

file : HIGHBAYLIGHT_LED_HL200W_BETA_200W_6000K

meas. no. 03L1953
meas. date 4/27/2024
operator LightLab.

meas. conditions
ambient temperature 25.0 °C
voltage 230.00 V
current 0.845 A
power consumption 190.6 W
Leistungsfaktor 0.979

meas. lamps lum. flux [lm]
absolute measurement 20302.6 lm
luminous efficacy 106 lm/w

dimensions of luminaire
diameter 395 mm
height 110 mm

dimensions of luminous area
diameter 220 mm
height C0 20 mm
height C90 20 mm
height C180 20 mm
height C270 20 mm

reflector

cover

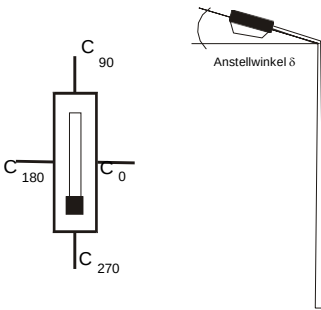
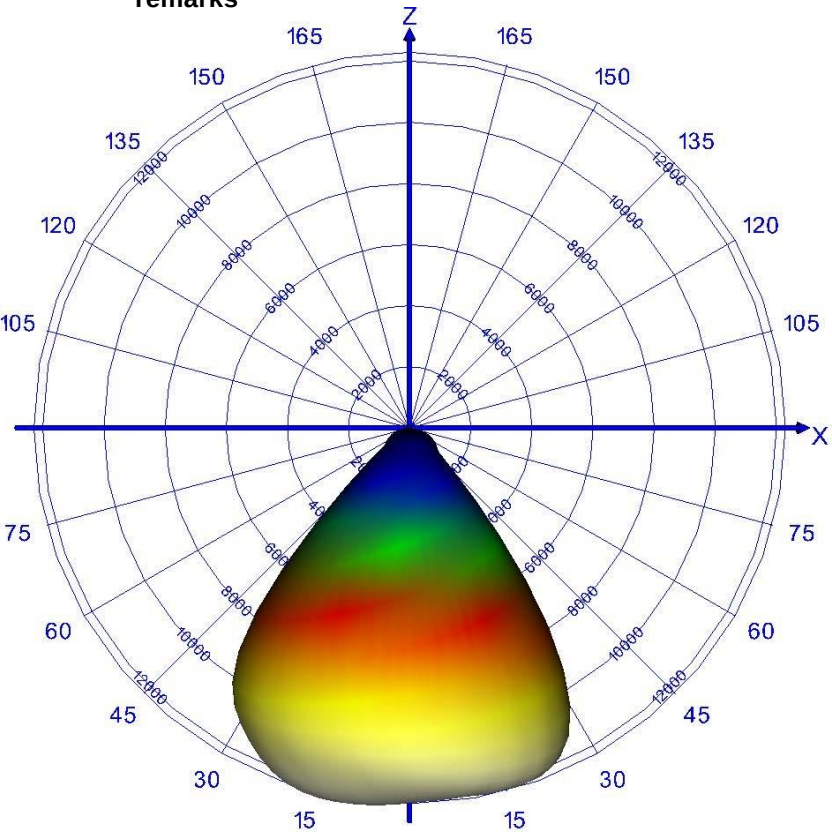
variant

measurement results
flux of luminaire 20302.6 lm
classification / DIN A60
lower flux fraction 100.00 %
upper flux fraction 0.00 %
intensity maximum 12287.9 cd
in C-plane 190.0 °
at gamma 10.0 °
half value angle C0 : 40.3 °
C90 : 40.2 °
C270 : 40.2 °
tenth value angle C0 : 52.8 °
C90 : 51.9 °
C270 : 51.9 °

article code
Azar Teyf Co.

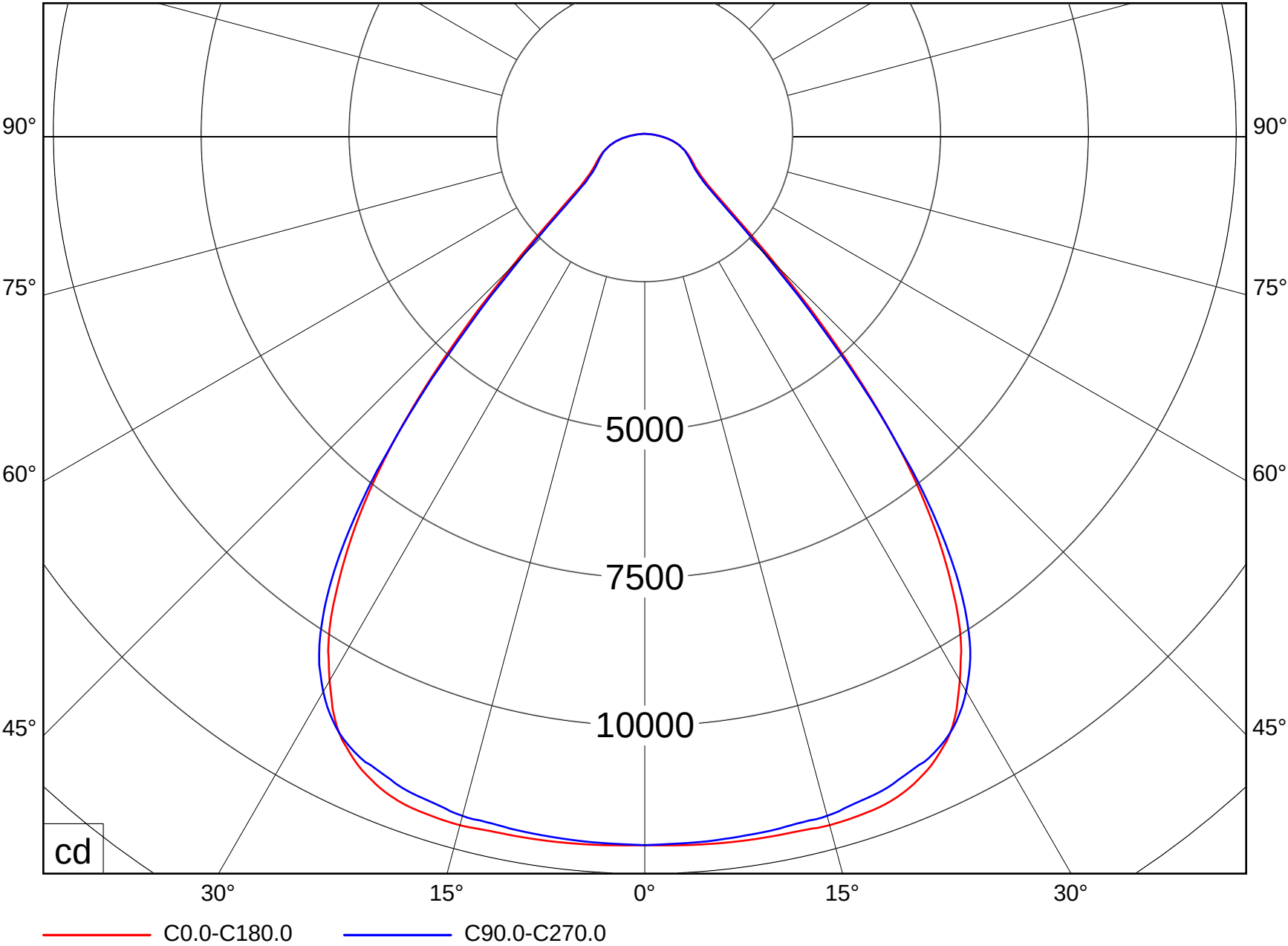
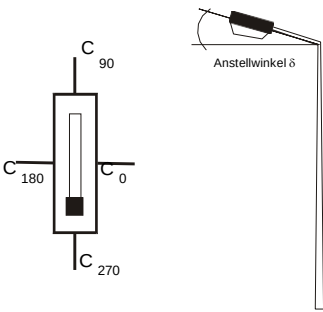
lamp(s)
1 x LED
total flux 20303 lm
LOR
100 %
tilt angle 0.0 °

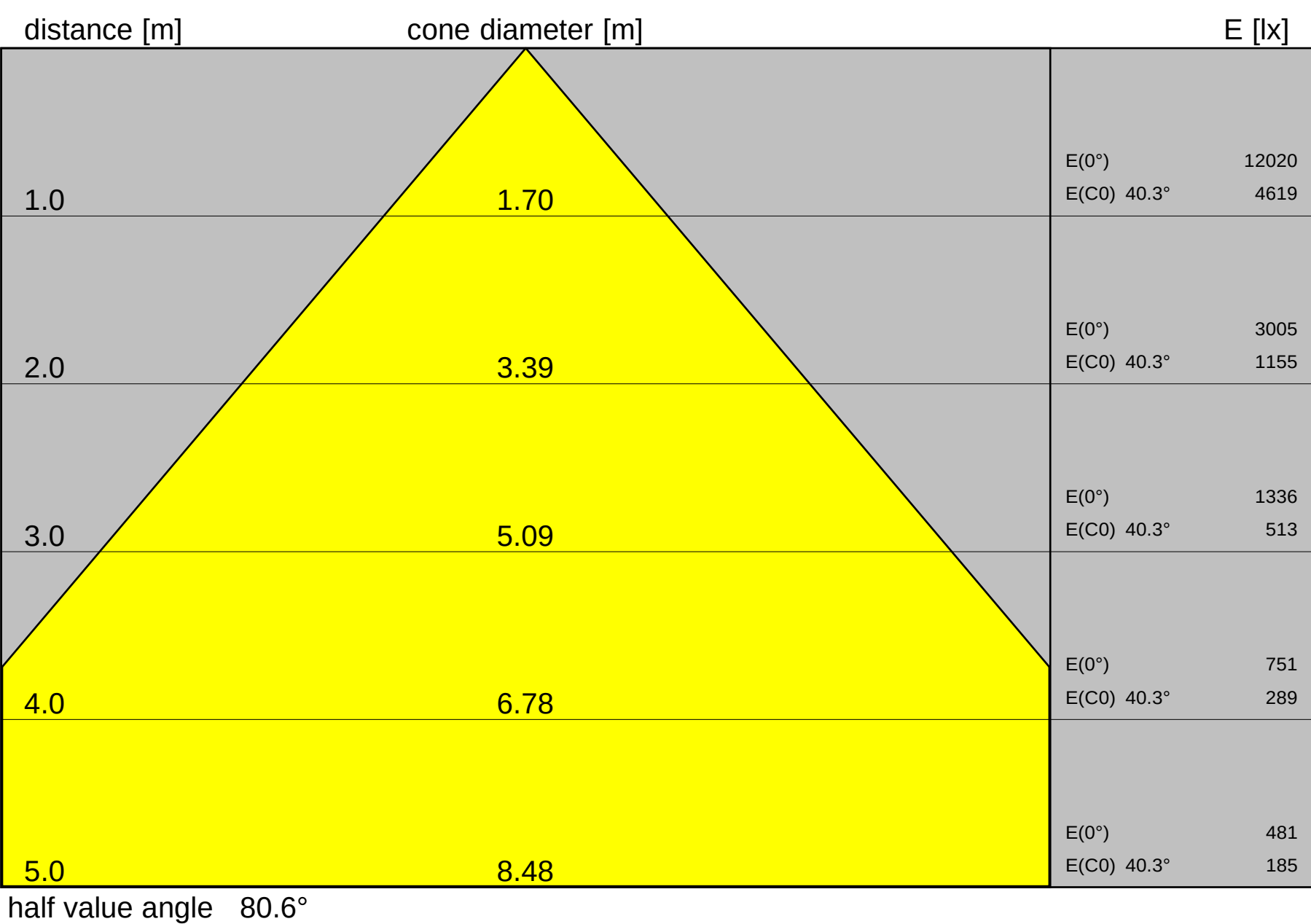
remarks



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lamp(s)
1 x LED
total flux
20303 lm
LOR
100 %
tilt angle
0.0 °

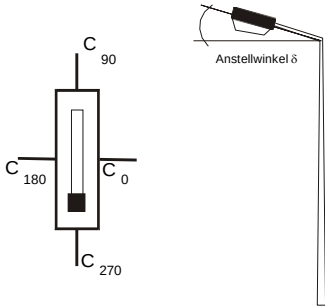




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lamp(s)
 1 x LED
 total flux
 20303 lm
 LOR
 100 %
 tilt angle
 0.0 °





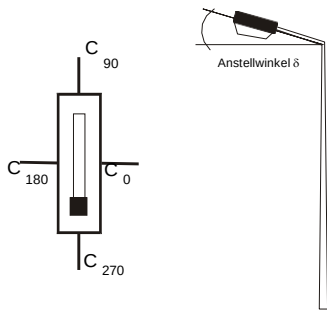
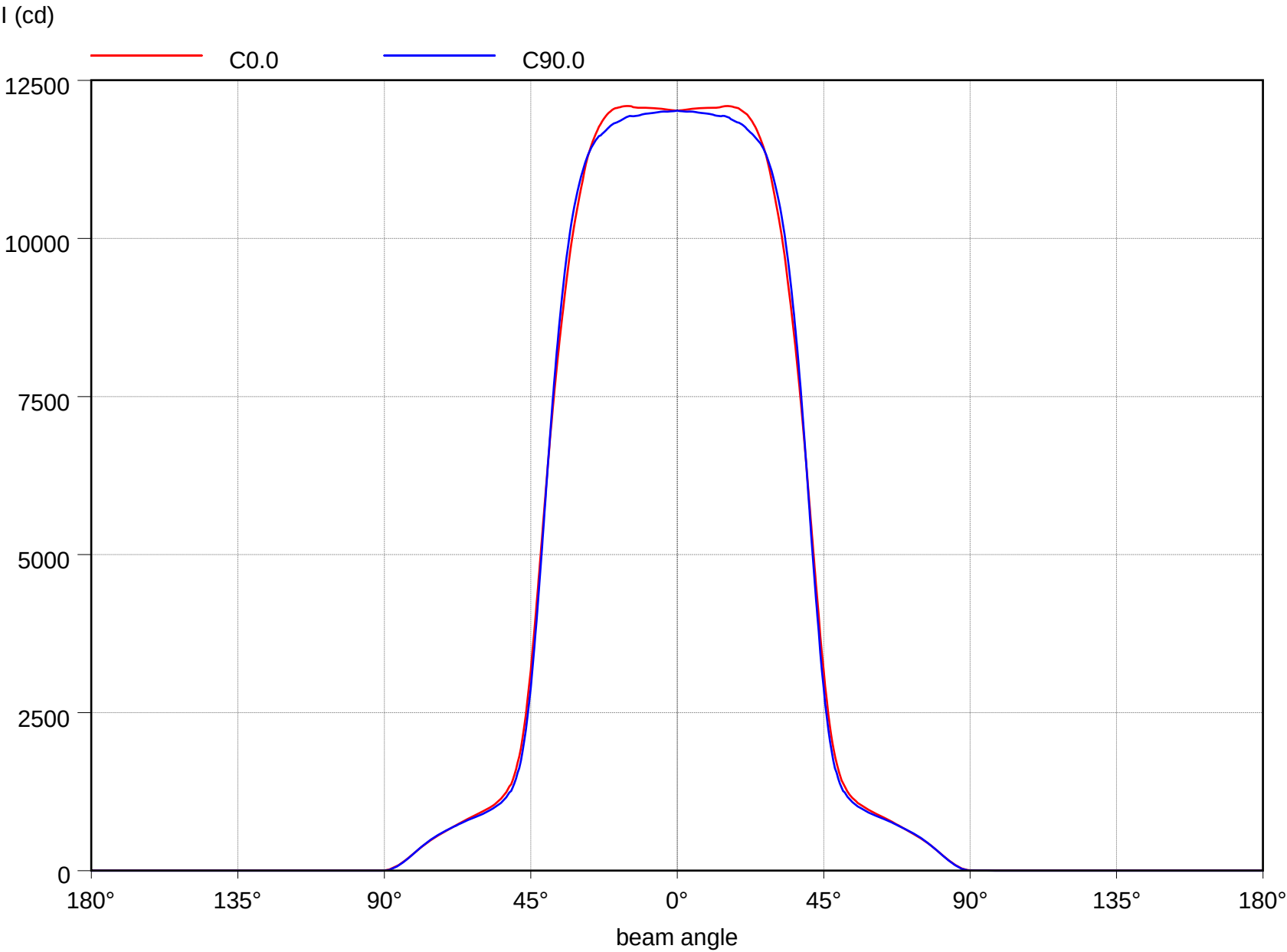


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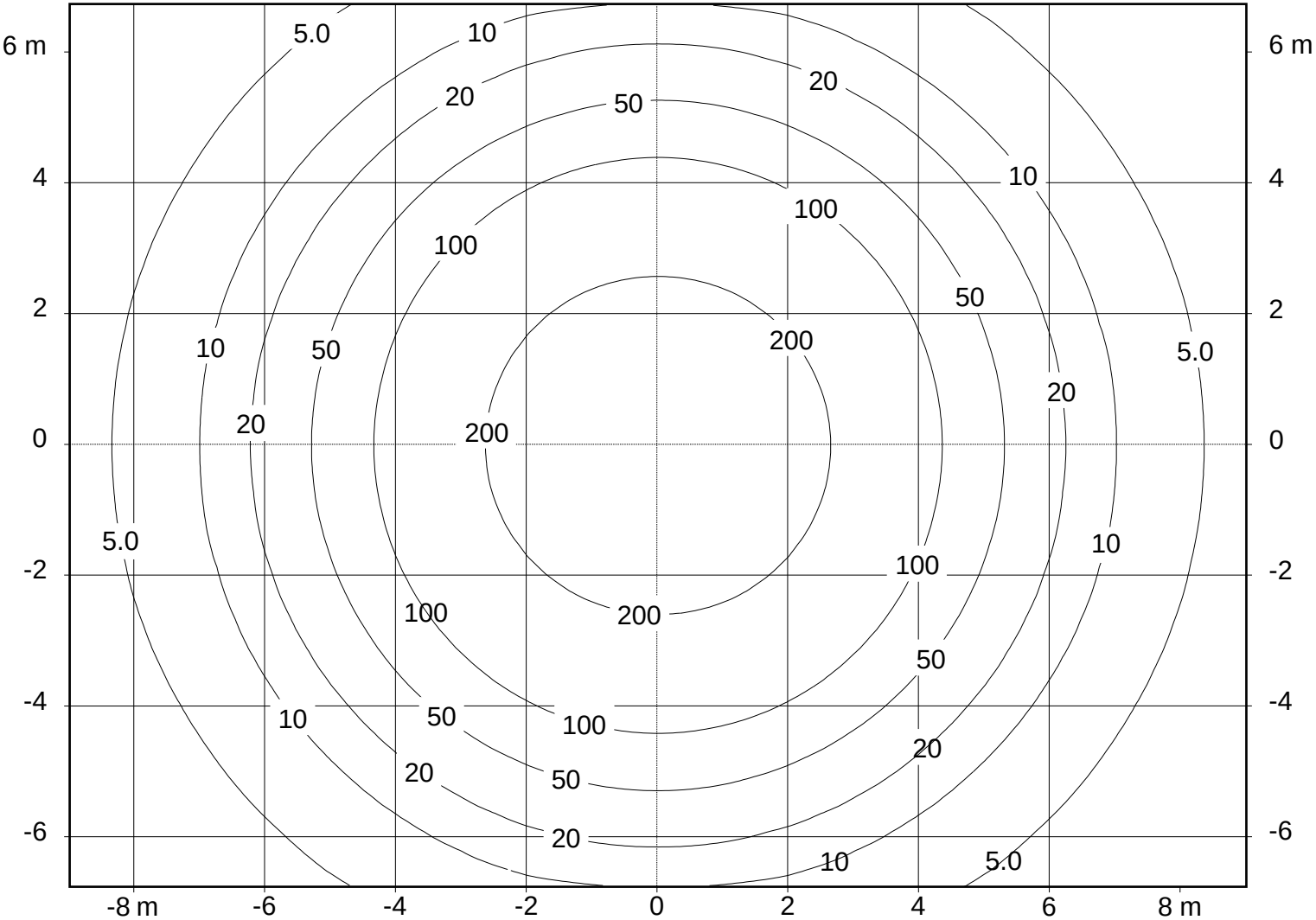
Azar Teyf Co.

lamp(s)

1 x LED
total flux
20303 lm
LOR
100 %
tilt angle
0.0 °

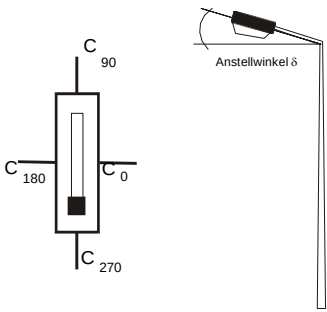


tilt angle : 0.0 °
swivel angle : 0.0 °
mounting height : 6.00 m
orientation : 0.0 °
light loss factor : 0.8



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1 x LED
total flux
20303 lm
LOR
100 %
tilt angle
0.0 °

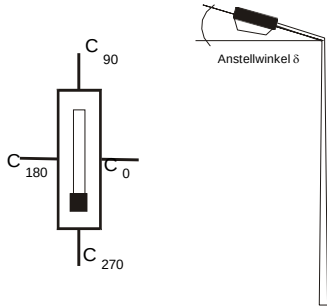


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gamma / °	C 0	C 15	C 30	C 45	C 60	C 75	C 90	C 105	C 120	C 135	C 150	C 165	C 180	C 195	C 210	C 225	C 240	C 255
0.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0
2.5	592.7	592.5	592.3	592.1	592.1	591.7	591.4	591.7	592.1	592.1	592.3	592.5	592.7	592.5	592.3	592.1	592.1	591.7
5.0	593.6	593.7	593.1	592.1	591.4	591.1	591.2	591.1	591.4	592.1	593.1	593.7	593.6	593.7	593.1	592.1	591.4	591.1
7.5	594.0	593.6	593.5	592.0	591.2	591.0	590.3	591.0	591.2	592.0	593.5	593.6	594.0	593.6	593.5	592.0	591.2	591.0
10.0	594.3	594.0	593.3	592.0	590.8	590.3	589.5	590.3	590.8	592.0	593.3	594.0	594.3	594.0	593.3	592.0	590.8	590.3
12.5	594.4	594.3	593.3	591.6	590.5	588.6	588.0	588.6	590.5	591.6	593.3	594.3	594.4	594.3	593.3	591.6	590.5	588.6
15.0	595.6	594.3	593.2	591.3	588.7	588.0	587.6	588.0	588.7	591.3	593.2	594.3	595.6	594.3	593.2	591.3	588.7	588.0
17.5	594.8	593.8	591.7	588.9	586.7	585.1	584.2	585.1	586.7	588.9	591.7	593.8	594.8	593.8	591.7	588.9	586.7	585.1
20.0	592.5	590.8	589.5	586.0	583.2	581.0	581.2	581.0	583.2	586.0	589.5	590.8	592.5	590.8	589.5	586.0	583.2	581.0
22.5	585.7	586.5	583.4	582.2	578.5	576.2	575.3	576.2	578.5	582.2	583.4	586.5	585.7	586.5	583.4	582.2	578.5	576.2
25.0	573.9	572.7	571.6	570.1	570.6	567.9	569.1	567.9	570.6	570.1	571.6	572.7	573.9	572.7	571.6	570.1	570.6	567.9
27.5	555.5	553.9	554.9	555.0	555.5	555.8	556.8	555.8	555.5	555.0	554.9	553.9	555.5	553.9	554.9	555.0	555.5	555.8
30.0	525.0	526.2	526.7	531.3	532.6	536.2	535.6	536.2	532.6	531.3	526.7	526.2	525.0	526.2	526.7	531.3	532.6	536.2
32.5	488.4	488.6	491.1	494.7	499.6	502.0	504.1	502.0	499.6	494.7	491.1	488.6	488.4	488.6	491.1	494.7	499.6	502.0
35.0	437.9	439.4	441.2	446.3	452.0	454.1	455.6	454.1	452.0	446.3	441.2	439.4	437.9	439.4	441.2	446.3	452.0	454.1
37.5	378.7	378.4	380.6	383.2	386.5	388.1	388.9	388.1	386.5	383.2	380.6	378.4	378.7	378.4	380.6	383.2	386.5	388.1
40.0	307.5	306.1	305.1	306.3	306.9	306.3	305.1	306.3	306.9	306.3	305.1	306.1	307.5	306.1	305.1	306.3	306.9	306.3
42.5	227.8	226.8	225.3	224.1	220.9	217.9	217.4	217.9	220.9	224.1	225.3	226.8	227.8	226.8	225.3	224.1	220.9	217.9
45.0	156.0	154.3	151.9	149.7	145.9	143.7	142.5	143.7	145.9	149.7	151.9	154.3	156.0	154.3	151.9	149.7	145.9	143.7
47.5	103.1	102.4	100.2	97.6	95.1	93.5	92.8	93.5	95.1	97.6	100.2	102.4	103.1	102.4	100.2	97.6	95.1	93.5
50.0	74.4	74.1	72.6	70.8	69.2	68.2	68.1	68.2	69.2	70.8	72.6	74.1	74.4	74.1	72.6	70.8	69.2	68.2
52.5	61.0	60.7	59.9	58.6	57.6	57.0	57.2	57.0	57.6	58.6	59.9	60.7	61.0	60.7	59.9	58.6	57.6	57.0
55.0	53.9	53.8	53.0	52.3	51.4	51.1	51.0	51.1	51.4	52.3	53.0	53.8	53.9	53.8	53.0	52.3	51.4	51.1
57.5	49.1	49.1	48.5	48.0	47.3	47.2	47.1	47.2	47.3	48.0	48.5	49.1	49.1	49.1	48.5	48.0	47.3	47.2
60.0	45.9	45.6	45.3	44.6	44.5	44.0	43.9	44.0	44.5	44.6	45.3	45.6	45.9	45.6	45.3	44.6	44.5	44.0
62.5	42.5	42.5	42.2	41.8	41.5	41.3	41.3	41.3	41.5	41.8	42.2	42.5	42.5	42.5	42.2	41.8	41.5	41.3
65.0	39.5	39.4	39.2	38.8	38.6	38.6	38.7	38.6	38.6	38.8	39.2	39.4	39.5	39.4	39.2	38.8	38.6	38.6
67.5	35.9	36.1	36.1	35.8	35.3	35.4	35.7	35.4	35.3	35.8	36.1	36.1	35.9	36.1	36.1	35.8	35.3	35.4
70.0	32.3	32.8	32.8	32.2	31.9	32.2	32.5	32.2	31.9	32.2	32.8	32.8	32.3	32.8	32.8	32.2	31.9	32.2
72.5	28.8	29.2	29.4	28.6	28.2	28.7	29.2	28.7	28.2	28.6	29.4	29.2	28.8	29.2	29.4	28.6	28.2	28.7
75.0	24.9	25.2	25.5	24.9	24.6	24.8	25.4	24.8	24.6	24.9	25.5	25.2	24.9	25.2	25.5	24.9	24.6	24.8
77.5	20.5	20.6	20.9	20.4	20.3	20.4	20.8	20.4	20.3	20.4	20.9	20.6	20.5	20.6	20.9	20.4	20.3	20.4
80.0	15.3	15.4	15.6	15.2	15.1	15.1	15.4	15.1	15.1	15.2	15.6	15.4	15.3	15.4	15.6	15.2	15.1	15.1
82.5	10.1	10.0	10.1	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.1	10.0	10.1	10.0	10.1	9.9	9.9	9.9

article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
20303 lm
LOR
100 %
tilt angle
0.0 °

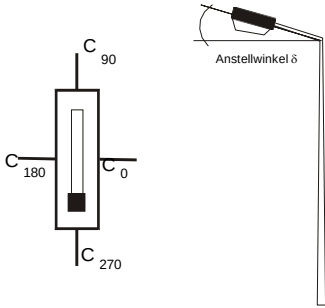


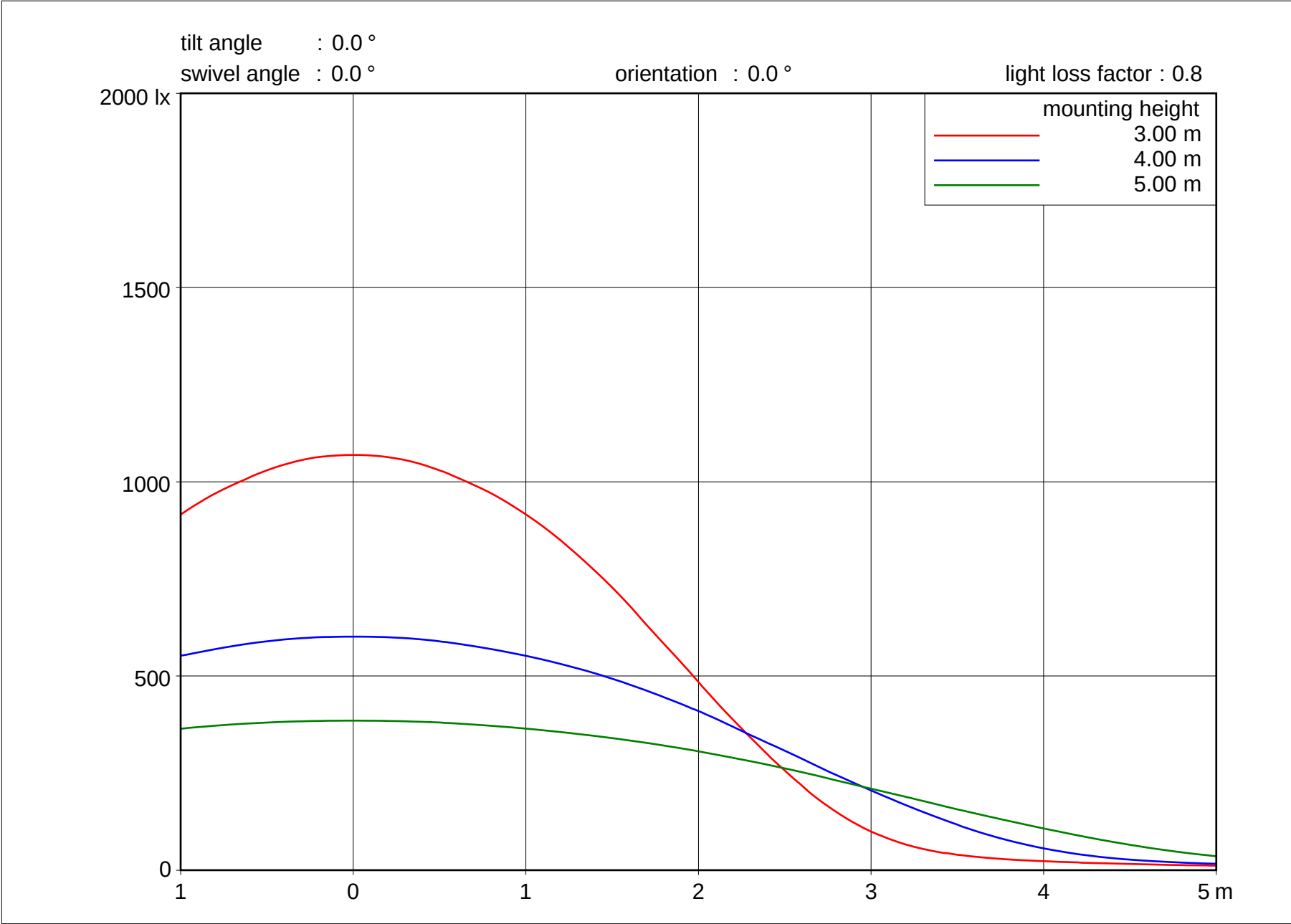
file : HIGHBAYLIGHT_LED_HL200W_BETA_200W_6000K

gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	592.0	592.0	592.0	592.0	592.0	592.0
2.5	591.4	591.7	592.1	592.1	592.3	592.5
5.0	591.2	591.1	591.4	592.1	593.1	593.7
7.5	590.3	591.0	591.2	592.0	593.5	593.6
10.0	589.5	590.3	590.8	592.0	593.3	594.0
12.5	588.0	588.6	590.5	591.6	593.3	594.3
15.0	587.6	588.0	588.7	591.3	593.2	594.3
17.5	584.2	585.1	586.7	588.9	591.7	593.8
20.0	581.2	581.0	583.2	586.0	589.5	590.8
22.5	575.3	576.2	578.5	582.2	583.4	586.5
25.0	569.1	567.9	570.6	570.1	571.6	572.7
27.5	556.8	555.8	555.5	555.0	554.9	553.9
30.0	535.6	536.2	532.6	531.3	526.7	526.2
32.5	504.1	502.0	499.6	494.7	491.1	488.6
35.0	455.6	454.1	452.0	446.3	441.2	439.4
37.5	388.9	388.1	386.5	383.2	380.6	378.4
40.0	305.1	306.3	306.9	306.3	305.1	306.1
42.5	217.4	217.9	220.9	224.1	225.3	226.8
45.0	142.5	143.7	145.9	149.7	151.9	154.3
47.5	92.8	93.5	95.1	97.6	100.2	102.4
50.0	68.1	68.2	69.2	70.8	72.6	74.1
52.5	57.2	57.0	57.6	58.6	59.9	60.7
55.0	51.0	51.1	51.4	52.3	53.0	53.8
57.5	47.1	47.2	47.3	48.0	48.5	49.1
60.0	43.9	44.0	44.5	44.6	45.3	45.6
62.5	41.3	41.3	41.5	41.8	42.2	42.5
65.0	38.7	38.6	38.6	38.8	39.2	39.4
67.5	35.7	35.4	35.3	35.8	36.1	36.1
70.0	32.5	32.2	31.9	32.2	32.8	32.8
72.5	29.2	28.7	28.2	28.6	29.4	29.2
75.0	25.4	24.8	24.6	24.9	25.5	25.2
77.5	20.8	20.4	20.3	20.4	20.9	20.6
80.0	15.4	15.1	15.1	15.2	15.6	15.4
82.5	9.9	9.9	9.9	9.9	10.1	10.0

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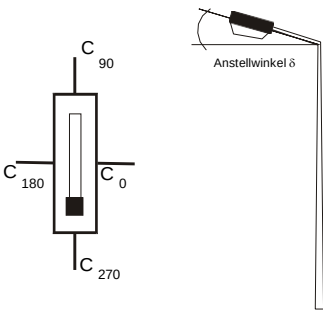
lamp(s)
1 x LED
total flux
20303 lm
LOR
100 %
tilt angle
0.0 °





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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

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