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## TONS DG-9921RL(ZHT-C29-15D) / UGR-Table

Luminaire: TONS DG-9921RL(ZHT-C29-15D)

Lamps: 1 x LUMINUS CXM-4-30-90-36-TE60-F7-2 150mA

Glare Evaluation According to UGR											
$\rho$ Ceiling		70	70	50	50	30	70	70	50	50	30
$\rho$ Walls		50	30	50	30	30	50	30	50	30	30
$\rho$ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X                  Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	-0.3	0.3	-0.1	0.5	0.7	-0.3	0.3	-0.1	0.5	0.7
	3H	-0.4	0.1	-0.2	0.4	0.6	-0.4	0.1	-0.2	0.4	0.6
	4H	-0.5	0.0	-0.2	0.3	0.5	-0.5	0.0	-0.2	0.3	0.5
	6H	-0.6	-0.1	-0.3	0.2	0.5	-0.6	-0.1	-0.3	0.2	0.5
	8H	-0.6	-0.1	-0.3	0.1	0.4	-0.6	-0.1	-0.3	0.1	0.4
	12H	-0.7	-0.2	-0.3	0.1	0.4	-0.7	-0.2	-0.3	0.1	0.4
4H	2H	-0.5	0.0	-0.2	0.3	0.5	-0.5	0.0	-0.2	0.3	0.5
	3H	-0.7	-0.2	-0.3	0.1	0.4	-0.7	-0.2	-0.3	0.1	0.4
	4H	-0.7	-0.3	-0.4	-0.0	0.3	-0.7	-0.3	-0.4	-0.0	0.3
	6H	-0.8	-0.5	-0.4	-0.1	0.2	-0.8	-0.5	-0.4	-0.1	0.2
	8H	-0.9	-0.6	-0.4	-0.2	0.2	-0.9	-0.6	-0.4	-0.2	0.2
	12H	-0.9	-0.6	-0.5	-0.3	0.2	-0.9	-0.6	-0.5	-0.3	0.2
8H	4H	-0.9	-0.6	-0.4	-0.2	0.2	-0.9	-0.6	-0.4	-0.2	0.2
	6H	-0.9	-0.7	-0.5	-0.3	0.1	-0.9	-0.7	-0.5	-0.3	0.1
	8H	-1.0	-0.8	-0.5	-0.4	0.1	-1.0	-0.8	-0.5	-0.4	0.1
	12H	-1.0	-0.9	-0.6	-0.4	0.1	-1.0	-0.9	-0.6	-0.4	0.1
12H	4H	-0.9	-0.6	-0.5	-0.3	0.2	-0.9	-0.6	-0.5	-0.3	0.2
	6H	-1.0	-0.8	-0.5	-0.4	0.1	-1.0	-0.8	-0.5	-0.4	0.1
	8H	-1.0	-0.9	-0.6	-0.4	0.1	-1.0	-0.9	-0.6	-0.4	0.1
Variation of the observer position for the luminaire distances S											
S = 1.0H		+4.4 / -16.4					+4.4 / -16.4				
S = 1.5H		+7.2 / -27.5					+7.2 / -27.5				
S = 2.0H		+9.2 / -28.6					+9.2 / -28.6				
Standard table		BK00					BK00				
Correction Summand		-20.8					-20.8				
Corrected Glare Indices referring to 584lm Total Luminous Flux											

The UGR values have been calculated according to CIE Publ. 117    Spacing-to-Height-Ratio = 0.25.