

file : HIGHBAYLIGHT_LED_HL50W_BETA_50W_6000K

meas. no. 03L1950
meas. date 4/28/2024
operator LightLab.

meas. conditions
ambient temperature 25.0 °C
voltage 230.00 V
current 0.217 A
power consumption 49.2 W
Leistungsfaktor 0.982

meas. lamps lum. flux [lm]
absolute measurement 5321.3 lm
luminous efficacy 108 lm/w

dimensions of luminaire
diameter 230 mm
height 110 mm

dimensions of luminous area
diameter 130 mm
height C0 20 mm
height C90 20 mm
height C180 20 mm
height C270 20 mm

reflector

cover

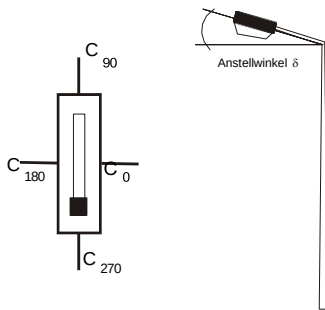
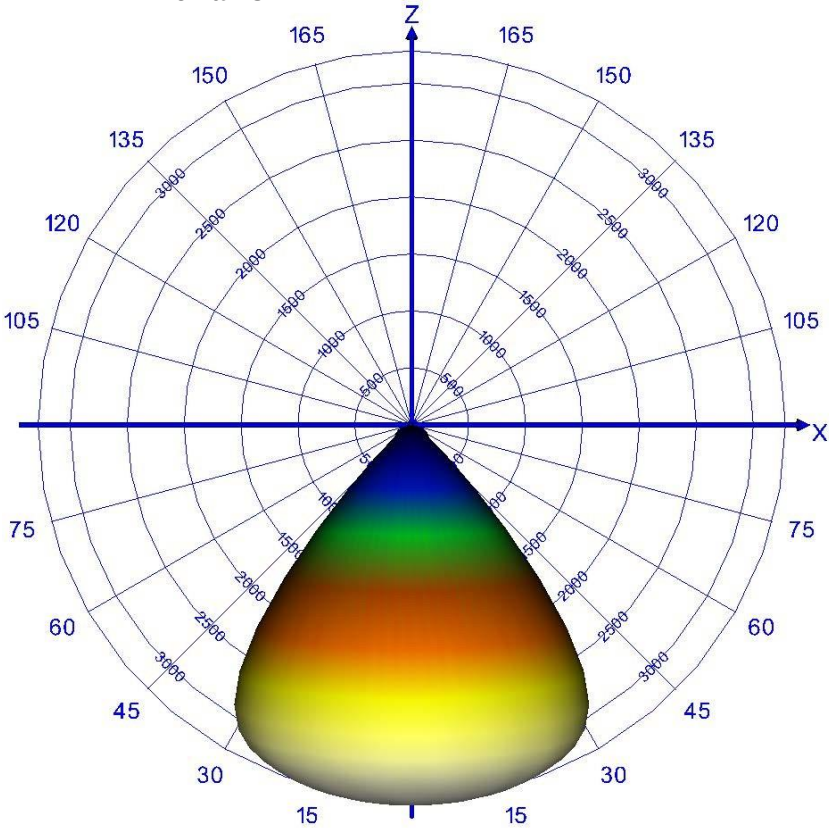
variant

measurement results
flux of luminaire 5321.3 lm
classification / DIN A60
lower flux fraction 100.00 %
upper flux fraction 0.00 %
intensity maximum 3323.5 cd
in C-plane 20.0 °
at gamma 7.5 °
half value angle C0 : 40.6 °
C90 : 40.5 °
C270 : 40.5 °
tenth value angle C0 : 49.1 °
C90 : 48.6 °
C270 : 48.6 °

article code
Azar Teyf Co.

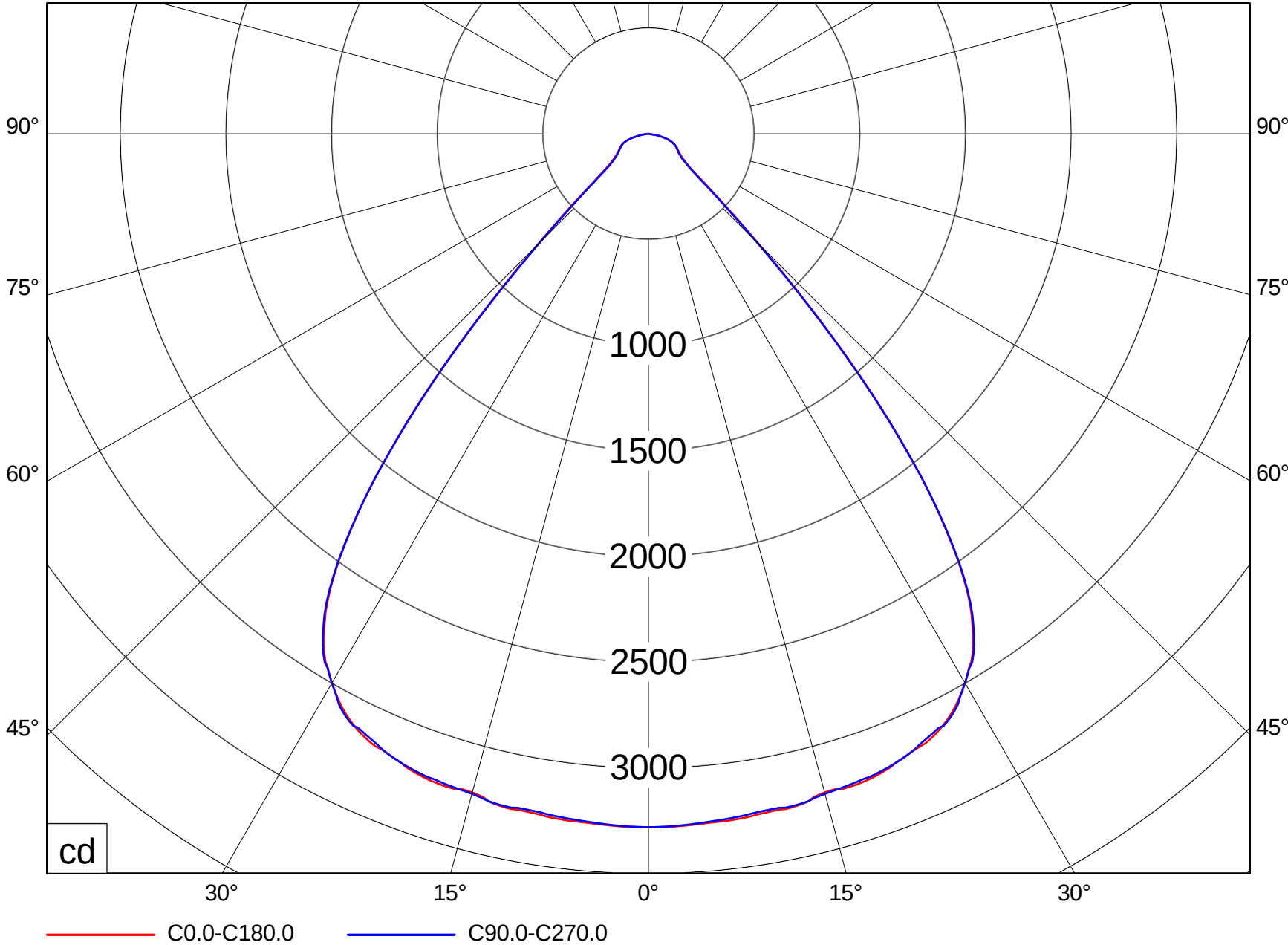
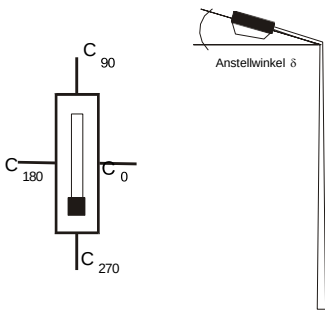
lamp(s)
1 x LED
total flux 5321 lm
LOR
100 %
tilt angle 0.0 °

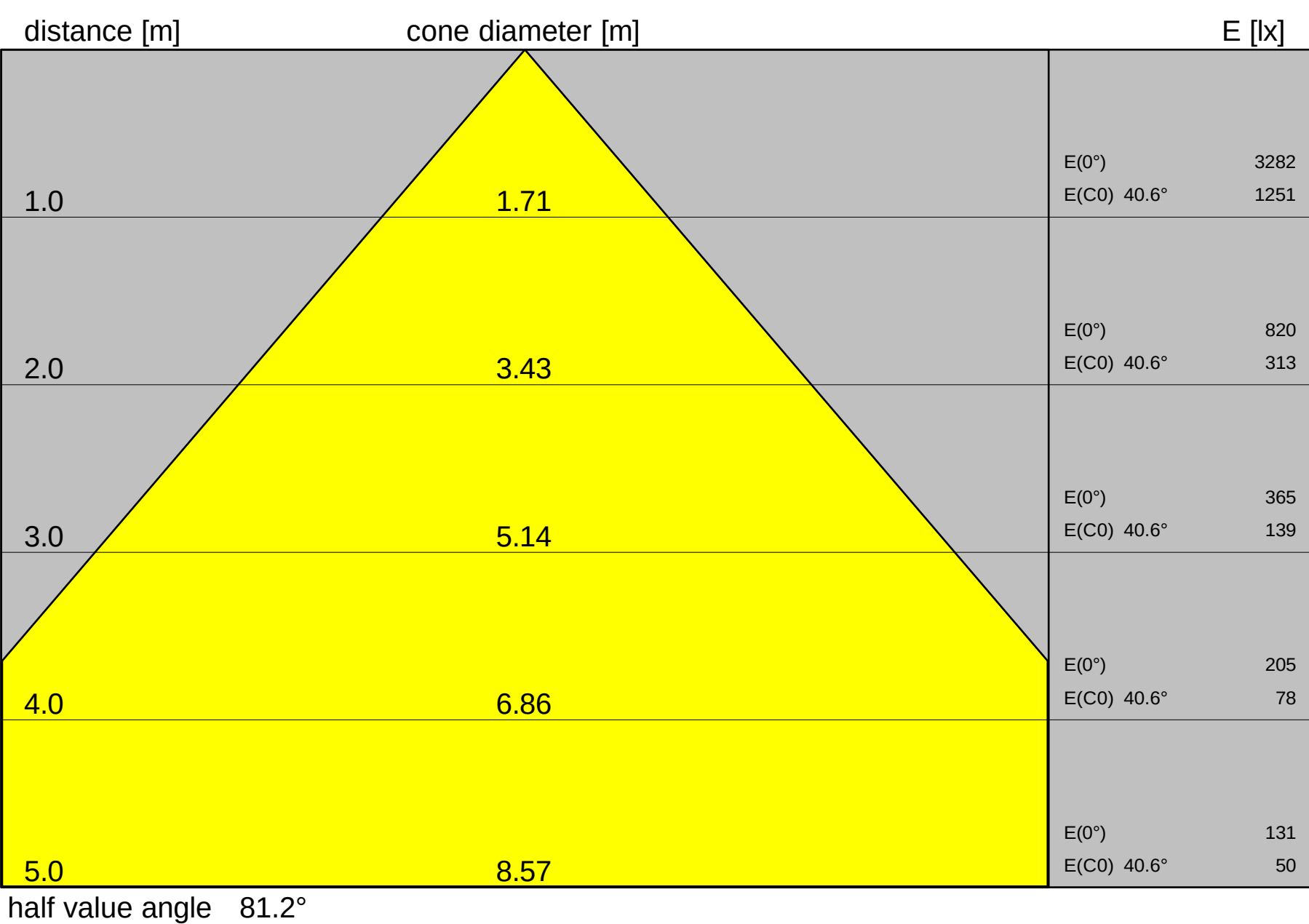
remarks



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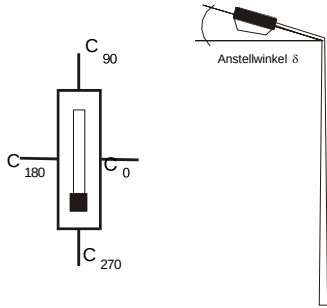
lamp(s)
1 x LED
total flux
5321 lm
LOR
100 %
tilt angle
0.0 °





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lamp(s)
 1 x LED
 total flux
 5321 lm
 LOR
 100 %
 tilt angle
 0.0 °



article code

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lamp(s)

1 x LED

total flux

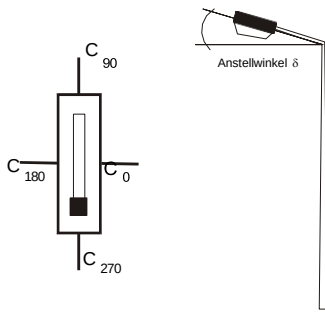
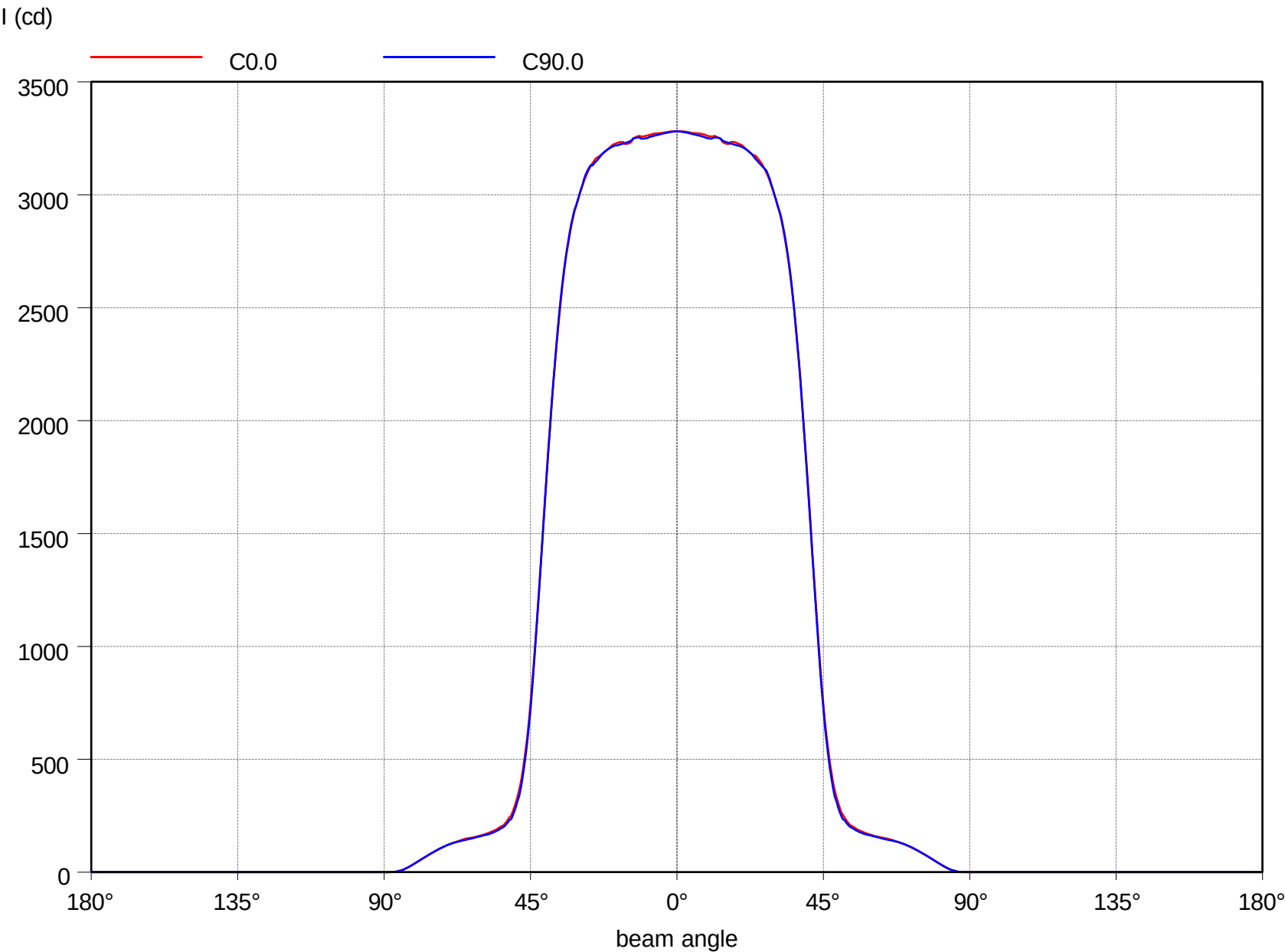
5321 lm

LOR

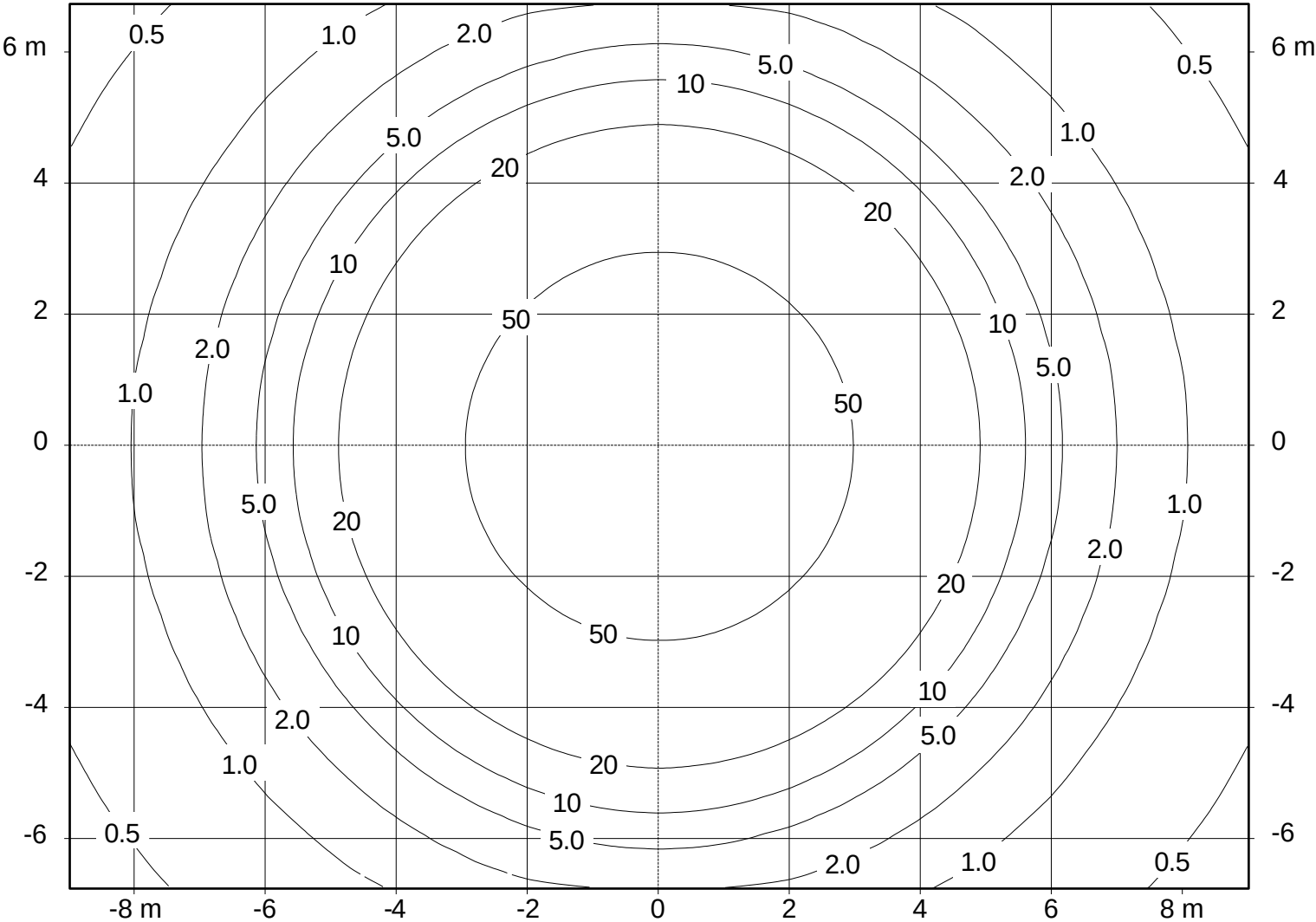
100 %

tilt angle

0.0 °

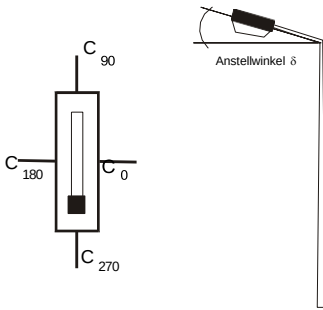


tilt angle : 0.0 °
swivel angle : 0.0 °
mounting height : 6.00 m
orientation : 0.0 °
light loss factor : 0.8



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1 x LED
total flux
5321 lm
LOR
100 %
tilt angle
0.0 °

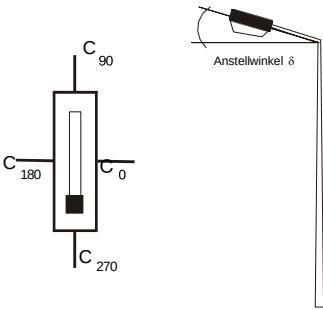


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gamma / °	C 0	C 15	C 30	C 45	C 60	C 75	C 90	C 105	C 120	C 135	C 150	C 165	C 180	C 195	C 210	C 225	C 240	C 255
0.0	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7
2.5	616.3	616.5	616.7	616.5	616.0	615.9	615.9	615.9	616.0	616.5	616.7	616.5	616.3	616.5	616.7	616.5	616.0	615.9
5.0	615.2	615.5	614.7	615.0	614.7	614.7	614.3	614.7	614.7	615.0	614.7	615.5	615.2	615.5	614.7	615.0	614.7	614.7
7.5	614.5	615.5	613.9	613.3	613.2	612.7	612.6	612.7	613.2	613.3	613.9	615.5	614.5	615.5	613.9	613.3	613.2	612.7
10.0	612.6	612.7	612.1	612.5	611.2	611.5	610.7	611.5	611.2	612.5	612.1	612.7	612.6	612.7	612.1	612.5	611.2	611.5
12.5	612.0	611.0	608.8	608.9	610.2	610.1	611.3	610.1	610.2	608.9	608.8	611.0	612.0	611.0	608.8	608.9	610.2	610.1
15.0	606.5	609.3	610.5	607.0	608.7	607.5	607.7	607.5	608.7	607.0	610.5	609.3	606.5	609.3	610.5	607.0	608.7	607.5
17.5	607.7	606.9	607.5	607.0	605.2	605.5	605.7	605.5	605.2	607.0	607.5	606.9	607.7	606.9	607.5	607.0	605.2	605.5
20.0	605.0	604.8	603.1	602.9	603.0	601.9	603.7	601.9	603.0	602.9	603.1	604.8	605.0	604.8	603.1	602.9	603.0	601.9
22.5	598.8	600.2	598.1	597.4	597.7	600.5	599.0	600.5	597.7	597.4	598.1	600.2	598.8	600.2	598.1	597.4	597.7	600.5
25.0	593.8	592.7	592.5	592.1	592.7	592.9	591.2	592.9	592.7	592.1	592.5	592.7	593.8	592.7	592.5	592.1	592.7	592.9
27.5	582.3	583.8	584.0	582.1	581.5	583.5	583.9	583.5	581.5	582.1	584.0	583.8	582.3	583.8	584.0	582.1	581.5	583.5
30.0	563.5	565.9	565.4	564.4	562.3	565.6	563.6	565.6	562.3	564.4	565.4	565.9	563.5	565.9	565.4	564.4	562.3	565.6
32.5	537.6	536.4	537.8	537.4	538.4	536.4	539.2	536.4	538.4	537.4	537.8	536.4	537.6	536.4	537.8	537.4	538.4	536.4
35.0	493.1	492.4	491.8	491.3	492.4	491.1	494.6	491.1	492.4	491.3	491.8	492.4	493.1	492.4	491.8	491.3	492.4	491.1
37.5	423.6	423.6	425.2	423.4	423.9	424.4	424.1	424.4	423.9	423.4	425.2	423.6	423.6	423.6	425.2	423.4	423.9	424.4
40.0	333.2	331.1	330.8	331.9	330.0	332.8	331.8	332.8	330.0	331.9	330.8	331.1	333.2	331.1	330.8	331.9	330.0	332.8
42.5	230.9	228.3	228.0	227.9	227.0	227.1	228.4	227.1	227.0	227.9	228.0	228.3	230.9	228.3	228.0	227.9	227.0	227.1
45.0	139.7	138.4	137.9	137.8	136.0	134.6	136.3	134.6	136.0	137.8	137.9	138.4	139.7	138.4	137.9	137.8	136.0	134.6
47.5	82.7	81.3	80.8	80.2	78.7	78.0	77.9	78.0	78.7	80.2	80.8	81.3	82.7	81.3	80.8	80.2	78.7	78.0
50.0	53.7	53.3	52.6	51.8	50.9	50.6	50.3	50.6	50.9	51.8	52.6	53.3	53.7	53.3	52.6	51.8	50.9	50.6
52.5	41.7	41.4	41.0	40.4	40.0	39.8	39.8	39.8	40.0	40.4	41.0	41.4	41.7	41.4	41.0	40.4	40.0	39.8
55.0	36.3	36.1	36.0	35.3	35.8	35.1	35.0	35.1	35.8	35.3	36.0	36.1	36.3	36.1	36.0	35.3	35.8	35.1
57.5	33.1	33.1	33.0	32.5	32.8	32.6	32.0	32.6	32.8	32.5	33.0	33.1	33.1	33.1	33.0	32.5	32.8	32.6
60.0	30.8	30.8	30.9	30.7	30.7	30.6	30.2	30.6	30.7	30.7	30.9	30.8	30.8	30.8	30.9	30.7	30.7	30.6
62.5	29.0	29.4	29.1	28.9	28.8	29.0	28.5	29.0	28.8	28.9	29.1	29.4	29.0	29.4	29.1	28.9	28.8	29.0
65.0	27.8	27.6	27.3	27.3	27.1	27.5	26.9	27.5	27.1	27.3	27.3	27.6	27.8	27.6	27.3	27.3	27.1	27.5
67.5	25.6	25.6	25.6	25.3	25.6	25.5	25.4	25.5	25.6	25.3	25.6	25.6	25.6	25.6	25.6	25.3	25.6	25.5
70.0	23.2	23.3	23.4	22.9	23.5	23.2	23.3	23.2	23.5	22.9	23.4	23.3	23.2	23.3	23.4	22.9	23.5	23.2
72.5	20.1	20.2	20.3	19.7	20.4	20.3	20.3	20.3	20.4	19.7	20.3	20.2	20.1	20.2	20.3	19.7	20.4	20.3
75.0	16.3	16.8	16.7	16.4	16.7	16.7	16.6	16.7	16.7	16.4	16.7	16.8	16.3	16.8	16.7	16.4	16.7	16.7
77.5	12.6	12.7	12.6	12.2	12.9	12.8	12.4	12.8	12.9	12.2	12.6	12.7	12.6	12.7	12.6	12.2	12.9	12.8

article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
5321 lm
LOR
100 %
tilt angle
0.0 °

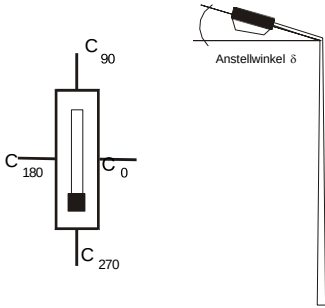


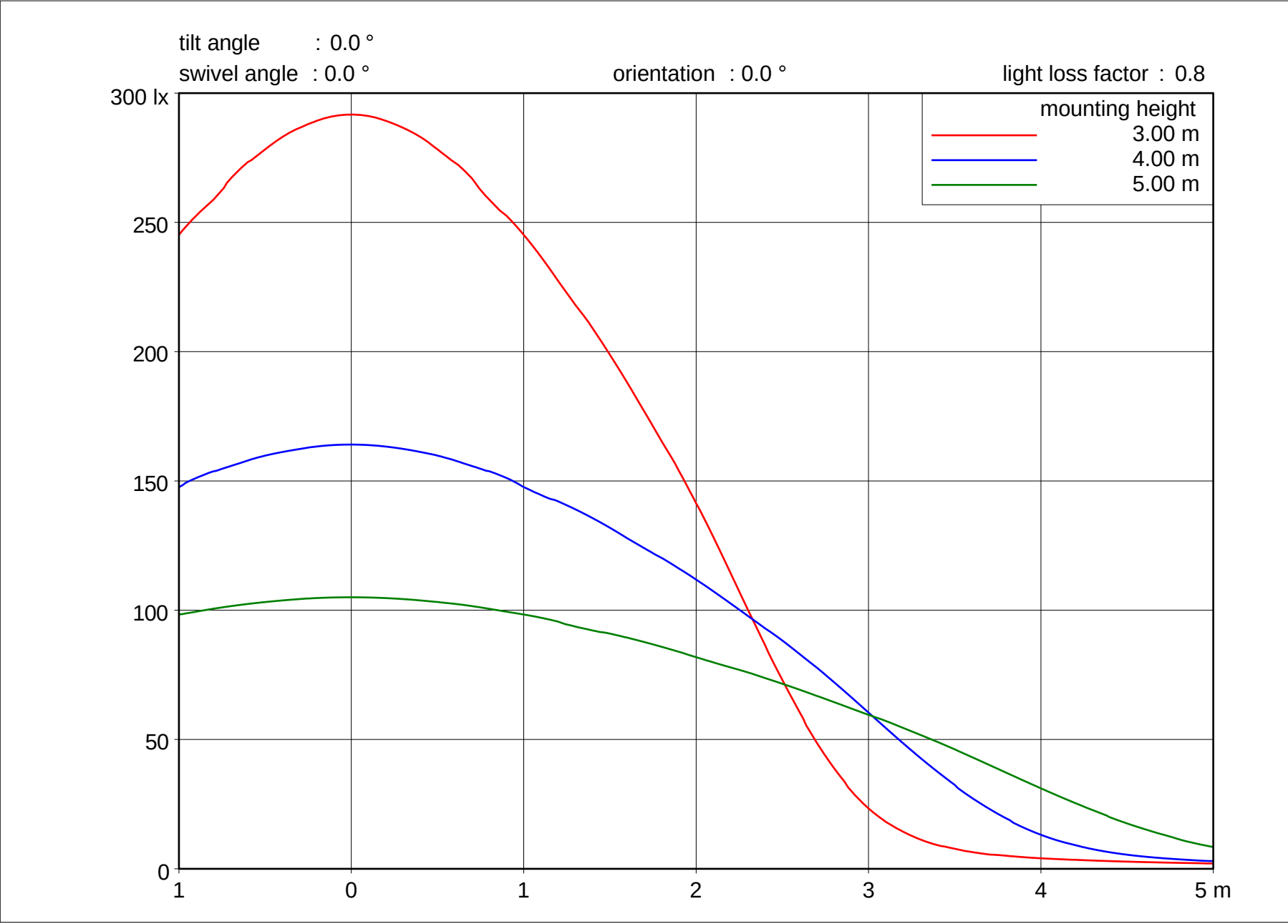
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gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	616.7	616.7	616.7	616.7	616.7	616.7
2.5	615.9	615.9	616.0	616.5	616.7	616.5
5.0	614.3	614.7	614.7	615.0	614.7	615.5
7.5	612.6	612.7	613.2	613.3	613.9	615.5
10.0	610.7	611.5	611.2	612.5	612.1	612.7
12.5	611.3	610.1	610.2	608.9	608.8	611.0
15.0	607.7	607.5	608.7	607.0	610.5	609.3
17.5	605.7	605.5	605.2	607.0	607.5	606.9
20.0	603.7	601.9	603.0	602.9	603.1	604.8
22.5	599.0	600.5	597.7	597.4	598.1	600.2
25.0	591.2	592.9	592.7	592.1	592.5	592.7
27.5	583.9	583.5	581.5	582.1	584.0	583.8
30.0	563.6	565.6	562.3	564.4	565.4	565.9
32.5	539.2	536.4	538.4	537.4	537.8	536.4
35.0	494.6	491.1	492.4	491.3	491.8	492.4
37.5	424.1	424.4	423.9	423.4	425.2	423.6
40.0	331.8	332.8	330.0	331.9	330.8	331.1
42.5	228.4	227.1	227.0	227.9	228.0	228.3
45.0	136.3	134.6	136.0	137.8	137.9	138.4
47.5	77.9	78.0	78.7	80.2	80.8	81.3
50.0	50.3	50.6	50.9	51.8	52.6	53.3
52.5	39.8	39.8	40.0	40.4	41.0	41.4
55.0	35.0	35.1	35.8	35.3	36.0	36.1
57.5	32.0	32.6	32.8	32.5	33.0	33.1
60.0	30.2	30.6	30.7	30.7	30.9	30.8
62.5	28.5	29.0	28.8	28.9	29.1	29.4
65.0	26.9	27.5	27.1	27.3	27.3	27.6
67.5	25.4	25.5	25.6	25.3	25.6	25.6
70.0	23.3	23.2	23.5	22.9	23.4	23.3
72.5	20.3	20.3	20.4	19.7	20.3	20.2
75.0	16.6	16.7	16.7	16.4	16.7	16.8
77.5	12.4	12.8	12.9	12.2	12.6	12.7

article code
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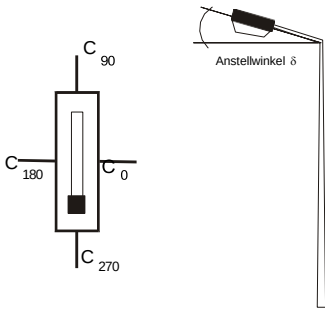
lamp(s)
1 x LED
total flux
5321 lm
LOR
100 %
tilt angle
0.0 °





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1 x LED
total flux
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LOR
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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

