



IDEA

/BALIZA OLAF 2.4W 18° (37.AB12.222_._)



Light Output Ratio:	26.8%	
Luminaire Power:	1.985 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2024-09-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.220m [K=1.0000]
Remarks:

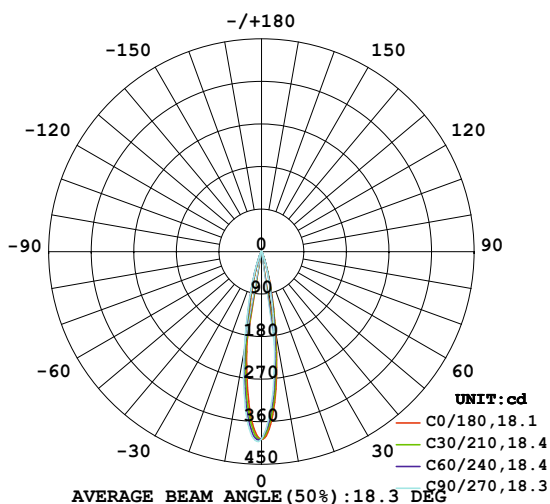


LUMINAIRE PHOTOMETRIC TEST REPORT

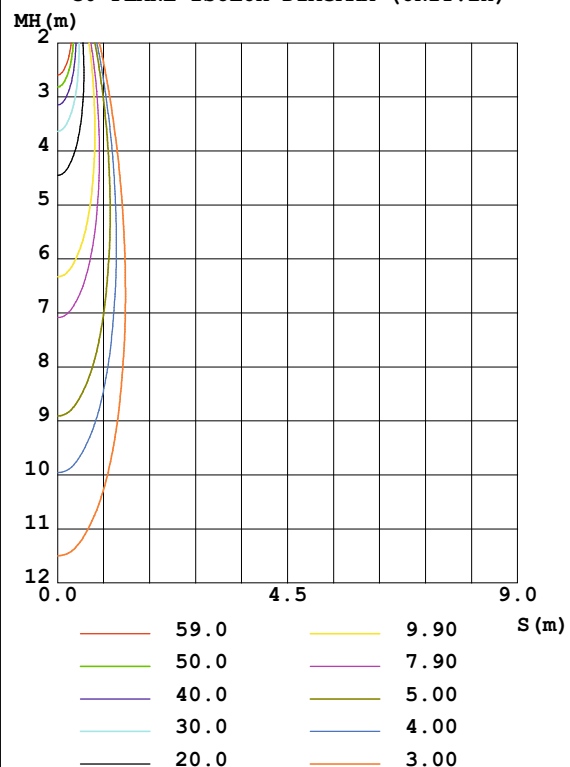
Test:U:23.999V I:0.0827A P:1.9847W PF:1.0000 Freq:0Hz Lamp Flux:202.17x1 lm		
NAME: BALIZA OLAF 2.4W 18°	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2400330
MFR.: IDEA ILUMINACIÓN S.A.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 27.34 lm/W
MODEL	37.AB12.222_._	I _{max} (cd)	402.5	S/MH (C0/180)	0.31	
NOMINAL POWER (W)	2	LOR (%)	26.8	S/MH (C90/270)	0.36	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	54.256	η UP, DN (C0-180)	0.0, 12.1	
NOMINAL FLUX (lm)	202.17	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 14.7	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	24	η down (%)	26.8	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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Remarks:



ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	173.9	160.3	145.8	152.4	171.7	195.1	211.3	198.4	0- 10	25.73	25.73	47.4,12.7
20	24.52	22.85	20.28	21.24	25.27	30.32	32.94	29.75	10- 20	21.07	46.80	86.3,23.1
30	3.694	3.564	3.346	3.430	3.970	4.554	4.650	4.207	20- 30	4.873	51.67	95.2,25.6
40	1.423	1.390	1.357	1.377	1.493	1.570	1.567	1.514	30- 40	1.423	53.09	97.9,26.3
50	0.6518	0.6187	0.5777	0.6425	0.7137	0.7751	0.8119	0.7307	40- 50	0.8208	53.91	99.4,26.7
60	0.1047	0.0964	0.0800	0.1003	0.1281	0.1406	0.1610	0.1364	50- 60	0.3154	54.23	100,26.8
70	0	0	0	0	0	0	0	0	60- 70	0.0269	54.26	100,26.8
80	0	0	0	0	0	0	0	0	70- 80	0	54.26	100,26.8
90	0	0	0	0	0	0	0	0	80- 90	0	54.26	100,26.8
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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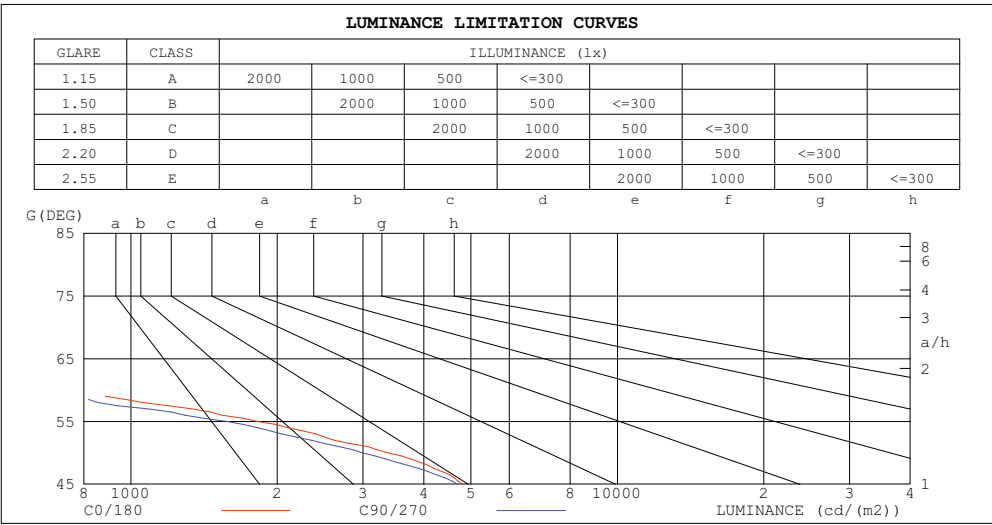


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LUMINANCE LIMITATION CURVES

Test:U:23.999V I:0.0827A P:1.9847W PF:1.0000 Freq:0Hz Lamp Flux:202.17x1 lm		
NAME: BALIZA OLAF 2.4W 18°	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2400330
MFR.: IDEA ILUMINACIÓN S.A.	SUR.:	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	0	0
65	1	0
60	698	534
55	1825	1584
50	3380	2996
45	4812	4693

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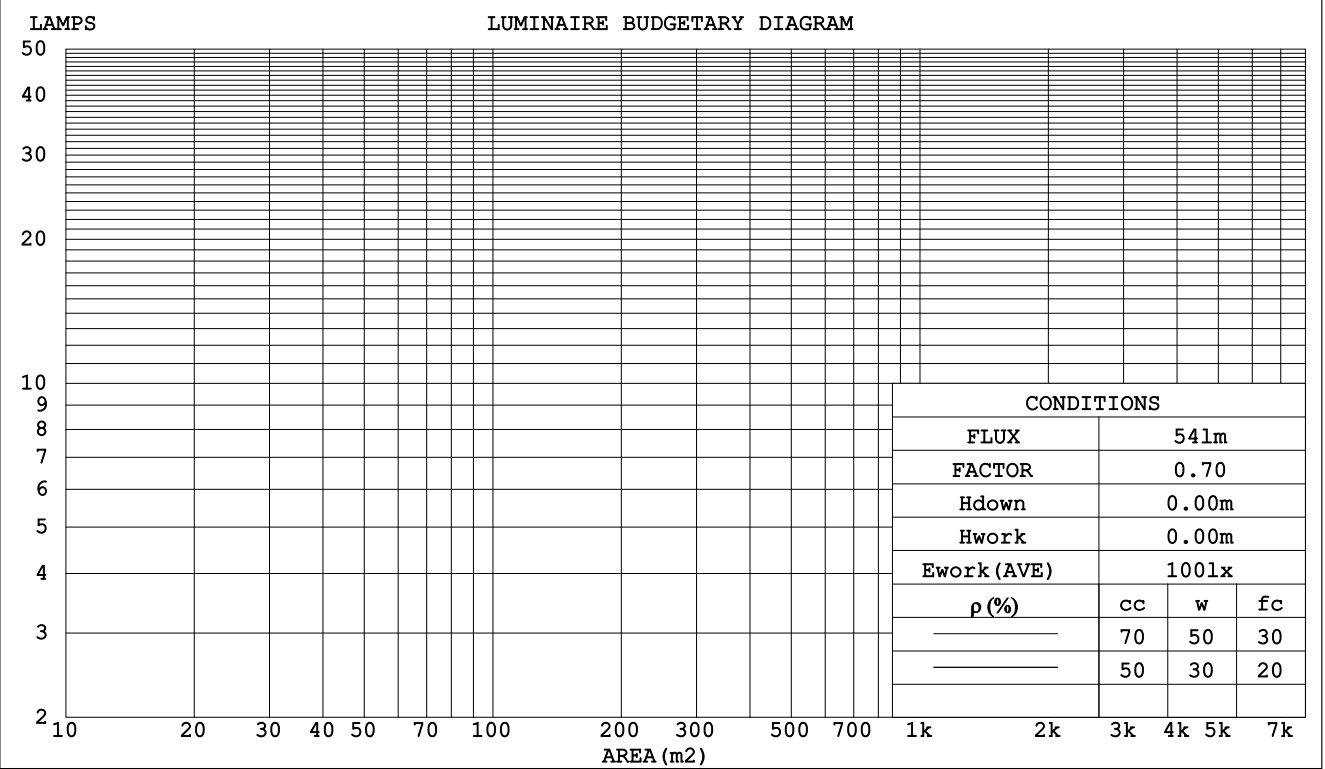


/BALIZA OLAF 2.4W 18° (37.AB12.222_._)

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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Lamp Flux:202.17x1 lm		
NAME: BALIZA OLAF 2.4W 18°	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2400330
MFR.: IDEA ILUMINACIÓN S.A.	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.32	.32	.32	.31	.31	.31	.30	.30	.30	.29	.29	.29	.27	.27	.27	.27
1.0	.30	.30	.30	.30	.29	.29	.29	.28	.28	.28	.28	.27	.27	.27	.27	.26
2.0	.29	.28	.28	.29	.28	.27	.28	.27	.27	.27	.27	.26	.26	.26	.26	.25
3.0	.28	.27	.26	.28	.27	.26	.27	.26	.26	.26	.26	.25	.26	.25	.25	.25
4.0	.27	.26	.25	.27	.26	.25	.26	.26	.25	.26	.25	.25	.25	.25	.24	.24
5.0	.26	.25	.24	.26	.25	.24	.26	.25	.24	.25	.25	.24	.25	.24	.24	.24
6.0	.25	.24	.24	.25	.24	.24	.25	.24	.24	.25	.24	.23	.24	.24	.23	.23
7.0	.25	.24	.23	.25	.24	.23	.24	.24	.23	.24	.23	.23	.24	.23	.23	.22
8.0	.24	.23	.23	.24	.23	.22	.24	.23	.22	.24	.23	.22	.23	.23	.22	.22
9.0	.24	.23	.22	.24	.23	.22	.23	.22	.22	.23	.22	.22	.23	.22	.22	.22
10.0	.23	.22	.22	.23	.22	.21	.23	.22	.21	.23	.22	.21	.23	.22	.21	.21



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UGR(Unified Glare Rating) Table

Test:U:23.999V I:0.0827A P:1.9847W PF:1.0000 Freq:0Hz Lamp Flux:202.17x1 lm											
NAME: BALIZA OLAF 2.4W 18°					TYPE: LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.: 2400330			
MFR.: IDEA ILUMINACIÓN S.A.					SUR.:			Shielding Angle:			
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		Viewed crosswise					Viewed endwise				
x = 2H y = 2H		6.4	7.0	6.6	7.1	7.3	6.0	6.6	6.2	6.7	6.9
3H		6.2	6.8	6.5	7.0	7.2	5.9	6.4	6.1	6.6	6.8
4H		6.2	6.7	6.4	6.9	7.1	5.8	6.3	6.0	6.5	6.7
6H		6.1	6.6	6.3	6.8	7.0	5.7	6.2	6.0	6.4	6.6
8H		6.0	6.5	6.3	6.8	7.0	5.6	6.1	5.9	6.4	6.6
12H		6.0	6.5	6.3	6.7	7.0	5.6	6.1	5.9	6.3	6.6
4H	2H	6.2	6.7	6.5	6.9	7.1	5.8	6.4	6.1	6.6	6.8
	3H	6.0	6.5	6.3	6.8	7.0	5.7	6.1	6.0	6.4	6.7
	4H	5.9	6.4	6.3	6.7	7.0	5.6	6.0	5.9	6.3	6.6
	6H	5.8	6.2	6.2	6.5	6.9	5.5	5.8	5.8	6.2	6.5
	8H	5.8	6.1	6.2	6.5	6.8	5.4	5.8	5.8	6.1	6.5
8H	12H	5.7	6.1	6.1	6.4	6.8	5.4	5.7	5.8	6.0	6.4
	4H	5.8	6.1	6.2	6.5	6.8	5.4	5.8	5.8	6.1	6.5
	6H	5.7	6.0	6.1	6.4	6.8	5.3	5.6	5.7	6.0	6.4
	8H	5.6	5.9	6.0	6.3	6.7	5.2	5.5	5.7	5.9	6.3
	12H	5.5	5.8	6.0	6.2	6.7	5.2	5.4	5.6	5.8	6.3
12H	4H	5.7	6.1	6.1	6.4	6.8	5.4	5.7	5.8	6.0	6.4
	6H	5.6	5.9	6.0	6.3	6.7	5.2	5.5	5.7	5.9	6.3
	8H	5.5	5.8	6.0	6.2	6.7	5.2	5.4	5.6	5.8	6.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 2.2 / - 5.9					+ 2.3 / - 6.9				
1.5H		+ 2.0 / - 3.9					+ 2.0 / - 4.6				
2.0H		+ 4.8 / -19.3					+ 5.0 / -44.7				

CIE Pub.117, 202.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -5.6)
Area: 0.0003 m2

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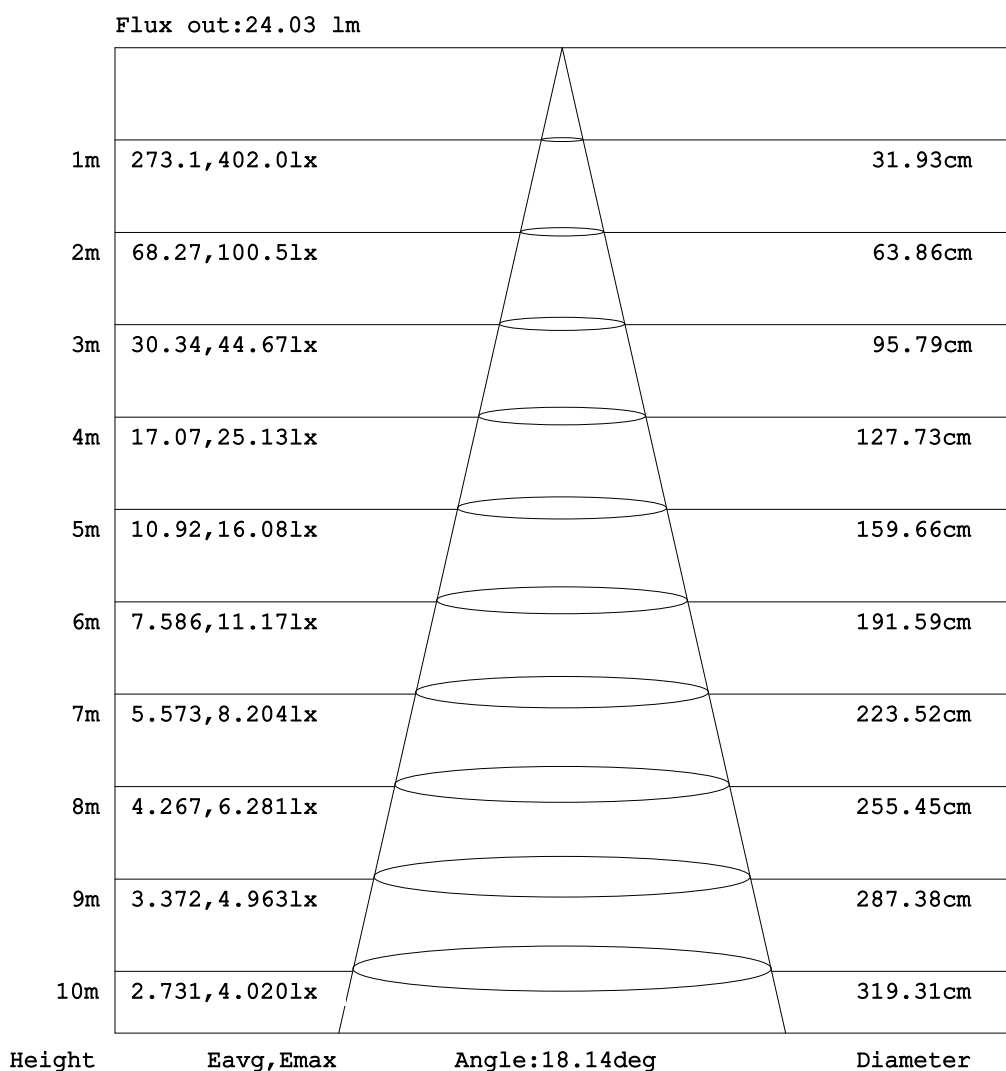
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AAI Figure

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MFR.: IDEA ILUMINACIÓN S.A.	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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LUMINOUS DISTRIBUTION INTENSITY DATA

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MFR.: IDEA ILUMINACIÓN S.A.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

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