

## Print One Fitting Clearvision\_3.DBX (11/09/2003)

### I - ITVD6.318/SP

#### General Information

		Manufacturer	Clearvision
Description		Recessed 3 x 18watt IP65 luminaire	
Distribution	Tubular		
Lamps	3	Photometric Type	Type 1
Luminaire Type	Recessed	Characteristics	Enclosed
DLOR	0.521	LOR	0.521
Width	0.60 m	Ballast Lumen	1
Length	0.60 m	Input Power	54.00 W
Height	0.15 m	Input VA	54.00
Design Attitude	0 °		
Glare Shape	100 - Not Applicable		
Luminous Area Side	0 m <sup>2</sup>	Luminous Area End	0 m <sup>2</sup>
Luminous Area Base	0.36 m <sup>2</sup>	Length For Glare	600 mm
SHR Maximum	1.4	SHR Nominal	1.25
SHR Transverse	1.45	Dimming Available	No
Emerg. Design Lumens	10.00	Fend / F5 Factor	0.80

#### Correction Factors

Length mm	Type	Nominal W	Corr. Factor	Cost (£)
600	38mm	18	1.00	---
---	16mm	---	1.00	---

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### Glare Indices

Uncorrected Glare Indices											
Ceiling Reflectance	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	
Wall Reflectance	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	
Floor Cavity Reflectance	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
Room Dimension		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	8.6	10.5	9.1	10.9	11.3	8.2	10.1	8.7	10.5	10.9
	3H	10.5	12.1	11.0	12.6	13.0	10.0	11.7	10.5	12.1	12.5
	4H	11.2	12.8	11.7	13.2	13.7	10.6	12.2	11.1	12.6	13.1
	6H	11.9	13.3	12.4	13.7	14.2	11.1	12.5	11.6	12.9	13.4
	8H	12.1	13.4	12.6	13.9	14.4	11.1	12.5	11.7	13.0	13.5
	12H	12.2	13.5	12.7	14.0	14.5	11.2	12.5	11.7	13.0	13.5
4H	2H	9.4	10.9	9.9	11.4	11.8	9.1	10.6	9.6	11.1	11.5
	3H	11.5	12.8	12.0	13.3	13.8	11.2	12.5	11.7	12.9	13.5
	4H	12.4	13.5	12.9	14.1	14.6	12.0	13.1	12.5	13.6	14.2
	6H	13.1	14.1	13.7	14.7	15.2	12.5	13.5	13.0	14.0	14.6
	8H	13.4	14.3	14.0	14.9	15.5	12.6	13.6	13.2	14.1	14.7
	12H	13.6	14.5	14.2	15.0	15.7	12.8	13.6	13.4	14.2	14.8
8H	4H	12.8	13.7	13.4	14.3	14.9	12.4	13.4	13.0	13.9	14.5
	6H	13.6	14.4	14.2	15.0	15.6	13.0	13.8	13.7	14.4	15.0
	8H	14.0	14.7	14.7	15.3	16.0	13.4	14.1	14.0	14.7	15.3
	12H	14.3	14.9	15.0	15.5	16.2	13.6	14.2	14.2	14.8	15.4
12H	4H	12.8	13.7	13.4	14.3	14.9	12.5	13.4	13.1	13.9	14.5
	6H	13.7	14.4	14.4	15.1	15.7	13.2	13.9	13.9	14.5	15.2
	8H	14.1	14.7	14.8	15.4	16.0	13.5	14.1	14.2	14.8	15.4

Calculated in accordance with CIBSE Technical Memorandum No. 10, 1985.

### Utilisation Factors

Utilisation Factors UF(F) Standard Presentation										SHR NOM = 1.25	
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.33	0.38	0.42	0.44	0.48	0.50	0.52	0.54	0.55
	0.30		0.29	0.35	0.38	0.41	0.45	0.47	0.49	0.52	0.53
	0.10		0.27	0.32	0.36	0.39	0.43	0.45	0.47	0.50	0.52
0.50	0.50	0.20	0.32	0.37	0.41	0.43	0.46	0.48	0.50	0.52	0.53
	0.30		0.29	0.34	0.38	0.40	0.44	0.46	0.48	0.50	0.51
	0.10		0.27	0.32	0.35	0.38	0.42	0.44	0.46	0.49	0.50
0.30	0.50	0.20	0.32	0.36	0.39	0.42	0.45	0.47	0.48	0.50	0.51
	0.30		0.29	0.33	0.37	0.39	0.43	0.45	0.46	0.48	0.50
	0.10		0.26	0.31	0.35	0.37	0.41	0.43	0.45	0.47	0.49
0.00	0.00	0.00	0.25	0.30	0.34	0.36	0.39	0.41	0.43	0.45	0.46

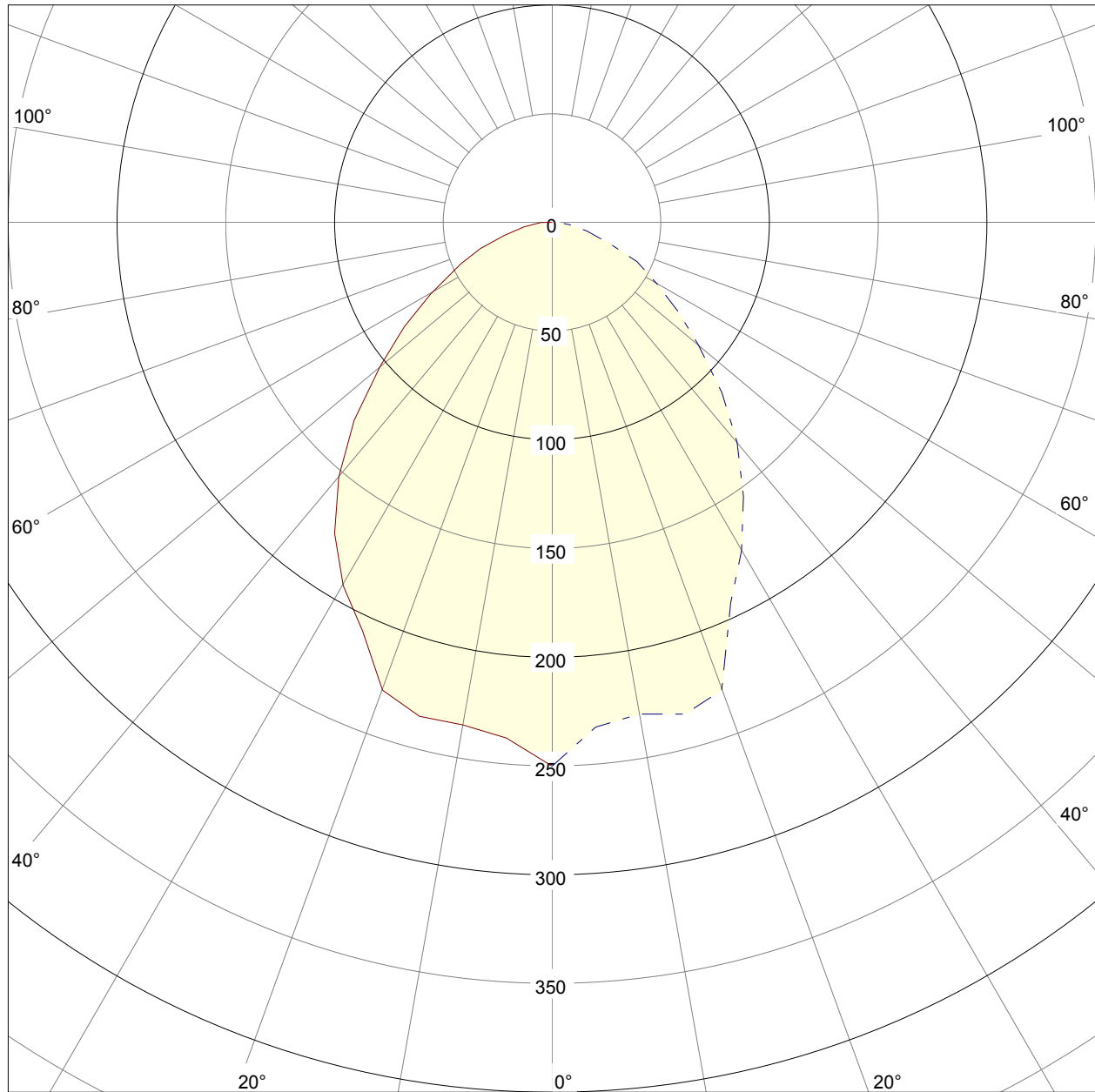
Rating: Photometrically tested with/without ceiling board.

Multiply UF values by service correction factors.

Calculated in accordance with CIBSE Technical Memorandum No. 5, 1980.

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## Polar Curves



— Transverse  
- - - Axial

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### Intensities (Candelas / 1000 lm)

Vertical Angles	Horizontal Angles			
	0°	30°	60°	90°
0°	250.0	250.0	250.0	250.0
5°	238.0	237.0	236.0	233.0
10°	235.0	232.0	231.0	229.0
15°	235.0	234.0	232.0	234.0
20°	229.0	228.0	229.0	229.0
25°	207.0	201.0	201.0	193.0
30°	193.0	186.0	185.0	174.0
35°	175.0	167.0	166.0	154.0
40°	153.0	145.0	145.0	132.0
45°	129.0	123.0	122.0	111.0
50°	103.0	98.0	97.0	87.0
55°	83.0	80.0	79.0	71.0
60°	65.0	62.0	63.0	56.0
65°	46.0	46.0	46.0	43.0
70°	35.0	32.0	33.0	29.0
75°	23.0	20.0	21.0	17.0
80°	13.0	10.0	10.0	8.0
85°	5.0	4.0	4.0	3.0
90°	1.0	1.0	1.0	---