

IDEA

/ALEO VERTICAL (16.AA68.4000.__)



Light Output Ratio:	39.0%	
Luminaire Power:	5.194 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Test Date: 2021-10-11

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

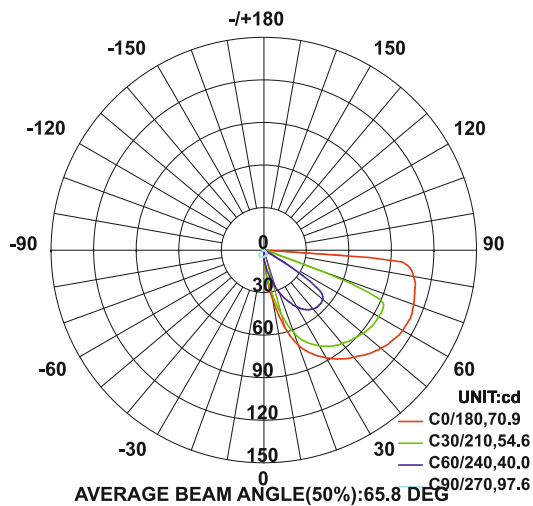


LUMINAIRE PHOTOMETRIC TEST REPORT

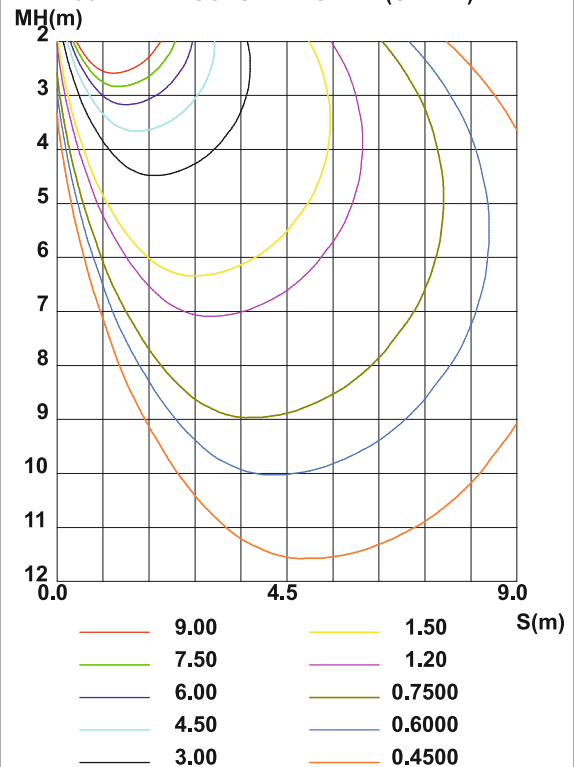
Test:U:230.10V I:0.0449A P:5.1940W PF:0.5023 Freq:49.99Hz Lamp Flux:350x1 lm		
NAME: ALEO VERTICAL	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200755
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 26.28 lm/W
MODEL	XHP35 3000K	I _{max} (cd)	113.8	S/MH(C0/180)	0.09	
NOMINAL POWER(W)	5.4	LOR(%)	39.0	S/MH(C90/270)	1.62	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	136.49	η _{UP,DN} (C0-180)	0.0,26.0	
NOMINAL FLUX(lm)	350	CIE CLASS	DIRECT	η _{UP,DN} (C180-360)	0.0,13.0	
LAMPS INSIDE	1	η _{up} (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	η _{down} (%)	39.0	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



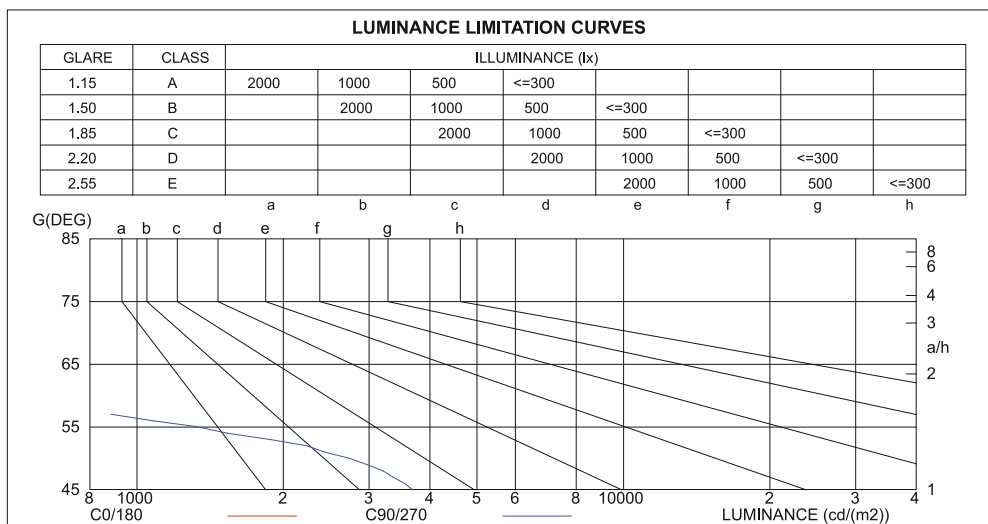
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LUMINANCE LIMITATION CURVES

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LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1126162	0
80	616894	0
75	425728	0
70	328645	269
65	269198	503
60	226188	623
55	193322	1333
50	167517	2721
45	146589	3688

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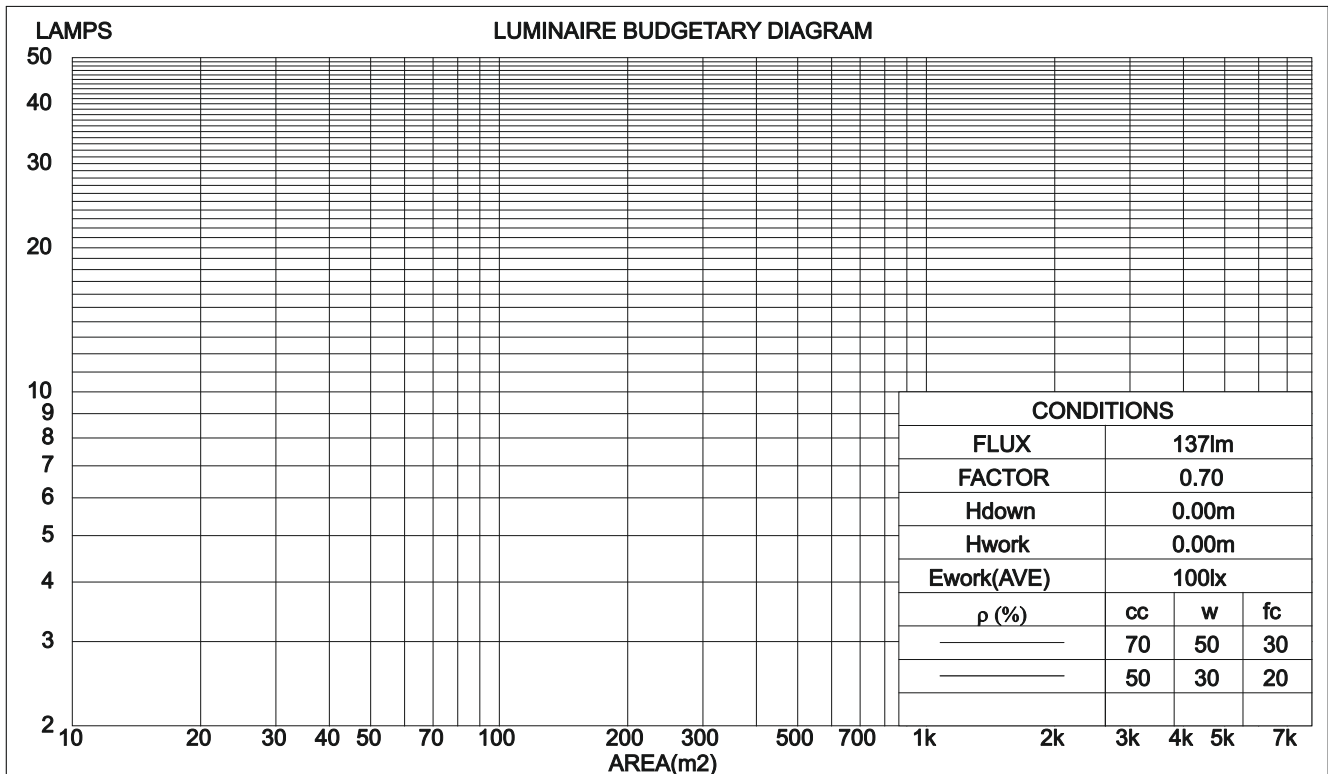
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.10V I:0.0449A P:5.1940W PF:0.5023 Freq:49.99Hz Lamp Flux:350x1 lm																
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SPEC.:							DIM.:					SERIAL No.:200755				
MFR.:							SUR.:					Shielding Angle:				

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_v	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	.46	.46	.46	.45	.45	.45	.43	.43	.43	.41	.41	.41	.40	.40	.40	.39
1.0	.39	.37	.35	.38	.36	.35	.37	.35	.34	.35	.34	.33	.34	.33	.32	.31
2.0	.33	.30	.27	.32	.29	.27	.31	.28	.26	.30	.28	.26	.28	.27	.25	.24
3.0	.28	.25	.22	.28	.24	.21	.26	.23	.21	.25	.23	.21	.24	.22	.20	.19
4.0	.24	.20	.17	.24	.20	.17	.23	.20	.17	.22	.19	.17	.21	.19	.17	.16
5.0	.21	.17	.14	.21	.17	.14	.20	.17	.14	.19	.16	.14	.18	.16	.14	.13
6.0	.19	.15	.12	.18	.15	.12	.18	.14	.12	.17	.14	.12	.16	.14	.12	.11
7.0	.17	.13	.10	.16	.13	.10	.16	.12	.10	.15	.12	.10	.15	.12	.10	.09
8.0	.15	.11	.09	.15	.11	.09	.14	.11	.09	.14	.11	.09	.13	.10	.08	.08
9.0	.13	.10	.08	.13	.10	.08	.13	.10	.07	.12	.09	.07	.12	.09	.07	.07
10.0	.12	.09	.07	.12	.09	.07	.12	.09	.07	.11	.08	.06	.11	.08	.06	.06



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UGR(Unified Glare Rating) Table

Test:U:230.10V I:0.0449A P:5.1940W PF:0.5023 Freq:49.99Hz Lamp Flux:350x1 lm											
NAME: ALEO VERTICAL					TYPE:LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:200755			
MFR.:					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	39.7	41.5	40.0	41.7	41.9	30.0	31.8	30.3	32.0	32.2
	3H	42.7	44.3	43.0	44.6	44.9	29.8	31.4	30.1	31.6	31.9
	4H	44.2	45.7	44.5	46.0	46.3	29.7	31.2	30.0	31.5	31.7
	6H	46.2	47.6	46.5	47.9	48.2	29.5	31.0	29.9	31.3	31.6
	8H	47.4	48.8	47.7	49.1	49.4	29.5	30.9	29.8	31.2	31.5
	12H	49.0	50.3	49.3	50.6	50.9	29.4	30.8	29.8	31.1	31.4
4H	2H	39.9	41.5	40.3	41.7	42.0	33.6	35.2	34.0	35.4	35.7
	3H	42.9	44.2	43.2	44.5	44.8	33.4	34.8	33.8	35.1	35.4
	4H	44.3	45.6	44.7	45.9	46.2	33.3	34.6	33.7	34.9	35.2
	6H	46.5	47.6	46.9	48.0	48.4	33.2	34.3	33.6	34.7	35.1
	8H	47.9	49.0	48.3	49.3	49.7	33.2	34.2	33.6	34.6	35.0
	12H	49.9	50.8	50.3	51.2	51.6	33.1	34.1	33.6	34.5	34.9
8H	4H	44.2	45.2	44.6	45.6	46.0	33.9	35.0	34.4	35.4	35.8
	6H	46.4	47.3	46.9	47.7	48.1	33.9	34.7	34.3	35.1	35.6
	8H	47.9	48.7	48.4	49.1	49.6	33.8	34.6	34.3	35.0	35.5
	12H	50.2	50.9	50.7	51.3	51.8	33.8	34.5	34.3	34.9	35.4
12H	4H	44.1	45.1	44.6	45.5	45.9	34.2	35.1	34.6	35.5	35.9
	6H	46.4	47.2	46.8	47.6	48.0	34.1	34.9	34.5	35.3	35.7
	8H	47.9	48.6	48.4	49.0	49.5	34.1	34.7	34.5	35.2	35.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.1					+ 0.8 / - 1.0				
1.5H		+ 0.3 / - 0.1					+ 1.2 / - 1.5				
2.0H		+ 0.9 / - 1.1					+ 1.8 / - 6.2				

CIE Pub.117, 350.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.6)
Area: 0.001 m2

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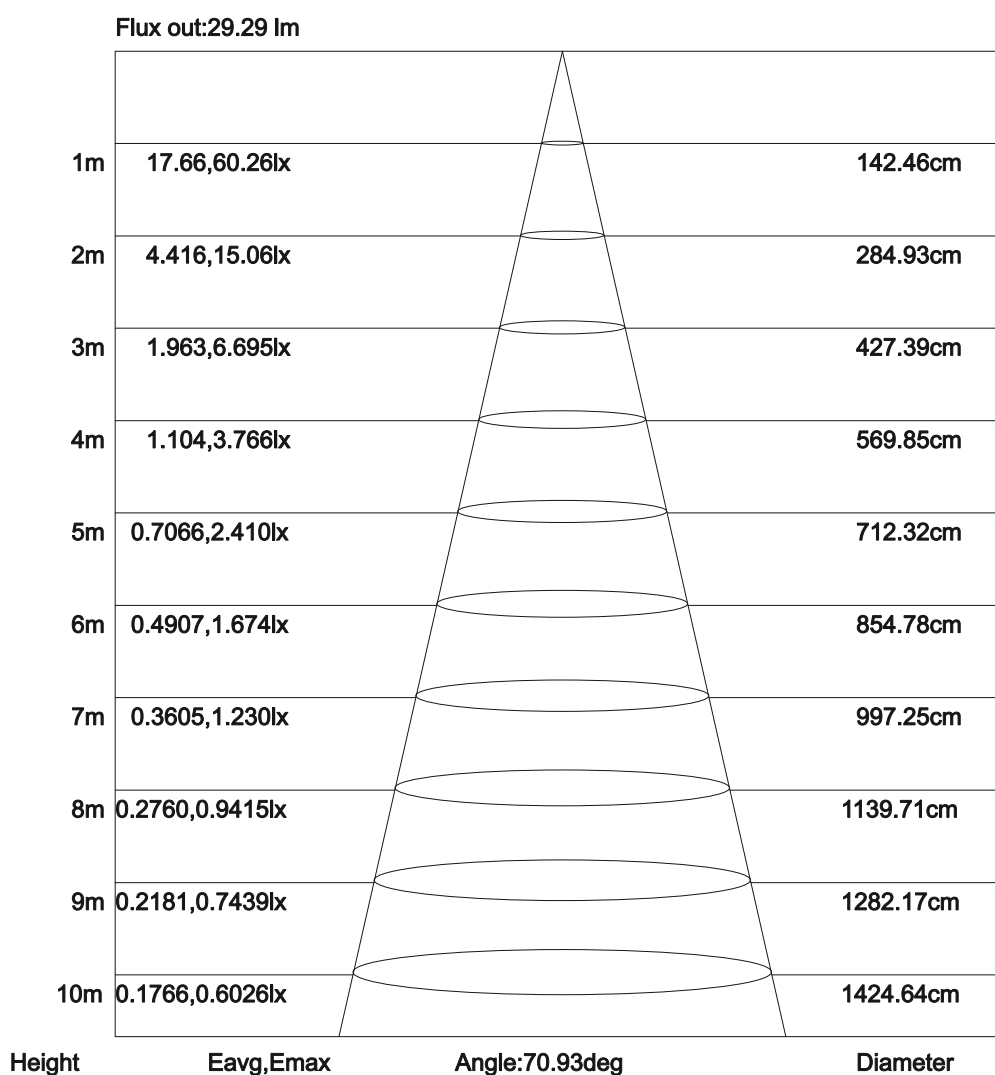
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AAI Figure

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

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