

Project 1

OliNo Energy BV

 Operator Marcel van der Steen
 Telephone
 Fax
 e-Mail

Econe EC905-830-002-10 Led tube T8 60 cm / UGR-Table

 Luminaire: Econe EC905-830-002-10 Led tube T8 60 cm
 Lamps: 144 x LED

Glare Evaluation According 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		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	20.8	22.1	21.2	22.5	22.9	20.4	21.7	20.8	22.1	22.5
	3H	22.9	24.1	23.4	24.5	25.0	22.1	23.2	22.6	23.7	24.2
	4H	23.8	24.9	24.3	25.4	25.9	22.7	23.8	23.2	24.2	24.7
	6H	24.7	25.7	25.2	26.2	26.8	23.1	24.1	23.6	24.6	25.1
	8H	25.1	26.1	25.7	26.6	27.2	23.2	24.2	23.7	24.7	25.2
	12H	25.5	26.5	26.1	27.0	27.5	23.2	24.2	23.8	24.7	25.2
4H	2H	21.3	22.4	21.8	22.9	23.4	21.0	22.1	21.5	22.6	23.1
	3H	23.7	24.6	24.2	25.1	25.7	22.9	23.9	23.4	24.4	24.9
	4H	24.8	25.6	25.3	26.1	26.7	23.7	24.5	24.2	25.0	25.6
	6H	25.9	26.6	26.4	27.2	27.8	24.2	24.9	24.8	25.5	26.1
	8H	26.4	27.1	27.0	27.6	28.3	24.4	25.0	24.9	25.6	26.2
	12H	26.9	27.5	27.5	28.1	28.7	24.4	25.1	25.0	25.7	26.3
8H	4H	25.1	25.8	25.7	26.3	27.0	24.1	24.8	24.7	25.4	26.0
	6H	26.4	27.0	27.0	27.6	28.2	24.9	25.5	25.5	26.0	26.7
	8H	27.0	27.6	27.7	28.2	28.9	25.2	25.7	25.8	26.3	27.0
	12H	27.7	28.2	28.4	28.8	29.5	25.3	25.8	26.0	26.4	27.1
12H	4H	25.1	25.7	25.7	26.3	27.0	24.2	24.9	24.8	25.4	26.1
	6H	26.5	27.0	27.1	27.6	28.3	25.1	25.6	25.7	26.2	26.9
	8H	27.2	27.6	27.9	28.3	29.0	25.4	25.9	26.1	26.5	27.2
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 / -0.5				
Standard table		BK09					BK06				
Correction Summand		11.3					8.5				
Corrected Glare Indices referring to 921lm Total Luminous Flux											

The UGR values have been calculated according to CIE Publ. 117 Spacing-to-Height-Ratio = 1.00.