

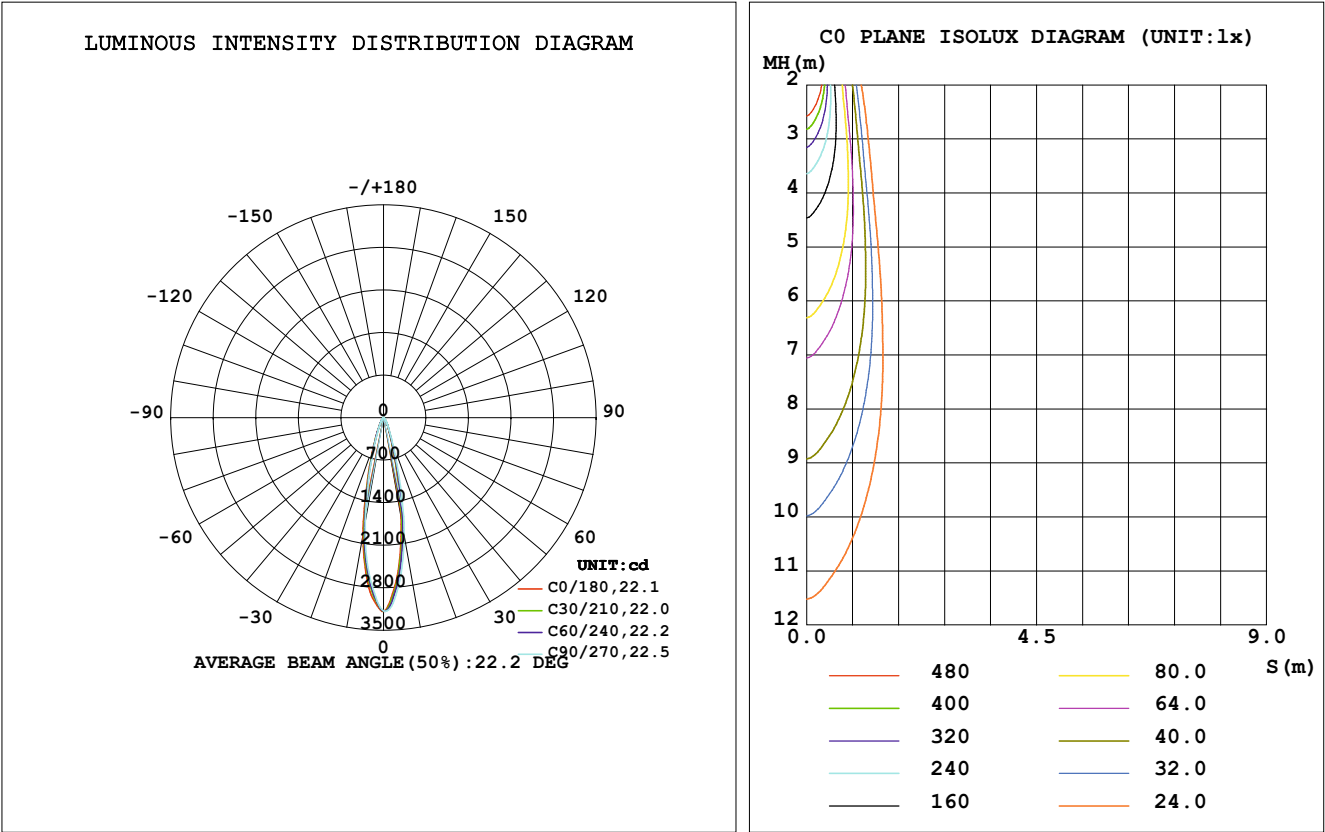


/EMPOTRABLE FEDRO 2.0 MINI 6W 22° (06.71.0_71_._)

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:10.071V I:0.7000A P:7.0497W PF:1.0000 Freq:0Hz Lamp Flux:813.17x1 lm		
NAME: EMPOTRABLE FEDRO 2.0 MINI 6W 22°	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2400553
MFR.: IDEA ILUMINACIÓN S.A.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.15 lm/W
MODEL	06.71.0_71_._	I _{max} (cd)	3188	S/MH (C0/180)	0.40	
NOMINAL POWER (W)	7	LOR (%)	81.6	S/MH (C90/270)	0.36	
RATED VOLTAGE (V)	10	TOTAL FLUX (lm)	663.72	η UP, DN (C0-180)	0.0, 41.5	
NOMINAL FLUX (lm)	813.17	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 40.1	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	10	η down (%)	81.6	CIBSE SHR MAX	0.30	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2024-11-23

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:



ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1679	1798	1968	2025	1954	1834	1729	1670	0- 10	230.0	230.0	34.7,28.3
20	341.9	364.2	426.3	452.1	457.5	422.5	390.2	367.4	10- 20	253.0	483.1	72.8,59.4
30	115.6	122.4	125.5	122.3	117.4	115.2	108.7	108.8	20- 30	98.93	582.0	87.7,71.6
40	36.49	39.26	45.34	45.39	43.81	42.69	39.24	36.74	30- 40	44.30	626.3	94.4,77
50	14.50	14.66	18.10	19.72	19.30	18.75	17.65	15.99	40- 50	20.92	647.2	97.5,79.6
60	6.488	6.224	7.873	7.731	6.562	6.911	6.937	6.204	50- 60	10.14	657.3	99,80.8
70	2.133	2.180	2.535	2.414	2.394	2.254	2.531	2.226	60- 70	4.224	661.6	99.7,81.4
80	0.8931	0.9154	0.9950	1.016	0.9217	1.112	1.053	0.9077	70- 80	1.604	663.2	99.9,81.6
90	0	0.0361	0.0402	0.0602	0.0562	0.1285	0.1928	0.1285	80- 90	0.5563	663.7	100,81.6
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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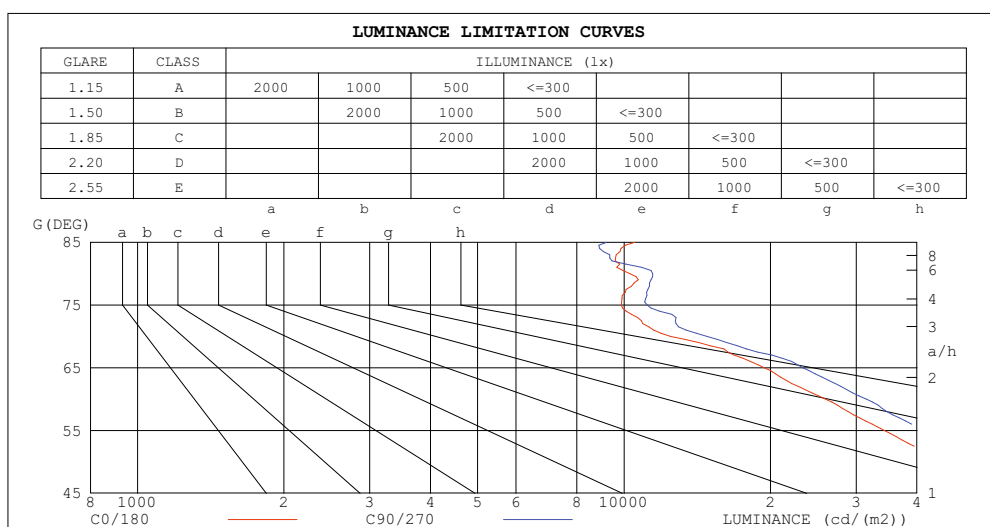
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IDEA

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LUMINANCE LIMITATION CURVES



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10520	9202
80	10287	11460
75	9878	11165
70	12471	14823
65	19446	23323
60	25952	31490
55	34285	41284
50	45130	56311
45	62859	79757

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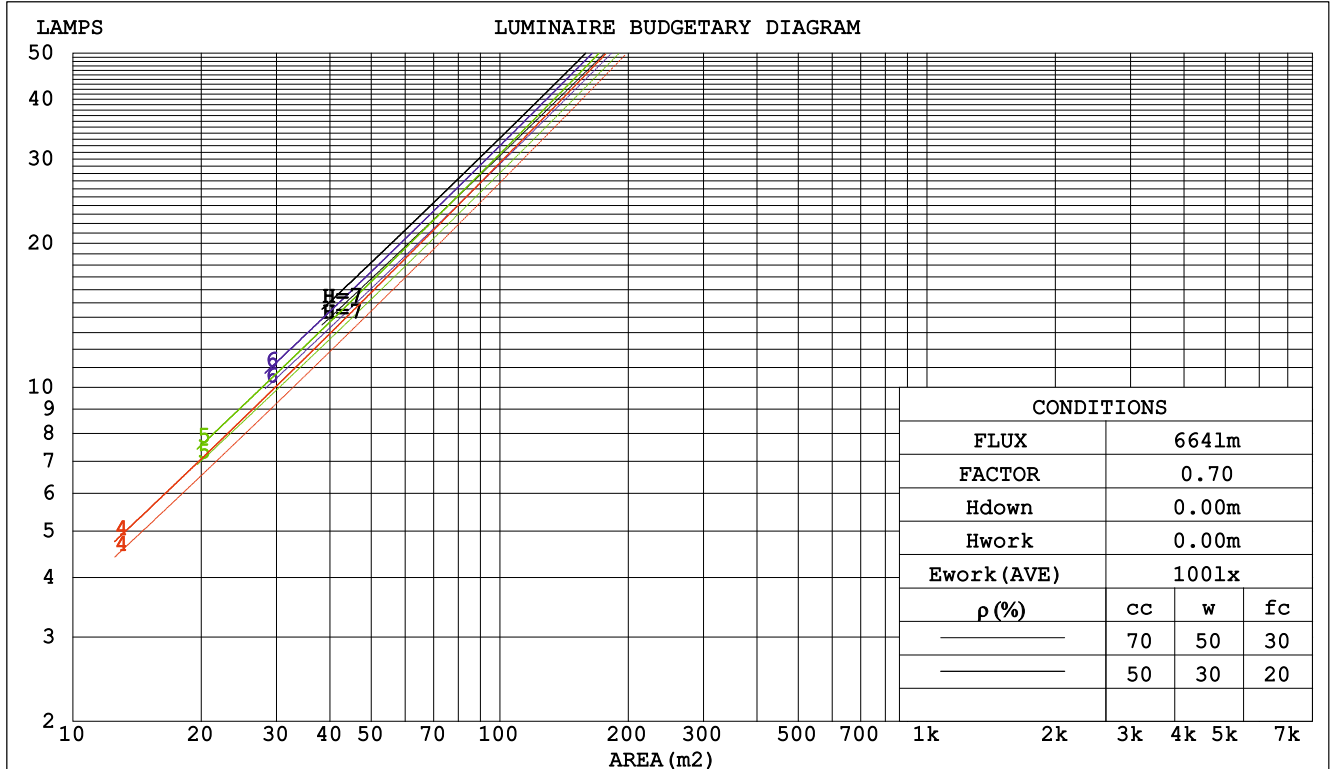
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.97	.97	.97	.95	.95	.95	.91	.91	.91	.87	.87	.87	.83	.83	.83	.82
1.0	.92	.90	.89	.90	.88	.87	.87	.86	.84	.84	.83	.82	.81	.80	.80	.78
2.0	.87	.84	.82	.86	.83	.81	.83	.81	.79	.81	.79	.78	.78	.77	.76	.75
3.0	.83	.80	.77	.82	.79	.76	.80	.77	.75	.78	.76	.74	.76	.74	.73	.72
4.0	.79	.76	.73	.78	.75	.72	.77	.74	.72	.75	.73	.71	.74	.72	.70	.69
5.0	.76	.72	.70	.75	.72	.69	.74	.71	.69	.73	.70	.68	.71	.69	.67	.67
6.0	.73	.69	.67	.72	.69	.66	.71	.68	.66	.70	.68	.66	.69	.67	.65	.64
7.0	.70	.67	.64	.70	.66	.64	.69	.66	.64	.68	.65	.63	.67	.65	.63	.62
8.0	.68	.64	.62	.68	.64	.62	.67	.64	.61	.66	.63	.61	.65	.63	.61	.60
9.0	.66	.62	.60	.65	.62	.60	.65	.62	.60	.64	.61	.59	.64	.61	.59	.58
10.0	.64	.60	.58	.64	.60	.58	.63	.60	.58	.62	.60	.58	.62	.59	.58	.57



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UGR(Unified Glare Rating) Table

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	19.3	20.0	19.5	20.2	20.3	19.9	20.6	20.1	20.8	20.9
3H	19.4	20.1	19.7	20.3	20.5	20.0	20.7	20.2	20.8	21.0
4H	19.4	20.0	19.7	20.3	20.5	20.0	20.6	20.2	20.8	21.0
6H	19.4	20.0	19.7	20.2	20.5	20.0	20.6	20.3	20.8	21.0
8H	19.4	20.0	19.7	20.2	20.5	20.0	20.5	20.3	20.8	21.0
12H	19.4	19.9	19.7	20.2	20.5	19.9	20.5	20.2	20.7	21.0
4H 2H	19.3	19.9	19.6	20.1	20.4	19.8	20.5	20.1	20.7	20.9
3H	19.4	20.0	19.7	20.3	20.5	20.0	20.5	20.3	20.8	21.1
4H	19.5	20.0	19.8	20.2	20.6	20.0	20.5	20.3	20.8	21.1
6H	19.5	19.9	19.8	20.2	20.6	20.0	20.4	20.4	20.8	21.1
8H	19.5	19.9	19.9	20.2	20.6	20.0	20.4	20.4	20.8	21.1
12H	19.5	19.8	19.9	20.2	20.6	20.0	20.3	20.4	20.7	21.1
8H 4H	19.4	19.8	19.8	20.1	20.5	19.9	20.3	20.3	20.7	21.0
6H	19.4	19.8	19.8	20.2	20.6	19.9	20.3	20.4	20.7	21.1
8H	19.4	19.7	19.9	20.2	20.6	19.9	20.2	20.4	20.7	21.1
12H	19.4	19.7	19.9	20.2	20.6	19.9	20.2	20.4	20.6	21.1
12H 4H	19.3	19.7	19.7	20.1	20.5	19.8	20.2	20.2	20.6	21.0
6H	19.4	19.7	19.8	20.1	20.5	19.9	20.2	20.3	20.6	21.0
8H	19.4	19.7	19.9	20.1	20.6	19.9	20.2	20.4	20.6	21.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.6 / - 2.5					+ 2.0 / - 2.5				
1.5H	+ 2.6 / - 1.8					+ 3.2 / - 2.6				
2.0H	+ 2.4 / - 1.9					+ 3.4 / - 2.9				

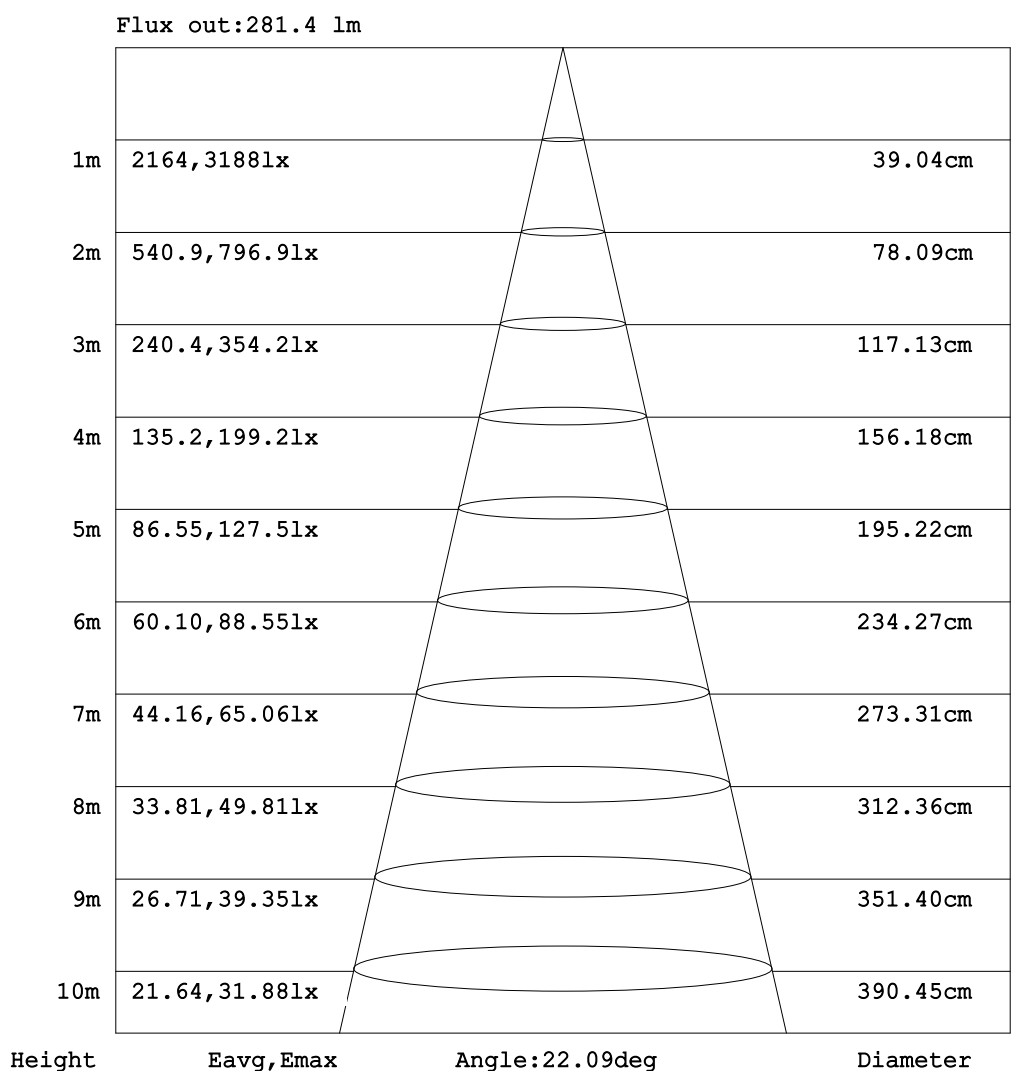
CIE Pub.117, 813.2 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.7$)
Area: 0.0005 m2

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AAI Figure



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

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UNIT: cd

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