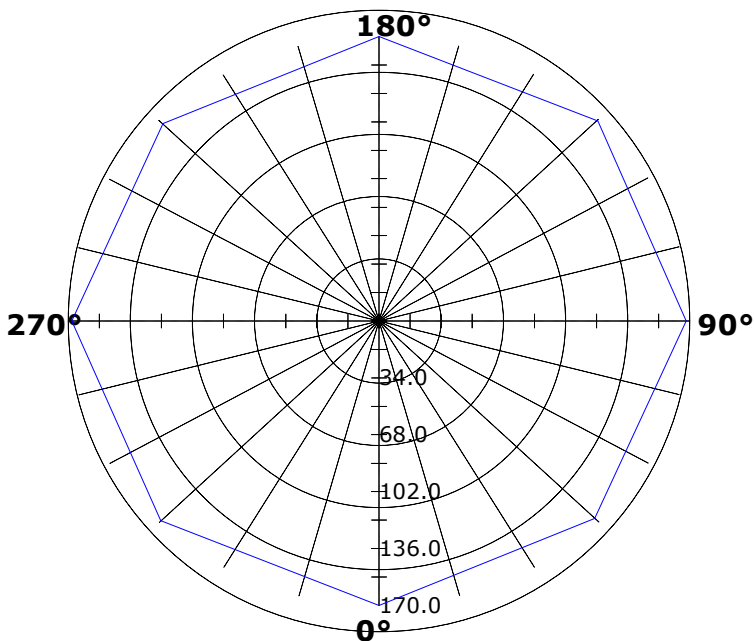


Light intensity data Unit[cd]

| C\G | G80.0 | G81.0 | G82.0 | G83.0 | G84.0 | G85.0 | G86.0 | G87.0 | G88.0 | G89.0 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C0.0 | 13.2 | 10.4 | 7.6 | 5.1 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C45.0 | 18.2 | 15.1 | 12.0 | 9.1 | 5.7 | 3.0 | 0.9 | 0.0 | 0.0 | 0.0 |
| C90.0 | 7.6 | 4.6 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C135.0 | 7.6 | 5.0 | 2.6 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C180.0 | 9.2 | 6.1 | 3.1 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C225.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C270.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C315.0 | 12.1 | 6.2 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C360.0 | 13.2 | 10.4 | 7.6 | 5.1 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | | | |
| C\G | G90.0 | | | | | | | | | |
| C0.0 | 0.0 | | | | | | | | | |
| C45.0 | 0.0 | | | | | | | | | |
| C90.0 | 0.0 | | | | | | | | | |
| C135.0 | 0.0 | | | | | | | | | |
| C180.0 | 0.0 | | | | | | | | | |
| C225.0 | 0.0 | | | | | | | | | |
| C270.0 | 0.0 | | | | | | | | | |
| C315.0 | 0.0 | | | | | | | | | |
| C360.0 | 0.0 | | | | | | | | | |

Light Distribution Curve [Unit: cd]

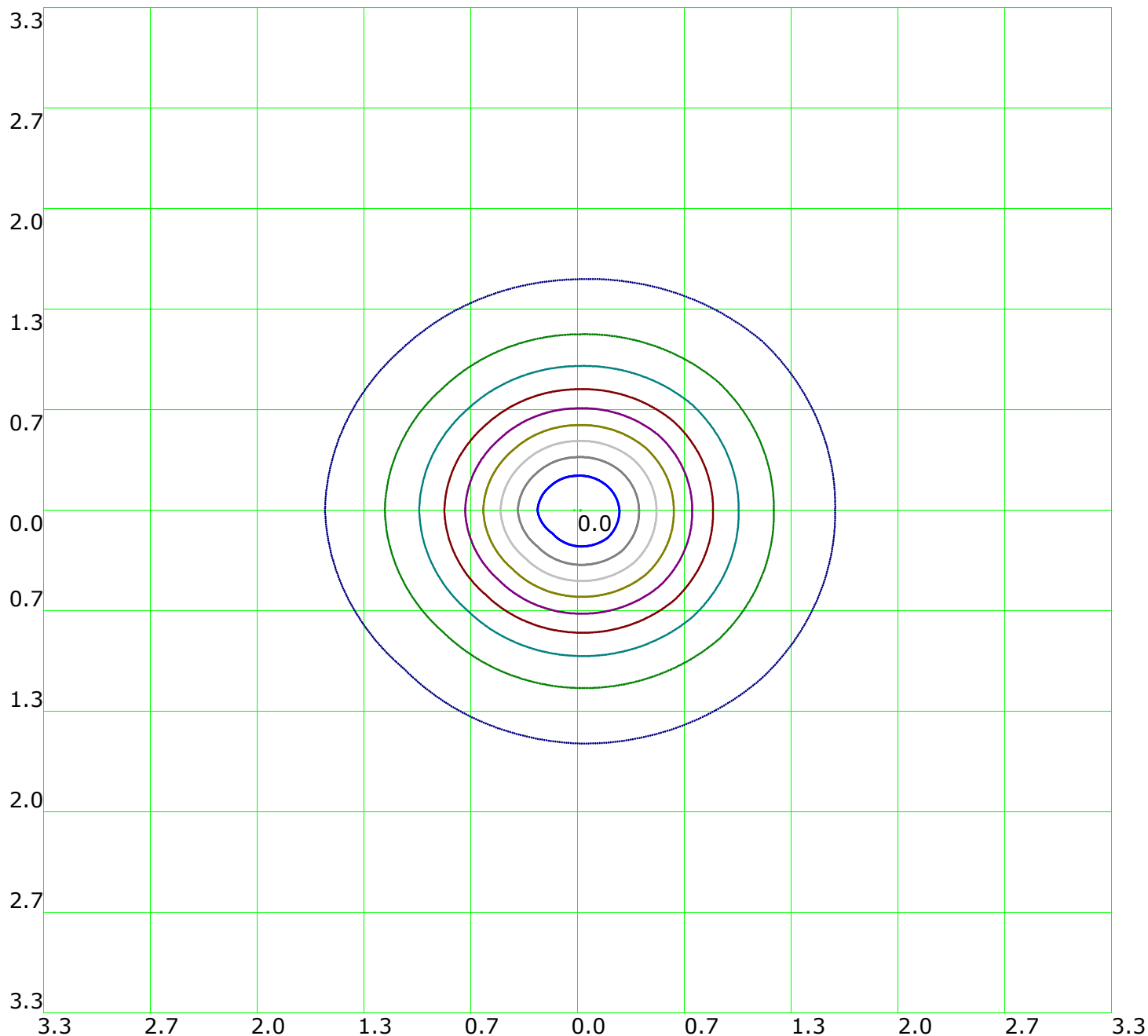




-180° Light Distribution Curve (Linear) **180°**
 (cd) | ?1: —



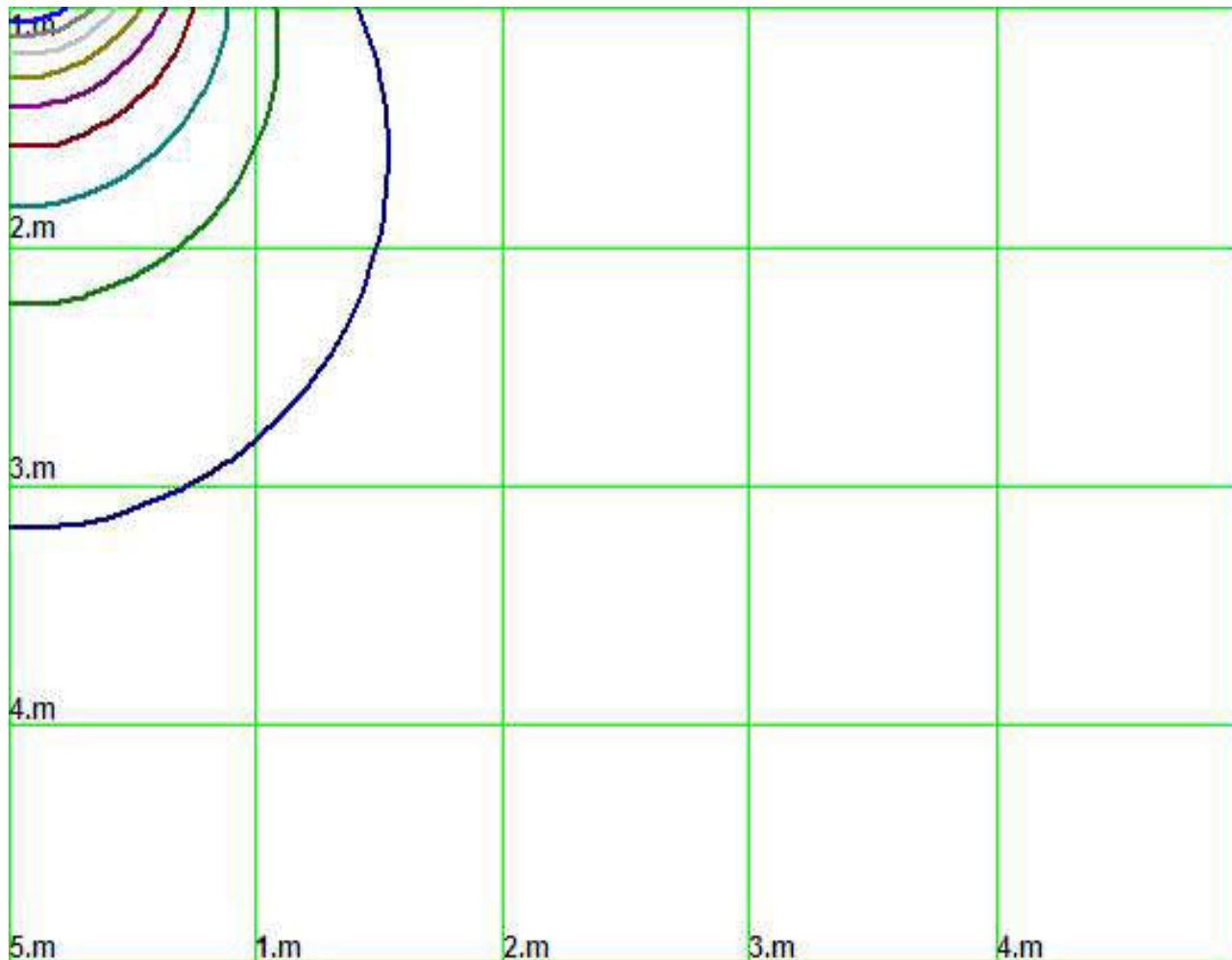
Isolx curve



Height: 1 m

- (10%): 17.lx
- (20%): 34.lx
- (30%): 51.lx
- (40%): 68.lx
- (50%): 85.lx
- (60%): 102.lx
- (70%): 119.lx
- (80%): 136.lx
- (90%): 153.lx
- (100%): 169.8lx

Space Isolx Curve



| | | | |
|-----------------|-------------------|-----------------|-----------------|
| — (10%): 17.lx | — (20%): 34.lx | — (30%): 51.lx | — (40%): 68.lx |
| — (50%): 85.lx | — (60%): 102.lx | — (70%): 119.lx | — (80%): 136.lx |
| — (90%): 153.lx | — (100%): 169.8lx | | |



Luminance Limiting Curve

Diameter: 85mm

Length: 85mm

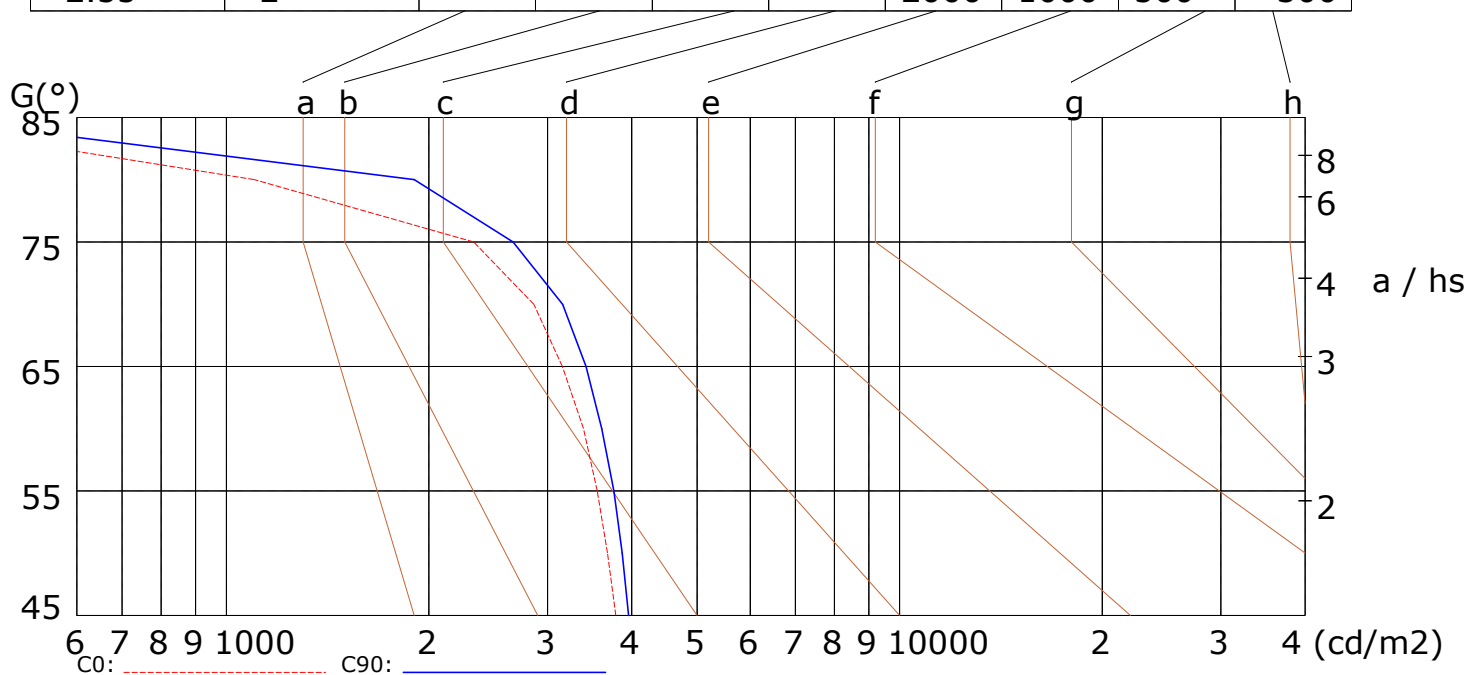
Width: 85mm

Height: 4mm

(cd/m²)

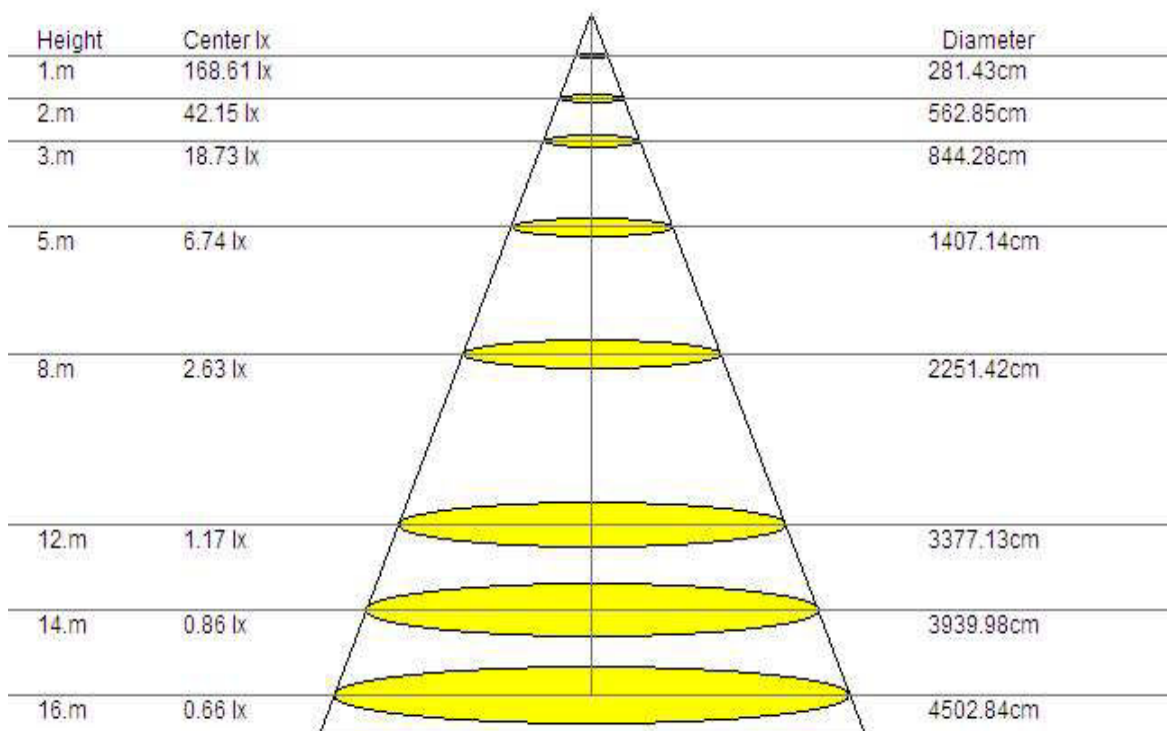
| ? | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° |
|-----|------|------|------|------|------|------|------|------|-----|
| C0 | 3790 | 3682 | 3554 | 3393 | 3157 | 2861 | 2331 | 1100 | |
| C90 | 3960 | 3873 | 3762 | 3610 | 3421 | 3160 | 2667 | 1900 | |

| Glare | Quality | Service Values Illuminance (lx) | | | | | | | |
|-------|---------|---------------------------------|------|------|------|------|------|------|------|
| | | 2000 | 1000 | 500 | =300 | | | | |
| 1.15 | A | | | | | | | | |
| 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: 109.20°(50%Imax)



Coefficients of Utilization

| 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 | 1.06 | 1.04 | 1.03 | 1.05 | 1.03 | 1.01 | 1.01 | 0.99 | 0.97 | 0.96 | 0.94 | 0.92 | 0.89 | 0.87 | 0.85 | 0.80 |
| 2 | 0.91 | 0.88 | 0.86 | 0.90 | 0.87 | 0.85 | 0.87 | 0.84 | 0.81 | 0.84 | 0.80 | 0.77 | 0.79 | 0.75 | 0.72 | 0.67 |
| 3 | 0.78 | 0.75 | 0.73 | 0.78 | 0.74 | 0.72 | 0.76 | 0.72 | 0.69 | 0.74 | 0.69 | 0.65 | 0.71 | 0.66 | 0.61 | 0.57 |
| 4 | 0.67 | 0.64 | 0.63 | 0.68 | 0.64 | 0.61 | 0.67 | 0.62 | 0.59 | 0.66 | 0.60 | 0.56 | 0.63 | 0.58 | 0.53 | 0.49 |
| 5 | 0.59 | 0.56 | 0.54 | 0.59 | 0.56 | 0.53 | 0.60 | 0.55 | 0.51 | 0.59 | 0.53 | 0.49 | 0.57 | 0.51 | 0.46 | 0.42 |
| 6 | 0.52 | 0.49 | 0.47 | 0.53 | 0.49 | 0.47 | 0.53 | 0.48 | 0.45 | 0.53 | 0.47 | 0.43 | 0.52 | 0.46 | 0.41 | 0.37 |
| 7 | 0.46 | 0.44 | 0.42 | 0.47 | 0.44 | 0.41 | 0.48 | 0.43 | 0.40 | 0.48 | 0.42 | 0.38 | 0.48 | 0.41 | 0.36 | 0.33 |
| 8 | 0.42 | 0.39 | 0.38 | 0.42 | 0.39 | 0.37 | 0.44 | 0.39 | 0.35 | 0.44 | 0.38 | 0.34 | 0.44 | 0.37 | 0.32 | 0.29 |
| 9 | 0.38 | 0.35 | 0.34 | 0.39 | 0.35 | 0.33 | 0.40 | 0.35 | 0.32 | 0.41 | 0.35 | 0.31 | 0.41 | 0.34 | 0.29 | 0.26 |
| 10 | 0.34 | 0.32 | 0.31 | 0.35 | 0.32 | 0.30 | 0.37 | 0.32 | 0.29 | 0.37 | 0.32 | 0.28 | 0.38 | 0.31 | 0.27 | 0.24 |



Indoor Budgetary Estimate Chart

