

IDEA

/APLIQUE ALEO C (13.AA68.3022.__)



Light Output Ratio:	31.6%
Luminaire Power:	13.82 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: MEDIUM
Temperature: 25.2DEG
Test Date: 2020-10-21

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity: 53%
Test Distance: 10.210m [K=1.0000]
Remarks:

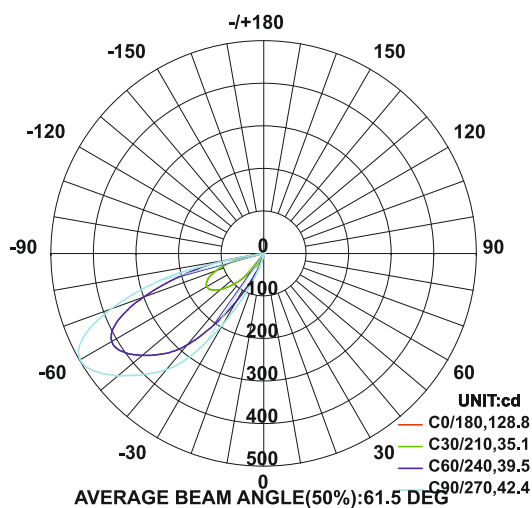


LUMINAIRE PHOTOMETRIC TEST REPORT

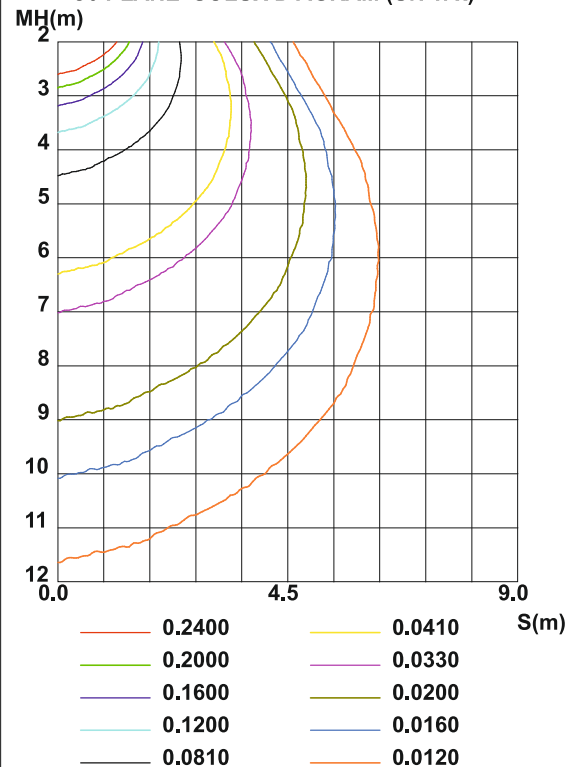
Test:U:230.26V I:0.0659A P:13.822W PF:0.9115 Freq:49.99Hz Lamp Flux:1469x1 lm		
NAME: APLIQUE ALEO C 13.AA68.3022.__	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200276
	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 33.62 lm/W
MODEL	Bridgelux 2835	I _{max} (cd)	498.6	S/MH(C0/180)	2.01	
NOMINAL POWER(W)	14	LOR(%)	31.6	S/MH(C90/270)	7.86	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	464.64	η _{UP,DN} (C0-180)	0.0,0.1	
NOMINAL FLUX(lm)	1469	CIE CLASS	DIRECT	η _{UP,DN} (C180-360)	0.0,31.5	
LAMPS INSIDE	1	η _{up} (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	η _{down} (%)	31.6	CIBSE SHR MAX	1.00	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



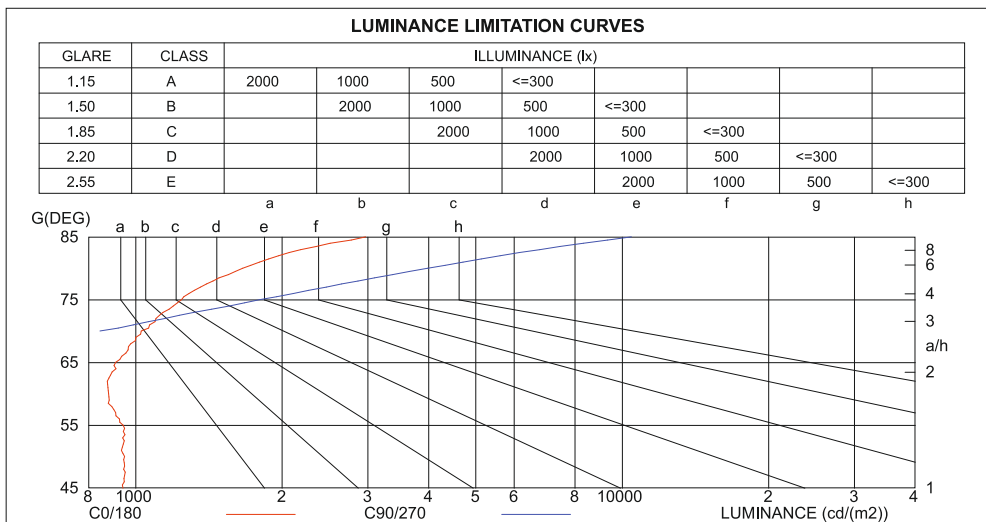
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LUMINANCE LIMITATION CURVES

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LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2970	10433
80	1660	3982
75	1243	1800
70	1027	844
65	910	403
60	880	207
55	941	165
50	949	132
45	941	120

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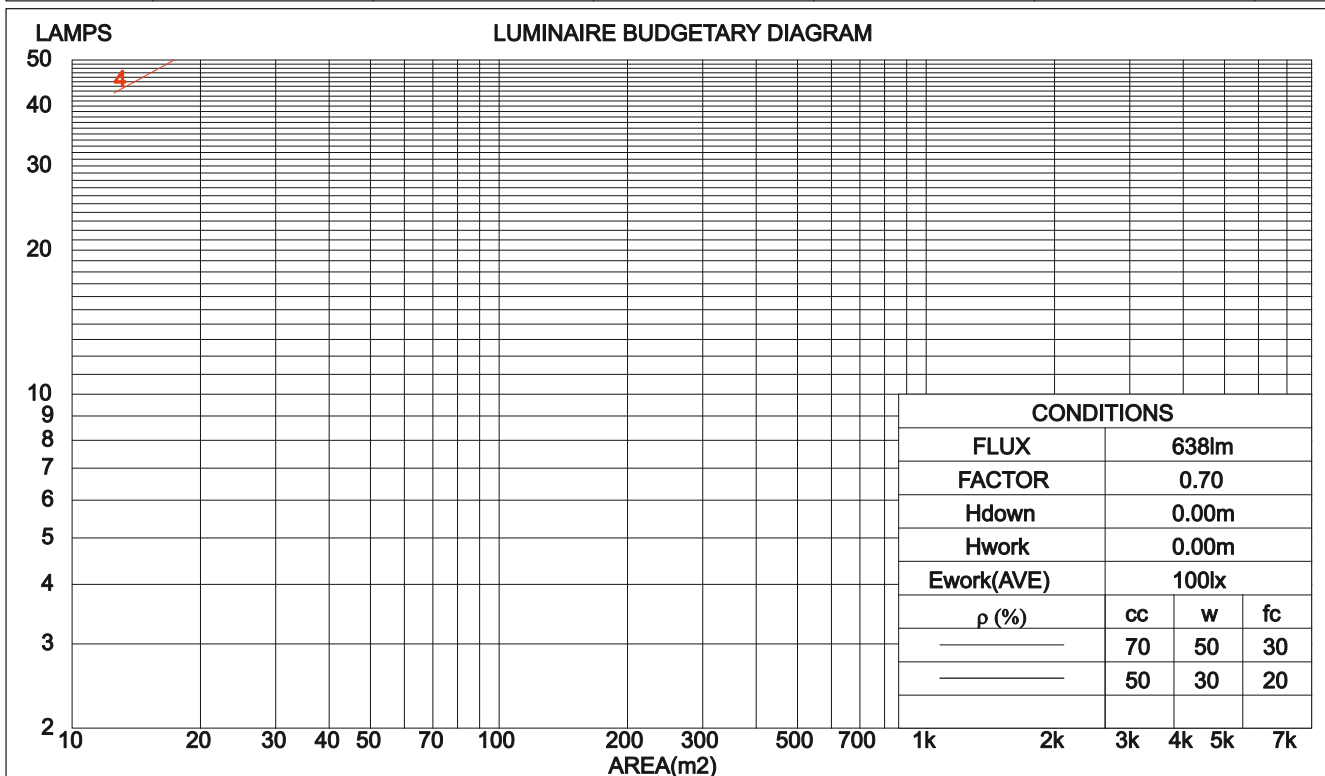
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.26V I:0.0659A P:13.822W PF:0.9115 Freq:49.99Hz Lamp Flux:1469x1 lm															
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SPEC.:								DIM.:				SERIAL No.:200276			
								SUR.:				Shielding Angle:			

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	.38	.38	.38	.37	.37	.37	.35	.35	.35	.34	.34	.34	.32	.32	.32	.32
1.0	.31	.29	.28	.30	.29	.27	.29	.28	.26	.28	.27	.26	.27	.26	.25	.24
2.0	.25	.22	.20	.25	.22	.20	.24	.21	.19	.22	.20	.19	.21	.20	.18	.17
3.0	.21	.17	.15	.20	.17	.15	.19	.17	.14	.18	.16	.14	.17	.15	.14	.13
4.0	.17	.14	.11	.17	.14	.11	.16	.13	.11	.15	.13	.11	.15	.12	.10	.10
5.0	.15	.11	.09	.14	.11	.08	.14	.11	.08	.13	.10	.08	.12	.10	.08	.07
6.0	.13	.09	.07	.12	.09	.07	.12	.09	.07	.11	.09	.06	.11	.08	.06	.06
7.0	.11	.08	.05	.11	.08	.05	.10	.07	.05	.10	.07	.05	.09	.07	.05	.04
8.0	.10	.07	.04	.10	.07	.04	.09	.06	.04	.09	.06	.04	.08	.06	.04	.03
9.0	.09	.06	.04	.09	.06	.04	.08	.05	.04	.08	.05	.04	.07	.05	.03	.03
10.0	.08	.05	.03	.08	.05	.03	.07	.05	.03	.07	.05	.03	.07	.05	.03	.02



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UGR(Unified Glare Rating) Table

Test:U:230.26V I:0.0659A P:13.822W PF:0.9115 Freq:49.99Hz Lamp Flux:1469x1 lm											
NAME: APLIQUE ALEO C 13.AA68.3022.__					TYPE:LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:200276			
					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	-7.0	-5.1	-6.7	-4.8	-4.6	-14.1	-12.1	-13.8	-11.9	-11.7
	3H	-3.9	-2.1	-3.6	-1.8	-1.5	-6.8	-5.0	-6.5	-4.7	-4.5
	4H	-2.1	-0.3	-1.7	-0.0	0.2	-2.1	-0.3	-1.7	-0.1	0.2
	6H	-0.1	1.6	0.3	1.8	2.2	2.8	4.4	3.2	4.7	5.1
	8H	0.9	2.5	1.3	2.8	3.2	5.3	6.8	5.6	7.2	7.5
	12H	2.1	3.6	2.4	3.9	4.3	7.8	9.3	8.2	9.7	10.0
4H	2H	-6.9	-5.1	-6.5	-4.9	-4.6	-11.7	-10.0	-11.4	-9.7	-9.4
	3H	-3.3	-1.7	-2.9	-1.4	-1.1	-5.1	-3.6	-4.7	-3.2	-2.9
	4H	-1.0	0.4	-0.6	0.7	1.1	-0.5	0.9	-0.1	1.3	1.6
	6H	1.4	2.7	1.8	3.0	3.4	4.4	5.7	4.8	6.0	6.4
	8H	2.7	3.9	3.1	4.2	4.6	6.9	8.1	7.4	8.5	8.9
	12H	4.0	5.1	4.5	5.5	5.9	9.6	10.7	10.0	11.1	11.5
8H	4H	0.2	1.3	0.6	1.7	2.1	0.6	1.8	1.1	2.2	2.6
	6H	3.0	4.0	3.4	4.4	4.8	5.6	6.6	6.1	7.0	7.5
	8H	4.5	5.4	5.0	5.8	6.3	8.3	9.2	8.8	9.6	10.1
	12H	6.1	6.8	6.6	7.3	7.8	11.1	11.9	11.6	12.3	12.8
12H	4H	0.9	2.0	1.3	2.4	2.8	1.0	2.1	1.4	2.5	2.9
	6H	3.9	4.7	4.3	5.2	5.6	6.0	6.9	6.5	7.3	7.8
	8H	5.5	6.3	6.0	6.7	7.2	8.7	9.5	9.2	10.0	10.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.2					+ 0.3 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.4 / - 0.4				

CIE Pub.117, 1469 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.3$)
Area: 0.002 m²

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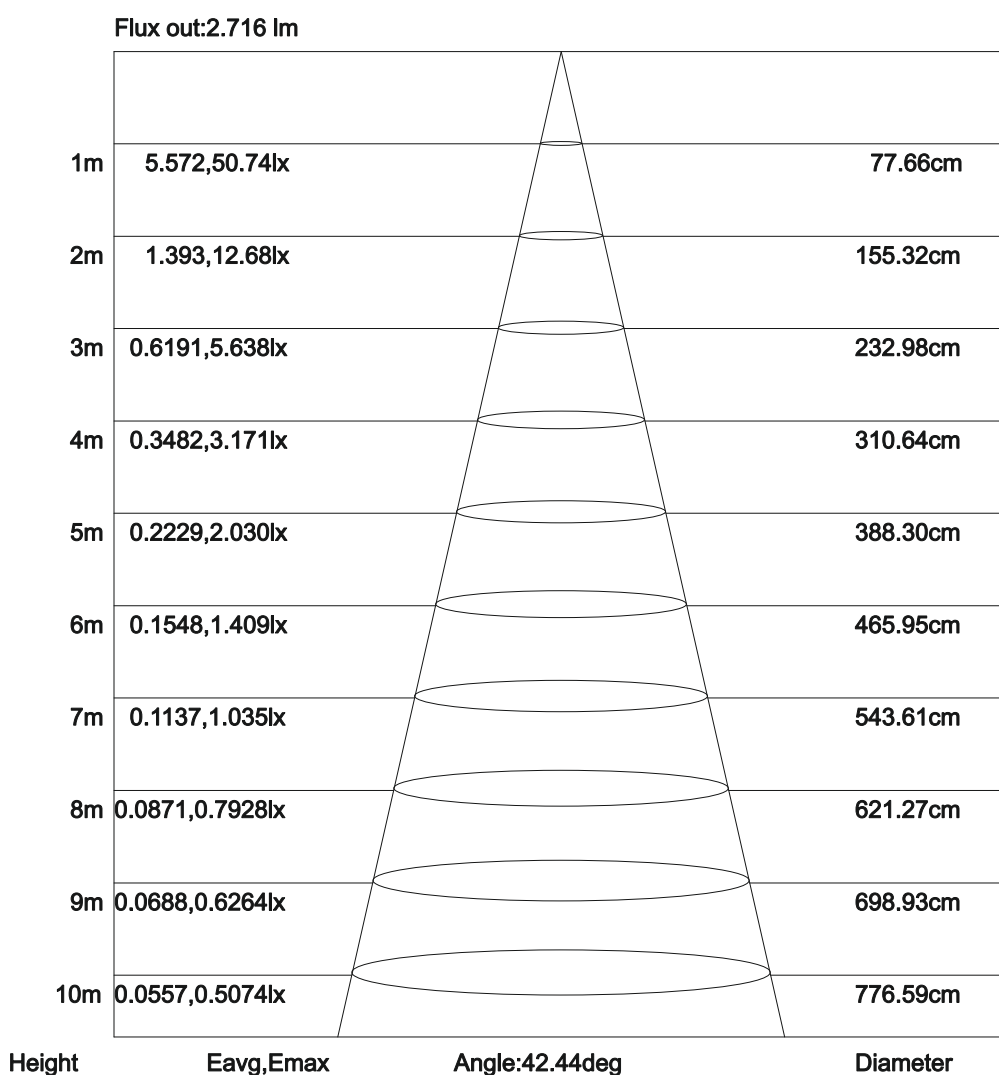
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AAI Figure

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	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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Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
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