

LEDS C4[®]

Luminaire

Code AG59-P7V9S2BBDC
Name PLAY

Measurem.

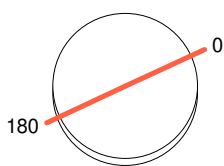
Code AG59-P7V9S2BBDC
Name PLAY

Luminaire Flux	481.26 lm	Luminaire Power	8.60 W	Efficacy	55.96 lm/W	Efficiency	100.00%
Sources Flux	481.26 lm	Maximum value	9082.01 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	48 mm	Height	55 mm		
Round Luminous Area		Diam.	45 mm	Height	0 mm		
Horizontal Luminous Area		0.001590 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°		0.000385 m2	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		12-03-2020		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		595.32 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
	AG59-P7V9S2BBDC	AG59-P7W9S2BB55	481.26	8.60	1
C.I.E.	97 99 100 100 100	D DIN 5040	A60		
F UTE	1.00 A	B NBN	BZ 1		

Diam=48mm



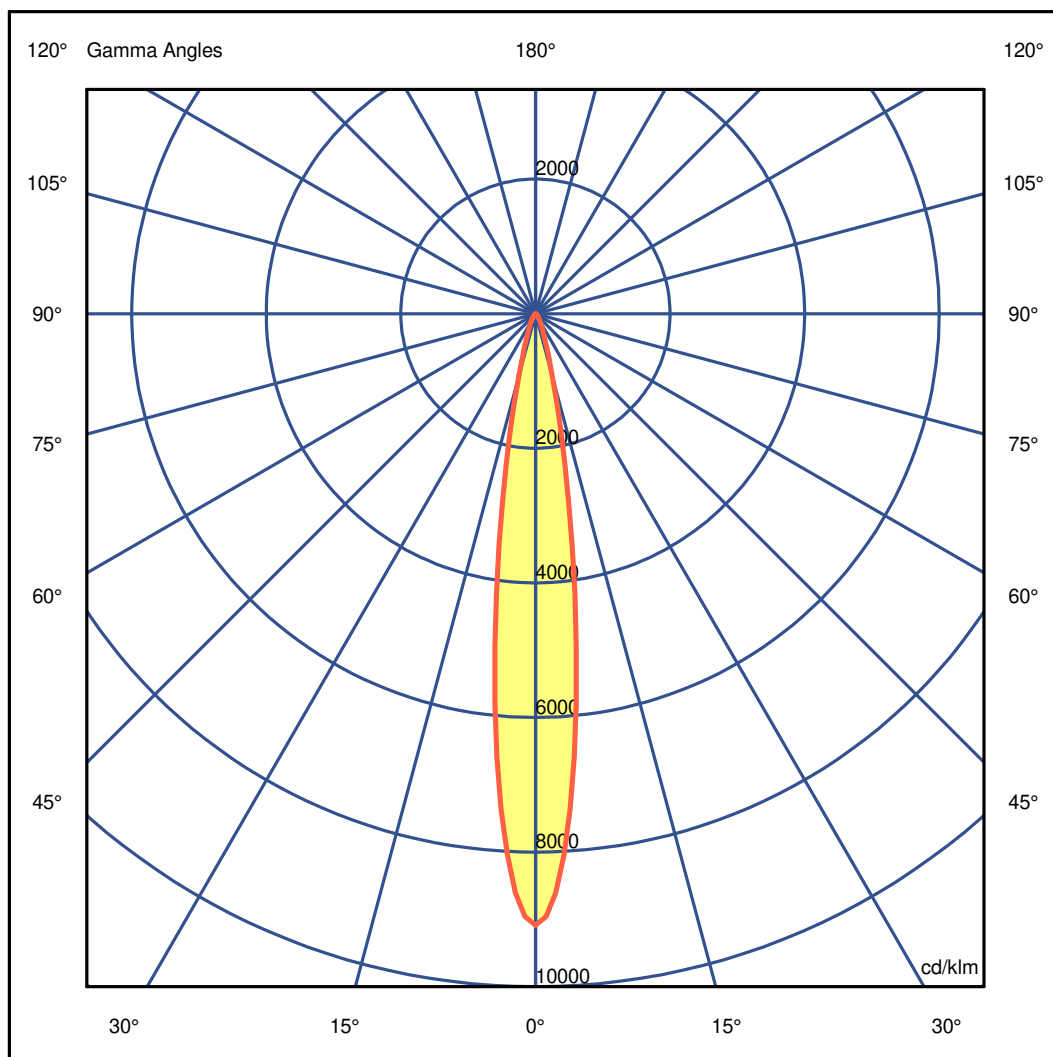
C Halfplanes

180.0 — 0.0

ULOR 0.00 %

DLOR100.00 %

RN 0.00 %



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Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 0.00	
G 0.0	9082.01	G 46.0	24.04
G 1.0	8958.98	G 47.0	21.07
G 2.0	8608.44	G 48.0	18.37
G 3.0	8049.66	G 49.0	16.03
G 4.0	7375.54	G 50.0	14.09
G 5.0	6602.54	G 51.0	12.66
G 6.0	5795.02	G 52.0	11.52
G 7.0	4968.40	G 53.0	10.53
G 8.0	4186.21	G 54.0	9.63
G 9.0	3462.36	G 55.0	8.79
G 10.0	2823.30	G 56.0	8.04
G 11.0	2289.25	G 57.0	7.40
G 12.0	1849.38	G 58.0	6.83
G 13.0	1498.96	G 59.0	6.33
G 14.0	1207.08	G 60.0	5.92
G 15.0	981.35	G 61.0	5.54
G 16.0	798.37	G 62.0	5.21
G 17.0	659.19	G 63.0	4.92
G 18.0	551.15	G 64.0	4.64
G 19.0	467.13	G 65.0	4.38
G 20.0	401.61	G 66.0	4.15
G 21.0	349.93	G 67.0	3.91
G 22.0	308.59	G 68.0	3.69
G 23.0	274.34	G 69.0	3.49
G 24.0	245.42	G 70.0	3.28
G 25.0	219.96	G 71.0	3.09
G 26.0	197.70	G 72.0	2.91
G 27.0	178.00	G 73.0	2.72
G 28.0	160.87	G 74.0	2.55
G 29.0	145.47	G 75.0	2.40
G 30.0	131.26	G 76.0	2.23
G 31.0	119.02	G 77.0	2.08
G 32.0	108.02	G 78.0	1.94
G 33.0	98.31	G 79.0	1.80
G 34.0	89.48	G 80.0	1.67
G 35.0	81.25	G 81.0	1.55
G 36.0	73.29	G 82.0	1.42
G 37.0	66.10	G 83.0	1.32
G 38.0	60.21	G 84.0	1.22
G 39.0	54.86	G 85.0	1.11
G 40.0	49.71	G 86.0	1.04
G 41.0	44.55	G 87.0	0.98
G 42.0	39.59	G 88.0	0.91
G 43.0	34.99	G 89.0	0.87
G 44.0	30.93	G 90.0	0.84
G 45.0	27.33		

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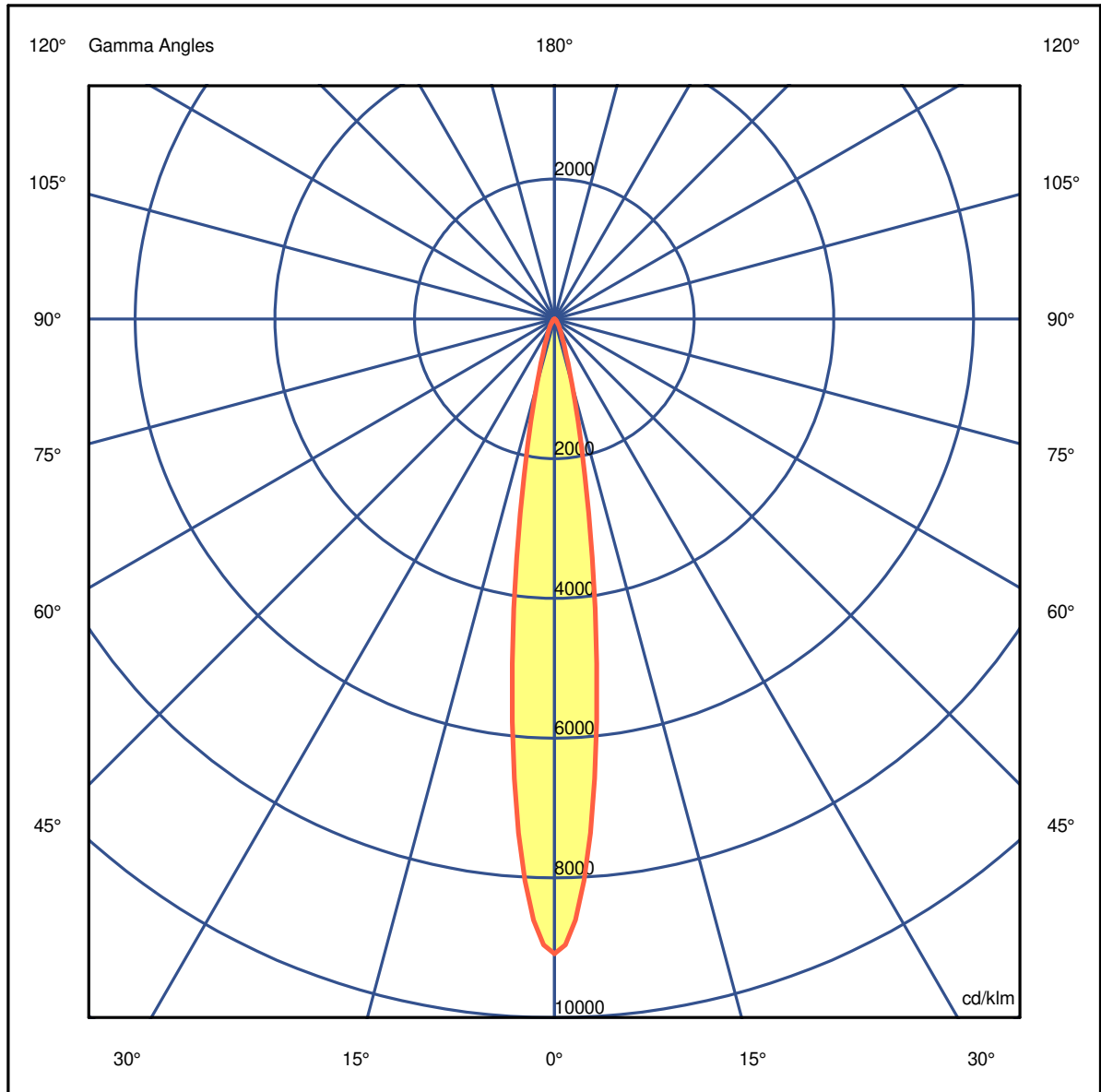
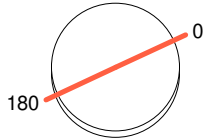
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Diam=48mm

C Halfplanes

180.0  0.0



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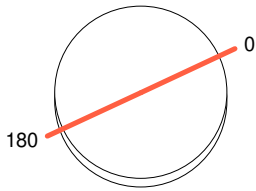
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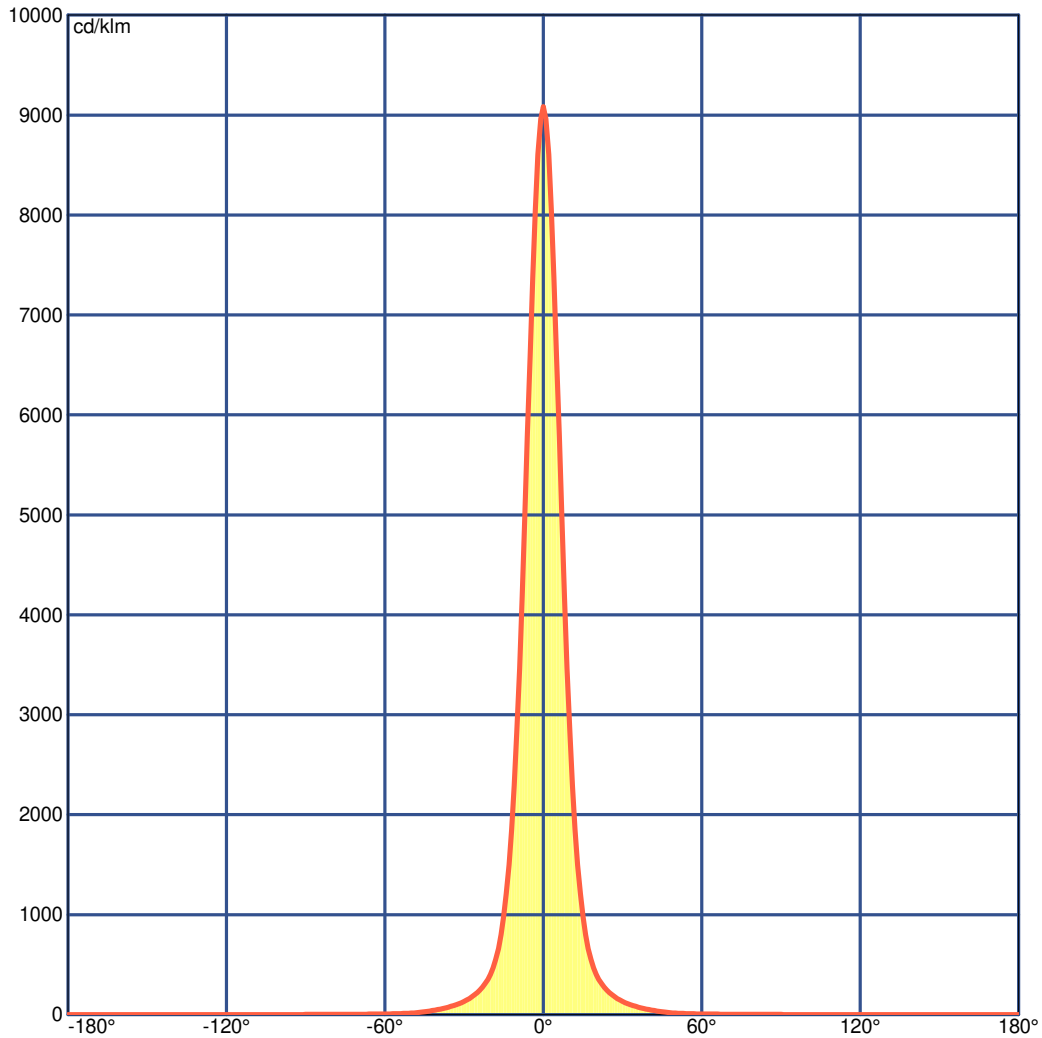
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UGR
S = 0.250

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
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	11.8	12.4	12.0	12.6	12.8	11.8	12.4	12.0	12.6	12.8
x=2H y=3H	12.0	12.6	12.2	12.8	13.0	12.0	12.6	12.2	12.8	13.0
x=2H y=4H	12.1	12.6	12.4	12.9	13.2	12.1	12.6	12.4	12.9	13.2
x=2H y=6H	12.2	12.7	12.5	13.0	13.3	12.2	12.7	12.5	13.0	13.3
x=2H y=8H	12.3	12.8	12.6	13.1	13.4	12.3	12.8	12.6	13.1	13.4
x=2H y=12H	12.4	12.8	12.7	13.2	13.5	12.4	12.8	12.7	13.2	13.5
x=4H y=2H	11.8	12.3	12.1	12.6	12.8	11.8	12.3	12.1	12.6	12.8
x=4H y=3H	12.1	12.6	12.4	12.9	13.2	12.1	12.6	12.4	12.9	13.2
x=4H y=4H	12.3	12.7	12.7	13.0	13.4	12.3	12.7	12.7	13.0	13.4
x=4H y=6H	12.5	12.9	12.9	13.2	13.6	12.5	12.9	12.9	13.2	13.6
x=4H y=8H	12.7	13.0	13.1	13.3	13.7	12.7	13.0	13.1	13.3	13.7
x=4H y=12H	12.8	13.1	13.2	13.5	13.9	12.8	13.1	13.2	13.5	13.9
x=8H y=4H	12.4	12.7	12.8	13.0	13.4	12.4	12.7	12.8	13.0	13.4
x=8H y=6H	12.7	12.9	13.1	13.3	13.8	12.7	12.9	13.1	13.3	13.8
x=8H y=8H	12.9	13.1	13.4	13.5	14.0	12.9	13.1	13.4	13.5	14.0
x=8H y=12H	13.1	13.3	13.6	13.8	14.3	13.1	13.3	13.6	13.8	14.3
x=12H y=4H	12.3	12.6	12.8	13.0	13.4	12.3	12.6	12.8	13.0	13.4
x=12H y=6H	12.7	12.9	13.2	13.4	13.8	12.7	12.9	13.2	13.4	13.8
x=12H y=8H	13.0	13.1	13.4	13.6	14.1	13.0	13.1	13.4	13.6	14.1

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Sources Flux	481.26 lm	Maximum value	9082.01 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Total Flux=481.26 Luminaire Flux=481.26

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.71	0.76	0.81	0.84	0.87	0.92	0.95	0.97	0.98	0.99	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

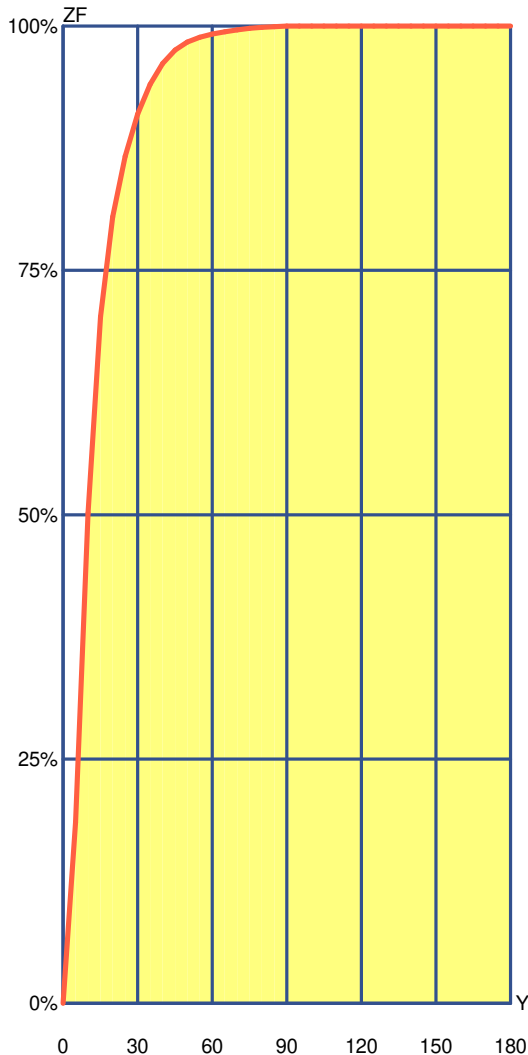
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	502	805	910	962	984	992	996	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

97 99 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	1.00 A	DLOR	100.00000 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	185.45	185.45	18.55 %	18.55 %
10°	316.35	501.80	31.63 %	50.18 %
15°	200.74	702.55	20.07 %	70.25 %
20°	102.35	804.89	10.23 %	80.49 %
25°	61.84	866.74	6.18 %	86.67 %
30°	43.12	909.85	4.31 %	90.99 %
35°	30.53	940.38	3.05 %	94.04 %
40°	21.26	961.64	2.13 %	96.16 %
45°	13.90	975.55	1.39 %	97.55 %
50°	8.07	983.61	0.81 %	98.36 %
55°	4.84	988.45	0.48 %	98.85 %
60°	3.32	991.77	0.33 %	99.18 %
65°	2.47	994.24	0.25 %	99.42 %
70°	1.93	996.17	0.19 %	99.62 %
75°	1.47	997.65	0.15 %	99.76 %
80°	1.08	998.73	0.11 %	99.87 %
85°	0.75	999.48	0.08 %	99.95 %
90°	0.52	1000.00	0.05 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

LEDS C4²

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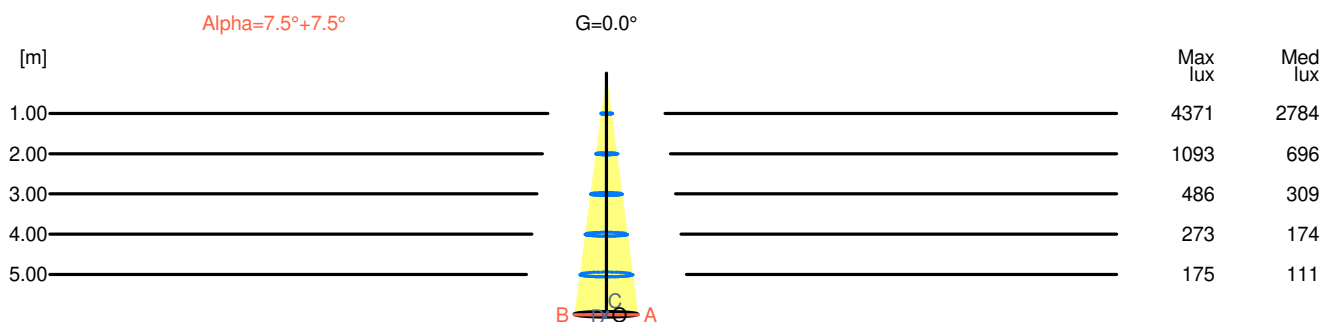
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Width at 50.00 % of Max Intensity

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	0.13	0.26	0.40	0.53	0.66	OC	0.13	0.26	0.40	0.53	0.66
OB	0.13	0.26	0.40	0.53	0.66	OD	0.13	0.26	0.40	0.53	0.66

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	4370.78	3177.52	472.28	105.86	39.10	13.15	4.23	2.11	1.15	0.54
OB	4370.78	3177.52	472.28	105.86	39.10	13.15	4.23	2.11	1.15	0.54
OC	4370.78	3177.52	472.28	105.86	39.10	13.15	4.23	2.11	1.15	0.54
OD	4370.78	3177.52	472.28	105.86	39.10	13.15	4.23	2.11	1.15	0.54



H[m]	D[m]	Max lux	Med lux	Alpha=7.5°+7.5°	G=0.0
1.00	0.26	4371	2784		
2.00	0.53	1093	696		
3.00	0.79	486	309		
4.00	1.06	273	174		
5.00	1.32	175	111		

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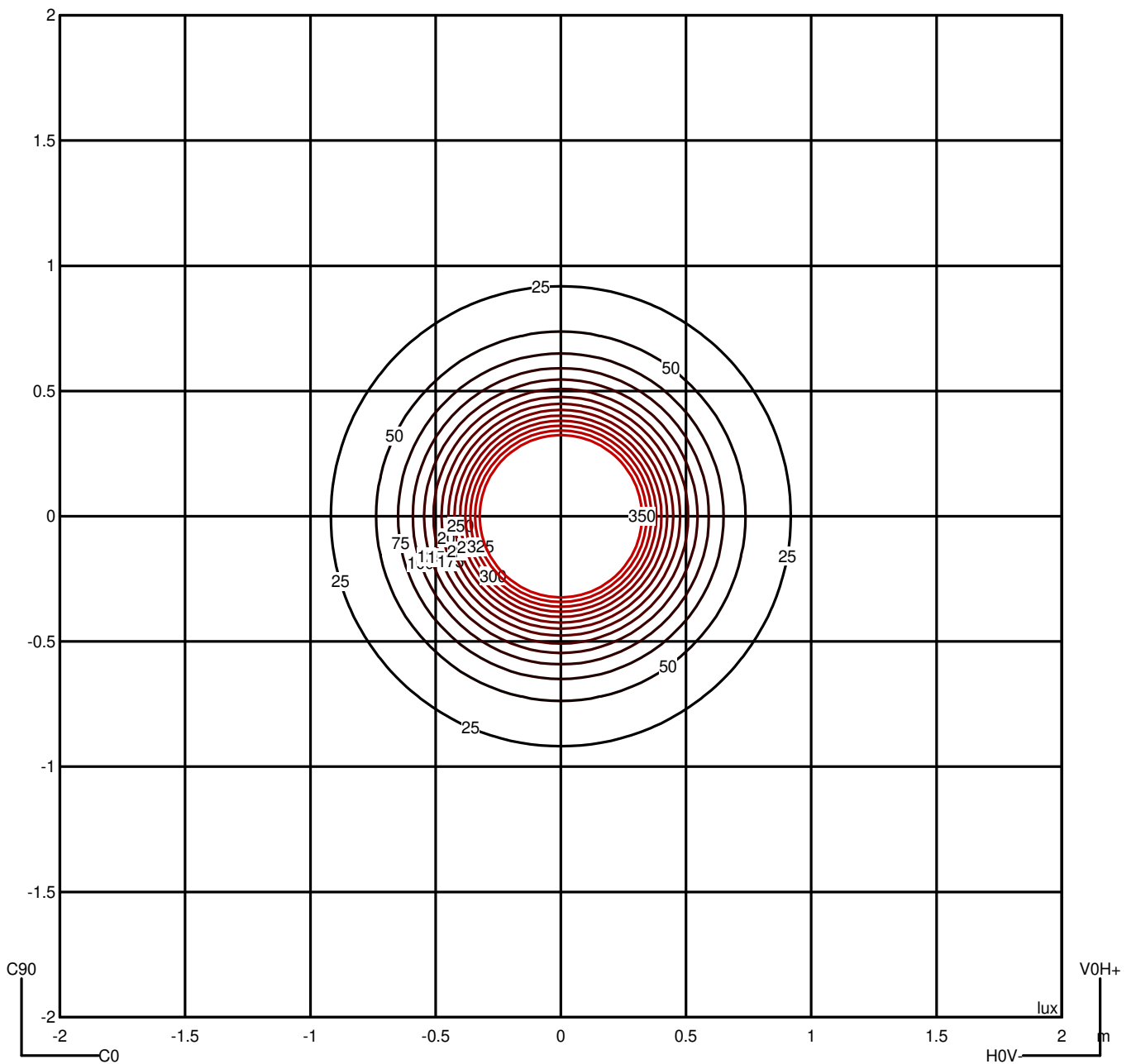
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Isolux (Floor)

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



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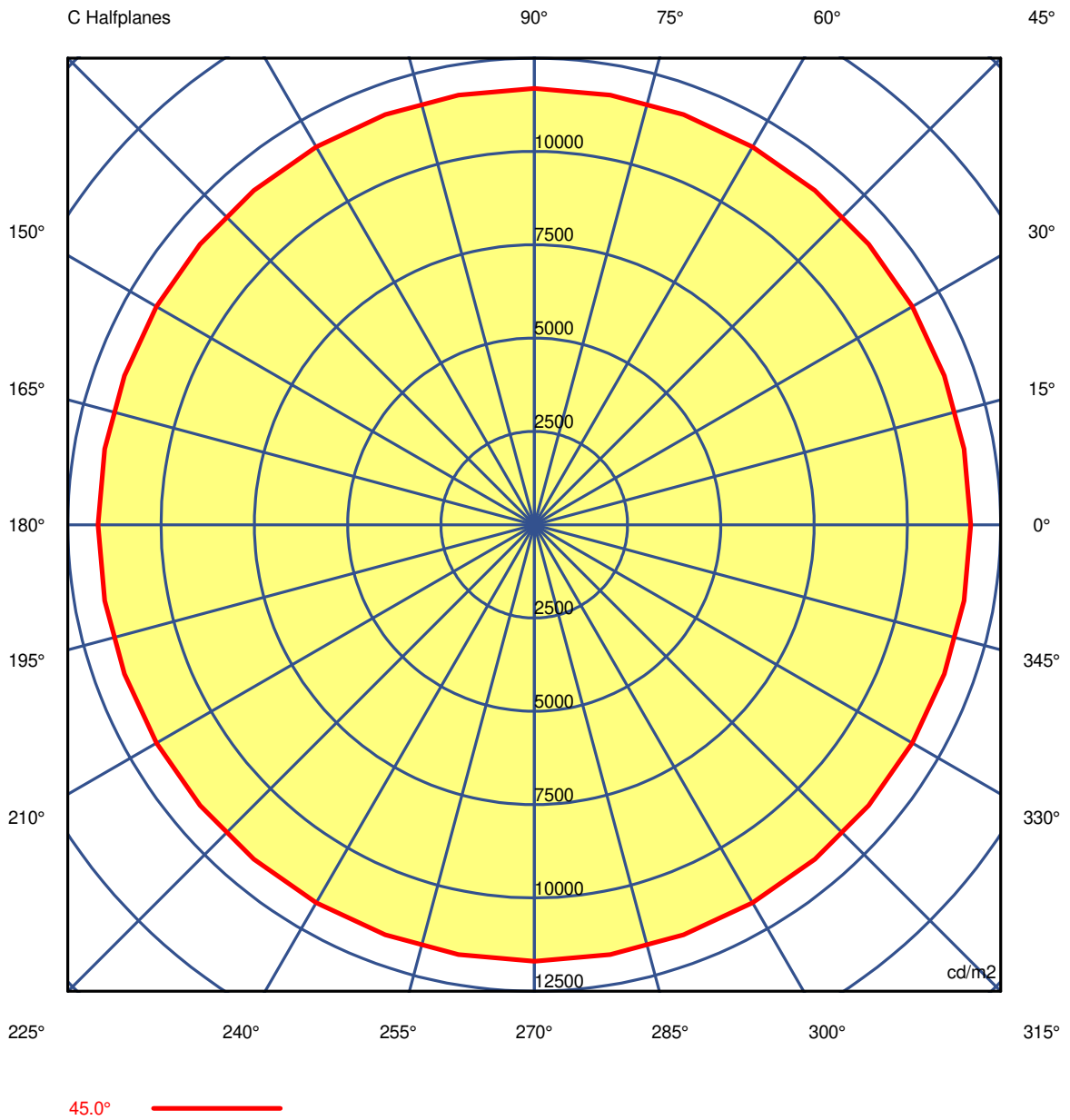
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Luminance



LEDS C4⁺

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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	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64
G 5.0	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53
G 10.0	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63
G 15.0	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85
G 20.0	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41
G 25.0	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83
G 30.0	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54
G 35.0	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32
G 40.0	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17
G 45.0	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45
G 50.0	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96
G 55.0	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18
G 60.0	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30
G 65.0	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09
G 70.0	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41
G 75.0	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76
G 80.0	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06
G 85.0	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Sources Flux	481.26 lm	Maximum value	9082.01 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	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64
G 5.0	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53
G 10.0	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63
G 15.0	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85
G 20.0	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41
G 25.0	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83
G 30.0	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54
G 35.0	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32
G 40.0	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17
G 45.0	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45
G 50.0	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96
G 55.0	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18
G 60.0	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30
G 65.0	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09
G 70.0	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41
G 75.0	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76
G 80.0	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06
G 85.0	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

LEDS C4[®]

Luminaire

Code AG59-P7V9S2BBDC

Name PLAY

Measurem.

Code AG59-P7V9S2BBDC

Name PLAY

Luminaire Flux	481.26 lm	Luminaire Power	8.60 W	Efficacy	55.96 lm/W	Efficiency	100.00%
Sources Flux	481.26 lm	Maximum value	9082.01 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	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64	2748173.64
G 5.0	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53	2005529.53
G 10.0	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63	867497.63
G 15.0	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85	307425.85
G 20.0	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41	129324.41
G 25.0	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83	73439.83
G 30.0	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54	45864.54
G 35.0	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32	30012.32
G 40.0	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17	19635.17
G 45.0	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45	11693.45
G 50.0	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96	6632.96
G 55.0	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18	4639.18
G 60.0	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30	3580.30
G 65.0	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09	3135.09
G 70.0	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41	2903.41
G 75.0	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76	2801.76
G 80.0	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06	2911.06
G 85.0	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60	3869.60
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00