

file : FLOODLIGHT\_LED\_100W\_6000K

meas. no. 01L1545  
meas. date 4/16/2022  
operator LightLab.

meas. conditions  
ambient temperature 25.0 °C  
voltage 230.00 V  
current 0.663 A  
power consumption 94.5 W  
Leistungsfaktor 0.620

meas. lamps lum. flux [lm]  
absolute measurement 10181.8 lm  
luminous efficacy 108 lm/w

dimensions of luminaire  
length 285 mm  
width 255 mm  
height 80 mm

dimensions of luminous area  
length 160 mm  
width 200 mm  
height C0 60 mm  
height C90 60 mm  
height C180 60 mm  
height C270 60 mm

reflector

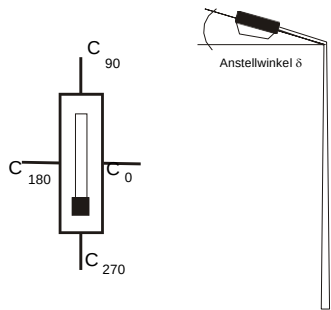
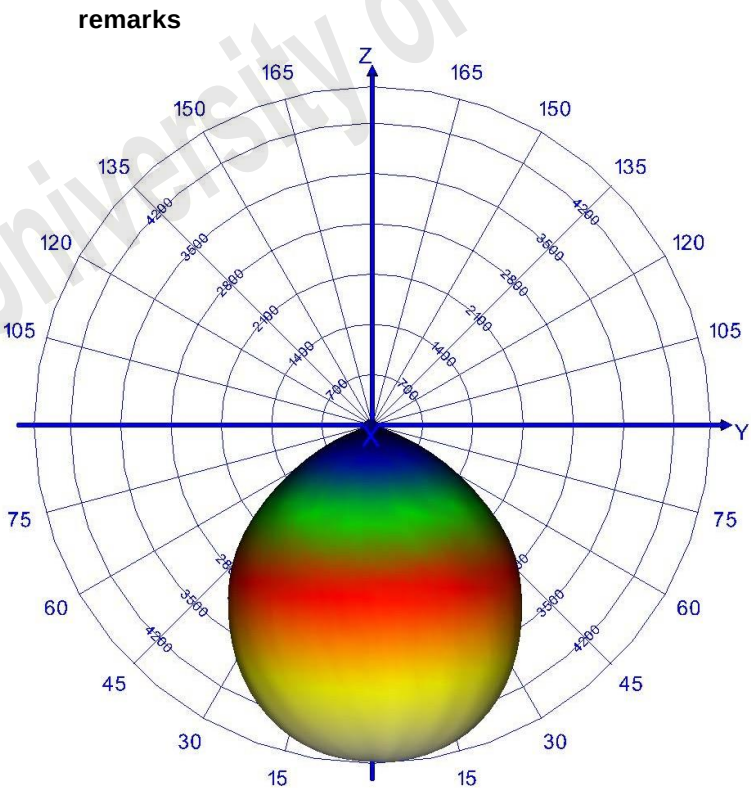
cover

variant

measurement results  
flux of luminaire 10181.8 lm  
classification / DIN A50  
lower flux fraction 100.00 %  
upper flux fraction 0.00 %  
intensity maximum 4704.1 cd  
in C-plane 195.0 °  
at gamma 2.5 °  
half value angle C0 : 49.7 °  
C90 : 46.5 °  
C180 : 51.2 °  
C270 : 48.5 °  
tenth value angle C0 : 69.1 °  
C90 : 65.0 °  
C180 : 69.5 °  
C270 : 68.0 °

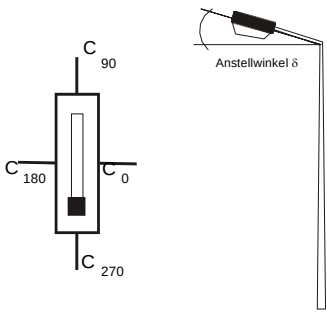
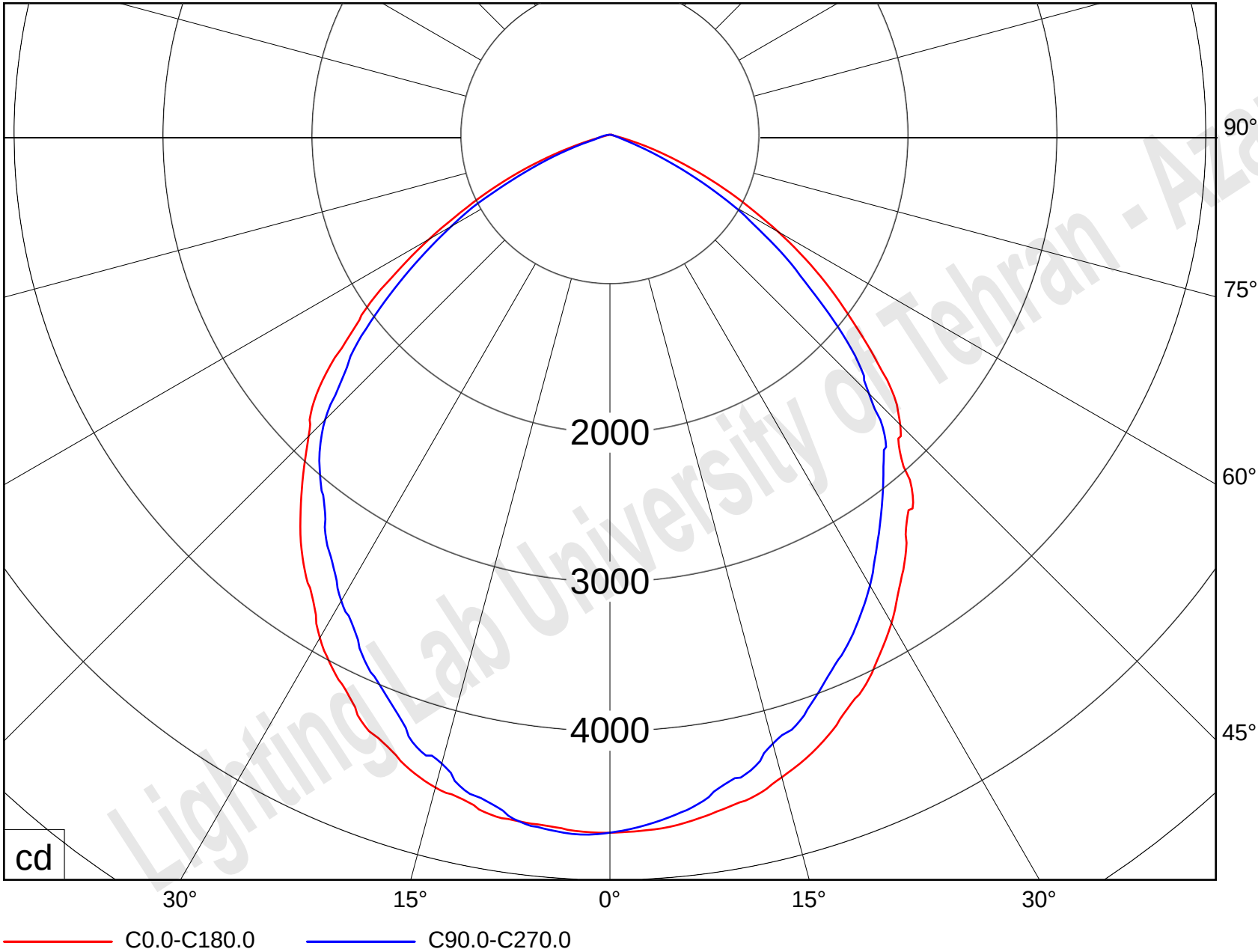
article code  
Azar Teyf Co.

lamp(s)  
1 x LED  
total flux 10182 lm  
LOR  
100 %  
tilt angle 0.0 °



article code  
Azar Teyf Co.

lamp(s)  
1 x LED  
total flux  
10182 lm  
LOR  
100 %  
tilt angle  
0.0 °

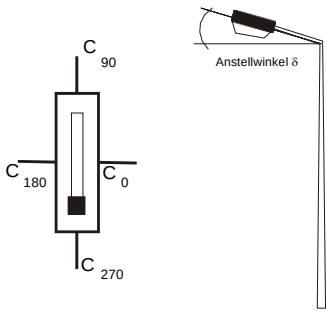


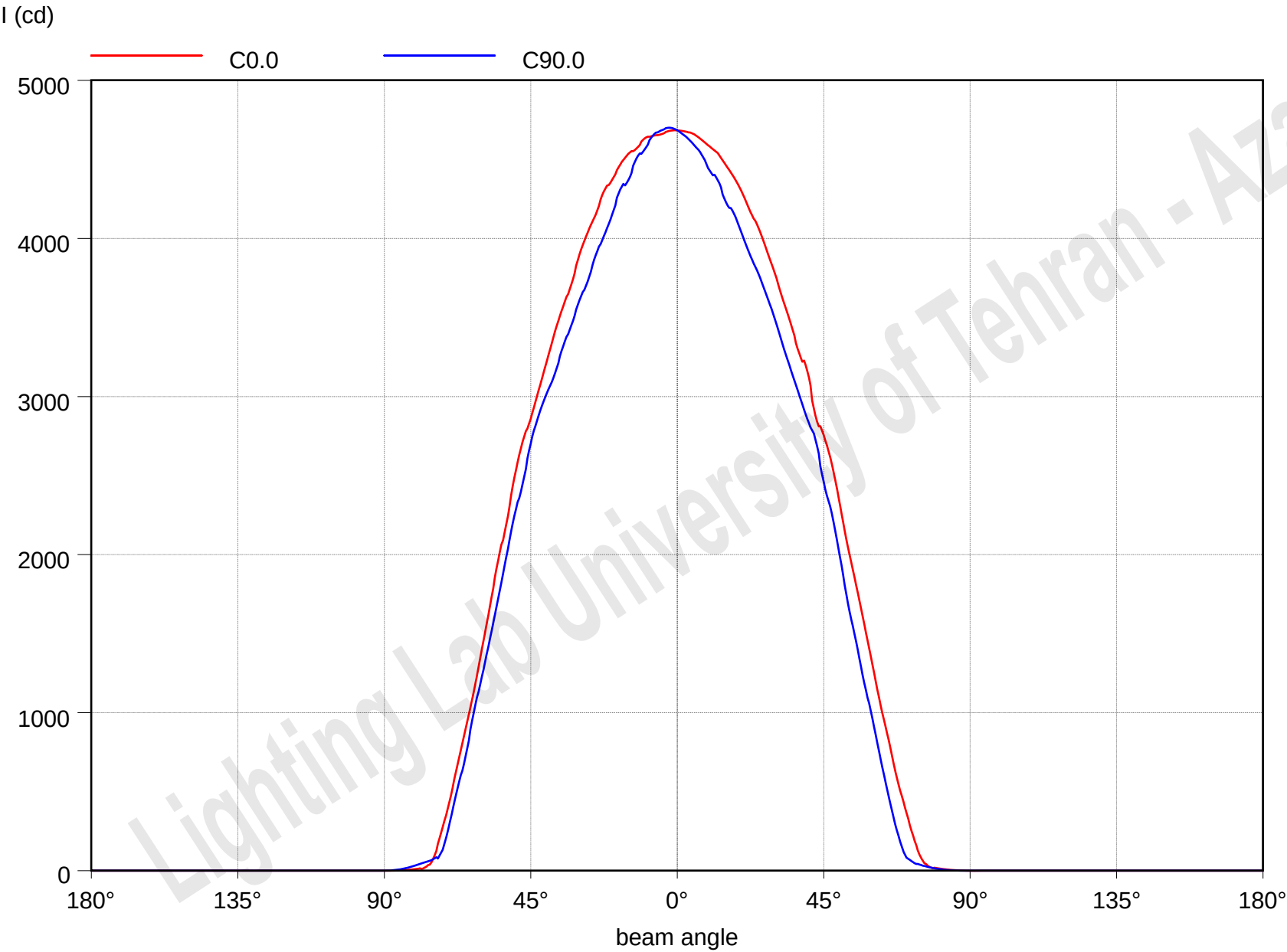
| distance [m] | cone diameter [m] | E [lx]               |             |
|--------------|-------------------|----------------------|-------------|
| 2.0          | 4.72              | E(0°)<br>E(C0) 49.7° | 1171<br>379 |
| 4.0          | 9.43              | E(0°)<br>E(C0) 49.7° | 293<br>95   |
| 6.0          | 14.15             | E(0°)<br>E(C0) 49.7° | 130<br>42   |
| 8.0          | 18.87             | E(0°)<br>E(C0) 49.7° | 73<br>24    |
| 10.0         | 23.58             | E(0°)<br>E(C0) 49.7° | 47<br>15    |

half value angle 99.4°

article code  
Azar Teyf Co.

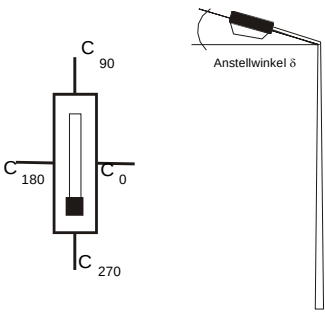
lamp(s)  
1 x LED  
total flux  
10182 lm  
LOR  
100 %  
tilt angle  
0.0 °



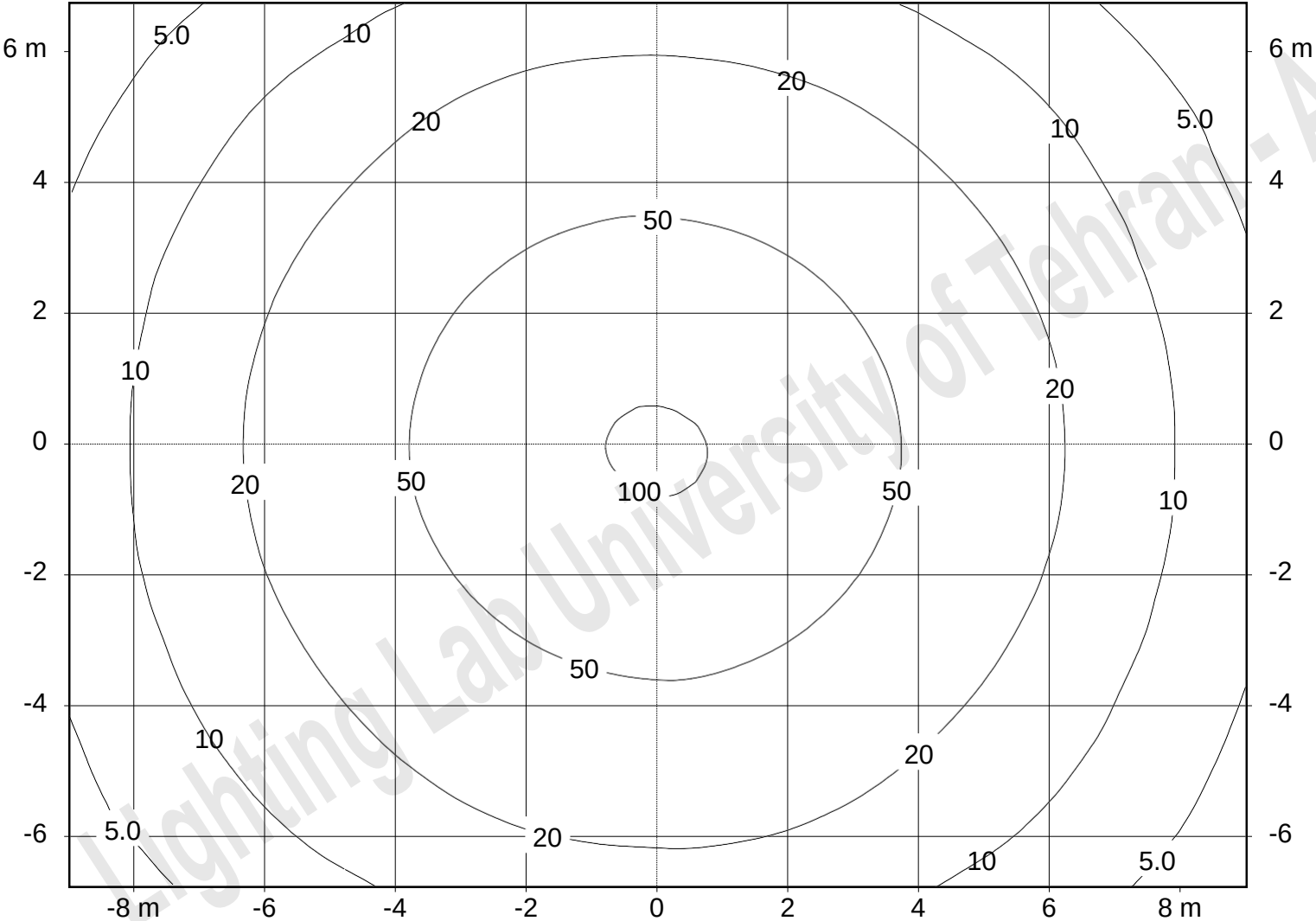


article code  
Azar Teyf Co.

lamp(s)  
1 x LED  
total flux  
10182 lm  
LOR  
100 %  
tilt angle  
0.0 °

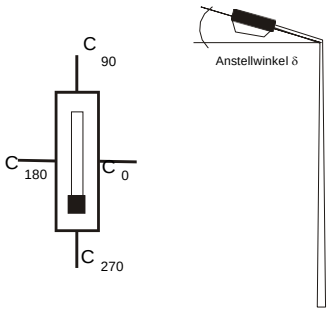


tilt angle : 0.0°  
swivel angle : 0.0°  
mounting height : 6.00 m  
orientation : 0.0°  
light loss factor : 0.8



article code  
Azar Teyf Co.

lamp(s)  
1 x LED  
total flux  
10182 lm  
LOR  
100 %  
tilt angle  
0.0°

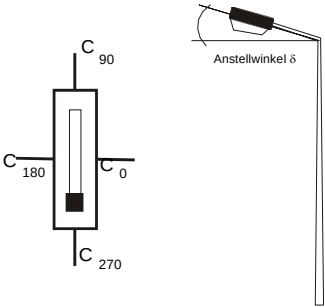


file : FLOODLIGHT\_LED\_100W\_6000K

| gamma / ° | C 0   | C 15  | C 30  | C 45  | C 60  | C 75  | C 90  | C 105 | C 120 | C 135 | C 150 | C 165 | C 180 | C 195 | C 210 | C 225 | C 240 | C 255 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0       | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 |
| 2.5       | 459.3 | 458.9 | 458.5 | 457.8 | 456.9 | 456.4 | 456.5 | 456.9 | 457.6 | 458.3 | 458.7 | 459.3 | 459.6 | 459.3 | 459.3 | 459.8 | 460.3 | 460.9 |
| 5.0       | 457.9 | 456.3 | 454.9 | 453.7 | 452.5 | 451.1 | 451.5 | 453.7 | 455.9 | 456.5 | 457.0 | 457.8 | 457.5 | 457.6 | 457.6 | 457.4 | 457.7 | 458.9 |
| 7.5       | 454.2 | 452.2 | 449.7 | 447.3 | 445.5 | 443.7 | 445.1 | 448.2 | 449.8 | 451.9 | 453.9 | 456.0 | 456.6 | 457.2 | 456.0 | 453.8 | 452.6 | 453.2 |
| 10.0      | 450.0 | 447.8 | 443.1 | 439.8 | 436.8 | 435.9 | 434.9 | 441.6 | 442.6 | 446.0 | 449.3 | 451.7 | 454.9 | 452.9 | 452.1 | 449.3 | 446.2 | 445.9 |
| 12.5      | 445.9 | 441.5 | 436.2 | 431.1 | 427.6 | 426.0 | 429.1 | 433.5 | 434.1 | 438.3 | 442.7 | 447.6 | 448.7 | 449.7 | 446.0 | 442.5 | 438.7 | 437.2 |
| 15.0      | 438.3 | 434.0 | 428.6 | 421.8 | 418.2 | 416.0 | 415.5 | 423.2 | 425.3 | 430.4 | 436.4 | 441.8 | 445.4 | 444.4 | 439.1 | 434.8 | 429.2 | 427.7 |
| 17.5      | 430.8 | 425.0 | 418.2 | 411.9 | 407.9 | 405.5 | 408.2 | 413.2 | 416.5 | 420.8 | 428.1 | 433.7 | 438.8 | 436.3 | 430.8 | 425.1 | 419.6 | 416.7 |
| 20.0      | 421.3 | 416.1 | 407.9 | 401.3 | 396.0 | 393.4 | 395.2 | 402.4 | 405.3 | 410.3 | 418.0 | 424.3 | 429.2 | 428.0 | 420.1 | 413.8 | 407.8 | 406.2 |
| 22.5      | 409.4 | 404.4 | 396.0 | 390.1 | 384.0 | 380.6 | 382.1 | 389.9 | 393.0 | 400.3 | 409.0 | 415.3 | 422.0 | 416.7 | 409.0 | 402.6 | 395.7 | 392.0 |
| 25.0      | 399.5 | 391.2 | 383.5 | 377.7 | 371.5 | 368.8 | 370.9 | 376.3 | 381.8 | 389.6 | 395.6 | 402.7 | 407.8 | 405.3 | 396.5 | 390.0 | 382.8 | 379.2 |
| 27.5      | 385.7 | 379.0 | 371.1 | 364.0 | 357.4 | 353.3 | 357.5 | 363.4 | 368.1 | 375.6 | 383.6 | 390.6 | 396.5 | 393.9 | 382.9 | 376.1 | 368.1 | 365.3 |
| 30.0      | 371.4 | 366.2 | 355.9 | 350.5 | 343.5 | 339.1 | 343.0 | 348.2 | 355.4 | 361.5 | 370.3 | 375.9 | 382.8 | 378.4 | 369.8 | 360.7 | 355.2 | 352.1 |
| 32.5      | 354.9 | 349.5 | 342.8 | 334.8 | 328.4 | 324.7 | 326.5 | 331.6 | 339.6 | 347.0 | 356.3 | 362.2 | 364.3 | 363.7 | 354.8 | 345.8 | 341.3 | 338.0 |
| 35.0      | 339.5 | 334.3 | 326.3 | 319.9 | 313.0 | 308.1 | 311.0 | 316.3 | 323.8 | 332.4 | 341.0 | 345.3 | 350.8 | 347.6 | 340.7 | 330.5 | 327.1 | 322.7 |
| 37.5      | 321.5 | 318.1 | 311.6 | 303.1 | 296.7 | 292.6 | 295.8 | 299.8 | 307.8 | 316.0 | 322.5 | 329.3 | 335.1 | 330.0 | 324.0 | 316.7 | 310.5 | 308.4 |
| 40.0      | 310.6 | 300.6 | 293.0 | 286.4 | 281.0 | 278.0 | 280.8 | 285.5 | 291.3 | 297.9 | 305.8 | 311.9 | 316.9 | 313.1 | 306.3 | 300.6 | 296.5 | 294.8 |
| 42.5      | 282.9 | 283.3 | 276.9 | 269.2 | 265.8 | 263.9 | 268.1 | 270.5 | 275.8 | 280.9 | 287.7 | 294.4 | 298.8 | 296.2 | 288.8 | 284.1 | 282.3 | 282.5 |
| 45.0      | 270.7 | 267.1 | 259.4 | 251.3 | 250.1 | 244.4 | 241.8 | 252.8 | 260.8 | 261.8 | 270.5 | 278.5 | 281.0 | 278.8 | 271.8 | 267.6 | 269.5 | 268.5 |
| 47.5      | 253.5 | 249.1 | 242.2 | 234.6 | 233.3 | 220.6 | 222.2 | 225.4 | 240.2 | 243.2 | 252.5 | 261.6 | 266.3 | 263.0 | 254.8 | 251.4 | 254.8 | 245.7 |
| 50.0      | 227.3 | 228.3 | 224.6 | 217.0 | 207.8 | 195.7 | 195.3 | 201.0 | 217.4 | 226.3 | 234.8 | 243.0 | 244.1 | 245.1 | 238.3 | 236.3 | 233.8 | 223.6 |
| 52.5      | 201.3 | 200.0 | 200.9 | 200.2 | 186.2 | 172.3 | 166.2 | 179.6 | 192.1 | 208.5 | 214.5 | 216.8 | 215.2 | 221.0 | 221.4 | 221.1 | 209.8 | 196.6 |
| 55.0      | 177.5 | 179.0 | 176.0 | 176.0 | 160.9 | 147.1 | 142.3 | 153.7 | 163.9 | 184.4 | 189.3 | 190.6 | 192.9 | 194.6 | 200.3 | 200.1 | 183.4 | 173.4 |
| 57.5      | 153.2 | 153.1 | 154.8 | 149.7 | 134.9 | 121.9 | 116.7 | 126.1 | 137.4 | 158.6 | 164.1 | 163.1 | 164.3 | 169.3 | 175.6 | 176.8 | 159.0 | 149.5 |
| 60.0      | 128.1 | 127.1 | 129.5 | 121.1 | 110.1 | 96.3  | 94.9  | 98.0  | 113.1 | 127.1 | 137.8 | 138.6 | 137.6 | 145.1 | 152.5 | 150.8 | 135.1 | 125.4 |
| 62.5      | 103.1 | 102.6 | 103.5 | 95.6  | 85.7  | 73.0  | 69.5  | 74.8  | 88.9  | 99.8  | 110.4 | 112.8 | 111.1 | 119.6 | 127.7 | 121.1 | 110.7 | 99.9  |
| 65.0      | 81.0  | 79.7  | 77.7  | 70.2  | 60.7  | 51.2  | 46.3  | 49.9  | 62.6  | 72.8  | 82.7  | 86.5  | 88.0  | 95.1  | 99.4  | 94.2  | 87.3  | 76.9  |
| 67.5      | 58.1  | 58.0  | 55.1  | 45.9  | 37.9  | 29.2  | 25.3  | 29.3  | 38.8  | 47.4  | 57.3  | 62.7  | 65.7  | 71.4  | 73.3  | 67.9  | 63.7  | 54.1  |
| 70.0      | 39.4  | 38.4  | 33.6  | 26.7  | 19.1  | 11.2  | 9.9   | 10.1  | 19.6  | 28.0  | 36.6  | 41.2  | 42.4  | 48.9  | 50.4  | 46.3  | 39.9  | 33.2  |
| 72.5      | 21.7  | 21.0  | 17.8  | 13.1  | 5.4   | 5.1   | 5.2   | 5.5   | 5.8   | 12.6  | 18.7  | 21.7  | 23.6  | 28.6  | 29.9  | 26.2  | 19.5  | 13.7  |

article code  
Azar Teyf Co.

lamp(s)  
1 x LED  
total flux  
10182 lm  
LOR  
100 %  
tilt angle  
0.0 °



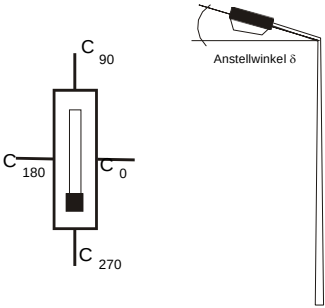


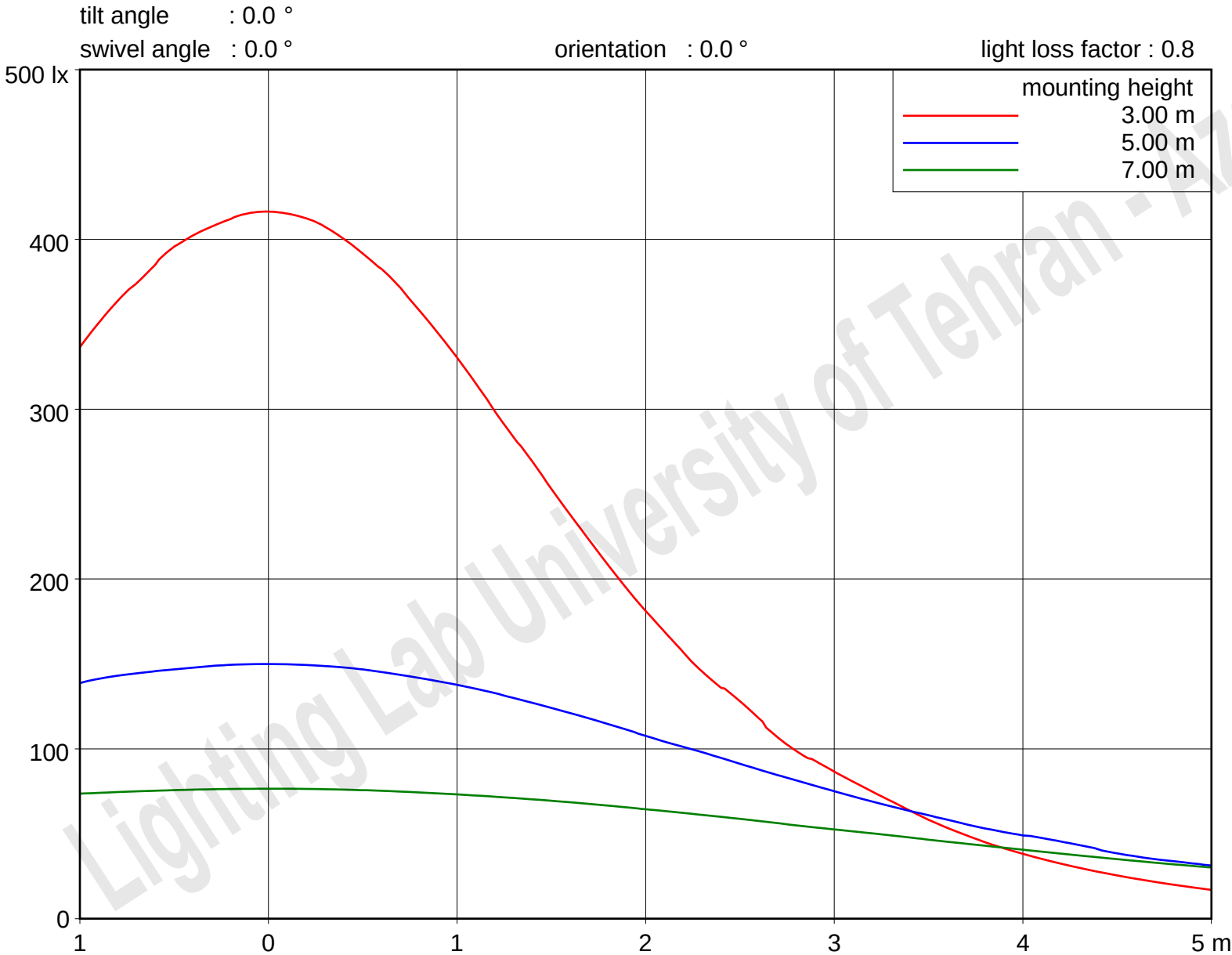
file : FLOODLIGHT\_LED\_100W\_6000K

| gamma / ° | C 270 | C 285 | C 300 | C 315 | C 330 | C 345 |
|-----------|-------|-------|-------|-------|-------|-------|
| 0.0       | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 | 460.1 |
| 2.5       | 461.7 | 462.0 | 461.9 | 461.4 | 460.6 | 459.9 |
| 5.0       | 459.9 | 460.8 | 461.1 | 460.5 | 459.5 | 458.4 |
| 7.5       | 456.7 | 457.4 | 456.5 | 456.1 | 456.3 | 455.3 |
| 10.0      | 448.0 | 450.0 | 450.2 | 451.2 | 451.9 | 451.6 |
| 12.5      | 442.5 | 443.1 | 442.1 | 443.3 | 445.9 | 446.7 |
| 15.0      | 429.0 | 432.6 | 433.5 | 434.3 | 438.0 | 439.9 |
| 17.5      | 423.3 | 422.5 | 421.9 | 424.3 | 427.6 | 432.1 |
| 20.0      | 407.4 | 411.4 | 411.2 | 413.5 | 417.0 | 422.6 |
| 22.5      | 394.2 | 397.2 | 397.9 | 399.9 | 406.4 | 409.0 |
| 25.0      | 382.5 | 384.0 | 384.6 | 387.2 | 392.4 | 397.3 |
| 27.5      | 366.1 | 370.4 | 370.9 | 373.8 | 377.5 | 384.2 |
| 30.0      | 354.4 | 354.8 | 354.5 | 358.5 | 363.3 | 368.3 |
| 32.5      | 338.9 | 340.7 | 342.0 | 342.8 | 348.8 | 352.5 |
| 35.0      | 326.0 | 325.1 | 325.9 | 328.0 | 331.9 | 337.8 |
| 37.5      | 309.1 | 309.5 | 311.1 | 311.2 | 316.7 | 321.0 |
| 40.0      | 296.9 | 296.1 | 295.5 | 295.0 | 299.1 | 302.6 |
| 42.5      | 283.2 | 284.4 | 281.6 | 278.5 | 281.6 | 285.3 |
| 45.0      | 265.4 | 270.1 | 267.3 | 262.6 | 264.2 | 268.5 |
| 47.5      | 240.0 | 247.8 | 252.1 | 247.3 | 248.3 | 252.9 |
| 50.0      | 220.4 | 223.9 | 233.2 | 230.7 | 231.7 | 230.1 |
| 52.5      | 194.9 | 196.6 | 207.5 | 214.6 | 211.2 | 205.1 |
| 55.0      | 168.8 | 173.3 | 181.1 | 196.2 | 187.8 | 182.7 |
| 57.5      | 144.0 | 150.3 | 158.7 | 169.8 | 165.4 | 156.2 |
| 60.0      | 120.5 | 125.4 | 134.7 | 144.0 | 140.4 | 131.0 |
| 62.5      | 98.1  | 99.9  | 109.9 | 115.5 | 118.2 | 107.7 |
| 65.0      | 70.8  | 78.2  | 84.8  | 87.7  | 92.4  | 84.6  |
| 67.5      | 51.1  | 53.2  | 61.7  | 62.8  | 66.5  | 64.0  |
| 70.0      | 28.5  | 31.7  | 38.5  | 41.9  | 45.1  | 43.7  |
| 72.5      | 10.7  | 13.5  | 19.6  | 24.2  | 26.6  | 26.0  |

article code  
Azar Teyf Co.

lamp(s)  
1 x LED  
total flux  
10182 lm  
LOR  
100 %  
tilt angle  
0.0 °





article code  
Azar Teyf Co.

lamp(s)  
1 x LED  
total flux  
10182 lm  
LOR  
100 %  
tilt angle  
0.0 °

