

IDEA

/CROLL COLGANTE (05.AA36.2012__ / 05.AA36.2110.__ / 05.AA36.2212.__)



Light Output Ratio:	78.1%
Luminaire Power:	11.5 W

SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.55	fine grid method.

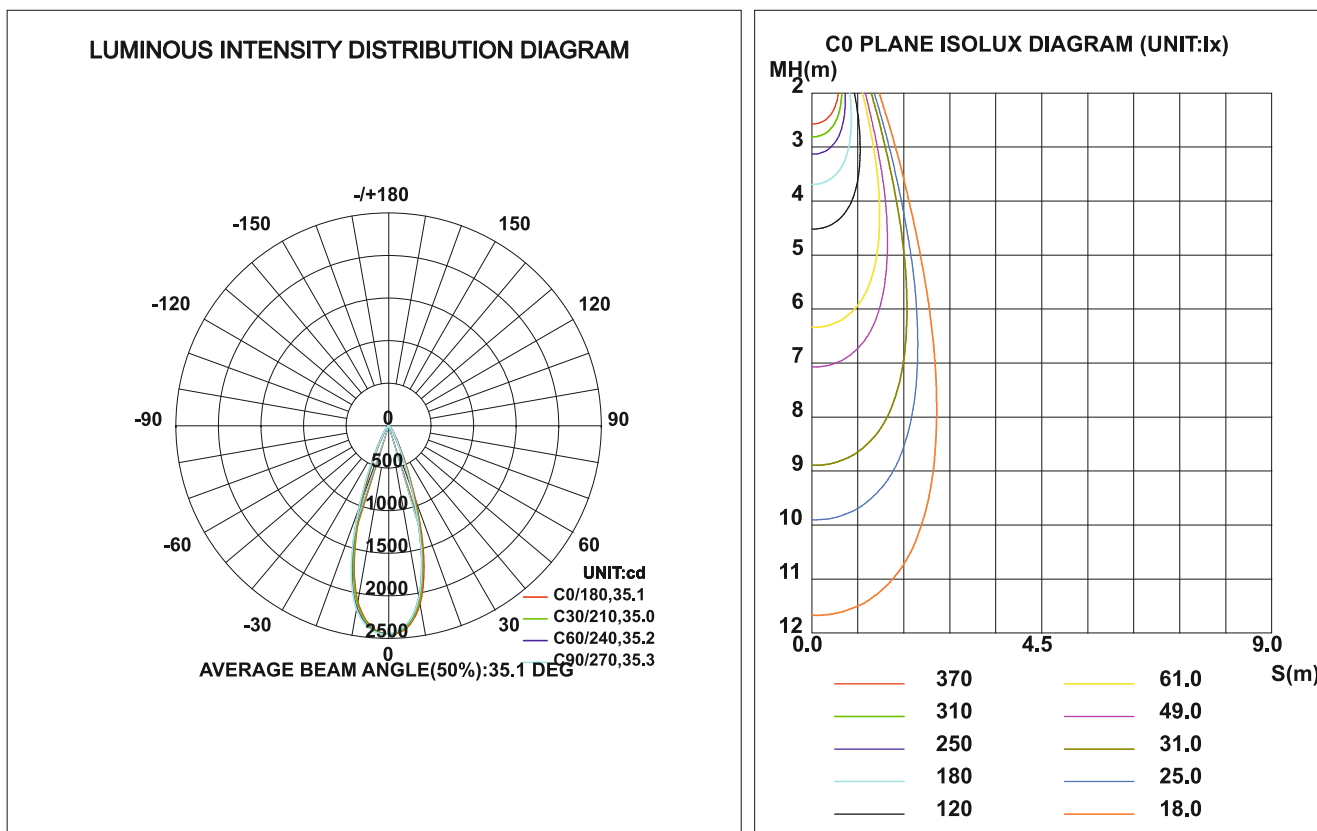
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Test Date: 2021-07-22

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:230.11V I:0.0530A P:11.503W PF:0.9436 Freq:49.99Hz Lamp Flux:1190.07x1 lm		
NAME: CROLL COLGANTE	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200697
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 80.81 lm/W
MODEL	CXB1512-27G-M2-NOU	I _{max} (cd)	2451	S/MH(C0/180)	0.55	
NOMINAL POWER(W)	12	LOR(%)	78.1	S/MH(C90/270)	0.57	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	929.50	η _{UP,DN} (C0-180)	0.0,37.2	
NOMINAL FLUX(lm)	1190.07	CIE CLASS	DIRECT	η _{UP,DN} (C180-360)	0.0,40.9	
LAMPS INSIDE	1	η _{up} (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η _{down} (%)	78.1	CIBSE SHR MAX	0.55	



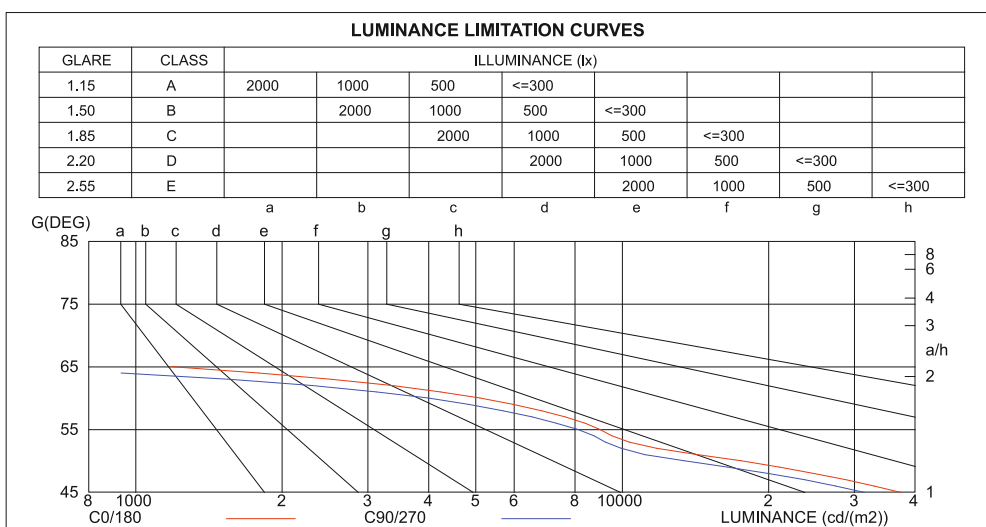
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2021-07-22

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:

/CROLL COLGANTE (05.AA36.2012__ / 05.AA36.2110.__ / 05.AA36.2212.__)

LUMINANCE LIMITATION CURVES

Test:U:230.11V I:0.0530A P:11.503W PF:0.9436 Freq:49.99Hz Lamp Flux:1190.07x1 lm		
NAME: CROLL COLGANTE	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200697
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	83	0
70	146	0
65	1182	333
60	5101	3990
55	8983	8089
50	17565	13411
45	37401	31468

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2021-07-22

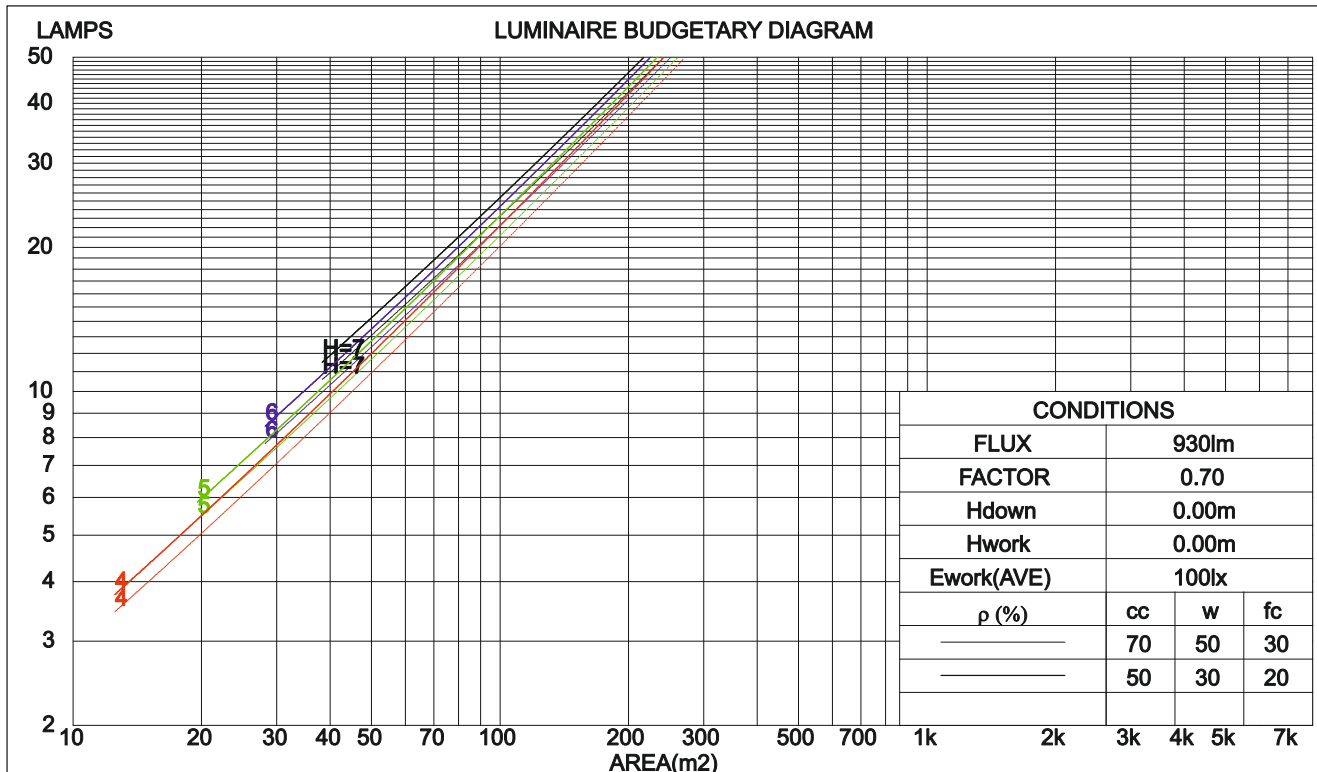
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

/CROLL COLGANTE (05.AA36.2012__ / 05.AA36.2110.__ / 05.AA36.2212.__)

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.11V I:0.0530A P:11.503W PF:0.9436 Freq:49.99Hz Lamp Flux:1190.07x1 lm		
NAME: CROLL COLGANTE	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200697
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	.93	.93	.93	.91	.91	.91	.87	.87	.87	.83	.83	.83	.80	.80	.80	.78
1.0	.88	.86	.85	.86	.85	.83	.83	.82	.81	.80	.79	.78	.77	.77	.76	.75
2.0	.83	.80	.78	.82	.79	.77	.79	.77	.76	.77	.75	.74	.75	.74	.73	.71
3.0	.79	.76	.73	.78	.75	.73	.76	.73	.72	.74	.72	.70	.72	.71	.69	.68
4.0	.75	.72	.69	.74	.71	.69	.73	.70	.68	.71	.69	.67	.70	.68	.66	.65
5.0	.72	.68	.66	.71	.68	.65	.70	.67	.65	.69	.66	.64	.67	.65	.64	.63
6.0	.69	.65	.62	.68	.65	.62	.67	.64	.62	.66	.63	.61	.65	.63	.61	.60
7.0	.66	.62	.60	.65	.62	.60	.65	.61	.59	.64	.61	.59	.63	.61	.59	.58
8.0	.63	.60	.57	.63	.60	.57	.62	.59	.57	.62	.59	.57	.61	.58	.56	.56
9.0	.61	.57	.55	.61	.57	.55	.60	.57	.55	.59	.57	.55	.59	.56	.54	.54
10.0	.59	.55	.53	.59	.55	.53	.58	.55	.53	.57	.55	.53	.57	.54	.52	.52



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2021-07-22

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:

/CROLL COLGANTE (05.AA36.2012__ / 05.AA36.2110.__ / 05.AA36.2212.__)

UGR(Unified Glare Rating) Table

Test:U:230.11V I:0.0530A P:11.503W PF:0.9436 Freq:49.99Hz Lamp Flux:1190.07x1 lm											
NAME: CROLL COLGANTE					TYPE:LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:200697			
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		16.2	17.0	16.4	17.1	17.3	15.4	16.2	15.7	16.3	16.5
	3H	16.1	16.7	16.3	16.9	17.1	15.3	16.0	15.5	16.2	16.4
	4H	16.0	16.6	16.2	16.8	17.1	15.2	15.9	15.5	16.1	16.3
	6H	15.9	16.5	16.2	16.7	17.0	15.1	15.7	15.4	16.0	16.2
	8H	15.8	16.4	16.1	16.7	16.9	15.1	15.7	15.4	15.9	16.2
	12H	15.8	16.4	16.1	16.6	16.9	15.0	15.6	15.3	15.9	16.1
4H 2H		16.0	16.6	16.3	16.9	17.1	15.2	15.9	15.5	16.1	16.3
	3H	15.8	16.4	16.1	16.6	16.9	15.1	15.6	15.4	15.9	16.2
	4H	15.7	16.2	16.1	16.5	16.8	15.0	15.5	15.3	15.8	16.1
	6H	15.6	16.1	16.0	16.4	16.7	14.9	15.3	15.2	15.6	16.0
	8H	15.6	16.0	16.0	16.3	16.7	14.8	15.2	15.2	15.6	15.9
	12H	15.5	15.9	15.9	16.3	16.7	14.8	15.1	15.2	15.5	15.9
8H 4H		15.6	16.0	16.0	16.3	16.7	14.8	15.2	15.2	15.6	15.9
	6H	15.5	15.8	15.9	16.2	16.6	14.7	15.0	15.1	15.4	15.9
	8H	15.4	15.7	15.8	16.1	16.6	14.6	14.9	15.1	15.4	15.8
	12H	15.3	15.6	15.8	16.0	16.5	14.6	14.8	15.0	15.3	15.8
12H 4H		15.5	15.9	15.9	16.3	16.7	14.8	15.1	15.2	15.5	15.9
	6H	15.4	15.7	15.8	16.1	16.6	14.6	14.9	15.1	15.4	15.8
	8H	15.3	15.6	15.8	16.0	16.5	14.6	14.8	15.0	15.3	15.8
Variations with the observer position at spacings:											
S = 1.0H		+ 3.3 / -10.2					+ 3.0 / -10.4				
1.5H		+ 5.1 / - 7.7					+ 4.9 / - 7.3				
2.0H		+ 6.5 / -12.4					+ 6.2 / -13.3				

CIE Pub.117, 1190 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.6)
Area: 0.001 m2

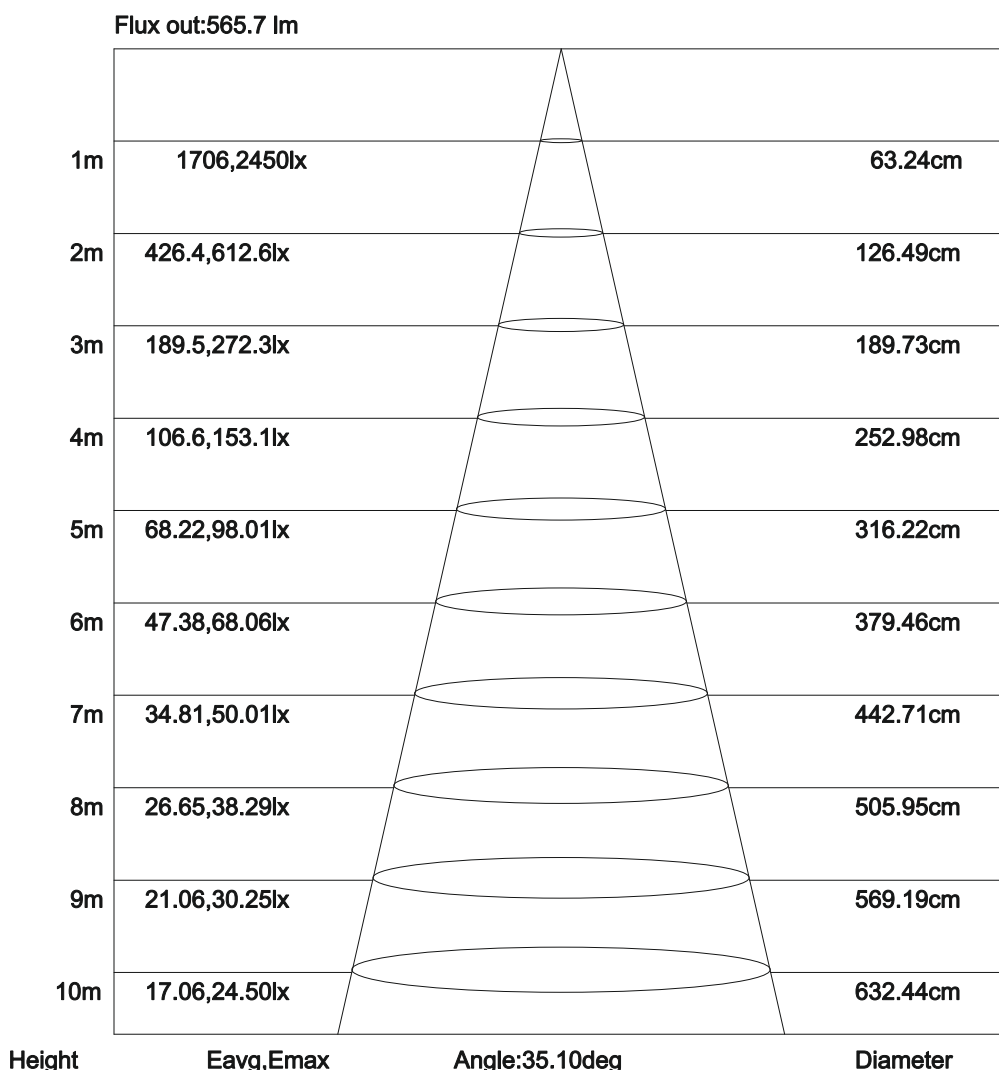
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2021-07-22

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:

/CROLL COLGANTE (05.AA36.2012__ / 05.AA36.2110.__ / 05.AA36.2212.__)

AAI Figure

Test:U:230.11V I:0.0530A P:11.503W PF:0.9436 Freq:49.99Hz Lamp Flux:1190.07x1 lm		
NAME: CROLL COLGANTE	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200697
MFR.:	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:2021-07-22

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.11V I:0.0530A P:11.503W PF:0.9436 Freq:49.99Hz Lamp Flux:1190.07x1 lm		
NAME: CROLL COLGANTE	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200697
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2021-07-22

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: