

**meas. no.** 93L189  
**meas. date** 11/1/2014  
**operator** LightLab

**meas. conditions**  
 ambient temperature 25.0 °C  
 voltage 230.00 V  
 current 0.523 A  
 power consumption 116.0 W

**meas. lamps** lum. flux [lm]  
 1 9961.0 lm

**measurement results**  
 flux of luminaire 9961.1 lm  
 classification / DIN A50  
 lower flux fraction 99.90 %  
 upper flux fraction 0.10 %  
 intensity maximum 523.9 cd/klm  
 in C-plane 180.0 °  
 at gamma 2.5 °  
 half value angle C0 : 41.6 °  
 C90 : 39.8 °  
 C270 : 38.9 °  
 tenth value angle C0 : 74.2 °  
 C90 : 66.5 °  
 C270 : 66.2 °

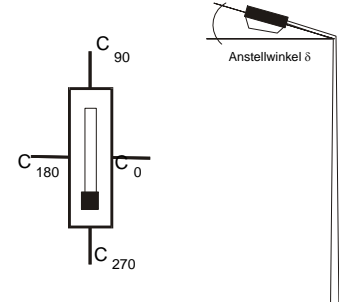
**article code**  
 Alef Industrial Group

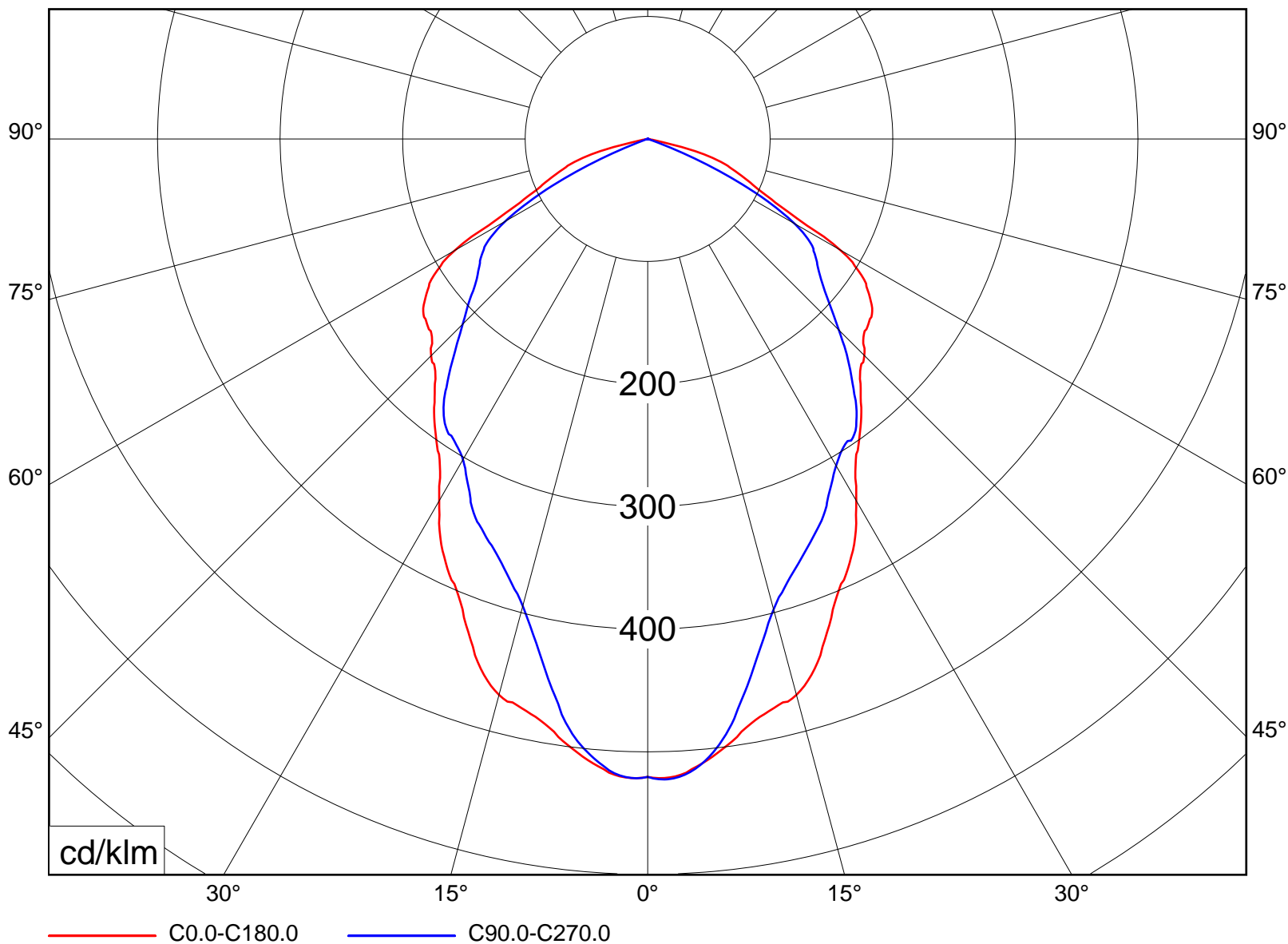
**lamp(s)**  
 1 x LED  
 total flux 9961 lm  
 LOR  
 100 %  
 tilt angle 0.0 °

**file**  
 STREETLIGHT\_

**dimensions of luminaire**  
 length 550 mm  
 width 305 mm  
 height 270 mm

**dimensions of luminous area**  
 length 420 mm  
 width 270 mm  
 height C0 10 mm  
 height C90 10 mm  
 height C180 10 mm  
 height C270 10 mm





**article code**

Alef Industrial Group

**lamp(s)**

1 x LED

total flux  
9961 lm

LOR

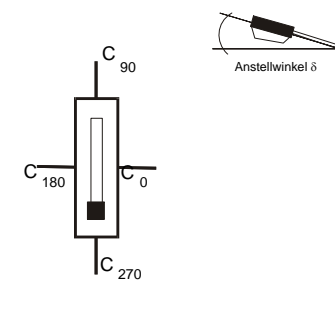
100 %

tilt angle

0.0 °

**file**

STREETLIGHT\_



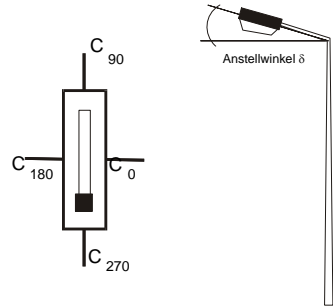
distance [m]	cone diameter [m]	E [lx]
1.0	1.78	E(0°) 5182 E(C0) 41.6° 1942
2.0	3.55	E(0°) 1295 E(C0) 41.6° 486
3.0	5.33	E(0°) 576 E(C0) 41.6° 216
4.0	7.10	E(0°) 324 E(C0) 41.6° 121
5.0	8.88	E(0°) 207 E(C0) 41.6° 78

half value angle 83.2°

**article code**  
Alef Industrial Group

**lamp(s)**  
1 x LED  
total flux  
9961 lm  
LOR  
100 %  
tilt angle  
0.0 °

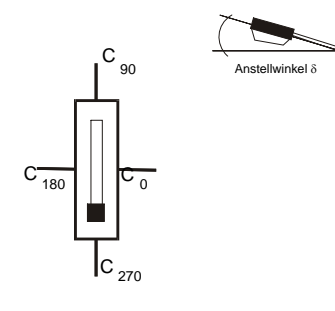
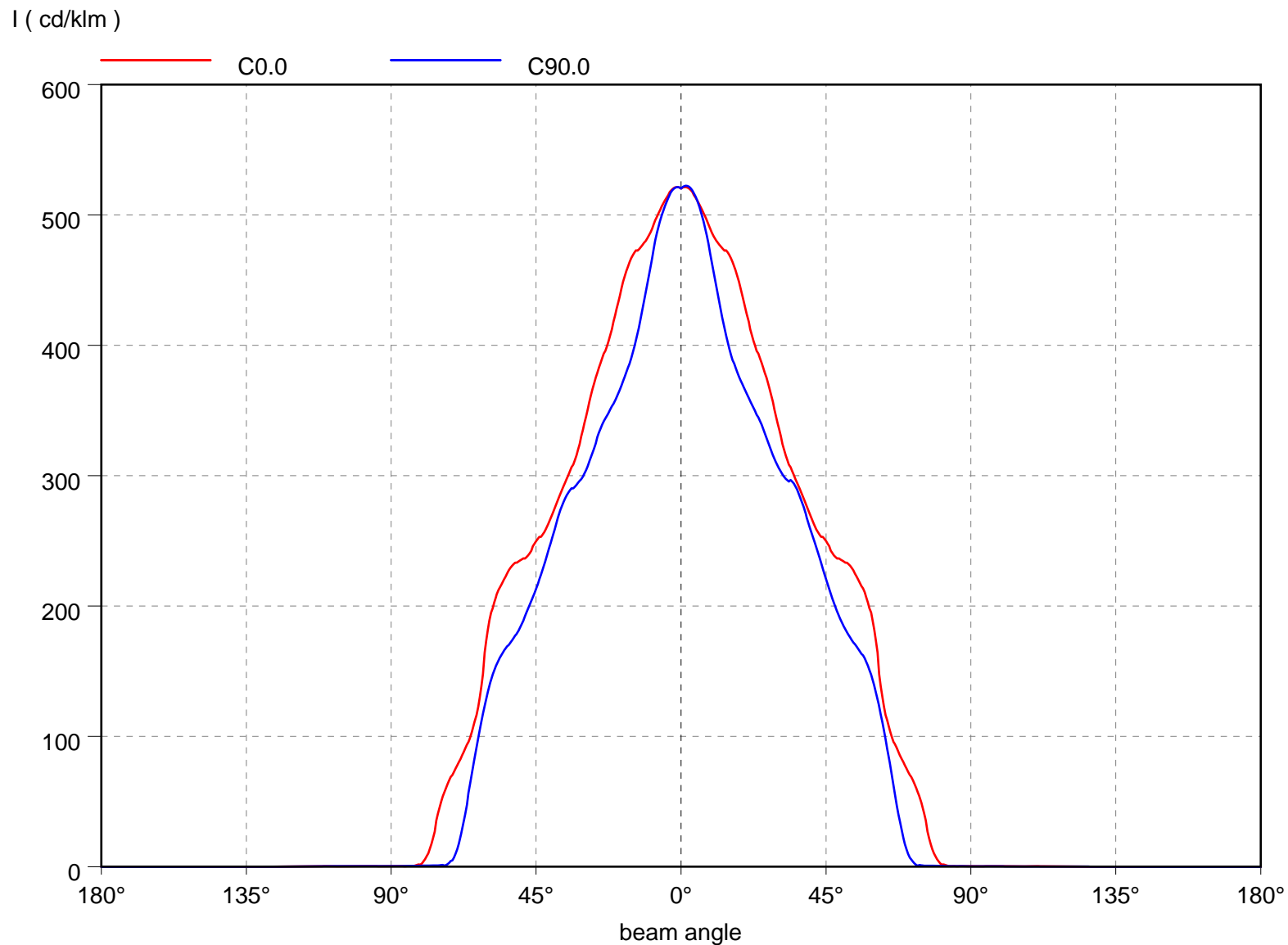
**file**  
STREETLIGHT\_



**article code**  
Alef Industrial Group

**lamp(s)**  
1 x LED  
total flux  
9961 lm  
LOR  
100 %  
tilt angle  
0.0 °

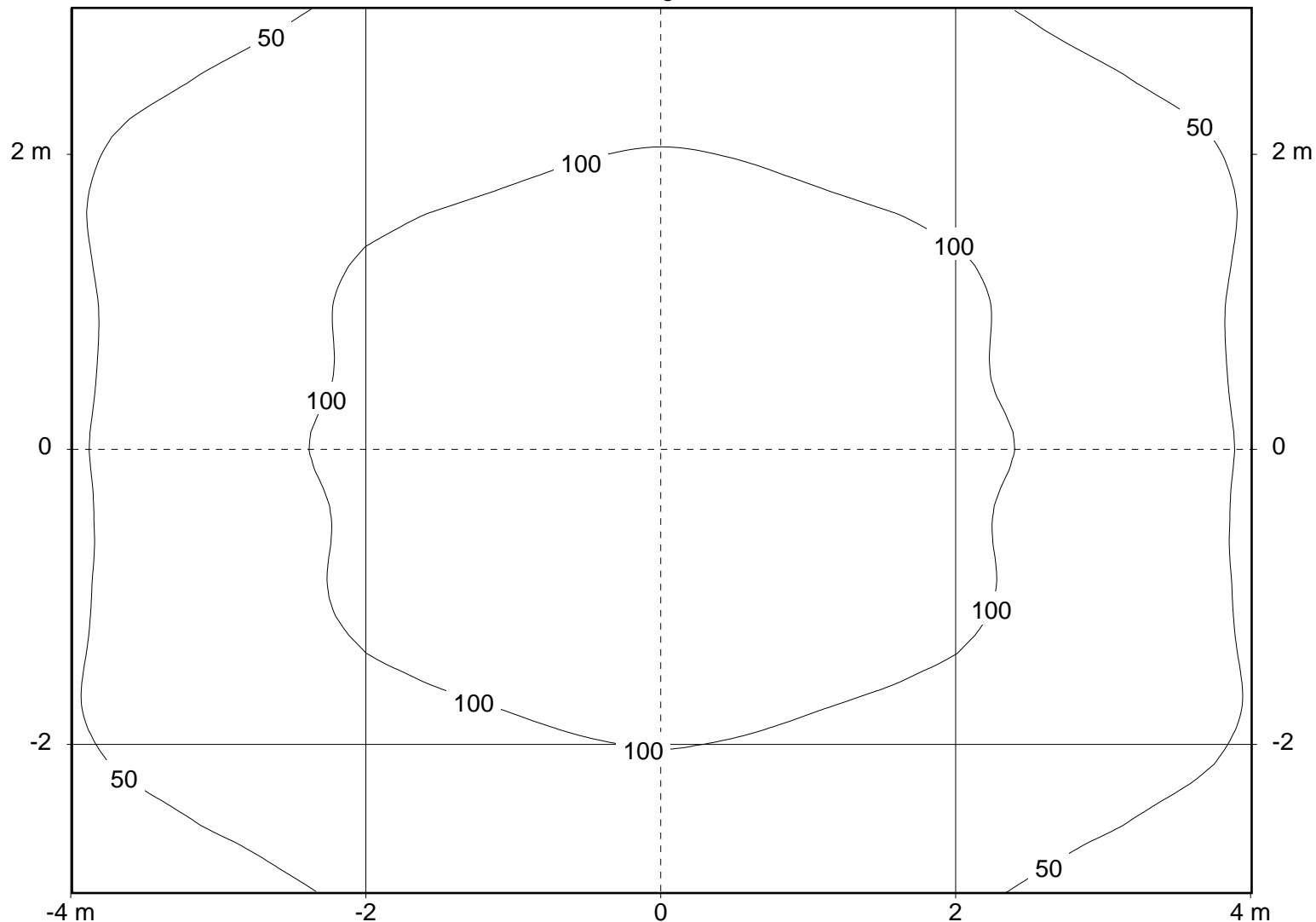
**file**  
STREETLIGHT\_



tilt angle : 0.0°  
 Schwenkwinkel : 0.0°

Lichtpunkthöhe : 5.0 m  
 Orientierung : 0.0°

Verminderungsfaktor : 0.9



**article code**

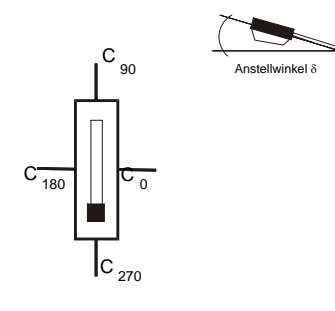
Alef Industrial Group

**lamp(s)**

1 x LED  
 total flux  
 9961 lm  
 LOR  
 100 %  
 tilt angle  
 0.0°

**file**

STREETLIGHT\_

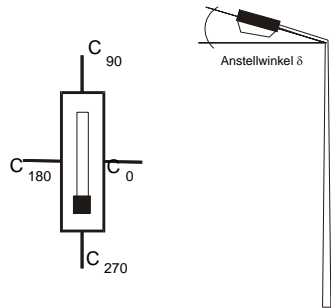


gamma / °	C 0	C 15	C 30	C 45	C 60	C 75	C 90	C 105	C 120	C 135	C 150	C 165	C 180	C 195	C 210	C 225	C 240
0.0	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2	520.2
2.5	520.2	520.4	520.9	521.4	521.4	521.3	521.5	521.3	521.4	521.4	520.9	520.4	520.2	519.9	519.3	519.0	519.2
5.0	511.1	511.8	512.4	511.7	511.2	510.7	511.1	510.7	511.2	511.7	512.4	511.8	511.1	510.1	509.7	508.7	508.3
7.5	498.6	499.1	498.7	497.1	493.5	490.7	489.6	490.7	493.5	497.1	498.7	499.1	498.6	497.8	498.0	495.8	491.4
10.0	484.2	482.9	481.5	476.9	467.1	460.3	457.5	460.3	467.1	476.9	481.5	482.9	484.2	482.2	481.6	476.0	464.8
12.5	475.3	468.9	463.2	455.0	440.0	427.2	424.9	427.2	440.0	455.0	463.2	468.9	475.3	466.0	465.2	453.6	436.6
15.0	469.1	454.8	447.1	433.5	412.7	399.5	397.0	399.5	412.7	433.5	447.1	454.8	469.1	452.9	448.9	431.7	408.7
17.5	452.9	438.5	431.0	414.6	389.5	378.4	379.1	378.4	389.5	414.6	431.0	438.5	452.9	436.5	430.6	410.4	385.8
20.0	428.0	417.6	416.0	396.0	369.2	361.8	364.9	361.8	369.2	396.0	416.0	417.6	428.0	415.7	416.5	393.0	366.1
22.5	403.3	392.6	404.1	380.5	352.9	349.8	351.9	349.8	352.9	380.5	404.1	392.6	403.3	394.0	404.7	376.1	350.5
25.0	386.5	368.6	392.2	367.4	341.4	338.2	339.1	338.2	341.4	367.4	392.2	368.6	386.5	372.2	391.5	363.3	337.8
27.5	366.4	351.2	381.1	347.7	328.9	326.3	322.2	326.3	328.9	347.7	381.1	351.2	366.4	357.5	381.7	345.2	327.0
30.0	340.2	334.6	371.5	331.6	317.3	312.6	307.5	312.6	317.3	331.6	371.5	334.6	340.2	342.9	371.6	330.8	318.0
32.5	315.5	319.5	360.5	316.8	312.6	297.3	297.6	297.3	312.6	316.8	360.5	319.5	315.5	325.4	363.3	316.0	309.9
35.0	300.5	308.7	348.8	303.7	293.8	279.8	293.9	279.8	293.8	303.7	348.8	308.7	300.5	312.9	349.7	298.9	290.1
37.5	286.0	293.0	334.9	286.7	271.2	263.8	279.9	263.8	271.2	286.7	334.9	293.0	286.0	300.3	336.7	284.1	267.0
40.0	270.3	281.2	323.0	269.3	256.6	249.2	260.0	249.2	256.6	269.3	323.0	281.2	270.3	285.3	325.2	267.5	254.8
42.5	256.6	269.5	311.0	252.7	245.3	235.4	241.1	235.4	245.3	252.7	311.0	269.5	256.6	274.1	310.5	250.8	240.0
45.0	249.8	259.5	296.2	236.8	227.3	221.3	220.7	221.3	227.3	236.8	296.2	259.5	249.8	263.1	296.8	234.6	221.5
47.5	238.8	249.8	284.0	220.8	207.8	208.6	202.1	208.6	207.8	220.8	284.0	249.8	238.8	253.5	282.4	219.0	200.1
50.0	234.9	240.9	264.4	203.1	190.5	195.3	186.9	195.3	190.5	203.1	264.4	240.9	234.9	246.2	263.0	199.6	185.1
52.5	230.8	238.7	244.5	182.4	173.0	174.1	175.8	174.1	173.0	182.4	244.5	238.7	230.8	244.1	241.2	178.5	170.0
55.0	220.3	234.3	217.8	164.4	159.4	159.9	167.1	159.9	159.4	164.4	217.8	234.3	220.3	238.4	213.7	160.7	156.9
57.5	206.8	223.2	188.2	148.2	145.3	147.8	157.2	147.8	145.3	148.2	188.2	223.2	206.8	226.8	186.4	146.2	144.9
60.0	181.7	206.4	161.1	133.4	131.7	132.6	138.8	132.6	131.7	133.4	161.1	206.4	181.7	209.9	157.2	132.0	129.4
62.5	130.1	162.1	133.4	118.4	114.7	110.6	110.7	110.6	114.7	118.4	133.4	162.1	130.1	164.8	130.1	118.7	112.2
65.0	103.1	114.0	102.7	106.6	90.8	81.0	76.7	81.0	90.8	106.6	102.7	114.0	103.1	116.1	99.8	105.4	87.6
67.5	88.0	91.4	80.5	89.0	61.3	45.1	40.2	45.1	61.3	89.0	80.5	91.4	88.0	92.4	79.4	86.8	57.5
70.0	75.3	75.5	67.7	60.3	30.6	15.3	13.3	15.3	30.6	60.3	67.7	75.5	75.3	75.6	68.1	56.3	26.8
72.5	63.5	59.8	56.5	31.0	8.1	2.1	2.4	2.1	8.1	31.0	56.5	59.8	63.5	60.8	56.2	27.8	6.2
75.0	45.5	40.3	37.2	8.6	0.9	0.4	0.9	0.4	0.9	8.6	37.2	40.3	45.5	40.8	35.9	6.9	0.8

**article code**  
Alef Industrial Group

**lamp(s)**  
1 x LED  
total flux  
9961 lm  
LOR  
100 %  
tilt angle  
0.0 °

**file**  
STREETLIGHT\_

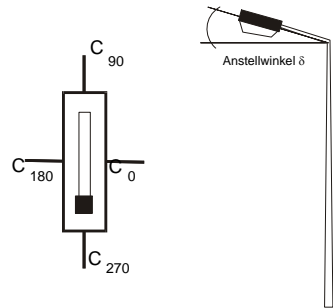


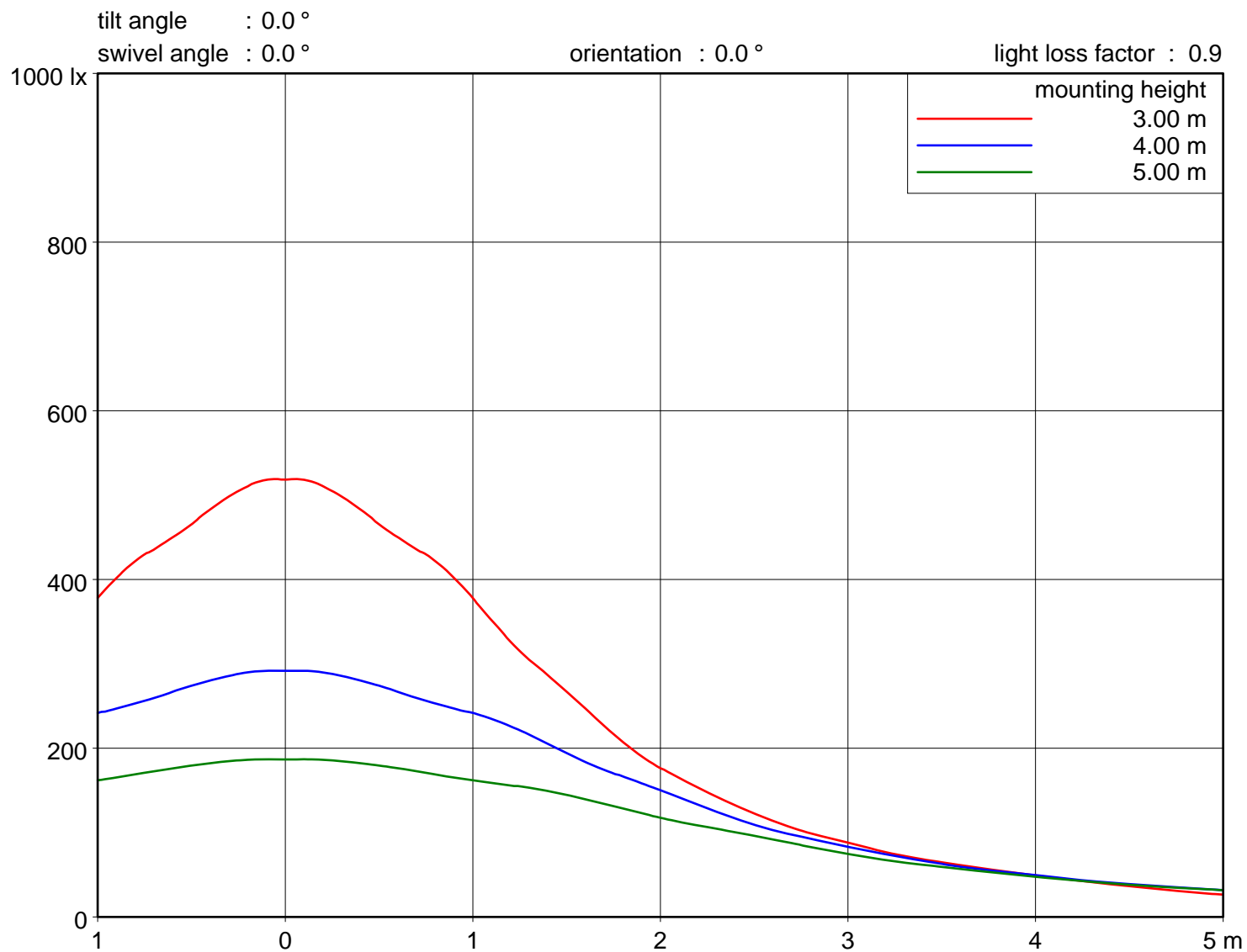
gamma / °	C 255	C 270	C 285	C 300	C 315	C 330	C 345
0.0	520.2	520.2	520.2	520.2	520.2	520.2	520.2
2.5	519.0	519.5	519.0	519.2	519.0	519.3	519.9
5.0	507.5	506.8	507.5	508.3	508.7	509.7	510.1
7.5	487.7	486.1	487.7	491.4	495.8	498.0	497.8
10.0	455.9	453.5	455.9	464.8	476.0	481.6	482.2
12.5	424.1	420.8	424.1	436.6	453.6	465.2	466.0
15.0	396.8	394.2	396.8	408.7	431.7	448.9	452.9
17.5	375.4	375.8	375.4	385.8	410.4	430.6	436.5
20.0	358.2	360.2	358.2	366.1	393.0	416.5	415.7
22.5	346.5	348.4	346.5	350.5	376.1	404.7	394.0
25.0	334.7	336.2	334.7	337.8	363.3	391.5	372.2
27.5	321.9	317.6	321.9	327.0	345.2	381.7	357.5
30.0	307.1	301.6	307.1	318.0	330.8	371.6	342.9
32.5	292.5	292.9	292.5	309.9	316.0	363.3	325.4
35.0	274.6	287.0	274.6	290.1	298.9	349.7	312.9
37.5	259.2	273.4	259.2	267.0	284.1	336.7	300.3
40.0	243.7	252.5	243.7	254.8	267.5	325.2	285.3
42.5	228.1	231.8	228.1	240.0	250.8	310.5	274.1
45.0	214.2	213.3	214.2	221.5	234.6	296.8	263.1
47.5	203.7	198.0	203.7	200.1	219.0	282.4	253.5
50.0	190.0	183.4	190.0	185.1	199.6	263.0	246.2
52.5	170.1	173.6	170.1	170.0	178.5	241.2	244.1
55.0	157.2	165.4	157.2	156.9	160.7	213.7	238.4
57.5	145.0	154.1	145.0	144.9	146.2	186.4	226.8
60.0	129.5	134.0	129.5	129.4	132.0	157.2	209.9
62.5	106.6	105.2	106.6	112.2	118.7	130.1	164.8
65.0	75.4	70.9	75.4	87.6	105.4	99.8	116.1
67.5	39.7	34.4	39.7	57.5	86.8	79.4	92.4
70.0	11.9	10.0	11.9	26.8	56.3	68.1	75.6
72.5	1.6	2.0	1.6	6.2	27.8	56.2	60.8
75.0	0.5	1.1	0.5	0.8	6.9	35.9	40.8

**article code**  
Alef Industrial Group

**lamp(s)**  
1 x LED  
total flux  
9961 lm  
LOR  
100 %  
tilt angle  
0.0 °

**file**  
STREETLIGHT\_





**article code**

Alef Industrial Group

**lamp(s)**

1 x LED  
 total flux  
 9961 lm  
 LOR  
 100 %  
 tilt angle  
 0.0°

**file**

STREETLIGHT\_

