

LEDS C4[®]

Luminaire

Code AG59-18V9S2BB55
Name PLAY

Measurum.

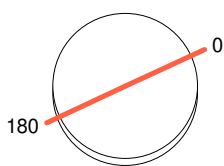
Code AG59-18V9S2BB55
Name PLAY

Luminaire Flux	1483.31 lm	Luminaire Power	21.60 W	Efficacy	68.67 lm/W	Efficiency	100.00%
Sources Flux	1483.31 lm	Maximum value	5746.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	48 mm	Height	98 mm		
Round Luminous Area		Diam.	45 mm	Height	0 mm		
Horizontal Luminous Area		0.001590 m ²		Emitting area on Plane 180°		0.000000 m ²	
Emitting area on Plane 0°		0.000000 m ²		Emitting area on Plane 270°		0.000000 m ²	
Emitting area on Plane 90°		0.000000 m ²		Glare area at 76°		0.000385 m ²	
Coordinate system		CG		Symmetry Type		Rotosymmetrical	
Date		13-03-2020		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		1577.99 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
	AG59-18V9S2BB55	AG59-18W9S2BB55	1483.31	21.60	1
C.I.E.	96 99 100 100 100	D DIN 5040	A60		
F UTE	1.00 A	B NBN	BZ 1		

Diam=48mm



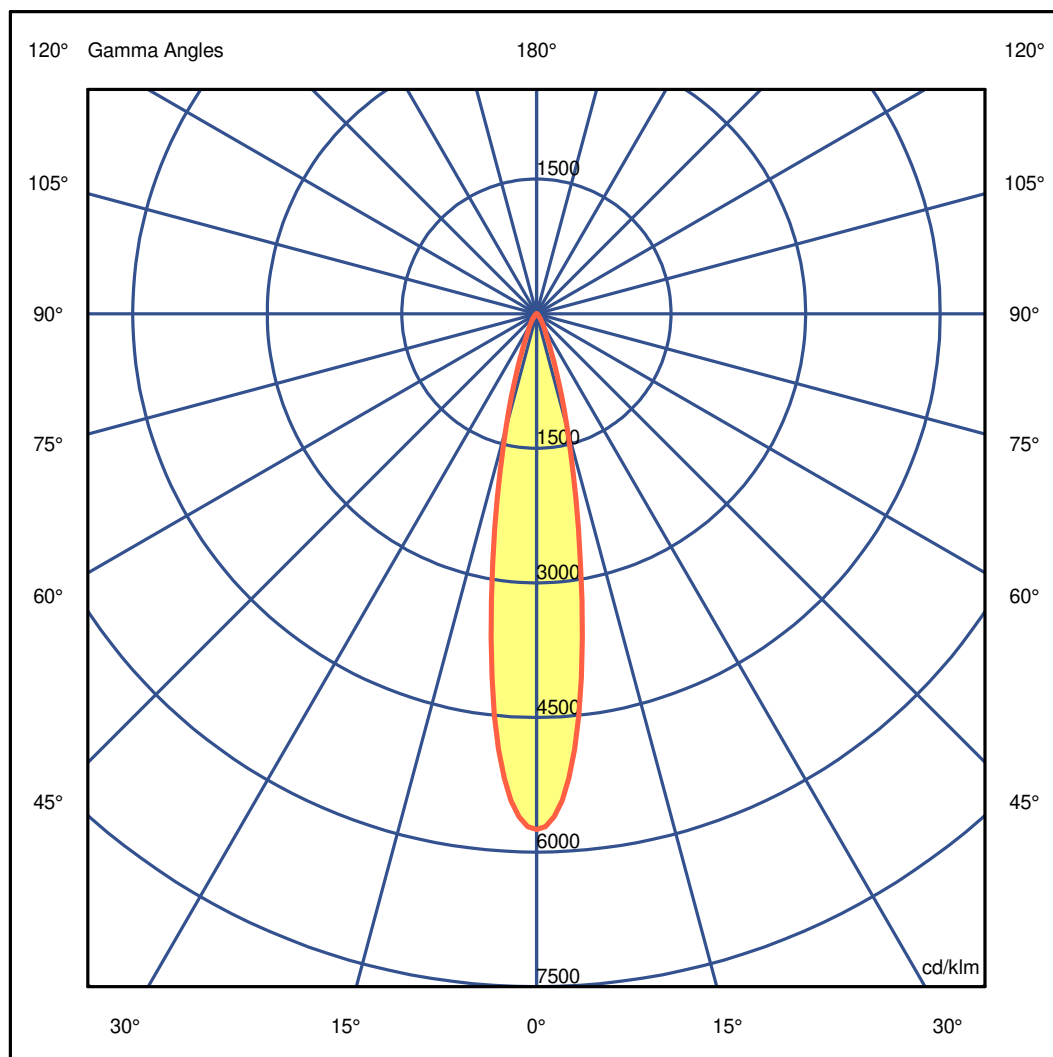
C Halfplanes

180.0 — 0.0

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %



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Measurem.

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Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 0.00	
G 0.0	5746.95	G 46.0	25.03
G 1.0	5714.44	G 47.0	22.12
G 2.0	5608.73	G 48.0	19.66
G 3.0	5431.92	G 49.0	17.82
G 4.0	5184.33	G 50.0	16.56
G 5.0	4868.98	G 51.0	15.56
G 6.0	4498.72	G 52.0	14.49
G 7.0	4083.89	G 53.0	13.31
G 8.0	3653.42	G 54.0	12.11
G 9.0	3227.62	G 55.0	11.03
G 10.0	2819.60	G 56.0	9.96
G 11.0	2442.32	G 57.0	9.01
G 12.0	2103.50	G 58.0	8.20
G 13.0	1808.66	G 59.0	7.52
G 14.0	1550.54	G 60.0	6.95
G 15.0	1326.63	G 61.0	6.48
G 16.0	1125.48	G 62.0	6.08
G 17.0	951.73	G 63.0	5.71
G 18.0	799.70	G 64.0	5.38
G 19.0	671.03	G 65.0	5.07
G 20.0	562.71	G 66.0	4.78
G 21.0	472.03	G 67.0	4.51
G 22.0	398.86	G 68.0	4.25
G 23.0	339.61	G 69.0	4.00
G 24.0	292.14	G 70.0	3.77
G 25.0	254.18	G 71.0	3.54
G 26.0	224.35	G 72.0	3.32
G 27.0	200.38	G 73.0	3.12
G 28.0	180.80	G 74.0	2.92
G 29.0	163.79	G 75.0	2.73
G 30.0	147.49	G 76.0	2.55
G 31.0	132.52	G 77.0	2.38
G 32.0	120.68	G 78.0	2.21
G 33.0	109.80	G 79.0	2.06
G 34.0	98.31	G 80.0	1.91
G 35.0	87.96	G 81.0	1.77
G 36.0	80.02	G 82.0	1.64
G 37.0	72.84	G 83.0	1.51
G 38.0	66.27	G 84.0	1.39
G 39.0	60.02	G 85.0	1.29
G 40.0	54.19	G 86.0	1.18
G 41.0	48.53	G 87.0	1.10
G 42.0	43.03	G 88.0	1.05
G 43.0	37.73	G 89.0	0.99
G 44.0	32.77	G 90.0	0.96
G 45.0	28.49		

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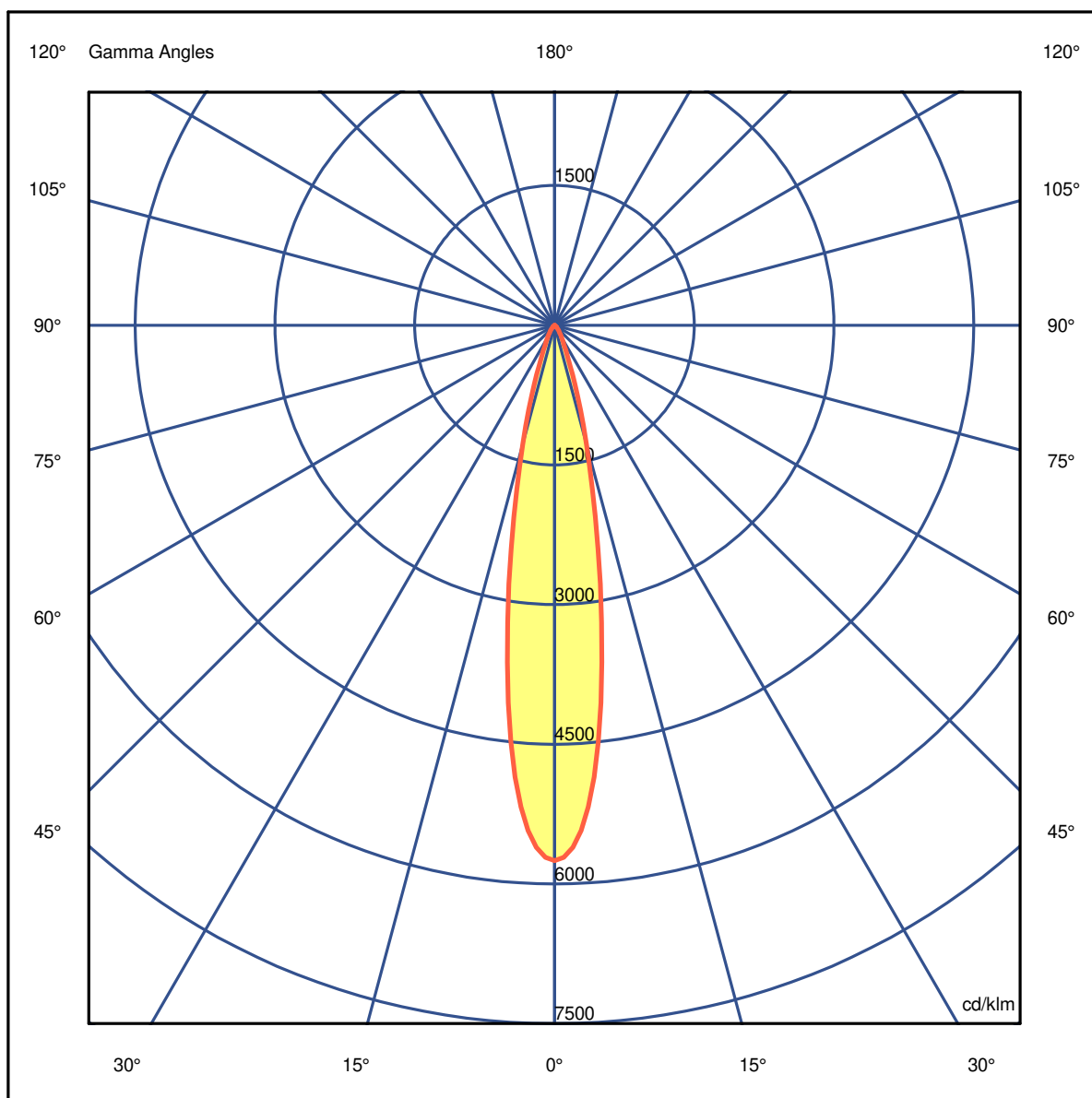
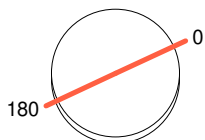
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Diam=48mm

C Halfplanes

180.0  0.0



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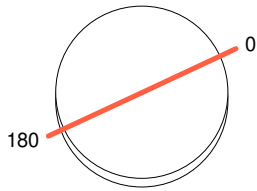
Measurem.

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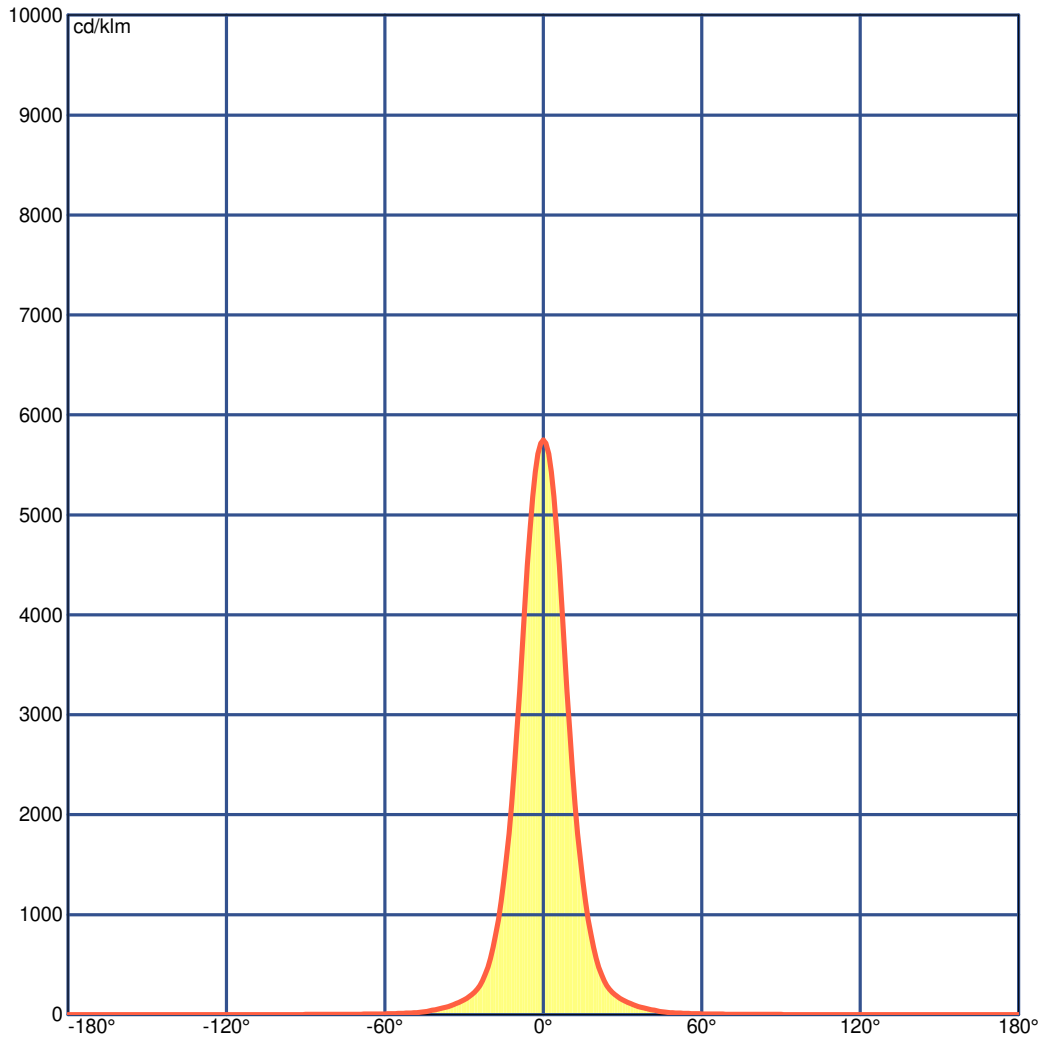
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180.0 ————— 0.0



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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	16.5	17.1	16.7	17.3	17.5	16.5	17.1	16.7	17.3	17.5
x=2H y=3H	16.7	17.3	17.0	17.5	17.8	16.7	17.3	17.0	17.5	17.8
x=2H y=4H	16.8	17.4	17.1	17.6	17.9	16.8	17.4	17.1	17.6	17.9
x=2H y=6H	16.9	17.5	17.3	17.7	18.0	16.9	17.5	17.3	17.7	18.0
x=2H y=8H	17.0	17.5	17.3	17.8	18.1	17.0	17.5	17.3	17.8	18.1
x=2H y=12H	17.1	17.6	17.4	17.9	18.2	17.1	17.6	17.4	17.9	18.2
x=4H y=2H	16.5	17.1	16.8	17.3	17.6	16.5	17.1	16.8	17.3	17.6
x=4H y=3H	16.8	17.3	17.2	17.6	17.9	16.8	17.3	17.2	17.6	17.9
x=4H y=4H	17.0	17.5	17.4	17.8	18.1	17.0	17.5	17.4	17.8	18.1
x=4H y=6H	17.3	17.6	17.7	18.0	18.4	17.3	17.6	17.7	18.0	18.4
x=4H y=8H	17.4	17.7	17.8	18.1	18.5	17.4	17.7	17.8	18.1	18.5
x=4H y=12H	17.6	17.8	18.0	18.2	18.7	17.6	17.8	18.0	18.2	18.7
x=8H y=4H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
x=8H y=6H	17.5	17.7	17.9	18.1	18.5	17.5	17.7	17.9	18.1	18.5
x=8H y=8H	17.7	17.9	18.1	18.3	18.8	17.7	17.9	18.1	18.3	18.8
x=8H y=12H	17.9	18.1	18.4	18.5	19.0	17.9	18.1	18.4	18.5	19.0
x=12H y=4H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
x=12H y=6H	17.5	17.7	17.9	18.1	18.6	17.5	17.7	17.9	18.1	18.6
x=12H y=8H	17.7	17.9	18.2	18.4	18.8	17.7	17.9	18.2	18.4	18.8

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Sources Flux	1483.31 lm	Maximum value	5746.95 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Total Flux=1483.31 Luminaire Flux=1483.31

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	0.80	0.84	0.87	0.91	0.94	0.96	0.98	0.99	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

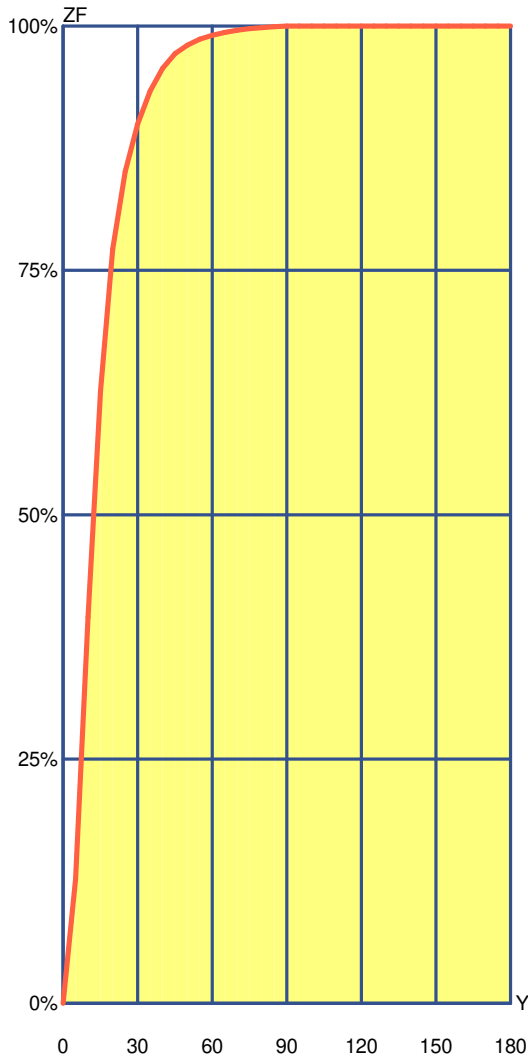
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	395	772	900	957	980	991	996	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

96 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°	126.93	126.93	12.69 %	12.69 %
10°	268.37	395.29	26.84 %	39.53 %
15°	231.19	626.49	23.12 %	62.65 %
20°	145.32	771.81	14.53 %	77.18 %
25°	79.10	850.91	7.91 %	85.09 %
30°	48.76	899.67	4.88 %	89.97 %
35°	33.92	933.59	3.39 %	93.36 %
40°	23.27	956.86	2.33 %	95.69 %
45°	14.99	971.85	1.50 %	97.19 %
50°	8.63	980.48	0.86 %	98.05 %
55°	6.01	986.49	0.60 %	98.65 %
60°	4.03	990.52	0.40 %	99.05 %
65°	2.88	993.40	0.29 %	99.34 %
70°	2.22	995.63	0.22 %	99.56 %
75°	1.69	997.31	0.17 %	99.73 %
80°	1.23	998.54	0.12 %	99.85 %
85°	0.86	999.40	0.09 %	99.94 %
90°	0.60	1000.00	0.06 %	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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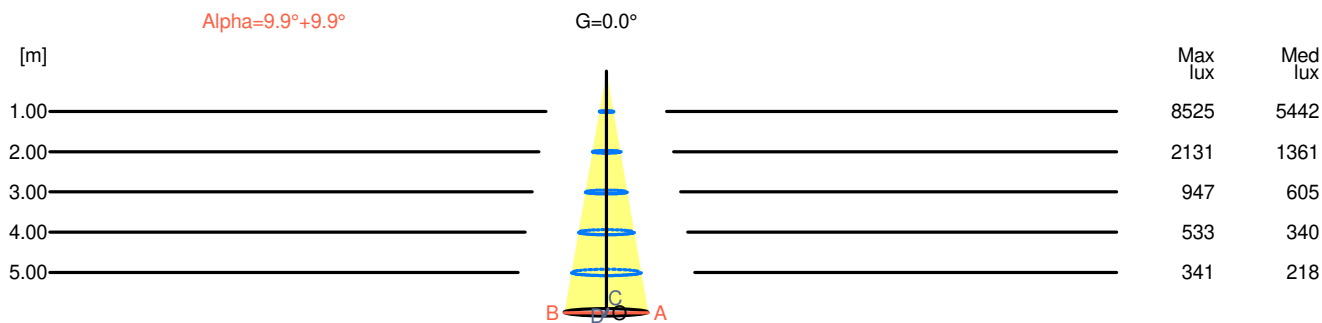
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Width at 50.00 % of Max Intensity

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	0.17	0.35	0.52	0.70	0.87	OC	0.17	0.35	0.52	0.70	0.87
OB	0.17	0.35	0.52	0.70	0.87	OD	0.17	0.35	0.52	0.70	0.87

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	8524.52	7222.21	1967.81	377.02	130.48	42.26	16.36	7.52	4.04	1.91
OB	8524.52	7222.21	1967.81	377.02	130.48	42.26	16.36	7.52	4.04	1.91
OC	8524.52	7222.21	1967.81	377.02	130.48	42.26	16.36	7.52	4.04	1.91
OD	8524.52	7222.21	1967.81	377.02	130.48	42.26	16.36	7.52	4.04	1.91



H[m]	D[m]	Max lux	Med lux	Alpha=9.9°+9.9°	G=0.0
1.00	0.35	8525	5442		
2.00	0.70	2131	1361		
3.00	1.04	947	605		
4.00	1.39	533	340		
5.00	1.74	341	218		

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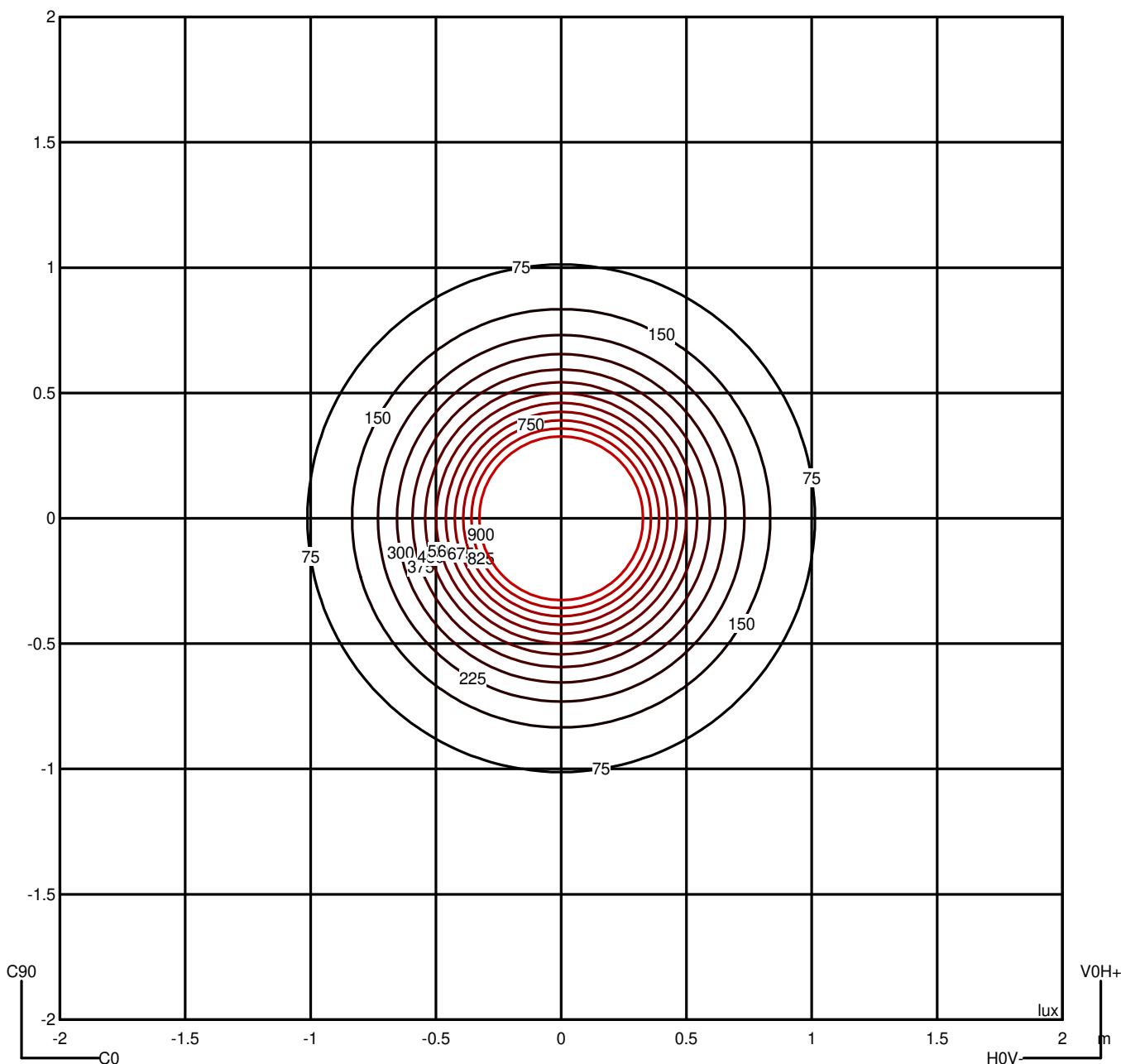
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Isolux (Floor)

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



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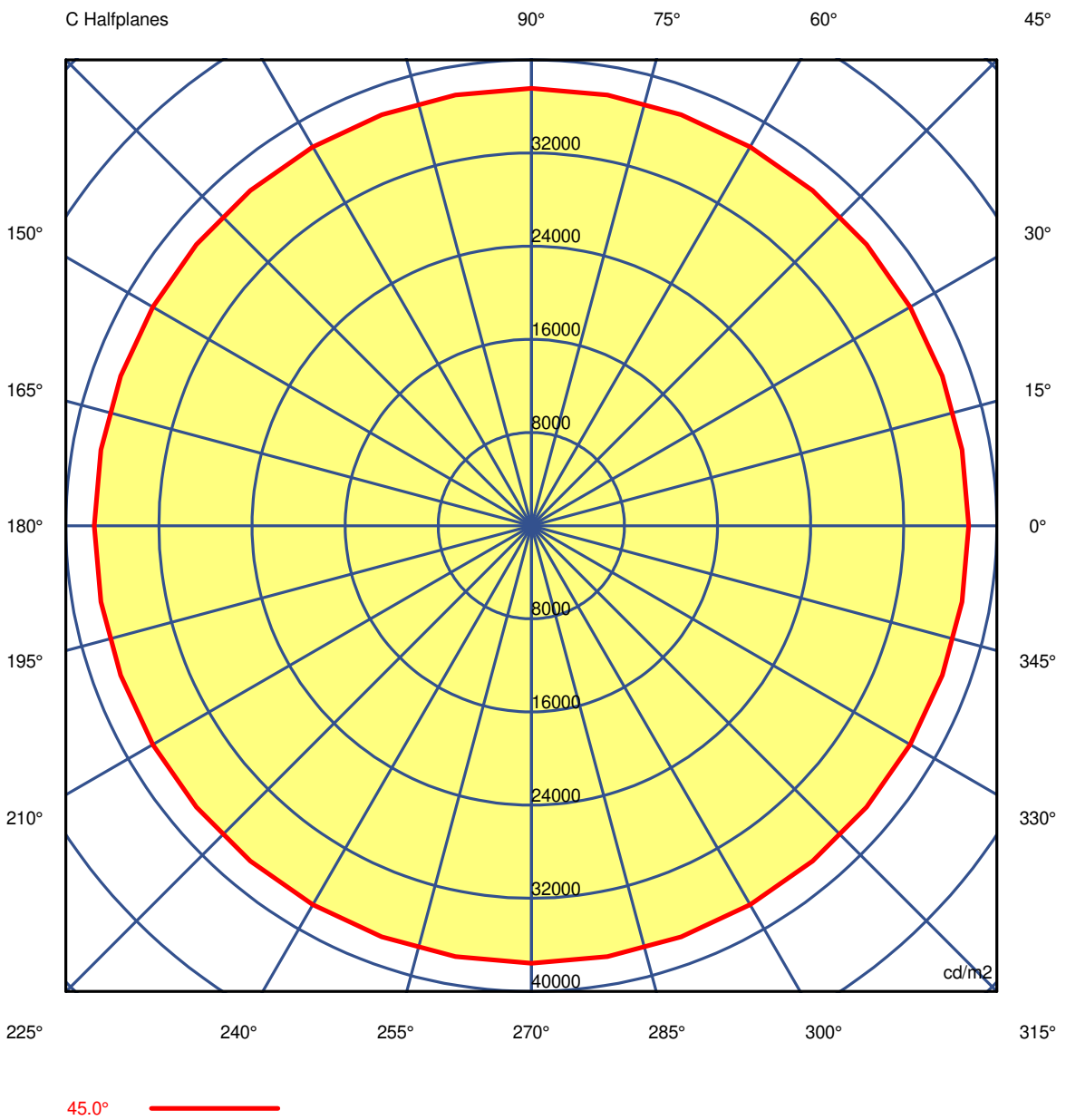
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Luminance



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	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99
G 5.0	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11
G 10.0	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11
G 15.0	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69
G 20.0	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52
G 25.0	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27
G 30.0	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01
G 35.0	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61
G 40.0	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96
G 45.0	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62
G 50.0	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63
G 55.0	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23
G 60.0	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24
G 65.0	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72
G 70.0	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35
G 75.0	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29
G 80.0	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49
G 85.0	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82
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	1483.31 lm	Maximum value	5746.95 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	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99
G 5.0	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11
G 10.0	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11
G 15.0	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69
G 20.0	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52
G 25.0	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27
G 30.0	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01
G 35.0	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61
G 40.0	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96
G 45.0	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62
G 50.0	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63
G 55.0	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23
G 60.0	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24
G 65.0	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72
G 70.0	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35
G 75.0	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29
G 80.0	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49
G 85.0	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82
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 AG59-18V9S2BB55
Name PLAY

Measurem.

Code AG59-18V9S2BB55
Name PLAY

Luminaire Flux	1483.31 lm	Luminaire Power	21.60 W	Efficacy	68.67 lm/W	Efficiency	100.00%
Sources Flux	1483.31 lm	Maximum value	5746.95 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	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99	5359879.99
G 5.0	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11	4558384.11
G 10.0	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11	2670256.11
G 15.0	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69	1280925.69
G 20.0	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52	558486.52
G 25.0	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27	261563.27
G 30.0	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01	158836.01
G 35.0	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61	100149.61
G 40.0	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96	65970.96
G 45.0	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62	37577.62
G 50.0	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63	24033.63
G 55.0	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23	17936.23
G 60.0	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24	12958.24
G 65.0	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72	11189.72
G 70.0	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35	10282.35
G 75.0	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29	9820.29
G 80.0	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49	10243.49
G 85.0	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82	13761.82
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00