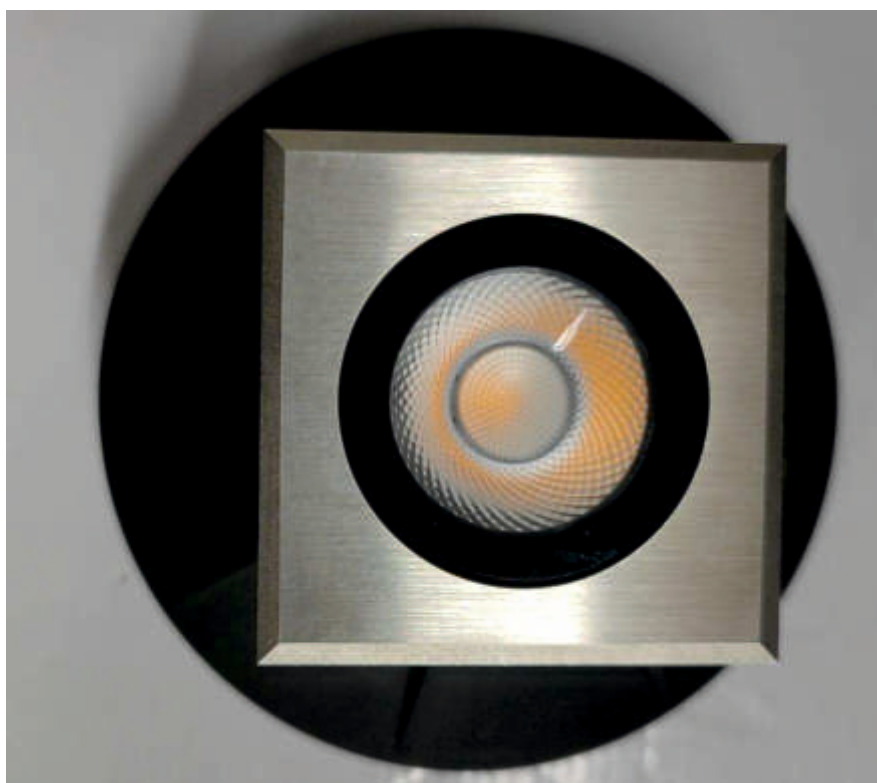




Light Output Ratio:	80.5%	
Luminaire Power:	8.498 W	
SHR Nominal:	0.50	Calculated using the TM5 fine grid method.
SHR Maximum:	0.50	

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:

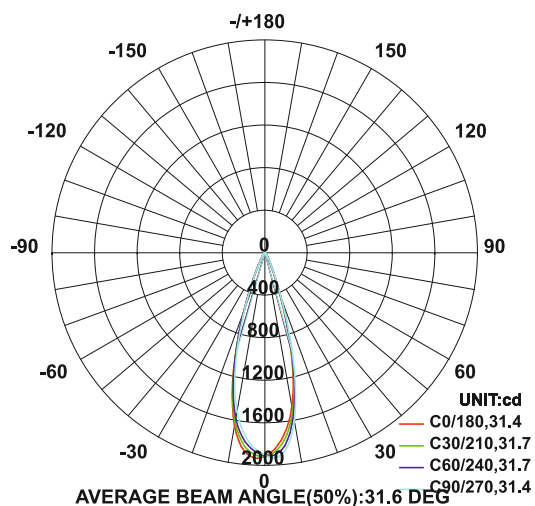


LUMINAIRE PHOTOMETRIC TEST REPORT

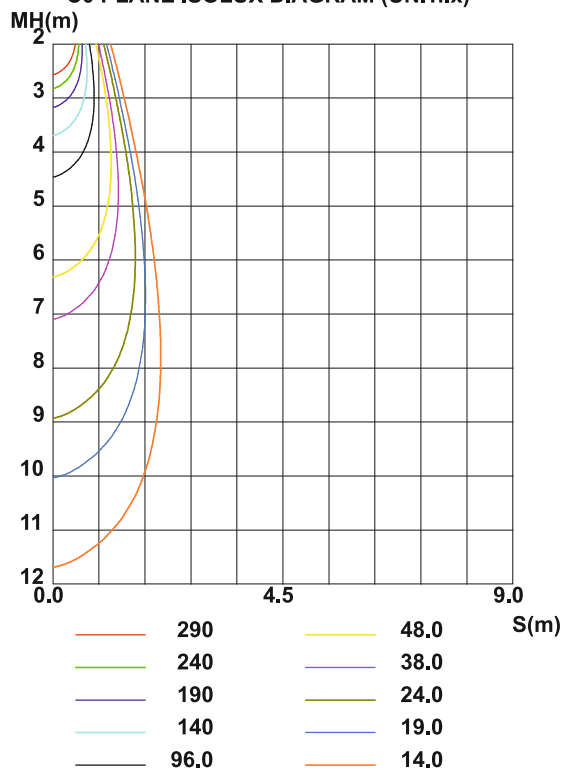
Test:U:230.17V I:0.0386A P:8.4979W PF:0.9576 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0072	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200637
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.06 lm/W
MODEL	CXB1304 CRJ90	I _{max} (cd)	1942	S/MH(C0/180)	0.51	
NOMINAL POWER(W)	8.8	LOR(%)	80.5	S/MH(C90/270)	0.51	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	603.84	η _{UP,DN} (C0-180)	0.0,39.3	
NOMINAL FLUX(lm)	750	CIE CLASS	DIRECT	η _{UP,DN} (C180-360)	0.0,41.2	
LAMPS INSIDE	1	η _{up} (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η _{down} (%)	80.5	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:

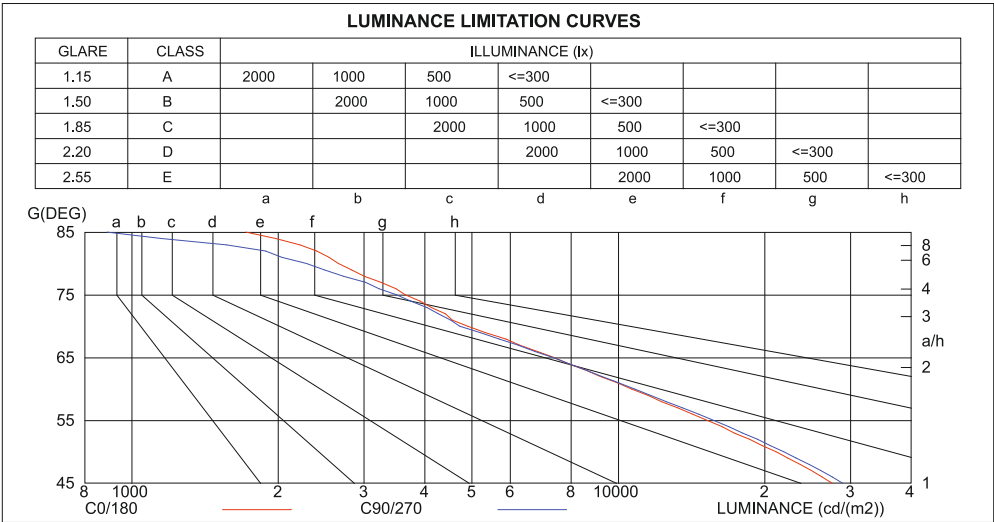


IDEA

/ADU C (16.AA66.2010.__)

LUMINANCE LIMITATION CURVES

Test:U:230.17V I:0.0386A P:8.4979W PF:0.9576 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0072	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200637
	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1716	889
80	2659	2283
75	3650	3503
70	4899	4723
65	7375	7342
60	10633	10796
55	15234	15700
50	21089	21878
45	27534	28962

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

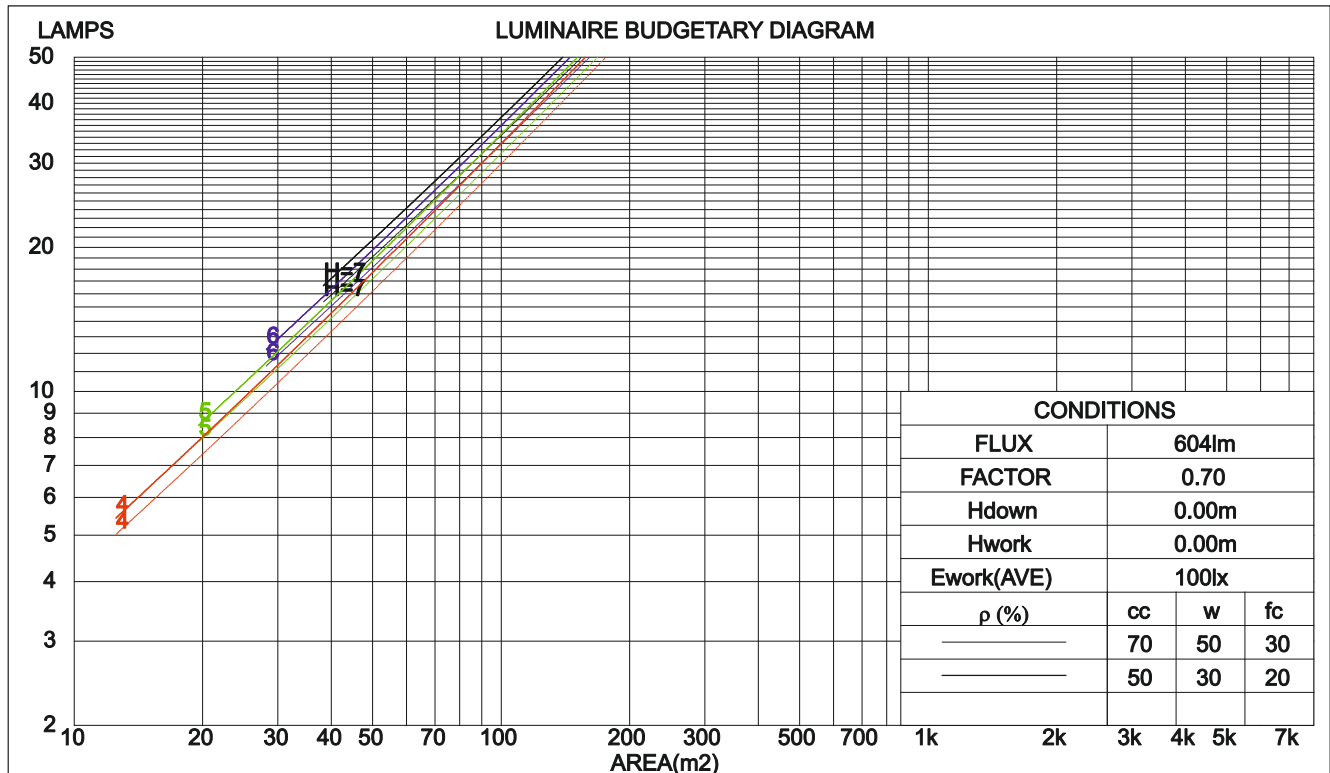
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:



CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.17V I:0.0386A P:8.4979W PF:0.9576 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0072	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200637
	SUR.:	Shielding Angle:

ρ_{sc}	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	.96	.96	.96	.94	.94	.94	.89	.89	.89	.86	.86	.86	.82	.82	.82	.81
1.0	.90	.89	.87	.89	.87	.86	.85	.84	.83	.83	.82	.81	.80	.79	.78	.77
2.0	.86	.83	.81	.84	.82	.80	.82	.80	.78	.79	.78	.76	.77	.76	.75	.74
3.0	.81	.78	.76	.80	.77	.75	.78	.76	.74	.76	.74	.73	.75	.73	.72	.71
4.0	.78	.74	.72	.77	.74	.71	.75	.73	.70	.74	.71	.70	.72	.70	.69	.68
5.0	.74	.71	.68	.74	.70	.68	.72	.69	.67	.71	.69	.67	.70	.68	.66	.65
6.0	.71	.68	.65	.71	.67	.65	.70	.67	.64	.69	.66	.64	.68	.65	.64	.63
7.0	.69	.65	.62	.68	.65	.62	.67	.64	.62	.67	.64	.62	.66	.63	.61	.60
8.0	.66	.63	.60	.66	.62	.60	.65	.62	.60	.64	.62	.60	.64	.61	.59	.58
9.0	.64	.60	.58	.64	.60	.58	.63	.60	.58	.62	.60	.58	.62	.59	.57	.57
10.0	.62	.58	.56	.62	.58	.56	.61	.58	.56	.61	.58	.56	.60	.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:230.17V I:0.0386A P:8.4979W PF:0.9576 Freq:49.99Hz Lamp Flux:750x1 lm											
NAME: FU-0072					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	16.3	17.0	16.5	17.2	17.3	16.4	17.2	16.6	17.3	17.5
	3H	16.4	17.1	16.6	17.3	17.5	16.5	17.2	16.8	17.4	17.6
	4H	16.4	17.0	16.6	17.2	17.5	16.5	17.1	16.8	17.4	17.6
	6H	16.3	16.9	16.6	17.2	17.4	16.4	17.1	16.7	17.3	17.5
	8H	16.3	16.9	16.6	17.1	17.4	16.4	17.0	16.7	17.2	17.5
	12H	16.3	16.8	16.6	17.1	17.4	16.4	16.9	16.7	17.2	17.5
4H	2H	16.3	17.0	16.6	17.2	17.4	16.4	17.1	16.7	17.3	17.5
	3H	16.5	17.0	16.8	17.3	17.5	16.6	17.1	16.9	17.4	17.7
	4H	16.5	17.0	16.8	17.3	17.6	16.6	17.1	16.9	17.4	17.7
	6H	16.4	16.9	16.8	17.2	17.5	16.5	17.0	16.9	17.3	17.7
	8H	16.4	16.8	16.8	17.2	17.5	16.5	16.9	16.9	17.3	17.6
	12H	16.3	16.7	16.7	17.1	17.5	16.4	16.8	16.9	17.2	17.6
8H	4H	16.4	16.8	16.7	17.1	17.5	16.5	16.9	16.9	17.2	17.6
	6H	16.3	16.7	16.8	17.1	17.5	16.4	16.8	16.9	17.2	17.6
	8H	16.3	16.6	16.7	17.0	17.5	16.4	16.7	16.9	17.1	17.6
	12H	16.2	16.5	16.7	17.0	17.4	16.4	16.6	16.8	17.1	17.5
12H	4H	16.3	16.7	16.7	17.1	17.5	16.4	16.8	16.8	17.2	17.6
	6H	16.3	16.6	16.7	17.0	17.4	16.4	16.7	16.8	17.1	17.6
	8H	16.2	16.5	16.7	17.0	17.4	16.4	16.6	16.8	17.1	17.5
Variations with the observer position at spacings:											
S = 1.0H		+ 1.3 / - 2.1					+ 1.3 / - 2.2				
1.5H		+ 1.5 / - 1.4					+ 1.6 / - 1.5				
2.0H		+ 2.7 / - 2.9					+ 2.8 / - 2.9				

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

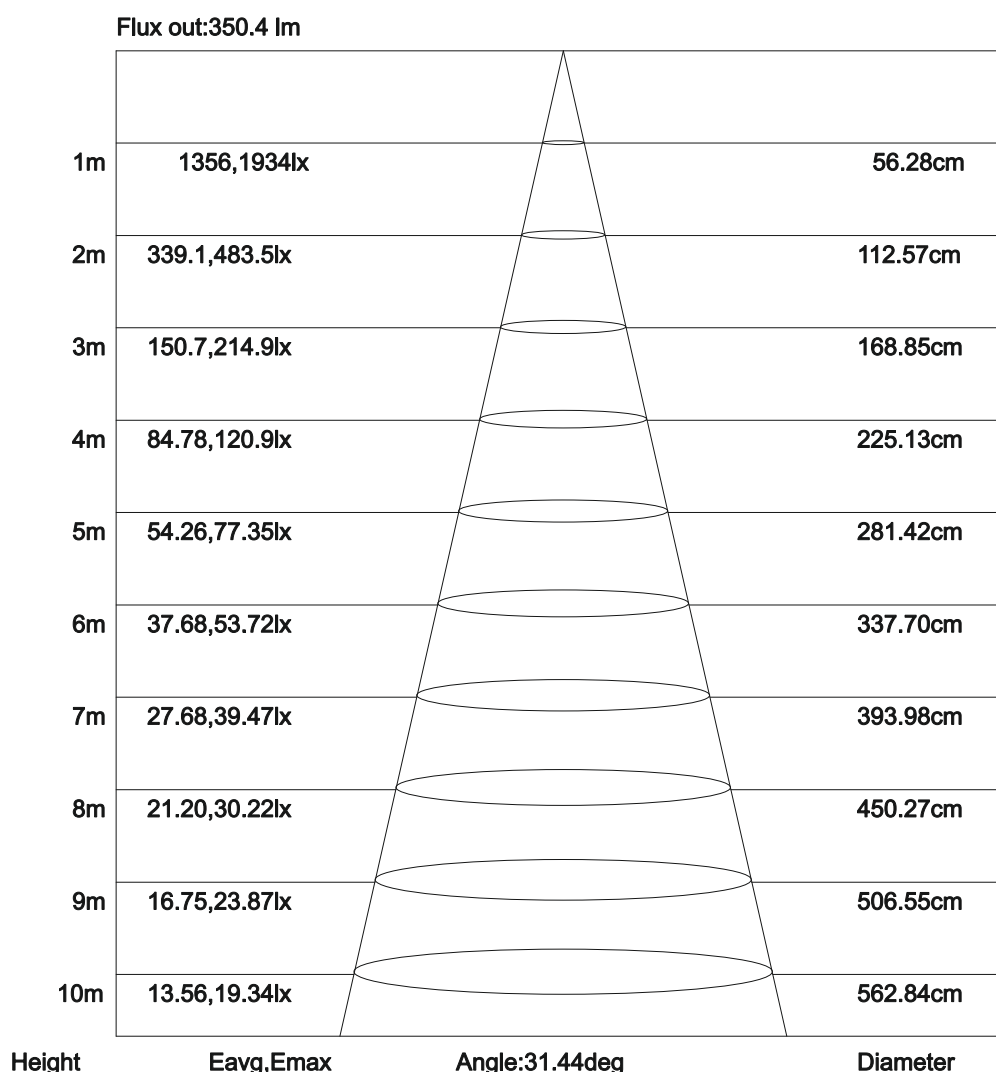
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2021-06-04

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:230.17V I:0.0386A P:8.4979W PF:0.9576 Freq:49.99Hz Lamp Flux:750x1 lm		
NAME: FU-0072	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
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

Test Date:2021-06-04