

meas. no. 02L1836
meas. date 10/31/2023
operator LightLab.

meas. conditions
ambient temperature 25.0 °C
voltage 230.00 V
current 1.560 A
power consumption 312.1 W
Leistungsfaktor 0.869

meas. lamps lum. flux [lm]
absolute measurement 17386.3 lm
luminous efficacy 56 lm/w

dimensions of luminaire
length 410 mm
width 360 mm
height 100 mm

dimensions of luminous area
length 210 mm
width 300 mm
height C0 70 mm
height C90 70 mm
height C180 70 mm
height C270 70 mm

reflector

cover

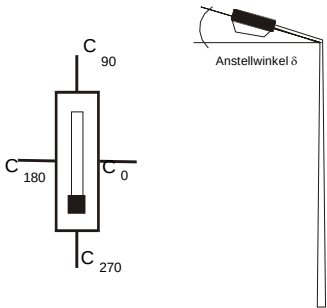
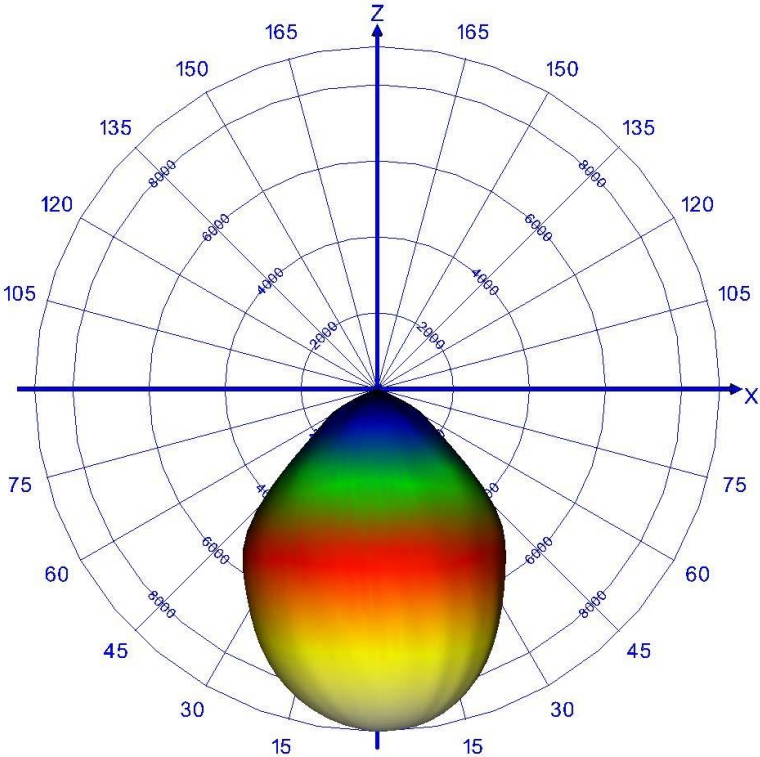
variant

measurement results
flux of luminaire 17386.3 lm
classification / DIN A50
lower flux fraction 100.00 %
upper flux fraction 0.00 %
intensity maximum 9002.1 cd
in C-plane 55.0 °
at gamma 5.0 °
half value angle C0 : 45.9 °
C90 : 44.6 °
C180 : 45.6 °
C270 : 45.1 °
tenth value angle C0 : 68.7 °
C90 : 66.5 °
C180 : 68.5 °
C270 : 66.8 °

article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux 17386 lm
LOR
100 %
tilt angle 0.0 °

remarks



luminaire : FloodLight_LED_300W_6500K

file : FLOODLIGHT_LED_300W_6500K

intensity distribution / polar

article code

Azar Teyf Co.

lamp(s)

1 x LED

total flux

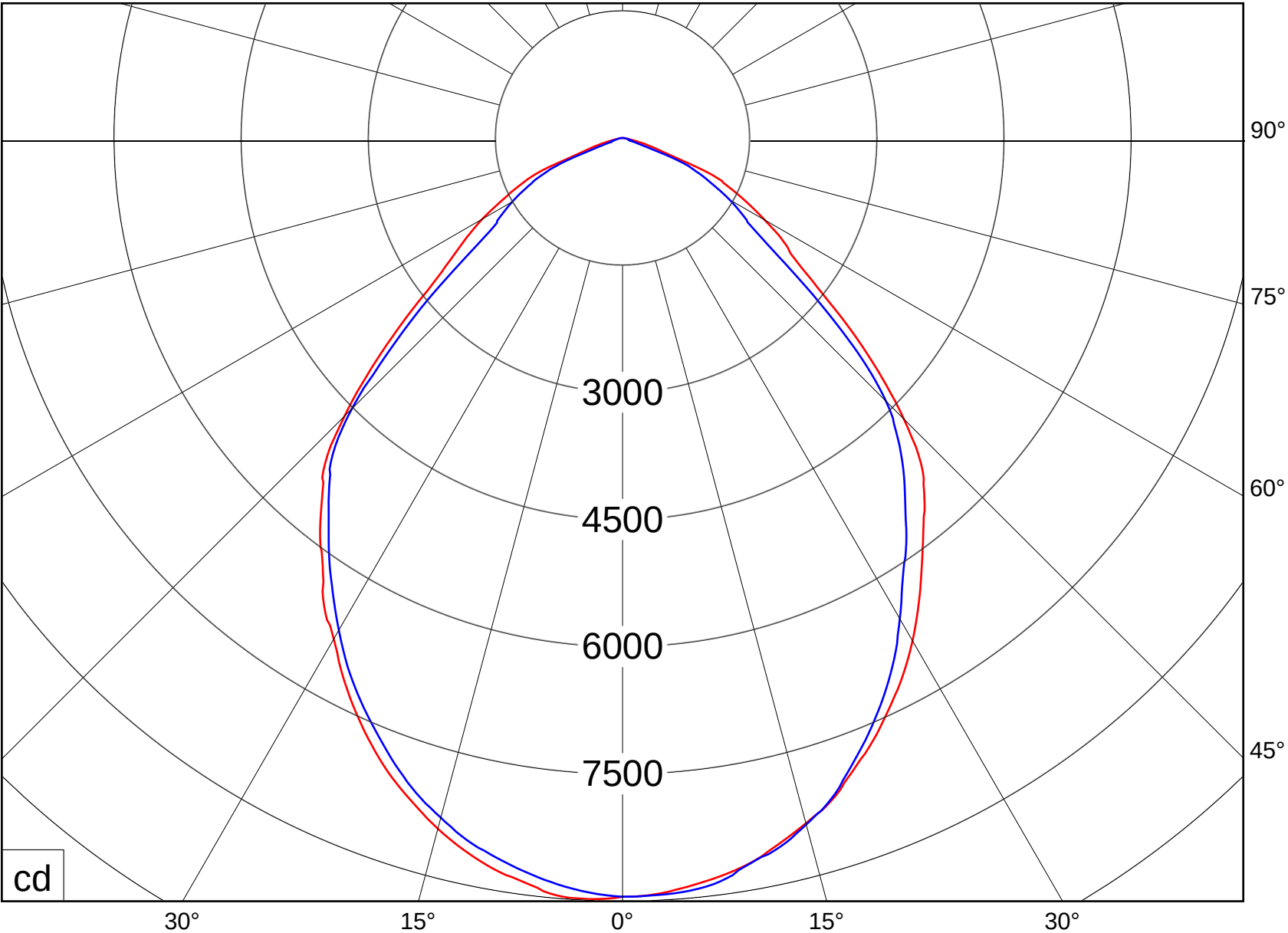
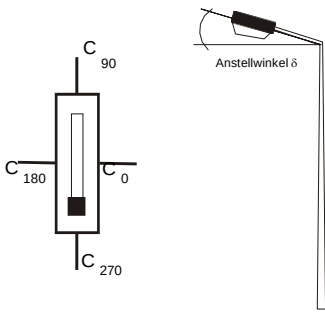
17386 lm

LOR

100 %

tilt angle

0.0 °



cd

C0.0-C180.0

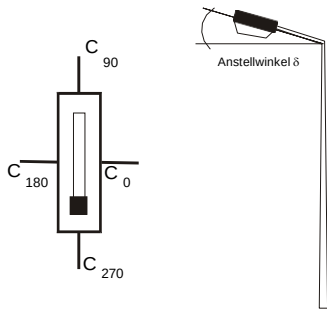
C90.0-C270.0

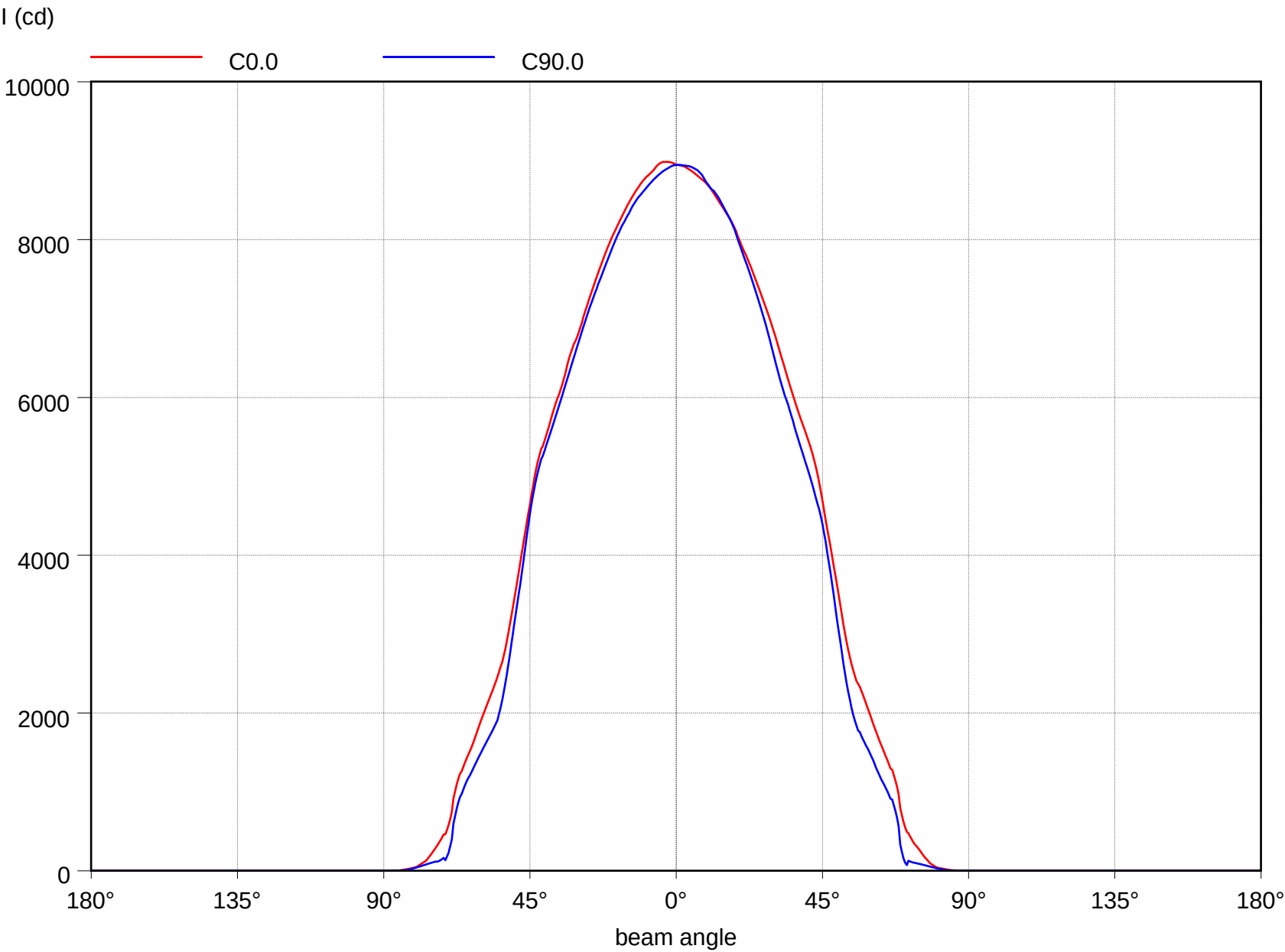
distance [m]	cone diameter [m]	E [lx]	
1.0	2.06	E(0°) 8949 E(C0) 45.9° 3128	
2.0	4.13	E(0°) 2237 E(C0) 45.9° 782	
3.0	6.19	E(0°) 994 E(C0) 45.9° 348	
4.0	8.26	E(0°) 559 E(C0) 45.9° 195	
5.0	10.32	E(0°) 358 E(C0) 45.9° 125	

half value angle 91.8°

article code
Azar Teyf Co.

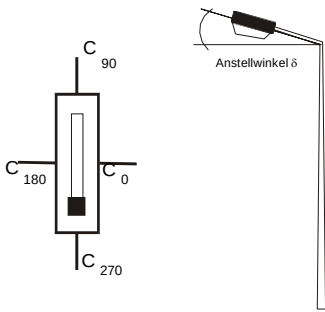
lamp(s)
1 x LED
total flux
17386 lm
LOR
100 %
tilt angle
0.0 °



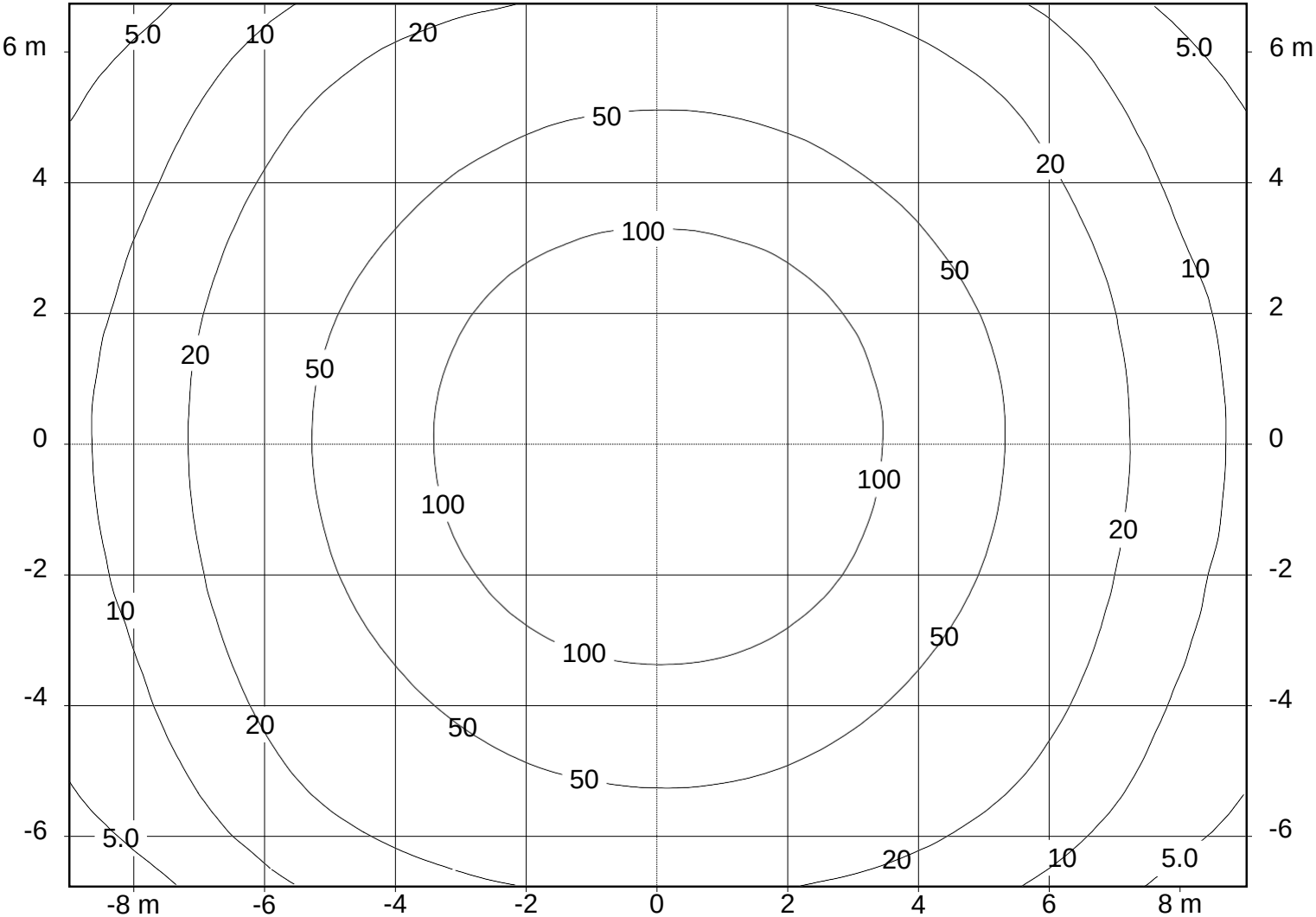


article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
17386 lm
LOR
100 %
tilt angle
0.0 °

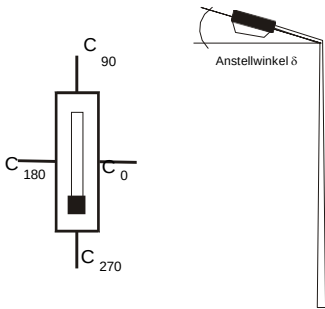


tilt angle : 0.0 °
swivel angle : 0.0 °
mounting height : 6.00 m
orientation : 0.0 °
light loss factor : 0.8



article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
17386 lm
LOR
100 %
tilt angle
0.0 °

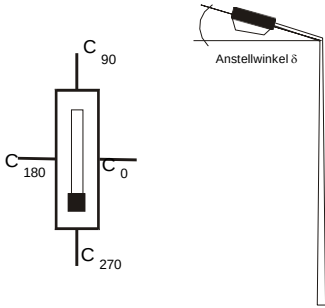


file : FLOODLIGHT_LED_300W_6500K

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	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7	514.7
2.5	513.5	513.5	512.8	513.8	515.1	514.6	514.1	515.7	516.9	515.3	513.9	515.6	516.7	514.8	511.8	511.1	513.6	514.3
5.0	509.7	510.0	510.9	510.4	511.5	512.1	512.7	514.8	515.1	516.2	517.3	514.4	515.6	510.8	511.9	510.1	507.8	507.8
7.5	505.2	505.1	506.2	506.3	506.9	507.8	508.6	510.5	511.6	513.5	512.0	512.0	509.4	507.5	505.8	503.6	502.9	501.8
10.0	499.3	499.4	498.8	499.6	501.2	500.1	499.6	504.3	505.9	507.6	508.1	506.2	503.5	501.4	498.7	497.8	495.0	496.2
12.5	490.5	491.7	492.4	492.5	493.5	493.6	492.6	494.4	498.3	500.0	499.7	497.9	495.1	492.6	491.2	489.8	486.4	485.8
15.0	481.1	482.4	483.3	483.4	483.3	482.7	482.0	485.5	489.6	490.4	492.2	488.6	484.9	483.1	482.2	479.4	477.8	475.4
17.5	471.3	472.0	472.6	473.4	470.4	469.7	470.3	473.3	477.7	480.6	479.7	477.0	472.9	471.7	470.0	470.4	465.6	463.1
20.0	456.8	458.6	461.8	461.1	458.9	453.5	453.5	458.1	463.9	468.4	468.5	464.2	460.3	457.1	458.0	457.8	453.5	449.6
22.5	443.1	445.2	448.5	449.1	445.3	438.3	436.7	442.0	449.5	454.2	453.8	449.6	445.3	441.8	444.7	445.0	440.5	436.4
25.0	427.5	431.8	434.3	433.1	427.5	421.1	418.6	423.3	430.8	436.9	436.7	432.8	429.0	426.1	427.5	429.8	425.1	420.4
27.5	411.5	415.0	417.8	416.9	409.6	401.3	398.9	403.5	412.6	419.4	418.2	416.8	411.2	409.7	410.6	412.4	407.7	403.2
30.0	393.6	397.3	401.3	397.6	391.7	379.2	376.3	383.6	389.4	397.9	400.4	397.1	392.1	392.9	392.4	392.4	390.0	383.9
32.5	374.0	378.4	381.8	376.9	370.0	356.9	354.0	362.4	368.6	374.4	378.8	377.2	376.8	375.5	374.0	373.5	371.6	367.1
35.0	354.0	359.5	361.0	355.2	349.7	336.4	335.5	342.4	345.5	350.8	356.5	357.4	354.8	353.3	355.9	354.7	352.4	348.4
37.5	335.3	341.0	338.5	332.7	324.6	316.9	315.1	319.4	324.0	328.4	334.8	337.7	337.1	333.8	335.7	334.2	331.9	330.0
40.0	318.6	321.1	317.0	310.2	304.9	298.4	296.7	300.4	302.0	305.5	313.6	316.2	317.1	314.3	312.6	313.4	311.2	310.5
42.5	299.6	299.5	293.5	288.1	282.3	279.9	276.4	279.7	280.2	283.4	292.1	297.4	298.6	294.4	292.1	293.2	291.9	290.9
45.0	270.2	277.6	271.5	266.8	263.0	258.0	253.1	259.7	260.2	262.3	269.8	273.1	266.9	267.3	271.5	271.2	272.5	265.1
47.5	236.4	243.8	247.1	245.5	241.4	228.1	217.5	223.4	238.2	241.8	246.4	240.1	231.2	232.6	249.2	251.1	250.7	226.1
50.0	201.4	207.7	213.9	224.2	214.2	189.6	175.4	184.2	208.6	221.1	210.9	203.8	195.1	197.9	215.6	228.9	210.1	183.5
52.5	166.9	174.3	179.2	198.9	175.9	150.4	136.8	146.4	170.9	192.6	176.5	167.9	162.2	166.2	178.9	200.0	168.6	143.3
55.0	142.0	145.5	146.3	160.7	138.0	112.9	109.5	114.4	133.8	154.6	141.9	137.5	141.0	139.4	146.0	154.7	127.4	112.3
57.5	128.3	125.5	117.3	119.4	103.6	95.9	95.9	95.0	100.6	114.0	114.9	121.8	125.2	124.6	118.5	111.5	95.0	95.1
60.0	111.5	110.0	101.2	84.0	82.8	84.9	84.0	83.4	80.4	80.3	97.4	105.2	109.7	108.2	102.7	76.0	79.8	84.4
62.5	95.6	92.8	87.1	57.2	68.6	72.3	70.0	71.2	68.1	52.1	81.9	89.2	92.9	92.2	85.2	51.5	67.8	73.1
65.0	80.6	77.6	68.3	42.7	53.1	59.4	57.9	58.8	53.2	41.1	62.7	73.3	78.5	77.2	64.2	40.2	53.3	61.1
67.5	65.9	63.7	48.2	34.0	37.9	47.1	43.9	47.3	38.2	32.8	42.9	59.5	62.9	62.5	41.3	32.4	38.8	44.4
70.0	35.5	38.5	30.3	25.3	26.1	18.2	9.1	15.4	24.0	25.1	27.2	32.8	33.3	35.5	25.2	24.9	23.9	18.0
72.5	22.9	21.8	13.3	18.0	9.7	7.0	6.4	6.8	10.1	17.4	12.7	21.0	22.2	21.5	14.5	16.2	8.3	6.7

article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
17386 lm
LOR
100 %
tilt angle
0.0 °



file : FLOODLIGHT_LED_300W_6500K

gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	514.7	514.7	514.7	514.7	514.7	514.7
2.5	512.4	510.2	510.8	513.8	514.3	512.9
5.0	508.1	506.7	508.0	507.3	508.1	509.7
7.5	502.3	501.6	502.0	502.5	503.0	504.9
10.0	495.4	494.9	495.7	496.0	496.7	498.0
12.5	487.9	487.0	487.7	488.4	488.4	489.0
15.0	477.2	477.8	477.8	478.7	480.4	479.8
17.5	465.8	465.3	468.7	468.7	468.8	468.4
20.0	451.8	452.3	453.7	458.2	458.2	455.6
22.5	436.4	437.3	440.3	445.1	444.6	442.4
25.0	420.9	421.4	426.1	429.5	430.9	426.9
27.5	404.1	404.4	410.5	412.5	413.7	411.4
30.0	385.2	387.5	393.6	395.6	394.5	393.7
32.5	366.0	370.4	374.0	376.5	376.4	376.6
35.0	347.1	351.6	354.3	357.7	356.3	355.3
37.5	327.6	333.6	335.0	336.5	334.7	335.3
40.0	309.8	316.5	316.3	314.9	313.8	317.3
42.5	291.1	295.3	296.7	293.0	294.4	297.2
45.0	259.8	265.1	275.9	272.4	274.5	271.6
47.5	216.5	226.4	251.0	251.9	251.5	237.3
50.0	176.5	184.6	211.9	229.4	221.3	201.9
52.5	137.1	142.7	171.2	201.6	185.4	166.4
55.0	109.6	113.8	131.4	160.1	150.5	140.5
57.5	97.5	96.2	97.2	118.5	121.7	125.7
60.0	86.3	86.3	79.2	81.1	105.7	111.7
62.5	74.1	74.8	67.4	53.8	89.2	95.3
65.0	62.0	62.8	54.0	41.1	67.0	78.9
67.5	45.3	46.0	39.5	33.9	44.8	64.4
70.0	13.1	20.5	25.1	26.8	28.3	39.2
72.5	7.7	7.3	10.5	19.0	16.0	22.4

article code

Azar Teyf Co.

lamp(s)

1 x LED

total flux

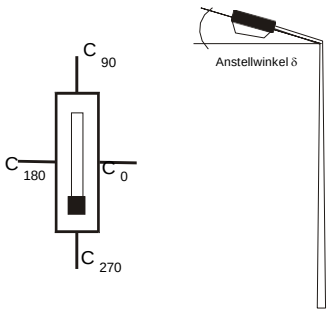
17386 lm

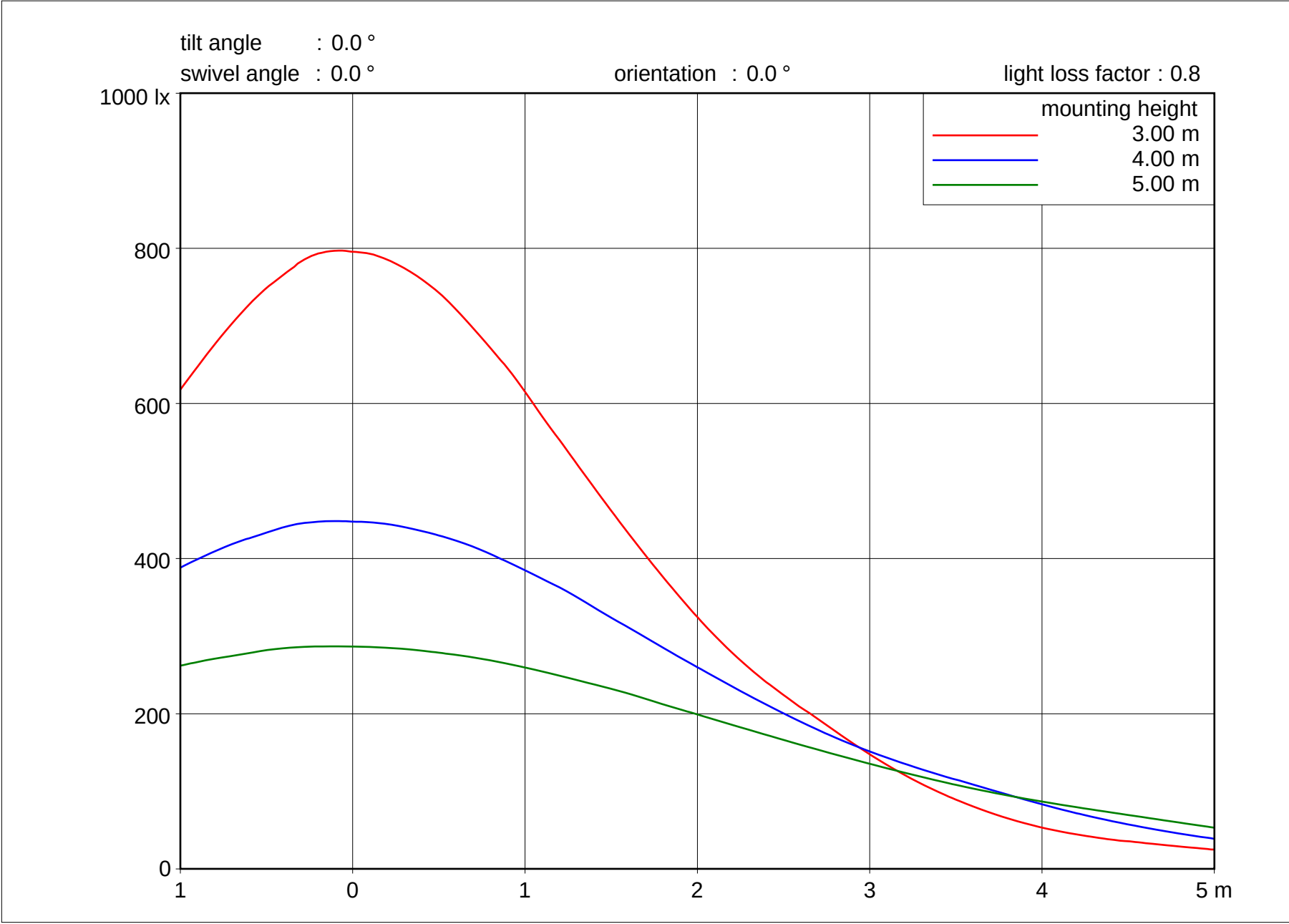
LOR

100 %

tilt angle

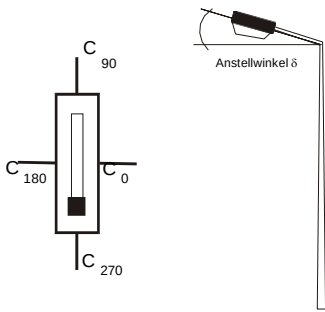
0.0 °





article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
17386 lm
LOR
100 %
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

article code

Azar Teyf Co.

lamp(s)

1 x LED

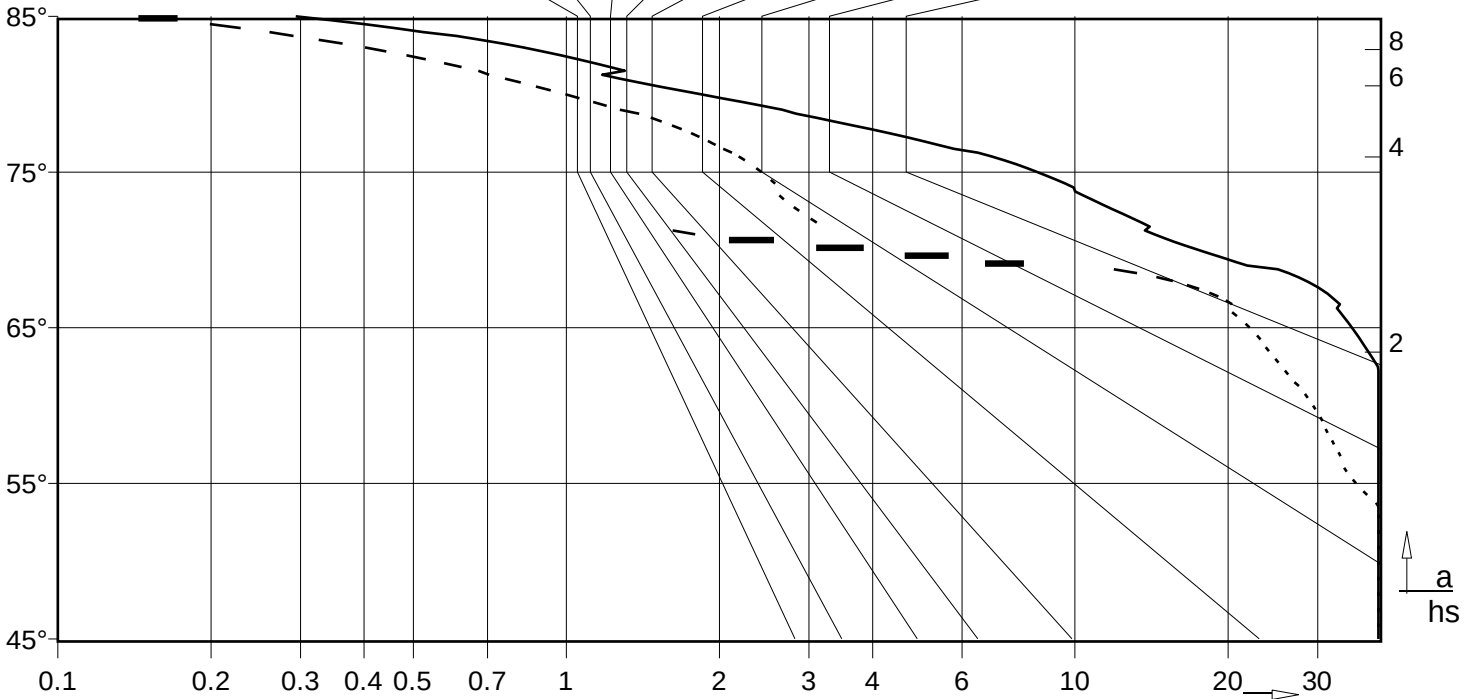
total flux
17386 lm

LOR

100 %

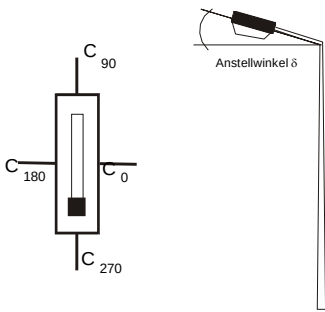
tilt angle

0.0 °



luminance curve
—— C0-C180
..... C90-C270

lamp(s)
1 x LED
17386 lm



—— limit curve type B