

file : HIGHBAYLIGHT_LED_HL100W_BETA_100W_6000K

meas. no. 03L1951
meas. date 4/28/2024
operator LightLab.

meas. conditions
ambient temperature 25.0 °C
voltage 230.00 V
current 0.433 A
power consumption 98.0 W
Leistungsfaktor 0.982

meas. lamps lum. flux [lm]
absolute measurement 10679.6 lm
luminous efficacy 109 lm/w

dimensions of luminaire
diameter 280 mm
height 90 mm

dimensions of luminous area
diameter 150 mm
height C0 20 mm
height C90 20 mm
height C180 20 mm
height C270 20 mm

reflector

cover

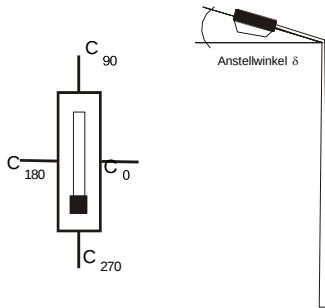
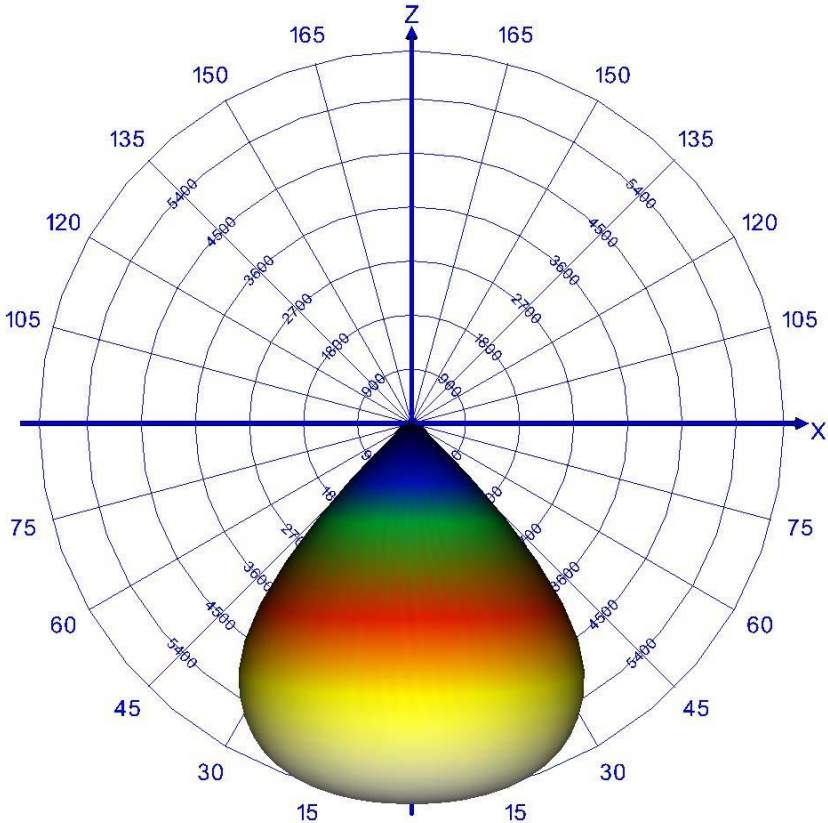
variant

measurement results
flux of luminaire 10679.6 lm
classification / DIN A60
lower flux fraction 100.00 %
upper flux fraction 0.00 %
intensity maximum 6239.3 cd
in C-plane 185.0 °
at gamma 10.0 °
half value angle C0 : 42.7 °
C90 : 42.4 °
C270 : 42.4 °
tenth value angle C0 : 50.7 °
C90 : 51.3 °
C270 : 51.3 °

article code
Azar Teyf Co.

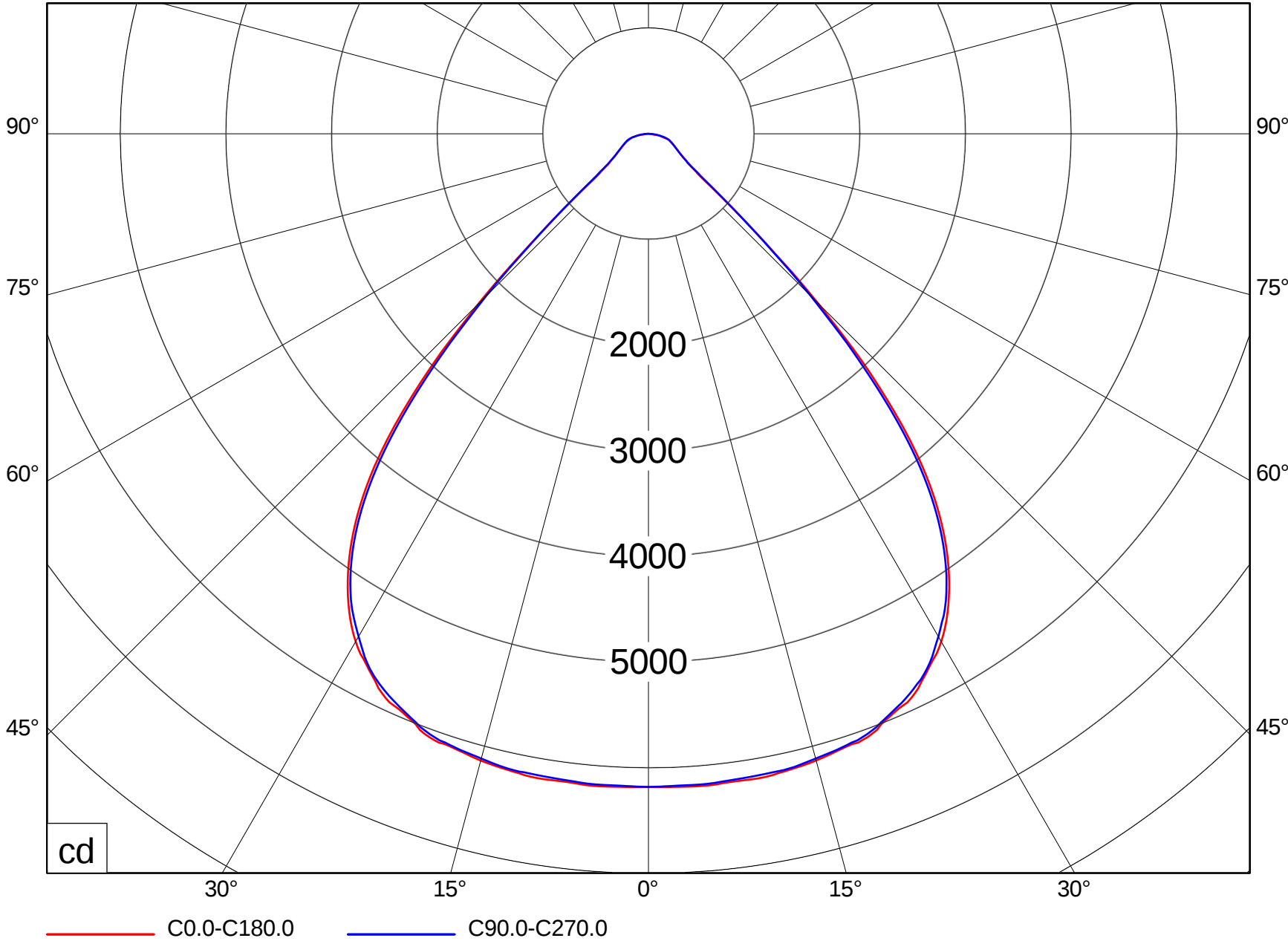
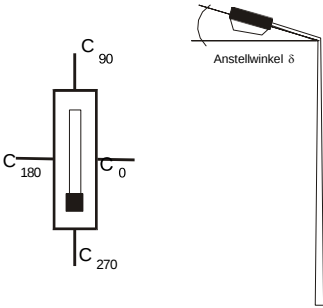
lamp(s)
1 x LED
total flux 10680 lm
LOR
100 %
tilt angle 0.0 °

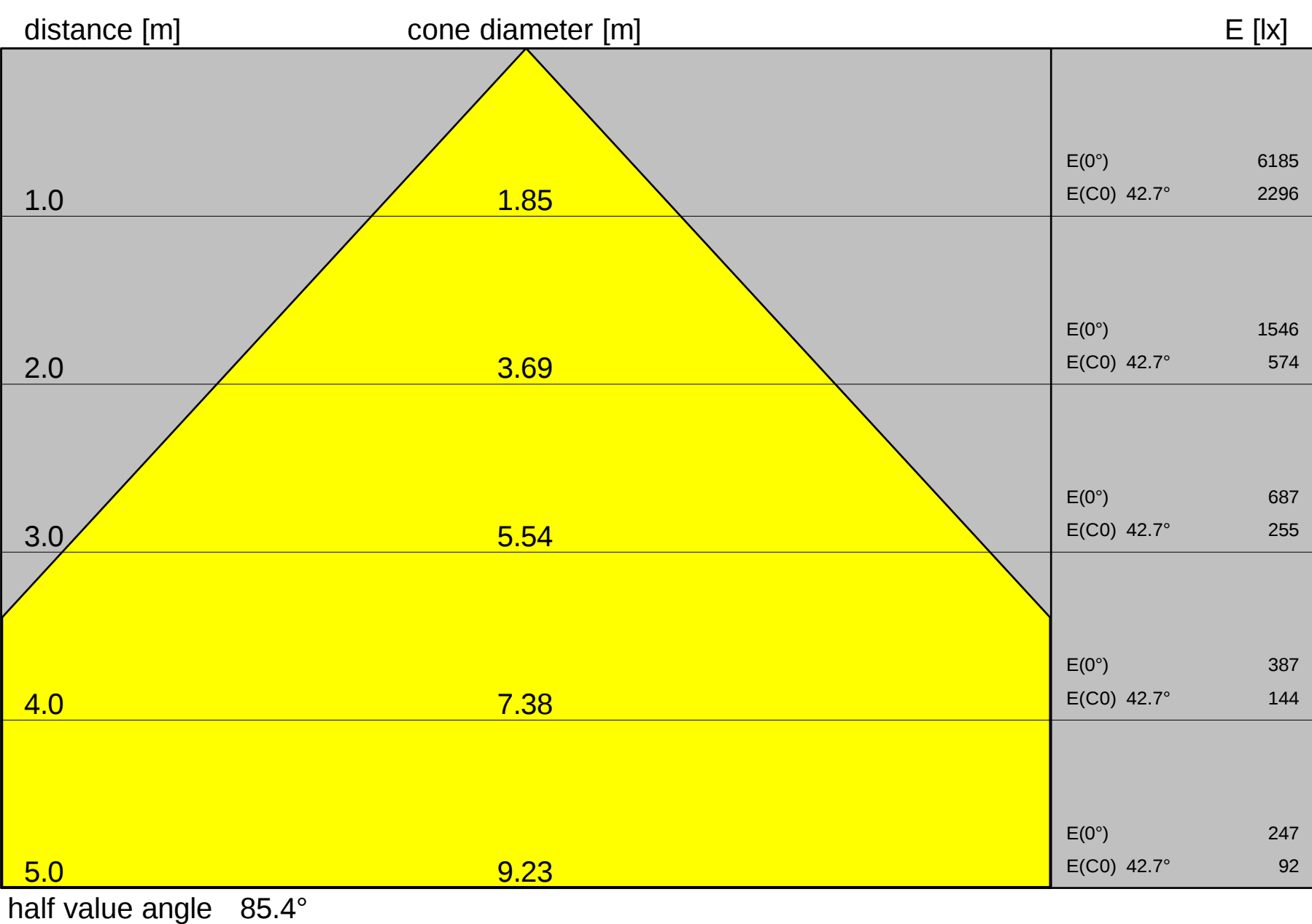
remarks



article code
Azar Teyf Co.

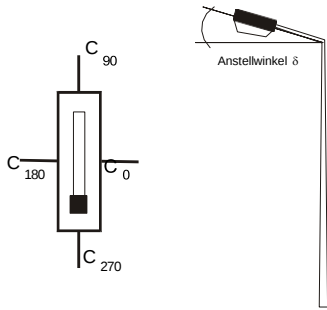
lamp(s)
1 x LED
total flux
10680 lm
LOR
100 %
tilt angle
0.0 °





article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
10680 lm
LOR
100 %
tilt angle
0.0 °

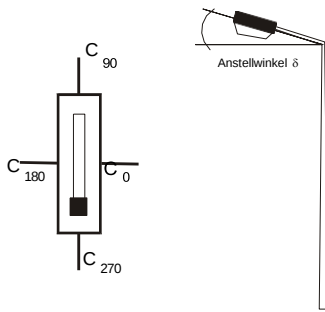
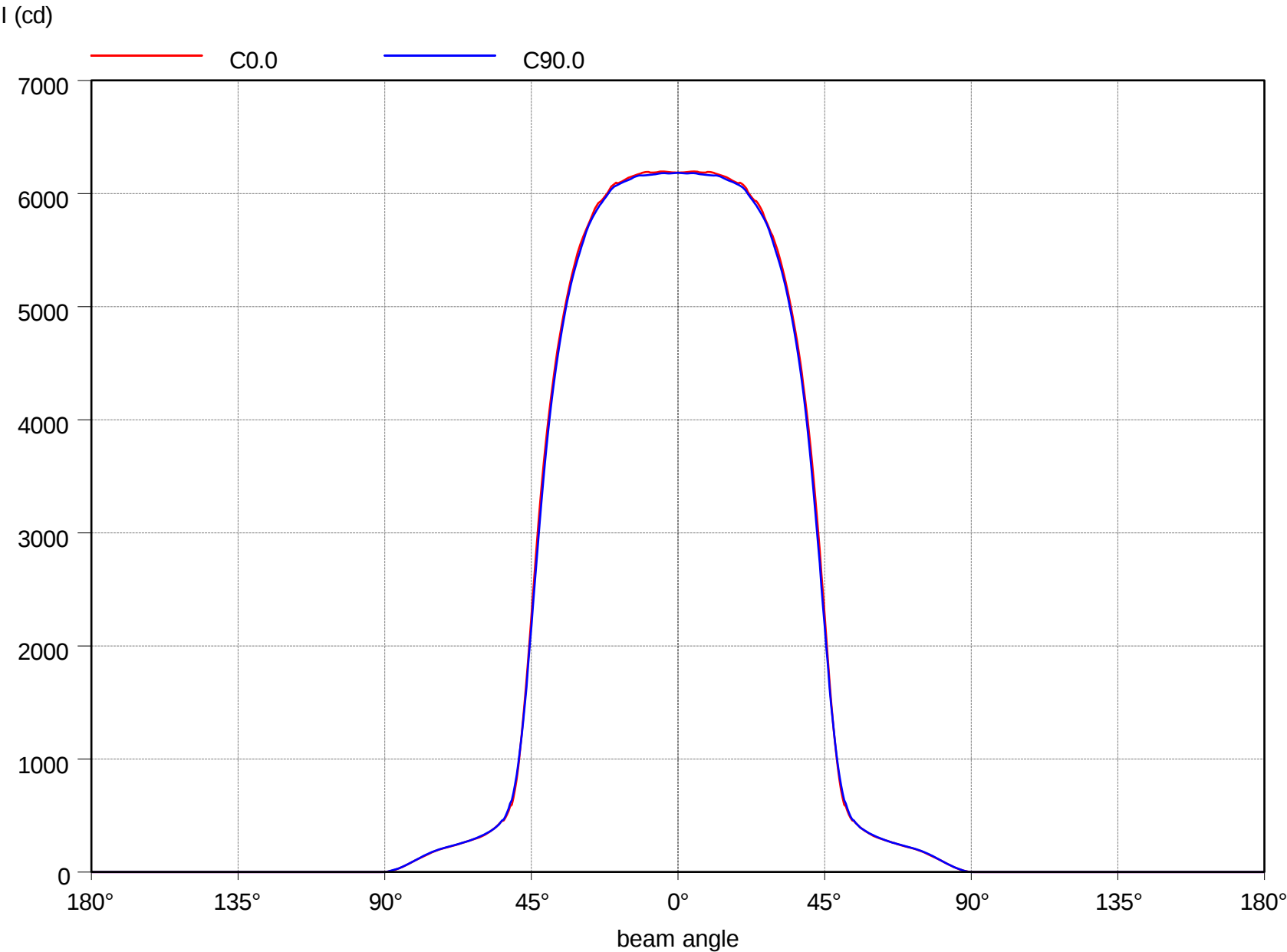


article code

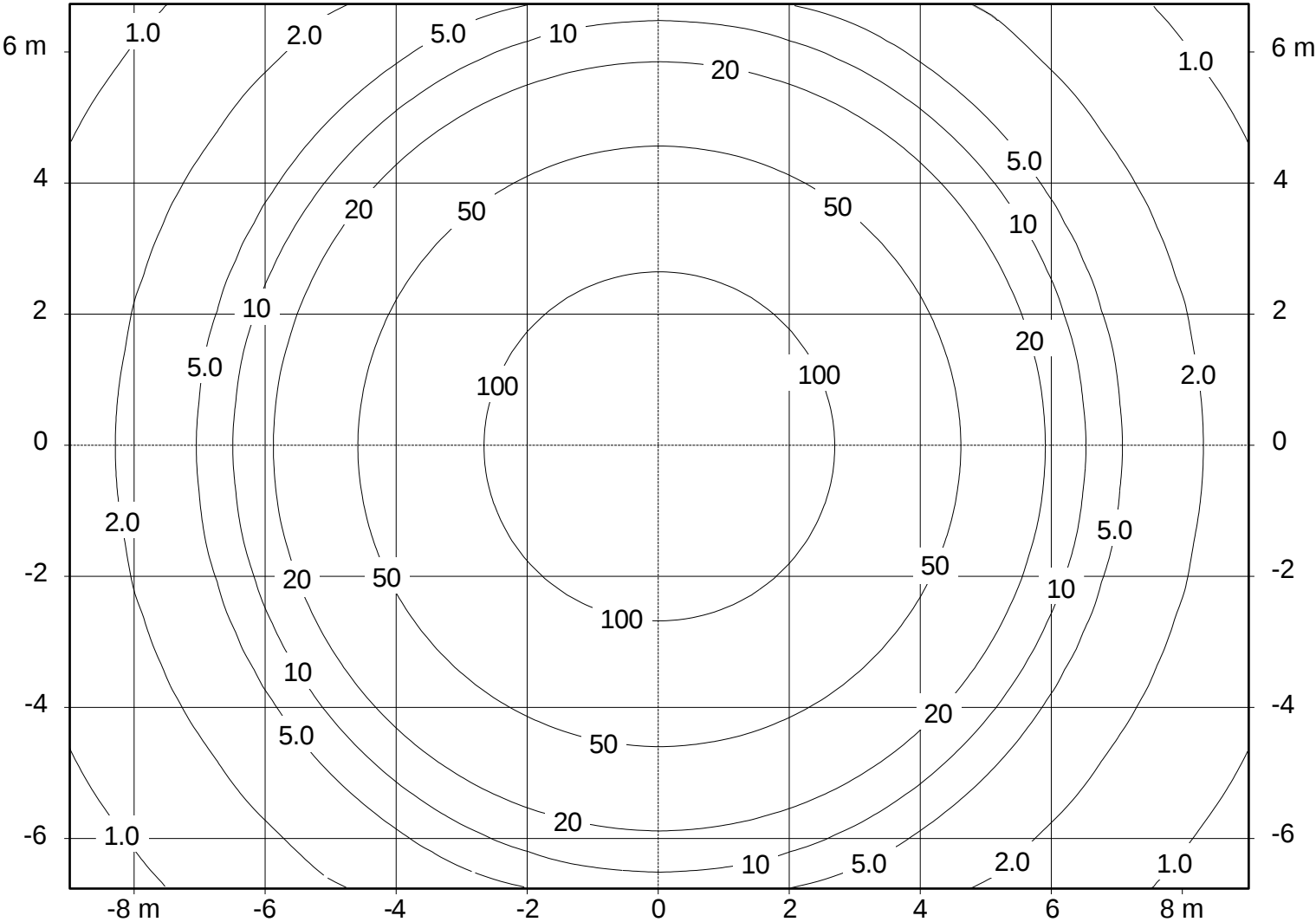
Azar Teyf Co.

lamp(s)

1 x LED
total flux
10680 lm
LOR
100 %
tilt angle
0.0 °

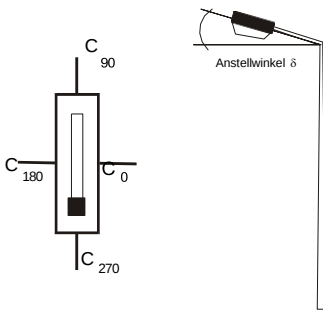


tilt angle : 0.0 °
swivel angle : 0.0 °
mounting height : 6.00 m
orientation : 0.0 °
light loss factor : 0.8



article code
Azar Teyf Co.

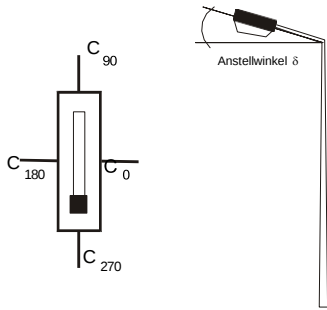
lamp(s)
1 x LED
total flux
10680 lm
LOR
100 %
tilt angle
0.0 °



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	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1	579.1
2.5	579.5	579.6	579.5	579.1	578.8	578.7	578.5	578.7	578.8	579.1	579.5	579.6	579.5	579.6	579.5	579.1	578.8	578.7
5.0	580.1	579.9	579.4	579.0	578.6	578.5	578.6	578.5	578.6	579.0	579.4	579.9	580.1	579.9	579.4	579.0	578.6	578.5
7.5	579.2	579.5	579.0	578.6	578.2	578.3	577.6	578.3	578.2	578.6	579.0	579.5	579.2	579.5	579.0	578.6	578.2	578.3
10.0	579.6	578.8	578.3	578.4	577.7	577.2	576.9	577.2	577.7	578.4	578.3	578.8	579.6	578.8	578.3	578.4	577.7	577.2
12.5	577.5	578.1	577.0	576.5	576.1	576.3	576.4	576.3	576.1	576.5	577.0	578.1	577.5	578.1	577.0	576.5	576.1	576.3
15.0	575.2	576.2	575.5	574.9	574.6	574.0	573.3	574.0	574.6	574.9	575.5	576.2	575.2	576.2	575.5	574.9	574.6	574.0
17.5	571.4	572.7	571.5	572.0	571.5	570.1	570.4	570.1	571.5	572.0	571.5	572.7	571.4	572.7	571.5	572.0	571.5	570.1
20.0	569.0	566.7	568.4	566.3	565.4	566.9	566.5	566.9	565.4	566.3	568.4	566.7	569.0	566.7	568.4	566.3	565.4	566.9
22.5	559.2	561.5	560.2	560.5	558.2	558.3	557.6	558.3	558.2	560.5	560.2	561.5	559.2	561.5	560.2	560.5	558.2	558.3
25.0	551.7	551.3	550.4	549.6	549.9	548.0	547.9	548.0	549.9	549.6	550.4	551.3	551.7	551.3	550.4	549.6	549.9	548.0
27.5	536.2	536.7	536.4	535.9	534.7	534.3	534.8	534.3	534.7	535.9	536.4	536.7	536.2	536.7	536.4	535.9	534.7	534.3
30.0	519.4	519.7	517.5	515.9	516.0	513.8	514.3	513.8	516.0	515.9	517.5	519.7	519.4	519.7	517.5	515.9	516.0	513.8
32.5	495.0	493.2	493.2	492.8	492.4	491.1	490.7	491.1	492.4	492.8	493.2	493.2	495.0	493.2	493.2	492.8	492.4	491.1
35.0	463.0	462.3	461.9	460.6	460.6	458.0	458.5	458.0	460.6	460.6	461.9	462.3	463.0	462.3	461.9	460.6	460.6	458.0
37.5	422.7	420.9	420.3	420.5	419.8	417.5	416.6	417.5	419.8	420.5	420.3	420.9	422.7	420.9	420.3	420.5	419.8	417.5
40.0	369.5	367.9	365.6	367.2	364.9	362.5	360.6	362.5	364.9	367.2	365.6	367.9	369.5	367.9	365.6	367.2	364.9	362.5
42.5	298.9	296.1	295.7	294.9	292.0	289.3	287.7	289.3	292.0	294.9	295.7	296.1	298.9	296.1	295.7	294.9	292.0	289.3
45.0	212.6	209.5	208.7	208.7	207.6	204.6	203.7	204.6	207.6	208.7	208.7	209.5	212.6	209.5	208.7	208.7	207.6	204.6
47.5	126.3	124.4	124.0	125.0	126.0	125.4	125.0	125.4	126.0	125.0	124.0	124.4	126.3	124.4	124.0	125.0	126.0	125.4
50.0	68.6	68.3	69.0	70.3	71.6	72.3	72.4	72.3	71.6	70.3	69.0	68.3	68.6	68.3	69.0	70.3	71.6	72.3
52.5	47.5	47.7	47.5	47.8	48.1	48.7	49.1	48.7	48.1	47.8	47.5	47.7	47.5	47.7	47.5	47.8	48.1	48.7
55.0	39.4	39.6	39.4	39.2	39.3	39.2	39.3	39.2	39.3	39.2	39.4	39.6	39.4	39.6	39.4	39.2	39.3	39.2
57.5	33.9	34.2	34.4	34.0	34.0	33.9	34.0	33.9	34.0	34.0	34.4	34.2	33.9	34.2	34.4	34.0	34.0	33.9
60.0	29.9	30.6	30.9	30.5	30.4	30.3	30.4	30.3	30.4	30.5	30.9	30.6	29.9	30.6	30.9	30.5	30.4	30.3
62.5	27.4	27.8	28.3	28.0	27.7	27.4	27.5	27.4	27.7	28.0	28.3	27.8	27.4	27.8	28.3	28.0	27.7	27.4
65.0	25.2	25.6	26.1	25.8	25.6	25.3	25.1	25.3	25.6	25.8	26.1	25.6	25.2	25.6	26.1	25.8	25.6	25.3
67.5	23.0	23.5	23.9	23.9	23.5	23.3	23.2	23.3	23.5	23.9	23.9	23.5	23.0	23.5	23.9	23.9	23.5	23.3
70.0	21.1	21.4	22.0	21.8	21.6	21.2	21.2	21.2	21.6	21.8	22.0	21.4	21.1	21.4	22.0	21.8	21.6	21.2
72.5	19.3	19.4	19.7	19.6	19.5	19.3	19.6	19.3	19.5	19.6	19.7	19.4	19.3	19.4	19.7	19.6	19.5	19.3
75.0	16.9	16.9	17.4	17.3	17.1	17.1	17.1	17.1	17.1	17.3	17.4	16.9	16.9	16.9	17.4	17.3	17.1	17.1
77.5	13.8	14.0	14.5	14.3	14.2	14.1	14.2	14.1	14.2	14.3	14.5	14.0	13.8	14.0	14.5	14.3	14.2	14.1
80.0	10.6	10.7	10.9	10.9	10.8	10.7	10.6	10.7	10.8	10.9	10.9	10.7	10.6	10.7	10.9	10.9	10.8	10.7

article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
10680 lm
LOR
100 %
tilt angle
0.0 °

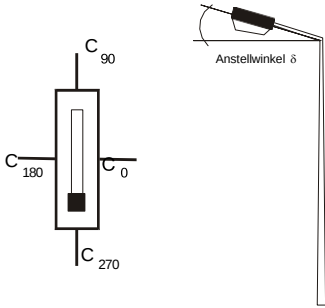


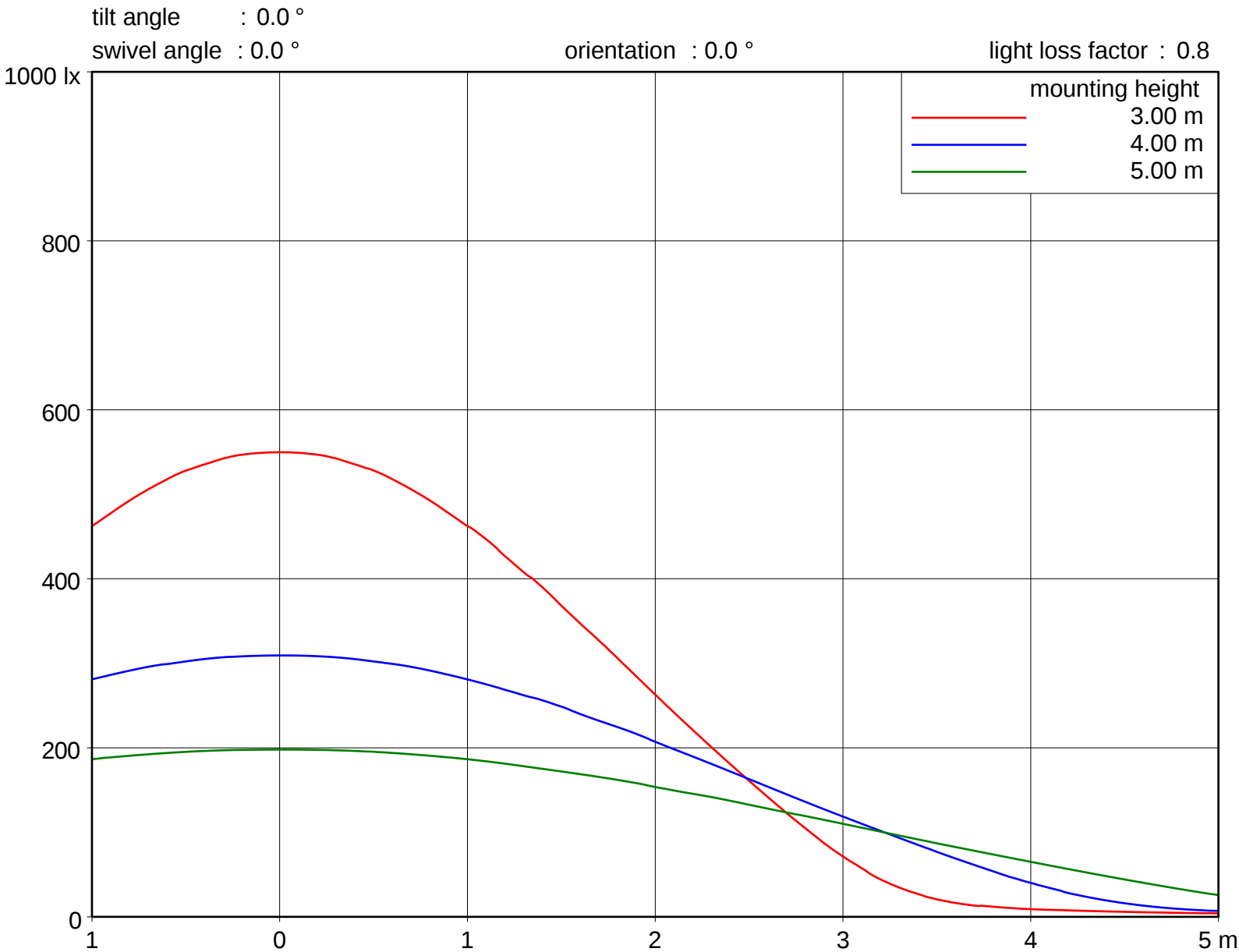
file : HIGHBAYLIGHT_LED_HL100W_BETA_100W_6000K

gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	579.1	579.1	579.1	579.1	579.1	579.1
2.5	578.5	578.7	578.8	579.1	579.5	579.6
5.0	578.6	578.5	578.6	579.0	579.4	579.9
7.5	577.6	578.3	578.2	578.6	579.0	579.5
10.0	576.9	577.2	577.7	578.4	578.3	578.8
12.5	576.4	576.3	576.1	576.5	577.0	578.1
15.0	573.3	574.0	574.6	574.9	575.5	576.2
17.5	570.4	570.1	571.5	572.0	571.5	572.7
20.0	566.5	566.9	565.4	566.3	568.4	566.7
22.5	557.6	558.3	558.2	560.5	560.2	561.5
25.0	547.9	548.0	549.9	549.6	550.4	551.3
27.5	534.8	534.3	534.7	535.9	536.4	536.7
30.0	514.3	513.8	516.0	515.9	517.5	519.7
32.5	490.7	491.1	492.4	492.8	493.2	493.2
35.0	458.5	458.0	460.6	460.6	461.9	462.3
37.5	416.6	417.5	419.8	420.5	420.3	420.9
40.0	360.6	362.5	364.9	367.2	365.6	367.9
42.5	287.7	289.3	292.0	294.9	295.7	296.1
45.0	203.7	204.6	207.6	208.7	208.7	209.5
47.5	125.0	125.4	126.0	125.0	124.0	124.4
50.0	72.4	72.3	71.6	70.3	69.0	68.3
52.5	49.1	48.7	48.1	47.8	47.5	47.7
55.0	39.3	39.2	39.3	39.2	39.4	39.6
57.5	34.0	33.9	34.0	34.0	34.4	34.2
60.0	30.4	30.3	30.4	30.5	30.9	30.6
62.5	27.5	27.4	27.7	28.0	28.3	27.8
65.0	25.1	25.3	25.6	25.8	26.1	25.6
67.5	23.2	23.3	23.5	23.9	23.9	23.5
70.0	21.2	21.2	21.6	21.8	22.0	21.4
72.5	19.6	19.3	19.5	19.6	19.7	19.4
75.0	17.1	17.1	17.1	17.3	17.4	16.9
77.5	14.2	14.1	14.2	14.3	14.5	14.0
80.0	10.6	10.7	10.8	10.9	10.9	10.7

article code
Azar Teyf Co.

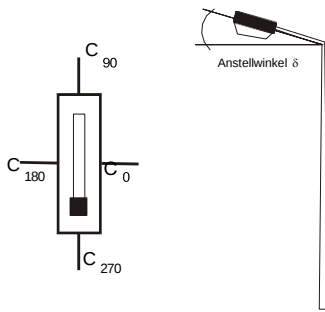
lamp(s)
1 x LED
total flux
10680 lm
LOR
100 %
tilt angle
0.0 °





article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
10680 lm
LOR
100 %
tilt angle
0.0 °



class		glare rating for illuminance (lx)									
A	A	1000	750	500	--	≤ 300					
1	B	2000	1500	1000	750	500	≤ 300				
2	D					2000	1000	500	≤ 300		
3	E						2000	1000	500	≤ 300	

article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
10680 lm
LOR
100 %
tilt angle
0.0 °

