

meas. no. 00L1473
meas. date 11/29/2021
operator LightLab.

meas. conditions
 ambient temperature 25.0 °C
 voltage 230.00 V
 current 0.283 A
 power consumption 63.8 W
 Leistungsfaktor 0.980

meas. lamps lum. flux [lm]
 absolute measurement 5466.9 lm
 luminous efficacy 86 lm/w

measurement results
 flux of luminaire 5466.9 lm
 classification / DIN C11
 lower flux fraction 49.96 %
 upper flux fraction 50.04 %
 intensity maximum 1029.5 cd
 in C-plane 272.5 °
 at gamma 93.0 °
 half value angle C0 : 53.1 °
 C90 : 55.7 °
 C180 : 53.8 °
 C270 : 55.2 °
 tenth value angle C0 : 79.5 °
 C90 : 80.0 °
 C180 : 79.9 °
 C270 : 80.0 °

article code
 Ecowat Co.

lamp(s)
 1 x LED
 total flux 5467 lm
 LOR
 100 %
 tilt angle 0.0 °

dimensions of luminaire
 length 1150 mm
 width 60 mm
 height 90 mm

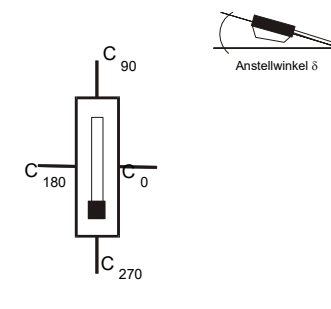
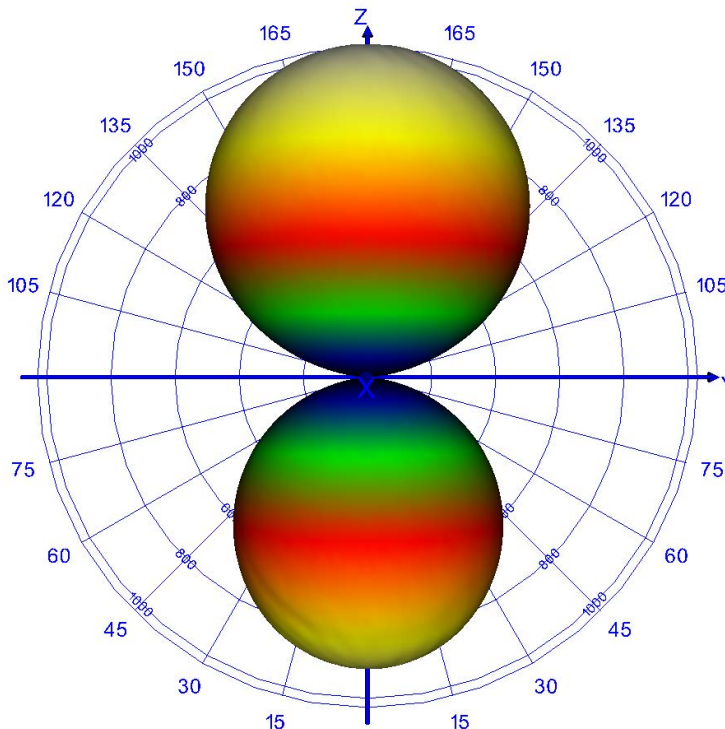
dimensions of luminous area
 length 1150 mm
 width 55 mm
 height C0 20 mm
 height C90 20 mm
 height C180 20 mm
 height C270 20 mm

reflector

cover

variant

remarks



article code

Ecowat Co.

lamp(s)

1 x LED

total flux

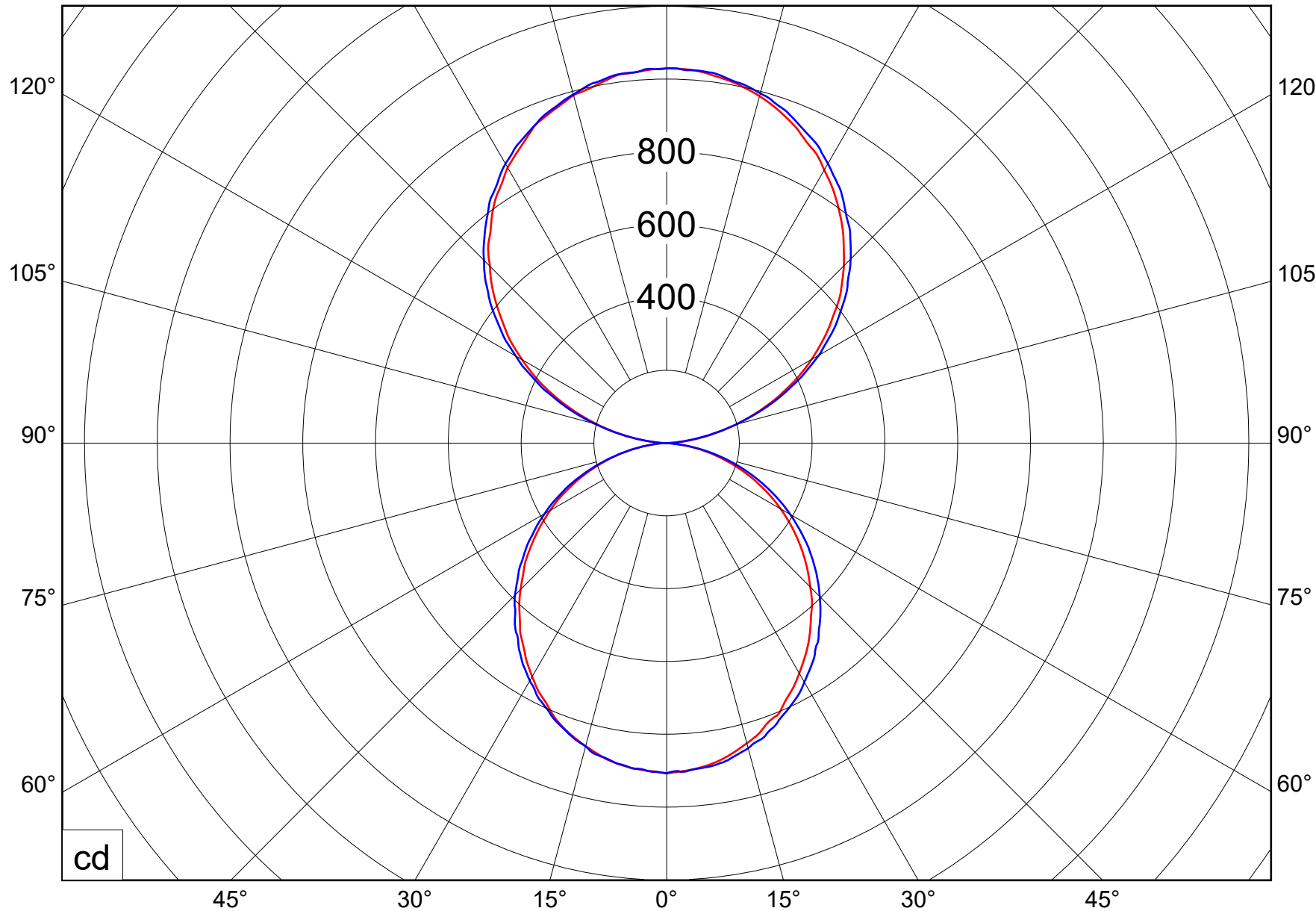
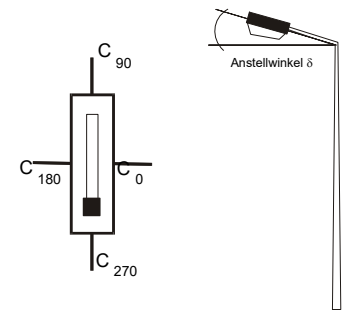
5467 lm

LOR

100 %

tilt angle

0.0 °

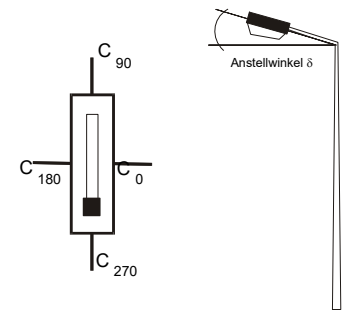


— C0.0-C180.0 — C90.0-C270.0

distance [m]	cone diameter [m]	E [lx]
2.0	5.33	E(0°) 227 E(C0) 53.1° 68
4.0	10.66	E(0°) 57 E(C0) 53.1° 17
6.0	15.98	E(0°) 25 E(C0) 53.1° 8
8.0	21.31	E(0°) 14 E(C0) 53.1° 4
10.0	26.64	E(0°) 9 E(C0) 53.1° 3

article code
Ecowat Co.

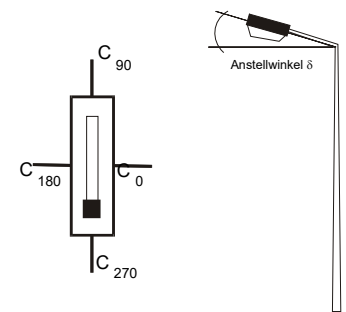
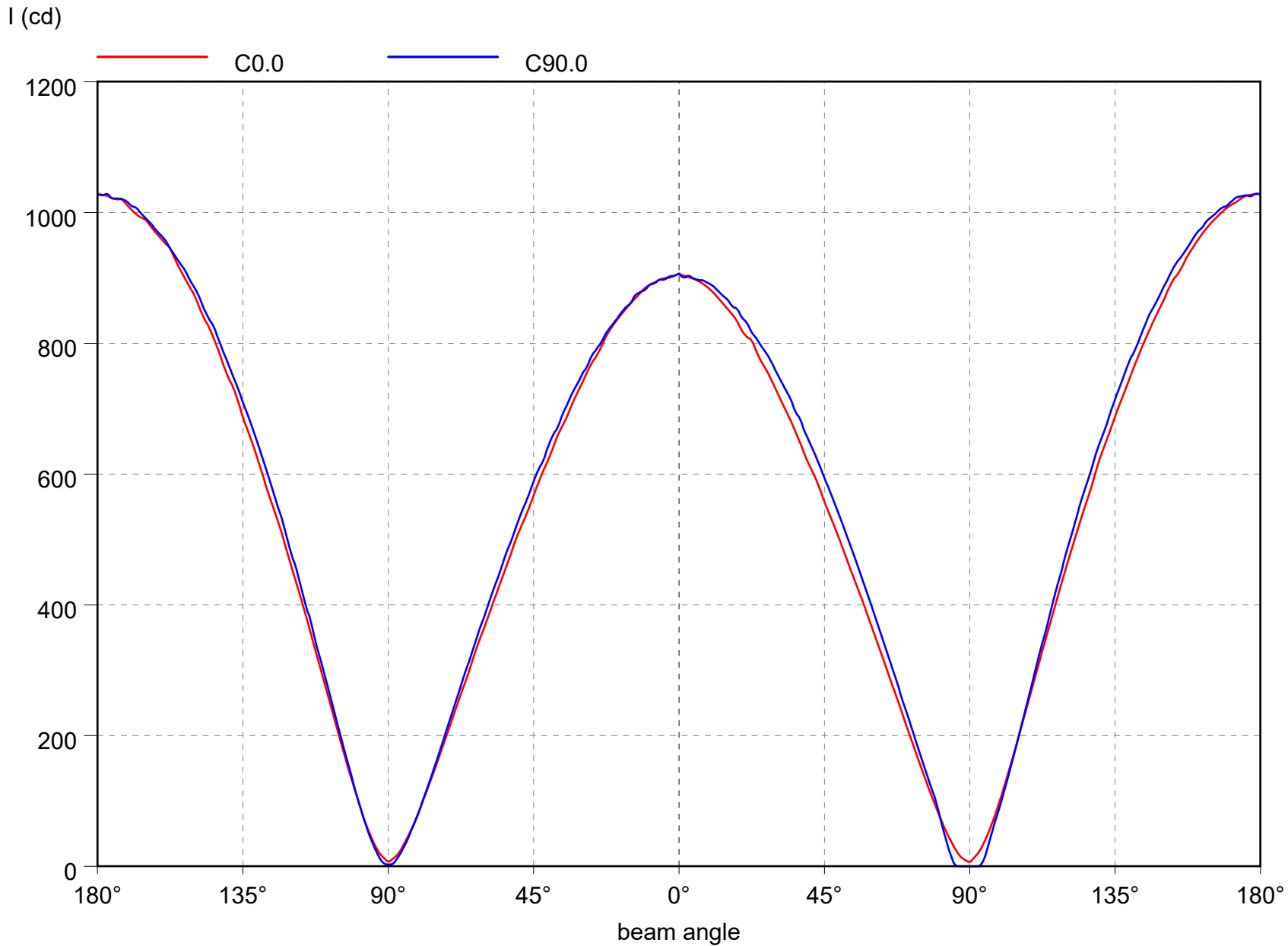
lamp(s)
1 x LED
total flux
5467 lm
LOR
100 %
tilt angle
0.0 °



half value angle 106.2°

article code
Ecowat Co.

lamp(s)
1 x LED
total flux
5467 lm
LOR
100 %
tilt angle
0.0 °



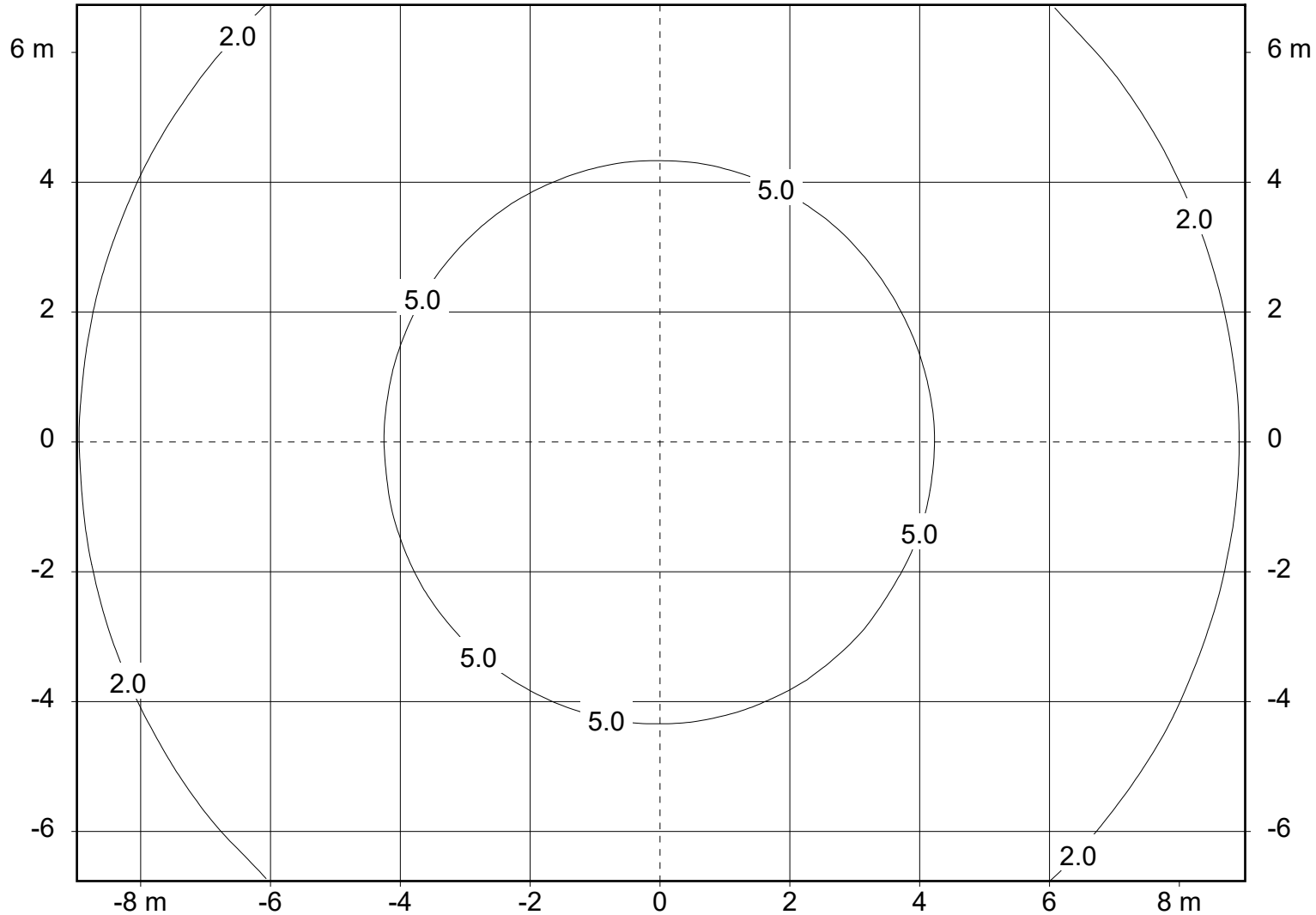
tilt angle : 0.0°

mounting height : 10.00 m

light loss factor : 0.8

swivel angle : 0.0°

orientation : 0.0°

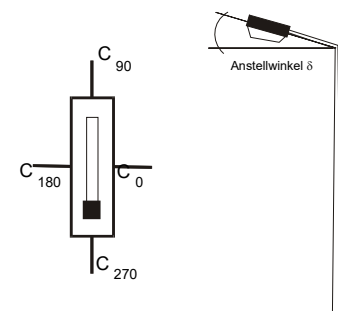


article code

Ecowat Co.

lamp(s)

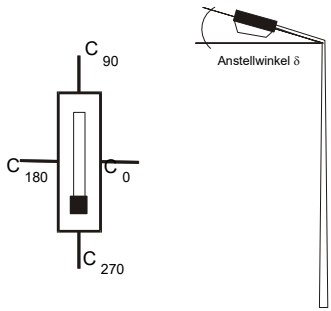
1 x LED
 total flux
 5467 lm
 LOR
 100 %
 tilt angle
 0.0°



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	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8
1.5	165.3	165.2	165.2	165.1	165.0	164.9	164.8	164.9	165.0	165.1	165.1	165.1	165.2	165.2	165.2	165.2	165.2	165.2
3.0	164.8	164.9	165.2	165.1	165.0	165.1	165.2	165.0	164.9	165.0	165.2	164.9	164.7	164.9	165.0	165.0	165.0	165.0
4.5	164.4	164.3	164.5	164.6	164.5	164.4	164.5	164.7	164.8	164.5	164.6	164.7	164.6	164.7	164.7	164.6	164.5	164.3
6.0	163.7	163.5	164.1	164.0	164.1	164.2	164.0	164.1	164.3	164.3	164.1	164.2	164.1	164.2	164.1	163.9	163.9	164.1
7.5	162.9	162.8	162.8	163.3	163.5	163.5	163.9	163.6	163.6	163.7	163.4	163.4	163.4	163.3	163.3	163.1	163.3	163.7
9.0	161.9	161.7	161.8	162.2	162.4	162.5	163.2	162.5	162.8	163.0	162.4	162.6	162.8	162.4	162.7	162.4	162.5	162.8
10.5	160.7	160.6	160.9	161.4	161.2	161.8	162.4	161.9	162.2	161.6	161.8	161.8	161.8	161.5	161.6	161.5	161.4	161.5
12.0	159.2	159.3	159.6	160.1	160.5	160.7	161.1	160.7	160.9	160.6	160.4	160.7	160.4	160.4	160.8	160.5	160.6	160.7
13.5	157.6	158.0	158.0	158.8	158.9	159.4	159.7	159.6	159.6	159.5	159.3	159.3	158.9	159.2	159.0	159.3	159.5	159.1
15.0	155.9	156.4	156.6	156.9	157.5	158.2	158.5	158.3	158.6	158.3	157.9	157.9	157.5	157.7	157.4	157.7	158.1	157.9
16.5	154.4	154.6	155.1	155.3	156.0	156.9	156.7	156.8	156.9	156.8	156.5	156.3	155.9	156.1	156.3	156.3	156.5	156.5
18.0	152.5	152.7	153.3	153.6	154.4	155.3	155.9	155.4	155.3	155.1	154.6	154.3	154.3	154.2	154.6	154.7	154.7	155.0
19.5	149.8	150.4	151.0	152.1	152.8	153.5	153.6	153.8	153.4	153.1	153.1	152.5	152.6	152.3	152.4	152.9	152.9	153.2
21.0	148.2	148.3	148.8	150.4	150.8	151.6	152.0	151.8	151.7	151.3	151.1	150.7	150.6	150.4	150.5	151.0	151.0	151.3
22.5	147.1	146.7	146.5	147.7	148.9	149.6	149.4	149.8	149.9	149.3	149.0	148.5	148.4	148.4	148.6	148.7	149.0	149.2
24.0	144.0	144.5	144.7	145.1	146.2	147.2	147.6	147.8	147.7	147.4	146.5	146.1	145.5	146.1	146.2	146.5	146.9	147.1
25.5	141.2	141.7	142.9	142.9	144.2	144.8	145.5	145.9	145.5	144.9	144.1	143.5	142.9	143.4	143.6	144.3	144.5	144.8
27.0	138.9	139.1	140.2	140.6	142.1	142.8	143.6	143.7	143.1	142.5	141.5	140.9	140.8	140.6	141.1	142.0	142.4	142.6
28.5	136.2	136.5	137.6	138.0	139.9	140.5	141.3	141.1	140.3	140.0	138.8	138.6	138.1	137.9	138.7	139.3	140.0	140.2
30.0	133.3	133.7	134.5	135.9	136.9	138.1	138.5	138.5	138.1	137.5	136.3	135.6	135.1	135.1	135.8	136.6	137.1	137.9
31.5	130.5	130.8	131.7	133.2	134.1	135.6	135.9	135.8	135.8	134.5	133.6	132.7	132.5	132.4	132.7	133.9	134.7	135.1
33.0	127.7	127.8	129.1	130.5	131.1	132.9	133.4	132.8	133.2	131.2	130.4	130.0	129.6	129.5	130.3	131.5	131.7	132.5
34.5	124.8	125.0	126.1	127.4	128.5	130.1	130.8	130.4	129.8	128.4	127.6	126.9	126.2	126.6	127.3	128.4	129.1	129.7
36.0	121.7	122.1	122.7	124.2	125.8	127.5	127.3	127.6	126.7	125.9	124.9	123.5	123.3	123.7	124.1	124.8	126.4	126.7
37.5	118.4	119.0	119.8	121.2	122.8	124.1	125.0	124.5	123.8	122.8	121.6	120.9	120.7	120.6	121.2	121.7	123.3	123.5
39.0	115.1	115.8	117.1	118.7	120.1	120.7	121.5	121.7	121.0	119.3	118.2	117.8	117.1	117.2	118.3	119.4	119.6	120.3
40.5	111.9	112.3	113.7	115.2	116.8	117.9	118.5	118.4	117.8	116.3	115.2	114.3	113.7	114.1	114.7	115.7	116.8	117.3
42.0	109.2	109.2	110.4	111.3	113.7	114.4	115.4	115.2	114.2	113.3	112.0	111.0	110.7	110.7	111.2	111.8	113.7	114.0
43.5	105.8	106.5	107.0	108.5	110.4	111.6	112.2	111.8	110.8	109.8	108.4	107.6	107.3	107.2	108.2	109.1	110.6	110.9
45.0	102.0	102.8	103.7	105.7	106.7	108.4	108.7	108.6	107.7	106.2	105.0	104.1	103.8	104.1	104.8	106.1	106.8	107.9
46.5	98.7	99.2	100.5	101.6	103.1	105.1	105.4	104.8	104.8	103.2	101.9	100.7	100.2	100.7	101.1	102.2	103.2	104.7
48.0	95.3	95.8	97.0	98.1	100.1	101.4	102.0	101.6	100.7	99.7	98.1	97.3	96.8	97.0	97.8	98.6	100.1	100.8
49.5	91.8	92.3	93.3	94.9	96.6	97.7	98.5	98.4	97.0	95.6	94.5	93.9	93.8	93.6	94.3	95.5	96.7	97.0
51.0	88.2	88.7	89.7	91.3	92.7	93.9	94.7	95.0	94.0	92.3	91.3	90.5	90.2	90.3	90.3	91.6	92.7	93.5
52.5	84.5	84.9	86.2	87.8	89.1	90.3	91.1	90.9	90.2	89.1	87.8	86.8	86.2	86.5	87.0	87.7	88.9	90.0
54.0	80.9	81.3	82.8	84.1	85.8	87.1	87.6	87.1	86.0	84.9	84.0	83.0	82.6	82.8	83.9	84.5	85.5	86.6
55.5	77.3	77.9	78.7	80.4	81.9	83.2	83.5	83.5	82.4	81.1	80.4	79.2	78.9	79.2	79.8	80.7	81.6	82.7
57.0	73.8	74.3	74.9	76.4	77.7	79.1	79.5	79.7	78.9	77.9	76.6	75.5	75.1	75.3	75.9	76.4	77.6	78.5
58.5	70.0	70.5	71.6	72.7	74.2	75.2	75.9	75.9	74.6	73.9	72.3	71.9	71.3	71.4	72.5	73.2	74.0	74.6

article code
Ecowat Co.

lamp(s)
1 x LED
total flux
5467 lm
LOR
100 %
tilt angle
0.0 °



luminaire : LineLight_DualSide_LED_LN60DU4X2-W-NW_65W_4000K

file : LINELIGHT_DUALSIDE_LED_LN60DU4X2-W-NW_65W_4000K_1

article code

Ecowat Co.

lamp(s)

1 x LED

total flux

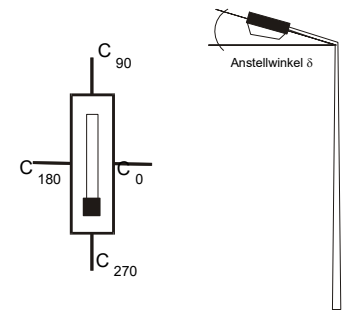
5467 lm

LOR

100 %

tilt angle

0.0 °



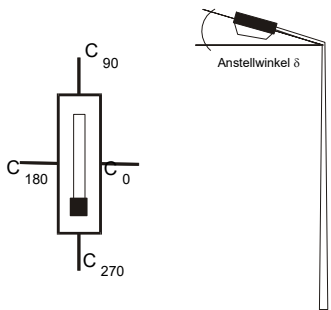
gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	165.8	165.8	165.8	165.8	165.8	165.8
1.5	165.3	165.2	165.2	165.3	165.3	165.3
3.0	165.0	164.9	164.9	164.9	165.0	164.9
4.5	164.2	164.1	164.3	164.3	164.3	164.3
6.0	164.1	164.0	163.8	163.9	163.5	163.6
7.5	163.2	163.5	163.1	163.1	163.2	162.9
9.0	162.7	162.4	162.1	162.0	162.1	161.9
10.5	161.4	161.4	161.3	161.3	160.8	160.4
12.0	160.7	160.4	160.1	159.7	159.5	159.2
13.5	159.8	158.9	158.7	158.1	158.0	157.8
15.0	157.6	157.6	157.3	156.8	156.4	156.1
16.5	156.4	156.2	155.7	155.3	154.7	154.3
18.0	154.7	154.6	153.8	153.4	152.5	152.2
19.5	152.9	152.5	151.9	151.4	150.8	150.2
21.0	151.1	150.6	150.2	149.4	148.7	148.1
22.5	149.2	148.8	148.4	147.6	146.3	146.8
24.0	146.8	146.7	146.6	145.6	144.4	144.7
25.5	144.8	144.6	143.9	142.4	143.0	141.6
27.0	142.8	142.2	141.4	139.5	139.9	139.0
28.5	139.8	139.7	138.9	137.7	136.9	136.6
30.0	137.6	137.5	136.2	136.2	134.5	133.5
31.5	134.9	134.4	134.0	133.1	131.8	130.5
33.0	132.6	131.6	131.1	129.7	128.6	127.7
34.5	129.5	128.6	127.7	127.0	125.7	124.8
36.0	126.5	125.8	124.2	124.3	122.9	121.9
37.5	122.9	123.1	122.0	121.1	119.6	118.7
39.0	120.7	120.4	119.7	117.5	116.3	115.4
40.5	117.5	117.4	116.6	114.4	113.4	111.9
42.0	113.6	114.1	112.7	111.8	110.2	109.1
43.5	111.0	110.4	109.3	108.0	106.3	106.4
45.0	107.7	107.0	106.2	104.3	103.2	102.5
46.5	104.0	103.6	102.8	101.4	100.7	98.8
48.0	100.6	100.2	99.1	98.0	96.7	95.6
49.5	97.4	97.3	95.4	93.8	92.8	92.1
51.0	93.3	93.7	92.2	90.6	89.4	88.4
52.5	89.8	89.4	88.6	87.7	85.9	84.8
54.0	86.4	85.5	84.6	83.5	82.1	81.2
55.5	82.2	82.0	81.1	79.7	78.5	77.7
57.0	78.5	78.4	77.5	76.3	74.8	74.1
58.5	74.7	74.8	73.4	72.3	70.9	70.4



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
60.0	66.1	66.7	67.7	68.9	70.3	71.7	71.6	71.7	70.7	69.9	68.8	67.9	67.6	67.8	68.4	69.5	70.1	71.1
61.5	62.3	62.8	63.8	64.9	66.5	67.6	67.9	67.6	67.0	66.2	65.2	64.1	64.0	64.0	64.4	65.2	65.9	67.1
63.0	58.5	58.9	59.9	61.0	62.4	63.3	63.7	63.7	62.8	61.9	60.9	60.6	60.2	60.2	60.8	61.5	62.3	62.8
64.5	54.6	55.0	55.9	57.2	58.4	59.3	59.5	59.6	58.8	57.9	57.0	56.4	55.9	56.2	56.8	57.5	58.2	58.6
66.0	50.8	51.0	51.9	53.3	54.3	55.3	55.4	55.2	54.9	54.1	53.3	52.2	52.0	52.2	52.7	53.4	54.2	54.7
67.5	47.0	47.2	47.9	49.2	50.1	51.2	51.5	51.3	50.8	49.9	49.0	48.5	48.3	48.2	48.8	49.5	50.2	50.4
69.0	43.0	43.3	43.9	45.1	46.2	47.0	46.9	47.0	46.8	45.9	45.0	44.6	44.3	44.4	44.8	45.5	46.0	46.3
70.5	39.0	39.3	40.0	41.0	41.7	42.8	43.0	42.8	42.5	41.9	41.2	40.6	40.3	40.6	40.7	41.4	41.8	42.1
72.0	35.3	35.4	36.0	36.8	38.0	38.6	38.7	38.5	38.2	37.7	37.1	36.7	36.5	36.5	36.9	37.2	37.8	38.0
73.5	31.4	31.6	32.1	32.9	33.7	34.4	34.5	34.3	34.3	33.6	33.2	32.9	32.6	32.6	32.9	33.3	33.6	33.9
75.0	27.5	27.8	28.2	28.8	29.8	30.3	30.4	30.2	30.0	29.6	29.3	28.9	28.7	28.8	29.0	29.3	29.7	29.8
76.5	23.7	23.9	24.4	24.9	25.6	26.2	26.3	26.1	26.0	25.7	25.4	25.1	25.0	25.0	25.1	25.4	25.6	25.8
78.0	20.1	20.2	20.7	21.2	21.8	22.2	22.2	22.2	21.8	21.8	21.6	21.5	21.3	21.3	21.4	21.6	21.8	21.8
79.5	16.7	16.8	17.0	17.4	17.9	18.3	18.3	18.2	18.3	18.1	17.9	17.8	17.7	17.8	17.7	17.7	17.8	17.9
81.0	13.4	13.5	13.6	14.0	14.4	14.7	13.1	14.5	14.4	14.3	14.4	14.3	14.3	14.3	14.3	14.3	14.4	14.3
82.5	10.1	10.2	10.5	10.6	11.0	11.2	8.0	11.1	11.2	11.1	11.2	11.1	11.0	11.0	11.0	10.9	10.9	10.9
84.0	7.4	7.4	7.6	7.8	8.0	8.0	3.5	8.0	8.0	8.1	8.1	8.2	8.2	8.1	8.0	8.0	7.9	7.8
85.5	4.8	4.9	4.9	5.2	5.2	5.2	0.3	5.1	5.3	5.3	5.4	5.5	5.6	5.5	5.3	5.3	5.1	5.0
87.0	2.9	2.9	2.9	2.9	2.9	2.8	0.0	2.7	2.9	3.1	3.2	3.3	3.4	3.3	3.2	3.0	2.9	2.7
88.5	1.8	1.8	1.6	1.4	1.3	1.1	0.0	1.0	1.2	1.4	1.7	2.0	2.2	2.1	1.8	1.5	1.3	1.0
90.0	1.3	1.3	1.1	0.9	0.7	0.4	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.3	1.2	0.9	0.6	0.4
91.5	2.5	2.5	2.2	1.8	1.4	1.0	0.0	0.8	1.2	1.6	2.0	2.3	2.5	2.4	2.2	1.8	1.4	1.1
93.0	4.2	4.2	4.1	3.7	3.2	2.8	0.0	2.5	2.9	3.3	3.7	3.9	4.0	4.1	3.9	3.7	3.3	3.0
94.5	6.8	6.7	6.5	6.3	5.9	5.4	2.2	5.0	5.6	6.0	6.1	6.4	6.6	6.5	6.4	6.3	6.1	5.8
96.0	9.9	9.9	9.8	9.6	9.3	8.7	6.7	8.3	8.9	9.3	9.5	9.6	9.7	9.8	9.6	9.7	9.4	9.2
97.5	13.4	13.5	13.6	13.5	13.1	12.5	11.5	12.1	12.7	13.1	13.3	13.2	13.2	13.4	13.6	13.6	13.4	13.2
99.0	17.6	17.6	17.6	17.5	17.4	16.8	15.8	16.4	17.2	17.3	17.4	17.5	17.5	17.7	17.8	17.5	17.6	17.6
100.5	21.8	22.0	21.9	22.2	22.0	21.4	20.5	21.0	21.5	21.6	21.7	21.8	21.9	22.0	21.9	22.3	22.4	22.3
102.0	26.4	26.4	26.7	26.7	26.7	26.3	25.4	26.0	26.5	26.7	26.3	26.2	26.2	26.2	26.6	26.9	27.1	27.2
103.5	31.1	31.2	31.5	31.8	31.7	31.3	30.6	31.0	31.3	31.3	31.2	31.0	30.9	31.0	31.4	31.8	32.2	32.1
105.0	35.8	36.0	36.2	36.8	36.8	36.3	35.9	36.1	36.5	36.1	36.3	35.9	35.7	36.0	36.3	36.7	37.0	37.2
106.5	40.7	40.8	41.3	41.4	42.0	41.6	41.2	41.2	41.5	41.5	41.0	41.0	40.7	40.9	41.2	41.5	42.3	42.2
108.0	45.6	45.8	46.2	46.8	47.0	46.9	46.5	46.4	47.0	46.2	45.8	45.8	45.7	45.8	46.2	47.1	47.2	47.4
109.5	50.5	50.8	50.9	51.8	52.4	52.1	51.7	51.5	51.5	51.6	51.2	50.5	50.4	50.5	51.0	51.6	52.7	52.6
111.0	55.4	55.6	56.0	56.9	57.3	57.3	57.5	56.7	57.0	56.7	55.9	55.6	55.3	55.5	56.1	56.7	56.9	57.9
112.5	60.4	60.3	61.0	62.2	62.8	62.3	62.5	62.2	61.6	61.3	60.8	60.5	60.3	60.5	61.0	62.0	62.7	62.7
114.0	65.0	65.1	66.1	66.7	67.4	67.7	67.4	67.0	67.2	67.0	66.1	65.3	65.2	65.6	65.9	66.5	67.3	68.2
115.5	69.8	70.1	71.0	71.7	72.4	72.6	73.1	72.5	71.9	71.4	70.7	70.1	70.1	70.3	70.8	71.8	72.2	72.8
117.0	75.0	75.1	75.7	76.6	77.5	77.4	78.2	77.8	76.4	76.1	75.4	74.8	74.9	74.9	75.7	76.4	77.3	77.5
118.5	79.6	79.6	80.1	80.9	81.6	82.7	82.9	82.3	82.6	81.0	80.7	79.5	79.4	79.6	80.3	80.4	81.8	82.9

article code
Ecowat Co.

lamp(s)
1 x LED
total flux
5467 lm
LOR
100 %
tilt angle
0.0 °



luminaire : LineLight_DualSide_LED_LN60DU4X2-W-NW_65W_4000K

file : LINELIGHT_DUALSIDE_LED_LN60DU4X2-W-NW_65W_4000K_1

article code

Ecowat Co.

lamp(s)

1 x LED

total flux

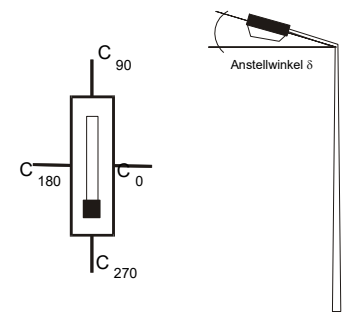
5467 lm

LOR

100 %

tilt angle

0.0 °

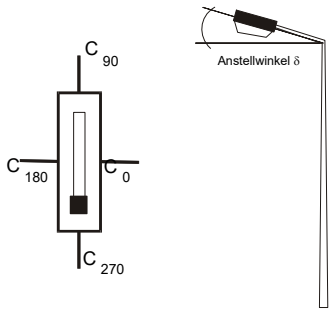


gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
60.0	70.7	70.4	69.5	68.4	67.3	66.4
61.5	67.0	66.5	65.6	64.6	63.7	62.5
63.0	62.9	62.6	61.9	60.6	59.5	58.8
64.5	58.6	58.5	57.7	56.7	55.6	54.8
66.0	54.9	54.3	53.7	52.7	51.7	50.9
67.5	50.6	50.2	49.8	48.8	47.7	47.1
69.0	46.3	46.2	45.2	44.6	43.7	43.2
70.5	42.3	42.1	41.4	40.6	39.7	39.2
72.0	37.9	37.9	37.1	36.6	35.7	35.3
73.5	33.7	33.8	33.2	32.3	31.8	31.5
75.0	29.8	29.6	29.0	28.5	28.0	27.6
76.5	25.6	25.5	25.2	24.5	24.2	23.8
78.0	21.7	21.6	21.1	20.6	20.4	20.1
79.5	17.9	17.7	17.5	17.3	16.8	16.6
81.0	14.1	14.1	13.8	13.5	13.4	13.3
82.5	10.9	10.7	10.7	10.4	10.3	10.1
84.0	7.6	7.6	7.5	7.4	7.4	7.3
85.5	4.8	4.8	4.9	4.8	4.7	4.8
87.0	2.5	2.5	2.6	2.7	2.7	2.8
88.5	0.8	0.9	1.0	1.2	1.5	1.7
90.0	0.5	0.3	0.5	0.8	1.0	1.2
91.5	1.0	1.1	1.4	1.8	2.2	2.5
93.0	2.8	3.0	3.3	3.6	4.0	4.2
94.5	5.7	5.8	6.0	6.3	6.4	6.6
96.0	9.1	9.2	9.4	9.6	9.8	9.9
97.5	13.2	13.2	13.3	13.4	13.5	13.5
99.0	17.5	17.6	17.6	17.7	17.5	17.5
100.5	22.1	22.3	22.1	22.0	22.0	21.9
102.0	27.3	27.1	27.0	26.9	26.6	26.5
103.5	32.0	32.1	31.9	31.7	31.3	31.2
105.0	37.3	37.1	37.2	36.6	36.3	35.9
106.5	42.6	42.4	42.1	41.8	41.1	40.8
108.0	47.5	47.7	47.3	46.2	46.0	45.7
109.5	53.0	52.7	52.2	51.9	51.3	50.6
111.0	57.9	58.0	57.8	57.0	55.9	55.6
112.5	62.9	63.1	62.4	61.4	60.7	60.4
114.0	68.6	67.7	67.7	67.0	66.3	65.1
115.5	72.8	72.9	72.3	71.5	70.9	70.2
117.0	78.1	77.8	76.8	76.2	75.4	75.2
118.5	83.3	82.2	82.2	81.6	80.5	79.7

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
120.0	84.0	84.2	84.9	86.3	86.9	87.4	88.4	87.4	86.2	85.4	84.9	84.3	83.8	84.4	85.1	85.8	86.7	87.9
121.5	88.5	88.7	89.7	90.8	91.7	91.6	92.6	92.7	90.7	90.3	89.0	89.3	88.6	89.2	89.7	90.4	91.3	92.3
123.0	93.0	93.2	93.9	94.8	95.5	96.3	97.5	97.2	96.5	95.2	93.6	93.4	93.3	93.6	93.5	94.4	95.1	96.7
124.5	97.4	97.7	98.5	99.7	100.5	101.1	102.3	101.2	100.2	98.8	98.0	97.5	97.5	97.8	98.0	99.0	100.4	101.5
126.0	101.6	101.9	103.3	103.9	105.2	105.9	106.5	105.2	104.3	103.3	102.3	101.7	101.5	101.6	102.8	103.6	105.0	105.9
127.5	105.7	106.3	107.0	107.5	108.6	109.5	110.7	110.0	109.5	108.8	106.9	105.9	105.4	105.9	106.9	108.2	109.0	110.1
129.0	110.4	111.0	111.0	112.0	112.8	113.4	115.1	114.6	113.4	111.9	111.0	110.1	109.8	110.5	110.8	112.3	113.2	114.0
130.5	114.7	114.6	115.7	116.5	117.5	117.7	119.2	118.7	117.1	115.5	114.5	114.2	114.1	114.2	115.1	116.3	117.7	118.1
132.0	118.3	118.4	119.2	119.9	121.1	121.9	122.6	122.2	121.3	120.3	119.1	118.2	118.2	117.9	119.3	120.0	121.4	122.3
133.5	122.1	122.3	122.8	123.9	124.4	126.3	126.9	126.1	125.7	124.4	123.8	121.7	122.0	122.0	123.7	124.1	125.1	126.5
135.0	125.9	126.2	126.9	128.6	128.5	129.9	130.7	129.9	129.5	127.8	126.9	126.0	125.7	126.1	127.2	128.4	129.2	130.0
136.5	129.4	129.9	130.6	131.5	132.8	133.3	134.3	133.6	133.0	131.8	130.3	130.8	130.1	130.3	130.7	131.8	133.3	133.7
138.0	132.9	133.3	133.9	134.5	136.3	136.4	137.9	137.2	136.7	135.7	134.8	133.6	133.9	133.7	134.2	135.1	137.0	136.8
139.5	136.7	136.8	137.5	138.4	139.1	140.1	141.6	140.7	140.4	139.0	138.3	136.8	136.8	137.2	138.0	139.1	140.3	140.6
141.0	140.1	140.1	141.2	142.1	142.3	143.5	144.2	143.9	144.0	142.3	141.6	141.0	140.3	140.8	141.7	142.8	143.7	144.0
142.5	143.4	143.6	144.3	145.0	146.4	146.8	147.4	147.3	146.5	145.8	145.0	144.5	144.1	144.4	144.7	145.5	146.8	147.2
144.0	146.6	147.3	147.3	148.0	150.0	150.2	150.9	149.9	149.4	149.1	148.4	147.5	147.6	147.8	148.1	148.8	149.8	150.3
145.5	149.8	149.9	150.7	151.5	152.3	153.0	154.2	153.0	152.6	152.0	151.3	150.7	150.8	150.8	151.5	152.2	152.7	153.2
147.0	152.8	152.8	153.7	154.5	154.9	156.4	156.6	156.0	155.7	155.0	154.1	153.6	153.3	153.8	154.5	155.4	155.5	156.1
148.5	155.6	156.1	156.2	157.1	158.2	159.0	159.2	159.0	158.9	158.6	157.2	156.5	156.4	156.4	157.1	158.1	158.4	158.9
150.0	158.3	158.8	159.2	159.7	160.5	161.4	162.0	161.5	161.3	161.7	160.0	159.5	159.7	159.2	159.8	160.8	161.2	161.3
151.5	161.4	161.3	162.4	162.9	163.3	163.9	164.6	164.0	163.6	163.4	162.6	162.4	162.1	162.2	162.9	163.4	163.6	163.8
153.0	164.1	164.1	164.5	165.2	165.8	166.4	167.5	166.2	165.8	165.6	165.5	164.7	164.6	164.9	165.5	165.5	166.0	166.4
154.5	165.9	166.6	166.8	167.4	168.0	168.5	169.4	168.7	168.2	168.1	168.4	167.1	167.1	167.7	167.8	167.9	168.1	168.8
156.0	168.3	168.7	169.5	169.5	169.8	170.6	171.2	170.8	170.4	170.8	170.1	170.2	169.8	170.1	170.0	170.5	170.4	170.6
157.5	170.9	170.9	171.7	171.8	172.5	173.1	173.2	172.7	172.7	172.4	171.9	172.3	172.7	172.1	172.0	172.3	172.4	172.7
159.0	173.0	173.2	173.6	174.0	174.4	175.2	175.5	174.8	174.3	174.0	174.1	173.6	174.3	173.5	174.0	174.1	174.1	174.7
160.5	175.1	175.2	175.4	175.9	176.4	177.1	177.5	176.6	176.3	176.0	176.0	175.5	175.8	175.4	176.0	176.1	176.4	176.3
162.0	177.0	177.2	177.2	177.5	178.3	178.6	178.8	178.0	177.8	178.0	177.8	177.5	177.3	177.6	177.8	177.5	178.1	177.8
163.5	178.7	178.7	178.9	179.3	179.8	179.7	180.7	179.6	179.3	179.4	179.2	179.1	179.0	179.0	179.3	179.1	179.5	179.7
165.0	180.3	180.1	180.3	180.9	181.1	181.2	181.8	181.1	180.8	180.9	180.7	180.5	180.8	180.3	180.4	180.9	181.3	181.2
166.5	181.7	181.4	181.7	182.4	182.4	182.8	183.1	182.3	182.3	181.8	181.9	181.5	181.5	181.9	181.6	182.0	182.3	182.4
168.0	183.0	183.1	183.4	183.5	183.7	183.7	184.2	183.6	183.4	183.1	182.9	182.6	182.4	183.0	183.0	183.2	183.3	183.8
169.5	184.2	184.8	184.3	184.8	184.6	184.8	184.8	184.4	184.6	184.1	184.1	184.1	183.8	183.9	184.1	184.9	183.9	185.1
171.0	185.1	185.3	185.4	185.6	185.8	185.7	186.0	185.4	185.2	185.1	185.1	184.9	185.1	184.9	185.1	185.2	185.1	185.8
172.5	185.9	186.1	186.2	186.7	186.4	186.4	187.1	186.2	185.8	186.4	186.1	185.6	186.5	185.7	185.9	186.1	186.2	186.5
174.0	186.8	186.9	186.7	187.2	186.9	187.0	187.4	186.6	186.4	187.2	186.8	186.5	186.6	186.9	186.6	186.8	186.9	186.8
175.5	187.6	187.5	187.5	187.8	187.6	187.5	187.7	187.3	187.0	187.1	187.2	187.1	186.9	187.6	187.4	187.3	187.5	187.2
177.0	187.9	187.8	187.7	187.9	187.9	187.8	187.5	187.5	187.5	187.5	187.5	187.5	187.5	187.6	187.7	187.8	187.8	187.9
178.5	188.0	188.0	188.0	188.0	188.0	188.1	188.1	188.1	188.0	187.9	187.9	187.9	187.9	187.9	187.9	187.8	187.8	187.8
180.0	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1	188.1

article code
Ecowat Co.

lamp(s)
1 x LED
total flux
5467 lm
LOR
100 %
tilt angle
0.0 °



luminaire : LineLight_DualSide_LED_LN60DU4X2-W-NW_65W_4000K

file : LINELIGHT_DUALSIDE_LED_LN60DU4X2-W-NW_65W_4000K_1

article code

Ecowat Co.

lamp(s)

1 x LED

total flux

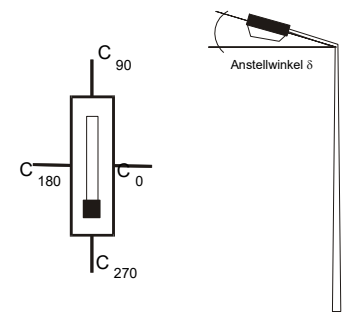
5467 lm

LOR

100 %

tilt angle

0.0 °



gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
120.0	87.4	87.1	86.5	86.0	84.9	84.2
121.5	92.4	92.3	91.3	90.6	89.3	88.7
123.0	97.4	96.8	96.7	95.2	94.2	93.2
124.5	101.4	100.5	100.2	99.1	98.6	97.6
126.0	105.8	104.9	104.3	103.5	102.9	102.3
127.5	110.4	109.6	109.1	108.4	107.1	106.4
129.0	114.6	114.4	113.0	112.0	111.1	110.4
130.5	118.3	118.0	116.3	116.0	114.8	114.6
132.0	122.6	121.6	120.8	120.5	119.0	118.6
133.5	126.3	125.2	125.3	124.1	123.2	122.4
135.0	129.8	128.9	128.6	127.6	126.6	126.2
136.5	133.6	133.1	132.0	131.3	130.2	129.9
138.0	137.0	137.1	135.7	135.3	134.3	133.2
139.5	140.5	140.9	139.4	138.2	137.6	136.6
141.0	143.9	143.8	143.1	141.4	140.5	140.2
142.5	147.3	147.2	145.9	145.4	144.2	143.4
144.0	150.9	149.9	148.7	148.6	147.5	146.3
145.5	153.2	152.7	152.1	151.1	150.1	149.9
147.0	155.9	155.8	155.2	154.1	153.3	153.2
148.5	159.3	158.8	158.6	157.3	156.3	155.8
150.0	161.9	161.5	160.9	160.1	159.1	158.5
151.5	164.2	164.5	162.8	162.5	161.8	161.4
153.0	166.9	167.0	165.5	164.8	164.5	163.9
154.5	168.8	169.1	168.1	167.5	167.0	166.4
156.0	170.8	171.0	170.7	169.9	169.2	168.9
157.5	172.8	172.8	172.6	171.7	171.5	171.1
159.0	175.1	174.7	174.9	173.4	173.6	173.1
160.5	176.7	176.5	176.0	175.6	175.4	175.1
162.0	178.1	178.3	178.1	177.7	177.3	176.9
163.5	179.8	179.6	179.8	179.3	178.8	178.8
165.0	181.2	181.3	181.2	180.4	180.0	180.3
166.5	182.7	182.7	182.5	181.9	181.8	181.7
168.0	184.2	183.9	184.0	183.5	183.4	182.9
169.5	184.8	184.8	184.5	184.6	184.3	184.0
171.0	186.0	185.6	185.4	185.5	185.3	185.3
172.5	186.7	186.6	186.5	186.3	186.3	186.2
174.0	186.9	187.0	187.2	186.9	187.0	187.1
175.5	186.9	187.3	187.7	187.8	187.6	187.6
177.0	188.1	188.1	188.0	187.9	187.8	187.8
178.5	187.8	187.8	187.8	187.9	187.9	188.0
180.0	188.1	188.1	188.1	188.1	188.1	188.1

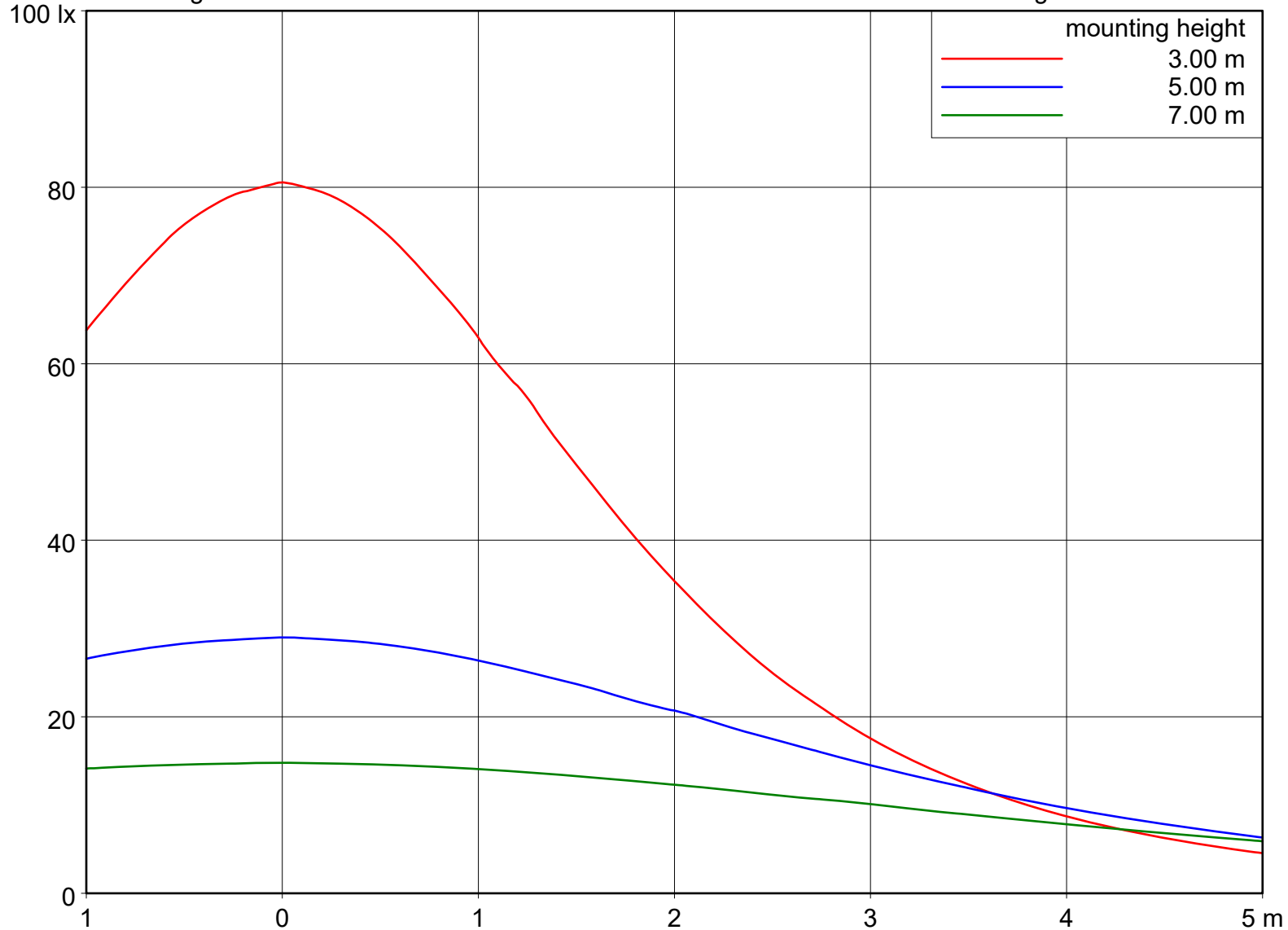


tilt angle : 0.0 °

swivel angle : 0.0 °

orientation : 0.0 °

light loss factor : 0.8



article code

Ecowat Co.

lamp(s)

1 x LED

total flux

5467 lm

LOR

100 %

tilt angle

0.0 °

