



Light Output Ratio:	100.0%	
Luminaire Power:	14.63 W	
SHR Nominal:	1.25	Calculated using the TM5
SHR Maximum:	1.35	fine grid method.

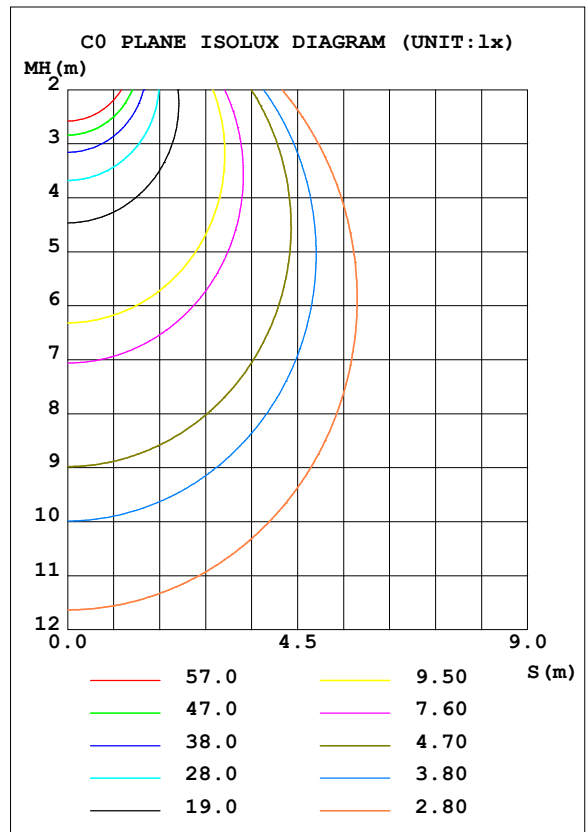
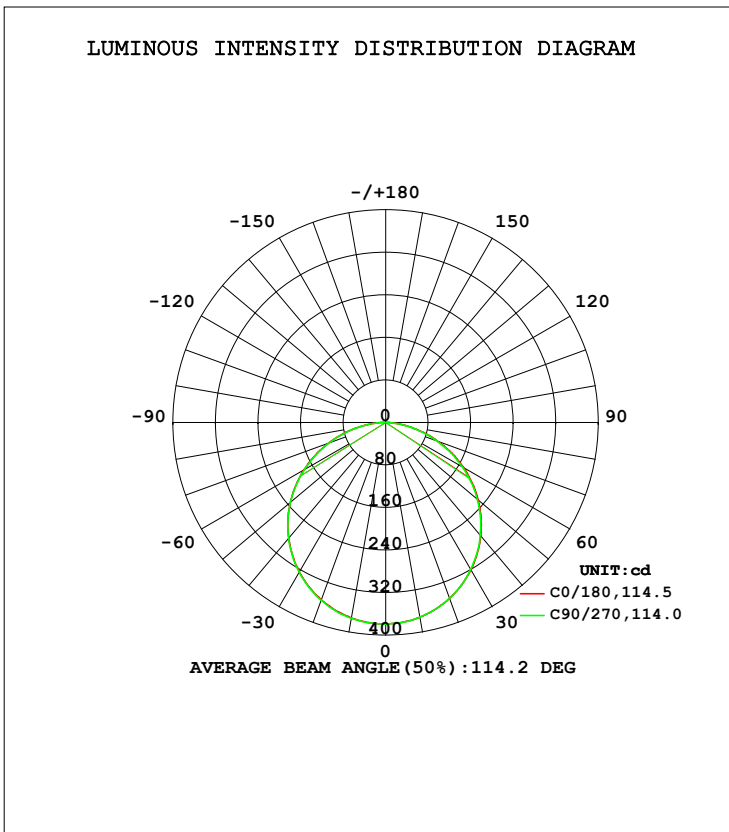
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-06-26

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:42.000V I:0.3483A P:14.629W PF:1.0000 Freq:49.99Hz Lamp Flux:1107.02x1 lm		
NAME: LLL803 12.6W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200662
MFR.: Titanic	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.67 lm/W			
MODEL	Bridgelux 2835	I _{max} (cd)	379.1	S/MH(C0/180)	1.27
NOMINAL POWER(W)	14.7	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	42	TOTAL FLUX(lm)	1107.0	η UP, DN(C0-180)	0.0,48.9
NOMINAL FLUX(lm)	1107.02	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,51.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	42	η down(%)	100.0	CIBSE SHR MAX	1.35

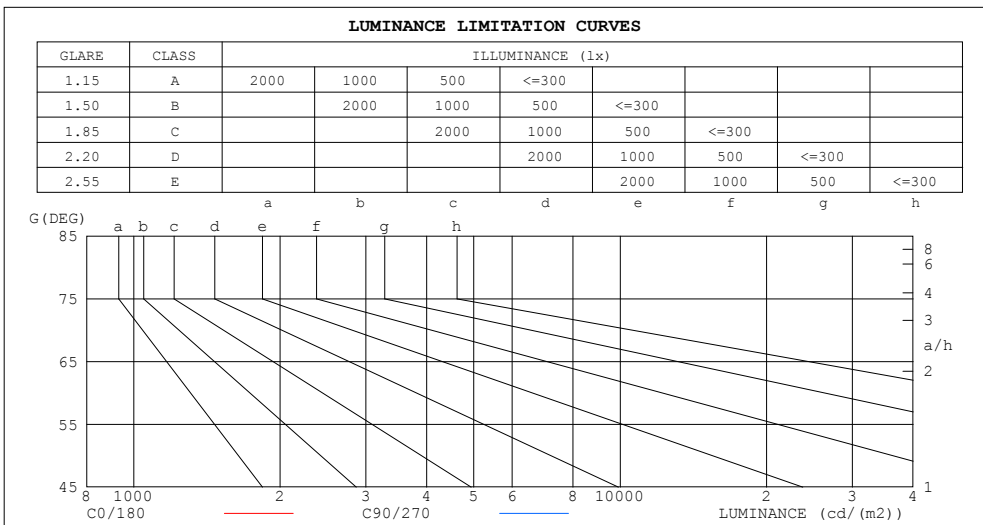


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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
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 Remarks:

LUMINANCE LIMITATION CURVES

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NAME: LLL803 12.6W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200662
MFR.: Titanic	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	183342	165339
80	247684	235548
75	283962	274614
70	308599	301124
65	325394	319466
60	337770	332756
55	346506	342699
50	353452	350496
45	358905	356620

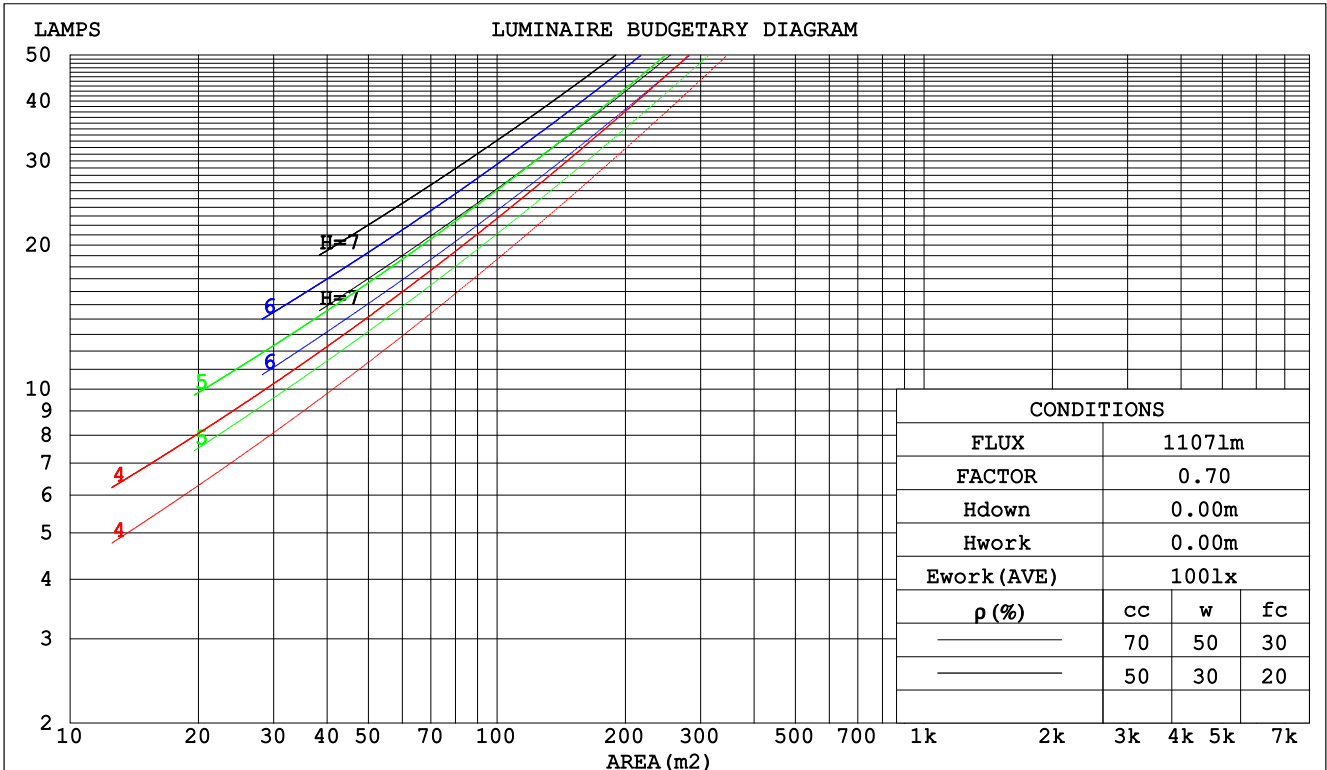
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:42.000V I:0.3483A P:14.629W PF:1.0000 Freq:49.99Hz Lamp Flux:1107.02x1 lm		
NAME: LLL803 12.6W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200662
MFR.: Titanic	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
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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:42.000V I:0.3483A P:14.629W PF:1.0000 Freq:49.99Hz Lamp Flux:1107.02x1 lm										
NAME: LLL803 12.6W					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:200662		
MFR.: Titanic					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	32.8	34.3	33.1	34.5	34.7	32.7	34.3	33.0	34.5	34.7
3H	34.3	35.7	34.6	36.0	36.2	34.2	35.7	34.5	35.9	36.1
4H	34.9	36.3	35.2	36.5	36.8	34.8	36.2	35.1	36.4	36.7
6H	35.3	36.6	35.7	36.9	37.2	35.2	36.5	35.5	36.8	37.0
8H	35.5	36.7	35.8	37.0	37.3	35.3	36.5	35.7	36.8	37.1
12H	35.5	36.7	35.9	37.0	37.3	35.4	36.5	35.7	36.8	37.1
4H 2H	33.4	34.7	33.7	35.0	35.3	33.4	34.7	33.7	35.0	35.2
3H	35.1	36.3	35.5	36.6	36.9	35.0	36.2	35.4	36.5	36.8
4H	35.8	36.9	36.2	37.2	37.6	35.7	36.8	36.1	37.2	37.5
6H	36.4	37.3	36.8	37.7	38.0	36.3	37.2	36.7	37.6	37.9
8H	36.5	37.4	36.9	37.8	38.2	36.4	37.3	36.8	37.7	38.1
12H	36.6	37.4	37.0	37.8	38.2	36.5	37.3	36.9	37.7	38.1
8H 4H	36.1	37.0	36.5	37.3	37.7	36.0	36.9	36.4	37.3	37.7
6H	36.8	37.5	37.2	37.9	38.3	36.7	37.4	37.1	37.8	38.2
8H	37.0	37.7	37.5	38.1	38.5	36.9	37.5	37.3	38.0	38.4
12H	37.1	37.7	37.6	38.2	38.6	37.0	37.6	37.5	38.0	38.5
12H 4H	36.1	36.9	36.5	37.3	37.7	36.0	36.8	36.4	37.2	37.6
6H	36.8	37.5	37.3	37.9	38.3	36.7	37.4	37.2	37.8	38.2
8H	37.1	37.6	37.6	38.1	38.6	37.0	37.5	37.4	38.0	38.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

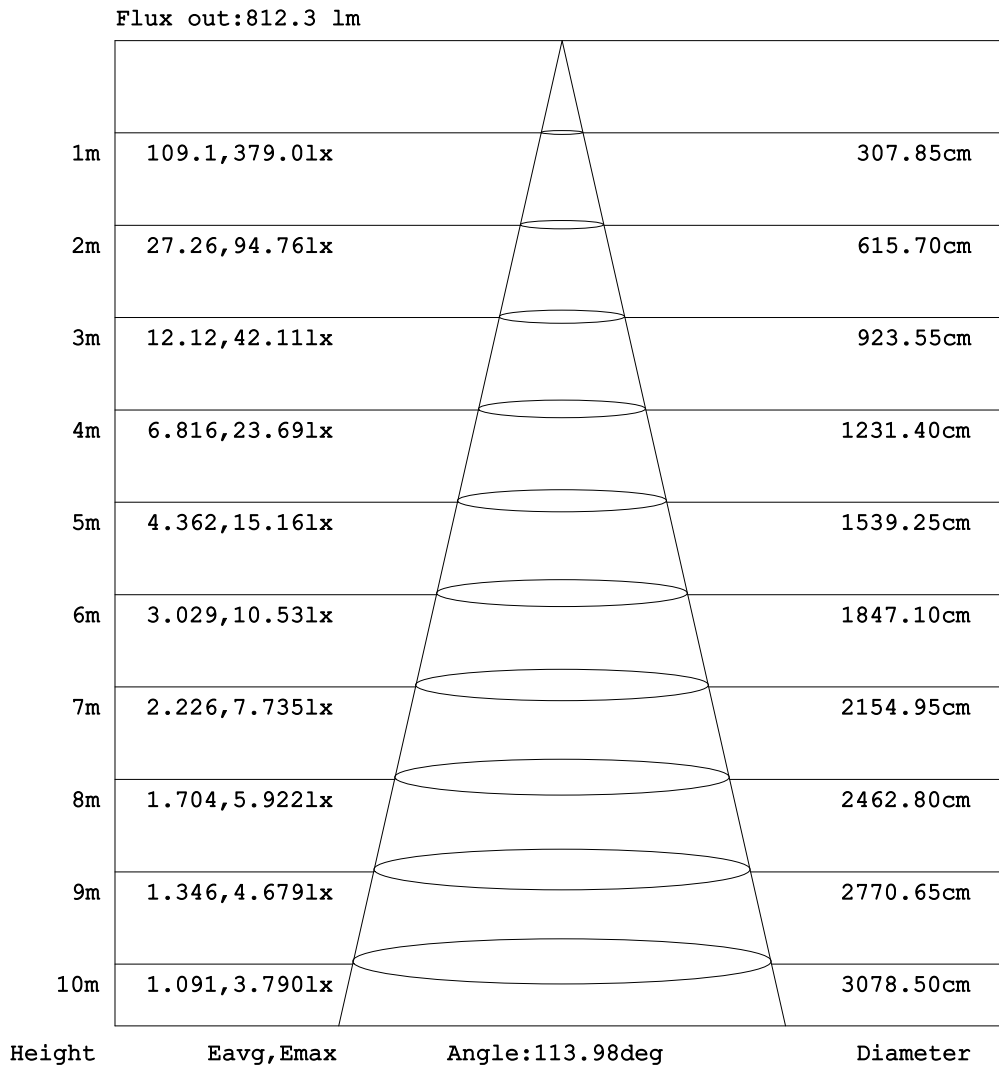
CIE Pub.117, 1107 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.4)
 Area: 0.001 m2

C Range: 0 - 360DEG
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 Operators:DAMIN
 Test Date:2021-06-26

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 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:42.000V I:0.3483A P:14.629W PF:1.0000 Freq:49.99Hz Lamp Flux:1107.02x1 lm		
NAME: LLL803 12.6W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200662
MFR.: Titanic	SUR.:	Shielding Angle:



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

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γ Range: 0 - 90DEG
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 Humidity:65.0%
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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: LLL803 12.6W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:200662
MFR.: Titanic	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	379	379	379	379															
5	377	377	378	378															
10	372	372	373	374															
15	363	364	366	366															
20	352	352	355	356															
25	338	337	341	342															
30	320	320	325	325															
35	300	300	306	306															
40	278	277	284	284															
45	254	252	260	260															
50	227	225	234	234															
55	199	197	207	206															
60	169	166	177	176															
65	138	135	147	145															
70	106	103	115	114															
75	73.5	71.1	83.2	81.6															
80	43.0	40.9	52.3	50.8															
85	16.0	14.4	24.1	22.8															
90	0.67	0.67	1.74	1.23															

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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
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Humidity:65.0%
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Remarks: