

Luminaire

Code VDL1B 7W

Name VDL1B 7W

Measurem.

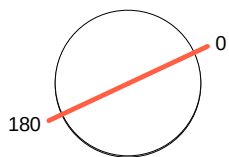
Code VDL1B 7W

Name VDL1B 7W

Luminaire Flux	797.34 lm	Luminaire Power	8.00 W	Efficacy	99.67 lm/W	Efficiency	100.01%
Lamps Flux	797.30 lm	Maximum value	1246.89 cd/klm	Position	C=0.00 G=0.50	CG	Rotosymmetrical
Round Luminaire		Diam.	65 mm	Height	1 mm		
Round Luminous Area		Diam.	65 mm	Height	0 mm		
Horizontal Luminous Area		0.003318 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°		0.000803 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		27-01-2000		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		797.30 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
		VDL1B 7W	Name VDL1B 7W 8.00W 797.30lm		797.30	8.00	1
C.I.E.	96 100 100 100 100		D DIN 5040		A60		
F UTE	1.00 A		B NBN		BZ 1		

Diam=65mm

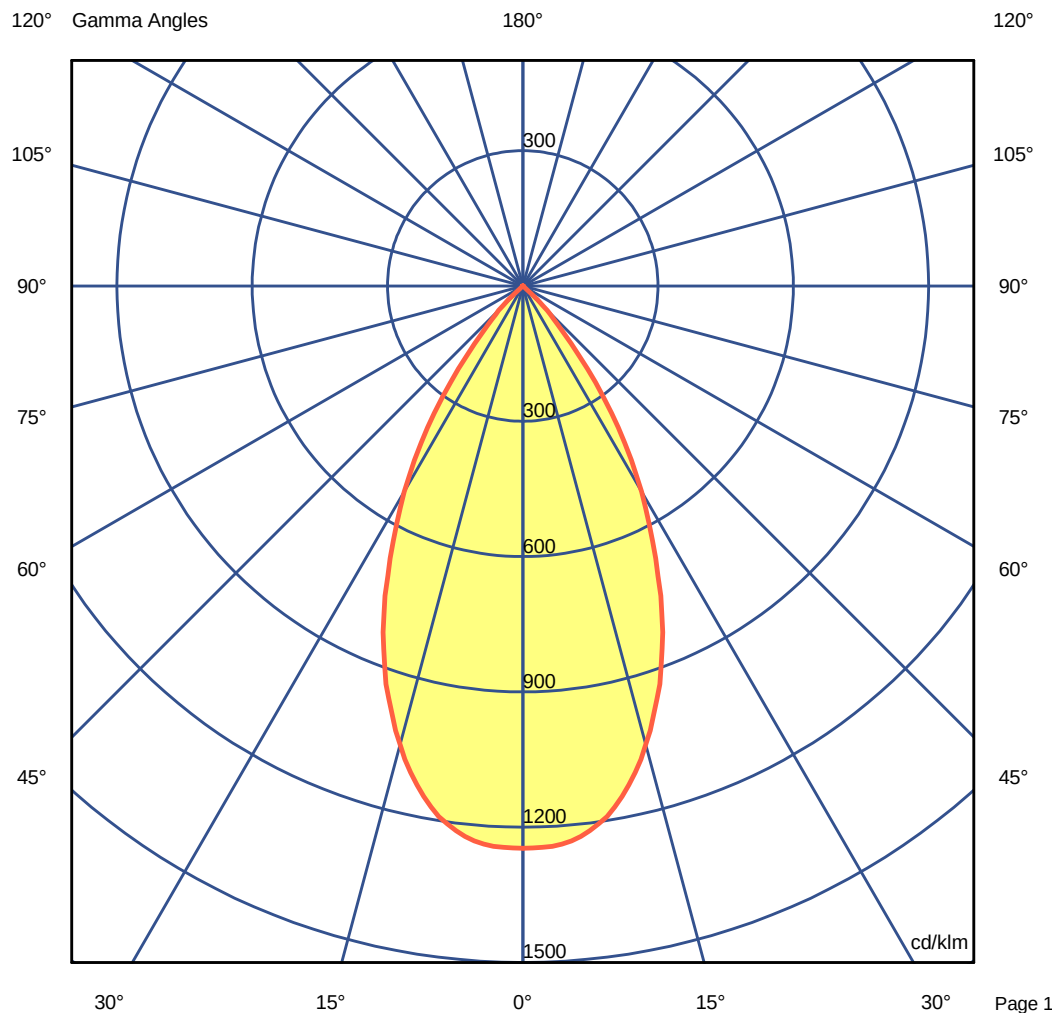


C Halfplanes

180.0 — 0.0

ULOR 0.00 %

DLOR100.01 %



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Measurment

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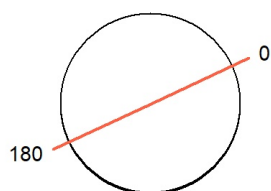
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Lamps Flux	797.30 lm	Maximum value	1246.89 cd/klm	Position	C=0.00 G=0.50	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 1/1

C 0.00		C 0.00		C 0.00		C 0.00	
G 0.0	1246.58	G 23.0	788.24	G 46.0	61.57	G 69.0	0.43
G 0.5	1246.89	G 23.5	770.45	G 46.5	54.18	G 69.5	0.43
G 1.0	1245.84	G 24.0	751.28	G 47.0	44.44	G 70.0	0.56
G 1.5	1245.67	G 24.5	729.82	G 47.5	32.27	G 70.5	0.51
G 2.0	1245.37	G 25.0	708.76	G 48.0	23.10	G 71.0	0.40
G 2.5	1244.96	G 25.5	692.78	G 48.5	13.96	G 71.5	0.49
G 3.0	1244.18	G 26.0	671.73	G 49.0	8.19	G 72.0	0.49
G 3.5	1242.26	G 26.5	650.57	G 49.5	5.64	G 72.5	0.50
G 4.0	1239.99	G 27.0	633.33	G 50.0	3.49	G 73.0	0.39
G 4.5	1238.24	G 27.5	615.15	G 50.5	1.87	G 73.5	0.41
G 5.0	1234.59	G 28.0	594.87	G 51.0	1.17	G 74.0	0.44
G 5.5	1230.56	G 28.5	578.33	G 51.5	1.05	G 74.5	0.51
G 6.0	1227.11	G 29.0	560.75	G 52.0	0.85	G 75.0	0.45
G 6.5	1221.82	G 29.5	540.39	G 52.5	0.85	G 75.5	0.41
G 7.0	1216.24	G 30.0	526.62	G 53.0	0.99	G 76.0	0.55
G 7.5	1210.78	G 30.5	508.47	G 53.5	0.78	G 76.5	0.56
G 8.0	1204.48	G 31.0	488.28	G 54.0	0.79	G 77.0	0.46
G 8.5	1197.44	G 31.5	473.01	G 54.5	0.71	G 77.5	0.51
G 9.0	1191.01	G 32.0	454.49	G 55.0	0.64	G 78.0	0.36
G 9.5	1181.46	G 32.5	436.48	G 55.5	0.50	G 78.5	0.49
G 10.0	1172.68	G 33.0	414.19	G 56.0	0.64	G 79.0	0.46
G 10.5	1162.12	G 33.5	398.23	G 56.5	0.78	G 79.5	0.39
G 11.0	1153.02	G 34.0	378.05	G 57.0	0.53	G 80.0	0.54
G 11.5	1142.14	G 34.5	359.84	G 57.5	0.63	G 80.5	0.45
G 12.0	1130.71	G 35.0	343.21	G 58.0	0.65	G 81.0	0.38
G 12.5	1120.07	G 35.5	323.04	G 58.5	0.51	G 81.5	0.45
G 13.0	1106.69	G 36.0	302.79	G 59.0	0.54	G 82.0	0.39
G 13.5	1093.35	G 36.5	286.38	G 59.5	0.61	G 82.5	0.29
G 14.0	1081.13	G 37.0	267.08	G 60.0	0.51	G 83.0	0.34
G 14.5	1067.45	G 37.5	248.04	G 60.5	0.58	G 83.5	0.43
G 15.0	1051.94	G 38.0	232.66	G 61.0	0.60	G 84.0	0.41
G 15.5	1038.46	G 38.5	214.42	G 61.5	0.50	G 84.5	0.44
G 16.0	1024.73	G 39.0	197.66	G 62.0	0.45	G 85.0	0.39
G 16.5	1008.69	G 39.5	180.70	G 62.5	0.54	G 85.5	0.46
G 17.0	991.60	G 40.0	166.65	G 63.0	0.41	G 86.0	0.53
G 17.5	980.01	G 40.5	151.07	G 63.5	0.51	G 86.5	0.45
G 18.0	961.89	G 41.0	136.98	G 64.0	0.58	G 87.0	0.38
G 18.5	945.23	G 41.5	127.26	G 64.5	0.46	G 87.5	0.46
G 19.0	933.49	G 42.0	116.27	G 65.0	0.51	G 88.0	0.39
G 19.5	912.69	G 42.5	106.46	G 65.5	0.49	G 88.5	0.41
G 20.0	895.33	G 43.0	99.88	G 66.0	0.39	G 89.0	0.48
G 20.5	881.05	G 43.5	93.80	G 66.5	0.44	G 89.5	0.53
G 21.0	861.26	G 44.0	87.35	G 67.0	0.45	G 90.0	0.00
G 21.5	842.87	G 44.5	82.89	G 67.5	0.64		
G 22.0	827.80	G 45.0	76.31	G 68.0	0.53		
G 22.5	807.82	G 45.5	68.34	G 68.5	0.59		

Diam=65mm



C Halfplanes

180.0 — 0.0

Flux 797.30 lm

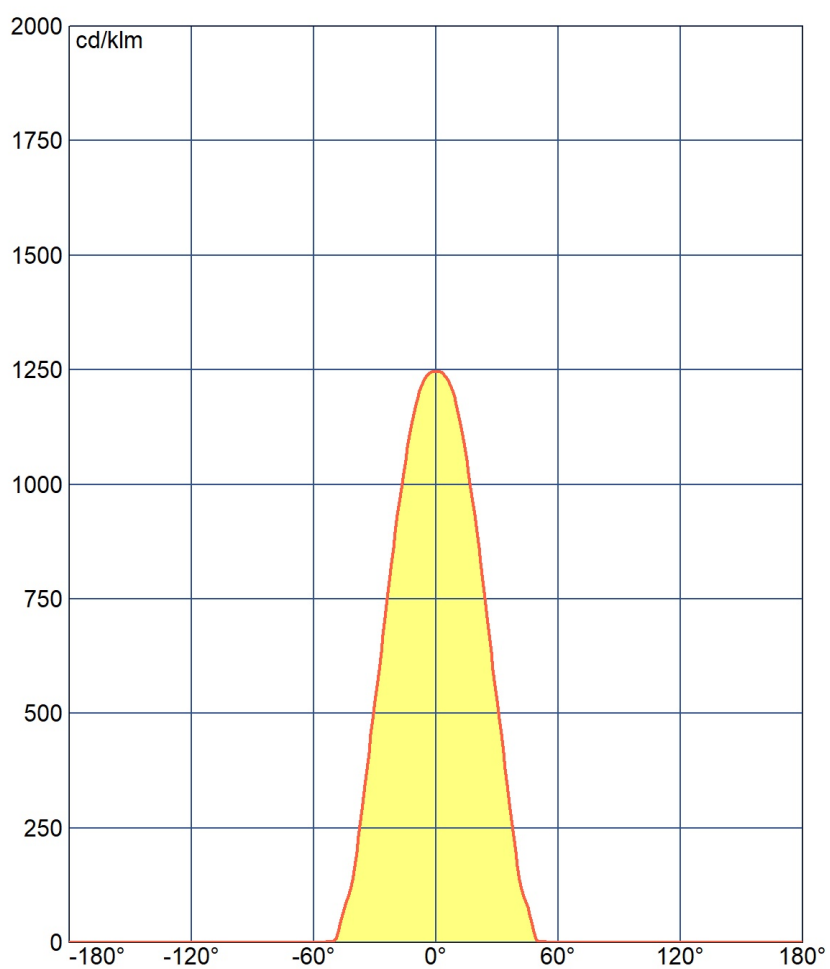
Maximum 1246.89 cd/klm

Position C=0.00 G=0.50

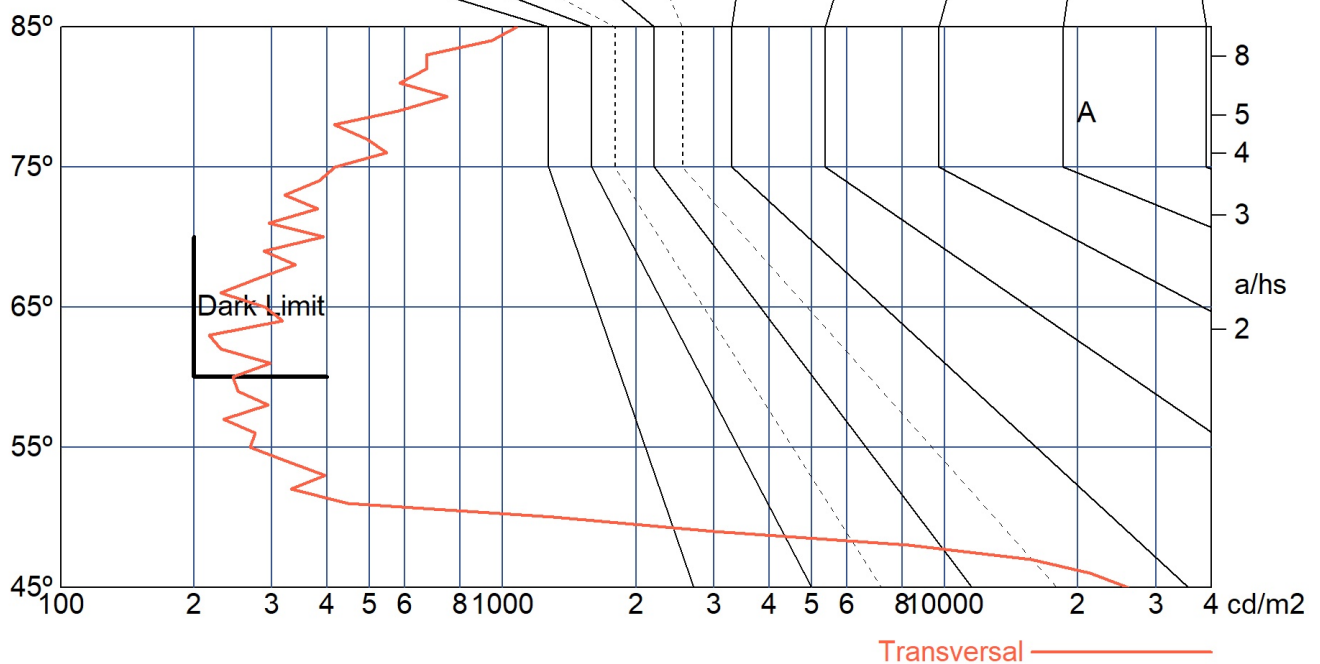
Efficiency: 100.01%

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	0.51	E(0°) E(C0)	27.2°	3974 1404
1.0	1.03	E(0°) E(C0)	27.2°	994 351
1.5	1.54	E(0°) E(C0)	27.2°	442 156
2.0	2.06	E(0°) E(C0)	27.2°	248 88
2.5	2.57	E(0°) E(C0)	27.2°	159 56
3.0	3.08	E(0°) E(C0)	27.2°	110 39

Distance [m]

Cone Diameter [m]

Illuminance [lx]

— C0 - C180 (Half value angle: 54.4°)

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	19.4	20.1	19.6	20.3	20.5	19.4	20.1	19.6	20.3	20.5
	3H	19.3	19.9	19.5	20.1	20.3	19.3	19.9	19.5	20.1	20.3
	4H	19.2	19.8	19.5	20.0	20.3	19.2	19.8	19.5	20.0	20.3
	6H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
	8H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
	12H	19.0	19.5	19.4	19.8	20.1	19.0	19.5	19.4	19.8	20.1
4H	2H	19.2	19.8	19.5	20.0	20.3	19.2	19.8	19.5	20.0	20.3
	3H	19.0	19.5	19.4	19.8	20.1	19.0	19.5	19.4	19.8	20.1
	4H	19.0	19.4	19.3	19.7	20.1	19.0	19.4	19.3	19.7	20.1
	6H	18.9	19.2	19.3	19.6	20.0	18.9	19.2	19.3	19.6	20.0
	8H	18.9	19.2	19.3	19.5	19.9	18.9	19.2	19.3	19.5	19.9
	12H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.9
8H	4H	18.9	19.2	19.3	19.5	19.9	18.9	19.2	19.3	19.5	19.9
	6H	18.8	19.0	19.2	19.4	19.9	18.8	19.0	19.2	19.4	19.9
	8H	18.7	18.9	19.2	19.4	19.8	18.7	18.9	19.2	19.4	19.8
	12H	18.7	18.8	19.2	19.3	19.8	18.7	18.8	19.2	19.3	19.8
12H	4H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.9
	6H	18.7	18.9	19.2	19.4	19.8	18.7	18.9	19.2	19.4	19.8
	8H	18.7	18.8	19.2	19.3	19.8	18.7	18.8	19.2	19.3	19.8
Variation of the observerposition for the luminaire distance S											
S = 1.0H		+4.8 / -18.9					+4.8 / -18.9				
S = 1.5H		+7.6 / -19.7					+7.6 / -19.7				
S = 2.0H		+9.6 / -19.9					+9.6 / -19.9				
Standard table		BK00					BK00				
Correction summand		0.7					0.7				
Corrected glare indices referring to 797lm total luminous flux											