

file : HIGHBAYLIGHT_LED_HL150W_BETA_150W_6000K

meas. no. 03L1952
meas. date 4/28/2024
operator LightLab.

meas. conditions
ambient temperature 25.0 °C
voltage 230.00 V
current 0.633 A
power consumption 143.1 W
Leistungsfaktor 0.980

meas. lamps lum. flux [lm]
absolute measurement 15549.0 lm
luminous efficacy 109 lm/w

dimensions of luminaire
diameter 340 mm
height 110 mm

dimensions of luminous area
diameter 200 mm
height C0 20 mm
height C90 20 mm
height C180 20 mm
height C270 20 mm

reflector

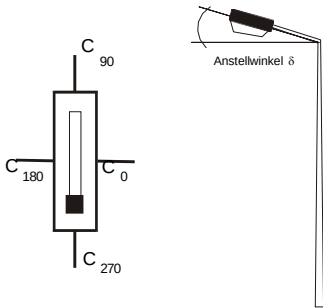
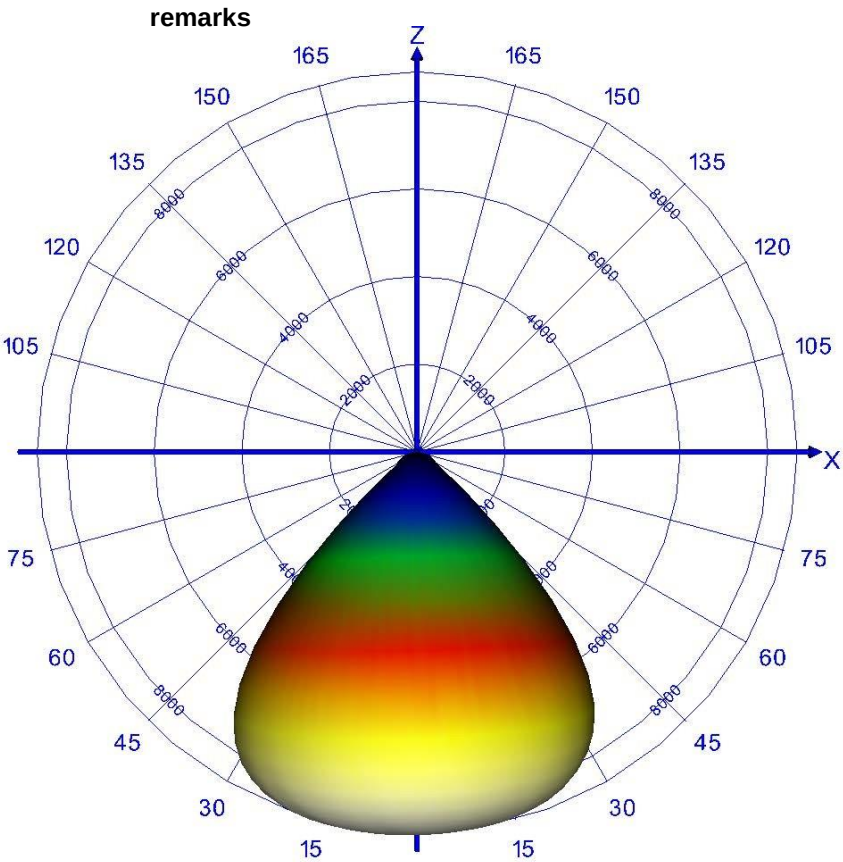
cover

variant

measurement results
flux of luminaire 15549.0 lm
classification / DIN A60
lower flux fraction 100.00 %
upper flux fraction 0.00 %
intensity maximum 8666.6 cd
in C-plane 52.5 °
at gamma 10.0 °
half value angle C0 : 43.3 °
C90 : 43.1 °
C270 : 43.1 °
tenth value angle C0 : 53.5 °
C90 : 53.4 °
C270 : 53.4 °

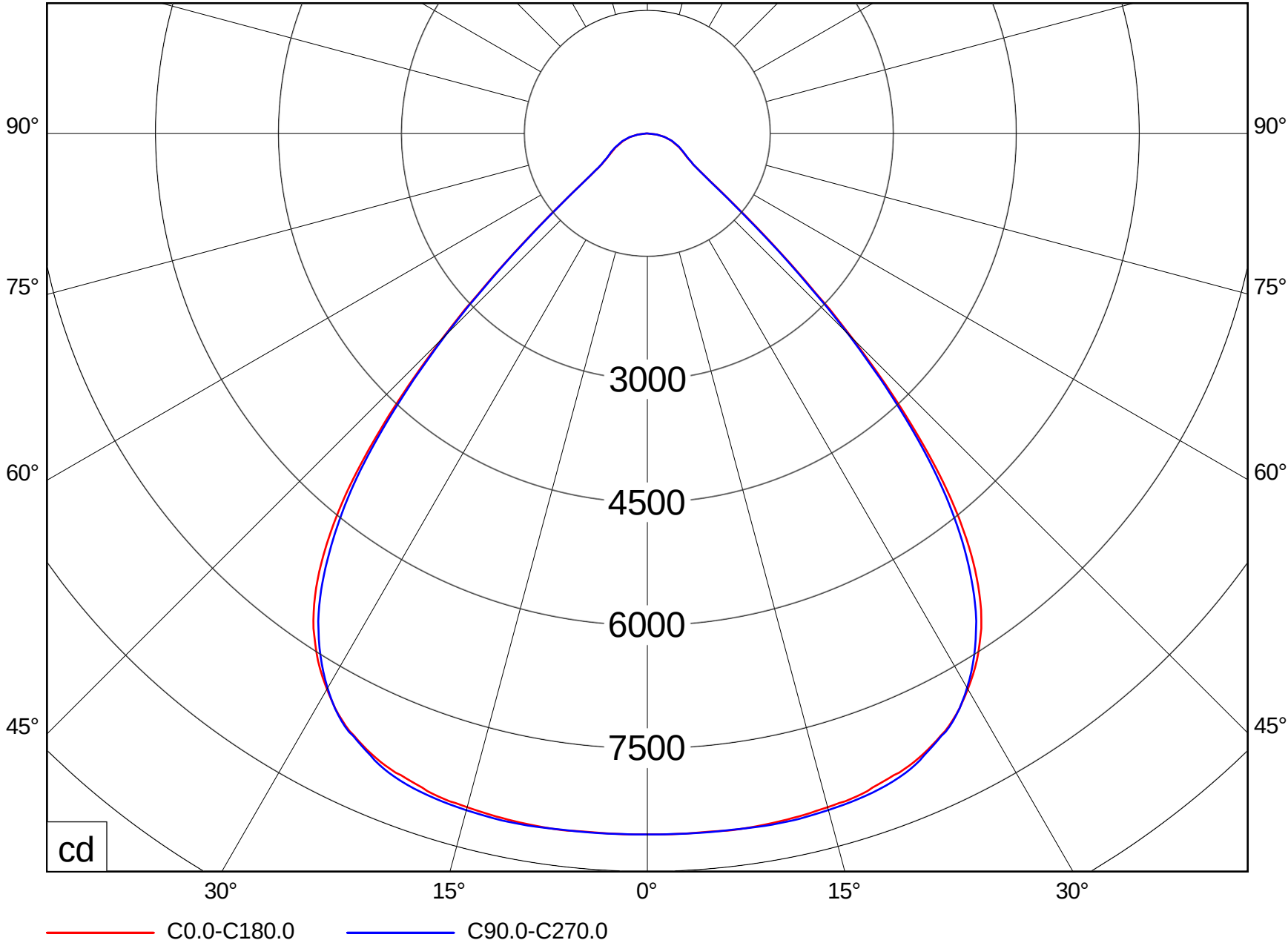
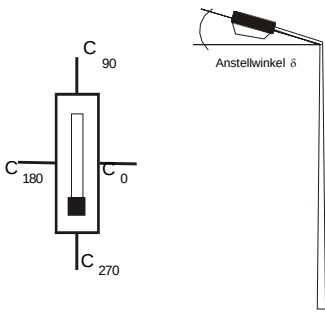
article code
Azar Teyf Co.

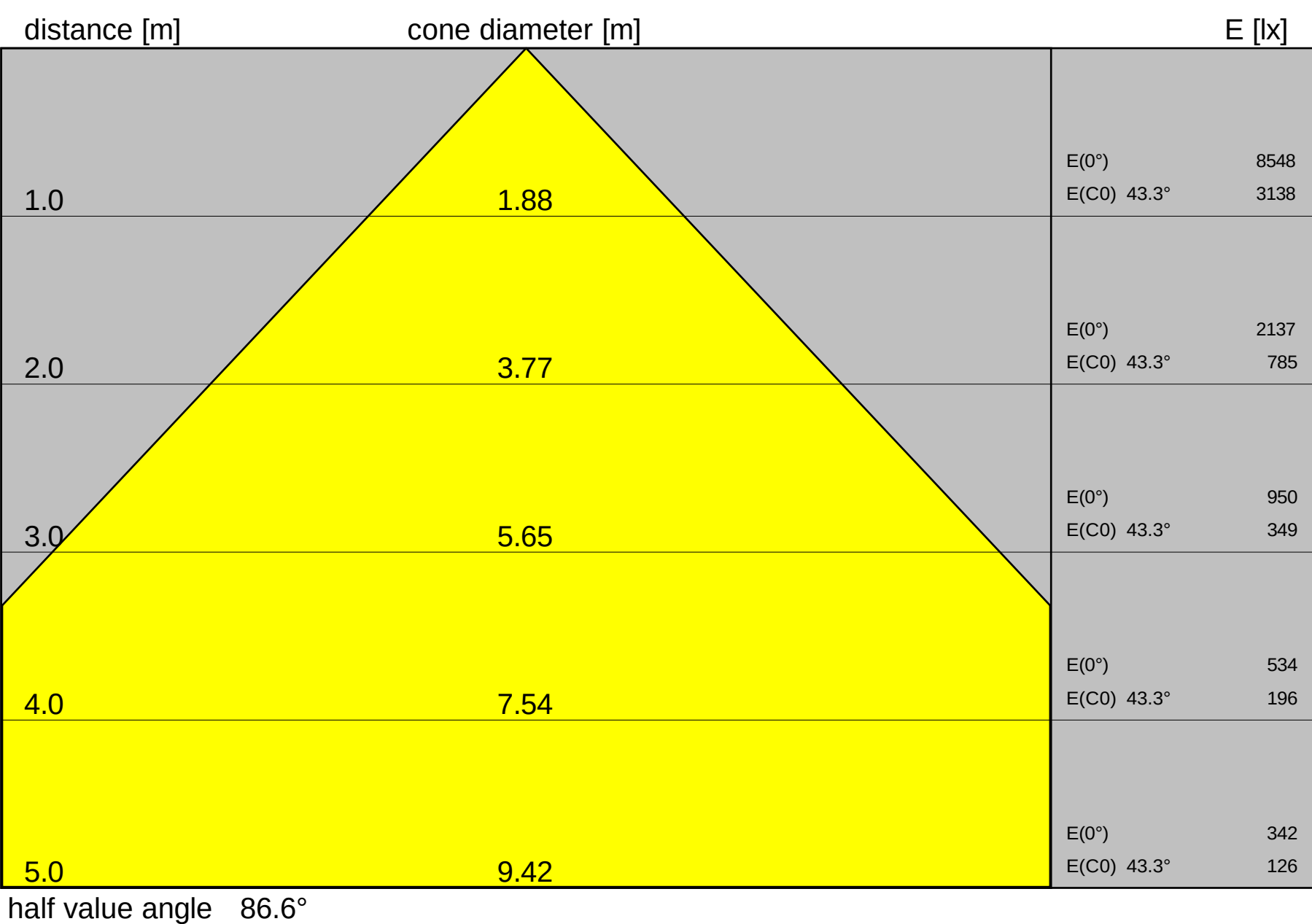
lamp(s)
1 x LED
total flux 15549 lm
LOR
100 %
tilt angle 0.0 °



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lamp(s)
1 x LED
total flux
15549 lm
LOR
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tilt angle
0.0 °

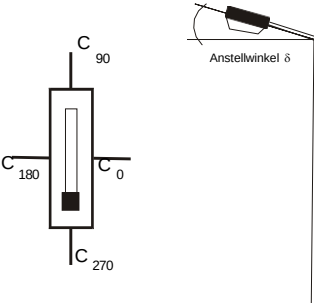




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lamp(s)
1 x LED
total flux
15549 lm
LOR
100 %
tilt angle
0.0 °







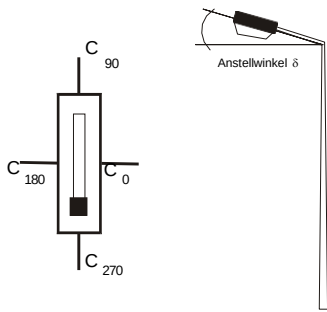
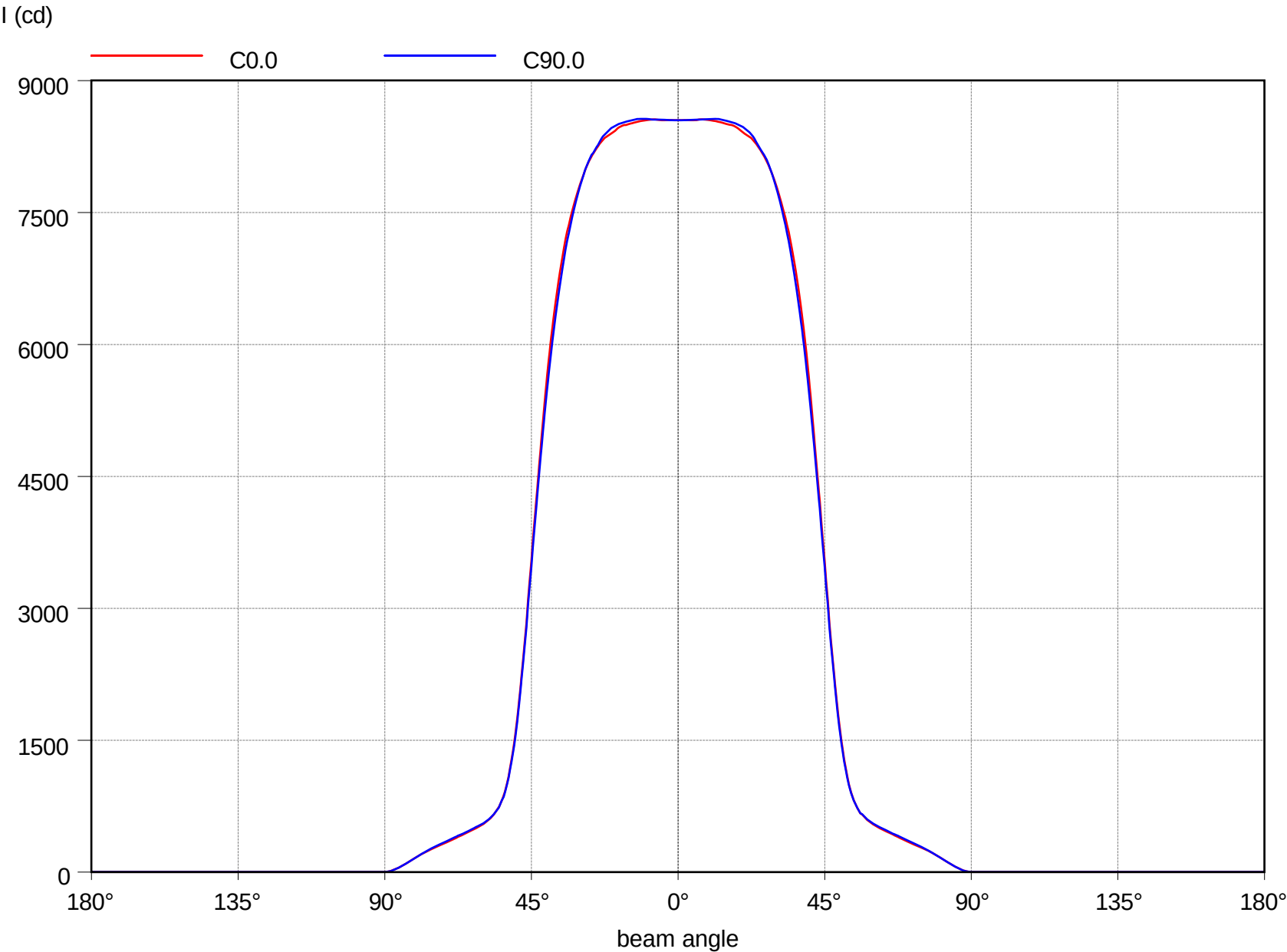
Lighting Lab University of Tehran

article code

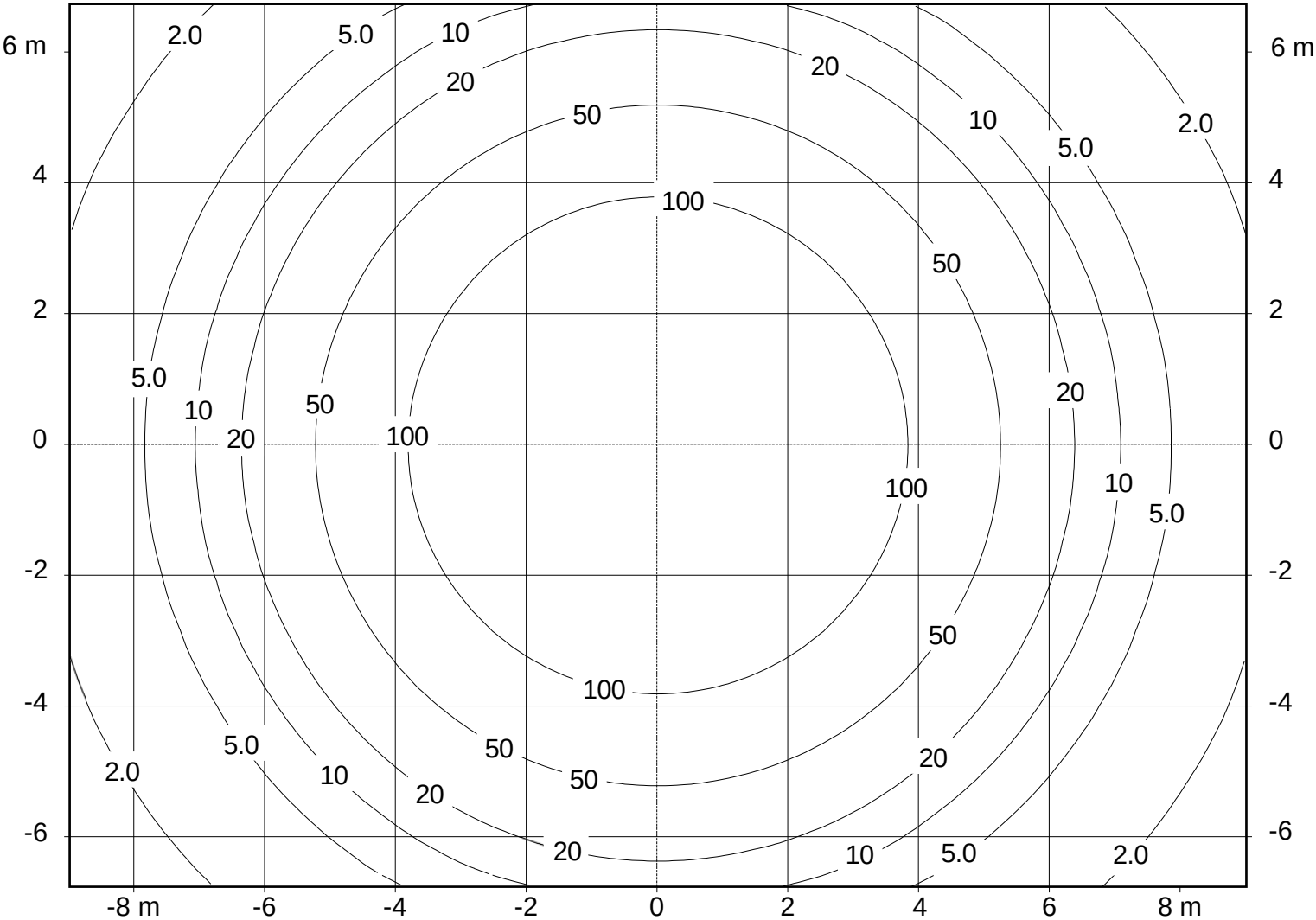
Azar Teyf Co.

lamp(s)

1 x LED
total flux
15549 lm
LOR
100 %
tilt angle
0.0 °

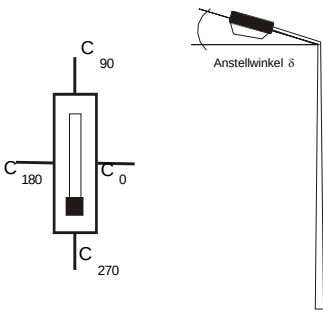


tilt angle : 0.0 °
swivel angle : 0.0 °
mounting height : 6.00 m
orientation : 0.0 °
light loss factor : 0.8



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15549 lm
LOR
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tilt angle
0.0 °

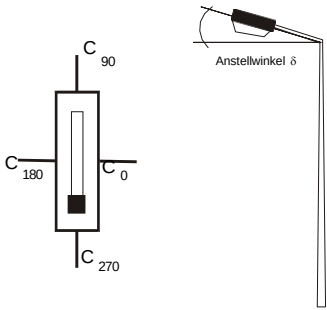


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gamma / °	C 0	C 15	C 30	C 45	C 60	C 75	C 90	C 105	C 120	C 135	C 150	C 165	C 180	C 195	C 210	C 225	C 240	C 255
0.0	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5	549.9	549.9	549.8	549.8	549.8	549.9	550.0	549.9	549.8	549.8	549.8	549.9	549.9	549.9	549.8	549.8	549.8	549.9
5.0	549.8	550.1	550.4	549.8	550.1	550.0	550.2	550.0	550.1	549.8	550.4	550.1	549.8	550.1	550.4	549.8	550.1	550.0
7.5	550.4	550.4	549.8	549.7	550.1	550.5	550.3	550.5	550.1	549.7	549.8	550.4	550.4	550.4	549.8	549.7	550.1	550.5
10.0	549.8	549.7	549.7	549.8	549.8	550.4	550.8	550.4	549.8	549.8	549.7	549.7	549.8	549.7	549.7	549.8	549.8	550.4
12.5	548.7	548.6	548.8	549.9	549.4	550.4	550.7	550.4	549.4	549.9	548.8	548.6	548.7	548.6	548.8	549.9	549.4	550.4
15.0	547.0	547.5	547.5	547.8	548.9	549.5	549.3	549.5	548.9	547.8	547.5	547.5	547.0	547.5	547.5	547.8	548.9	549.5
17.5	545.3	545.4	545.0	545.9	547.1	546.9	547.7	546.9	547.1	545.9	545.0	545.4	545.3	545.4	545.0	545.9	547.1	546.9
20.0	540.9	541.9	541.0	541.7	543.5	544.0	544.8	544.0	543.5	541.7	541.0	541.9	540.9	541.9	541.0	541.7	543.5	544.0
22.5	536.7	536.8	536.9	537.0	538.6	538.6	539.5	538.6	538.6	537.0	536.9	536.8	536.7	536.8	536.9	537.0	538.6	538.6
25.0	529.2	528.6	528.7	530.0	530.3	531.0	530.0	531.0	530.3	530.0	528.7	528.6	529.2	528.6	528.7	530.0	530.3	531.0
27.5	518.8	518.7	518.3	518.7	518.5	519.1	519.5	519.1	518.5	518.7	518.3	518.7	518.8	518.7	518.3	518.7	518.5	519.1
30.0	503.0	503.8	503.4	503.0	503.0	502.5	501.8	502.5	503.0	503.0	503.4	503.8	503.0	503.8	503.4	503.0	503.0	502.5
32.5	483.0	483.7	479.5	479.0	479.1	479.4	478.5	479.4	479.1	479.0	479.5	483.7	483.0	483.7	479.5	479.0	479.1	479.4
35.0	456.2	454.1	451.6	450.2	449.1	448.3	448.1	448.3	449.1	450.2	451.6	454.1	456.2	454.1	451.6	450.2	449.1	448.3
37.5	417.6	415.4	413.6	410.3	409.4	407.4	407.0	407.4	409.4	410.3	413.6	415.4	417.6	415.4	413.6	410.3	409.4	407.4
40.0	365.9	364.8	361.1	360.6	358.4	356.3	356.7	356.3	358.4	360.6	361.1	364.8	365.9	364.8	361.1	360.6	358.4	356.3
42.5	299.8	298.6	297.2	296.9	294.0	293.4	293.1	293.4	294.0	296.9	297.2	298.6	299.8	298.6	297.2	296.9	294.0	293.4
45.0	227.7	225.2	224.5	223.7	223.1	223.1	223.3	223.1	223.1	223.7	224.5	225.2	227.7	225.2	224.5	223.7	223.1	223.1
47.5	155.6	154.1	153.3	152.7	153.0	152.8	152.8	152.8	153.0	152.7	153.3	154.1	155.6	154.1	153.3	152.7	153.0	152.8
50.0	99.2	97.8	97.2	96.8	97.2	97.0	97.0	97.0	97.2	96.8	97.2	97.8	99.2	97.8	97.2	96.8	97.2	97.0
52.5	64.3	64.0	63.5	63.5	63.5	63.4	63.6	63.4	63.5	63.5	63.5	64.0	64.3	64.0	63.5	63.5	63.5	63.4
55.0	47.1	47.3	47.3	47.1	47.2	47.3	47.1	47.3	47.2	47.1	47.3	47.3	47.1	47.3	47.3	47.1	47.2	47.3
57.5	39.4	39.6	39.8	39.7	39.6	39.7	39.7	39.7	39.6	39.7	39.8	39.6	39.4	39.6	39.8	39.7	39.6	39.7
60.0	34.7	34.9	35.2	35.1	35.3	35.2	35.3	35.2	35.3	35.1	35.2	34.9	34.7	34.9	35.2	35.1	35.3	35.2
62.5	31.4	31.6	31.8	31.7	31.7	31.8	32.2	31.8	31.7	31.7	31.8	31.6	31.4	31.6	31.8	31.7	31.7	31.8
65.0	28.6	28.7	28.8	28.7	28.8	29.1	29.2	29.1	28.8	28.7	28.8	28.7	28.6	28.7	28.8	28.7	28.8	29.1
67.5	25.6	25.9	25.9	26.0	25.8	26.2	26.5	26.2	25.8	26.0	25.9	25.9	25.6	25.9	25.9	26.0	25.8	26.2
70.0	22.8	23.2	23.2	23.3	23.1	23.4	23.7	23.4	23.1	23.3	23.2	23.2	22.8	23.2	23.2	23.3	23.1	23.4
72.5	20.2	20.5	20.7	20.5	20.6	20.6	20.9	20.6	20.6	20.5	20.7	20.5	20.2	20.5	20.7	20.5	20.6	20.6
75.0	17.5	17.8	18.0	17.9	18.0	17.9	18.1	17.9	18.0	17.9	18.0	17.8	17.5	17.8	18.0	17.9	18.0	17.9
77.5	14.7	14.9	14.9	15.0	14.9	15.0	14.9	15.0	14.9	15.0	14.9	14.9	14.7	14.9	14.9	15.0	14.9	15.0
80.0	11.4	11.5	11.6	11.6	11.5	11.6	11.3	11.6	11.5	11.6	11.6	11.5	11.4	11.5	11.6	11.6	11.5	11.6

article code
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lamp(s)
1 x LED
total flux
15549 lm
LOR
100 %
tilt angle
0.0 °

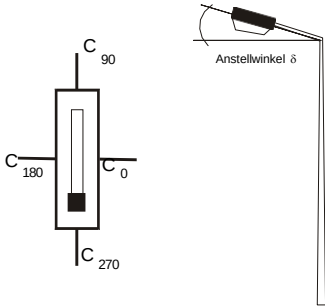


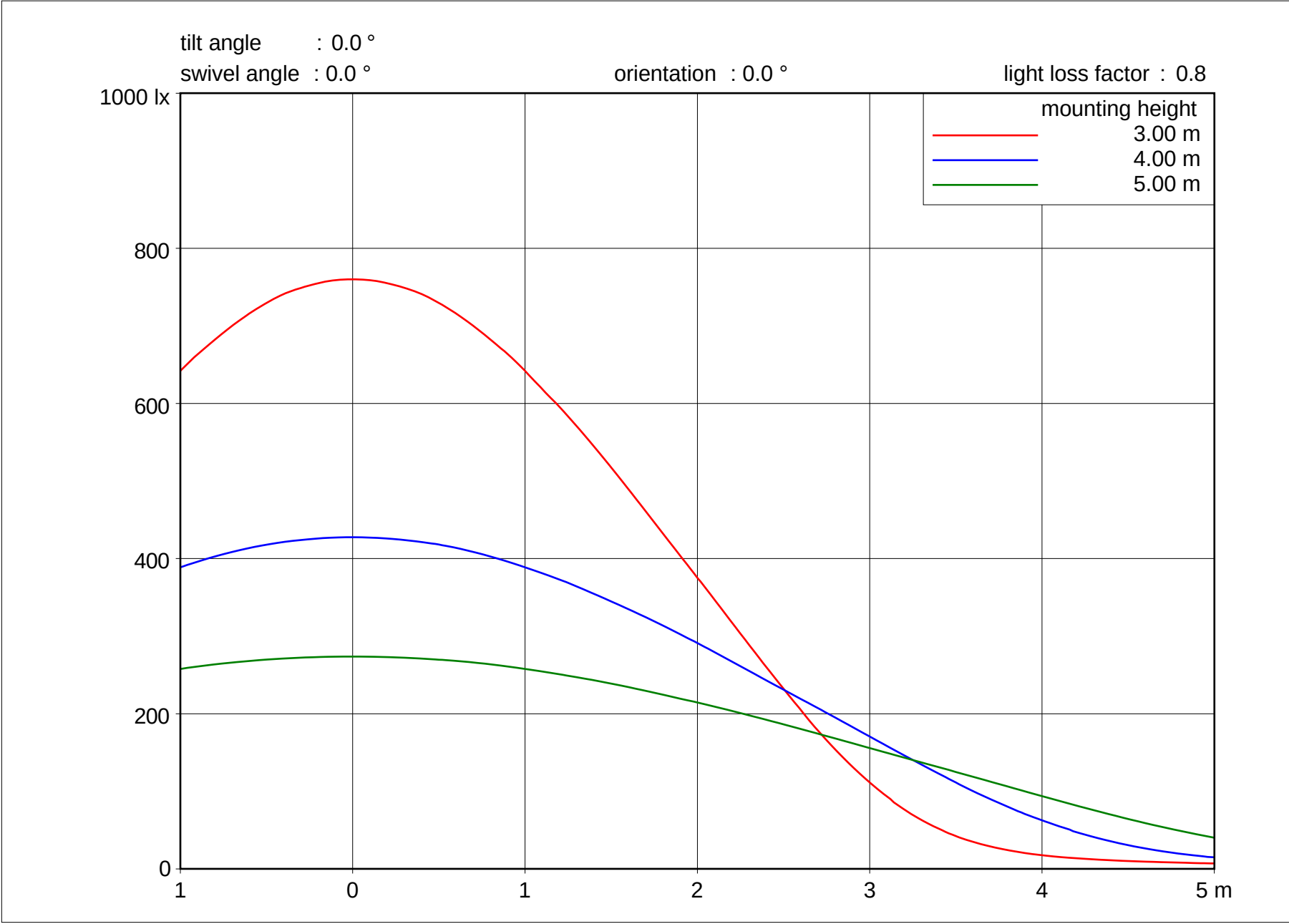
file : HIGHBAYLIGHT_LED_HL150W_BETA_150W_6000K

gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	549.8	549.8	549.8	549.8	549.8	549.8
2.5	550.0	549.9	549.8	549.8	549.8	549.9
5.0	550.2	550.0	550.1	549.8	550.4	550.1
7.5	550.3	550.5	550.1	549.7	549.8	550.4
10.0	550.8	550.4	549.8	549.8	549.7	549.7
12.5	550.7	550.4	549.4	549.9	548.8	548.6
15.0	549.3	549.5	548.9	547.8	547.5	547.5
17.5	547.7	546.9	547.1	545.9	545.0	545.4
20.0	544.8	544.0	543.5	541.7	541.0	541.9
22.5	539.5	538.6	538.6	537.0	536.9	536.8
25.0	530.0	531.0	530.3	530.0	528.7	528.6
27.5	519.5	519.1	518.5	518.7	518.3	518.7
30.0	501.8	502.5	503.0	503.0	503.4	503.8
32.5	478.5	479.4	479.1	479.0	479.5	483.7
35.0	448.1	448.3	449.1	450.2	451.6	454.1
37.5	407.0	407.4	409.4	410.3	413.6	415.4
40.0	356.7	356.3	358.4	360.6	361.1	364.8
42.5	293.1	293.4	294.0	296.9	297.2	298.6
45.0	223.3	223.1	223.1	223.7	224.5	225.2
47.5	152.8	152.8	153.0	152.7	153.3	154.1
50.0	97.0	97.0	97.2	96.8	97.2	97.8
52.5	63.6	63.4	63.5	63.5	63.5	64.0
55.0	47.1	47.3	47.2	47.1	47.3	47.3
57.5	39.7	39.7	39.6	39.7	39.8	39.6
60.0	35.3	35.2	35.3	35.1	35.2	34.9
62.5	32.2	31.8	31.7	31.7	31.8	31.6
65.0	29.2	29.1	28.8	28.7	28.8	28.7
67.5	26.5	26.2	25.8	26.0	25.9	25.9
70.0	23.7	23.4	23.1	23.3	23.2	23.2
72.5	20.9	20.6	20.6	20.5	20.7	20.5
75.0	18.1	17.9	18.0	17.9	18.0	17.8
77.5	14.9	15.0	14.9	15.0	14.9	14.9
80.0	11.3	11.6	11.5	11.6	11.6	11.5

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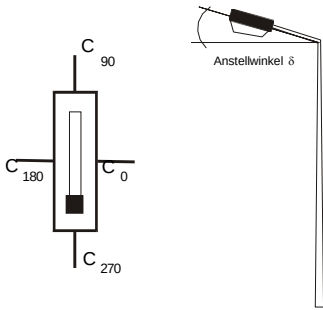
lamp(s)
1 x LED
total flux
15549 lm
LOR
100 %
tilt angle
0.0 °





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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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