

meas. conditions

ambient temperature	25,0 °C
voltage	230,00 V
current	0,414 A
power consumption	88,2 W
Leistungsfaktor	0,000

meas. lamps

absolute measurement

lum. flux [lm]
11233,8 lm

dimensions of luminaire

length	600 mm
width	180 mm
height	85 mm

dimensions of luminous area

length	240 mm
width	120 mm
height C0	0 mm
height C90	0 mm
height C180	0 mm
height C270	0 mm

Luminaire

Developed

Approved

measurement results

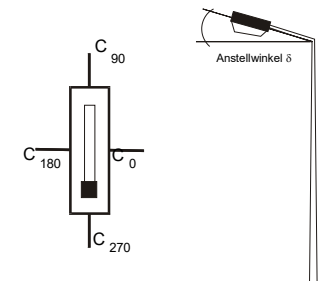
flux of luminaire	11233,8 lm
classification / DIN	A30
lower flux fraction	100,00 %
upper flux fraction	0,00 %
intensity maximum	7724,4 cd
in C-plane	157,5 °
at gamma	64,5 °
half value angle	C0 : 76,7 °
	C90 : 50,0 °
	C270 : 12,2 °
tenth value angle	C0 : 81,2 °
	C90 : 67,0 °
	C270 : 72,5 °

lamp(s)

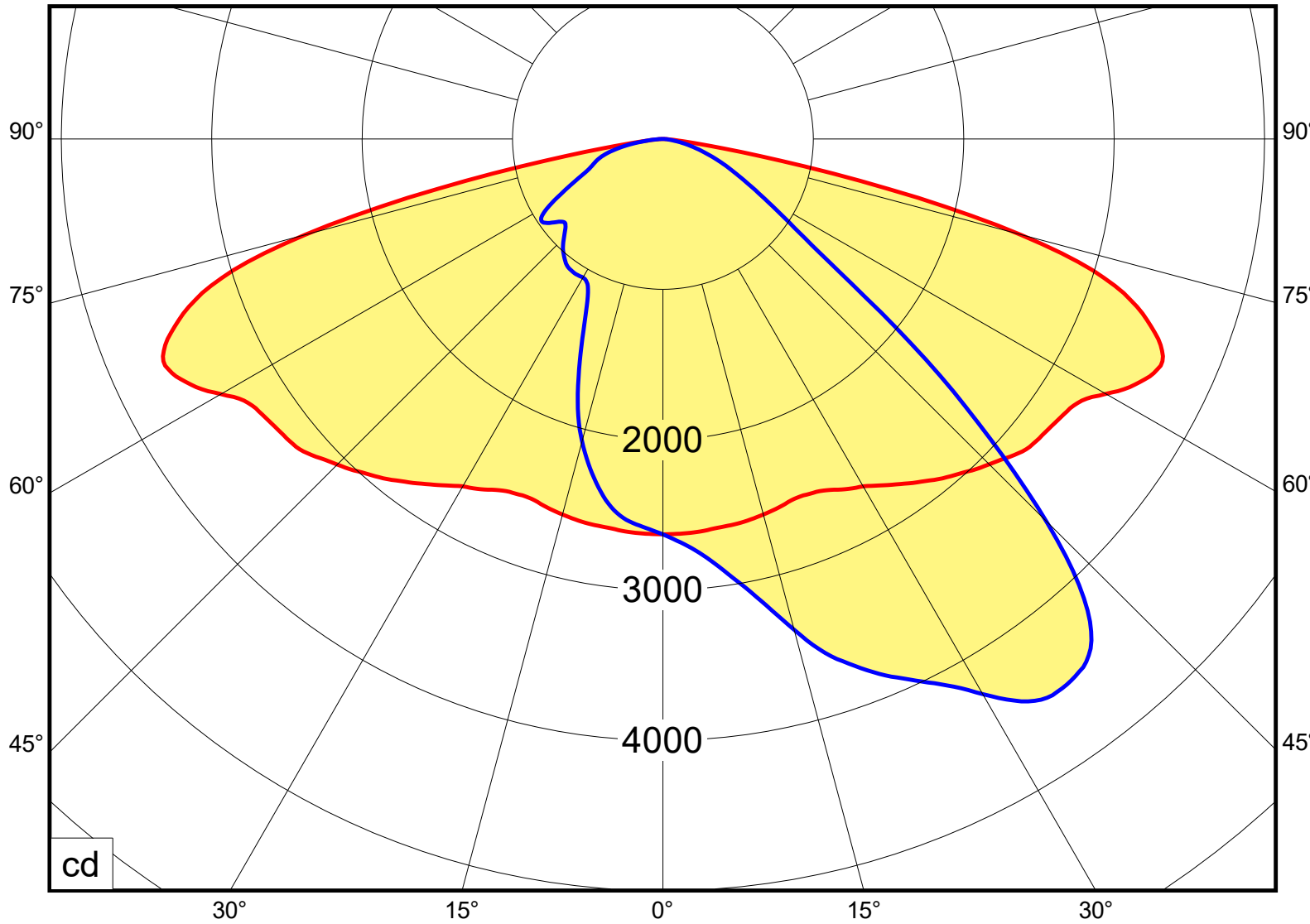
1 x LED
total flux
11234 lm
LOR
100 %
tilt angle
0,0 °

Notes

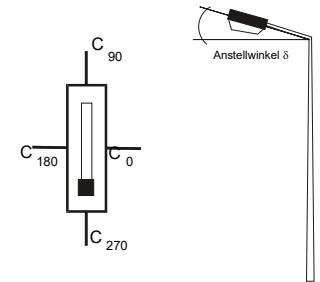
Produkcni vzorek, 15.11.2016, cipy samsung, nova optika, kolme reflektor



Artikelnr.: AULVOS1037509



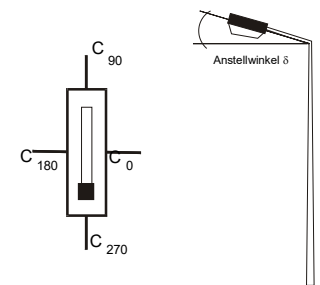
lamp(s)
1 x LED
total flux
11234 lm
LOR
100 %
tilt angle
0,0 °



— C0,0-C180,0 — C90,0-C270,0

distance [m]	cone diameter [m]	E [lx]	
1,0	8,46	E(0°) 2629 E(C0) 76,7° 427	lamp(s) 1 x LED total flux 11234 lm LOR 100 % tilt angle 0,0 °
2,0	16,92	E(0°) 657 E(C0) 76,7° 107	
3,0	25,38	E(0°) 292 E(C0) 76,7° 47	
4,0	33,84	E(0°) 164 E(C0) 76,7° 27	
5,0	42,30	E(0°) 105 E(C0) 76,7° 17	

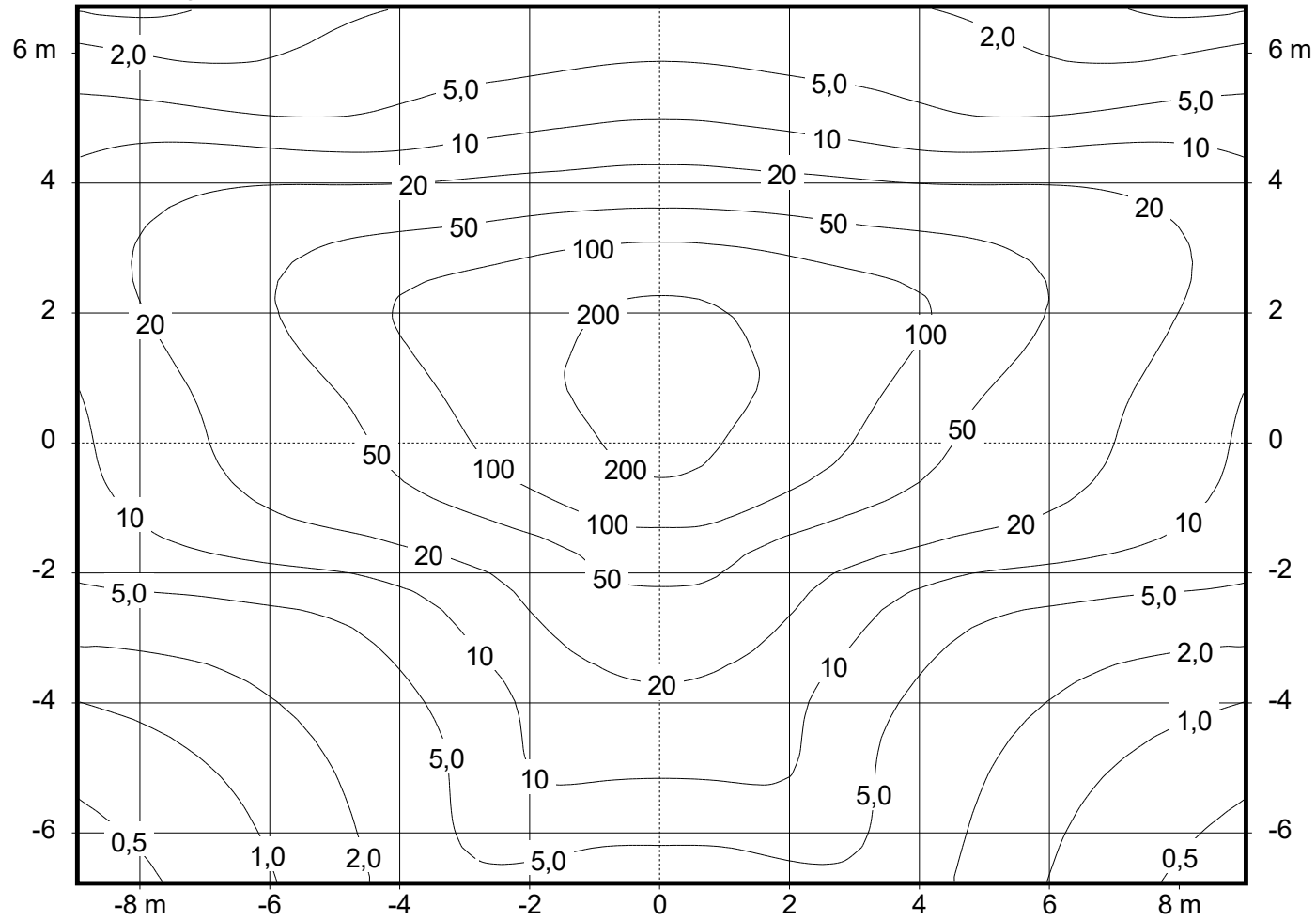
half value angle 153,4°



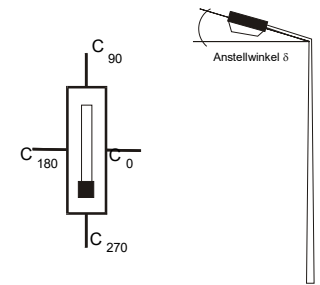
tilt angle : 0,0°
swivel angle : 0,0°

mounting height : 3,00 m
orientation : 0,0°

light loss factor : 0,8



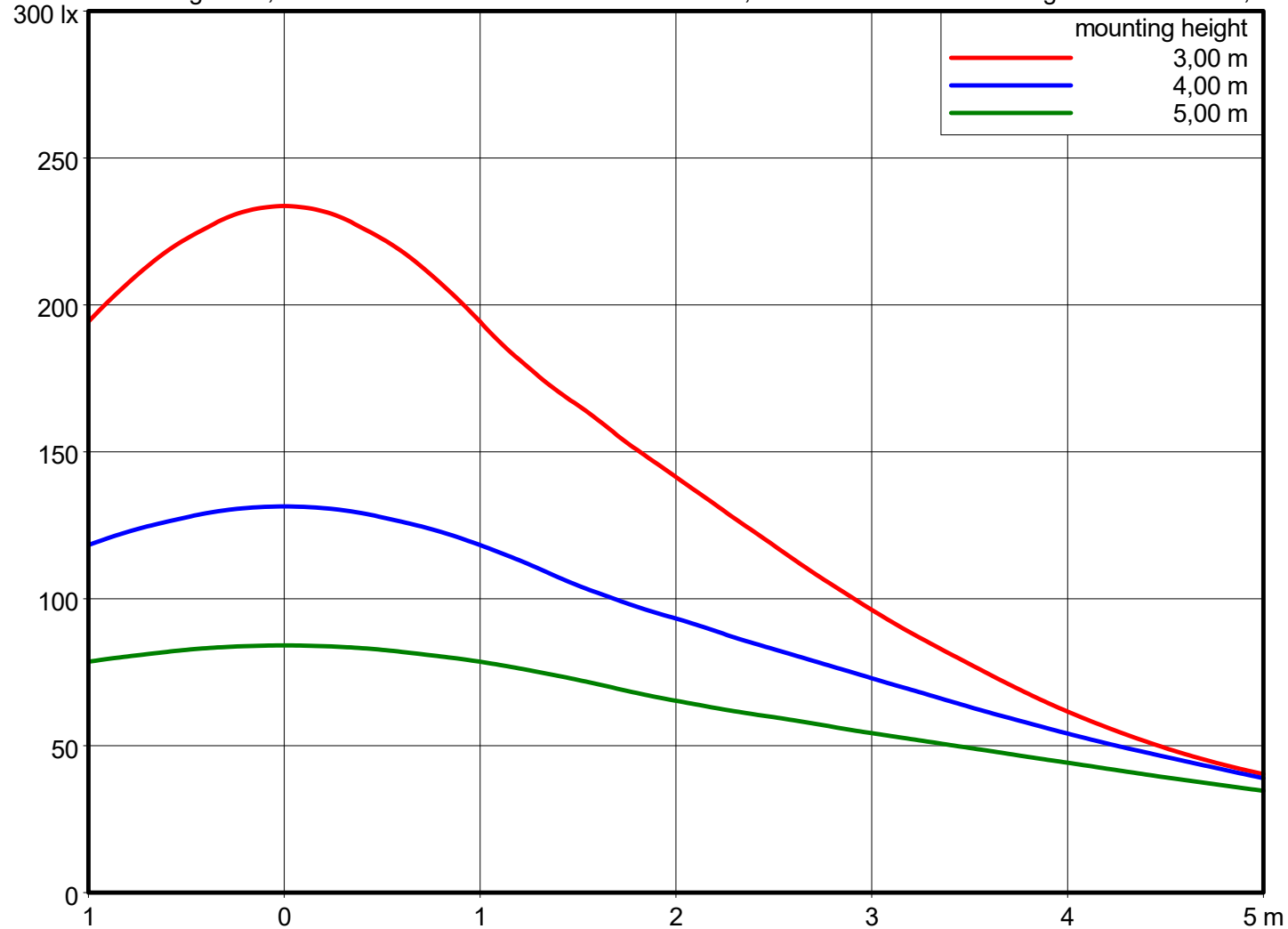
lamp(s)
1 x LED
total flux
11234 lm
LOR
100 %
tilt angle
0,0°



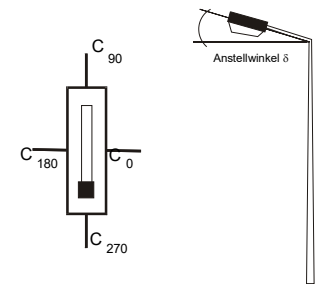
tilt angle : 0,0°
swivel angle : 0,0°

orientation : 0,0°

light loss factor : 0,8



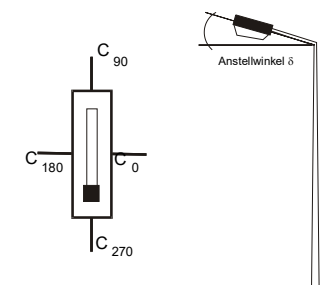
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0,0°



utilization factors η_B for LVLEDOS

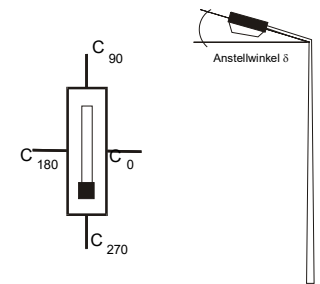
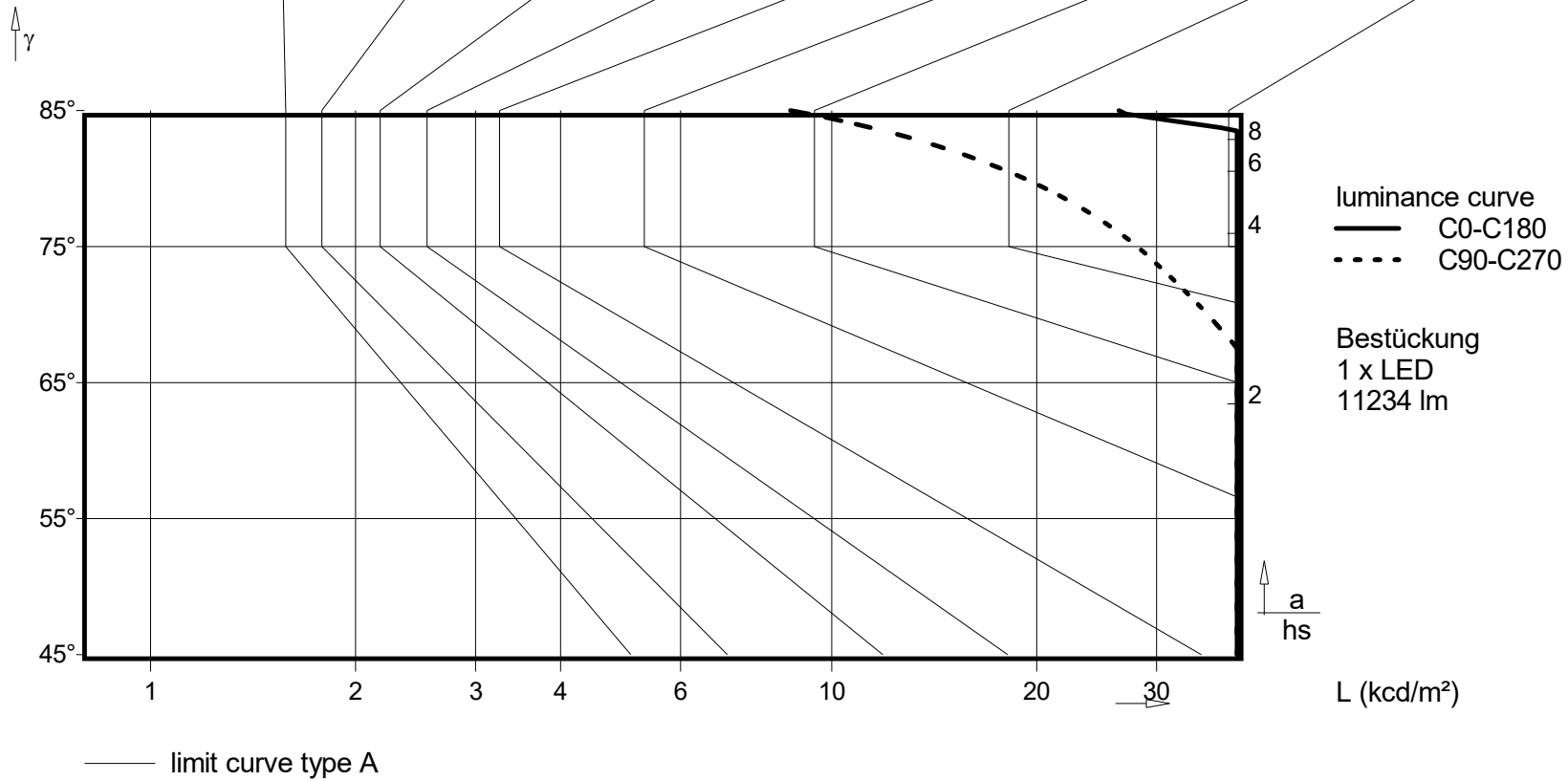
ρ -ceiling		70	80	80	80	50	50	30	0
ρ -walls		30	80	50	30	50	30	30	0
ρ -floor		20	10	10	10	10	10	10	0
k	0.6	28	61	37	28	35	27	27	20
	0.8	37	69	46	37	44	36	35	27
	1.0	44	75	53	44	50	42	41	33
	1.25	53	80	61	52	58	50	49	41
	1.5	59	85	67	58	63	56	55	47
	2.0	69	90	75	67	71	65	63	56
	2.5	77	93	81	74	77	72	70	63
	3.0	83	96	86	80	82	77	76	69
	4.0	89	99	91	86	87	83	81	75
	5.0	94	101	94	90	90	87	85	80

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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	

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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	34.7	36.2	35.0	36.5	36.7	29.4	30.9	29.7	31.2	31.4
	3H	37.9	39.2	38.2	39.5	39.8	29.5	30.9	29.9	31.2	31.4
	4H	39.0	40.2	39.3	40.5	40.8	29.5	30.8	29.9	31.1	31.4
	6H	39.3	40.4	39.6	40.7	41.1	29.5	30.7	29.9	31.0	31.3
	8H	39.2	40.4	39.6	40.7	41.0	29.5	30.6	29.9	31.0	31.3
	12H	39.2	40.3	39.6	40.6	41.0	29.5	30.6	29.9	30.9	31.2
4H	2H	35.0	36.2	35.3	36.5	36.8	31.8	33.1	32.2	33.4	33.7
	3H	38.6	39.7	39.0	40.0	40.4	31.9	33.0	32.3	33.3	33.7
	4H	40.0	41.0	40.4	41.3	41.7	31.9	32.9	32.3	33.2	33.6
	6H	40.4	41.3	40.8	41.7	42.1	31.9	32.7	32.3	33.1	33.5
	8H	40.4	41.2	40.8	41.6	42.0	31.9	32.7	32.3	33.1	33.5
	12H	40.4	41.1	40.8	41.5	42.0	31.8	32.6	32.3	33.0	33.4
8H	4H	39.9	40.7	40.3	41.1	41.5	33.5	34.3	33.9	34.7	35.1
	6H	40.4	41.1	40.9	41.5	41.9	33.5	34.1	33.9	34.6	35.0
	8H	40.4	41.0	40.9	41.4	41.9	33.5	34.0	33.9	34.5	35.0
	12H	40.4	40.9	40.9	41.4	41.9	33.4	33.9	33.9	34.4	34.9
12H	4H	39.9	40.6	40.3	41.0	41.5	33.6	34.3	34.1	34.7	35.2
	6H	40.4	40.9	40.8	41.4	41.9	33.6	34.2	34.1	34.6	35.1
	8H	40.4	40.9	40.9	41.4	41.8	33.6	34.1	34.1	34.6	35.1
variation of observer position											
S =	1.0H	+0.1 / -0.1				+1.0 / -1.1					
	1.5H	+0.6 / -0.8				+1.8 / -3.3					
	2.0H	+1.5 / -1.3				+2.8 / -5.9					
standard-table	---					---					
correction	---					---					
corrected glare indices for 11234lm total flux											

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0,0 °

