

meas. no.	93L179
meas. date	9/3/2014
operator	LightLab
meas. conditions	
ambient temperature	25.0 °C
voltage	230.00 V
current	0.990 A
power consumption	21.5 W
meas. lamps	
lum. flux [lm]	
1	2151.0 lm

dimensions of luminaire	
length	500 mm
width	210 mm
height	70 mm

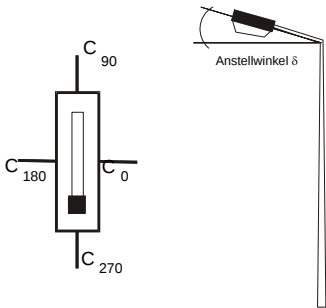
dimensions of luminous area	
length	90 mm
width	100 mm
height C0	35 mm
height C90	35 mm
height C180	35 mm
height C270	35 mm

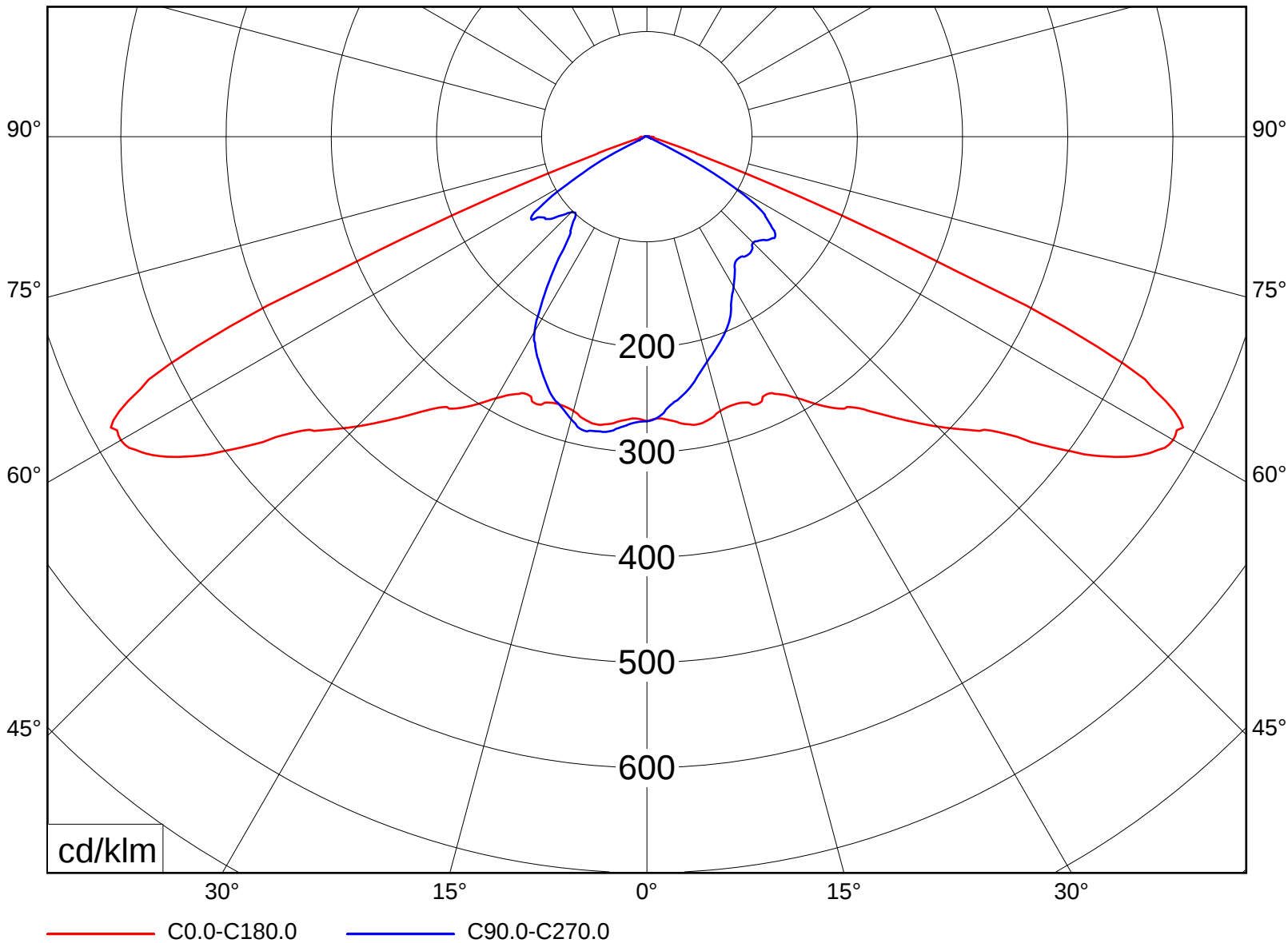
measurement results	
flux of luminaire	2150.8 lm
classification / DIN	A40
lower flux fraction	99.52 %
upper flux fraction	0.48 %
intensity maximum	652.4 cd/klm
in C-plane	12.5 °
at gamma	65.0 °
half value angle	C0 : 66.8 °
	C90 : 54.7 °
	C270 : 35.9 °
tenth value angle	C0 : 70.6 °
	C90 : 63.6 °
	C270 : 63.5 °

article code
Shahab Tousheh Co.

lamp(s)
1 x LED
total flux
2151 lm
LOR
100 %
tilt angle
0.0 °

file
STREETLIGHT_

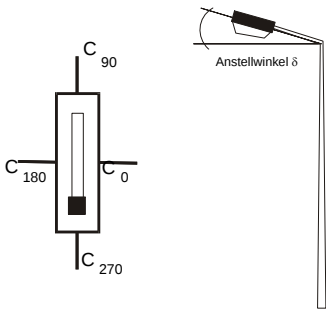




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1 x LED
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distance [m]	cone diameter [m]	E [lx]	
1.0	4.67	E(0°) E(C0) 66.8°	582 249
2.0	9.33	E(0°) E(C0) 66.8°	146 62
3.0	14.00	E(0°) E(C0) 66.8°	65 28
4.0	18.67	E(0°) E(C0) 66.8°	36 16
5.0	23.33	E(0°) E(C0) 66.8°	23 10

half value angle 133.6°

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lamp(s)

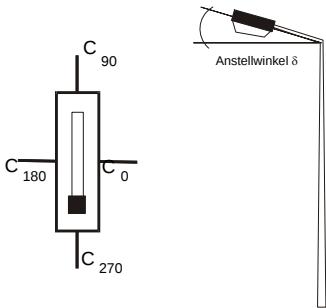
1 x LED

total flux
2151 lm

LOR
100 %
tilt angle
0.0 °

file

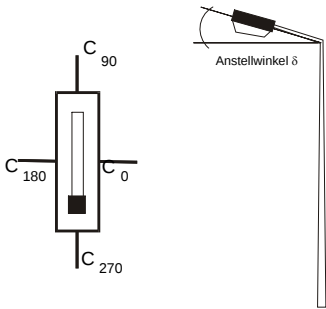
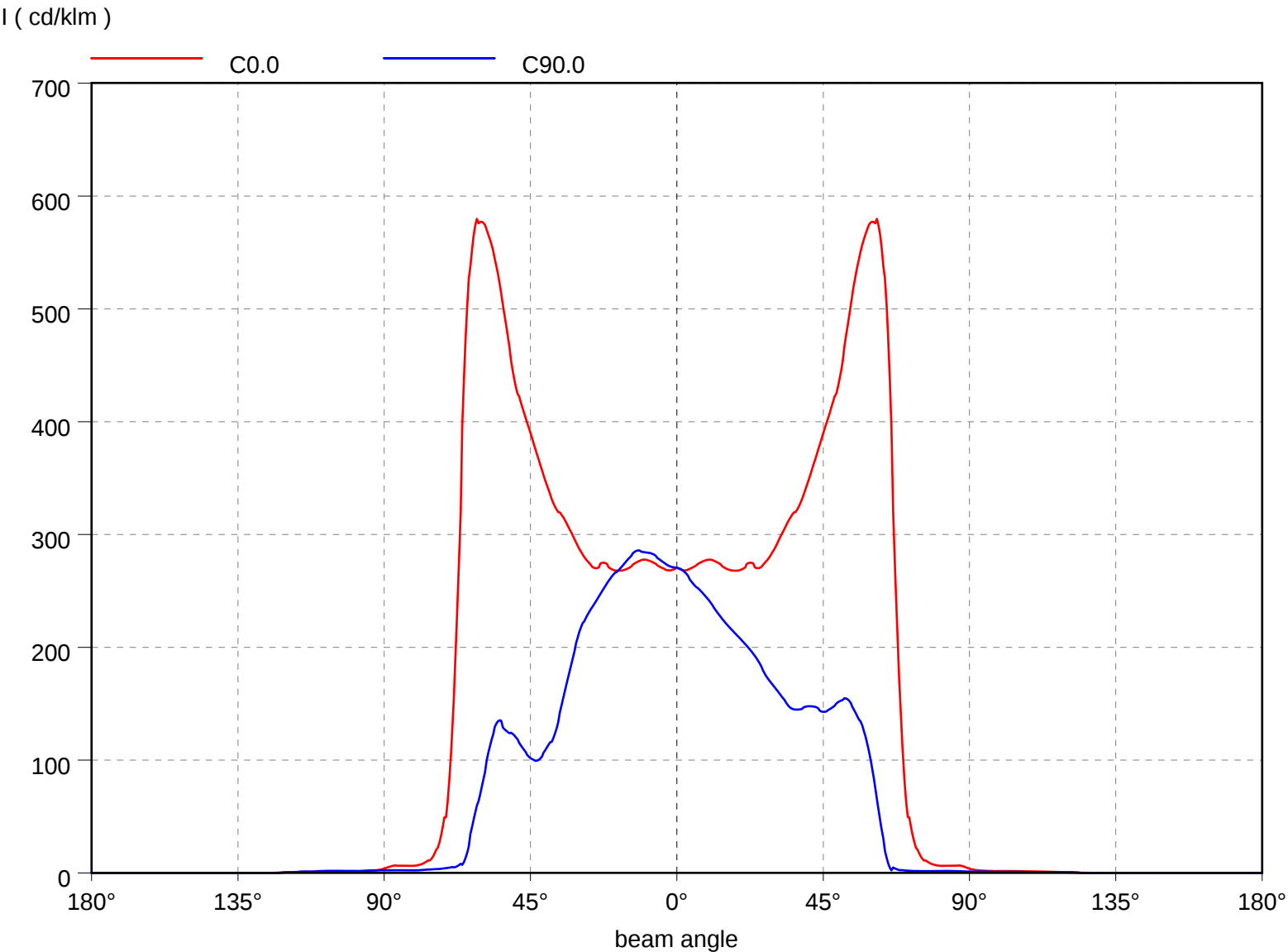
STREETLIGHT_

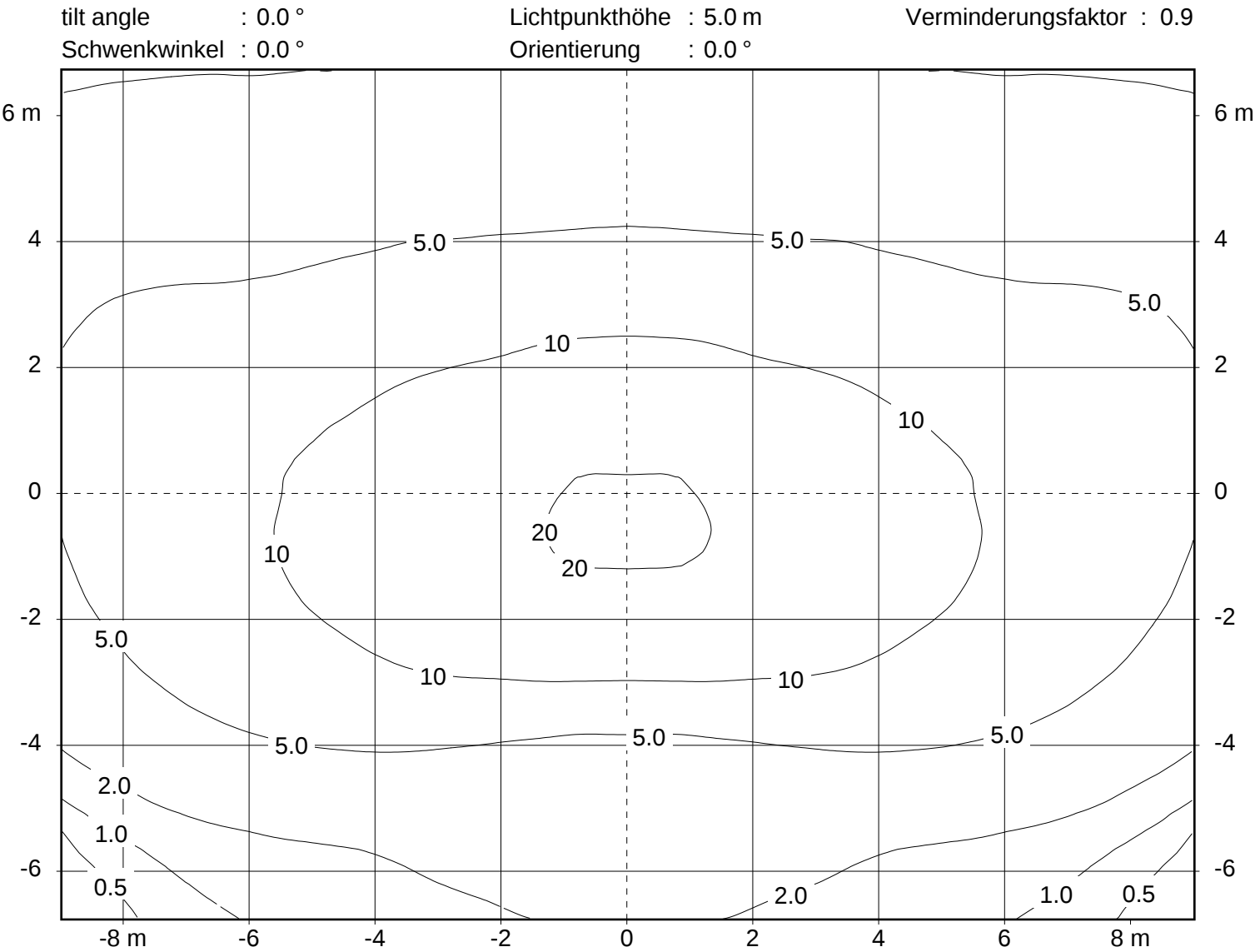


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1 x LED
total flux
2151 lm
LOR
100 %
tilt angle
0.0 °

file
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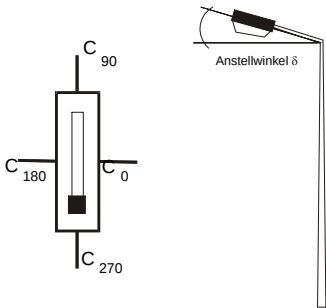




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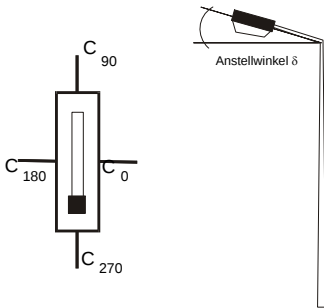


gamma / °	C 0	C 15	C 30	C 45	C 60	C 75	C 90	C 105	C 120	C 135	C 150	C 165	C 180	C 195	C 210	C 225	C 240
0.0	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6
2.5	268.2	269.0	270.0	270.2	268.1	266.7	266.4	266.7	268.1	270.2	270.0	269.0	268.2	268.9	270.8	271.3	271.6
5.0	271.0	274.3	268.9	263.6	259.7	257.3	256.4	257.3	259.7	263.6	268.9	274.3	271.0	275.5	276.9	277.8	277.8
7.5	275.5	279.5	268.4	261.0	255.1	251.4	249.5	251.4	255.1	261.0	268.4	279.5	275.5	283.0	284.9	286.2	285.8
10.0	277.7	278.1	266.8	256.8	249.0	242.8	241.1	242.8	249.0	256.8	266.8	278.1	277.7	288.4	291.6	292.0	290.0
12.5	275.2	275.4	262.0	251.8	243.0	236.9	230.7	236.9	243.0	251.8	262.0	275.4	275.2	291.9	297.3	294.2	292.5
15.0	270.0	267.5	255.8	241.8	233.3	226.6	221.4	226.6	233.3	241.8	255.8	267.5	270.0	290.3	296.0	295.7	288.5
17.5	267.9	261.7	247.7	235.8	227.2	219.5	213.6	219.5	227.2	235.8	247.7	261.7	267.9	288.4	295.5	295.6	285.5
20.0	269.1	259.6	242.7	229.3	222.0	211.6	206.1	211.6	222.0	229.3	242.7	259.6	269.1	287.5	293.9	292.6	281.5
22.5	275.0	262.0	240.7	223.1	214.6	203.4	197.9	203.4	214.6	223.1	240.7	262.0	275.0	290.8	293.1	290.1	277.5
25.0	270.1	264.9	240.6	221.0	206.4	192.9	188.0	192.9	206.4	221.0	240.6	264.9	270.1	300.7	297.2	290.2	273.0
27.5	276.3	274.5	239.8	214.1	197.8	182.4	174.3	182.4	197.8	214.1	239.8	274.5	276.3	307.5	302.7	282.3	263.3
30.0	287.2	279.4	244.0	209.9	187.0	170.5	164.9	170.5	187.0	209.9	244.0	279.4	287.2	320.4	305.1	279.5	254.1
32.5	301.8	284.1	246.6	205.3	178.0	159.7	155.4	159.7	178.0	205.3	246.6	284.1	301.8	330.1	315.2	279.8	241.2
35.0	315.4	295.5	249.8	204.5	168.5	150.4	146.3	150.4	168.5	204.5	249.8	295.5	315.4	344.0	323.7	279.8	223.4
37.5	324.7	302.6	256.5	200.3	164.1	150.3	144.9	150.3	164.1	200.3	256.5	302.6	324.7	358.4	330.0	279.3	206.7
40.0	343.8	315.3	259.8	196.9	164.6	148.8	147.6	148.8	164.6	196.9	259.8	315.3	343.8	370.8	339.5	276.5	183.0
42.5	366.2	324.5	264.3	200.4	166.9	150.4	147.2	150.4	166.9	200.4	264.3	324.5	366.2	384.0	348.1	271.4	159.9
45.0	389.6	349.3	269.3	202.8	170.3	147.5	142.8	147.5	170.3	202.8	269.3	349.3	389.6	407.5	353.1	260.8	137.3
47.5	412.5	369.3	277.5	210.6	174.0	151.4	146.0	151.4	174.0	210.6	277.5	369.3	412.5	432.0	358.8	246.1	125.3
50.0	437.3	385.0	284.0	219.8	175.9	153.5	152.1	153.5	175.9	219.8	284.0	385.0	437.3	439.4	366.3	221.3	124.1
52.5	485.0	422.2	301.9	238.0	176.8	157.4	153.9	157.4	176.8	238.0	301.9	422.2	485.0	466.9	366.5	195.8	125.3
55.0	530.0	474.3	329.5	244.4	175.8	152.6	141.7	152.6	175.8	244.4	329.5	474.3	530.0	501.8	363.0	173.1	127.3
57.5	561.7	527.0	368.5	248.5	173.6	139.6	126.1	139.6	173.6	248.5	368.5	527.0	561.7	507.9	349.5	157.6	125.7
60.0	577.2	571.1	430.1	254.0	155.6	108.4	93.8	108.4	155.6	254.0	430.1	571.1	577.2	495.1	310.6	136.1	124.6
62.5	565.3	604.0	516.0	246.1	97.9	55.3	46.8	55.3	97.9	246.1	516.0	604.0	565.3	441.9	198.3	105.3	107.4
65.0	472.5	573.0	524.3	178.9	25.8	12.2	8.3	12.2	25.8	178.9	524.3	573.0	472.5	288.5	66.4	62.9	62.9
67.5	236.1	381.4	350.4	69.4	6.2	4.4	3.4	4.4	6.2	69.4	350.4	381.4	236.1	97.1	18.6	18.0	19.0
70.0	81.4	126.2	119.6	13.4	4.6	3.1	2.2	3.1	4.6	13.4	119.6	126.2	81.4	27.3	5.4	5.2	4.8
72.5	33.5	57.2	32.3	4.9	4.3	2.9	1.8	2.9	4.3	4.9	32.3	57.2	33.5	9.6	3.4	3.2	3.3

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lamp(s)
1 x LED
total flux
2151 lm
LOR
100 %
tilt angle
0.0 °

file
STREETLIGHT_

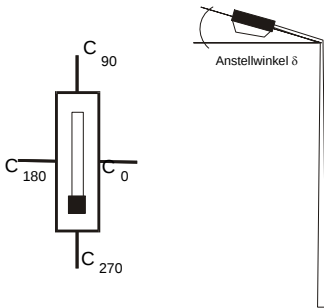


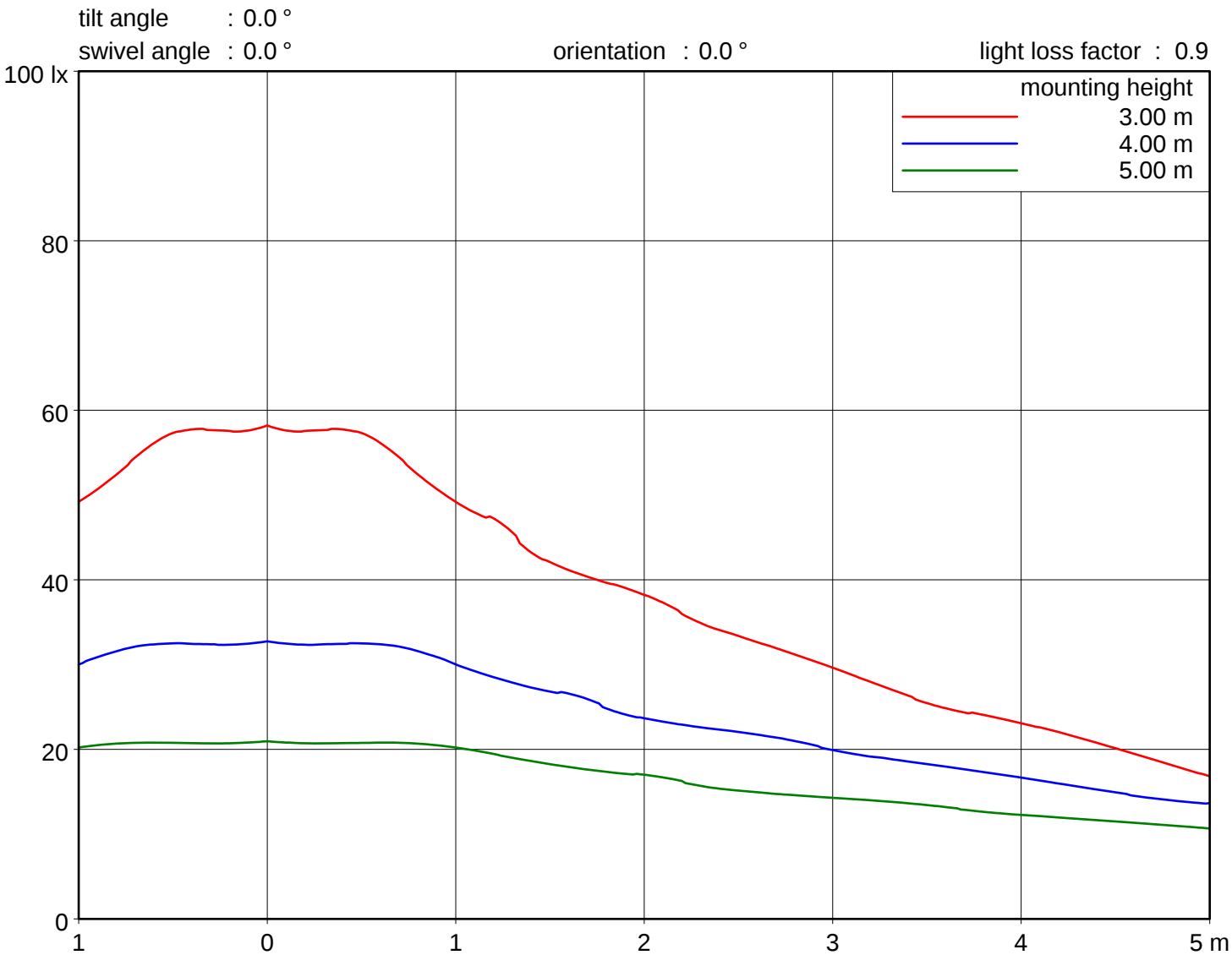
gamma / °	C 255	C 270	C 285	C 300	C 315	C 330	C 345
0.0	270.6	270.6	270.6	270.6	270.6	270.6	270.6
2.5	271.9	272.2	271.9	271.6	271.3	270.8	268.9
5.0	277.3	277.1	277.3	277.8	277.8	276.9	275.5
7.5	284.3	282.8	284.3	285.8	286.2	284.9	283.0
10.0	285.5	284.3	285.5	290.0	292.0	291.6	288.4
12.5	283.2	285.4	283.2	292.5	294.2	297.3	291.9
15.0	278.1	278.1	278.1	288.5	295.7	296.0	290.3
17.5	272.8	269.7	272.8	285.5	295.6	295.5	288.4
20.0	266.3	262.9	266.3	281.5	292.6	293.9	287.5
22.5	259.0	252.1	259.0	277.5	290.1	293.1	290.8
25.0	251.5	240.3	251.5	273.0	290.2	297.2	300.7
27.5	238.8	228.7	238.8	263.3	282.3	302.7	307.5
30.0	223.4	213.6	223.4	254.1	279.5	305.1	320.4
32.5	199.2	184.7	199.2	241.2	279.8	315.2	330.1
35.0	171.3	154.4	171.3	223.4	279.8	323.7	344.0
37.5	141.4	123.4	141.4	206.7	279.3	330.0	358.4
40.0	114.7	111.1	114.7	183.0	276.5	339.5	370.8
42.5	105.7	100.2	105.7	159.9	271.4	348.1	384.0
45.0	104.1	101.7	104.1	137.3	260.8	353.1	407.5
47.5	104.9	111.1	104.9	125.3	246.1	358.8	432.0
50.0	118.7	121.9	118.7	124.1	221.3	366.3	439.4
52.5	126.1	126.0	126.1	125.3	195.8	366.5	466.9
55.0	127.8	134.5	127.8	127.3	173.1	363.0	501.8
57.5	117.8	112.4	117.8	125.7	157.6	349.5	507.9
60.0	93.4	76.1	93.4	124.6	136.1	310.6	495.1
62.5	60.3	47.5	60.3	107.4	105.3	198.3	441.9
65.0	26.4	13.2	26.4	62.9	62.9	66.4	288.5
67.5	6.7	6.1	6.7	19.0	18.0	18.6	97.1
70.0	3.7	4.7	3.7	4.8	5.2	5.4	27.3
72.5	3.2	3.7	3.2	3.3	3.2	3.4	9.6

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lamp(s)
1 x LED
total flux
2151 lm
LOR
100 %
tilt angle
0.0 °

file
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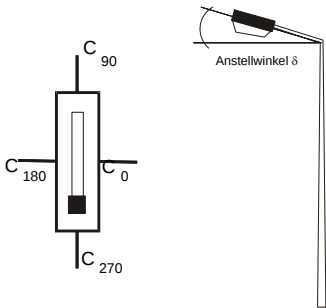




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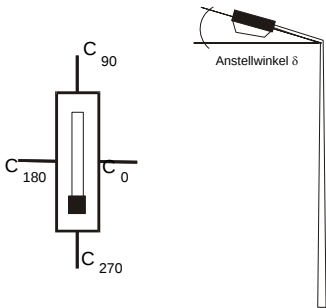
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class		glare rating for illuminance (lx)									
A	A	1000	750	500	--	≤ 300					
1	B	2000	1500	1000	750	500	≤ 300				
2	D					2000	1000	500	≤ 300		
3	E						2000	1000	500	≤ 300	

