



## Luminaire Property

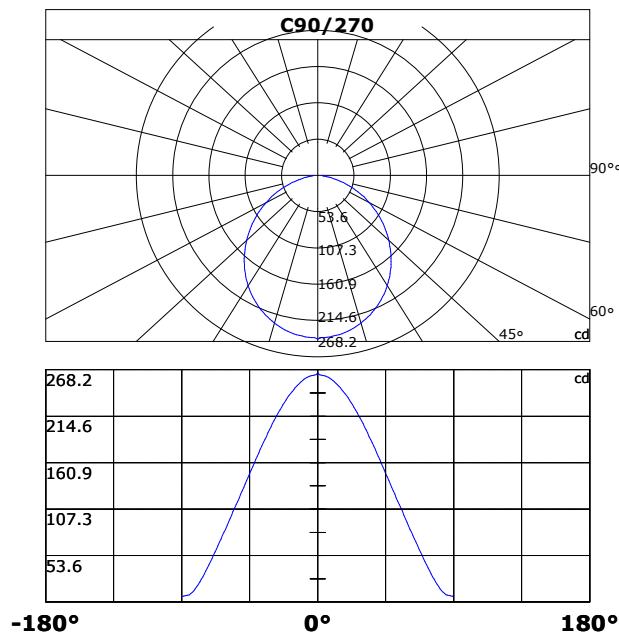
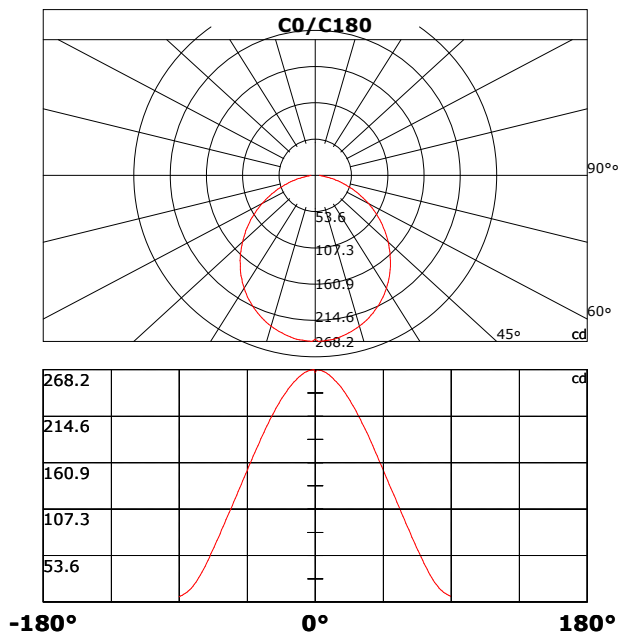
Luminaire Description: O511BN  
Luminaire Category: GU10  
Lamp Category: LED  
Lamp Description: BLANCO NEUTRO 4000K  
Number of Lamp: 1  
Lamp Lumens(lm): 646.06  
Luminous Length(m): 0.051  
Luminous Width(m): 0.051  
Luminous Height(m): 0.055

Voltage: 230.6 V  
Current: 0.045 A  
Power: 7.84 W  
Power Factor: 0.755  
Test Lab: BLED  
Photometric Type: Type C  
Manufacture: OSRAM

## Photometric Results

CIE Class: Direct  
Luminaire Lumens: 646.06 lm  
Efficiency: 82.4056 lm/W  
Central Intensity: 264.602cd  
Max. Intensity: 268.18cd  
Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:1.0  
Beam Angle(50%Imax): L: -50.4 R:48.4  
Luminaire Efficacy Rating(LER) : 112.3583%  
Upward Ratio: NA  
Downward Ratio: NA  
Beamwidth(50%Imax): H=98.68V=98.26





### Light intensity data Unit[cd]

|               |              |              |              |              |              |              |              |              |              |              |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>C\G</b>    | <b>G0.0</b>  | <b>G1.0</b>  | <b>G2.0</b>  | <b>G3.0</b>  | <b>G4.0</b>  | <b>G5.0</b>  | <b>G6.0</b>  | <b>G7.0</b>  | <b>G8.0</b>  | <b>G9.0</b>  |
| <b>C0.0</b>   | 264.6        | 268.2        | 267.9        | 267.6        | 267.1        | 266.6        | 265.9        | 265.0        | 263.8        | 262.5        |
| <b>C45.0</b>  | 264.6        | 260.1        | 259.9        | 259.6        | 259.2        | 258.5        | 257.9        | 256.9        | 256.0        | 254.9        |
| <b>C90.0</b>  | 264.6        | 262.5        | 262.3        | 262.0        | 261.4        | 260.9        | 260.2        | 259.4        | 258.5        | 257.2        |
| <b>C135.0</b> | 264.6        | 265.2        | 265.0        | 264.6        | 264.1        | 263.5        | 262.8        | 262.1        | 261.0        | 259.9        |
| <b>C180.0</b> | 264.6        | 268.2        | 267.9        | 267.6        | 267.1        | 266.6        | 265.9        | 265.0        | 263.8        | 262.5        |
| <b>C225.0</b> | 264.6        | 260.1        | 259.9        | 259.6        | 259.2        | 258.5        | 257.9        | 256.9        | 256.0        | 254.9        |
| <b>C270.0</b> | 264.6        | 262.5        | 262.3        | 262.0        | 261.4        | 260.9        | 260.2        | 259.4        | 258.5        | 257.2        |
| <b>C315.0</b> | 264.6        | 265.2        | 265.0        | 264.6        | 264.1        | 263.5        | 262.8        | 262.1        | 261.0        | 259.9        |
| <b>C360.0</b> | 264.6        | 268.2        | 267.9        | 267.6        | 267.1        | 266.6        | 265.9        | 265.0        | 263.8        | 262.5        |
|               |              |              |              |              |              |              |              |              |              |              |
| <b>C\G</b>    | <b>G10.0</b> | <b>G11.0</b> | <b>G12.0</b> | <b>G13.0</b> | <b>G14.0</b> | <b>G15.0</b> | <b>G16.0</b> | <b>G17.0</b> | <b>G18.0</b> | <b>G19.0</b> |
| <b>C0.0</b>   | 260.9        | 259.5        | 257.8        | 255.9        | 254.2        | 252.1        | 250.2        | 248.0        | 245.7        | 243.3        |
| <b>C45.0</b>  | 253.7        | 252.4        | 250.9        | 249.3        | 247.5        | 245.7        | 243.8        | 241.8        | 239.5        | 237.2        |
| <b>C90.0</b>  | 255.8        | 254.4        | 252.7        | 251.0        | 249.2        | 247.3        | 245.1        | 242.9        | 240.6        | 238.3        |
| <b>C135.0</b> | 258.6        | 257.4        | 255.8        | 254.1        | 252.5        | 250.6        | 248.6        | 246.4        | 244.3        | 242.0        |
| <b>C180.0</b> | 260.9        | 259.5        | 257.8        | 255.9        | 254.2        | 252.1        | 250.2        | 248.0        | 245.7        | 243.3        |
| <b>C225.0</b> | 253.7        | 252.4        | 250.9        | 249.3        | 247.5        | 245.7        | 243.8        | 241.8        | 239.5        | 237.2        |
| <b>C270.0</b> | 255.8        | 254.4        | 252.7        | 251.0        | 249.2        | 247.3        | 245.1        | 242.9        | 240.6        | 238.3        |
| <b>C315.0</b> | 258.6        | 257.4        | 255.8        | 254.1        | 252.5        | 250.6        | 248.6        | 246.4        | 244.3        | 242.0        |
| <b>C360.0</b> | 260.9        | 259.5        | 257.8        | 255.9        | 254.2        | 252.1        | 250.2        | 248.0        | 245.7        | 243.3        |
|               |              |              |              |              |              |              |              |              |              |              |
| <b>C\G</b>    | <b>G20.0</b> | <b>G21.0</b> | <b>G22.0</b> | <b>G23.0</b> | <b>G24.0</b> | <b>G25.0</b> | <b>G26.0</b> | <b>G27.0</b> | <b>G28.0</b> | <b>G29.0</b> |
| <b>C0.0</b>   | 240.7        | 238.2        | 235.5        | 232.6        | 229.7        | 226.7        | 223.7        | 220.6        | 217.0        | 213.8        |
| <b>C45.0</b>  | 234.8        | 232.4        | 229.8        | 227.0        | 224.2        | 221.5        | 218.5        | 215.1        | 212.1        | 209.0        |
| <b>C90.0</b>  | 235.7        | 233.1        | 230.6        | 227.7        | 224.9        | 221.9        | 218.8        | 215.8        | 212.6        | 209.1        |
| <b>C135.0</b> | 239.5        | 237.1        | 234.3        | 231.7        | 228.9        | 226.0        | 222.9        | 219.7        | 216.6        | 213.3        |
| <b>C180.0</b> | 240.7        | 238.2        | 235.5        | 232.6        | 229.7        | 226.7        | 223.7        | 220.6        | 217.0        | 213.8        |
| <b>C225.0</b> | 234.8        | 232.4        | 229.8        | 227.0        | 224.2        | 221.5        | 218.5        | 215.1        | 212.1        | 209.0        |
| <b>C270.0</b> | 235.7        | 233.1        | 230.6        | 227.7        | 224.9        | 221.9        | 218.8        | 215.8        | 212.6        | 209.1        |
| <b>C315.0</b> | 239.5        | 237.1        | 234.3        | 231.7        | 228.9        | 226.0        | 222.9        | 219.7        | 216.6        | 213.3        |
| <b>C360.0</b> | 240.7        | 238.2        | 235.5        | 232.6        | 229.7        | 226.7        | 223.7        | 220.6        | 217.0        | 213.8        |
|               |              |              |              |              |              |              |              |              |              |              |
| <b>C\G</b>    | <b>G30.0</b> | <b>G31.0</b> | <b>G32.0</b> | <b>G33.0</b> | <b>G34.0</b> | <b>G35.0</b> | <b>G36.0</b> | <b>G37.0</b> | <b>G38.0</b> | <b>G39.0</b> |
| <b>C0.0</b>   | 210.5        | 206.8        | 203.4        | 199.7        | 196.0        | 192.4        | 188.4        | 184.6        | 180.5        | 176.8        |
| <b>C45.0</b>  | 205.7        | 202.3        | 198.6        | 195.0        | 191.5        | 188.1        | 184.2        | 180.3        | 176.3        | 172.5        |
| <b>C90.0</b>  | 205.8        | 202.3        | 198.9        | 195.4        | 191.3        | 187.8        | 184.1        | 180.2        | 176.4        | 172.5        |
| <b>C135.0</b> | 209.9        | 206.3        | 202.8        | 199.3        | 195.6        | 192.0        | 188.1        | 184.3        | 180.3        | 176.2        |
| <b>C180.0</b> | 210.5        | 206.8        | 203.4        | 199.7        | 196.0        | 192.4        | 188.4        | 184.6        | 180.5        | 176.8        |
| <b>C225.0</b> | 205.7        | 202.3        | 198.6        | 195.0        | 191.5        | 188.1        | 184.2        | 180.3        | 176.3        | 172.5        |
| <b>C270.0</b> | 205.8        | 202.3        | 198.9        | 195.4        | 191.3        | 187.8        | 184.1        | 180.2        | 176.4        | 172.5        |
| <b>C315.0</b> | 209.9        | 206.3        | 202.8        | 199.3        | 195.6        | 192.0        | 188.1        | 184.3        | 180.3        | 176.2        |
| <b>C360.0</b> | 210.5        | 206.8        | 203.4        | 199.7        | 196.0        | 192.4        | 188.4        | 184.6        | 180.5        | 176.8        |



### Light intensity data Unit[cd]

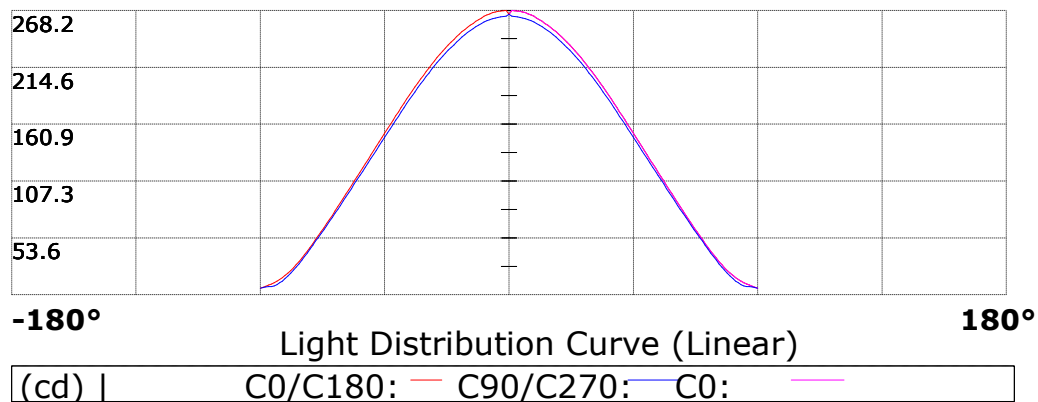
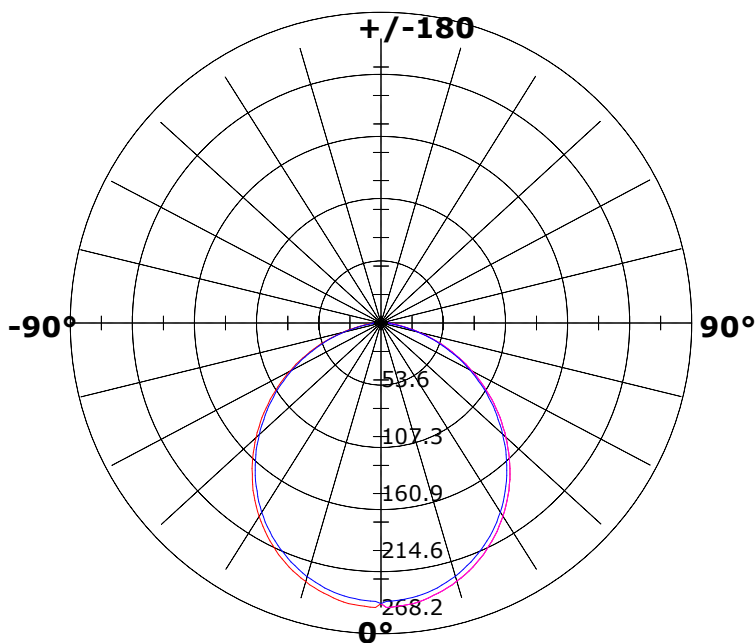
|               |              |              |              |              |              |              |              |              |              |              |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>C\G</b>    | <b>G40.0</b> | <b>G41.0</b> | <b>G42.0</b> | <b>G43.0</b> | <b>G44.0</b> | <b>G45.0</b> | <b>G46.0</b> | <b>G47.0</b> | <b>G48.0</b> | <b>G49.0</b> |
| <b>C0.0</b>   | 172.5        | 168.7        | 164.5        | 160.4        | 156.5        | 152.2        | 148.4        | 144.0        | 140.0        | 135.9        |
| <b>C45.0</b>  | 168.7        | 164.5        | 160.5        | 156.6        | 152.5        | 148.4        | 143.9        | 139.9        | 135.6        | 131.5        |
| <b>C90.0</b>  | 168.3        | 164.7        | 160.7        | 156.6        | 152.4        | 148.4        | 144.6        | 140.4        | 136.1        | 132.4        |
| <b>C135.0</b> | 172.4        | 168.5        | 164.5        | 160.6        | 156.2        | 152.4        | 148.0        | 143.8        | 139.4        | 135.0        |
| <b>C180.0</b> | 172.5        | 168.7        | 164.5        | 160.4        | 156.5        | 152.2        | 148.4        | 144.0        | 140.0        | 135.9        |
| <b>C225.0</b> | 168.7        | 164.5        | 160.5        | 156.6        | 152.5        | 148.4        | 143.9        | 139.9        | 135.6        | 131.5        |
| <b>C270.0</b> | 168.3        | 164.7        | 160.7        | 156.6        | 152.4        | 148.4        | 144.6        | 140.4        | 136.1        | 132.4        |
| <b>C315.0</b> | 172.4        | 168.5        | 164.5        | 160.6        | 156.2        | 152.4        | 148.0        | 143.8        | 139.4        | 135.0        |
| <b>C360.0</b> | 172.5        | 168.7        | 164.5        | 160.4        | 156.5        | 152.2        | 148.4        | 144.0        | 140.0        | 135.9        |
|               |              |              |              |              |              |              |              |              |              |              |
| <b>C\G</b>    | <b>G50.0</b> | <b>G51.0</b> | <b>G52.0</b> | <b>G53.0</b> | <b>G54.0</b> | <b>G55.0</b> | <b>G56.0</b> | <b>G57.0</b> | <b>G58.0</b> | <b>G59.0</b> |
| <b>C0.0</b>   | 131.8        | 127.6        | 123.5        | 119.5        | 115.4        | 111.3        | 107.2        | 103.2        | 99.0         | 95.0         |
| <b>C45.0</b>  | 126.8        | 123.2        | 119.6        | 115.6        | 111.5        | 107.2        | 103.2        | 99.4         | 95.6         | 91.3         |
| <b>C90.0</b>  | 128.4        | 124.6        | 120.3        | 116.2        | 112.4        | 108.4        | 104.6        | 100.2        | 96.3         | 92.3         |
| <b>C135.0</b> | 130.4        | 126.2        | 121.9        | 118.0        | 114.4        | 110.3        | 106.2        | 101.9        | 97.3         | 93.8         |
| <b>C180.0</b> | 131.8        | 127.6        | 123.5        | 119.5        | 115.4        | 111.3        | 107.2        | 103.2        | 99.0         | 95.0         |
| <b>C225.0</b> | 126.8        | 123.2        | 119.6        | 115.6        | 111.5        | 107.2        | 103.2        | 99.4         | 95.6         | 91.3         |
| <b>C270.0</b> | 128.4        | 124.6        | 120.3        | 116.2        | 112.4        | 108.4        | 104.6        | 100.2        | 96.3         | 92.3         |
| <b>C315.0</b> | 130.4        | 126.2        | 121.9        | 118.0        | 114.4        | 110.3        | 106.2        | 101.9        | 97.3         | 93.8         |
| <b>C360.0</b> | 131.8        | 127.6        | 123.5        | 119.5        | 115.4        | 111.3        | 107.2        | 103.2        | 99.0         | 95.0         |
|               |              |              |              |              |              |              |              |              |              |              |
| <b>C\G</b>    | <b>G60.0</b> | <b>G61.0</b> | <b>G62.0</b> | <b>G63.0</b> | <b>G64.0</b> | <b>G65.0</b> | <b>G66.0</b> | <b>G67.0</b> | <b>G68.0</b> | <b>G69.0</b> |
| <b>C0.0</b>   | 91.0         | 86.9         | 83.1         | 79.0         | 74.9         | 71.1         | 67.2         | 63.2         | 59.6         | 55.8         |
| <b>C45.0</b>  | 87.3         | 83.6         | 79.7         | 75.9         | 72.0         | 68.1         | 64.5         | 60.8         | 56.9         | 53.3         |
| <b>C90.0</b>  | 88.6         | 84.1         | 80.5         | 76.8         | 72.9         | 69.2         | 65.1         | 61.4         | 57.8         | 53.9         |
| <b>C135.0</b> | 89.7         | 85.7         | 81.5         | 77.9         | 74.0         | 69.8         | 66.1         | 62.1         | 58.6         | 54.9         |
| <b>C180.0</b> | 91.0         | 86.9         | 83.1         | 79.0         | 74.9         | 71.1         | 67.2         | 63.2         | 59.6         | 55.8         |
| <b>C225.0</b> | 87.3         | 83.6         | 79.7         | 75.9         | 72.0         | 68.1         | 64.5         | 60.8         | 56.9         | 53.3         |
| <b>C270.0</b> | 88.6         | 84.1         | 80.5         | 76.8         | 72.9         | 69.2         | 65.1         | 61.4         | 57.8         | 53.9         |
| <b>C315.0</b> | 89.7         | 85.7         | 81.5         | 77.9         | 74.0         | 69.8         | 66.1         | 62.1         | 58.6         | 54.9         |
| <b>C360.0</b> | 91.0         | 86.9         | 83.1         | 79.0         | 74.9         | 71.1         | 67.2         | 63.2         | 59.6         | 55.8         |
|               |              |              |              |              |              |              |              |              |              |              |
| <b>C\G</b>    | <b>G70.0</b> | <b>G71.0</b> | <b>G72.0</b> | <b>G73.0</b> | <b>G74.0</b> | <b>G75.0</b> | <b>G76.0</b> | <b>G77.0</b> | <b>G78.0</b> | <b>G79.0</b> |
| <b>C0.0</b>   | 52.0         | 48.0         | 44.6         | 41.1         | 37.7         | 34.5         | 31.3         | 28.4         | 25.5         | 22.9         |
| <b>C45.0</b>  | 49.6         | 45.9         | 42.4         | 38.7         | 35.1         | 31.8         | 28.4         | 25.3         | 22.2         | 19.6         |
| <b>C90.0</b>  | 50.5         | 46.6         | 43.0         | 39.5         | 36.0         | 32.7         | 29.2         | 26.2         | 23.2         | 20.3         |
| <b>C135.0</b> | 51.0         | 47.4         | 43.8         | 40.3         | 36.7         | 33.4         | 30.0         | 27.0         | 24.1         | 21.5         |
| <b>C180.0</b> | 52.0         | 48.0         | 44.6         | 41.1         | 37.7         | 34.5         | 31.3         | 28.4         | 25.5         | 22.9         |
| <b>C225.0</b> | 49.6         | 45.9         | 42.4         | 38.7         | 35.1         | 31.8         | 28.4         | 25.3         | 22.2         | 19.6         |
| <b>C270.0</b> | 50.5         | 46.6         | 43.0         | 39.5         | 36.0         | 32.7         | 29.2         | 26.2         | 23.2         | 20.3         |
| <b>C315.0</b> | 51.0         | 47.4         | 43.8         | 40.3         | 36.7         | 33.4         | 30.0         | 27.0         | 24.1         | 21.5         |
| <b>C360.0</b> | 52.0         | 48.0         | 44.6         | 41.1         | 37.7         | 34.5         | 31.3         | 28.4         | 25.5         | 22.9         |

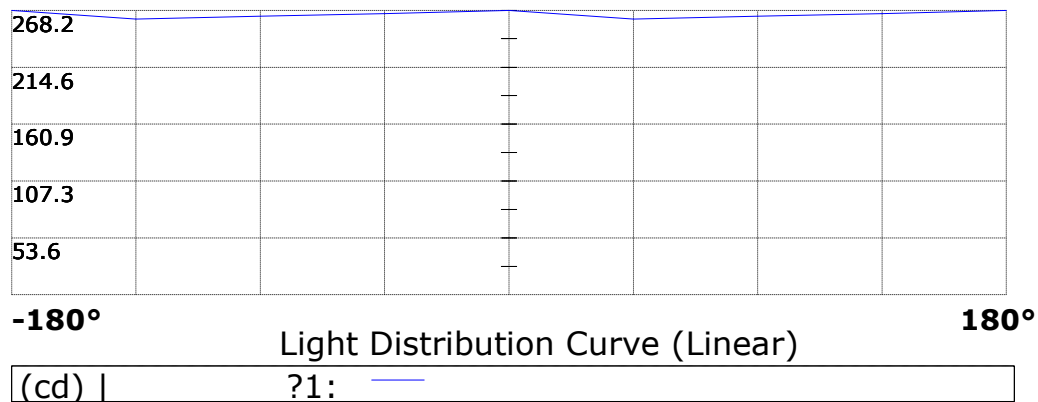
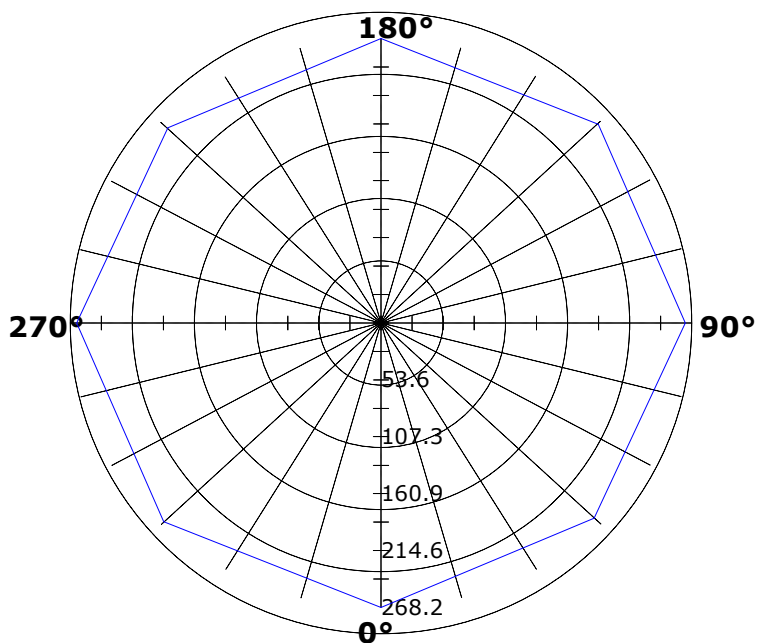


## Light intensity data Unit[cd]

| C\G           | G80.0        | G81.0 | G82.0 | G83.0 | G84.0 | G85.0 | G86.0 | G87.0 | G88.0 | G89.0 |
|---------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>C0.0</b>   | 20.4         | 18.3  | 16.1  | 14.3  | 12.7  | 11.4  | 10.1  | 9.0   | 8.0   | 7.1   |
| <b>C45.0</b>  | 17.1         | 14.6  | 12.6  | 10.7  | 9.2   | 8.1   | 7.2   | 6.3   | 5.9   | 5.7   |
| <b>C90.0</b>  | 17.8         | 15.3  | 13.0  | 11.2  | 9.6   | 8.3   | 7.8   | 7.5   | 7.4   | 6.7   |
| <b>C135.0</b> | 19.0         | 16.5  | 14.4  | 12.5  | 11.1  | 9.9   | 9.0   | 8.3   | 7.6   | 7.0   |
| <b>C180.0</b> | 20.4         | 18.3  | 16.1  | 14.3  | 12.7  | 11.4  | 10.1  | 9.0   | 8.0   | 7.1   |
| <b>C225.0</b> | 17.1         | 14.6  | 12.6  | 10.7  | 9.2   | 8.1   | 7.2   | 6.3   | 5.9   | 5.7   |
| <b>C270.0</b> | 17.8         | 15.3  | 13.0  | 11.2  | 9.6   | 8.3   | 7.8   | 7.5   | 7.4   | 6.7   |
| <b>C315.0</b> | 19.0         | 16.5  | 14.4  | 12.5  | 11.1  | 9.9   | 9.0   | 8.3   | 7.6   | 7.0   |
| <b>C360.0</b> | 20.4         | 18.3  | 16.1  | 14.3  | 12.7  | 11.4  | 10.1  | 9.0   | 8.0   | 7.1   |
|               |              |       |       |       |       |       |       |       |       |       |
| <b>C\G</b>    | <b>G90.0</b> |       |       |       |       |       |       |       |       |       |
| <b>C0.0</b>   | 6.3          |       |       |       |       |       |       |       |       |       |
| <b>C45.0</b>  | 5.5          |       |       |       |       |       |       |       |       |       |
| <b>C90.0</b>  | 6.4          |       |       |       |       |       |       |       |       |       |
| <b>C135.0</b> | 6.2          |       |       |       |       |       |       |       |       |       |
| <b>C180.0</b> | 6.3          |       |       |       |       |       |       |       |       |       |
| <b>C225.0</b> | 5.5          |       |       |       |       |       |       |       |       |       |
| <b>C270.0</b> | 6.4          |       |       |       |       |       |       |       |       |       |
| <b>C315.0</b> | 6.2          |       |       |       |       |       |       |       |       |       |
| <b>C360.0</b> | 6.3          |       |       |       |       |       |       |       |       |       |

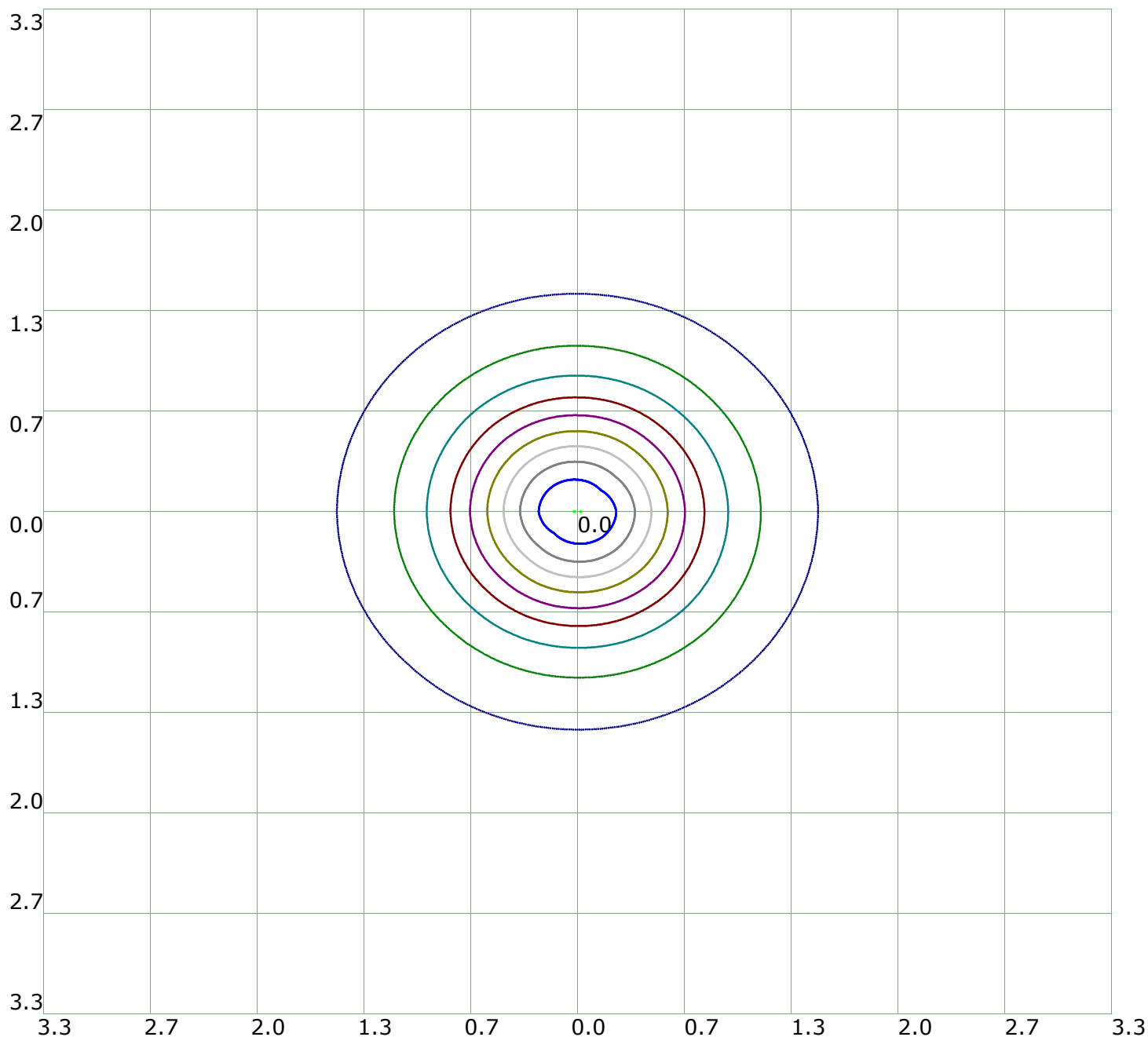
Light Distribution Curve [Unit: cd]







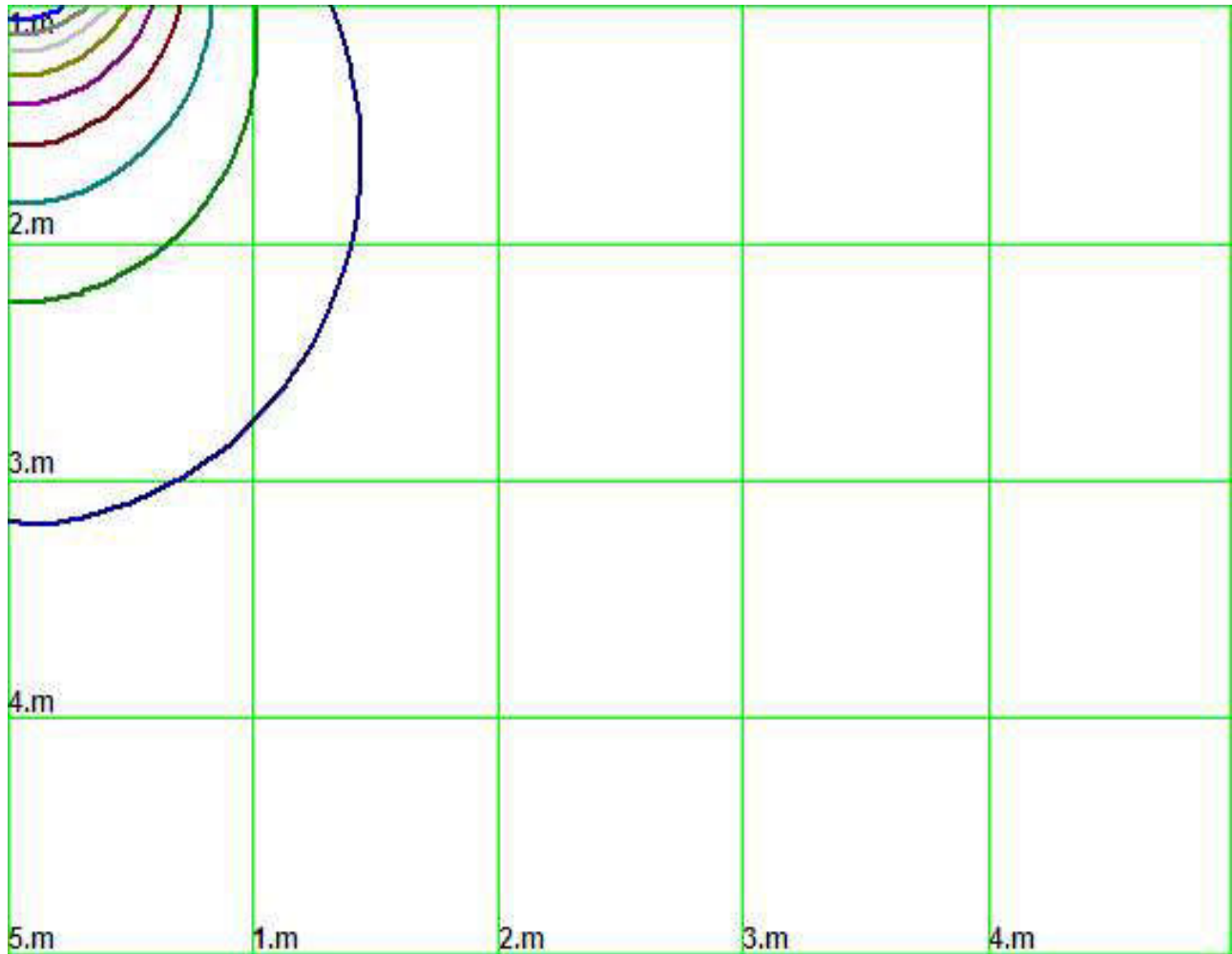
### Isolx curve



Height: 1 m

- |                  |                   |                  |                  |
|------------------|-------------------|------------------|------------------|
| — (10%): 26.8lx  | — (20%): 53.6lx   | — (30%): 80.5lx  | — (40%): 107.3lx |
| — (50%): 134.1lx | — (60%): 160.9lx  | — (70%): 187.7lx | — (80%): 214.5lx |
| — (90%): 241.4lx | — (100%): 267.9lx |                  |                  |

## Space Isolx Curve



|                  |                   |                  |                  |
|------------------|-------------------|------------------|------------------|
| — (10%): 26.8lx  | — (20%): 53.6lx   | — (30%): 80.5lx  | — (40%): 107.3lx |
| — (50%): 134.1lx | — (60%): 160.9lx  | — (70%): 187.7lx | — (80%): 214.5lx |
| — (90%): 241.4lx | — (100%): 267.9lx |                  |                  |





## Luminance Limiting Curve

Diameter: 51mm

Length: 51mm

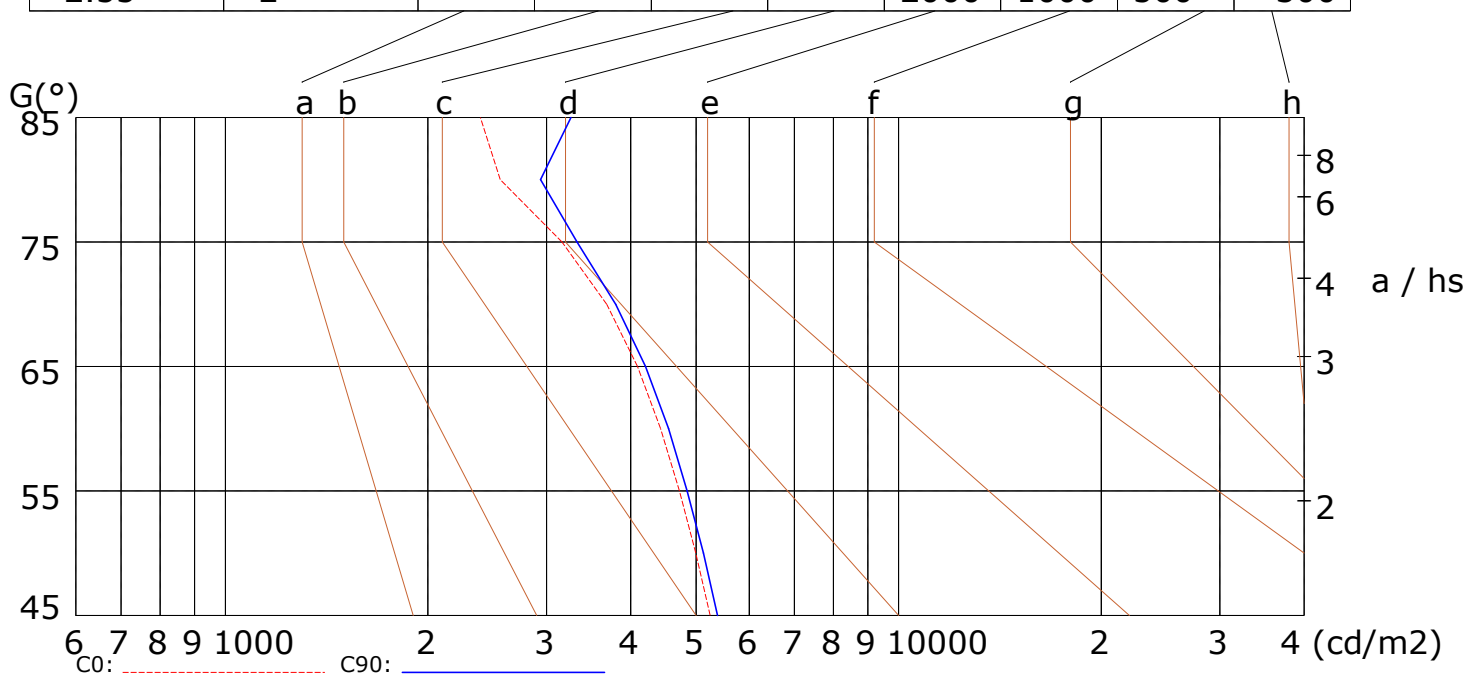
Width: 51mm

Height: 55mm

(cd/m<sup>2</sup>)

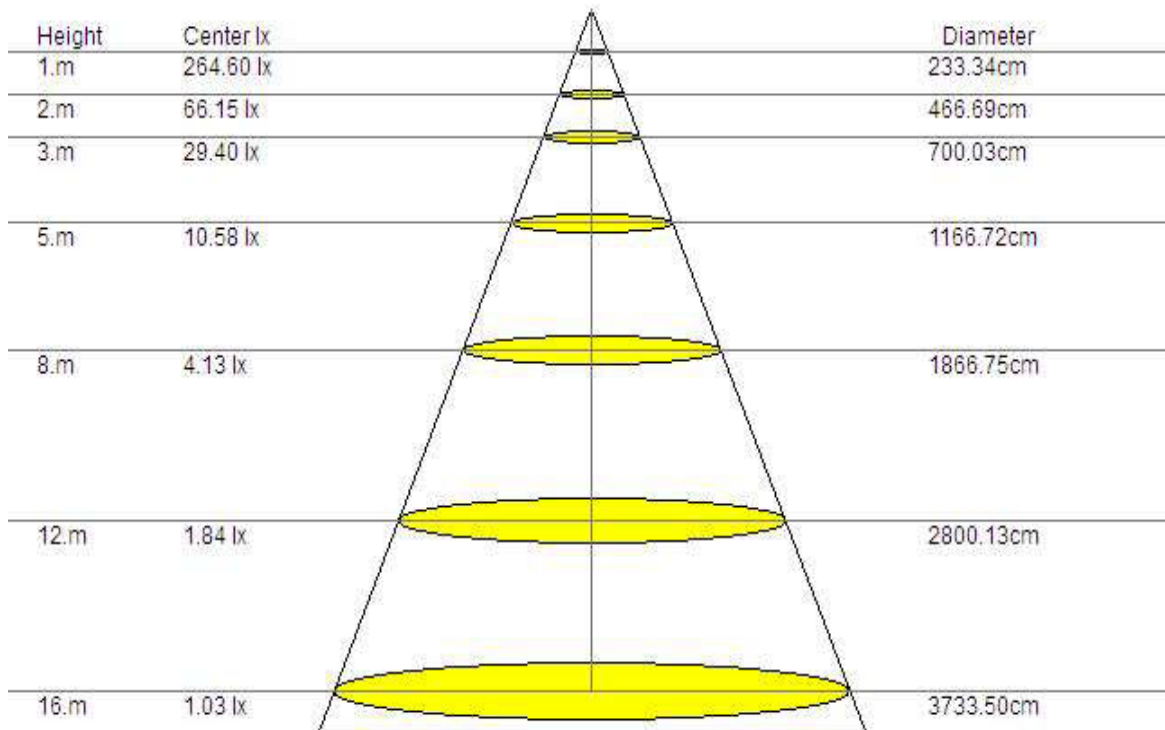
| ?   | 45°  | 50°  | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  |
|-----|------|------|------|------|------|------|------|------|------|
| C0  | 5247 | 4993 | 4724 | 4432 | 4094 | 3688 | 3162 | 2559 | 2392 |
| C90 | 5382 | 5127 | 4852 | 4550 | 4207 | 3799 | 3328 | 2938 | 3260 |

| 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: 98.80° (50% I<sub>max</sub>)



## 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     | 1.34                                     | 1.34 | 1.34 | 1.31 | 1.31 | 1.31 | 1.25 | 1.25 | 1.25 | 1.20 | 1.20 | 1.20 | 1.15 | 1.15 | 1.15 | 1.12 |
| 1     | 1.18                                     | 1.17 | 1.15 | 1.17 | 1.15 | 1.13 | 1.13 | 1.10 | 1.08 | 1.07 | 1.05 | 1.03 | 1.00 | 0.98 | 0.95 | 0.89 |
| 2     | 1.02                                     | 0.99 | 0.97 | 1.01 | 0.98 | 0.95 | 0.98 | 0.94 | 0.91 | 0.94 | 0.90 | 0.86 | 0.89 | 0.85 | 0.81 | 0.75 |
| 3     | 0.88                                     | 0.85 | 0.82 | 0.88 | 0.84 | 0.81 | 0.86 | 0.81 | 0.78 | 0.83 | 0.78 | 0.74 | 0.80 | 0.74 | 0.69 | 0.64 |
| 4     | 0.76                                     | 0.73 | 0.71 | 0.77 | 0.73 | 0.70 | 0.76 | 0.71 | 0.67 | 0.74 | 0.68 | 0.64 | 0.72 | 0.65 | 0.60 | 0.55 |
| 5     | 0.67                                     | 0.64 | 0.62 | 0.68 | 0.64 | 0.61 | 0.68 | 0.62 | 0.58 | 0.67 | 0.61 | 0.56 | 0.65 | 0.58 | 0.53 | 0.48 |
| 6     | 0.60                                     | 0.57 | 0.55 | 0.60 | 0.56 | 0.54 | 0.61 | 0.55 | 0.51 | 0.61 | 0.54 | 0.49 | 0.60 | 0.52 | 0.47 | 0.43 |
| 7     | 0.53                                     | 0.50 | 0.49 | 0.54 | 0.50 | 0.48 | 0.55 | 0.50 | 0.46 | 0.55 | 0.49 | 0.44 | 0.55 | 0.47 | 0.42 | 0.38 |
| 8     | 0.48                                     | 0.45 | 0.44 | 0.49 | 0.45 | 0.43 | 0.50 | 0.45 | 0.41 | 0.51 | 0.44 | 0.39 | 0.50 | 0.43 | 0.37 | 0.34 |
| 9     | 0.44                                     | 0.41 | 0.39 | 0.45 | 0.41 | 0.39 | 0.46 | 0.41 | 0.37 | 0.47 | 0.40 | 0.36 | 0.47 | 0.39 | 0.34 | 0.31 |
| 10    | 0.40                                     | 0.37 | 0.36 | 0.41 | 0.37 | 0.35 | 0.42 | 0.37 | 0.34 | 0.43 | 0.37 | 0.32 | 0.44 | 0.36 | 0.31 | 0.28 |



## Indoor Budgetary Estimate Chart

