

file : STREETLIGHT_LED_GAMA_SL200W-CW_200W_6000K

meas. no. 03L2142
meas. date 2/4/2025
operator LightLab.

meas. conditions
ambient temperature 25.0 °C
voltage 230.00 V
current 0.832 A
power consumption 189.1 W
Leistungsfaktor 0.988

meas. lamps lum. flux [lm]
absolute measurement 21139.9 lm
luminous efficacy 112 lm/w

dimensions of luminaire
length 700 mm
width 285 mm
height 75 mm

dimensions of luminous area
length 400 mm
width 200 mm
height C0 20 mm
height C90 20 mm
height C180 20 mm
height C270 20 mm

reflector

cover

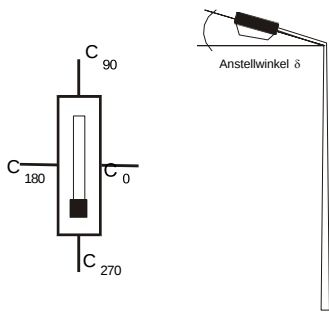
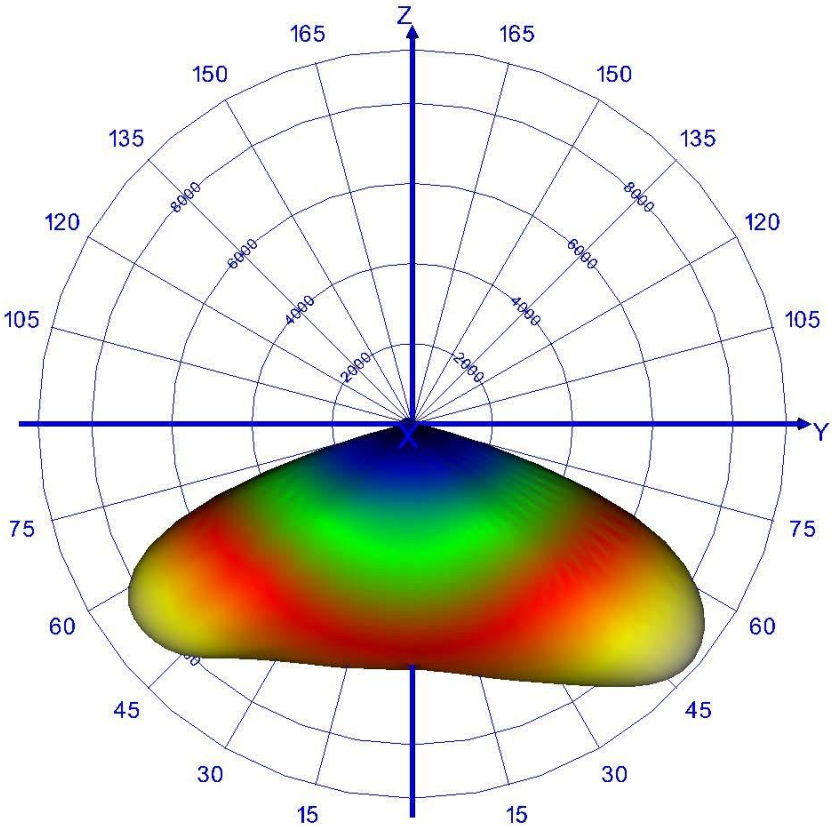
variant

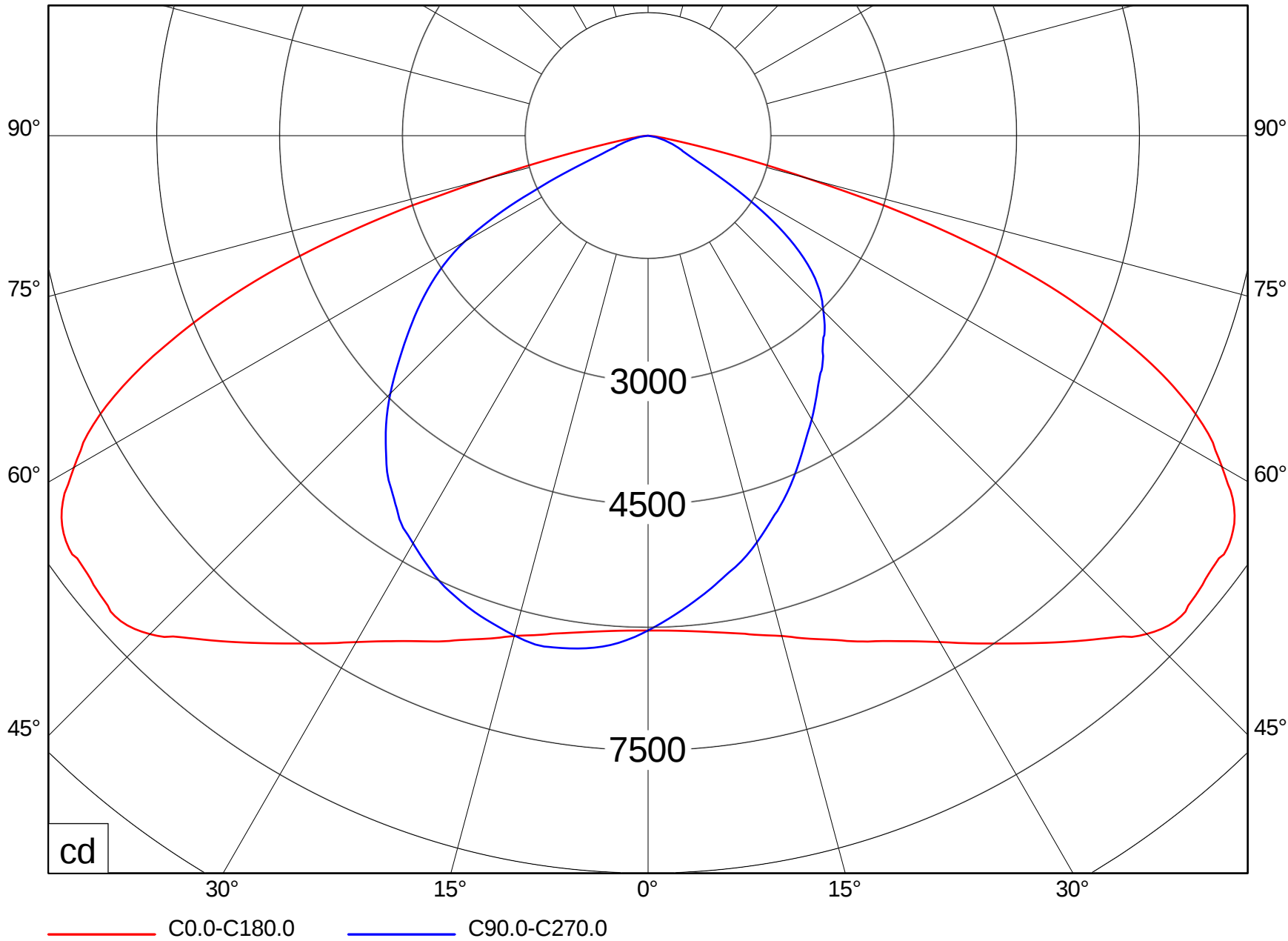
measurement results
flux of luminaire 21139.9 lm
classification / DIN A40
lower flux fraction 100.00 %
upper flux fraction 0.00 %
intensity maximum 9333.0 cd
in C-plane 97.5 °
at gamma 47.5 °
half value angle C0 : 71.1 °
C90 : 42.6 °
C270 : 55.9 °
tenth value angle C0 : 77.4 °
C90 : 62.9 °
C270 : 68.1 °

article code
Azar Teyf Co.

lamp(s)
1 x HID
total flux 21140 lm
LOR
100 %
tilt angle 0.0 °

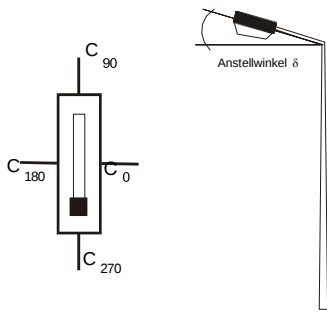
remarks





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lamp(s)
1 x HID
total flux
21140 lm
LOR
100 %
tilt angle
0.0 °

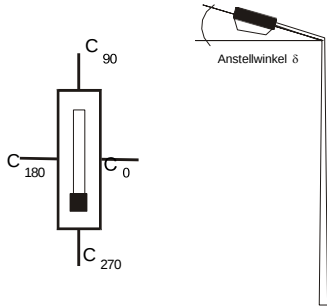


distance [m]	cone diameter [m]	E [lx]	
1.0	5.84	E(0°) E(C0) 71.1°	6038 1431
2.0	11.68	E(0°) E(C0) 71.1°	1510 358
3.0	17.52	E(0°) E(C0) 71.1°	671 159
4.0	23.37	E(0°) E(C0) 71.1°	377 89
5.0	29.21	E(0°) E(C0) 71.1°	242 57

half value angle 142.2°

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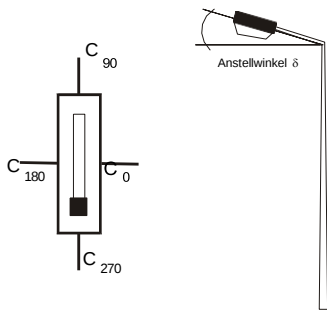
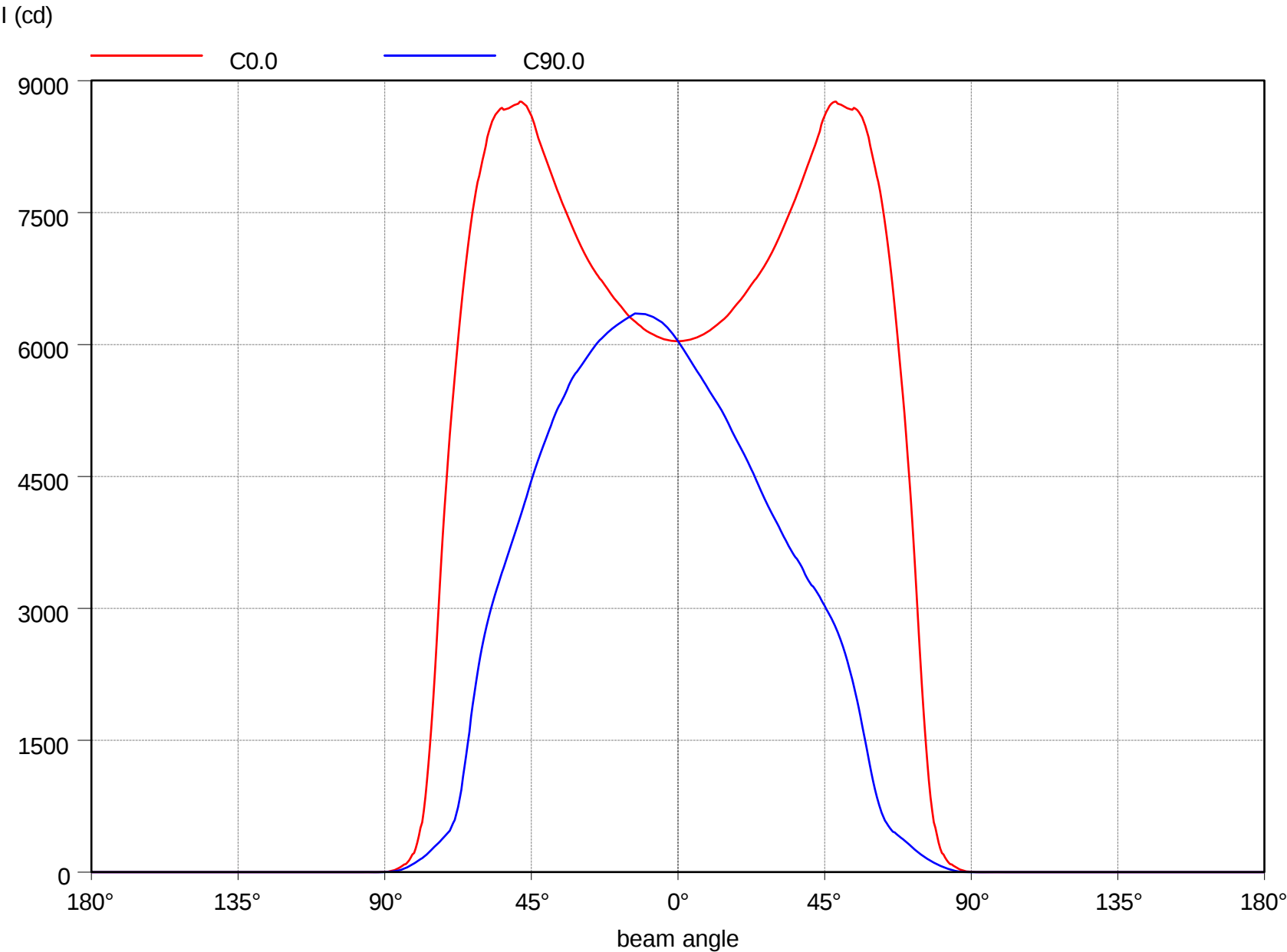


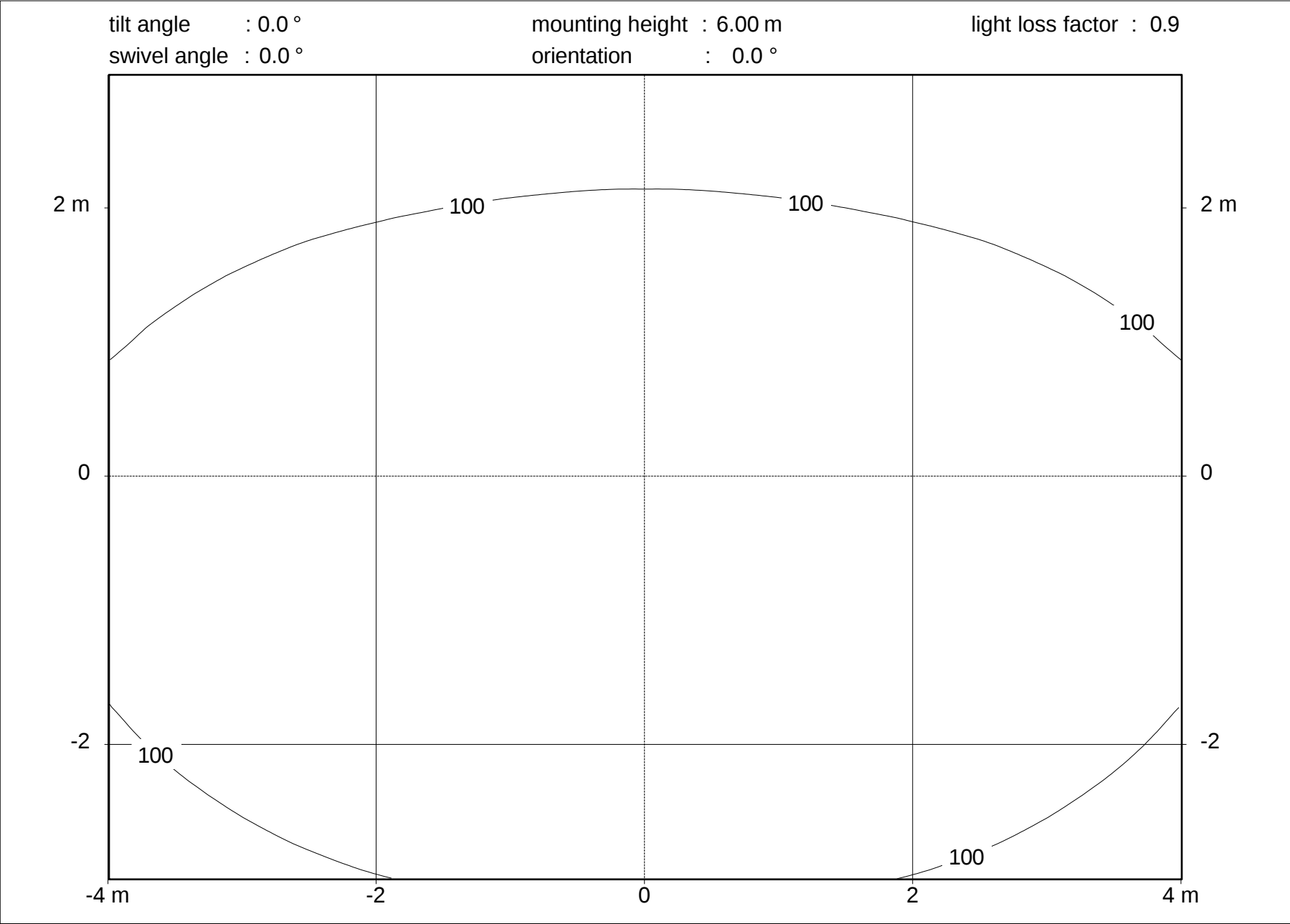
article code

Azar Teyf Co.

lamp(s)

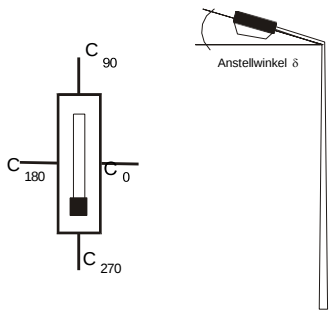
1 x HID
total flux
21140 lm
LOR
100 %
tilt angle
0.0 °





article code
Azar Teyf Co.

lamp(s)
1 x HID
total flux
21140 lm
LOR
100 %
tilt angle
0.0 °

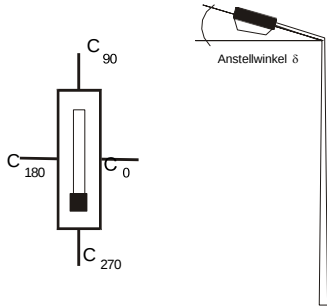


file : STREETLIGHT_LED_GAMA_SL200W-CW_200W_6000K

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	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6
2.5	286.0	284.0	282.4	281.1	280.0	279.2	278.9	279.2	280.0	281.1	282.4	284.0	286.0	287.7	289.1	290.2	291.0	291.4
5.0	287.1	283.6	280.2	276.8	274.2	272.6	272.0	272.6	274.2	276.8	280.2	283.6	287.1	290.0	292.5	294.1	295.2	295.8
7.5	289.1	283.6	278.0	272.6	268.2	265.7	265.1	265.7	268.2	272.6	278.0	283.6	289.1	293.8	296.7	298.5	298.4	298.7
10.0	291.6	284.4	276.6	269.0	262.8	259.2	257.8	259.2	262.8	269.0	276.6	284.4	291.6	297.5	300.9	302.0	301.6	300.8
12.5	295.2	286.0	275.3	265.3	257.3	252.5	251.1	252.5	257.3	265.3	275.3	286.0	295.2	301.9	304.7	304.9	303.7	301.4
15.0	299.0	288.0	275.0	262.1	251.8	245.4	243.0	245.4	251.8	262.1	275.0	288.0	299.0	307.5	309.2	307.9	304.1	300.1
17.5	304.3	290.4	274.9	259.3	246.1	237.3	234.0	237.3	246.1	259.3	274.9	290.4	304.3	312.5	313.9	309.6	303.5	298.1
20.0	309.6	294.3	274.9	256.0	239.7	229.2	225.8	229.2	239.7	256.0	274.9	294.3	309.6	318.1	317.9	311.8	302.3	295.2
22.5	316.0	298.5	276.6	253.0	233.0	220.6	216.8	220.6	233.0	253.0	276.6	298.5	316.0	323.5	322.1	313.3	301.2	292.6
25.0	321.9	303.8	277.8	249.5	226.5	211.6	207.1	211.6	226.5	249.5	277.8	303.8	321.9	329.8	326.3	313.7	299.0	288.8
27.5	329.0	309.0	279.4	246.1	219.5	203.2	197.5	203.2	219.5	246.1	279.4	309.0	329.0	336.8	330.8	314.7	296.6	284.4
30.0	337.5	315.4	280.2	242.9	211.8	194.5	189.1	194.5	211.8	242.9	280.2	315.4	337.5	343.3	334.8	314.4	294.2	278.7
32.5	347.4	322.3	282.4	238.6	204.9	186.6	180.5	186.6	204.9	238.6	282.4	322.3	347.4	352.6	337.5	315.3	289.9	272.5
35.0	357.8	329.8	283.9	233.9	197.6	177.9	172.3	177.9	197.6	233.9	283.9	329.8	357.8	362.4	342.9	314.8	285.6	264.9
37.5	369.1	338.2	286.3	229.7	190.1	171.2	165.6	171.2	190.1	229.7	286.3	338.2	369.1	373.2	347.6	312.1	280.5	256.8
40.0	381.1	345.7	285.4	223.0	182.3	163.7	157.1	163.7	182.3	223.0	285.4	345.7	381.1	383.7	353.1	310.5	273.4	247.2
42.5	393.2	352.4	284.0	215.9	174.4	156.1	151.0	156.1	174.4	215.9	284.0	352.4	393.2	394.2	356.5	307.1	264.6	235.4
45.0	406.9	358.2	280.6	207.7	166.3	148.3	143.3	148.3	166.3	207.7	280.6	358.2	406.9	404.5	359.3	302.9	253.2	221.8
47.5	414.0	359.0	274.6	197.0	156.9	139.3	135.1	139.3	156.9	197.0	274.6	359.0	414.0	413.6	360.1	295.3	240.4	208.3
50.0	412.8	351.9	264.3	186.1	146.0	129.3	124.5	129.3	146.0	186.1	264.3	351.9	412.8	412.8	358.9	283.8	225.3	193.8
52.5	410.6	341.4	246.1	171.9	133.1	115.7	110.3	115.7	133.1	171.9	246.1	341.4	410.6	408.5	346.8	266.9	207.1	179.3
55.0	410.0	331.3	226.7	154.9	116.4	98.3	92.3	98.3	116.4	154.9	226.7	331.3	410.0	403.8	328.1	246.3	186.7	162.7
57.5	401.4	316.5	205.0	128.9	95.9	76.8	70.2	76.8	95.9	128.9	205.0	316.5	401.4	395.2	305.5	217.1	163.7	145.3
60.0	382.9	291.9	178.2	95.3	70.9	54.1	48.1	54.1	70.9	95.3	178.2	291.9	382.9	375.7	279.2	181.1	139.0	124.7
62.5	361.2	264.9	141.0	61.4	45.9	36.0	32.0	36.0	45.9	61.4	141.0	264.9	361.2	348.0	242.4	141.4	108.6	99.2
65.0	328.7	231.7	99.8	40.0	29.2	25.7	23.8	25.7	29.2	40.0	99.8	231.7	328.7	313.5	200.8	96.0	71.4	67.7
67.5	286.0	190.0	62.5	28.2	21.9	20.9	19.9	20.9	21.9	28.2	62.5	190.0	286.0	270.8	154.2	57.0	40.9	39.8
70.0	235.4	144.5	36.7	20.7	17.9	17.2	16.4	17.2	17.9	20.7	36.7	144.5	235.4	220.9	102.7	33.9	26.2	24.6
72.5	171.6	97.3	21.7	16.1	14.2	13.4	12.4	13.4	14.2	16.1	21.7	97.3	171.6	163.4	57.6	21.6	19.3	18.4
75.0	96.5	55.8	14.6	12.5	10.8	9.9	8.9	9.9	10.8	12.5	14.6	55.8	96.5	104.1	28.2	15.9	15.0	14.1
77.5	40.4	25.4	10.5	9.1	7.7	6.8	6.2	6.8	7.7	9.1	10.5	25.4	40.4	52.2	14.9	12.1	11.3	10.0

article code
Azar Teyf Co.

lamp(s)
1 x HID
total flux
21140 lm
LOR
100 %
tilt angle
0.0 °

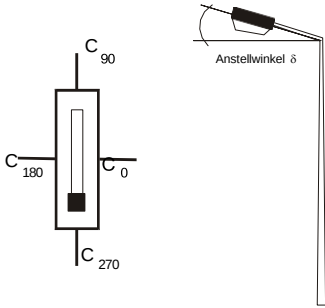


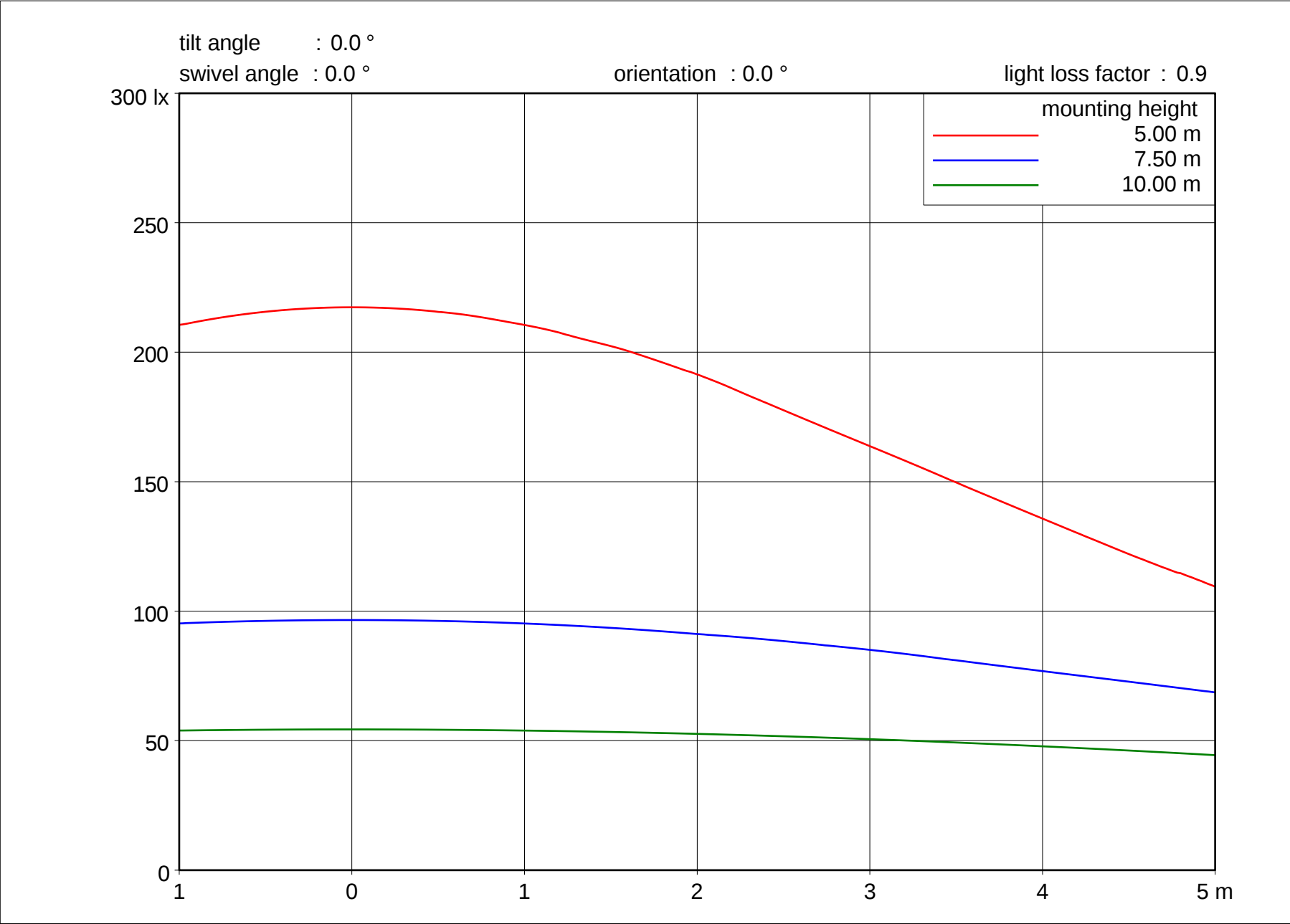
file : STREETLIGHT_LED_GAMA_SL200W-CW_200W_6000K

gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	285.6	285.6	285.6	285.6	285.6	285.6
2.5	291.5	291.4	291.0	290.2	289.1	287.7
5.0	296.0	295.8	295.2	294.1	292.5	290.0
7.5	298.5	298.7	298.4	298.5	296.7	293.8
10.0	300.2	300.8	301.6	302.0	300.9	297.5
12.5	300.9	301.4	303.7	304.9	304.7	301.9
15.0	298.6	300.1	304.1	307.9	309.2	307.5
17.5	295.7	298.1	303.5	309.6	313.9	312.5
20.0	292.6	295.2	302.3	311.8	317.9	318.1
22.5	288.7	292.6	301.2	313.3	322.1	323.5
25.0	284.2	288.8	299.0	313.7	326.3	329.8
27.5	278.1	284.4	296.6	314.7	330.8	336.8
30.0	271.6	278.7	294.2	314.4	334.8	343.3
32.5	265.5	272.5	289.9	315.3	337.5	352.6
35.0	255.9	264.9	285.6	314.8	342.9	362.4
37.5	247.1	256.8	280.5	312.1	347.6	373.2
40.0	235.6	247.2	273.4	310.5	353.1	383.7
42.5	223.7	235.4	264.6	307.1	356.5	394.2
45.0	210.6	221.8	253.2	302.9	359.3	404.5
47.5	196.2	208.3	240.4	295.3	360.1	413.6
50.0	182.5	193.8	225.3	283.8	358.9	412.8
52.5	169.2	179.3	207.1	266.9	346.8	408.5
55.0	155.7	162.7	186.7	246.3	328.1	403.8
57.5	140.9	145.3	163.7	217.1	305.5	395.2
60.0	122.4	124.7	139.0	181.1	279.2	375.7
62.5	96.0	99.2	108.6	141.4	242.4	348.0
65.0	62.9	67.7	71.4	96.0	200.8	313.5
67.5	35.0	39.8	40.9	57.0	154.2	270.8
70.0	22.3	24.6	26.2	33.9	102.7	220.9
72.5	17.5	18.4	19.3	21.6	57.6	163.4
75.0	13.2	14.1	15.0	15.9	28.2	104.1
77.5	8.9	10.0	11.3	12.1	14.9	52.2

article code
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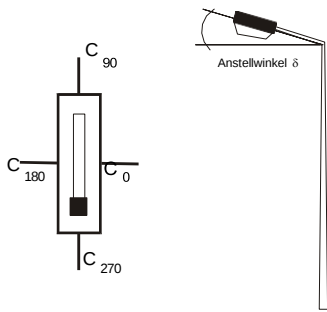
lamp(s)
1 x HID
total flux
21140 lm
LOR
100 %
tilt angle
0.0 °





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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	

article code

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lamp(s)

1 x HID

total flux

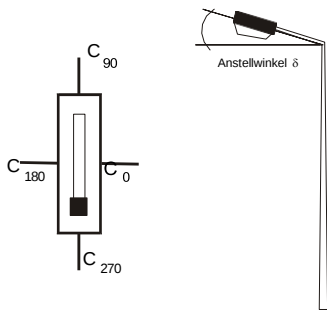
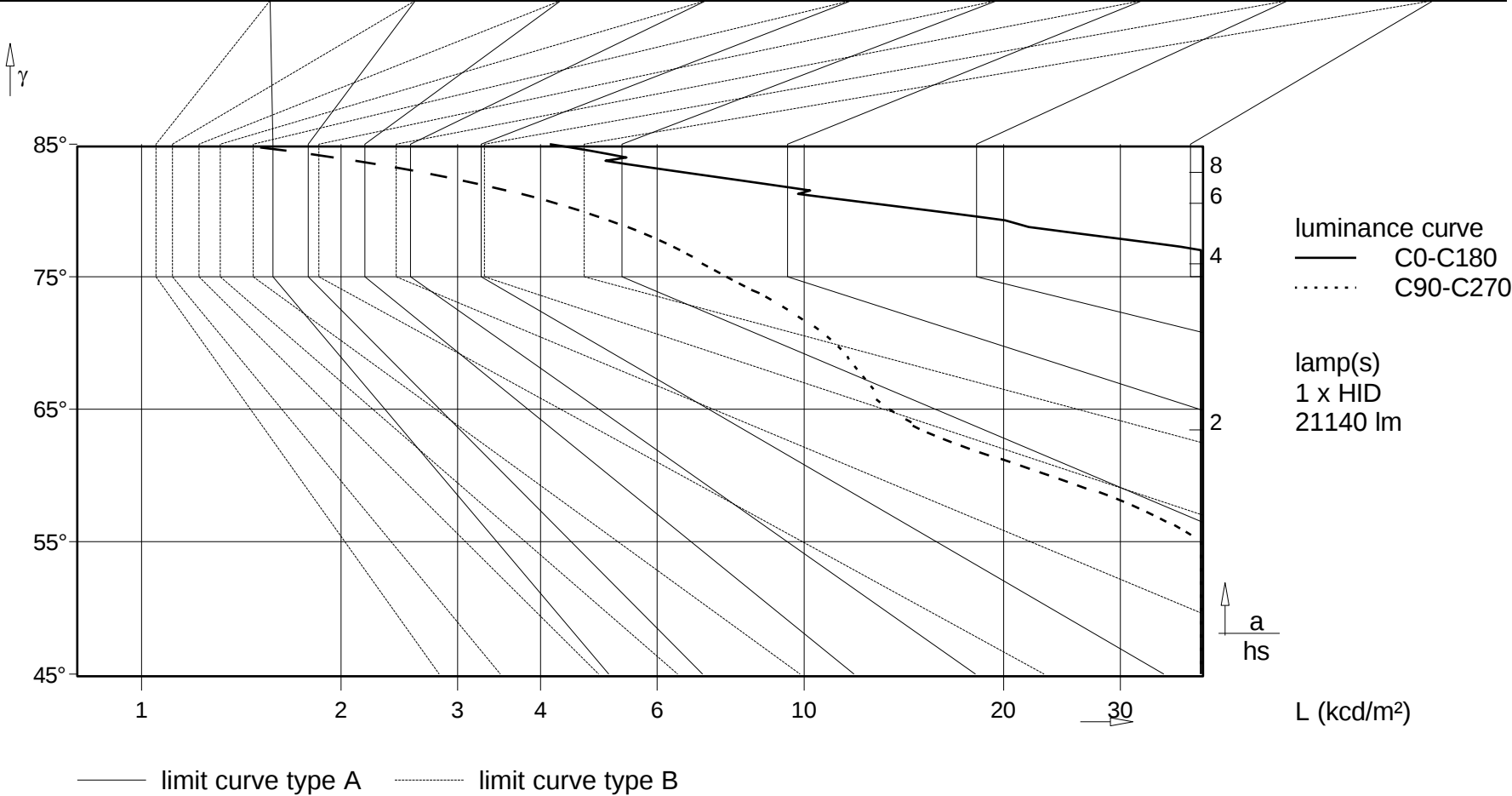
21140 lm

LOR

100 %

tilt angle

0.0 °





- Electrical Test Results:**

Electrical Parameter of Luminaire			
Vac	230.00 [V]	Ithd	8.38 [%]
Vthd	0.07 [%]	AC Pwr	189.14 [W]
Freq	50.00 [Hz]	App Pwr	191.36 [VA]
Iac	0.832 [A]	React Pwr	29.07 [Var]
Ipp	1.244 [A]	Pwr Fact	0.988

