

IDEA

/ADU R (16.AA66.1010.__)



Light Output Ratio:	73.4%	
Luminaire Power:	8.508 W	
SHR Nominal:	0.00	Calculated using the TM5 fine grid method.
SHR Maximum:	1.00	

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:

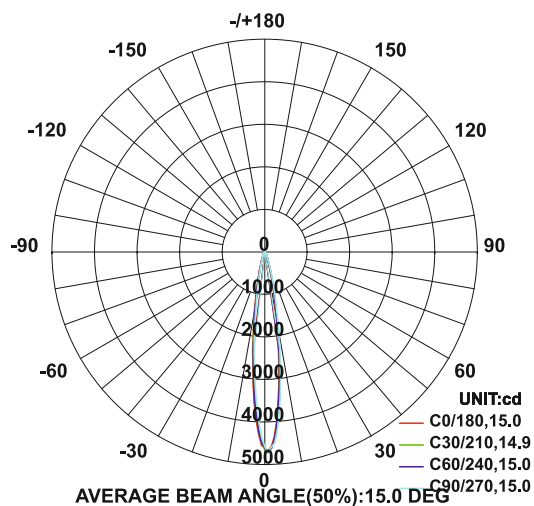


LUMINAIRE PHOTOMETRIC TEST REPORT

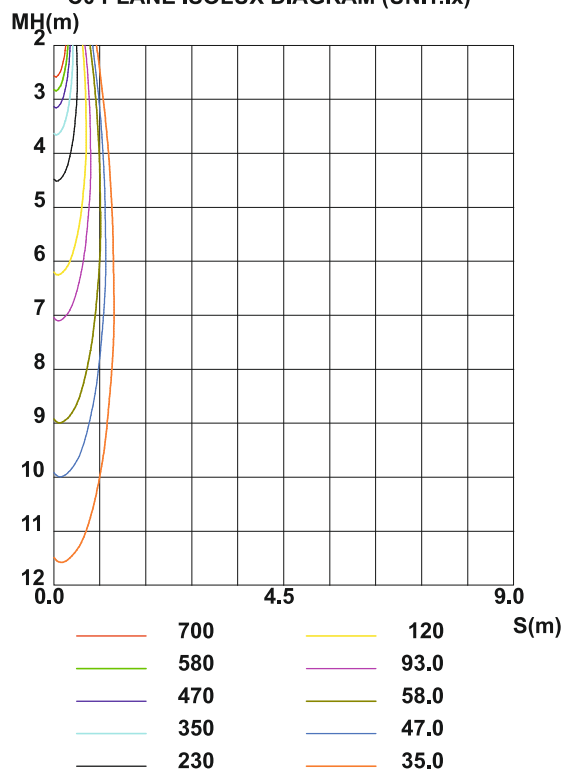
Test:U:230.15V I:0.0386A P:8.5079W PF:0.9578 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0071	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200637
	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 64.70 lm/W
MODEL	CXB1304 CRJ90	I _{max} (cd)	4716	S/MH(C0/180)	0.25	
NOMINAL POWER(W)	8.8	LOR(%)	73.4	S/MH(C90/270)	0.22	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	550.45	η _{UP,DN} (C0-180)	0.0,40.4	
NOMINAL FLUX(lm)	750	CIE CLASS	DIRECT	η _{UP,DN} (C180-360)	0.0,33.0	
LAMPS INSIDE	1	η _{up} (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	η _{down} (%)	73.4	CIBSE SHR MAX	1.00	

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:

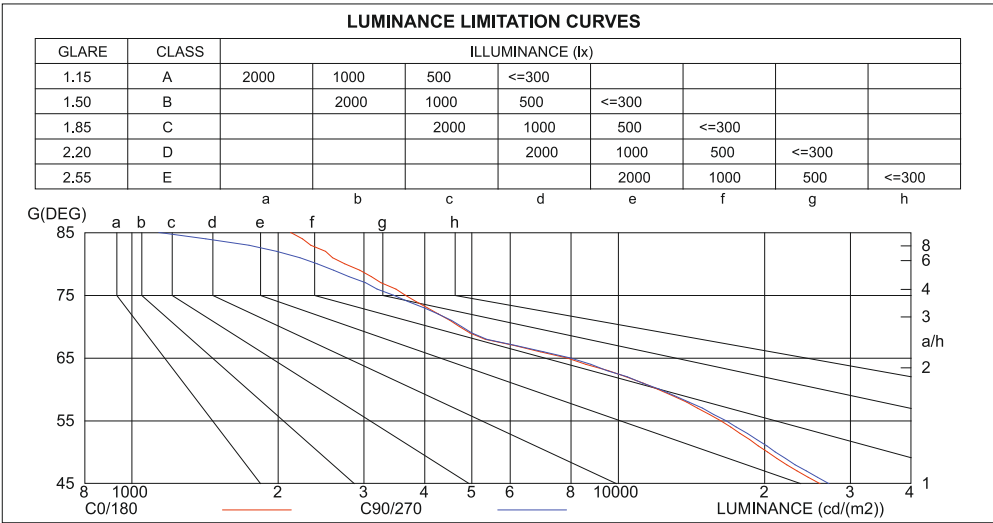


IDEA

/ADU R (16.AA66.1010.__)

LUMINANCE LIMITATION CURVES

Test:U:230.15V I:0.0386A P:8.5079W PF:0.9578 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	2122	1137
80	2741	2406
75	3649	3448
70	4711	4764
65	7847	7960
60	12066	12169
55	16220	16640
50	20279	21034
45	25992	27137

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

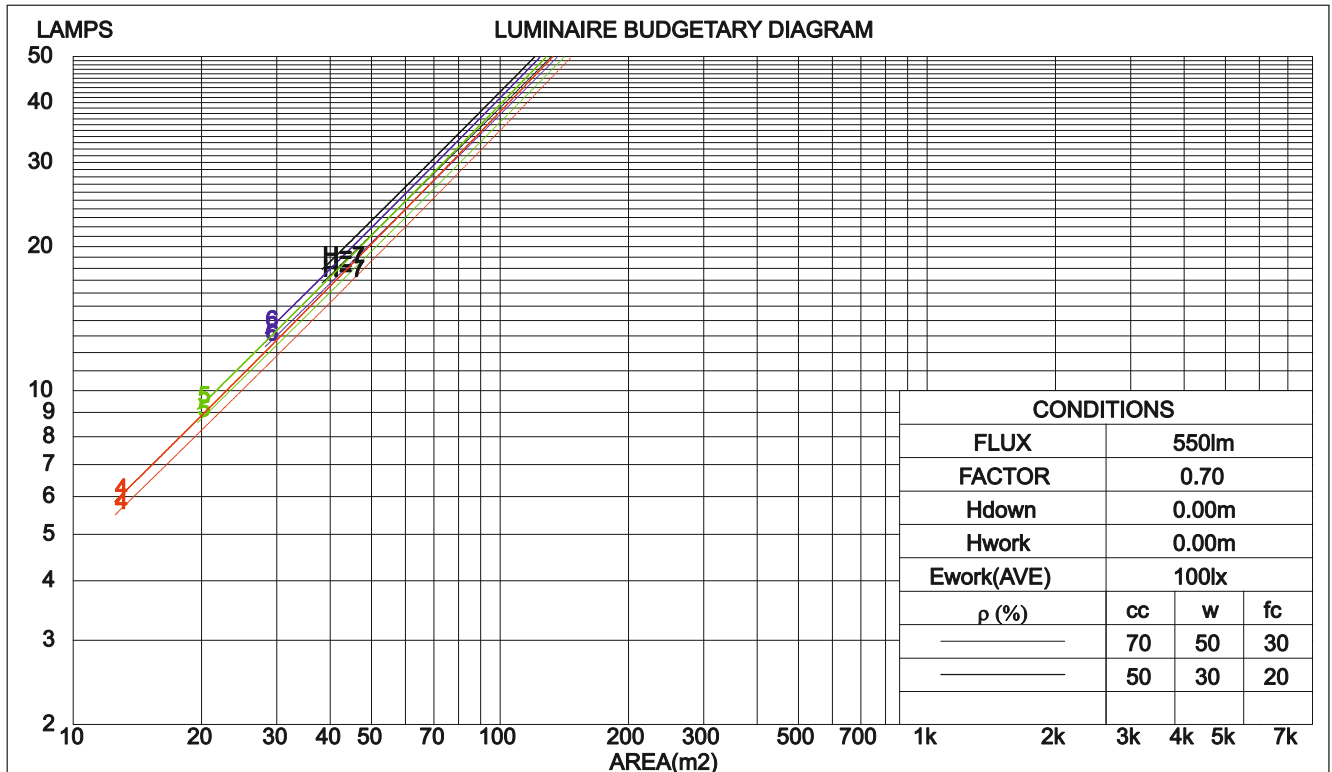
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:



CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.15V I:0.0386A P:8.5079W PF:0.9578 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	.87	.87	.87	.85	.85	.85	.82	.82	.82	.78	.78	.78	.75	.75	.75	.73
1.0	.83	.81	.80	.81	.80	.79	.78	.77	.77	.76	.75	.74	.73	.73	.72	.71
2.0	.79	.77	.75	.78	.76	.74	.76	.74	.73	.73	.72	.71	.71	.70	.70	.69
3.0	.76	.73	.71	.75	.72	.70	.73	.71	.69	.71	.70	.68	.70	.68	.67	.66
4.0	.73	.70	.68	.72	.69	.67	.71	.68	.67	.69	.67	.66	.68	.66	.65	.64
5.0	.70	.67	.65	.70	.67	.65	.68	.66	.64	.67	.65	.64	.66	.65	.63	.62
6.0	.68	.65	.63	.68	.65	.63	.67	.64	.62	.66	.64	.62	.65	.63	.62	.61
7.0	.66	.63	.61	.66	.63	.61	.65	.62	.61	.64	.62	.60	.63	.61	.60	.59
8.0	.64	.61	.59	.64	.61	.59	.63	.61	.59	.63	.60	.59	.62	.60	.58	.58
9.0	.63	.60	.58	.62	.60	.58	.62	.59	.58	.61	.59	.57	.61	.59	.57	.57
10.0	.61	.58	.56	.61	.58	.56	.60	.58	.56	.60	.58	.56	.59	.57	.56	.55



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:0.0386A P:8.5079W PF:0.9578 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	16.8	17.4	17.0	17.6	17.7	16.9	17.5	17.1	17.7	17.8
	3H	16.9	17.5	17.1	17.7	17.8	17.0	17.6	17.2	17.8	17.9
	4H	16.9	17.4	17.1	17.6	17.9	17.0	17.5	17.2	17.7	17.9
	6H	16.8	17.4	17.1	17.6	17.8	16.9	17.4	17.2	17.7	17.9
	8H	16.8	17.3	17.1	17.6	17.8	16.9	17.4	17.2	17.6	17.9
	12H	16.8	17.3	17.1	17.5	17.8	16.8	17.3	17.1	17.6	17.9
4H	2H	16.9	17.4	17.1	17.6	17.9	16.9	17.5	17.2	17.7	17.9
	3H	17.0	17.5	17.3	17.7	18.0	17.1	17.6	17.4	17.8	18.1
	4H	17.0	17.4	17.3	17.7	18.0	17.0	17.5	17.4	17.8	18.1
	6H	16.9	17.3	17.3	17.7	18.0	17.0	17.4	17.4	17.7	18.1
	8H	16.9	17.3	17.3	17.6	18.0	17.0	17.3	17.3	17.7	18.1
	12H	16.8	17.2	17.2	17.6	17.9	16.9	17.3	17.3	17.6	18.0
8H	4H	16.9	17.2	17.2	17.6	17.9	16.9	17.3	17.3	17.7	18.0
	6H	16.8	17.1	17.2	17.5	17.9	16.9	17.2	17.3	17.6	18.0
	8H	16.8	17.1	17.2	17.5	17.9	16.9	17.2	17.3	17.6	18.0
	12H	16.7	17.0	17.2	17.4	17.9	16.8	17.1	17.3	17.5	18.0
12H	4H	16.8	17.2	17.2	17.5	17.9	16.9	17.2	17.3	17.6	18.0
	6H	16.8	17.0	17.2	17.5	17.9	16.8	17.1	17.3	17.5	18.0
	8H	16.7	17.0	17.2	17.4	17.9	16.8	17.1	17.3	17.5	18.0
Variations with the observer position at spacings:											
S = 1.0H		+ 1.3 / - 2.0					+ 1.5 / - 1.9				
1.5H		+ 1.8 / - 1.0					+ 2.2 / - 1.1				
2.0H		+ 2.0 / - 2.4					+ 2.2 / - 2.5				

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

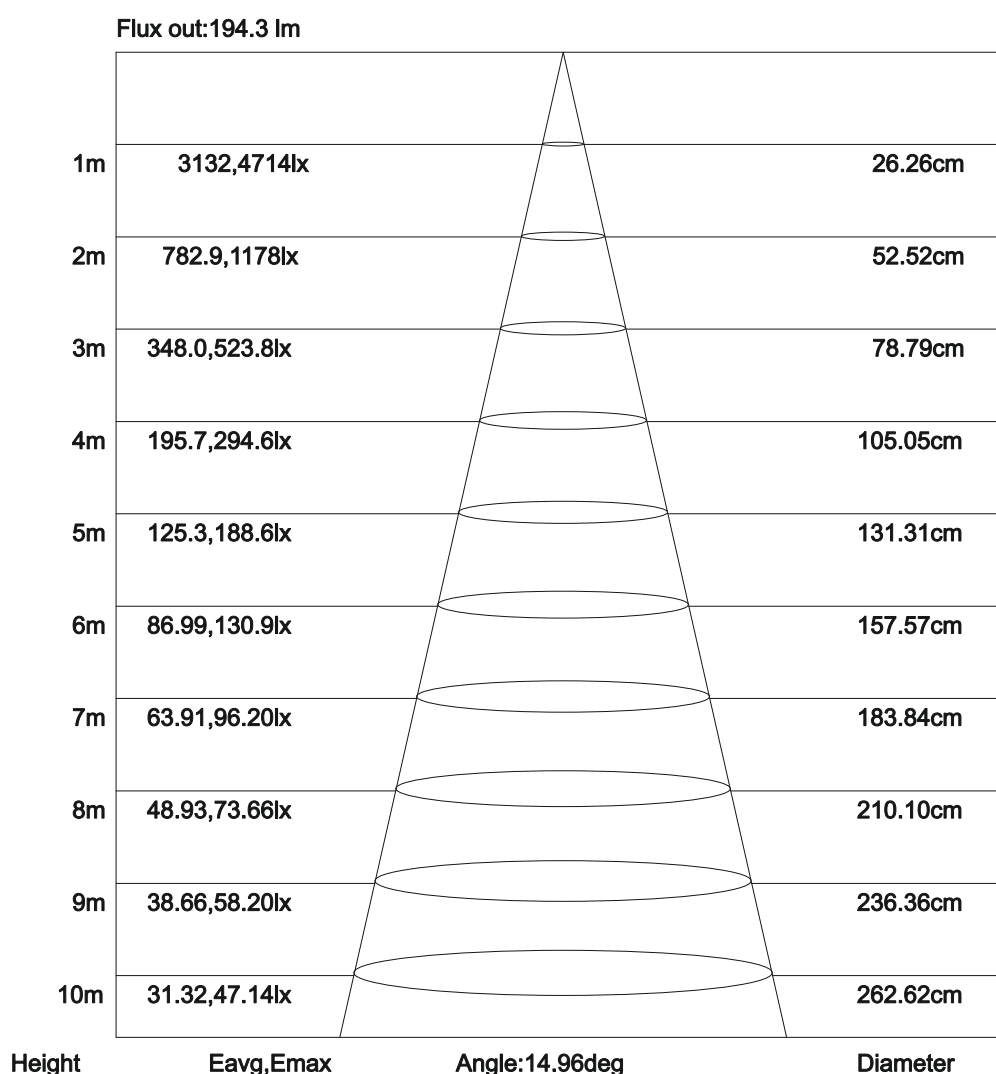
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:D
Test Date:2021-06-04

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:0.0386A P:8.5079W PF:0.9578 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: