

#### Luminaire

Code M22847-5-U-E  
Name M22 845 mm 3000K CRI90 UGR

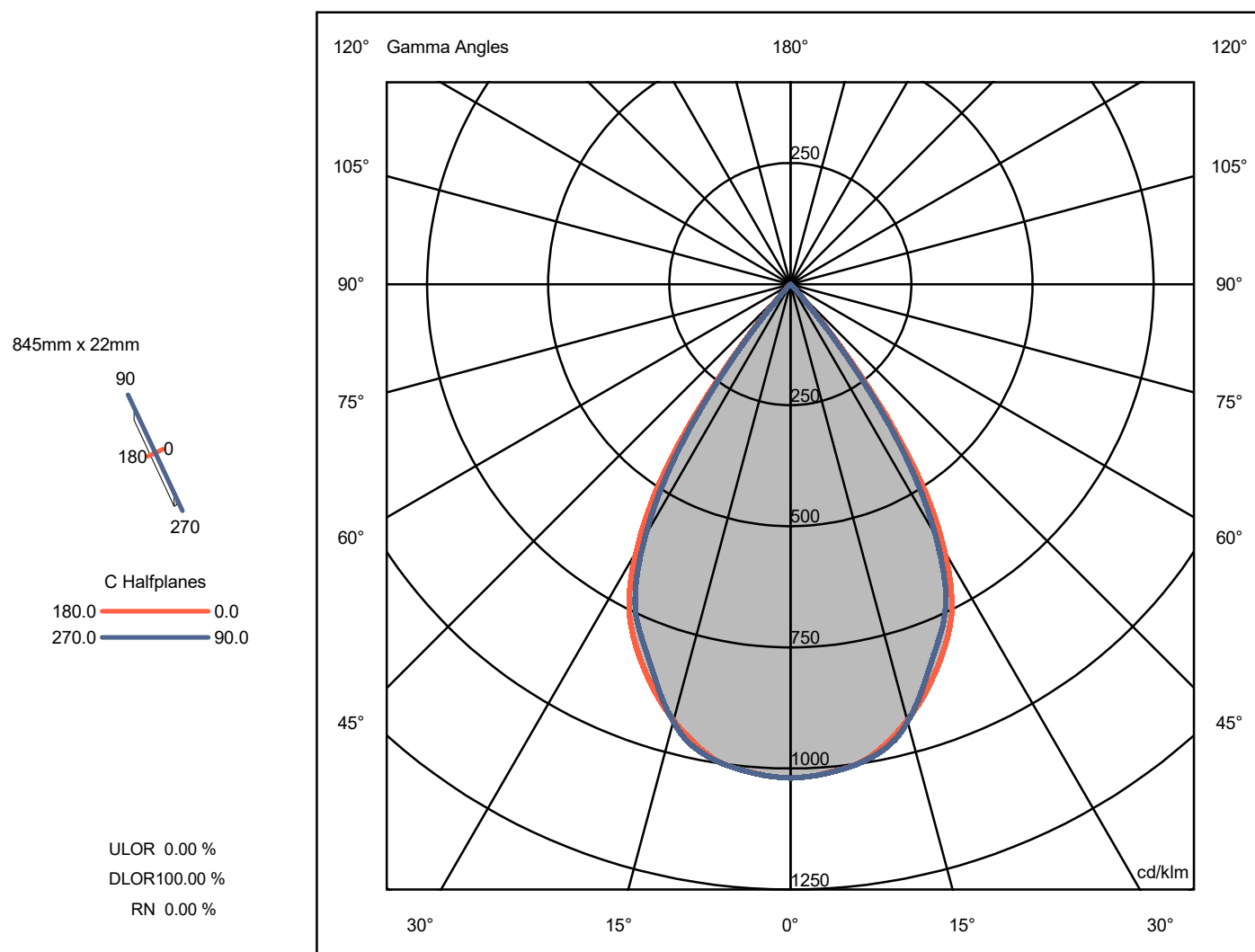
#### Measurem.

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Luminaire Flux	1531 lm	Luminaire Power	16.2 W	Efficacy	94.537 lm/W	Efficiency	100.00%
Source Flux	1532 lm	Maximum value	1019.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	845 mm	Width	22 mm	Height	25 mm
Rectangular Luminous Area		Length	830 mm	Width	14 mm	Height	0 mm
Horizontal Luminous Area		0.011620 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°		0.002811 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		14-06-2018		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		1532 lm	
Operator		7.47.38		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

#### Luminaire Sources

Line		Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
				1531.50	16.20	1
C.I.E.	97	100	D DIN 5040	A60		
F UTE	--	100	B NBN	BZ 1		



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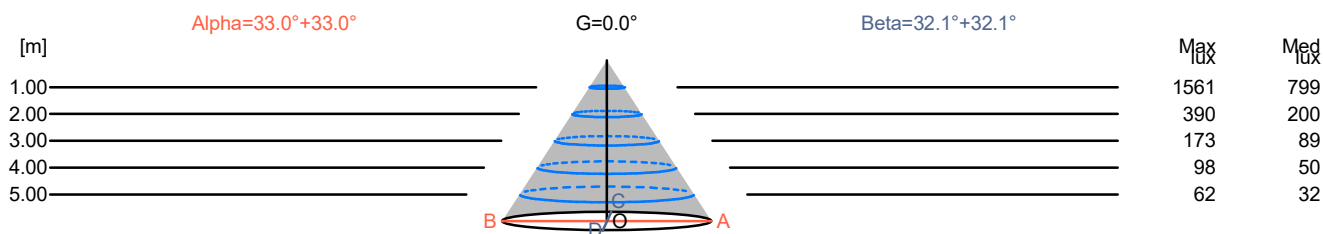
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Width at 50.00 % of Max Intensity

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	0.65	1.30	1.95	2.60	3.25	OC	0.63	1.25	1.88	2.51	3.14
OB	0.65	1.30	1.95	2.60	3.25	OD	0.63	1.25	1.88	2.51	3.14

	0	5	15	25	35	45	55	65	75	85
OA	1561.36	1546.47	1427.55	1193.67	616.33	11.06	1.91	0.95	0.49	0.12
OB	1561.36	1546.47	1427.55	1193.67	616.33	11.06	1.91	0.95	0.49	0.12
OC	1561.36	1547.27	1432.48	1155.12	550.63	10.92	1.96	0.95	0.47	0.11
OD	1561.36	1547.27	1432.48	1155.12	550.63	10.92	1.96	0.95	0.47	0.11



H[m]	D[m]	Max lux	Med lux	Alpha=33.0°+33.0°	G=0.0
1.00	1.30	1561	799		
2.00	2.60	390	200		
3.00	3.90	173	89		
4.00	5.20	98	50		
5.00	6.50	62	32		

H[m]	D[m]	Max lux	Med lux	Beta=32.1°+32.1°	G=0.0
1.00	1.25	1561	799		
2.00	2.51	390	200		
3.00	3.76	173	89		
4.00	5.02	98	50		
5.00	6.27	62	32		

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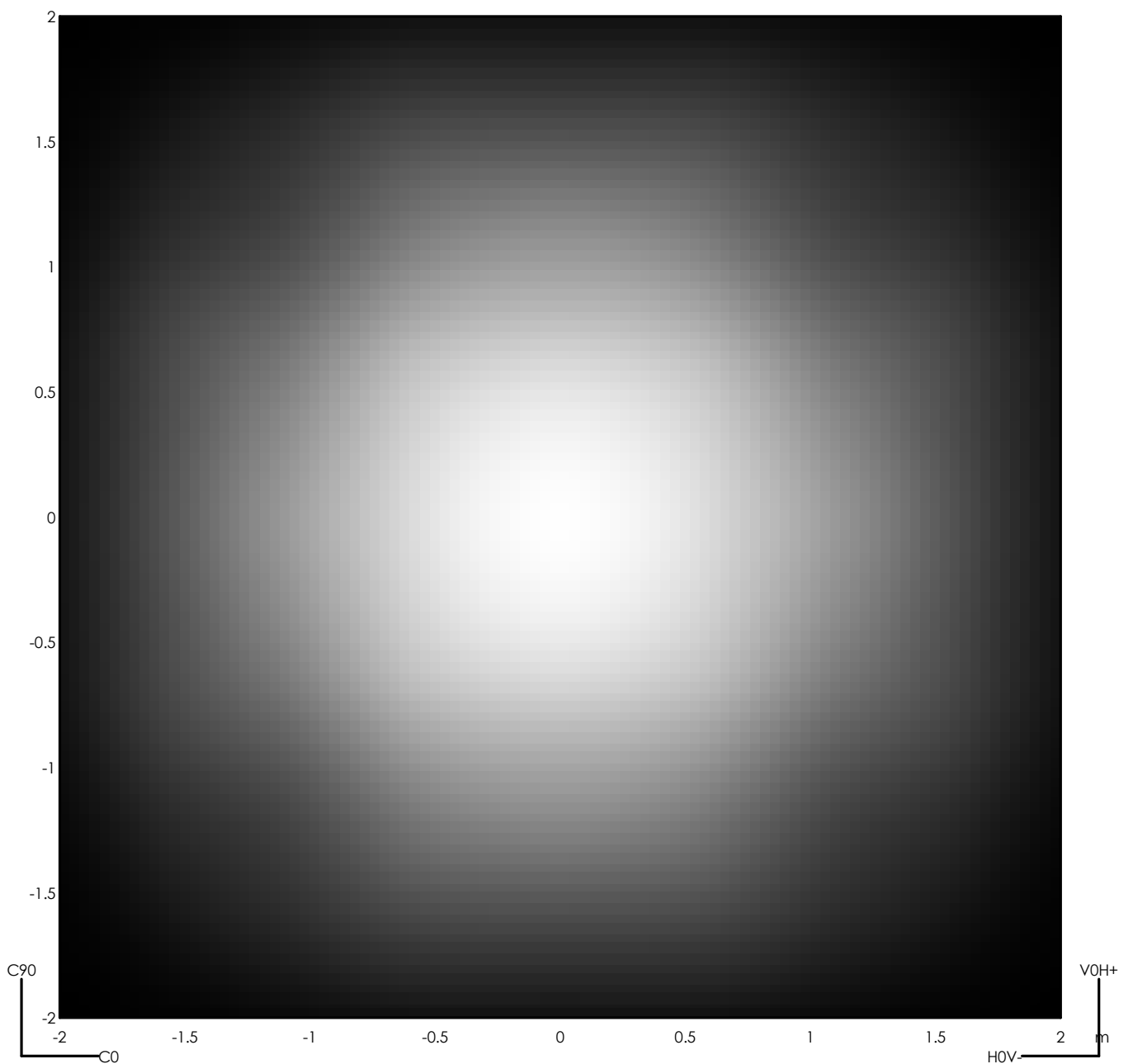
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Isolux (Floor)

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



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**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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	18.7	19.3	18.9	19.5	19.7	18.3	19.0	18.6	19.2	19.4
x=2H y=3H	18.5	19.1	18.8	19.4	19.6	18.2	18.8	18.5	19.0	19.2
x=2H y=4H	18.5	19.0	18.8	19.3	19.5	18.1	18.7	18.4	18.9	19.2
x=2H y=6H	18.4	18.9	18.7	19.2	19.5	18.0	18.6	18.4	18.8	19.1
x=2H y=8H	18.3	18.8	18.7	19.1	19.4	18.0	18.5	18.3	18.8	19.1
x=2H y=12H	18.3	18.8	18.6	19.1	19.4	18.0	18.4	18.3	18.7	19.0
x=4H y=2H	18.5	19.0	18.8	19.3	19.5	18.1	18.7	18.4	18.9	19.2
x=4H y=3H	18.3	18.8	18.6	19.1	19.4	18.0	18.4	18.3	18.7	19.0
x=4H y=4H	18.2	18.6	18.6	19.0	19.3	17.9	18.3	18.3	18.6	19.0
x=4H y=6H	18.2	18.5	18.6	18.9	19.2	17.8	18.2	18.2	18.5	18.9
x=4H y=8H	18.1	18.4	18.5	18.8	19.2	17.8	18.1	18.2	18.5	18.9
x=4H y=12H	18.1	18.3	18.5	18.7	19.1	17.7	18.0	18.2	18.4	18.8
x=8H y=4H	18.1	18.4	18.5	18.8	19.2	17.8	18.1	18.2	18.5	18.9
x=8H y=6H	18.0	18.2	18.5	18.7	19.1	17.7	17.9	18.1	18.3	18.8
x=8H y=8H	18.0	18.2	18.4	18.6	19.1	17.7	17.8	18.1	18.3	18.7
x=8H y=12H	17.9	18.1	18.4	18.5	19.0	17.6	17.8	18.1	18.2	18.7
x=12H y=4H	18.1	18.3	18.5	18.7	19.1	17.7	18.0	18.2	18.4	18.8
x=12H y=6H	18.0	18.2	18.4	18.6	19.1	17.6	17.8	18.1	18.3	18.7
x=12H y=8H	17.9	18.1	18.4	18.5	19.0	17.6	17.8	18.1	18.2	18.7

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Average Luminance										
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	1346	474	286	225	193	176	162	167	123	---
90.0°	1329	464	294	227	193	173	158	161	111	---

Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55

