

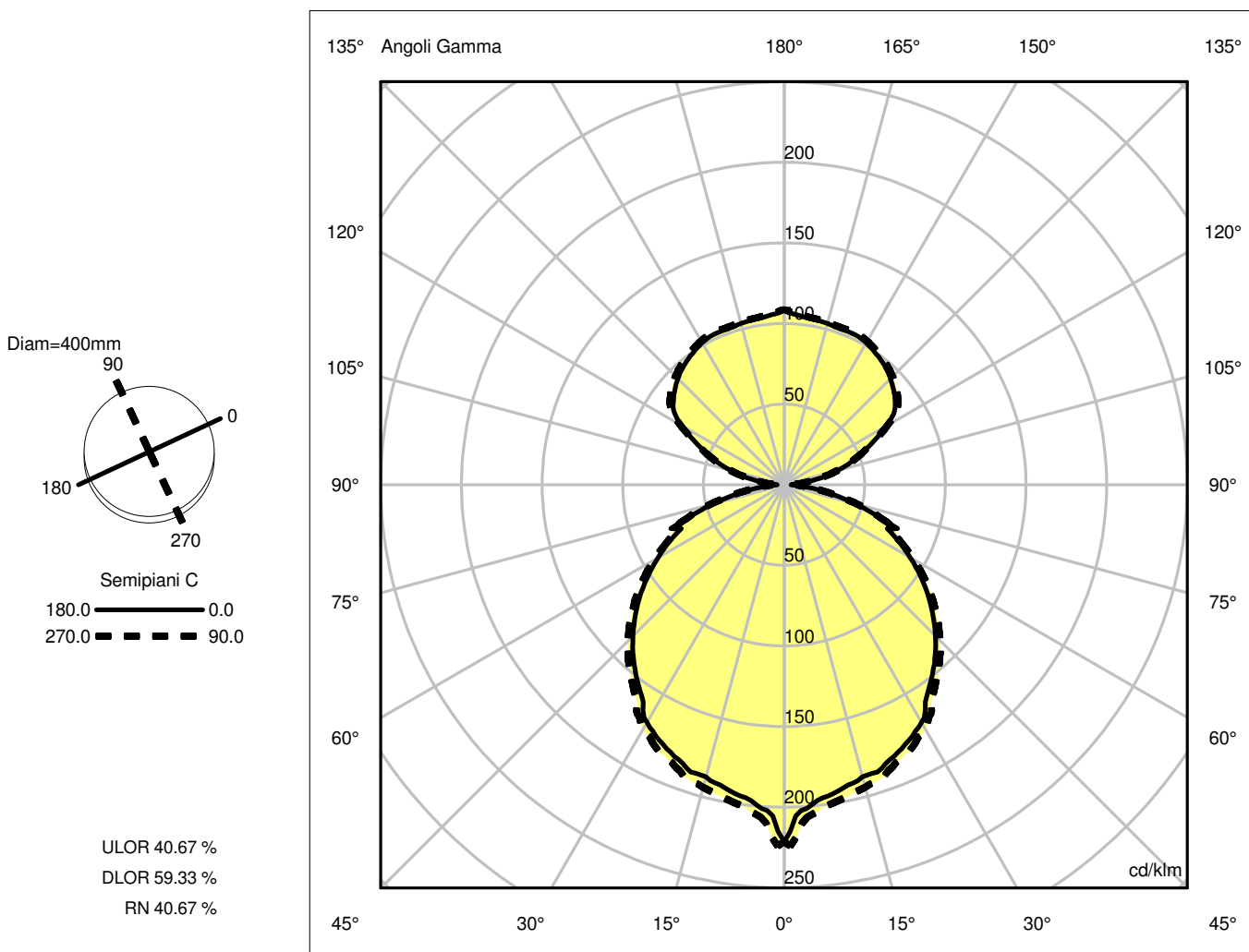
## Luminaire

Code 0353038A  
Name ORSA CLUSTER 3 USA

## Measurem.

Code FTS1700552  
Name ORSA CLUSTER 3 USA

Luminaire Flux	1686.00 lm	Luminaire Power	22.00 W	Efficacy	76.64 lm/W	Efficiency	100.00%
Lamps Flux	1686.00 lm	Maximum value	224.16 cd/klm	Position	C=90.00 G=1.00	CG	Double Symmetrical
Round Luminaire		Diam.	400 mm	Height	600 mm		
Round Luminous Area		Diam.	400 mm	Height	50 mm		
Horizontal Luminous Area		0.125664 m <sup>2</sup>		Emitting area on Plane 180°		0.020000 m <sup>2</sup>	
Emitting area on Plane 0°		0.020000 m <sup>2</sup>		Emitting area on Plane 270°		0.020000 m <sup>2</sup>	
Emitting area on Plane 90°		0.020000 m <sup>2</sup>		Glare area at 76°		0.049807 m <sup>2</sup>	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		15-06-2017		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		1686.00 lm	
LED Flux=1812,9lm LED Power=19W Eff=93% EfcLed=95lm/W EfcLum=77lm/W Ra=90 SDCM=2 L90(6K)=50000h							
C.I.E.	45 76 94 59 100			D DIN 5040		C31	
F UTE	0.59 E + 0.41 T			B NBN		BZ 5	



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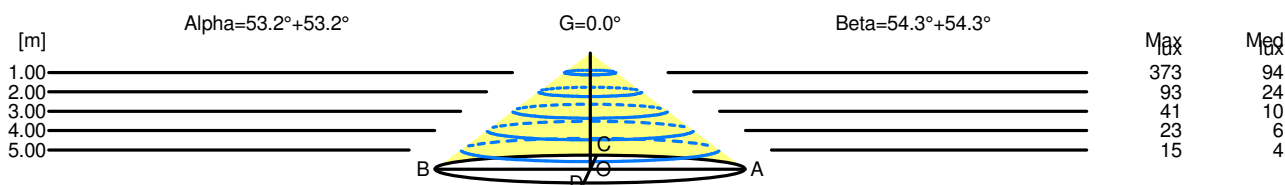
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Name ORSA CLUSTER 3 USA

Luminaire Flux	1686.00 lm	Luminaire Power	22.00 W	Efficacy	76.64 lm/W	Efficiency	100.00%
Lamps Flux	1686.00 lm	Maximum value	224.16 cd/klm	Position	C=90.00 G=1.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	400 mm 400 mm	Height Height	600 mm 50 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.125664 m2 0.020000 m2 0.020000 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.020000 m2 0.020000 m2 0.049807 m2	
Coordinate system Date Measurement Distance		CG 15-06-2017 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 180 1686.00 lm	
LED Flux=1812,9lm LED Power=19W Eff=93% EfcLed=95lm/W EfcLum=77lm/W Ra=90 SDCM=2 L90(6K)=50000h							
C.I.E. F UTE	45 76 94 59 100 0.59 E + 0.41 T			D DIN 5040 B NBN	C31 BZ 5		

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	1.33	2.67	4.00	5.34	6.67	OC	1.39	2.78	4.17	5.56	6.95
OB	1.33	2.67	4.00	5.34	6.67	OD	1.39	2.78	4.17	5.56	6.95

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	373.37	335.70	315.87	299.30	262.81	223.51	177.59	127.48	77.86	21.84
OB	373.37	335.70	315.87	299.30	262.81	223.51	177.59	127.48	77.86	21.84
OC	373.37	345.38	327.65	308.52	270.26	231.10	182.71	130.00	81.44	23.13
OD	373.37	345.38	327.65	308.52	270.26	231.10	182.71	130.00	81.44	23.13



H[m]	D[m]	Max lux	Med lux	Alpha=53.2°+53.2°	G=0.0
1.00	2.67	373	94		
2.00	5.34	93	24		
3.00	8.01	41	10		
4.00	10.68	23	6		
5.00	13.35	15	4		

H[m]	D[m]	Max lux	Med lux	Beta=54.3°+54.3°	G=0.0
1.00	2.78	373	94		
2.00	5.56	93	24		
3.00	8.34	41	10		
4.00	11.12	23	6		
5.00	13.90	15	4		