

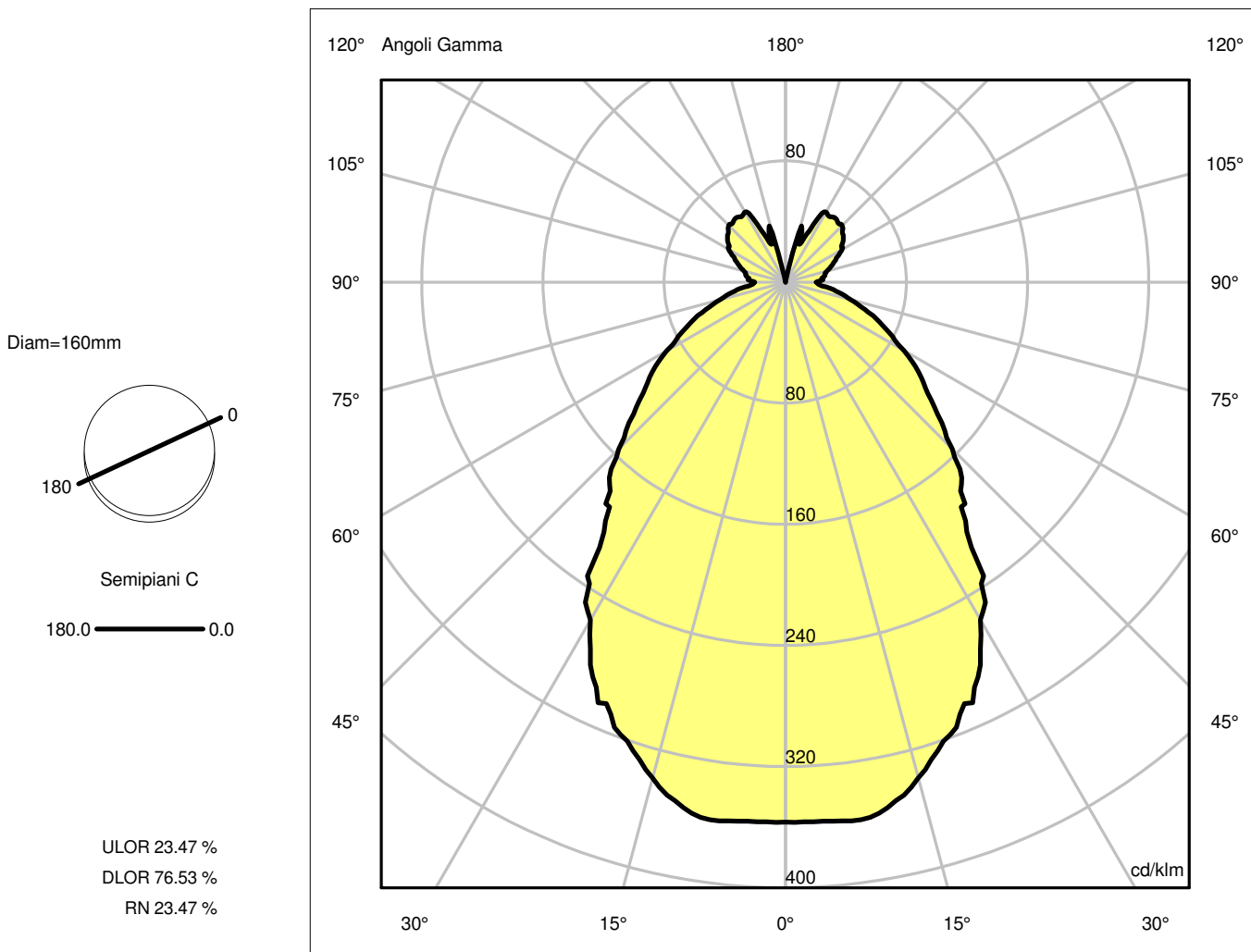
Luminaire

Code 1814018A
Name EMPATIA 16 WALL/CEIL LED 11W 30K WHITE UNV - USA

Measurem.

Code FTS1701159
Name EMPATIA 16 WALL/CEIL LED 11W 30K WHITE UNV - USA

Luminaire Flux	567.00 lm	Luminaire Power	11.00 W	Efficacy	51.55 lm/W	Efficiency	100.00%
Lamps Flux	567.00 lm	Maximum value	358.51 cd/klm	Position	C=0.00 G=7.00	CG	Rotosymmetrical
Round Luminaire Round Luminous Area	Diam. 160 mm Diam. 160 mm	Height	200 mm	Height	145 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.020106 m2 0.023200 m2 0.023200 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°			0.023200 m2 0.023200 m2 0.027375 m2		
Coordinate system Date Measurement Distance	CG 16-01-2000 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux			Rotosymmetrical 180 567.00 lm		
LED Flux=1027,13lm LED Power=9,4W Eff=55% EfcLed=109lm/W EfcLum=52lm/W Ra=90 SDCM=2 L70(6K)=36300h							
C.I.E. F UTE	55 81 94 77 100 0.77 D + 0.23 T	D DIN 5040 B NBN		B41 BZ 3 / 0.8 / BZ 4			



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Measurement

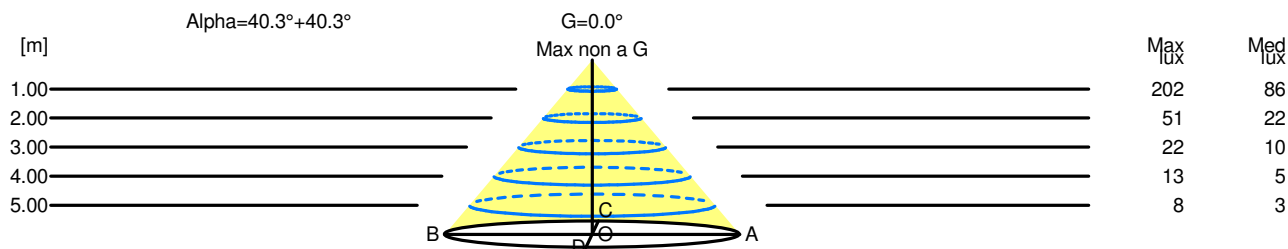
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Lamps Flux	567.00 lm	Maximum value	358.51 cd/klm	Position	C=0.00 G=7.00	CG	Rotosymmetrical
Round Luminaire		Diam.	160 mm	Height	200 mm		
Round Luminous Area		Diam.	160 mm	Height	145 mm		
Horizontal Luminous Area	0.020106 m2			Emitting area on Plane 180°	0.023200 m2		
Emitting area on Plane 0°	0.023200 m2			Emitting area on Plane 270°	0.023200 m2		
Emitting area on Plane 90°	0.023200 m2			Glare area at 76°	0.027375 m2		
Coordinate system	CG	Symmetry Type		Maximum Gamma Angle	180		Rotosymmetrical
Date	16-01-2000	Measurement Flux			567.00 lm		
Measurement Distance	0.00						
LED Flux=1027,13lm LED Power=9,4W Eff=55% EfcLed=109lm/W EfcLum=52lm/W Ra=90 SDCM=2 L70(6K)=36300h							
C.I.E.	55 81 94 77 100	D DIN 5040		B41			
F UTE	0.77 D + 0.23 T	B NBN		BZ 3 / 0.8 / BZ 4			

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	0.85	1.69	2.54	3.39	4.23	OC	0.85	1.69	2.54	3.39	4.23
OB	0.85	1.69	2.54	3.39	4.23	OD	0.85	1.69	2.54	3.39	4.23

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	202.20	202.56	192.24	167.44	121.39	88.29	62.06	41.53	25.28	13.05
OB	202.20	202.56	192.24	167.44	121.39	88.29	62.06	41.53	25.28	13.05
OC	202.20	202.56	192.24	167.44	121.39	88.29	62.06	41.53	25.28	13.05
OD	202.20	202.56	192.24	167.44	121.39	88.29	62.06	41.53	25.28	13.05



H[m]	D[m]	Max lux	Med lux	Alpha=40.3°+40.3°	G=0.0 Max non a G
1.00	1.69	202	86		
2.00	3.39	51	22		
3.00	5.08	22	10		
4.00	6.77	13	5		
5.00	8.47	8	3		