Luminaire
Code VDL8A1 30W
Name VDL8A1 30W
Measurem.
Code VDL8A1 30W
Name VDL8A1 30W

Luminaire Flux	2588.08 lm	Luminaire Power	29.00 W	Efficacy	89.24 lm/W	Efficiency	83.49%
Lamps Flux	3100.00 lm	Maximum value	388.64 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

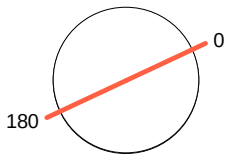
Round Luminaire	Diam. 177 mm	Height	1 mm
Round Luminous Area	Diam. 177 mm	Height	0 mm
Horizontal Luminous Area	0.024606 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area o n Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.005953 m2
Coordinate system	CG	Symmetry Type	Rotosymmetrical
Date	27-01-2000	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	3100.00 lm
Operator		Source Voltage [V]	
Temperature	25.00 ℃	Source current [A]	
Humidity	60.00 %	Photocell	
Notes			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED30S/830/-	LED30S/830/-	3100.00	29.00	1

C.I.E. 62 92 98 100 83		D DIN 5040	A50
F UTE 0.83 C		B NBN	BZ 3

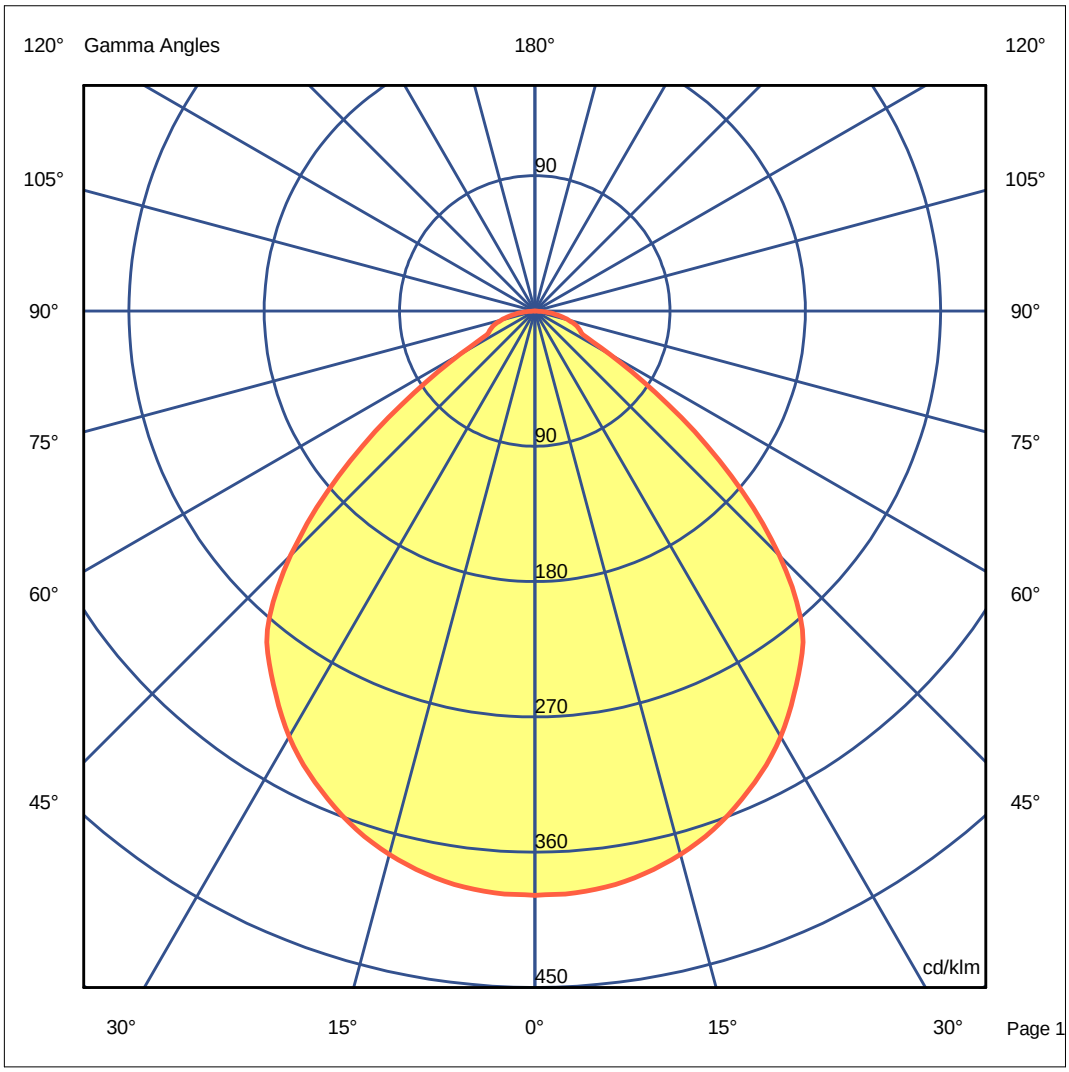
Diam=177mm



C Halfplanes

180.0 0.0

ULOR 0.03 %
DLOR 83.45 %



Luminaire
Code VDL8A1 30W
Name VDL8A1 30W
Measurem.
Code VDL8A1 30W
Name VDL8A1 30W

Luminaire Flux	2588.08 lm	Luminaire Power	29.00 W	Efficacy	89.24 lm/W	Efficiency	83.49%
Lamps Flux	3100.00 lm	Maximum value	388.64 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm **Table 1/2**

	C 0.00
G 0.0	388.64
G 1.0	388.24
G 2.0	388.14
G 3.0	388.24
G 4.0	387.94
G 5.0	387.44
G 6.0	386.75
G 7.0	385.95
G 8.0	385.05
G 9.0	383.96
G 10.0	382.76
G 11.0	381.27
G 12.0	379.68
G 13.0	377.99
G 14.0	376.09
G 15.0	374.10
G 16.0	372.01
G 17.0	369.73
G 18.0	367.34
G 19.0	364.65
G 20.0	361.86
G 21.0	358.98
G 22.0	355.79
G 23.0	352.61
G 24.0	349.32
G 25.0	345.94
G 26.0	342.45
G 27.0	338.97
G 28.0	335.09
G 29.0	331.11
G 30.0	326.83
G 31.0	322.45
G 32.0	317.77
G 33.0	312.90
G 34.0	308.12
G 35.0	303.35
G 36.0	298.57
G 37.0	293.69
G 38.0	288.71
G 39.0	283.44
G 40.0	276.77
G 41.0	268.91
G 42.0	260.15
G 43.0	250.80
G 44.0	240.55
G 45.0	229.90
G 46.0	218.55
G 47.0	207.11
G 48.0	195.26
G 49.0	183.12
G 50.0	170.68
G 51.0	158.04
G 52.0	145.30
G 53.0	132.96
G 54.0	120.42
G 55.0	108.48
G 56.0	96.84
G 57.0	86.09
G 58.0	75.74
G 59.0	66.08
G 60.0	57.52
G 61.0	50.26
G 62.0	44.19
G 63.0	39.11
G 64.0	35.63
G 65.0	34.14
G 66.0	33.34
G 67.0	32.55
G 68.0	31.75
G 69.0	30.85
G 70.0	29.86
G 71.0	28.76
G 72.0	27.47

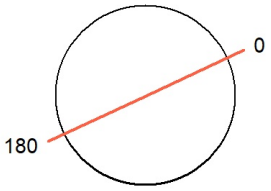
Luminaire
Code VDL8A1 30W
Name VDL8A1 30W
Measurem.
Code VDL8A1 30W
Name VDL8A1 30W

Luminaire Flux	2588.08 lm	Luminaire Power	29.00 W	Efficacy	89.24 lm/W	Efficiency	83.49%
Lamps Flux	3100.00 lm	Maximum value	388.64 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

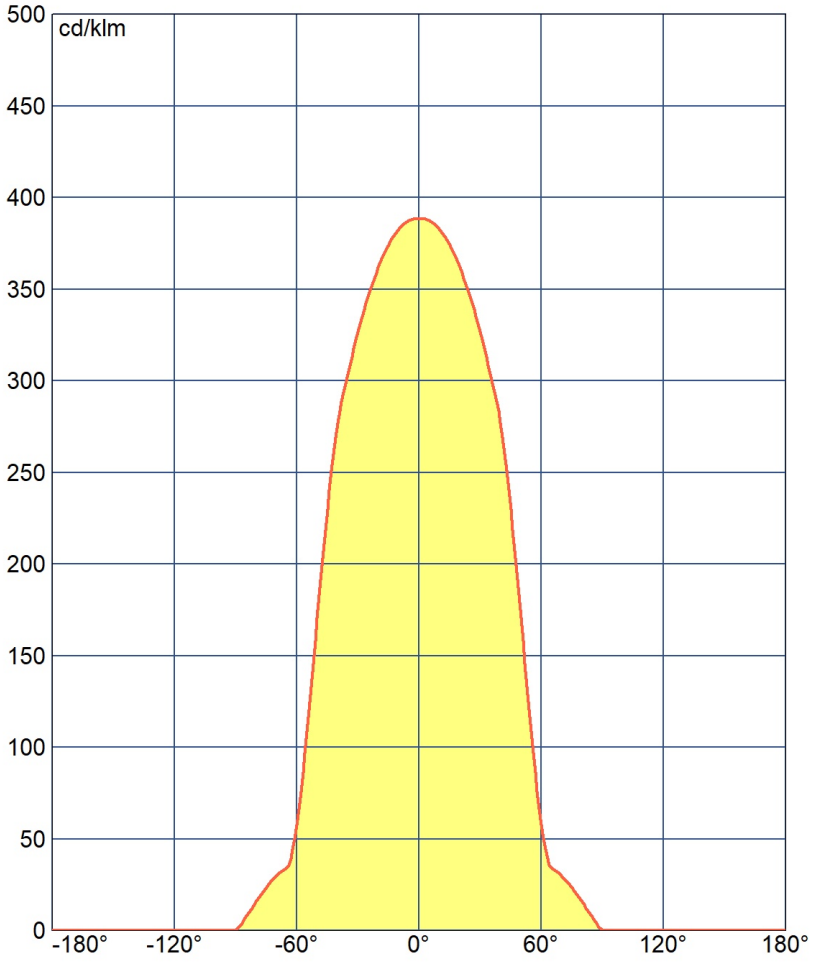
Luminous Intensity Table cd/klm **Table 2/2**

	C 0.00
G 73.0	26.27
G 74.0	24.88
G 75.0	23.39
G 76.0	21.89
G 77.0	20.40
G 78.0	18.91
G 79.0	17.32
G 80.0	15.63
G 81.0	14.03
G 82.0	12.34
G 83.0	10.75
G 84.0	9.06
G 85.0	7.36
G 86.0	5.67
G 87.0	4.08
G 88.0	2.49
G 89.0	1.09
G 90.0	0.20
G 91.0	0.10
G180.0	0.00

Diam=177mm

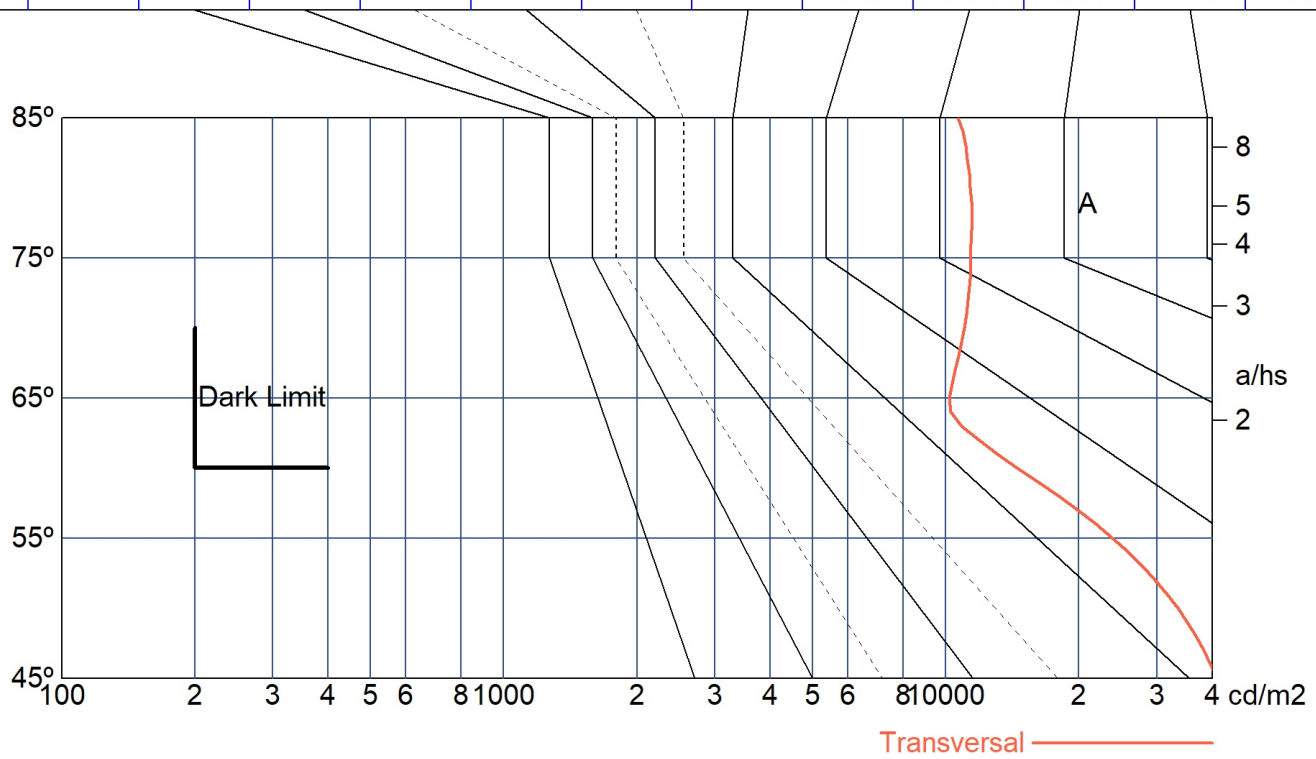


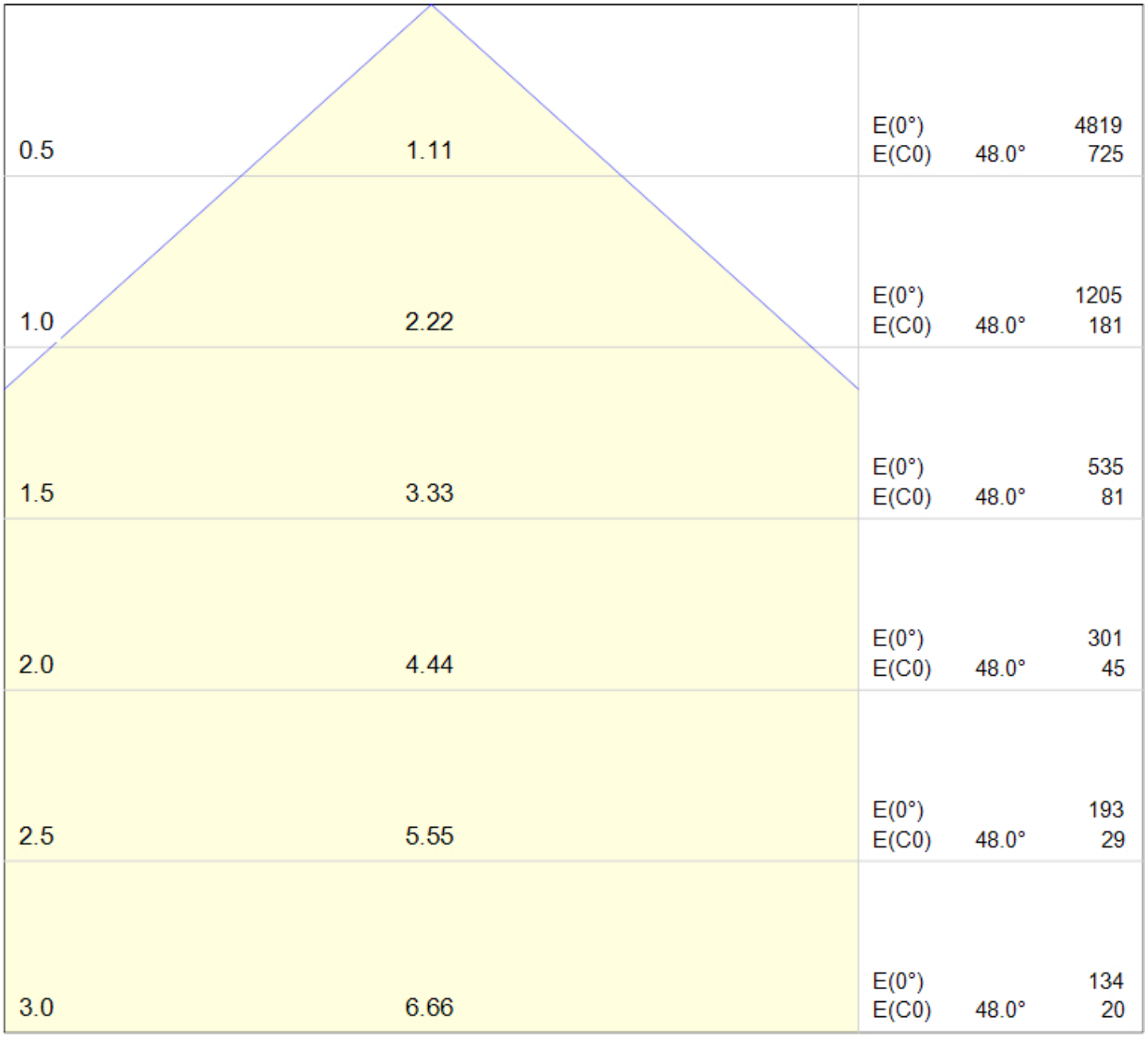
C Halfplanes



Flux 3100.00 lm
Maximum 388.64 cd/klm
Position C=0.00 G=0.00
Efficiency: 83.49%
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





Distance [m]	Cone Diameter [m]	Illuminance [lx]		
0.5	1.11	E(0°) E(C0)	48.0°	4819 725
1.0	2.22	E(0°) E(C0)	48.0°	1205 181
1.5	3.33	E(0°) E(C0)	48.0°	535 81
2.0	4.44	E(0°) E(C0)	48.0°	301 45
2.5	5.55	E(0°) E(C0)	48.0°	193 29
3.0	6.66	E(0°) E(C0)	48.0°	134 20

——— C0 - C180 (Half value angle: 96.0°)

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	23.1	24.2	23.4	24.4	24.6	23.1	24.2	23.4	24.4	24.6
	3H	23.4	24.4	23.7	24.6	24.9	23.4	24.4	23.7	24.6	24.9
	4H	23.6	24.5	23.9	24.8	25.1	23.6	24.5	23.9	24.8	25.1
	6H	23.8	24.7	24.2	25.0	25.3	23.8	24.7	24.2	25.0	25.3
	8H	23.9	24.8	24.3	25.1	25.4	23.9	24.8	24.3	25.1	25.4
	12H	24.0	24.8	24.4	25.1	25.4	24.0	24.8	24.4	25.1	25.4
4H	2H	23.2	24.1	23.5	24.4	24.6	23.2	24.1	23.5	24.4	24.6
	3H	23.6	24.4	24.0	24.7	25.1	23.6	24.4	24.0	24.7	25.1
	4H	24.0	24.7	24.4	25.0	25.4	24.0	24.7	24.4	25.0	25.4
	6H	24.4	25.0	24.8	25.3	25.7	24.4	25.0	24.8	25.3	25.7
	8H	24.5	25.1	25.0	25.5	25.9	24.5	25.1	25.0	25.5	25.9
	12H	24.6	25.1	25.1	25.5	26.0	24.6	25.1	25.1	25.5	26.0
8H	4H	24.1	24.7	24.6	25.1	25.5	24.1	24.7	24.6	25.1	25.5
	6H	24.6	25.1	25.1	25.5	26.0	24.6	25.1	25.1	25.5	26.0
	8H	24.9	25.3	25.3	25.7	26.2	24.9	25.3	25.3	25.7	26.2
	12H	25.0	25.4	25.5	25.8	26.3	25.0	25.4	25.5	25.8	26.3
12H	4H	24.1	24.6	24.6	25.0	25.5	24.1	24.6	24.6	25.0	25.5
	6H	24.7	25.1	25.1	25.5	26.0	24.7	25.1	25.1	25.5	26.0
	8H	24.9	25.3	25.4	25.7	26.2	24.9	25.3	25.4	25.7	26.2

Variation of the observerposition for the luminaire distance S

S = 1.0H	+0.5 / -0.7	+0.5 / -0.7
S = 1.5H	+1.2 / -1.8	+1.2 / -1.8
S = 2.0H	+2.3 / -2.3	+2.3 / -2.3
Standard table	BK03	BK03
Correction summand	6.3	6.3

Corrected glare indices referring to 3100lm total luminous flux