10.04.2018

GlacialTech Inc.
http://www.glaciallight.com
7F, No.352, Sec. 2, Zhongshan Rd.,Zhonghe Dist., New Taipei City,Taiwan, 235, R.O.C.

Operator GlacialLight R&D Department
Telephone +886 2 2244-1227
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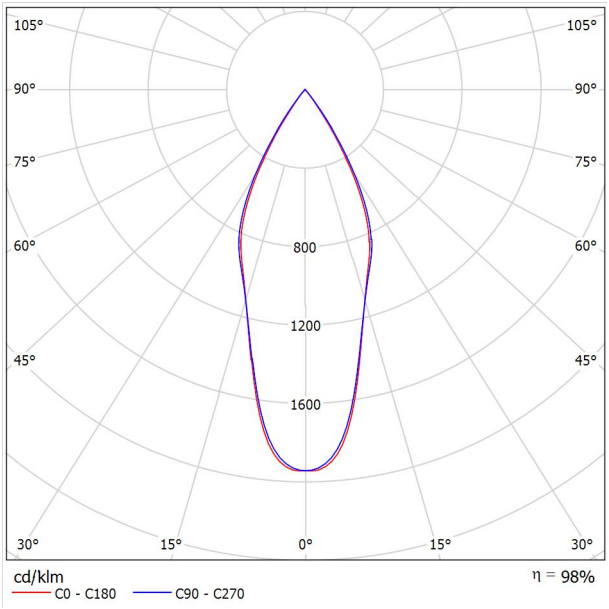
e-Mail sales@GlacialLight.com

GlacialLight GL-BL300-CW-5000K-70D Lens+Lux enhancer / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 99 100 100 100 98

Luminous emittance 1:

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	14.8	15.5	15.1	15.7	15.9	15.9	16.5	16.1	16.7	16.9
	3H	14.7	15.3	15.0	15.5	15.8	15.7	16.3	16.0	16.6	16.8
	4H	14.7	15.2	14.9	15.5	15.7	15.7	16.2	16.0	16.5	16.7
	6H	14.6	15.1	14.9	15.4	15.6	15.6	16.1	15.9	16.4	16.7
	8H	14.5	15.0	14.9	15.3	15.6	15.6	16.1	15.9	16.3	16.6
	12H	14.5	15.0	14.8	15.3	15.6	15.5	16.0	15.9	16.3	16.6
4H	2H	14.6	15.2	14.9	15.4	15.7	15.7	16.2	16.0	16.5	16.7
	3H	14.5	15.0	14.9	15.3	15.6	15.5	16.0	15.9	16.3	16.6
	4H	14.4	14.8	14.8	15.2	15.5	15.5	15.9	15.8	16.2	16.5
	6H	14.4	14.7	14.8	15.0	15.4	15.4	15.7	15.8	16.1	16.5
	8H	14.3	14.6	14.7	15.0	15.4	15.4	15.6	15.8	16.0	16.4
	12H	14.3	14.5	14.7	14.9	15.3	15.3	15.6	15.7	16.0	16.4
8H	4H	14.3	14.6	14.7	15.0	15.4	15.4	15.6	15.8	16.0	16.4
	6H	14.2	14.5	14.7	14.9	15.3	15.3	15.5	15.7	15.9	16.3
	8H	14.2	14.4	14.7	14.8	15.3	15.2	15.4	15.7	15.8	16.3
	12H	14.1	14.3	14.6	14.7	15.2	15.2	15.3	15.7	15.8	16.3
12H	4H	14.3	14.5	14.7	14.9	15.3	15.3	15.6	15.7	16.0	16.4
	6H	14.2	14.4	14.7	14.8	15.3	15.2	15.4	15.7	15.8	16.3
	8H	14.1	14.3	14.6	14.7	15.2	15.2	15.3	15.7	15.8	16.3
Variation of the observer position for the luminaire distances S											
S = 1.0H		+6.5 / -14.0					+6.5 / -16.2				
S = 1.5H		+9.3 / -18.6					+9.3 / -17.4				
S = 2.0H		+11.3 / -19.5					+11.3 / -18.1				
Standard table		BK00					BK00				
Correction Summand		-3.9					-2.9				
Corrected Glare Indices referring to 30000lm Total Luminous Flux											

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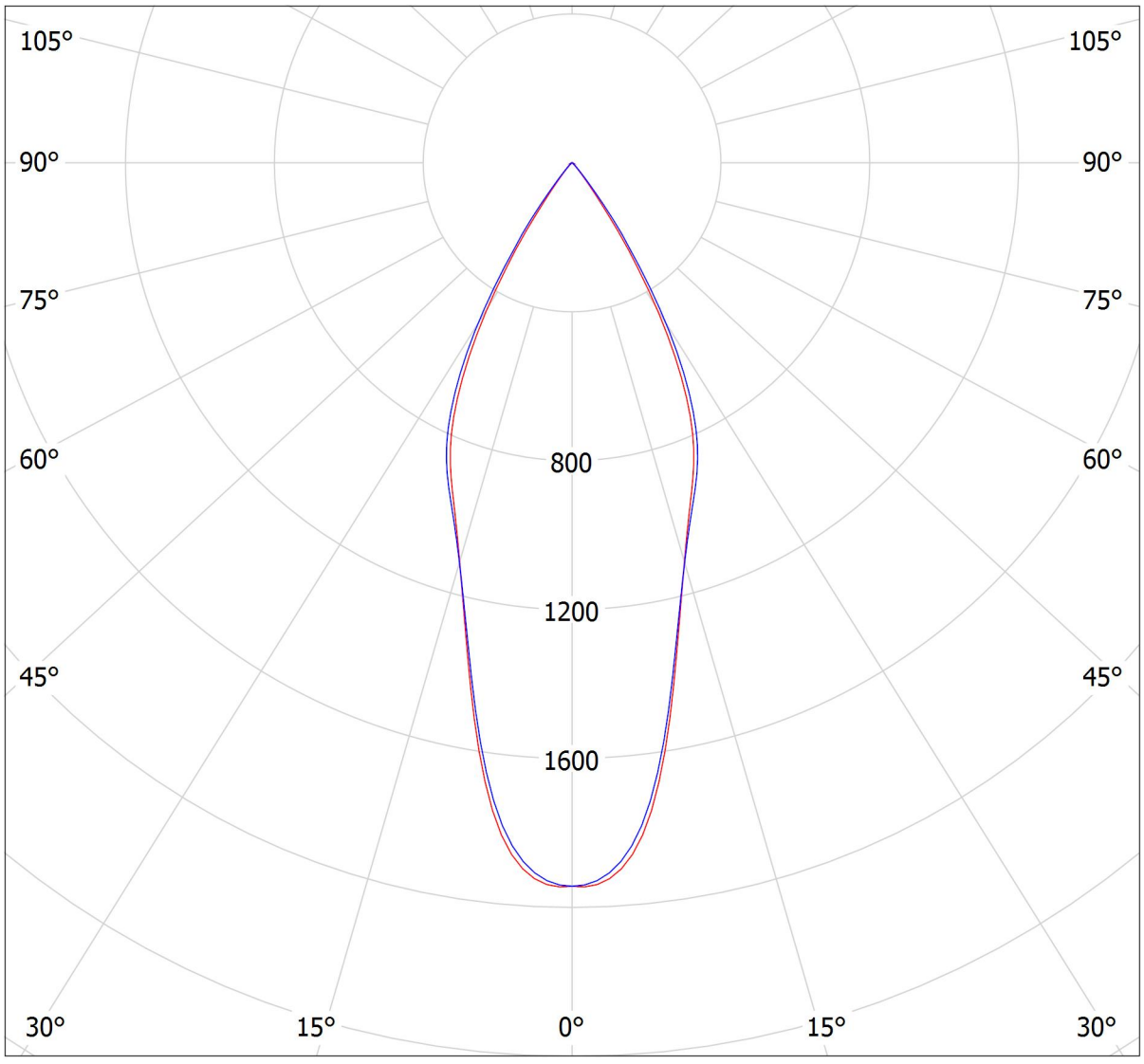
GlacialLight GL-BL300-CW-5000K-70D Lens+Lux enhancer / LDC (Polar)

Luminaire: GlacialLight GL-BL300-CW-5000K-70D Lens+Lux enhancer
Lamps: 1 x Bay Light



cd/klm

η = 98%

C0 - C180 C90 - C270

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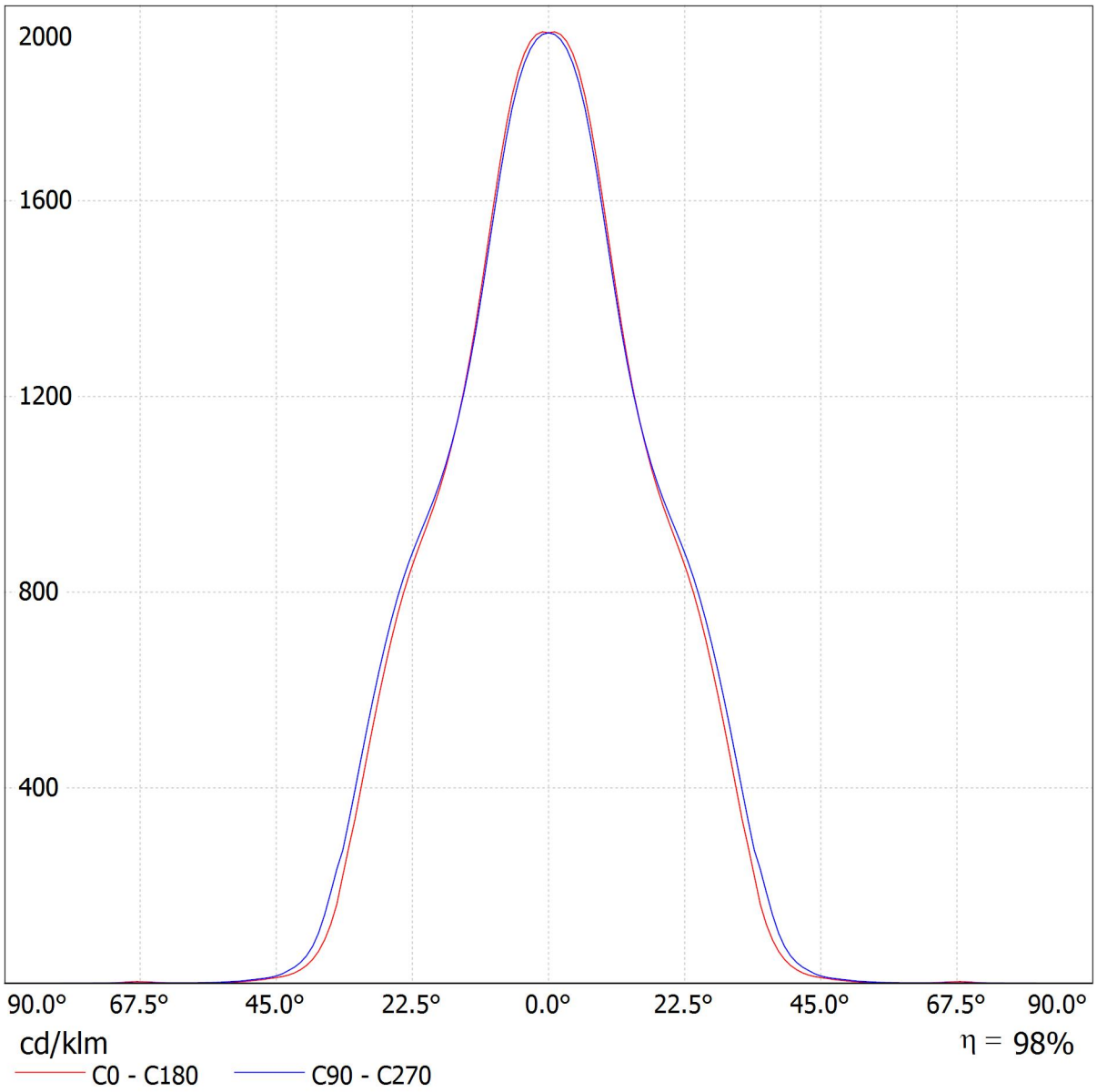
GlacialLight GL-BL300-CW-5000K-70D Lens+Lux enhancer / LDC (Linear)

Luminaire: GlacialLight GL-BL300-CW-5000K-70D Lens+Lux enhancer
Lamps: 1 x Bay Light



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GlacialLight GL-BL300-CW-5000K-70D Lens+Lux enhancer / UGR-Table

Luminaire: GlacialLight GL-BL300-CW-5000K-70D Lens+Lux enhancer
Lamps: 1 x Bay Light

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	14.8	15.5	15.1	15.7	15.9	15.9	16.5	16.1	16.7	16.9
	3H	14.7	15.3	15.0	15.5	15.8	15.7	16.3	16.0	16.6	16.8
	4H	14.7	15.2	14.9	15.5	15.7	15.7	16.2	16.0	16.5	16.7
	6H	14.6	15.1	14.9	15.4	15.6	15.6	16.1	15.9	16.4	16.7
	8H	14.5	15.0	14.9	15.3	15.6	15.6	16.1	15.9	16.3	16.6
	12H	14.5	15.0	14.8	15.3	15.6	15.5	16.0	15.9	16.3	16.6
4H	2H	14.6	15.2	14.9	15.4	15.7	15.7	16.2	16.0	16.5	16.7
	3H	14.5	15.0	14.9	15.3	15.6	15.5	16.0	15.9	16.3	16.6
	4H	14.4	14.8	14.8	15.2	15.5	15.5	15.9	15.8	16.2	16.5
	6H	14.4	14.7	14.8	15.0	15.4	15.4	15.7	15.8	16.1	16.5
	8H	14.3	14.6	14.7	15.0	15.4	15.4	15.6	15.8	16.0	16.4
	12H	14.3	14.5	14.7	14.9	15.3	15.3	15.6	15.7	16.0	16.4
8H	4H	14.3	14.6	14.7	15.0	15.4	15.4	15.6	15.8	16.0	16.4
	6H	14.2	14.5	14.7	14.9	15.3	15.3	15.5	15.7	15.9	16.3
	8H	14.2	14.4	14.7	14.8	15.3	15.2	15.4	15.7	15.8	16.3
	12H	14.1	14.3	14.6	14.7	15.2	15.2	15.3	15.7	15.8	16.3
12H	4H	14.3	14.5	14.7	14.9	15.3	15.3	15.6	15.7	16.0	16.4
	6H	14.2	14.4	14.7	14.8	15.3	15.2	15.4	15.7	15.8	16.3
	8H	14.1	14.3	14.6	14.7	15.2	15.2	15.3	15.7	15.8	16.3

Variation of the observer position for the luminaire distances S		
S = 1.0H	+6.5 / -14.0	+6.5 / -16.2
S = 1.5H	+9.3 / -18.6	+9.3 / -17.4
S = 2.0H	+11.3 / -19.5	+11.3 / -18.1
Standard table	BK00	BK00
Correction Summand	-3.9	-2.9
Corrected Glare Indices referring to 30000lm Total Luminous Flux		

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

10.04.2018

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Luminaire: GlacialLight GL-BL300-CW-5000K-70D Lens+Lux enhancer

Lamps: 1 x Bay Light

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	14.8	15.5	15.1	15.7	15.9	15.9	16.5	16.1	16.7	16.9
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	3H	14.5	15.0	14.9	15.3	15.6	15.5	16.0	15.9	16.3	16.6
	4H	14.4	14.8	14.8	15.2	15.5	15.5	15.9	15.8	16.2	16.5
	6H	14.4	14.7	14.8	15.0	15.4	15.4	15.7	15.8	16.1	16.5
	8H	14.3	14.6	14.7	15.0	15.4	15.4	15.6	15.8	16.0	16.4
	12H	14.3	14.5	14.7	14.9	15.3	15.3	15.6	15.7	16.0	16.4
8H	4H	14.3	14.6	14.7	15.0	15.4	15.4	15.6	15.8	16.0	16.4
	6H	14.2	14.5	14.7	14.9	15.3	15.3	15.5	15.7	15.9	16.3
	8H	14.2	14.4	14.7	14.8	15.3	15.2	15.4	15.7	15.8	16.3
	12H	14.1	14.3	14.6	14.7	15.2	15.2	15.3	15.7	15.8	16.3
12H	4H	14.3	14.5	14.7	14.9	15.3	15.3	15.6	15.7	16.0	16.4
	6H	14.2	14.4	14.7	14.8	15.3	15.2	15.4	15.7	15.8	16.3
	8H	14.1	14.3	14.6	14.7	15.2	15.2	15.3	15.7	15.8	16.3

Variation of the observer position for the luminaire distances S		
S = 1.0H	+6.5 / -14.0	+6.5 / -16.2
S = 1.5H	+9.3 / -18.6	+9.3 / -17.4
S = 2.0H	+11.3 / -19.5	+11.3 / -18.1
Standard table	BK00	BK00
Correction Summand	-3.9	-2.9
Corrected Glare Indices referring to 30000lm Total Luminous Flux		

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