

IDEA

/ADU R (16.AA66.1020.__)



Light Output Ratio:	81.7%	
Luminaire Power:	8.549 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-06-04

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:

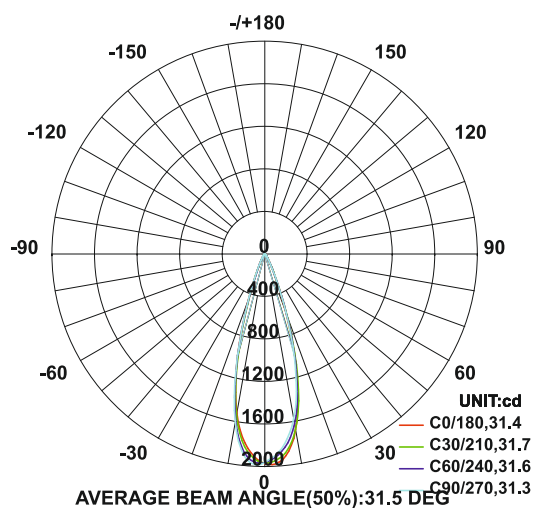


LUMINAIRE PHOTOMETRIC TEST REPORT

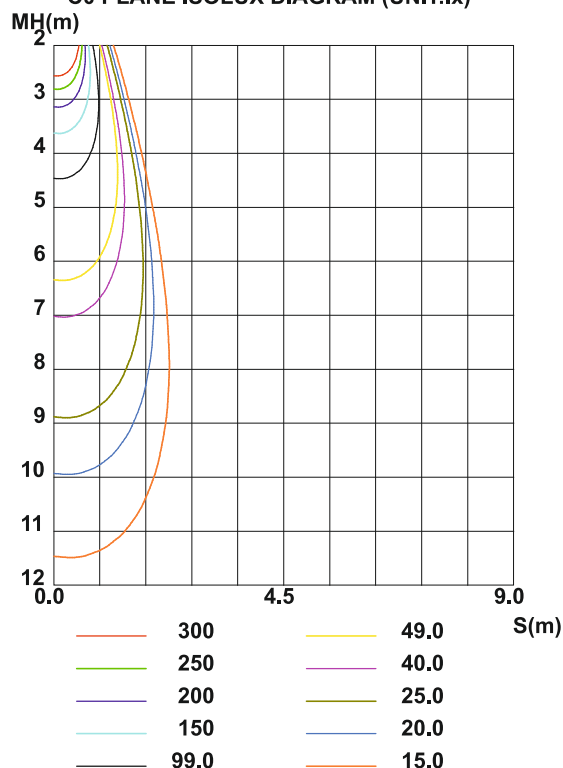
Test:U:230.15V I:0.0388A P:8.5494W PF:0.9582 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0071	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200637
	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.68 lm/W
MODEL	CXB1304 CRJ90	I _{max} (cd)	1991	S/MH(C0/180)	0.48	
NOMINAL POWER(W)	8.8	LOR(%)	81.7	S/MH(C90/270)	0.47	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	612.81	η _{UP,DN} (C0-180)	0.0,42.8	
NOMINAL FLUX(lm)	750	CIE CLASS	DIRECT	η _{UP,DN} (C180-360)	0.0,38.9	
LAMPS INSIDE	1	η _{up} (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η _{down} (%)	81.7	CIBSE SHR MAX	0.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-04

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:

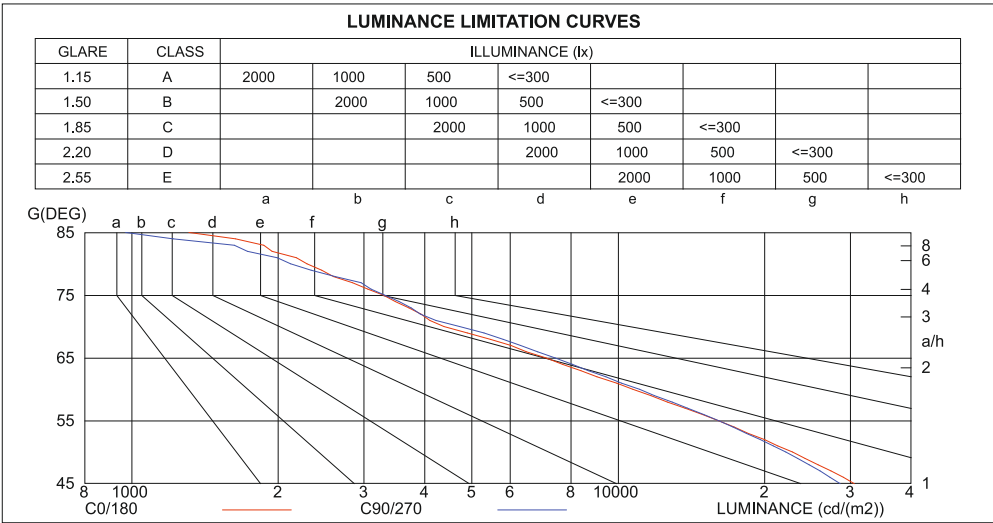


IDEA

/ADU R (16.AA66.1020.__)

LUMINANCE LIMITATION CURVES

Test:U:230.15V I:0.0388A P:8.5494W PF:0.9582 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0071	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200637
	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1310	971
80	2291	2120
75	3292	3312
70	4382	4720
65	7107	7409
60	10705	11064
55	16052	16083
50	22813	22100
45	30566	28582

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-04

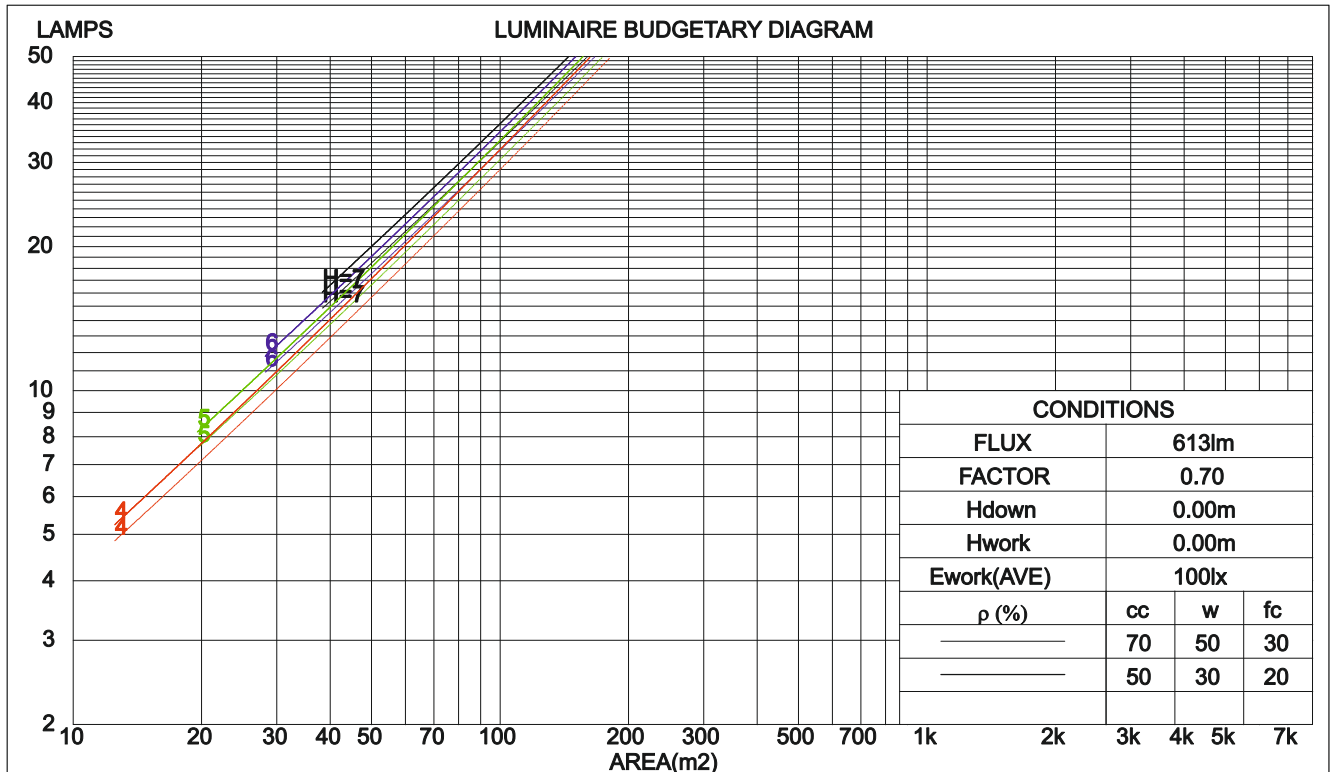
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:



CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.15V I:0.0388A P:8.5494W PF:0.9582 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0071	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200637
	SUR.:	Shielding Angle:

ρ_c	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_c	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	.89	.87	.87	.86	.85	.84	.83	.82	.81	.80	.80	.78
2.0	.87	.84	.82	.86	.83	.81	.83	.81	.79	.81	.79	.78	.79	.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	.69	.75	.72	.69	.74	.71	.68	.72	.70	.68	.71	.69	.67	.66
6.0	.73	.69	.66	.72	.69	.66	.71	.68	.66	.70	.67	.65	.69	.67	.65	.64
7.0	.70	.66	.64	.70	.66	.64	.69	.65	.63	.68	.65	.63	.67	.64	.63	.62
8.0	.68	.64	.61	.67	.64	.61	.66	.63	.61	.66	.63	.61	.65	.62	.60	.60
9.0	.65	.62	.59	.65	.61	.59	.64	.61	.59	.64	.61	.59	.63	.60	.59	.58
10.0	.63	.60	.57	.63	.59	.57	.62	.59	.57	.62	.59	.57	.61	.59	.57	.56



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-06-04

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:



UGR(Unified Glare Rating) Table

Test:U:230.15V I:0.0388A P:8.5494W PF:0.9582 Freq:49.99Hz Lamp Flux:750x1 lm											
NAME: FU-0071					TYPE:LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:200637			
					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	17.1	17.8	17.3	17.9	18.1	16.9	17.6	17.1	17.8	18.0
	3H	17.1	17.8	17.3	18.0	18.1	17.0	17.6	17.2	17.8	18.0
	4H	17.1	17.7	17.3	17.9	18.1	16.9	17.6	17.2	17.8	18.0
	6H	17.0	17.6	17.3	17.8	18.1	16.9	17.5	17.2	17.7	18.0
	8H	17.0	17.5	17.3	17.8	18.0	16.8	17.4	17.1	17.7	17.9
	12H	16.9	17.5	17.2	17.7	18.0	16.8	17.4	17.1	17.6	17.9
4H	2H	17.1	17.7	17.3	17.9	18.1	16.9	17.6	17.2	17.8	18.0
	3H	17.1	17.7	17.4	17.9	18.2	17.0	17.6	17.3	17.8	18.1
	4H	17.1	17.6	17.4	17.9	18.2	17.0	17.5	17.3	17.8	18.1
	6H	17.0	17.5	17.4	17.8	18.1	16.9	17.4	17.3	17.7	18.0
	8H	17.0	17.4	17.4	17.7	18.1	16.9	17.3	17.3	17.7	18.0
	12H	16.9	17.3	17.3	17.7	18.1	16.8	17.2	17.2	17.6	18.0
8H	4H	17.0	17.4	17.3	17.7	18.1	16.9	17.3	17.3	17.6	18.0
	6H	16.9	17.3	17.3	17.6	18.1	16.8	17.2	17.2	17.6	18.0
	8H	16.9	17.2	17.3	17.6	18.0	16.8	17.1	17.2	17.5	17.9
	12H	16.8	17.1	17.3	17.5	18.0	16.7	17.0	17.2	17.4	17.9
12H	4H	16.9	17.3	17.3	17.7	18.1	16.8	17.2	17.2	17.6	18.0
	6H	16.9	17.2	17.3	17.6	18.0	16.8	17.1	17.2	17.5	17.9
	8H	16.8	17.1	17.3	17.5	18.0	16.7	17.0	17.2	17.4	17.9
Variations with the observer position at spacings:											
S = 1.0H		+ 1.5 / - 2.5					+ 1.4 / - 2.3				
1.5H		+ 1.8 / - 1.6					+ 1.6 / - 1.4				
2.0H		+ 2.9 / - 3.3					+ 2.7 / - 3.1				

CIE Pub.117, 750.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.0)
Area: 0.001 m2

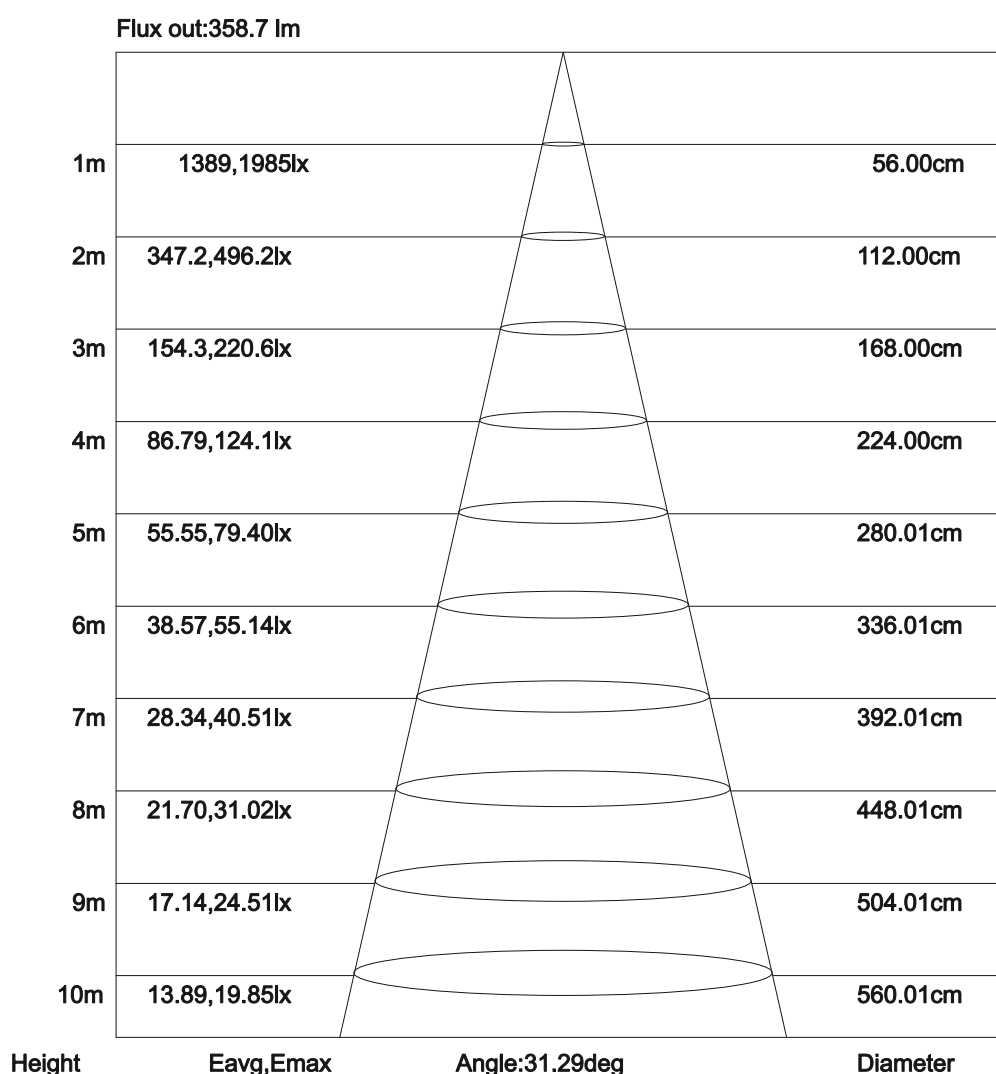
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-04

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:



AAI Figure

Test:U:230.15V I:0.0388A P:8.5494W PF:0.9582 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0071	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200637
	SUR.:	Shielding Angle:



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

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-04

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:

Table--1 UNIT: cd

UNIT: cd

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