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## Eco Solutions Nederland BV Ecosol LED triproof 105 watt / UGR-Table

Luminaire: Eco Solutions Nederland BV Ecosol LED triproof 105 watt  
Lamps: 1 x LED

<b>Glare Evaluation According to UGR</b>											
$\rho$ 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	23.2	24.4	23.6	24.8	25.2	22.4	23.7	22.8	24.0	24.5
	3H	25.1	26.2	25.5	26.6	27.1	23.8	24.9	24.2	25.4	25.8
	4H	25.9	27.0	26.4	27.5	27.9	24.3	25.4	24.8	25.8	26.3
	6H	26.8	27.8	27.2	28.2	28.7	24.6	25.6	25.1	26.1	26.6
	8H	27.1	28.1	27.6	28.6	29.1	24.7	25.6	25.2	26.1	26.6
	12H	27.4	28.4	27.9	28.9	29.4	24.7	25.6	25.2	26.1	26.6
4H	2H	23.8	24.9	24.2	25.3	25.8	23.1	24.2	23.6	24.7	25.1
	3H	25.9	26.8	26.4	27.3	27.8	24.7	25.7	25.2	26.2	26.7
	4H	26.9	27.7	27.4	28.2	28.8	25.4	26.2	25.9	26.7	27.3
	6H	27.9	28.6	28.4	29.2	29.7	25.8	26.6	26.4	27.1	27.7
	8H	28.3	29.0	28.9	29.6	30.2	25.9	26.6	26.5	27.2	27.8
	12H	28.8	29.4	29.3	29.9	30.6	26.0	26.6	26.6	27.2	27.8
8H	4H	27.2	27.9	27.7	28.4	29.0	25.9	26.5	26.4	27.1	27.7
	6H	28.3	28.9	28.9	29.5	30.1	26.5	27.1	27.1	27.6	28.3
	8H	28.9	29.4	29.5	30.0	30.7	26.7	27.2	27.3	27.8	28.5
	12H	29.5	30.0	30.1	30.6	31.3	26.8	27.3	27.4	27.9	28.5
12H	4H	27.2	27.8	27.8	28.4	29.0	25.9	26.6	26.5	27.1	27.7
	6H	28.4	28.9	29.0	29.5	30.2	26.7	27.2	27.3	27.8	28.4
	8H	29.1	29.5	29.7	30.1	30.8	26.9	27.4	27.6	28.0	28.7
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.2					+0.2 / -0.3				
S = 2.0H		+0.3 / -0.5					+0.4 / -0.7				
Standard table		BK08					BK06				
Correction Summand		12.6					9.8				
Corrected Glare Indices referring to 14428lm Total Luminous Flux											

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