

meas. no. 02L1863
meas. date 12/4/2023
operator LightLab.

meas. conditions
ambient temperature 25.0 °C
voltage 230.00 V
current 1.433 A
power consumption 228.4 W
Leistungsfaktor 0.691

meas. lamps lum. flux [lm]
absolute measurement 21436.6 lm
luminous efficacy 94 lm/w

dimensions of luminaire
diameter 500 mm
height 260 mm

dimensions of luminous area
diameter 150 mm
height C0 140 mm
height C90 140 mm
height C180 140 mm
height C270 140 mm

reflector

cover

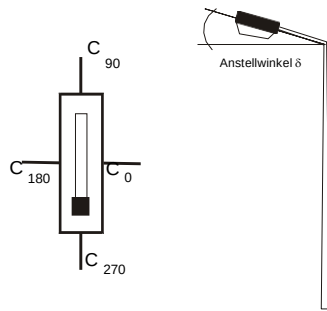
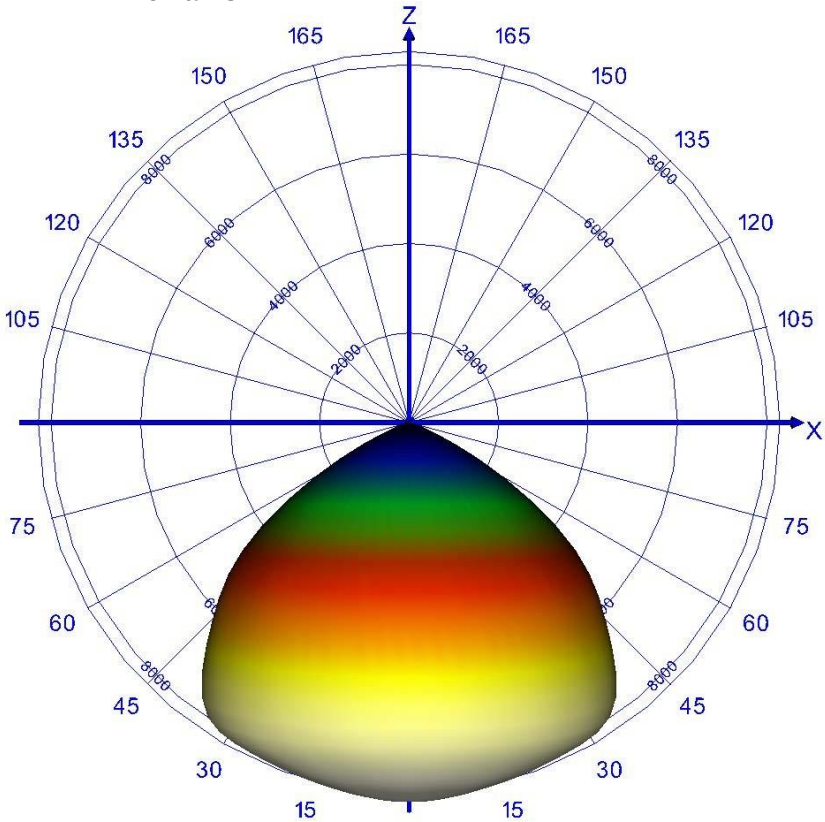
variant

measurement results
flux of luminaire 21436.6 lm
classification / DIN A50
lower flux fraction 99.99 %
upper flux fraction 0.01 %
intensity maximum 9165.9 cd
in C-plane 337.5 °
at gamma 5.0 °
half value angle C0 : 54.6 °
C180 : 54.6 °
C90 : 54.1 °
tenth value angle C0 : 66.5 °
C180 : 66.5 °
C90 : 66.9 °

article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux 21437 lm
LOR
100 %
tilt angle 0.0 °

remarks

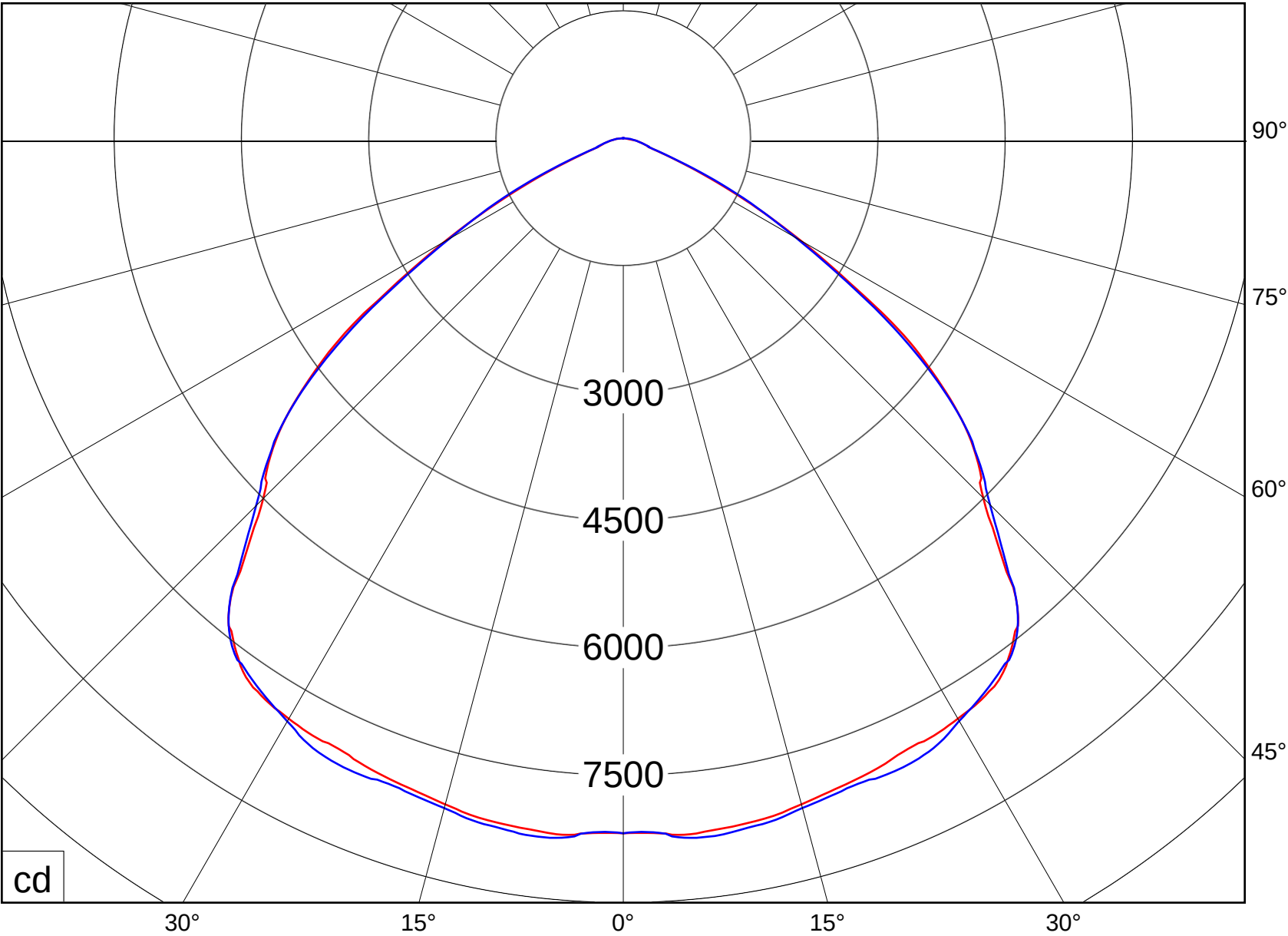
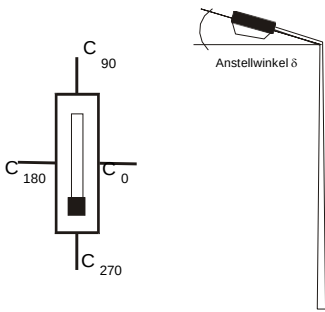


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Azar Teyf Co.

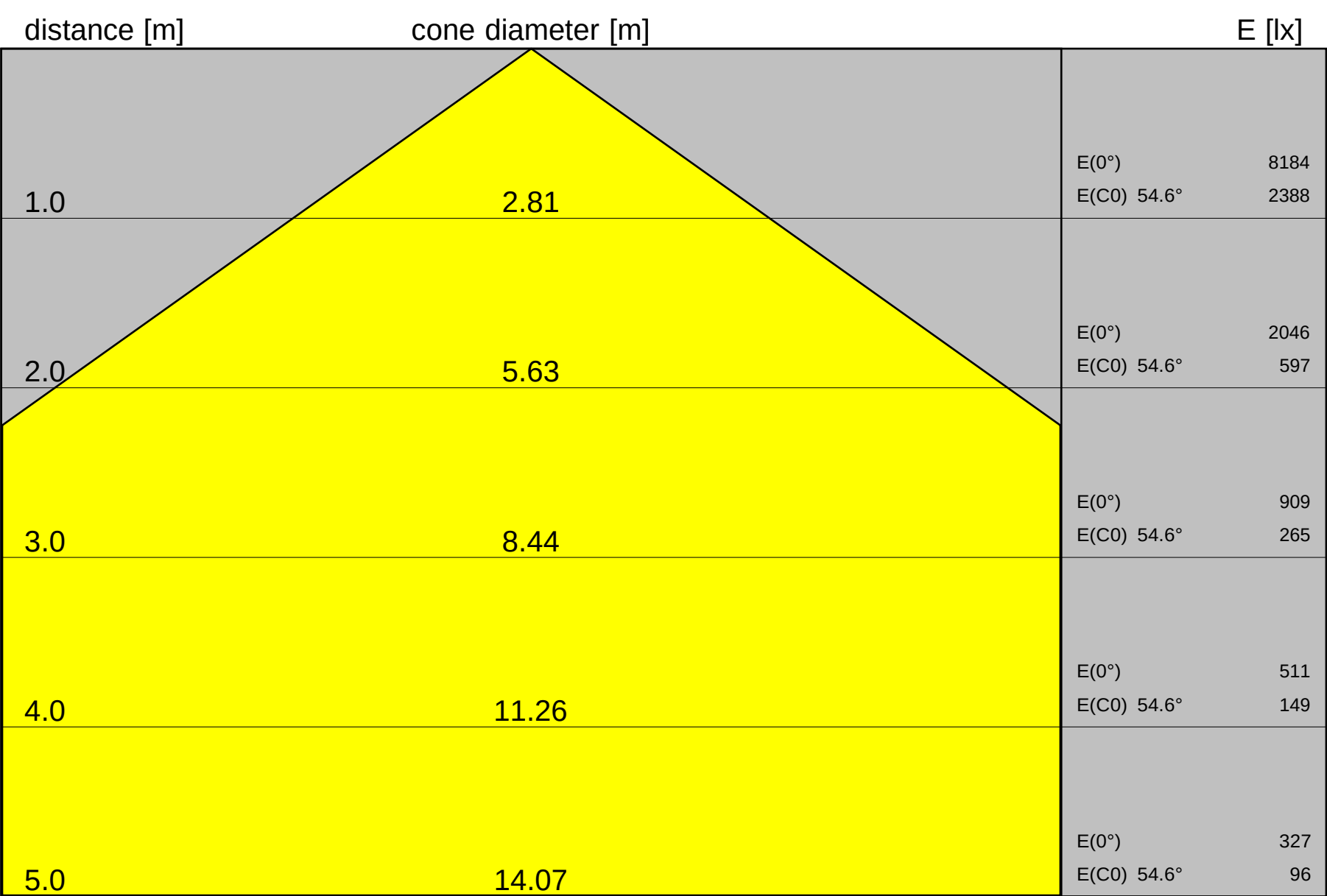
lamp(s)

1 x LED
total flux
21437 lm
LOR
100 %
tilt angle
0.0 °



cd

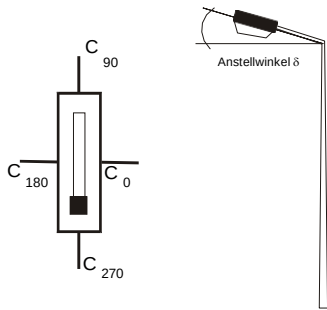
C0.0-C180.0 C90.0-C270.0

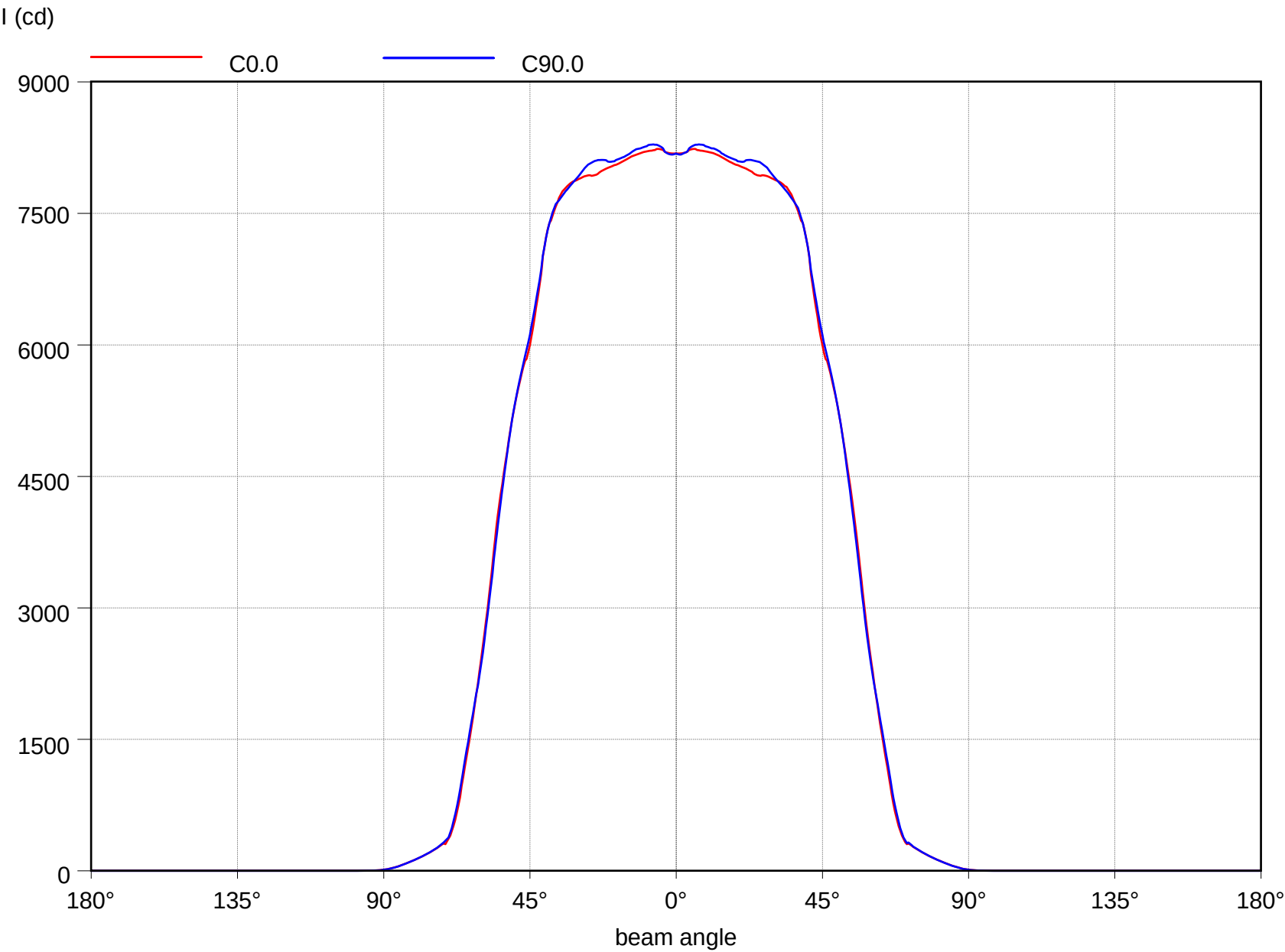


half value angle 109.2°

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1 x LED
total flux
21437 lm
LOR
100 %
tilt angle
0.0 °



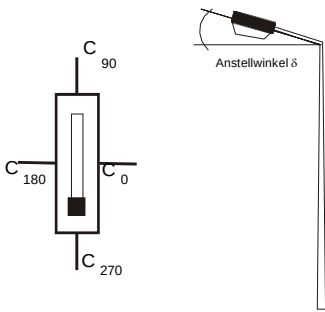


article code

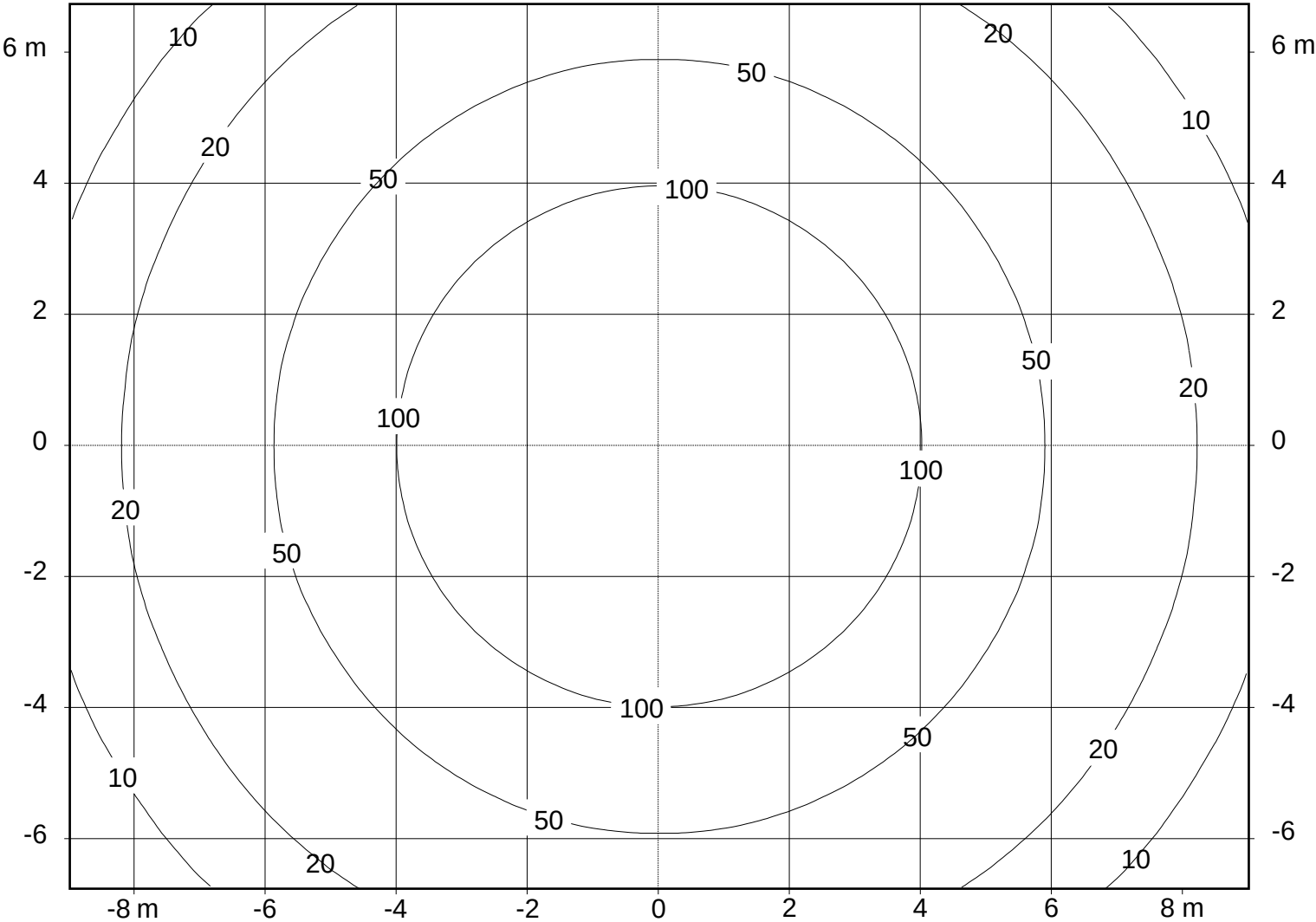
Azar Teyf Co.

lamp(s)

1 x LED
total flux
21437 lm
LOR
100 %
tilt angle
0.0 °

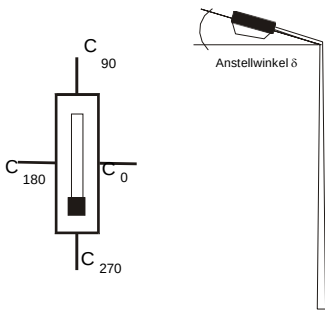


tilt angle : 0.0 °
swivel angle : 0.0 °
mounting height : 6.00 m
orientation : 0.0 °
light loss factor : 0.8



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lamp(s)
1 x LED
total flux
21437 lm
LOR
100 %
tilt angle
0.0 °

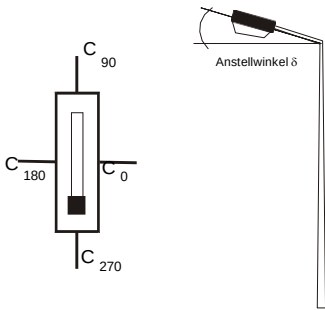


file : HIGHBAY_LED_200W_6500K

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	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8	381.8
2.5	382.0	381.3	380.6	380.9	381.5	381.7	381.6	381.7	381.5	380.9	380.6	381.3	382.0	381.3	380.6	380.9	381.5	381.7
5.0	384.0	384.9	385.4	385.3	385.5	385.6	385.6	385.6	385.5	385.3	385.4	384.9	384.0	384.9	385.4	385.3	385.5	385.6
7.5	383.3	384.8	384.5	385.2	385.6	386.1	386.5	386.1	385.6	385.2	384.5	384.8	383.3	384.8	384.5	385.2	385.6	386.1
10.0	382.5	384.0	383.7	384.1	384.7	385.2	385.1	385.2	384.7	384.1	383.7	384.0	382.5	384.0	383.7	384.1	384.7	385.2
12.5	381.3	382.0	382.1	382.4	382.5	383.3	383.7	383.3	382.5	382.4	382.1	382.0	381.3	382.0	382.1	382.4	382.5	383.3
15.0	378.7	379.1	380.0	379.4	380.2	380.6	380.9	380.6	380.2	379.4	380.0	379.1	378.7	379.1	380.0	379.4	380.2	380.6
17.5	376.5	377.2	377.9	377.3	378.4	378.5	378.9	378.5	378.4	377.3	377.9	377.2	376.5	377.2	377.9	377.3	378.4	378.5
20.0	374.8	376.1	376.2	376.1	377.5	376.4	377.4	376.4	377.5	376.1	376.2	376.1	374.8	376.1	376.2	376.1	377.5	376.4
22.5	372.8	374.8	375.5	375.1	376.7	377.1	378.4	377.1	376.7	375.1	375.5	374.8	372.8	374.8	375.5	375.1	376.7	377.1
25.0	370.2	373.7	374.2	375.0	376.6	377.9	377.8	377.9	376.6	375.0	374.2	373.7	370.2	373.7	374.2	375.0	376.6	377.9
27.5	369.9	372.2	371.9	372.0	373.5	374.1	375.1	374.1	373.5	372.0	371.9	372.2	369.9	372.2	371.9	372.0	373.5	374.1
30.0	368.0	370.9	369.3	369.7	370.0	369.5	369.6	369.5	370.0	369.7	369.3	370.9	368.0	370.9	369.3	369.7	370.0	369.5
32.5	365.8	367.7	366.5	365.7	363.7	363.6	364.8	363.6	363.7	365.7	366.5	367.7	365.8	367.7	366.5	365.7	363.7	363.6
35.0	361.5	363.3	361.9	360.5	359.6	359.1	359.3	359.1	359.6	360.5	361.9	363.3	361.5	363.3	361.9	360.5	359.6	359.1
37.5	351.1	355.0	353.9	353.7	353.4	353.5	352.8	353.5	353.4	353.7	353.9	355.0	351.1	355.0	353.9	353.7	353.4	353.5
40.0	337.1	341.4	339.0	337.3	338.7	339.5	337.0	339.5	338.7	337.3	339.0	341.4	337.1	341.4	339.0	337.3	338.7	339.5
42.5	305.8	309.5	308.7	308.4	310.4	309.6	309.3	309.6	310.4	308.4	308.7	309.5	305.8	309.5	308.7	308.4	310.4	309.6
45.0	279.8	283.4	282.7	283.7	284.9	286.1	285.3	286.1	284.9	283.7	282.7	283.4	279.8	283.4	282.7	283.7	284.9	286.1
47.5	264.6	268.4	265.2	266.3	266.1	266.8	266.2	266.8	266.1	266.3	265.2	268.4	264.6	268.4	265.2	266.3	266.1	266.8
50.0	244.3	248.5	246.2	248.1	244.7	245.9	244.6	245.9	244.7	248.1	246.2	248.5	244.3	248.5	246.2	248.1	244.7	245.9
52.5	217.6	221.4	218.3	219.6	216.1	217.1	215.6	217.1	216.1	219.6	218.3	221.4	217.6	221.4	218.3	219.6	216.1	217.1
55.0	186.8	186.6	185.6	184.4	183.7	181.2	181.4	181.2	183.7	184.4	185.6	186.6	186.8	186.6	185.6	184.4	183.7	181.2
57.5	146.9	149.4	147.3	147.0	144.0	143.6	143.4	143.6	144.0	147.0	147.3	149.4	146.9	149.4	147.3	147.0	144.0	143.6
60.0	112.6	112.7	112.1	111.1	110.8	110.0	109.7	110.0	110.8	111.1	112.1	112.7	112.6	112.7	112.1	111.1	110.8	110.0
62.5	81.7	81.7	82.7	82.8	83.3	82.9	83.9	82.9	83.3	82.8	82.7	81.7	81.7	81.7	82.7	82.8	83.3	82.9
65.0	55.0	53.8	55.2	55.9	57.9	57.5	58.5	57.5	57.9	55.9	55.2	53.8	55.0	53.8	55.2	55.9	57.9	57.5
67.5	30.6	29.9	30.7	31.5	32.8	33.3	33.7	33.3	32.8	31.5	30.7	29.9	30.6	29.9	30.7	31.5	32.8	33.3
70.0	16.8	17.1	17.6	17.6	17.6	17.6	17.8	17.6	17.6	17.6	17.6	17.1	16.8	17.1	17.6	17.6	17.6	17.6
72.5	13.3	13.4	13.4	13.5	13.5	13.6	13.6	13.6	13.5	13.5	13.4	13.4	13.3	13.4	13.4	13.5	13.5	13.6
75.0	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7

article code
Azar Teyf Co.

lamp(s)
1 x LED
total flux
21437 lm
LOR
100 %
tilt angle
0.0 °

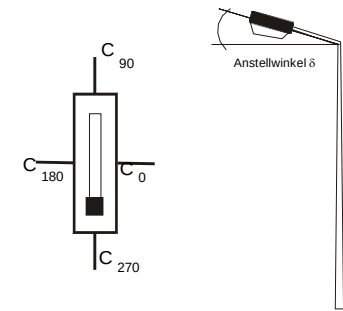


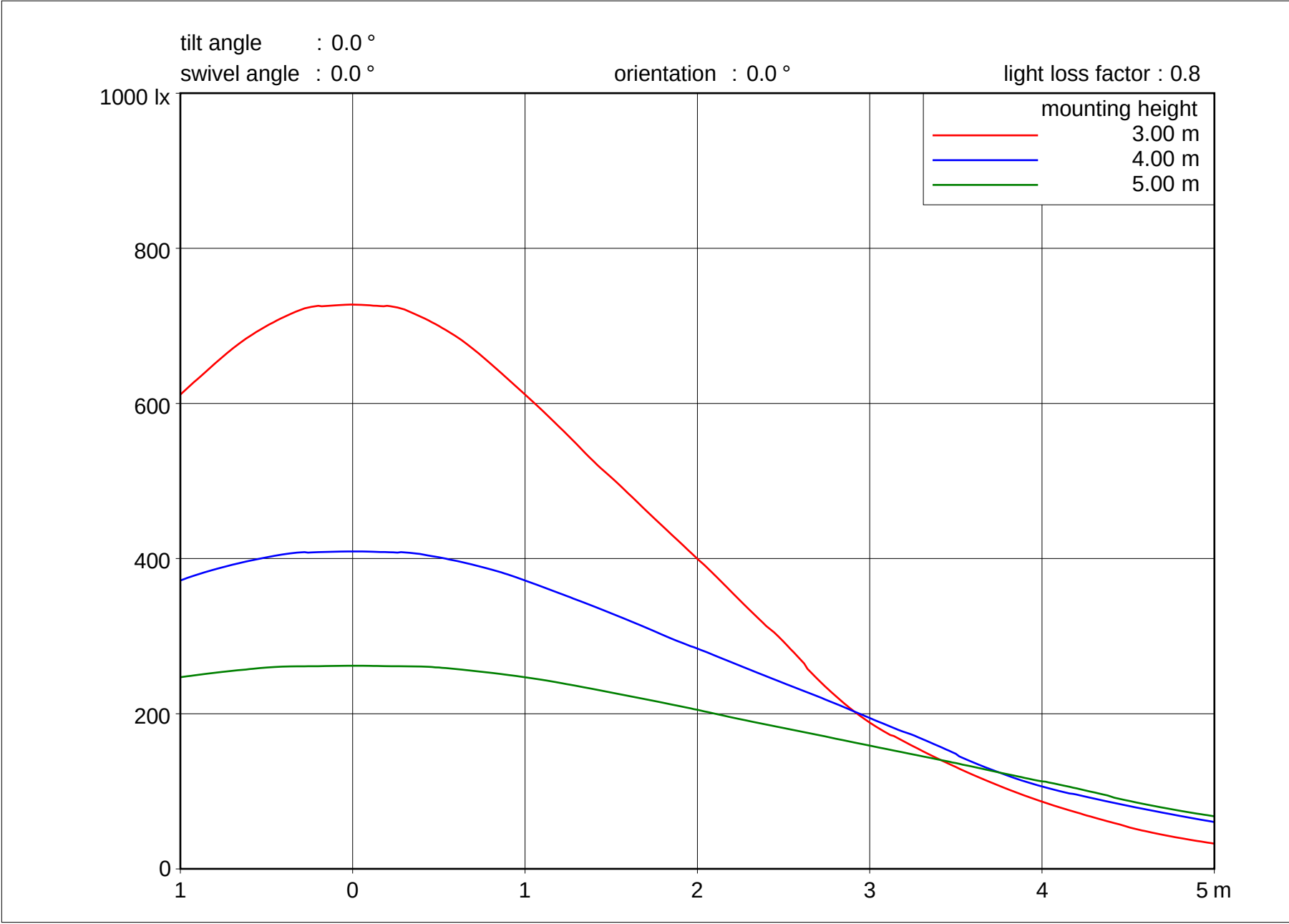
file : HIGHBAY_LED_200W_6500K

gamma / °	C 270	C 285	C 300	C 315	C 330	C 345
0.0	381.8	381.8	381.8	381.8	381.8	381.8
2.5	381.6	381.7	381.5	380.9	380.6	381.3
5.0	385.6	385.6	385.5	385.3	385.4	384.9
7.5	386.5	386.1	385.6	385.2	384.5	384.8
10.0	385.1	385.2	384.7	384.1	383.7	384.0
12.5	383.7	383.3	382.5	382.4	382.1	382.0
15.0	380.9	380.6	380.2	379.4	380.0	379.1
17.5	378.9	378.5	378.4	377.3	377.9	377.2
20.0	377.4	376.4	377.5	376.1	376.2	376.1
22.5	378.4	377.1	376.7	375.1	375.5	374.8
25.0	377.8	377.9	376.6	375.0	374.2	373.7
27.5	375.1	374.1	373.5	372.0	371.9	372.2
30.0	369.6	369.5	370.0	369.7	369.3	370.9
32.5	364.8	363.6	363.7	365.7	366.5	367.7
35.0	359.3	359.1	359.6	360.5	361.9	363.3
37.5	352.8	353.5	353.4	353.7	353.9	355.0
40.0	337.0	339.5	338.7	337.3	339.0	341.4
42.5	309.3	309.6	310.4	308.4	308.7	309.5
45.0	285.3	286.1	284.9	283.7	282.7	283.4
47.5	266.2	266.8	266.1	266.3	265.2	268.4
50.0	244.6	245.9	244.7	248.1	246.2	248.5
52.5	215.6	217.1	216.1	219.6	218.3	221.4
55.0	181.4	181.2	183.7	184.4	185.6	186.6
57.5	143.4	143.6	144.0	147.0	147.3	149.4
60.0	109.7	110.0	110.8	111.1	112.1	112.7
62.5	83.9	82.9	83.3	82.8	82.7	81.7
65.0	58.5	57.5	57.9	55.9	55.2	53.8
67.5	33.7	33.3	32.8	31.5	30.7	29.9
70.0	17.8	17.6	17.6	17.6	17.6	17.1
72.5	13.6	13.6	13.5	13.5	13.4	13.4
75.0	10.7	10.7	10.7	10.6	10.6	10.6

article code
Azar Teyf Co.

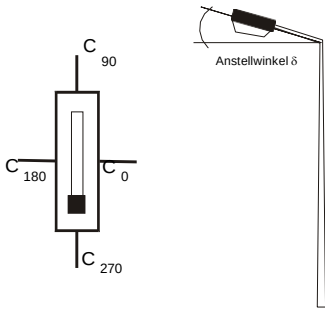
lamp(s)
1 x LED
total flux
21437 lm
LOR
100 %
tilt angle
0.0 °





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glare rating acc. to UGR											
ρ-ceiling		70	70	50	50	30	70	70	50	50	30
ρ-walls		50	30	50	30	30	50	30	50	30	30
ρ-floor		20	20	20	20	20	20	20	20	20	20
room size X Y		crosswise to lamp axis					parallel to lamp axis				
2H	2H	29.9	31.1	30.2	31.3	31.6	29.9	31.1	30.2	31.3	31.5
	3H	29.9	31.0	30.2	31.2	31.5	29.9	30.9	30.2	31.2	31.5
	4H	29.8	30.8	30.2	31.1	31.4	29.8	30.8	30.1	31.1	31.4
	6H	29.8	30.7	30.1	31.0	31.3	29.7	30.7	30.1	30.9	31.3
	8H	29.7	30.6	30.1	30.9	31.2	29.7	30.6	30.1	30.9	31.2
	12H	29.7	30.6	30.1	30.9	31.2	29.7	30.5	30.0	30.8	31.2
4H	2H	30.0	31.0	30.3	31.3	31.6	30.0	31.0	30.3	31.2	31.5
	3H	30.0	30.9	30.4	31.2	31.5	30.0	30.8	30.3	31.1	31.5
	4H	29.9	30.7	30.3	31.0	31.4	29.9	30.7	30.3	31.0	31.4
	6H	29.9	30.5	30.3	30.9	31.3	29.9	30.5	30.3	30.9	31.3
	8H	29.9	30.5	30.3	30.9	31.3	29.8	30.4	30.3	30.8	31.2
	12H	29.8	30.4	30.3	30.8	31.2	29.8	30.3	30.2	30.7	31.2
8H	4H	29.8	30.5	30.3	30.8	31.3	29.8	30.4	30.2	30.8	31.2
	6H	29.8	30.3	30.3	30.7	31.2	29.8	30.3	30.2	30.7	31.1
	8H	29.8	30.2	30.2	30.6	31.1	29.7	30.2	30.2	30.6	31.1
	12H	29.7	30.1	30.2	30.6	31.1	29.7	30.1	30.2	30.5	31.0
12H	4H	29.8	30.4	30.3	30.8	31.2	29.8	30.3	30.2	30.7	31.2
	6H	29.8	30.2	30.2	30.6	31.1	29.7	30.2	30.2	30.6	31.1
	8H	29.7	30.1	30.2	30.6	31.1	29.7	30.1	30.2	30.5	31.0
variation of observer position											
S = 1.0H		+0.5 / -0.9				+0.5 / -1.0					
1.5H		+1.5 / -3.8				+1.5 / -3.7					
2.0H		+3.0 / -9.0				+3.0 / -8.6					
standard-table correction		BK01					BK01				
		12.1					12.1				
corrected glare indices for 21437lm total flux											

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1 x LED
total flux
21437 lm
LOR
100 %
tilt angle
0.0 °

