

IDEA

/CROLL COLGANTE (05.AA36.2013.__ / 05.AA36.2113.__ / 05.AA36.2213.__)



Light Output Ratio:	78.5%	
Luminaire Power:	11.49 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.55	fine grid method.

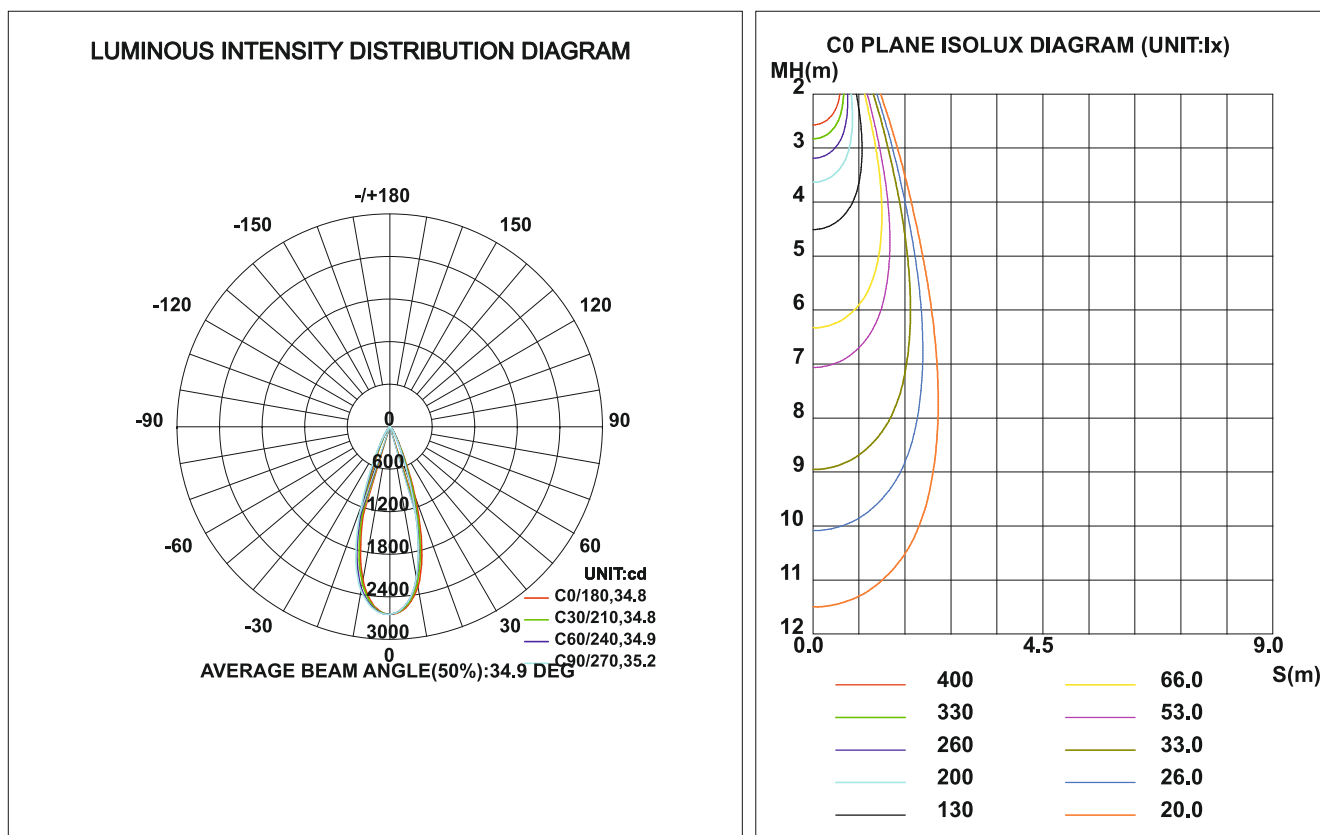
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2021-07-22

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:230.07V I:0.0529A P:11.487W PF:0.9436 Freq:49.99Hz Lamp Flux:1279x1 lm		
NAME: CROLL COLGANTE	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200697
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 87.40 lm/W
MODEL	CXB1512-30G-M4-NOU	I _{max} (cd)	2646	S/MH(C0/180)	0.53	
NOMINAL POWER(W)	11	LOR(%)	78.5	S/MH(C90/270)	0.59	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1003.9	η _{UP,DN} (C0-180)	0.0,36.9	
NOMINAL FLUX(lm)	1279	CIE CLASS	DIRECT	η _{UP,DN} (C180-360)	0.0,41.6	
LAMPS INSIDE	1	η _{up} (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	230	η _{down} (%)	78.5	CIBSE SHR MAX	0.55	



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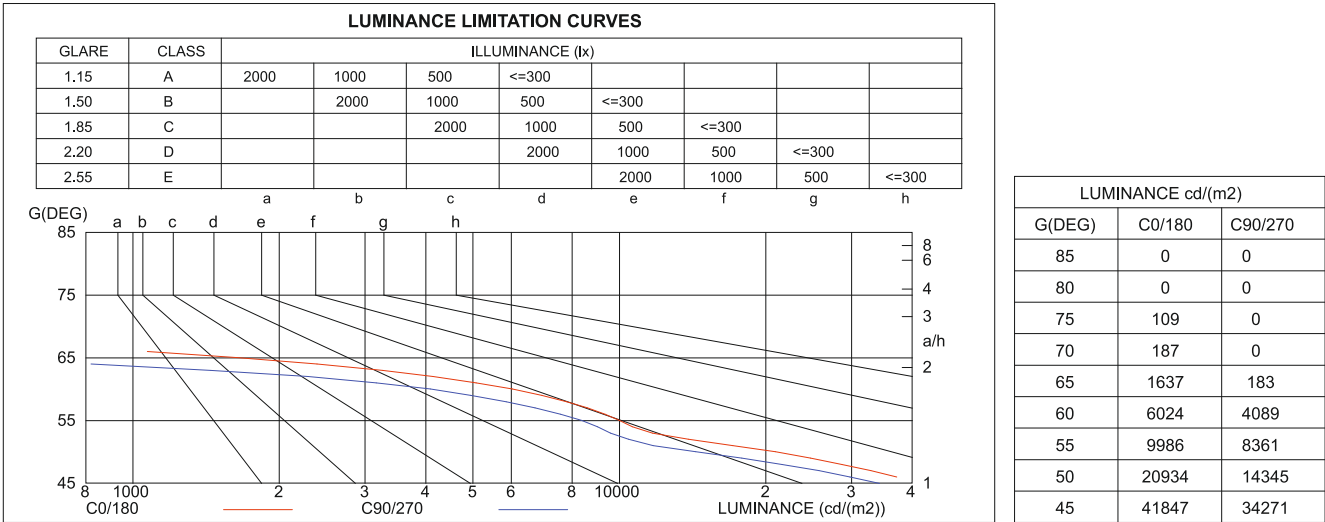


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LUMINANCE LIMITATION CURVES

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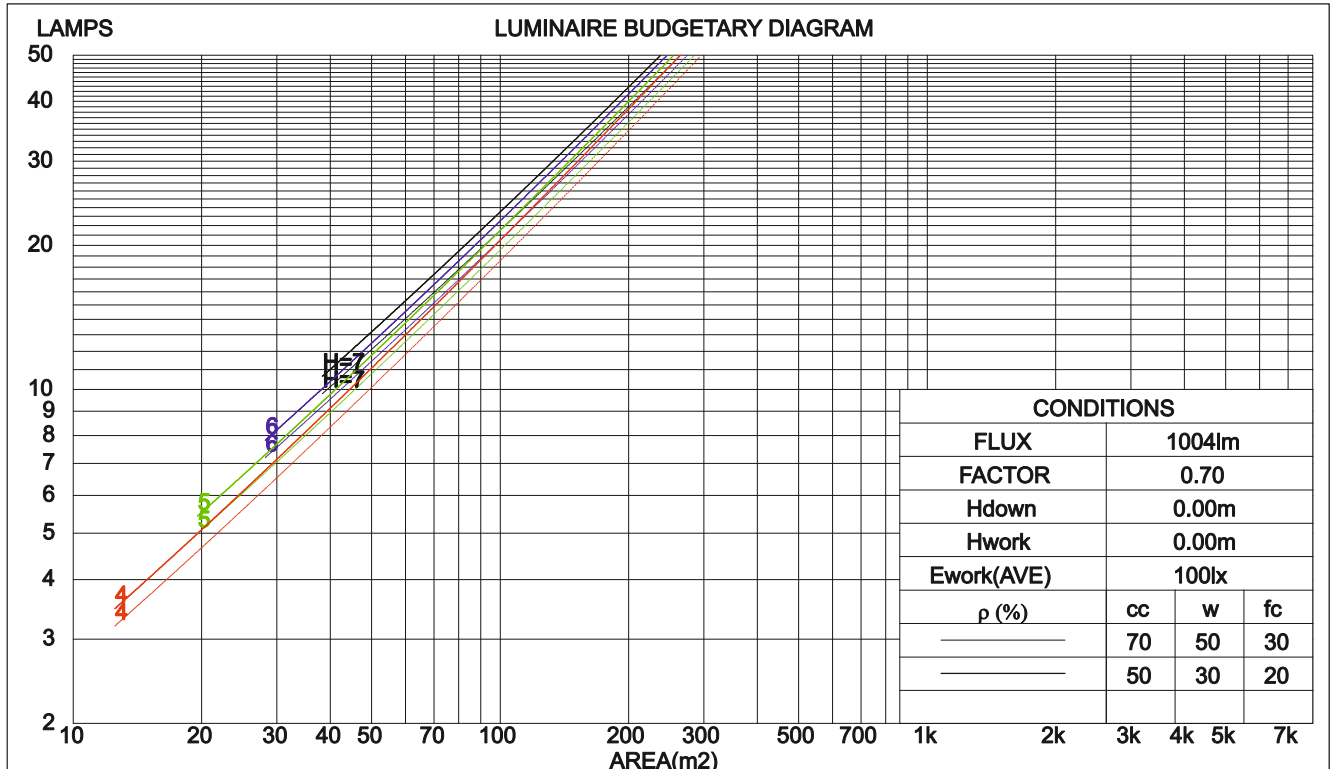
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:	DIM.:	SERIAL No.:200697
MFR.:	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	.93	.93	.93	.91	.91	.91	.87	.87	.87	.84	.84	.84	.80	.80	.80	.78
1.0	.88	.86	.85	.86	.85	.84	.83	.82	.81	.80	.80	.79	.78	.77	.76	.75
2.0	.83	.81	.79	.82	.80	.78	.80	.78	.76	.77	.76	.74	.75	.74	.73	.72
3.0	.79	.76	.73	.78	.75	.73	.76	.74	.72	.74	.72	.71	.73	.71	.70	.69
4.0	.75	.72	.69	.75	.71	.69	.73	.70	.68	.72	.69	.67	.70	.68	.67	.66
5.0	.72	.68	.66	.71	.68	.65	.70	.67	.65	.69	.66	.64	.68	.66	.64	.63
6.0	.69	.65	.63	.68	.65	.62	.67	.64	.62	.66	.64	.62	.65	.63	.61	.60
7.0	.66	.62	.60	.66	.62	.60	.65	.62	.59	.64	.61	.59	.63	.61	.59	.58
8.0	.64	.60	.57	.63	.60	.57	.62	.59	.57	.62	.59	.57	.61	.58	.57	.56
9.0	.61	.58	.55	.61	.57	.55	.60	.57	.55	.60	.57	.55	.59	.56	.54	.54
10.0	.59	.55	.53	.59	.55	.53	.58	.55	.53	.58	.55	.53	.57	.54	.53	.52



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UGR(Unified Glare Rating) Table

Test:U:230.07V I:0.0529A P:11.487W PF:0.9436 Freq:49.99Hz Lamp Flux:1279x1 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	16.6	17.3	16.8	17.5	17.6	15.7	16.4	15.9	16.6	16.8
	3H	16.4	17.1	16.7	17.3	17.5	15.5	16.2	15.8	16.4	16.6
	4H	16.3	17.0	16.6	17.2	17.4	15.5	16.1	15.7	16.3	16.5
	6H	16.3	16.9	16.5	17.1	17.3	15.4	16.0	15.7	16.2	16.5
	8H	16.2	16.8	16.5	17.1	17.3	15.3	15.9	15.6	16.2	16.4
	12H	16.2	16.7	16.5	17.0	17.3	15.3	15.9	15.6	16.1	16.4
4H	2H	16.4	17.0	16.6	17.2	17.4	15.5	16.1	15.7	16.3	16.6
	3H	16.2	16.8	16.5	17.0	17.3	15.3	15.9	15.6	16.1	16.4
	4H	16.1	16.6	16.4	16.9	17.2	15.2	15.7	15.5	16.0	16.3
	6H	16.0	16.4	16.4	16.8	17.1	15.1	15.6	15.5	15.9	16.2
	8H	15.9	16.4	16.3	16.7	17.1	15.1	15.5	15.4	15.8	16.2
	12H	15.9	16.3	16.3	16.6	17.0	15.0	15.4	15.4	15.8	16.1
8H	4H	15.9	16.4	16.3	16.7	17.1	15.1	15.5	15.4	15.8	16.2
	6H	15.8	16.2	16.2	16.6	17.0	14.9	15.3	15.4	15.7	16.1
	8H	15.8	16.1	16.2	16.5	16.9	14.9	15.2	15.3	15.6	16.0
	12H	15.7	16.0	16.2	16.4	16.9	14.8	15.1	15.3	15.5	16.0
12H	4H	15.9	16.3	16.3	16.6	17.0	15.0	15.4	15.4	15.8	16.1
	6H	15.8	16.1	16.2	16.5	16.9	14.9	15.2	15.3	15.6	16.0
	8H	15.7	16.0	16.2	16.4	16.9	14.8	15.1	15.3	15.5	16.0
Variations with the observer position at spacings:											
S = 1.0H		+ 3.2 / -10.1					+ 2.9 / -10.8				
1.5H		+ 5.1 / - 7.7					+ 4.7 / - 7.3				
2.0H		+ 6.3 / -12.0					+ 6.1 / -13.5				

CIE Pub.117, 1279 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.9$)
Area: 0.001 m²

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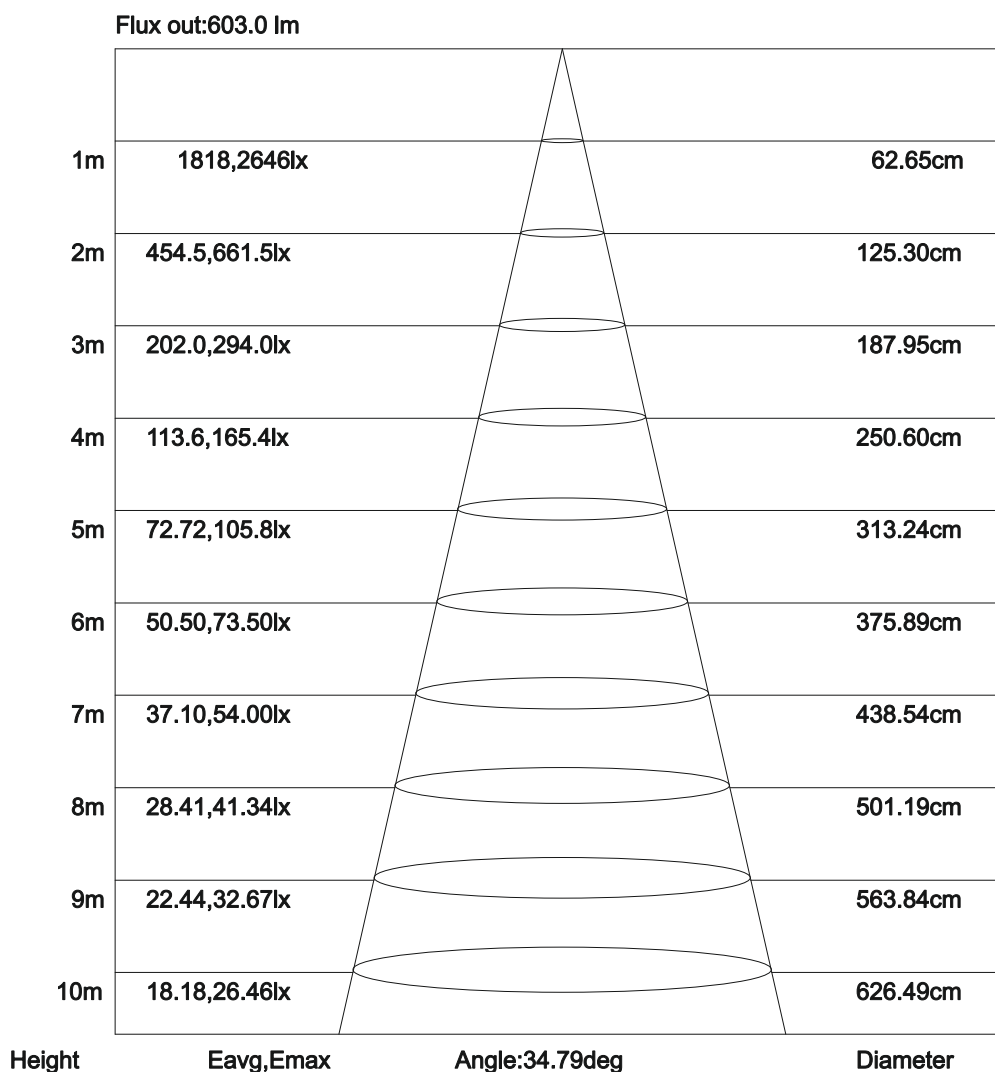
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AAI Figure

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

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LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: cd

[illegible]

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