

LEDS C4[®]

Luminaire

Code 30-8000-81-F9
Name EMBAT

Measurem.

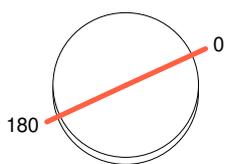
Code 30-8000-81-F9
Name EMBAT

Luminaire Flux	626.68 lm	Luminaire Power	19.80 W	Efficacy	31.65 lm/W	Efficiency	100.00%
Sources Flux	626.68 lm	Maximum value	290.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	160 mm	Height	60 mm		
Round Luminous Area		Diam.	160 mm	Height	50 mm		
Horizontal Luminous Area		0.020106 m2		Emitting area on Plane 180°		0.008000 m2	
Emitting area on Plane 0°		0.008000 m2		Emitting area on Plane 270°		0.008000 m2	
Emitting area on Plane 90°		0.008000 m2		Glare area at 76°		0.012626 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		03-10-2019		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		626.68 lm	
Operator		qualitat		Rated Voltage			
Temperature		25.00 °C		Rated Current			
Humidity		60.00 %		Photocell			
Notes							

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	30-8000-81-F9	30-8000-81-F9	626.68	19.80	1
C.I.E.	40 68 88 100 100	D DIN 5040	A20		
F UTE	1.00 G	B NBN	BZ 5 / 1.25 / BZ 6		

Diam=160mm



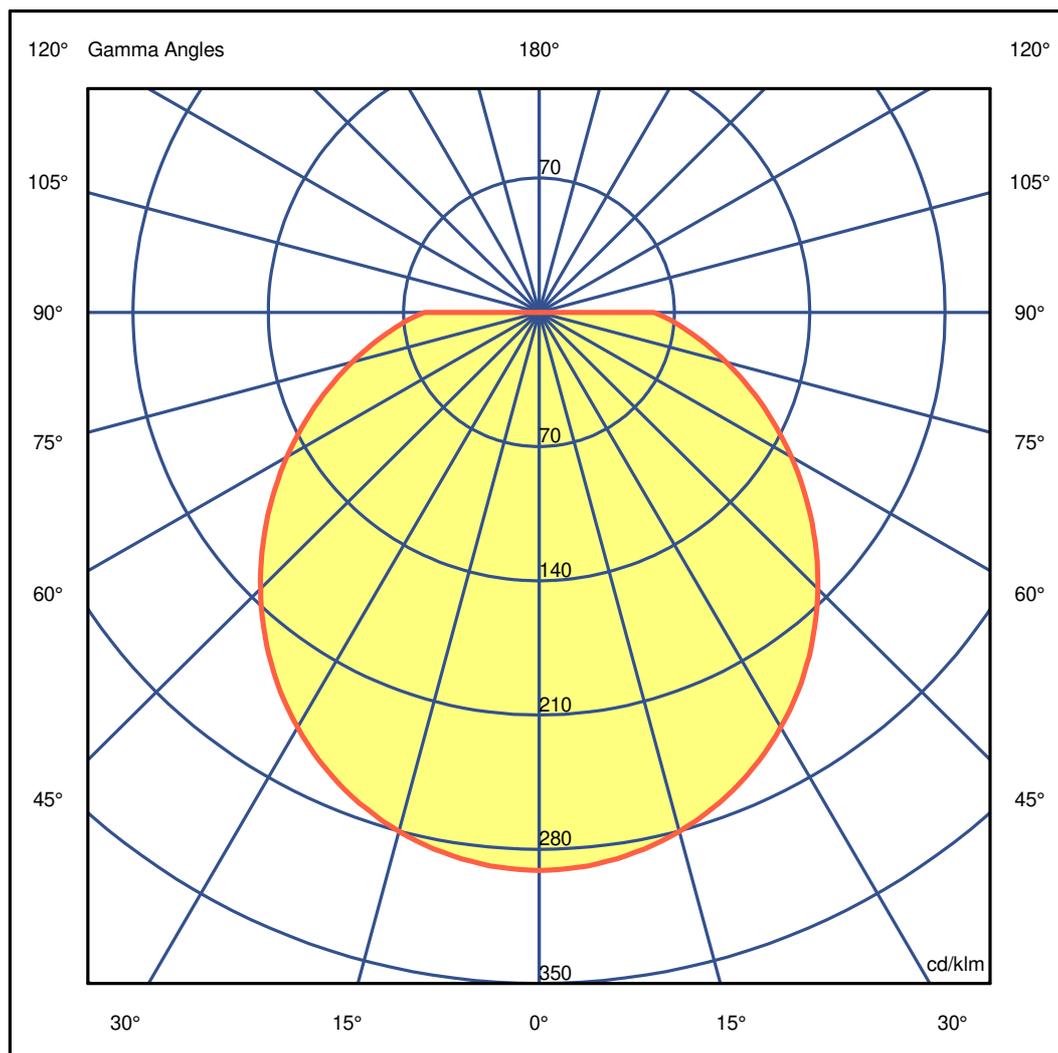
C Halfplanes

180.0 — 0.0

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %



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Sources Flux	626.68 lm	Maximum value	290.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 0.00
G 0.0	290.95	G 46.0 200.36
G 1.0	290.83	G 47.0 196.90
G 2.0	290.63	G 48.0 193.43
G 3.0	290.44	G 49.0 189.94
G 4.0	290.06	G 50.0 186.34
G 5.0	289.69	G 51.0 182.69
G 6.0	289.09	G 52.0 179.26
G 7.0	288.34	G 53.0 175.67
G 8.0	287.76	G 54.0 172.04
G 9.0	286.87	G 55.0 168.52
G 10.0	285.90	G 56.0 164.88
G 11.0	285.02	G 57.0 161.29
G 12.0	283.92	G 58.0 157.77
G 13.0	282.70	G 59.0 154.19
G 14.0	281.49	G 60.0 150.65
G 15.0	280.17	G 61.0 147.11
G 16.0	278.60	G 62.0 143.55
G 17.0	277.22	G 63.0 139.95
G 18.0	275.52	G 64.0 136.49
G 19.0	273.81	G 65.0 133.01
G 20.0	272.20	G 66.0 129.55
G 21.0	270.28	G 67.0 126.17
G 22.0	268.36	G 68.0 122.73
G 23.0	266.37	G 69.0 119.41
G 24.0	264.21	G 70.0 116.05
G 25.0	261.99	G 71.0 112.77
G 26.0	259.82	G 72.0 109.52
G 27.0	257.41	G 73.0 106.32
G 28.0	254.95	G 74.0 103.15
G 29.0	252.49	G 75.0 100.07
G 30.0	249.85	G 76.0 97.04
G 31.0	247.21	G 77.0 93.99
G 32.0	244.56	G 78.0 91.07
G 33.0	241.80	G 79.0 88.18
G 34.0	238.95	G 80.0 85.34
G 35.0	236.13	G 81.0 82.57
G 36.0	233.00	G 82.0 79.91
G 37.0	229.95	G 83.0 77.22
G 38.0	227.02	G 84.0 74.66
G 39.0	223.74	G 85.0 72.12
G 40.0	220.50	G 86.0 69.63
G 41.0	217.25	G 87.0 67.16
G 42.0	213.90	G 88.0 64.66
G 43.0	210.60	G 89.0 62.10
G 44.0	207.27	G 90.0 59.33
G 45.0	203.77	

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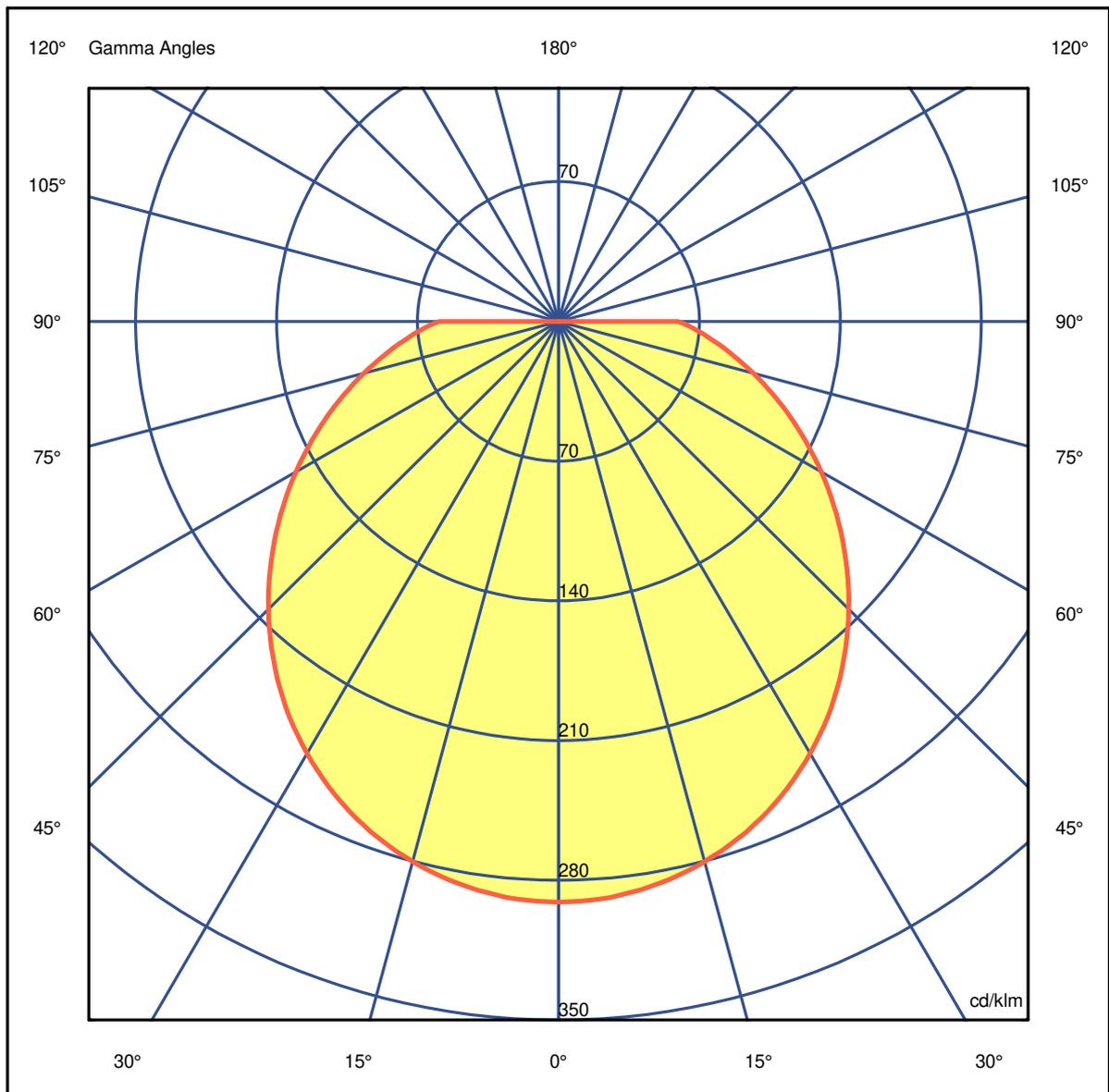
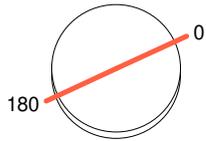
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Diam=160mm

C Halfplanes

180.0  0.0



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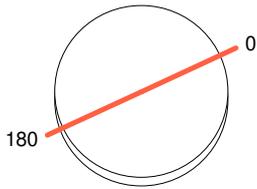
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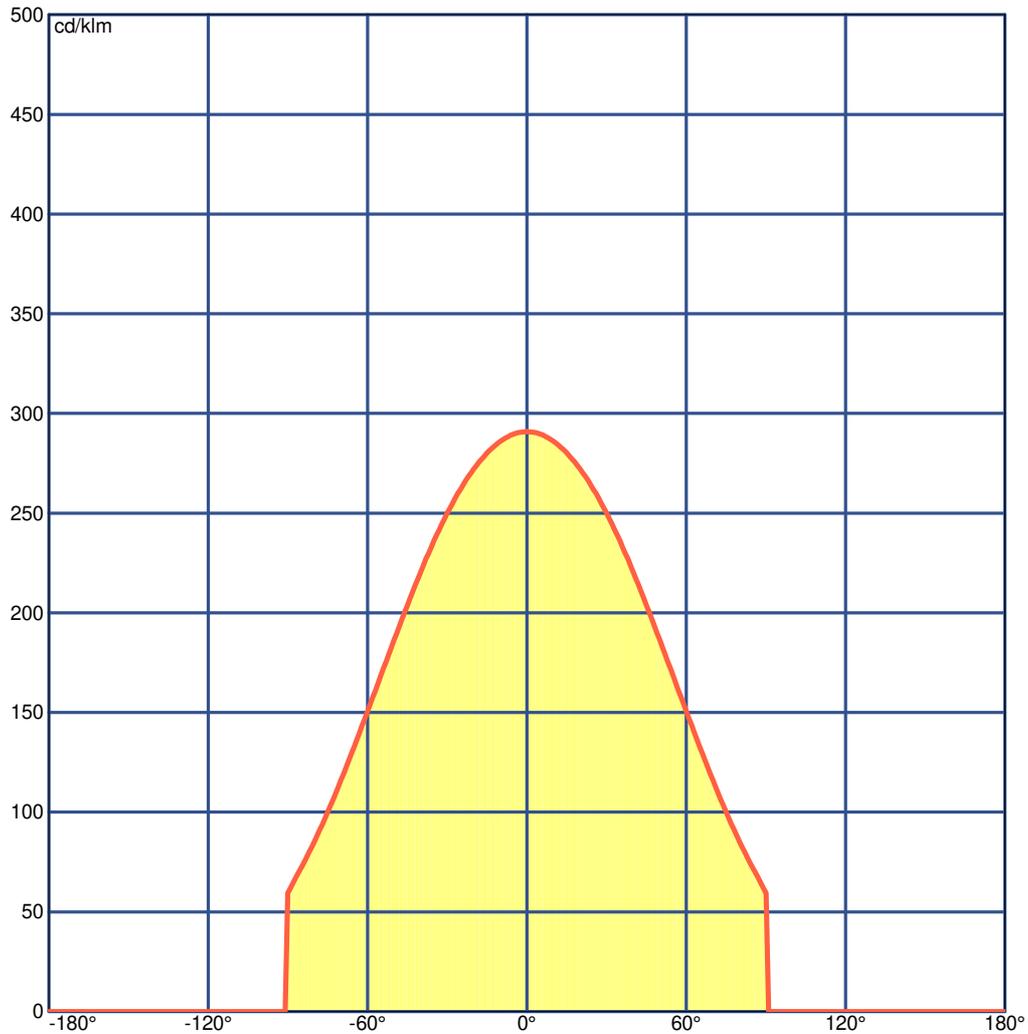
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Diam=160mm

C Halfplanes



180.0 ————— 0.0



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Sources Flux	626.68 lm	Maximum value	290.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	18.4	19.8	18.7	20.1	20.3	18.4	19.8	18.7	20.1	20.3
x=2H y=3H	20.3	21.6	20.6	21.9	22.2	20.3	21.6	20.6	21.9	22.2
x=2H y=4H	21.2	22.5	21.5	22.7	23.0	21.2	22.5	21.5	22.7	23.0
x=2H y=6H	22.0	23.3	22.4	23.6	23.9	22.0	23.3	22.4	23.6	23.9
x=2H y=8H	22.4	23.6	22.8	23.9	24.3	22.4	23.6	22.8	23.9	24.3
x=2H y=12H	22.9	24.0	23.2	24.3	24.6	22.9	24.0	23.2	24.3	24.6
x=4H y=2H	19.2	20.5	19.5	20.8	21.1	19.2	20.5	19.5	20.8	21.1
x=4H y=3H	21.3	22.4	21.7	22.7	23.1	21.3	22.4	21.7	22.7	23.1
x=4H y=4H	22.4	23.4	22.8	23.7	24.1	22.4	23.4	22.8	23.7	24.1
x=4H y=6H	23.4	24.3	23.8	24.7	25.1	23.4	24.3	23.8	24.7	25.1
x=4H y=8H	23.9	24.7	24.3	25.1	25.6	23.9	24.7	24.3	25.1	25.6
x=4H y=12H	24.4	25.1	24.8	25.6	26.0	24.4	25.1	24.8	25.6	26.0
x=8H y=4H	22.9	23.7	23.3	24.1	24.5	22.9	23.7	23.3	24.1	24.5
x=8H y=6H	24.1	24.8	24.6	25.2	25.7	24.1	24.8	24.6	25.2	25.7
x=8H y=8H	24.7	25.4	25.2	25.8	26.3	24.7	25.4	25.2	25.8	26.3
x=8H y=12H	25.4	25.9	25.9	26.4	26.9	25.4	25.9	25.9	26.4	26.9
x=12H y=4H	22.9	23.7	23.4	24.1	24.6	22.9	23.7	23.4	24.1	24.6
x=12H y=6H	24.3	24.9	24.8	25.4	25.8	24.3	24.9	24.8	25.4	25.8
x=12H y=8H	25.0	25.5	25.5	26.0	26.5	25.0	25.5	25.5	26.0	26.5

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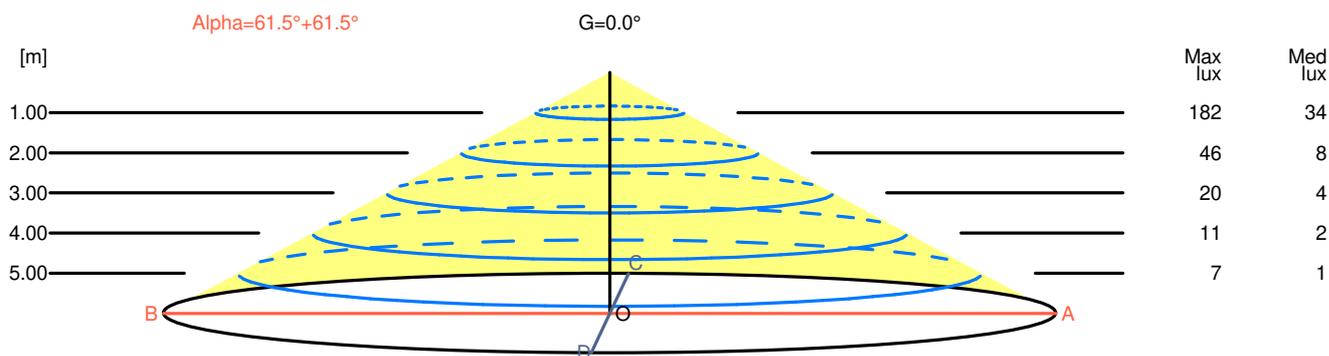
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Sources Flux	626.68 lm	Maximum value	290.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	1.84	3.68	5.52	7.35	9.19	OC	1.84	3.68	5.52	7.35	9.19
OB	1.84	3.68	5.52	7.35	9.19	OD	1.84	3.68	5.52	7.35	9.19

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	182.33	181.54	175.58	164.19	147.98	127.70	105.61	83.35	62.71	45.20
OB	182.33	181.54	175.58	164.19	147.98	127.70	105.61	83.35	62.71	45.20
OC	182.33	181.54	175.58	164.19	147.98	127.70	105.61	83.35	62.71	45.20
OD	182.33	181.54	175.58	164.19	147.98	127.70	105.61	83.35	62.71	45.20



H[m]	D[m]	Max lux	Med lux	Alpha=61.5°+61.5°	G=0.0
1.00	3.68	182	34		
2.00	7.35	46	8		
3.00	11.03	20	4		
4.00	14.71	11	2		
5.00	18.39	7	1		

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Measur.

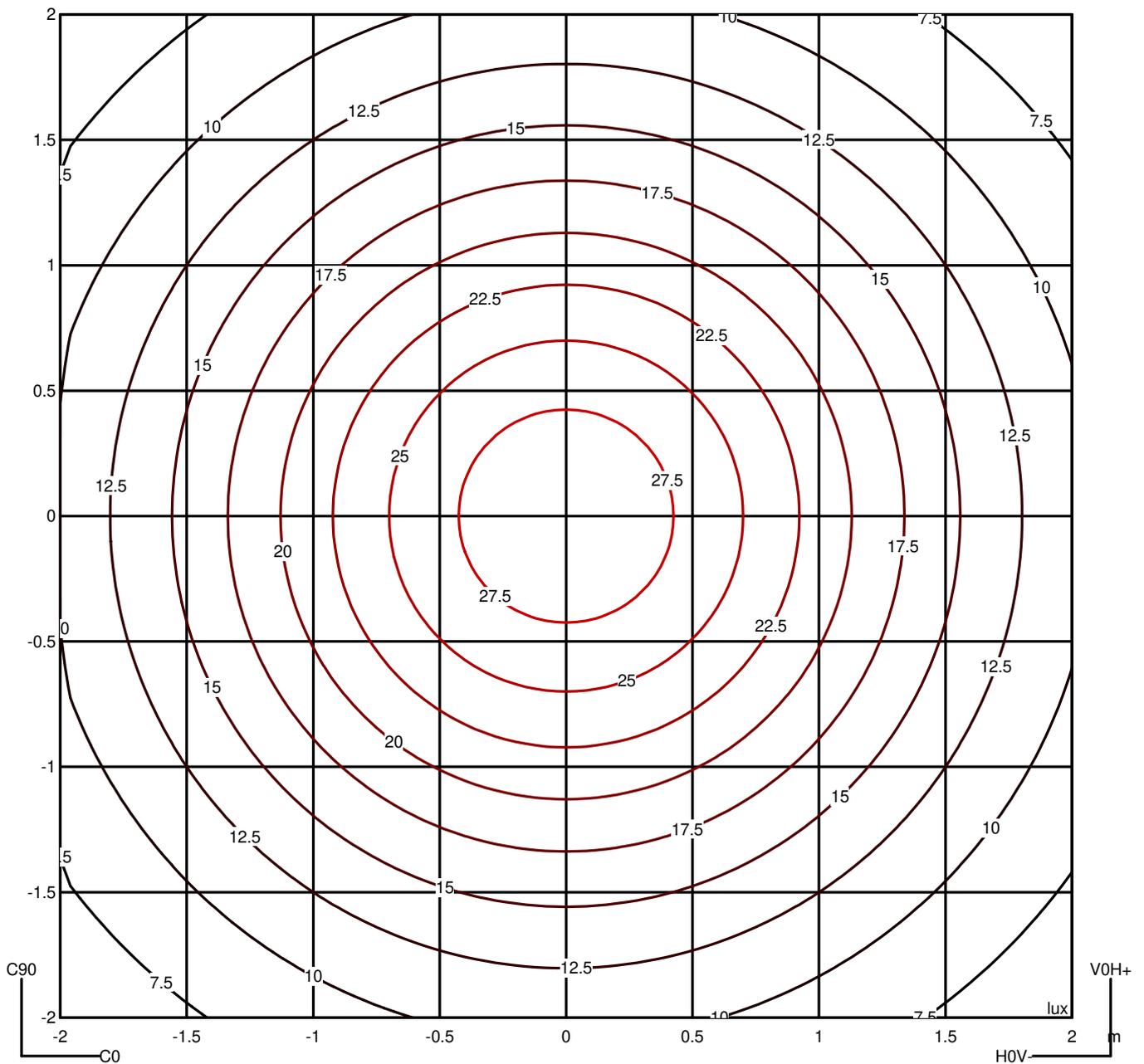
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Isolux (Floor)

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



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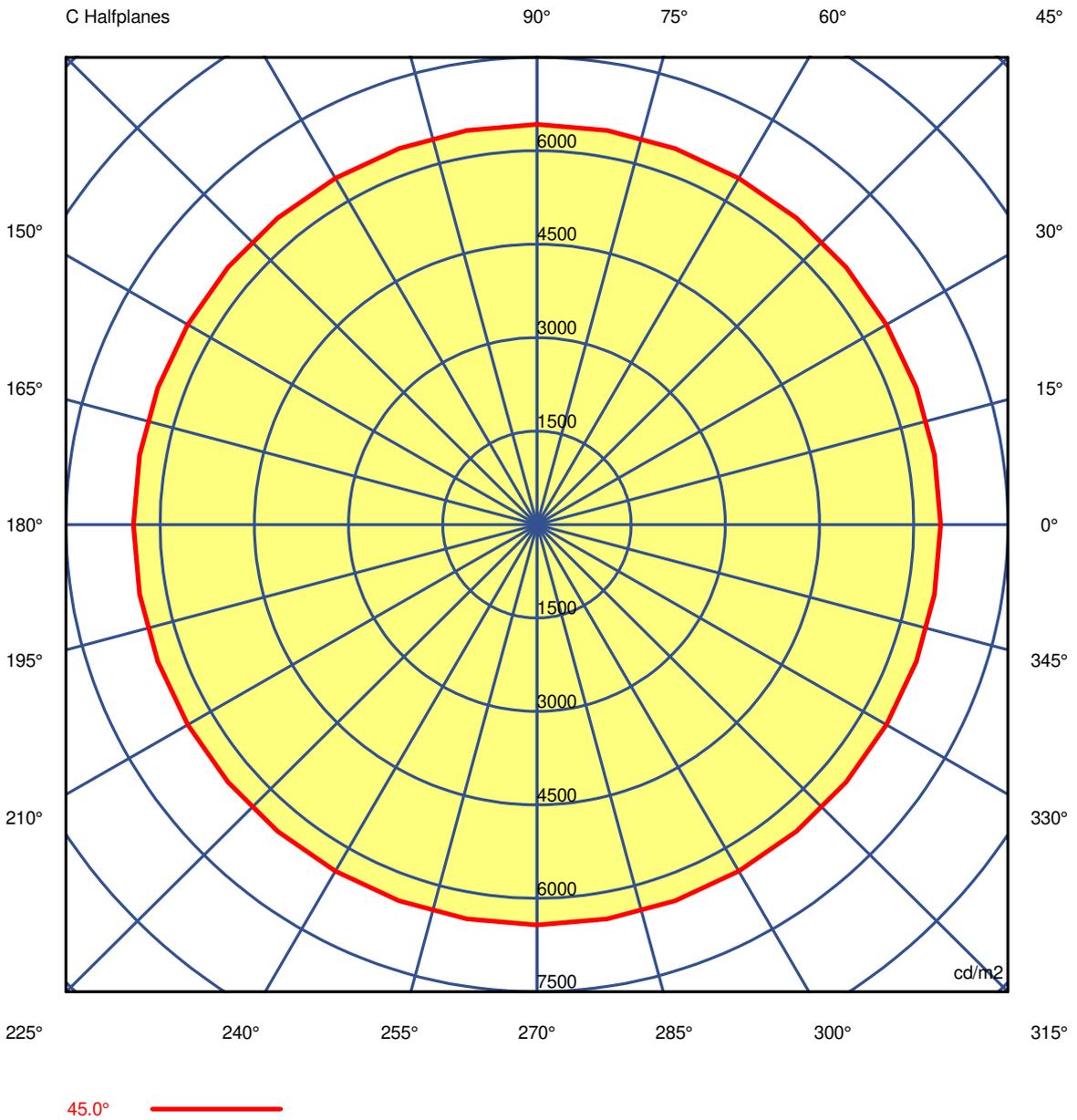
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Sources Flux	626.68 lm	Maximum value	290.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance



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Sources Flux	626.68 lm	Maximum value	290.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance cd/m2 Table 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48
G 5.0	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88
G 10.0	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37
G 15.0	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60
G 20.0	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54
G 25.0	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04
G 30.0	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26
G 35.0	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85
G 40.0	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03
G 45.0	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27
G 50.0	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21
G 55.0	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48
G 60.0	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79
G 65.0	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96
G 70.0	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59
G 75.0	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48
G 80.0	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62
G 85.0	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07
G 90.0	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59

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Sources Flux	626.68 lm	Maximum value	290.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance cd/m2 Table 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48
G 5.0	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88
G 10.0	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37
G 15.0	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60
G 20.0	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54
G 25.0	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04
G 30.0	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26
G 35.0	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85
G 40.0	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03
G 45.0	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27
G 50.0	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21
G 55.0	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48
G 60.0	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79
G 65.0	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96
G 70.0	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59
G 75.0	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48
G 80.0	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62
G 85.0	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07
G 90.0	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59

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Sources Flux	626.68 lm	Maximum value	290.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48	9068.48
G 5.0	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88	8758.88
G 10.0	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37	8455.37
G 15.0	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60	8169.60
G 20.0	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54	7886.54
G 25.0	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04	7600.04
G 30.0	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26	7312.26
G 35.0	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85	7026.85
G 40.0	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03	6726.03
G 45.0	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27	6425.27
G 50.0	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21	6129.21
G 55.0	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48	5839.48
G 60.0	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79	5559.79
G 65.0	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96	5292.96
G 70.0	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59	5052.59
G 75.0	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48	4849.48
G 80.0	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62	4703.62
G 85.0	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07	4649.07
G 90.0	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59	4647.59