Luminaire
Code GIASS 30
Name GIASS 30
Measurem.
Code 0023FT20
Name GIASS 30

Luminaire Flux	451.00 lm	Luminaire Power	27.50 W	Efficacy	16.40 lm/W	Efficiency	100.00%
Sources Flux	451.00 lm	Maximum value	867.04 cd/klm	Position	C=0.00 G=3.00	CG	Rotosymmetrical

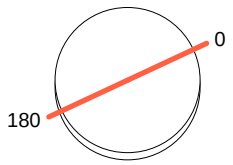
Round Luminaire	Diam. 300 mm	Height	450 mm
Round Luminous Area	Diam. 280 mm	Height	0 mm
Horizontal Luminous Area	0.061575 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.014896 m2
Coordinate system	CG	Symmetry Type	Rotosymmetrical
Date	01-05-2020	Maximum Gamma Angle	180
Measurement Distance	0.00	Measurement Flux	451.00 lm

Luminaire Sources

Line	Flux [lm]	Pow. [W]	Q.ty
Board LED SMD - 23W - Nominal Lumen 2240lm - 2700K - CRI90	451.00	27.50	1

C.I.E.	53 79 95 99 100	D DIN 5040	A41
F UTE	0.99 D + 0.01 T	B NBN	BZ 3 / 1 / BZ 4

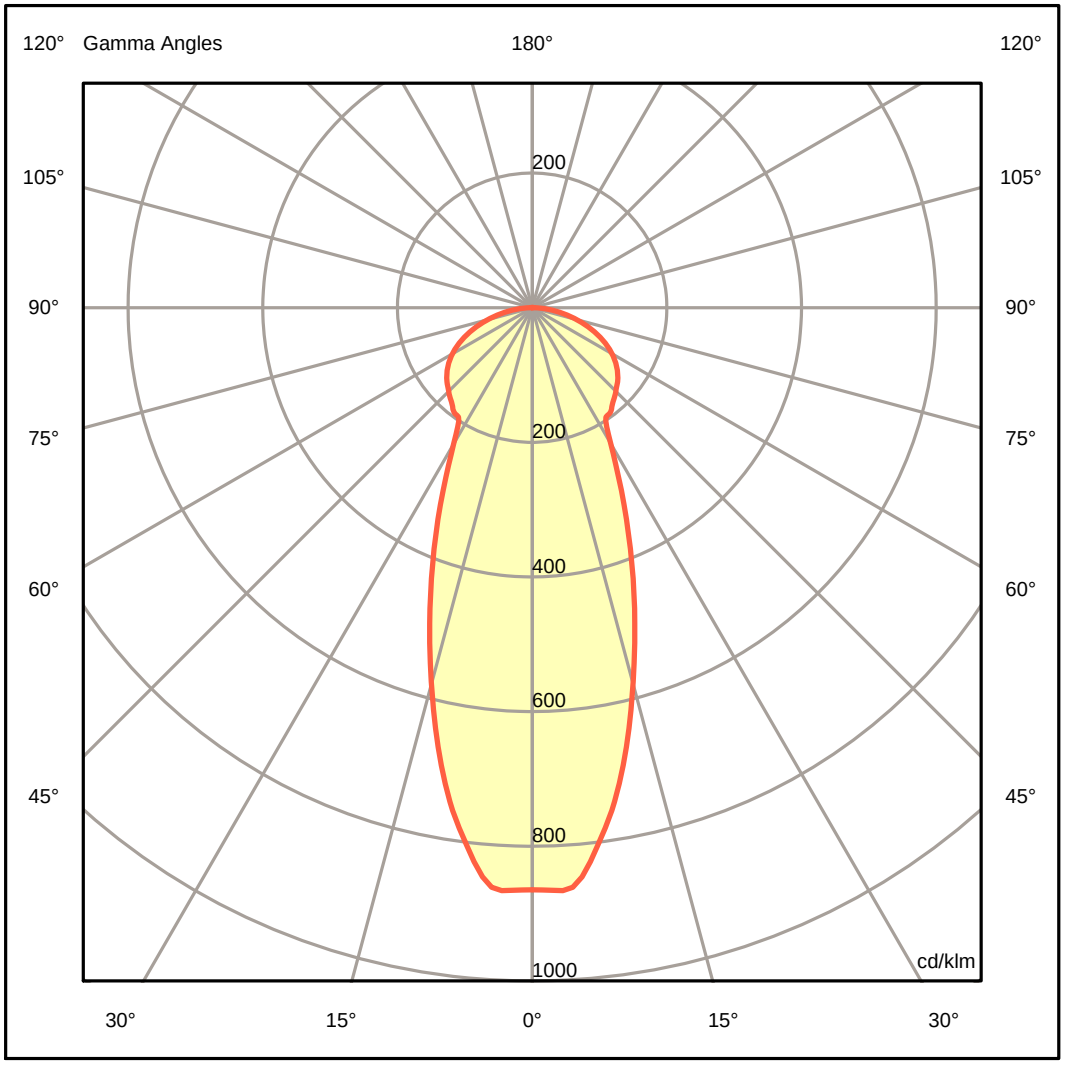
Diam=300mm



C Halfplanes

180.0 0.0

ULOR 0.62 %
DLOR 99.38 %
RN 0.62 %



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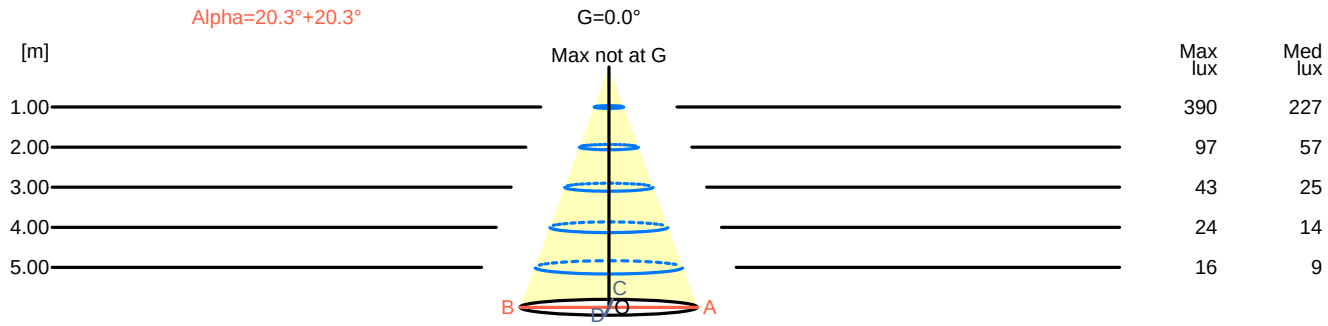
Width at 50.00 % of Max Intensity

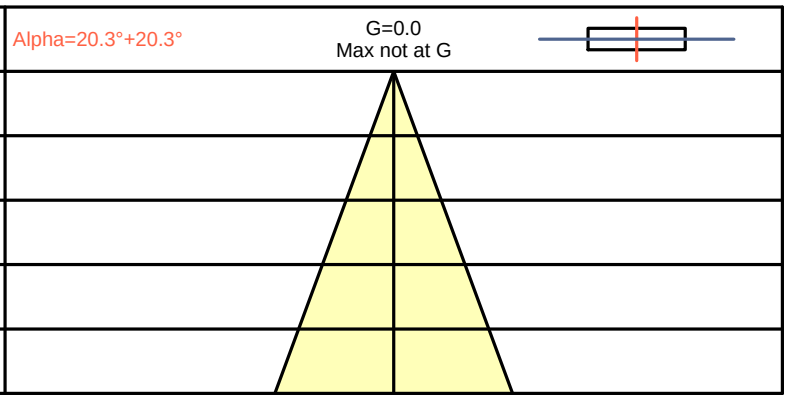
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.37	0.74	1.11	1.48	1.84	OC	0.37	0.74	1.11	1.48	1.84
OB	0.37	0.74	1.11	1.48	1.84	OD	0.37	0.74	1.11	1.48	1.84

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	389.89	382.66	260.87	145.47	87.88	79.15	69.14	52.59	31.03	9.44
OB	389.89	382.66	260.87	145.47	87.88	79.15	69.14	52.59	31.03	9.44
OC	389.89	382.66	260.87	145.47	87.88	79.15	69.14	52.59	31.03	9.44
OD	389.89	382.66	260.87	145.47	87.88	79.15	69.14	52.59	31.03	9.44



H[m]	D[m]	Max lux	Med lux
1.00	0.74	390	227
2.00	1.48	97	57
3.00	2.21	43	25
4.00	2.95	24	14
5.00	3.69	16	9



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UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	15.5	16.7	15.8	17.0	17.2	15.5	16.7	15.8	17.0	17.2
x=2H y=3H	17.6	18.7	18.0	19.0	19.3	17.6	18.7	18.0	19.0	19.3
x=2H y=4H	18.6	19.6	18.9	19.9	20.2	18.6	19.6	18.9	19.9	20.2
x=2H y=6H	19.3	20.3	19.7	20.6	20.9	19.3	20.3	19.7	20.6	20.9
x=2H y=8H	19.6	20.6	20.0	20.9	21.2	19.6	20.6	20.0	20.9	21.2
x=2H y=12H	19.8	20.7	20.2	21.1	21.4	19.8	20.7	20.2	21.1	21.4
x=4H y=2H	15.5	16.6	15.9	16.9	17.2	15.5	16.6	15.9	16.9	17.2
x=4H y=3H	17.8	18.7	18.1	19.0	19.4	17.8	18.7	18.1	19.0	19.4
x=4H y=4H	18.8	19.6	19.2	20.0	20.3	18.8	19.6	19.2	20.0	20.3
x=4H y=6H	19.7	20.4	20.2	20.8	21.2	19.7	20.4	20.2	20.8	21.2
x=4H y=8H	20.1	20.8	20.6	21.2	21.6	20.1	20.8	20.6	21.2	21.6
x=4H y=12H	20.4	21.0	20.9	21.4	21.9	20.4	21.0	20.9	21.4	21.9
x=8H y=4H	19.3	19.9	19.7	20.3	20.8	19.3	19.9	19.7	20.3	20.8
x=8H y=6H	20.2	20.7	20.6	21.1	21.6	20.2	20.7	20.6	21.1	21.6
x=8H y=8H	20.6	21.0	21.1	21.5	22.0	20.6	21.0	21.1	21.5	22.0
x=8H y=12H	20.9	21.3	21.4	21.8	22.3	20.9	21.3	21.4	21.8	22.3
x=12H y=4H	19.3	19.8	19.7	20.3	20.7	19.3	19.8	19.7	20.3	20.7
x=12H y=6H	20.1	20.6	20.6	21.1	21.6	20.1	20.6	20.6	21.1	21.6
x=12H y=8H	20.6	21.0	21.1	21.4	22.0	20.6	21.0	21.1	21.4	22.0

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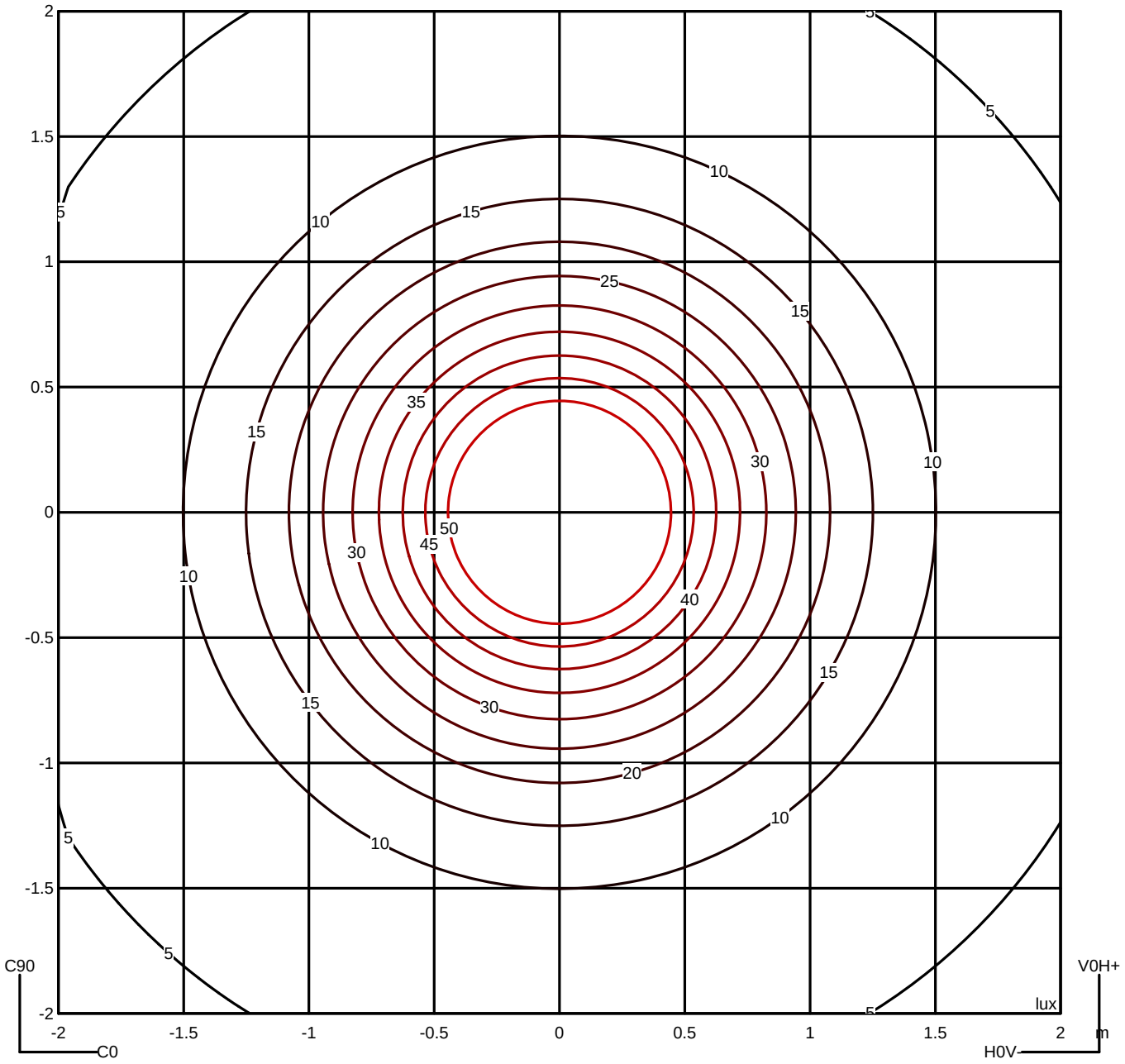
Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m