

Luminaire

Code VDL1b 15W
Name VDL1B 15W

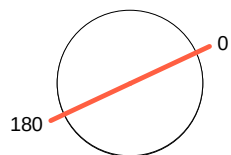
Measurement

Code VDL1b 15W
Name VDL1B 15W

Luminaire Flux	1985.22 lm	Luminaire Power	15.50 W	Efficacy	128.08 lm/W	Efficiency	100.26%
Lamps Flux	1980.00 lm	Maximum value	613.20 cd/klm	Position	C=0.00 G=20.00	CG	Rotosymmetrical
Round Luminaire		Diam.	135 mm	Height	1 mm		
Round Luminous Area		Diam.	135 mm	Height	0 mm		
Horizontal Luminous Area		0.014314 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.003463 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		27-01-2000		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		1980.00 lm	
Operator				Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		CHAL_1980 17C3W		Name CHAL_1980 17C3W		1980.00	15.50	1
C.I.E.	79 98 100 100 100			D DIN 5040		A60		
F UTE	1.00 B			B NBN		BZ 1		

Diam=135mm

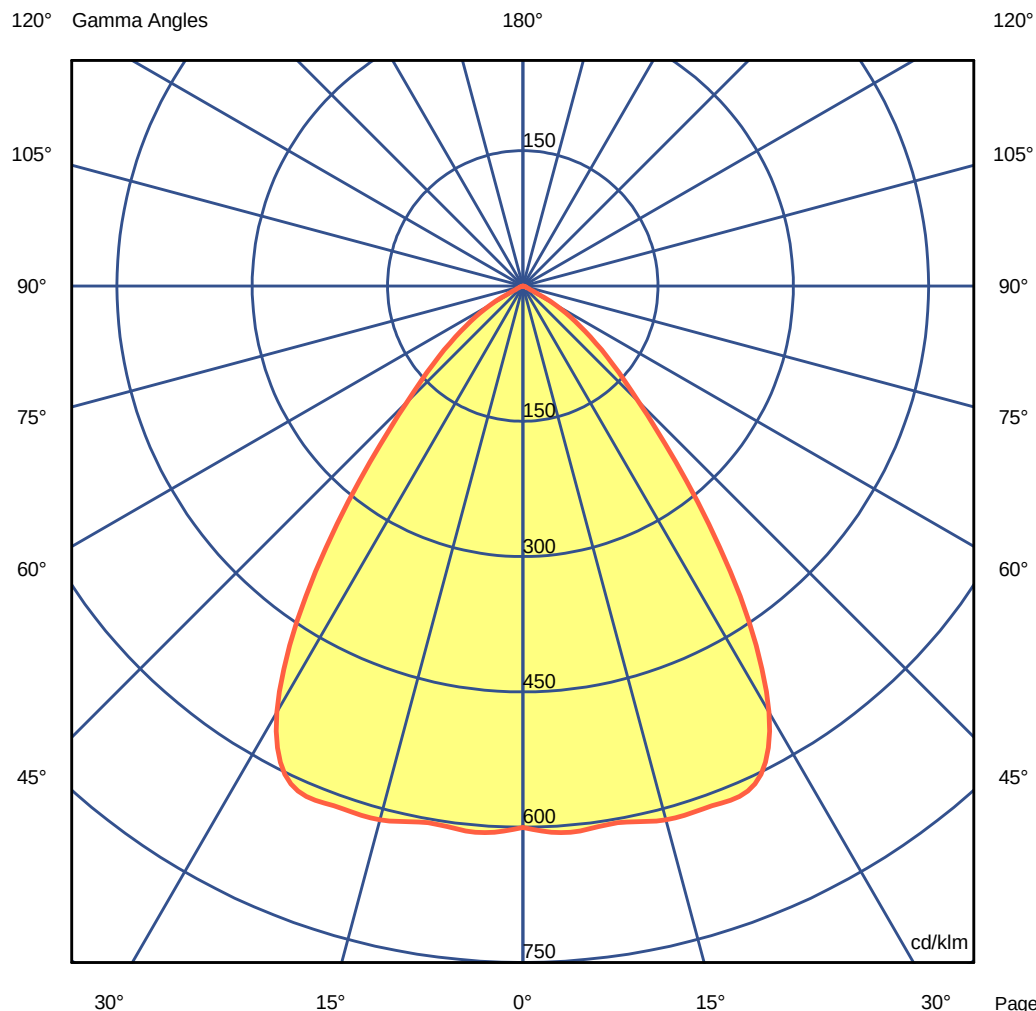


C Halfplanes

180.0 — 0.0

ULOR 0.01 %

DLOR100.26 %



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Measurem.

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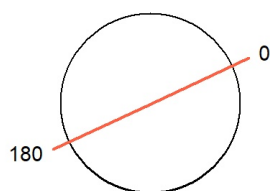
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Lamps Flux	1980.00 lm	Maximum value	613.20 cd/klm	Position	C=0.00 G=20.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 1/1

	C	0.00
	G	0.0
	G	5.0
	G	10.0
	G	15.0
	G	20.0
	G	25.0
	G	30.0
	G	35.0
	G	40.0
	G	45.0
	G	50.0
	G	55.0
	G	60.0
	G	65.0
	G	70.0
	G	75.0
	G	80.0
	G	85.0
	G	90.0
	G	95.0
	G	100.0
	G	105.0
	G	110.0
	G	115.0
	G	120.0
	G	125.0
	G	130.0
	G	135.0
	G	140.0
	G	145.0
	G	150.0
	G	155.0
	G	160.0
	G	165.0
	G	170.0
	G	175.0
	G	180.0

Diam=135mm



C Halfplanes

180.0 — 0.0

Flux 1980.00 lm

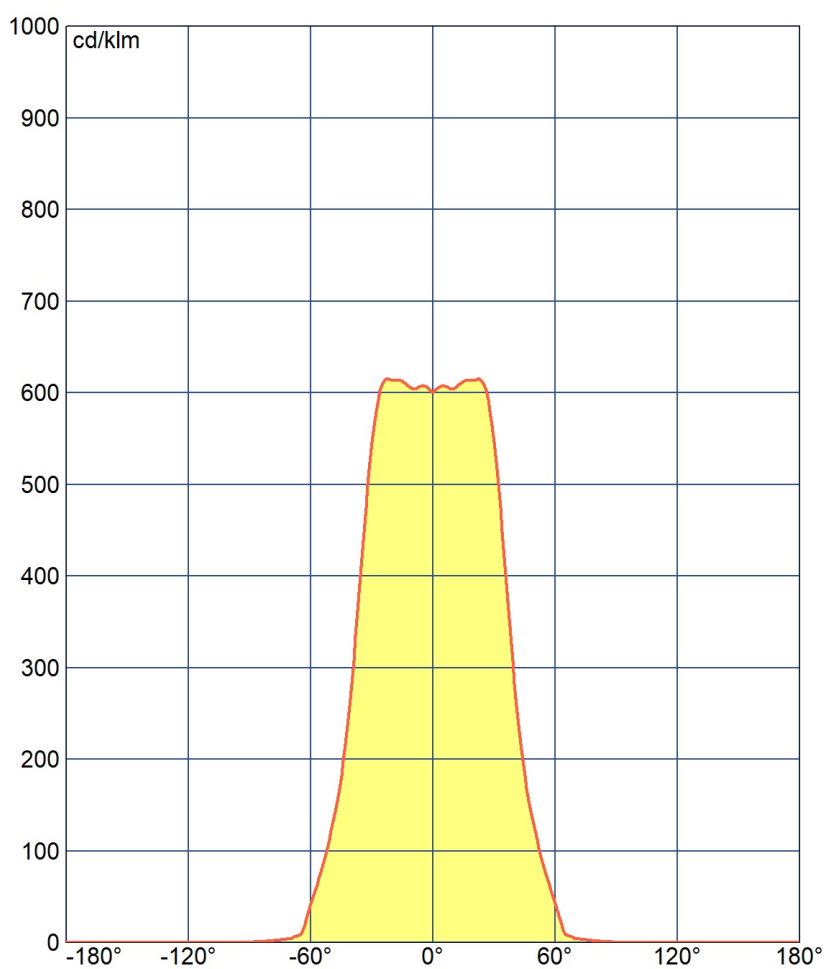
Maximum 613.20 cd/klm

Position C=0.00 G=20.00

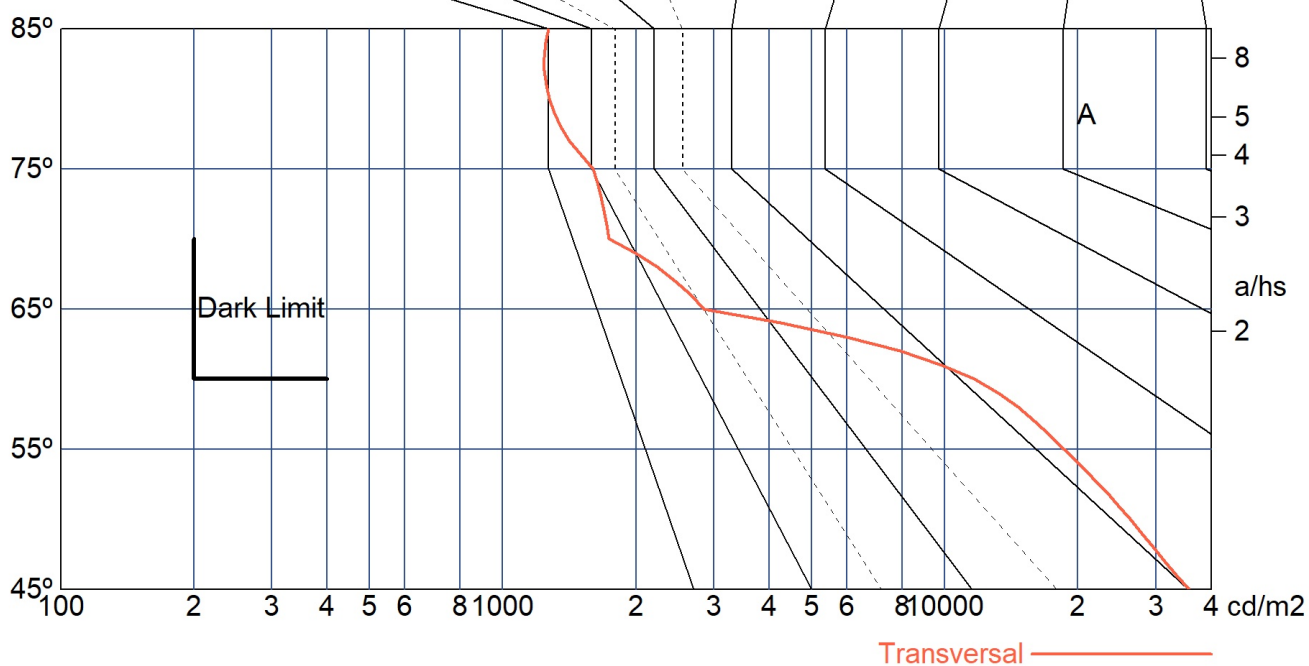
Efficiency: 100.26%

Date: 27-01-2000

Rotosymmetrical



Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



0.5	0.81	E(0°) E(C0)	39.1°	4753 1136
1.0	1.63	E(0°) E(C0)	39.1°	1188 284
1.5	2.44	E(0°) E(C0)	39.1°	528 126
2.0	3.25	E(0°) E(C0)	39.1°	297 71
2.5	4.06	E(0°) E(C0)	39.1°	190 45
3.0	4.88	E(0°) E(C0)	39.1°	132 32

Distance [m]

Cone Diameter [m]

Illuminance [lx]

— C0 - C180 (Half value angle: 78.2°)

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	21.9	22.8	22.1	23.0	23.2	21.9	22.8	22.1	23.0	23.2
	3H	21.8	22.6	22.1	22.8	23.0	21.8	22.6	22.1	22.8	23.0
	4H	21.7	22.4	22.0	22.7	23.0	21.7	22.4	22.0	22.7	23.0
	6H	21.6	22.3	22.0	22.6	22.9	21.6	22.3	22.0	22.6	22.9
	8H	21.6	22.2	21.9	22.5	22.8	21.6	22.2	21.9	22.5	22.8
	12H	21.6	22.2	21.9	22.5	22.8	21.6	22.2	21.9	22.5	22.8
4H	2H	21.8	22.5	22.1	22.8	23.1	21.8	22.5	22.1	22.8	23.1
	3H	21.7	22.3	22.0	22.6	22.9	21.7	22.3	22.0	22.6	22.9
	4H	21.6	22.2	22.0	22.5	22.9	21.6	22.2	22.0	22.5	22.9
	6H	21.6	22.0	22.0	22.4	22.8	21.6	22.0	22.0	22.4	22.8
	8H	21.5	21.9	22.0	22.3	22.7	21.5	21.9	22.0	22.3	22.7
	12H	21.5	21.9	21.9	22.3	22.7	21.5	21.9	21.9	22.3	22.7
8H	4H	21.5	21.9	22.0	22.3	22.7	21.5	21.9	22.0	22.3	22.7
	6H	21.5	21.8	21.9	22.2	22.7	21.5	21.8	21.9	22.2	22.7
	8H	21.4	21.7	21.9	22.1	22.6	21.4	21.7	21.9	22.1	22.6
	12H	21.4	21.6	21.9	22.1	22.6	21.4	21.6	21.9	22.1	22.6
12H	4H	21.5	21.9	21.9	22.3	22.7	21.5	21.9	21.9	22.3	22.7
	6H	21.4	21.7	21.9	22.1	22.6	21.4	21.7	21.9	22.1	22.6
	8H	21.4	21.6	21.9	22.1	22.6	21.4	21.6	21.9	22.1	22.6
Variation of the observerposition for the luminaire distance S											
S = 1.0H	+1.8 / -2.7					+1.8 / -2.7					
S = 1.5H	+3.7 / -7.7					+3.7 / -7.7					
S = 2.0H	+5.7 / -12.3					+5.7 / -12.3					
Standard table	BK00					BK00					
Correction summand	3.4					3.4					
Corrected glare indices referring to 1980lm total luminous flux											