

file : FLOODLIGHT_LED_FL100W_ALFA_100W_6000K

meas. no. 03L1947
meas. date 4/27/2024
operator LightLab.

meas. conditions
ambient temperature 25.0 °C
voltage 230.00 V
current 0.426 A
power consumption 96.3 W
Leistungsfaktor 0.980

meas. lamps lum. flux [lm]
absolute measurement 10489.7 lm
luminous efficacy 109 lm/w

dimensions of luminaire
length 295 mm
width 250 mm
height 45 mm

dimensions of luminous area
length 100 mm
width 150 mm
height C0 30 mm
height C90 30 mm
height C180 30 mm
height C270 30 mm

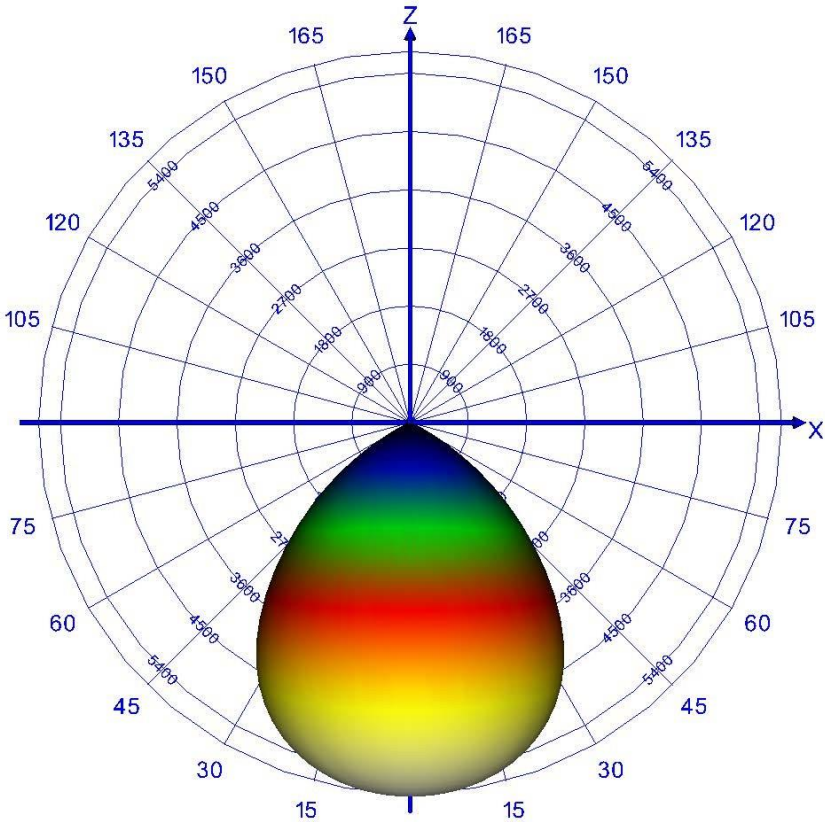
reflector

cover

variant

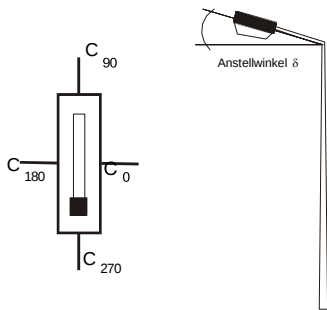
measurement results
flux of luminaire 10489.7 lm
classification / DIN A50
lower flux fraction 100.00 %
upper flux fraction 0.00 %
intensity maximum 5970.4 cd
in C-plane 322.5 °
at gamma 2.5 °
half value angle C0 : 43.9 °
C90 : 43.5 °
C270 : 43.5 °
tenth value angle C0 : 60.7 °
C90 : 60.5 °
C270 : 60.5 °

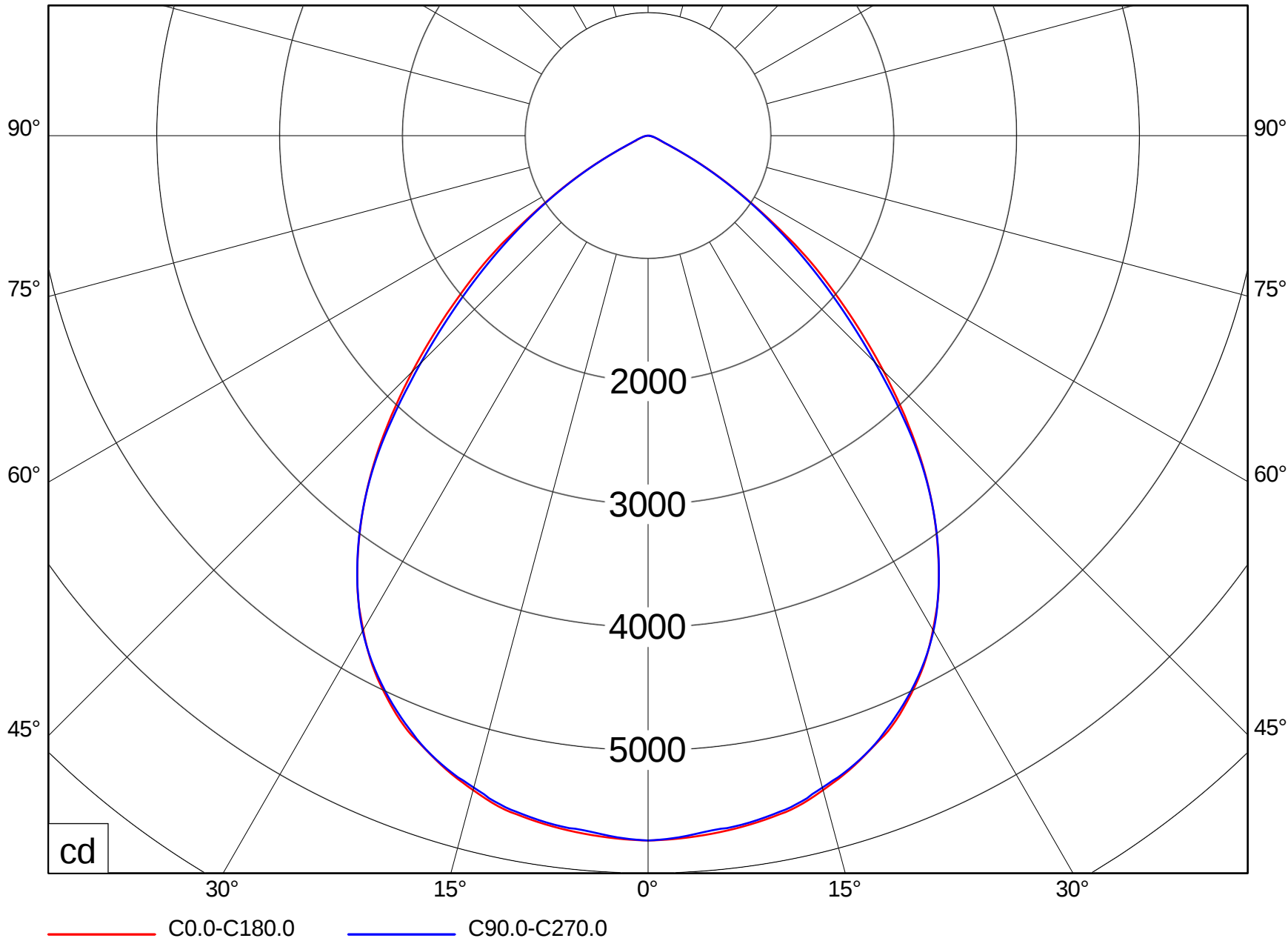
remarks



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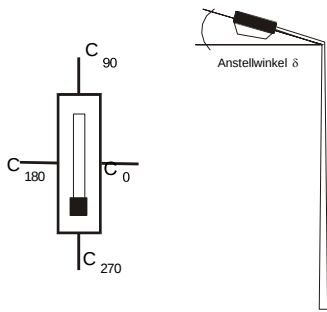
lamp(s)
1 x LED
total flux 10490 lm
LOR
100 %
tilt angle 0.0 °

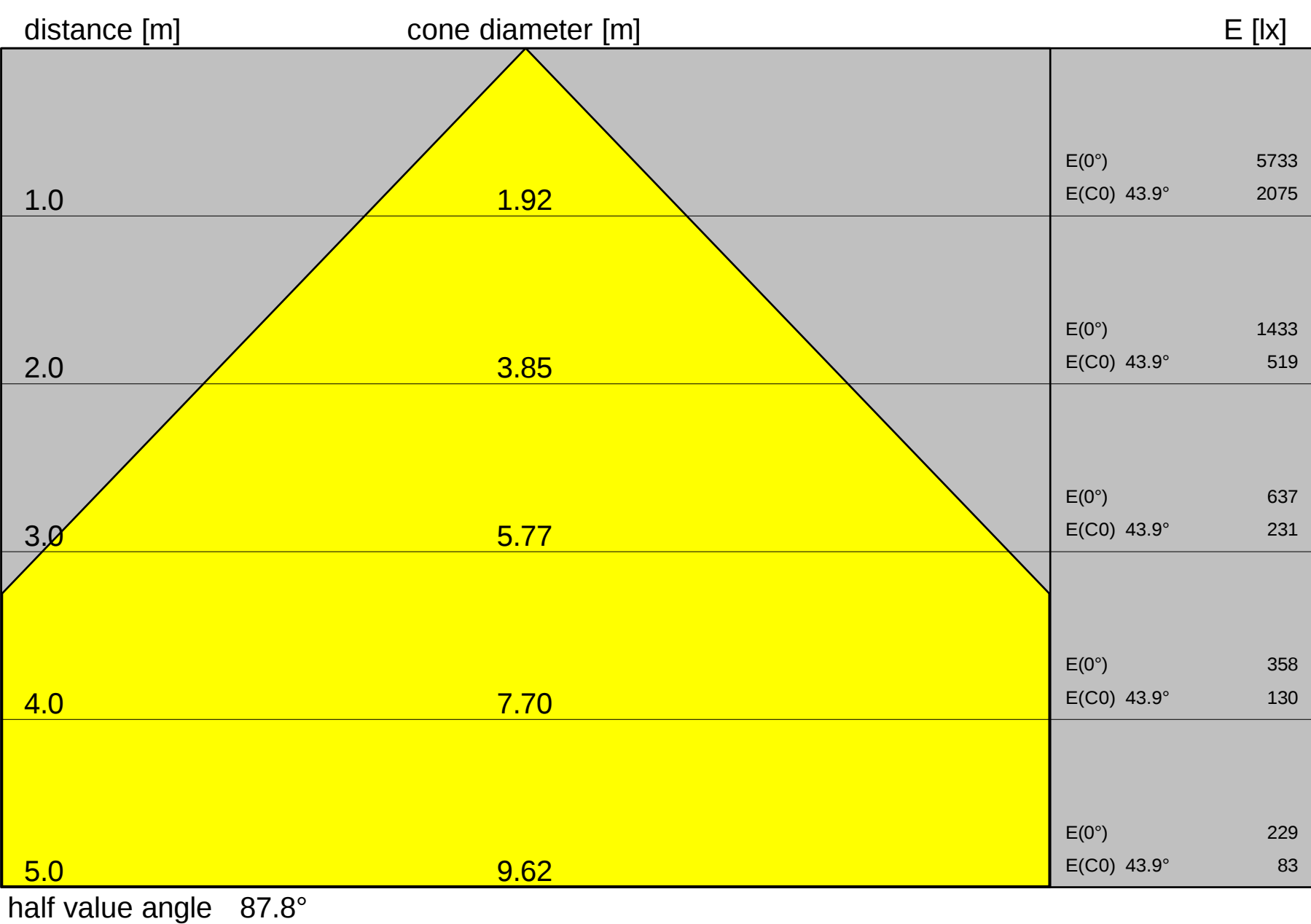




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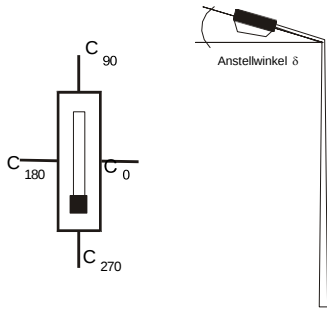
lamp(s)
1 x LED
total flux
10490 lm
LOR
100 %
tilt angle
0.0 °





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1 x LED
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10490 lm
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tilt angle
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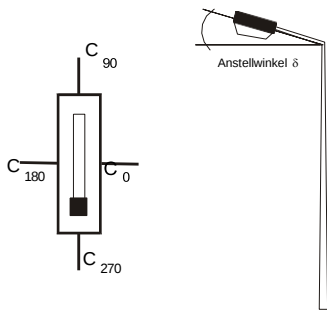
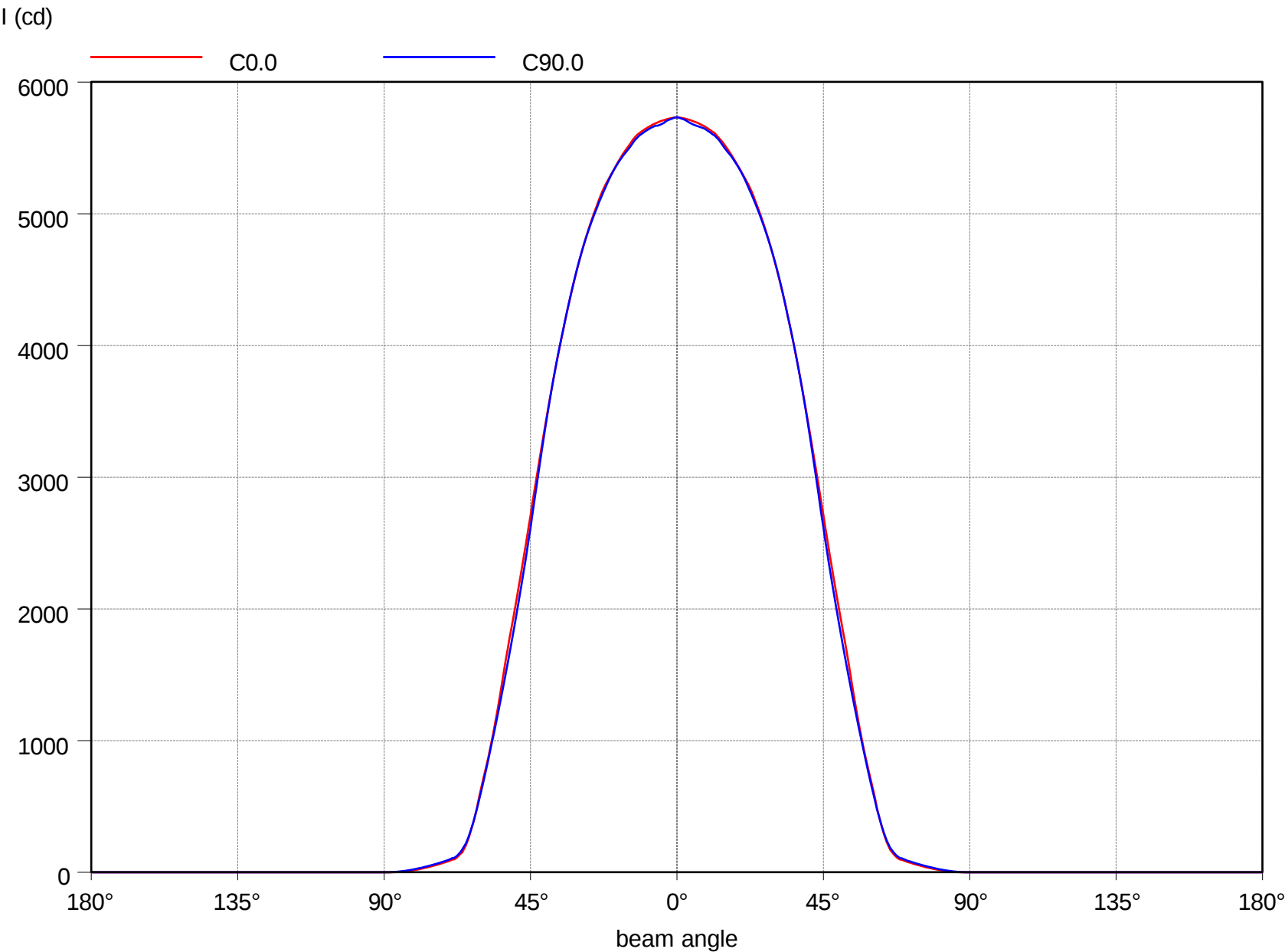


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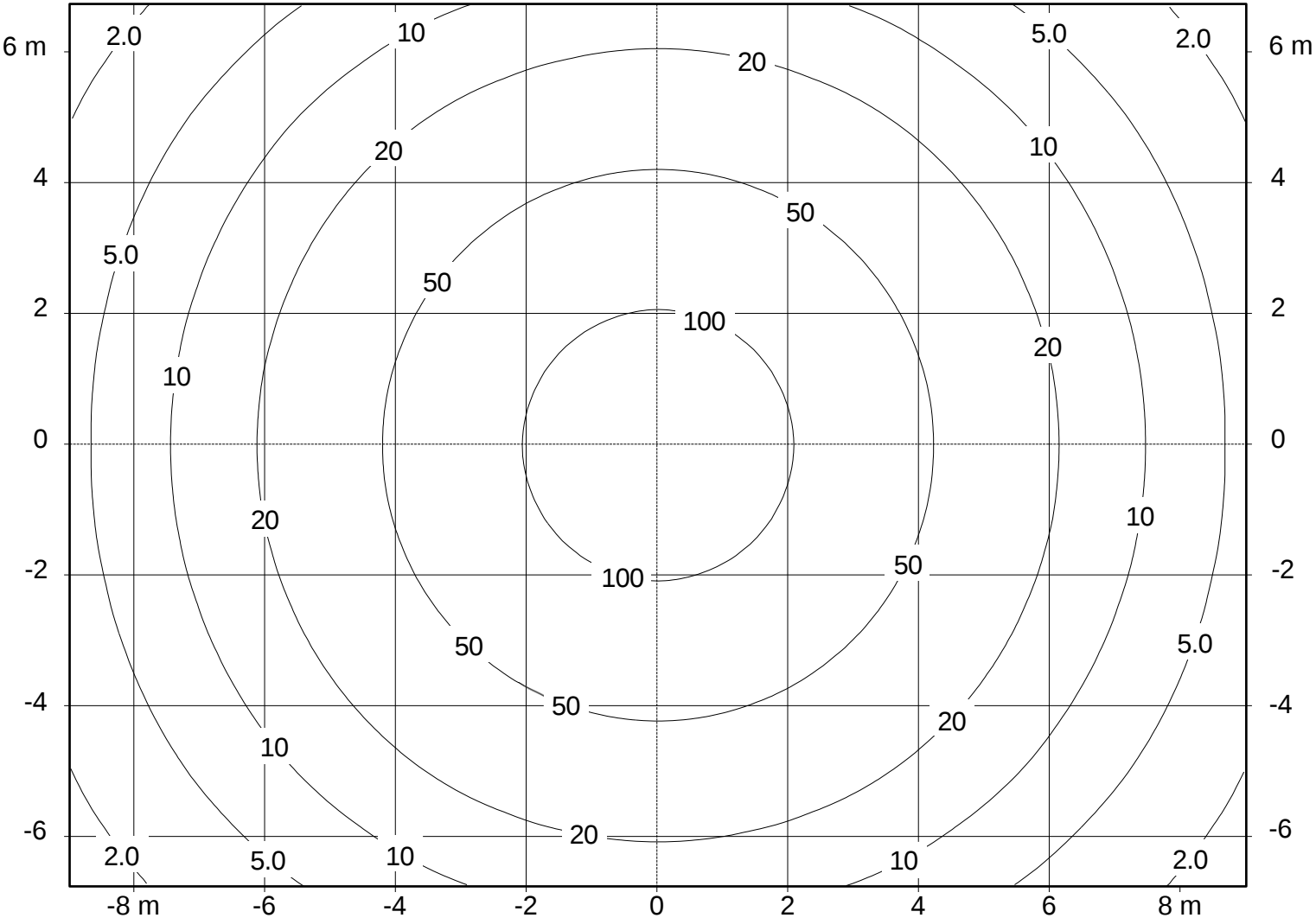
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lamp(s)

1 x LED
total flux
10490 lm
LOR
100 %
tilt angle
0.0 °

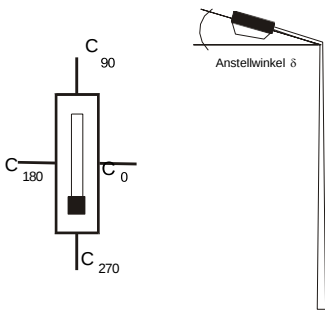


tilt angle : 0.0 °
swivel angle : 0.0 °
mounting height : 6.00 m
orientation : 0.0 °
light loss factor : 0.8



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0.0 °

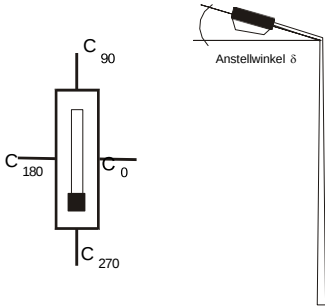


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gamma / °	C 0	C 15	C 30	C 45	C 60	C 75	C 90	C 105	C 120	C 135	C 150	C 165	C 180	C 195	C 210	C 225	C 240	C 255
0.0	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5
2.5	545.5	545.7	546.0	546.1	545.6	544.9	544.6	544.9	545.6	546.1	546.0	545.7	545.5	545.7	546.0	546.1	545.6	544.9
5.0	543.8	543.8	543.1	541.7	541.2	541.2	541.3	541.2	541.2	541.7	543.1	543.8	543.8	543.8	543.1	541.7	541.2	541.2
7.5	541.2	540.9	539.2	539.2	539.0	538.9	539.5	538.9	539.0	539.2	539.2	540.9	541.2	540.9	539.2	539.2	539.0	538.9
10.0	537.7	536.8	535.7	535.4	535.1	535.5	536.0	535.5	535.1	535.4	535.7	536.8	537.7	536.8	535.7	535.4	535.1	535.5
12.5	533.1	530.9	530.1	530.1	530.0	530.7	531.1	530.7	530.0	530.1	530.1	530.9	533.1	530.9	530.1	530.1	530.0	530.7
15.0	525.3	523.1	523.1	523.8	523.2	523.6	523.2	523.6	523.2	523.8	523.1	523.1	525.3	523.1	523.1	523.8	523.2	523.6
17.5	516.5	515.6	515.2	515.4	514.7	515.2	515.6	515.2	514.7	515.4	515.2	515.6	516.5	515.6	515.2	515.4	514.7	515.2
20.0	506.1	505.9	505.3	505.6	504.9	504.6	505.8	504.6	504.9	505.6	505.3	505.9	506.1	505.9	505.3	505.6	504.9	504.6
22.5	495.1	493.6	493.0	493.1	493.3	493.2	492.9	493.2	493.3	493.1	493.0	493.6	495.1	493.6	493.0	493.1	493.3	493.2
25.0	480.2	479.0	478.4	478.6	479.0	478.6	478.6	478.6	479.0	478.6	478.4	479.0	480.2	479.0	478.4	478.6	479.0	478.6
27.5	463.2	462.3	461.5	461.1	461.6	462.2	462.4	462.2	461.6	461.1	461.5	462.3	463.2	462.3	461.5	461.1	461.6	462.2
30.0	442.3	442.5	442.0	442.3	441.8	442.6	443.1	442.6	441.8	442.3	442.0	442.5	442.3	442.5	442.0	442.3	441.8	442.6
32.5	419.4	419.3	419.3	418.6	418.7	418.5	419.3	418.5	418.7	418.6	419.3	419.3	419.4	419.3	419.3	418.6	418.7	418.5
35.0	392.1	392.9	392.3	391.8	392.5	391.7	392.5	391.7	392.5	391.8	392.3	392.9	392.1	392.9	392.3	391.8	392.5	391.7
37.5	362.9	362.9	362.2	361.8	362.3	362.4	362.8	362.4	362.3	361.8	362.2	362.9	362.9	362.9	362.2	361.8	362.3	362.4
40.0	330.2	330.0	329.1	329.4	329.5	329.2	329.0	329.2	329.5	329.4	329.1	330.0	330.2	330.0	329.1	329.4	329.5	329.2
42.5	295.0	294.8	295.0	294.3	293.7	291.6	289.7	291.6	293.7	294.3	295.0	294.8	295.0	294.8	295.0	294.3	293.7	291.6
45.0	258.6	258.5	259.3	258.7	257.4	250.9	249.7	250.9	257.4	258.7	259.3	258.5	258.6	258.5	259.3	258.7	257.4	250.9
47.5	222.5	223.1	222.9	223.2	217.5	212.8	212.0	212.8	217.5	223.2	222.9	223.1	222.5	223.1	222.9	223.2	217.5	212.8
50.0	188.1	188.8	188.6	188.6	182.0	177.8	177.6	177.8	182.0	188.6	188.6	188.8	188.1	188.8	188.6	188.6	182.0	177.8
52.5	155.3	156.1	156.1	153.3	148.1	147.0	145.2	147.0	148.1	153.3	156.1	156.1	155.3	156.1	156.1	153.3	148.1	147.0
55.0	119.5	123.3	125.4	122.1	119.0	116.1	115.2	116.1	119.0	122.1	125.4	123.3	119.5	123.3	125.4	122.1	119.0	116.1
57.5	88.4	89.7	95.0	91.7	89.2	87.4	86.8	87.4	89.2	91.7	95.0	89.7	88.4	89.7	95.0	91.7	89.2	87.4
60.0	62.8	63.0	63.6	64.2	61.8	60.8	60.4	60.8	61.8	64.2	63.6	63.0	62.8	63.0	63.6	64.2	61.8	60.8
62.5	37.0	37.5	37.6	38.2	37.7	37.3	37.0	37.3	37.7	38.2	37.6	37.5	37.0	37.5	37.6	38.2	37.7	37.3
65.0	18.8	19.4	19.9	20.2	20.9	20.6	20.2	20.6	20.9	20.2	19.9	19.4	18.8	19.4	19.9	20.2	20.9	20.6
67.5	11.0	11.9	12.6	12.9	13.4	12.9	12.2	12.9	13.4	12.9	12.6	11.9	11.0	11.9	12.6	12.9	13.4	12.9

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lamp(s)
1 x LED
total flux
10490 lm
LOR
100 %
tilt angle
0.0 °

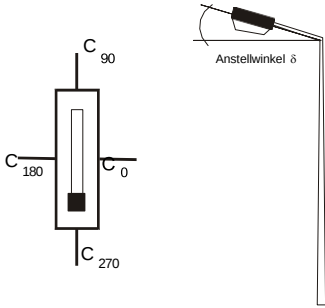


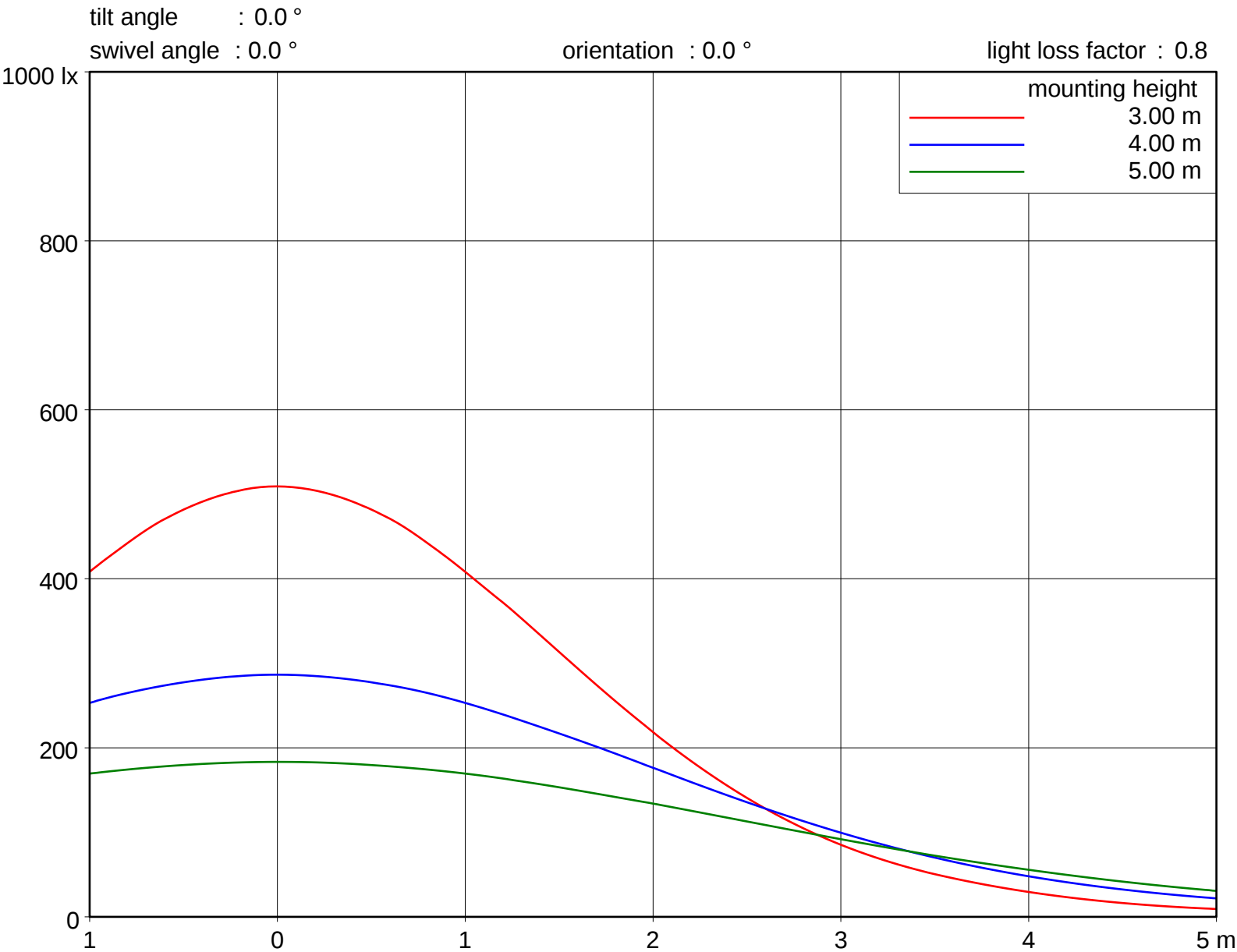
file : FLOODLIGHT_LED_FL100W_ALFA_100W_6000K

gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	546.5	546.5	546.5	546.5	546.5	546.5
2.5	544.6	544.9	545.6	546.1	546.0	545.7
5.0	541.3	541.2	541.2	541.7	543.1	543.8
7.5	539.5	538.9	539.0	539.2	539.2	540.9
10.0	536.0	535.5	535.1	535.4	535.7	536.8
12.5	531.1	530.7	530.0	530.1	530.1	530.9
15.0	523.2	523.6	523.2	523.8	523.1	523.1
17.5	515.6	515.2	514.7	515.4	515.2	515.6
20.0	505.8	504.6	504.9	505.6	505.3	505.9
22.5	492.9	493.2	493.3	493.1	493.0	493.6
25.0	478.6	478.6	479.0	478.6	478.4	479.0
27.5	462.4	462.2	461.6	461.1	461.5	462.3
30.0	443.1	442.6	441.8	442.3	442.0	442.5
32.5	419.3	418.5	418.7	418.6	419.3	419.3
35.0	392.5	391.7	392.5	391.8	392.3	392.9
37.5	362.8	362.4	362.3	361.8	362.2	362.9
40.0	329.0	329.2	329.5	329.4	329.1	330.0
42.5	289.7	291.6	293.7	294.3	295.0	294.8
45.0	249.7	250.9	257.4	258.7	259.3	258.5
47.5	212.0	212.8	217.5	223.2	222.9	223.1
50.0	177.6	177.8	182.0	188.6	188.6	188.8
52.5	145.2	147.0	148.1	153.3	156.1	156.1
55.0	115.2	116.1	119.0	122.1	125.4	123.3
57.5	86.8	87.4	89.2	91.7	95.0	89.7
60.0	60.4	60.8	61.8	64.2	63.6	63.0
62.5	37.0	37.3	37.7	38.2	37.6	37.5
65.0	20.2	20.6	20.9	20.2	19.9	19.4
67.5	12.2	12.9	13.4	12.9	12.6	11.9

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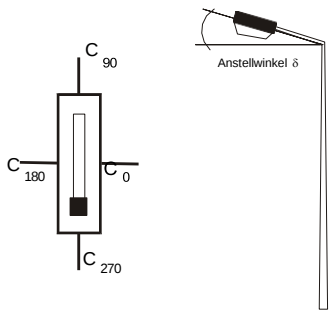
lamp(s)
1 x LED
total flux
10490 lm
LOR
100 %
tilt angle
0.0 °





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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

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