



Light Output Ratio:	38.2%	
Luminaire Power:	10.31 W	
SHR Nominal:	1.75	Calculated using the TM5
SHR Maximum:	1.75	fine grid method.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-12-14

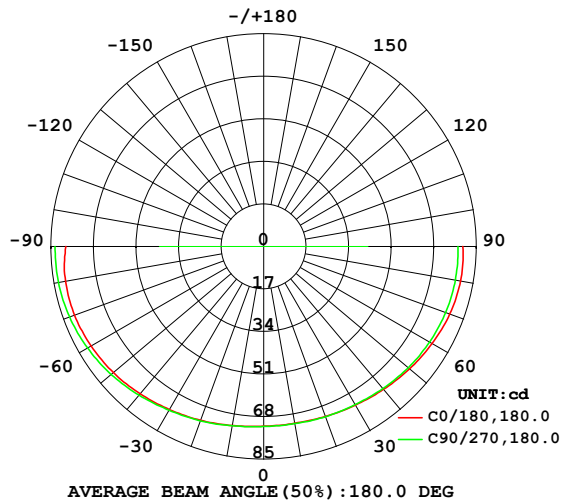
γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

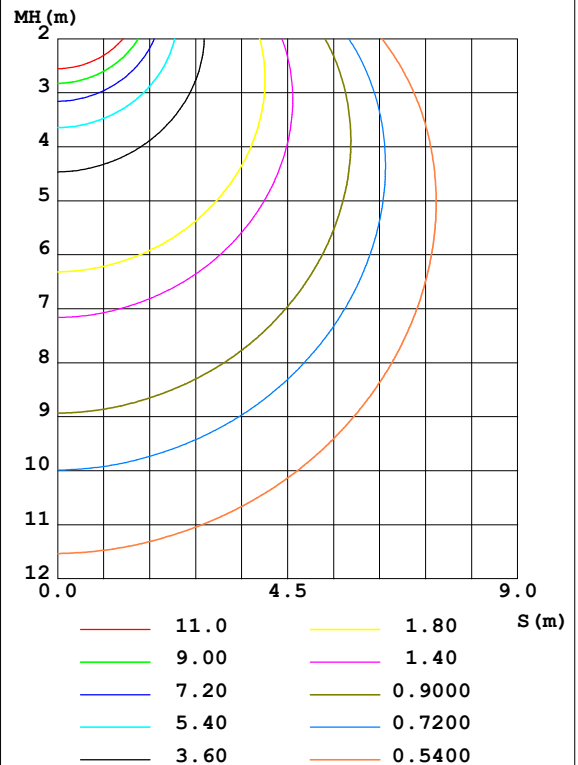
Test:U:47.999V I:0.2147A P:10.305W PF:1.0000 Freq:49.99Hz Lamp Flux:1282x1 lm		
NAME: LPE-9403P	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 220110
MFR.: Titanic	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 47.48 lm/W			
MODEL	Bidgelux2835	I _{max} (cd)	83.39	S/MH(C0/180)	1.63
NOMINAL POWER(W)	10.3	LOR(%)	38.2	S/MH(C90/270)	1.64
RATED VOLTAGE(V)	48	TOTAL FLUX(lm)	489.29	η UP,DN(C0-180)	0.0,18.7
NOMINAL FLUX(lm)	1282	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,19.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)	48	η down(%)	38.2	CIBSE SHR MAX	1.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

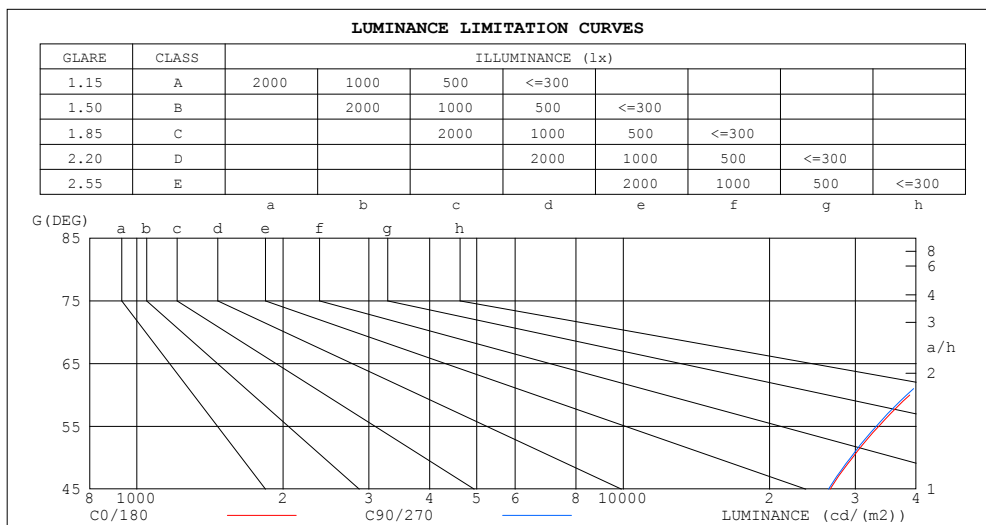


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C Interval: 90.0DEG
Test Speed: HIGH
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Test Date: 2022-12-14

γ Range: 0 - 90DEG
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Remarks:

LUMINANCE LIMITATION CURVES

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SPEC.:	DIM.:	SERIAL No.: 220110
MFR.: Titanic	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	229130	223084
80	115020	111930
75	76909	74992
70	57842	56553
65	46416	45549
60	38839	38256
55	33523	33132
50	29599	29333
45	26624	26432

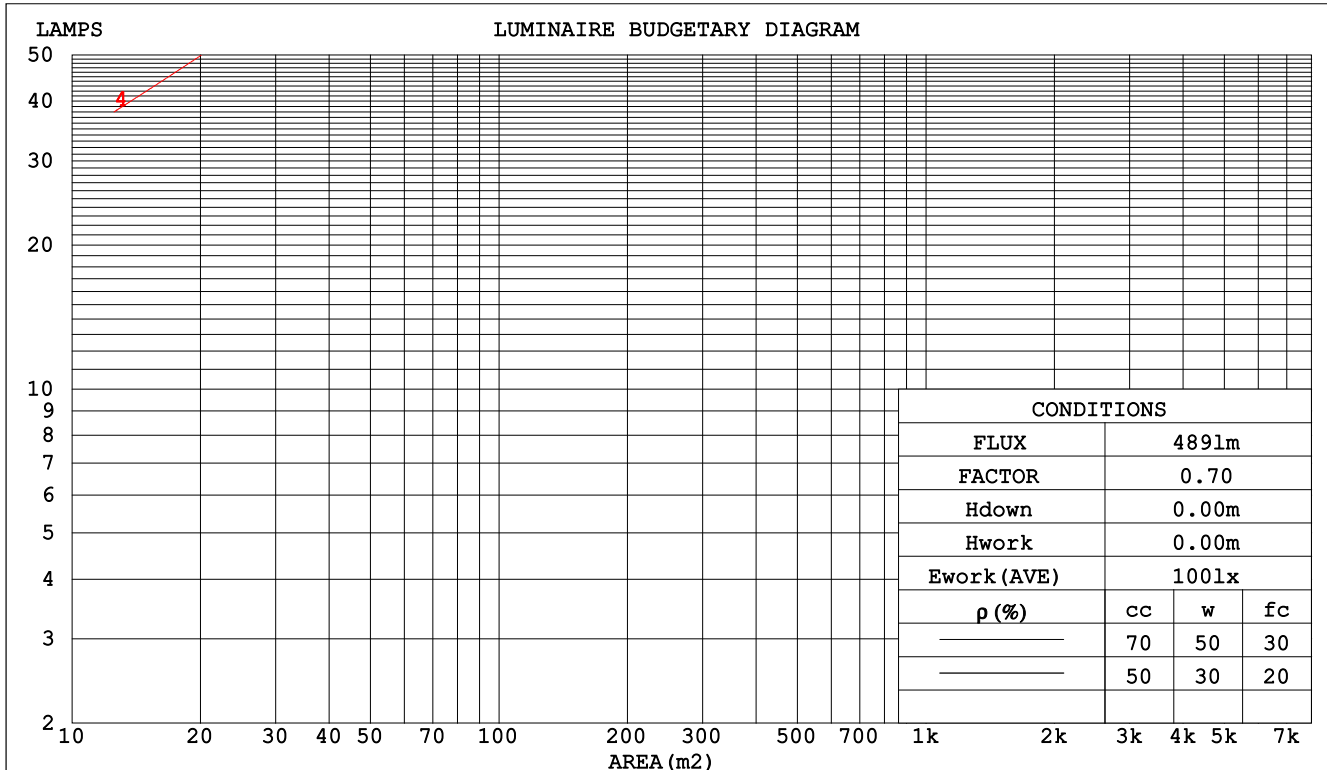
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-12-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:47.999V I:0.2147A P:10.305W PF:1.0000 Freq:49.99Hz Lamp Flux:1282x1 lm		
NAME: LPE-9403P	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 220110
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	.45	.45	.45	.44	.44	.44	.42	.42	.42	.41	.41	.41	.39	.39	.39	.38
1.0	.35	.32	.30	.34	.31	.29	.32	.30	.28	.31	.29	.27	.29	.28	.26	.25
2.0	.29	.25	.22	.28	.24	.21	.27	.23	.21	.25	.23	.20	.24	.22	.20	.19
3.0	.24	.20	.17	.24	.20	.17	.22	.19	.16	.21	.18	.16	.20	.18	.16	.14
4.0	.21	.17	.13	.21	.16	.13	.19	.16	.13	.18	.15	.13	.18	.15	.13	.12
5.0	.19	.14	.11	.18	.14	.11	.17	.14	.11	.16	.13	.11	.16	.13	.11	.10
6.0	.16	.12	.09	.16	.12	.09	.15	.12	.09	.15	.11	.09	.14	.11	.09	.08
7.0	.15	.11	.08	.14	.11	.08	.14	.10	.08	.13	.10	.08	.13	.10	.08	.07
8.0	.13	.10	.07	.13	.10	.07	.13	.09	.07	.12	.09	.07	.12	.09	.07	.06
9.0	.12	.09	.06	.12	.09	.06	.12	.08	.06	.11	.08	.06	.11	.08	.06	.05
10.0	.11	.08	.06	.11	.08	.06	.11	.08	.06	.10	.07	.05	.10	.07	.05	.05



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:47.999V I:0.2147A P:10.305W PF:1.0000 Freq:49.99Hz										
Lamp Flux:1282x1 lm										
NAME: LPE-9403P					TYPE: LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 220110		
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	24.1	26.0	24.4	26.2	26.5	24.1	25.9	24.4	26.2	26.4
3H	27.5	29.2	27.8	29.5	29.8	27.4	29.1	27.7	29.4	29.7
4H	29.3	31.1	29.7	31.3	31.6	29.2	30.9	29.6	31.2	31.5
6H	31.5	33.1	31.8	33.4	33.7	31.3	33.0	31.7	33.3	33.6
8H	32.6	34.2	33.0	34.5	34.9	32.5	34.1	32.9	34.4	34.7
12H	34.0	35.5	34.3	35.8	36.2	33.8	35.4	34.2	35.7	36.0
4H 2H	25.2	26.9	25.6	27.2	27.5	25.2	26.9	25.5	27.2	27.5
3H	28.7	30.3	29.1	30.6	30.9	28.6	30.2	29.0	30.5	30.9
4H	30.8	32.2	31.1	32.6	32.9	30.7	32.1	31.1	32.5	32.8
6H	33.0	34.4	33.4	34.7	35.1	32.9	34.2	33.3	34.6	35.0
8H	34.3	35.6	34.7	36.0	36.4	34.2	35.4	34.6	35.8	36.2
12H	35.7	36.9	36.2	37.3	37.8	35.6	36.8	36.1	37.2	37.6
8H 4H	31.6	32.8	32.0	33.2	33.6	31.5	32.8	31.9	33.1	33.6
6H	34.1	35.2	34.6	35.7	36.1	34.0	35.1	34.5	35.6	36.0
8H	35.6	36.6	36.1	37.0	37.5	35.5	36.5	35.9	36.9	37.4
12H	37.3	38.2	37.7	38.6	39.1	37.1	38.1	37.6	38.5	39.0
12H 4H	31.8	33.0	32.2	33.4	33.8	31.7	32.9	32.2	33.3	33.8
6H	34.5	35.5	35.0	35.9	36.4	34.4	35.4	34.9	35.9	36.3
8H	36.1	37.0	36.5	37.4	37.9	36.0	36.9	36.5	37.3	37.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

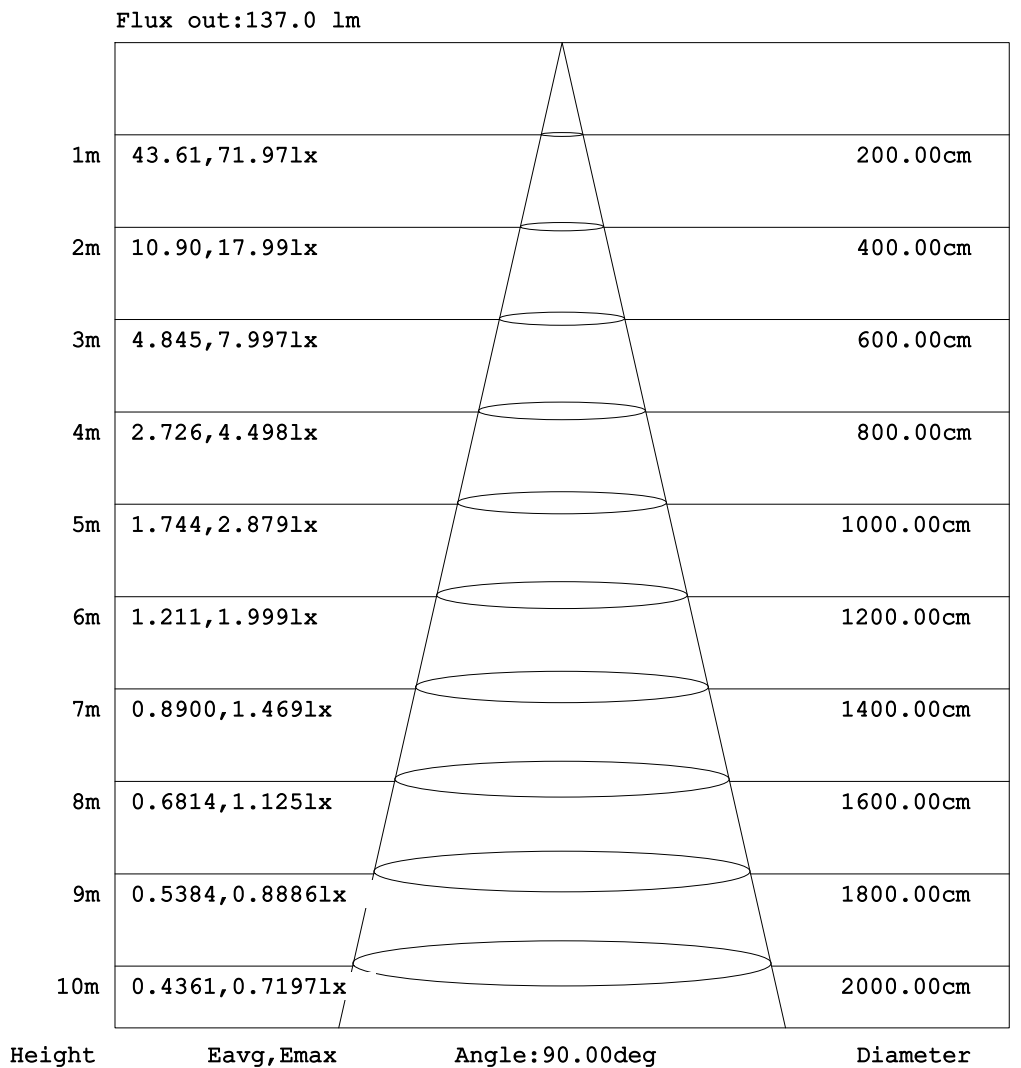
CIE Pub.117, 1282 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.9)
Area: 0.004 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI Figure

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NAME: LPE-9403P	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 220110
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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C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-12-14

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Test Distance:10.000m [K=1.0000]
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