



Light Output Ratio:	84.3%	
Luminaire Power:	23.97 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.20	fine grid method.

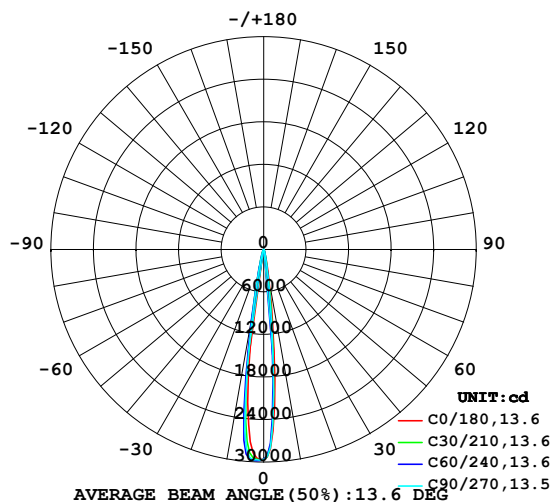
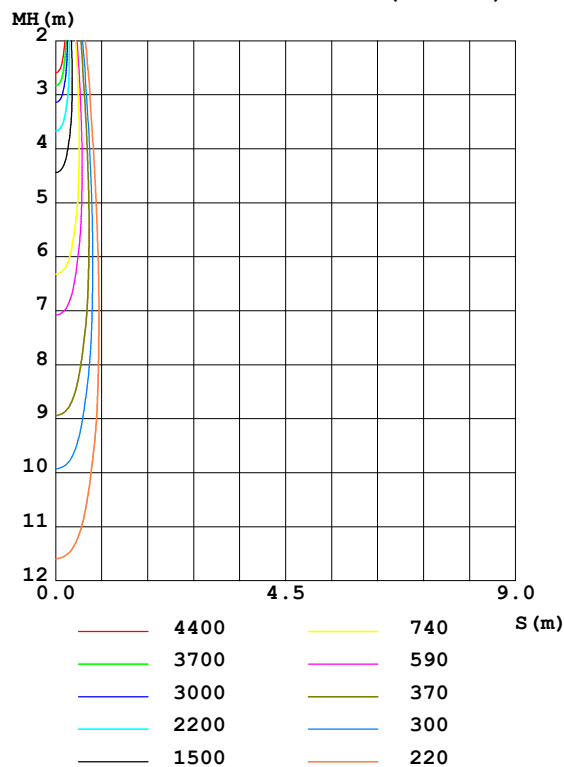
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-06-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity: 65.0%
Test Distance: 10.214m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:34.246V I:0.7000A P:23.972W PF:1.0000 Freq:49.99Hz Lamp Flux:2884x1 lm		
NAME: LYE-8051A	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 230091
MFR.: Cosine	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.39 lm/W			
MODEL	CXB1512-3000K	I _{max} (cd)	29812	S/MH (C0/180)	0.25
NOMINAL POWER (W)	26	LOR (%)	84.3	S/MH (C90/270)	0.26
RATED VOLTAGE (V)	37	TOTAL FLUX (lm)	2430.5	η UP, DN (C0-180)	0.0, 33.2
NOMINAL FLUX (lm)	2884	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	37	η down (%)	84.3	CIBSE SHR MAX	0.20

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


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Operators: DAMIN
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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity: 65.0%
Test Distance: 10.214m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM
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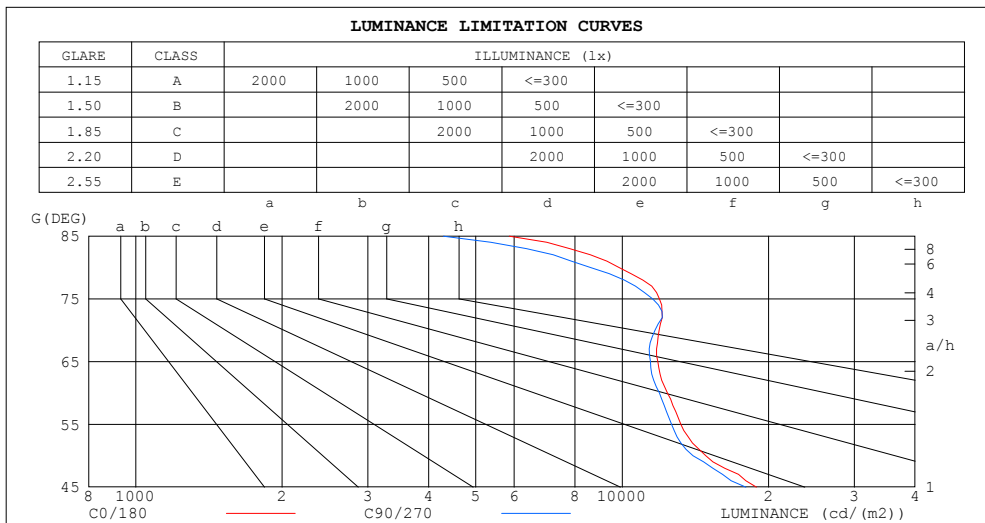
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	421.5	309.8	306.9	478.1	761.1	959.6	877.8	654.6	0- 10	1500	1500	61.7,52
20	53.06	47.72	47.50	55.21	71.26	80.58	75.13	64.00	10- 20	521.8	2021	83.2,70.1
30	18.56	17.56	17.21	18.85	22.26	24.19	22.82	20.61	20- 30	158.5	2180	89.7,75.6
40	9.718	9.519	9.309	9.662	10.80	11.60	11.07	10.17	30- 40	88.38	2268	93.3,78.6
50	5.729	5.530	5.396	5.682	6.390	7.230	6.719	6.136	40- 50	62.84	2331	95.9,80.8
60	3.714	3.621	3.577	3.729	4.000	4.163	4.071	3.875	50- 60	42.66	2374	97.7,82.3
70	2.444	2.389	2.398	2.495	2.644	2.735	2.667	2.558	60- 70	31.09	2405	98.9,83.4
80	1.027	0.8787	0.8979	1.098	1.334	1.469	1.445	1.252	70- 80	20.51	2425	99.8,84.1
90	0.0144	0.0136	0.0128	0.0136	0.0144	0.0738	0.0433	0.0349	80- 90	5.246	2431	100,84.3
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
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 Operators:DAMIN
 Test Date:2023-06-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:10.214m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:34.246V I:0.7000A P:23.972W PF:1.0000 Freq:49.99Hz Lamp Flux:2884x1 lm		
NAME: LYE-8051A	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 230091
MFR.: Cosine	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5860	4290
80	9857	8618
75	11929	11553
70	11909	11685
65	11841	11440
60	12381	11924
55	13202	12640
50	14854	13990
45	18891	17949

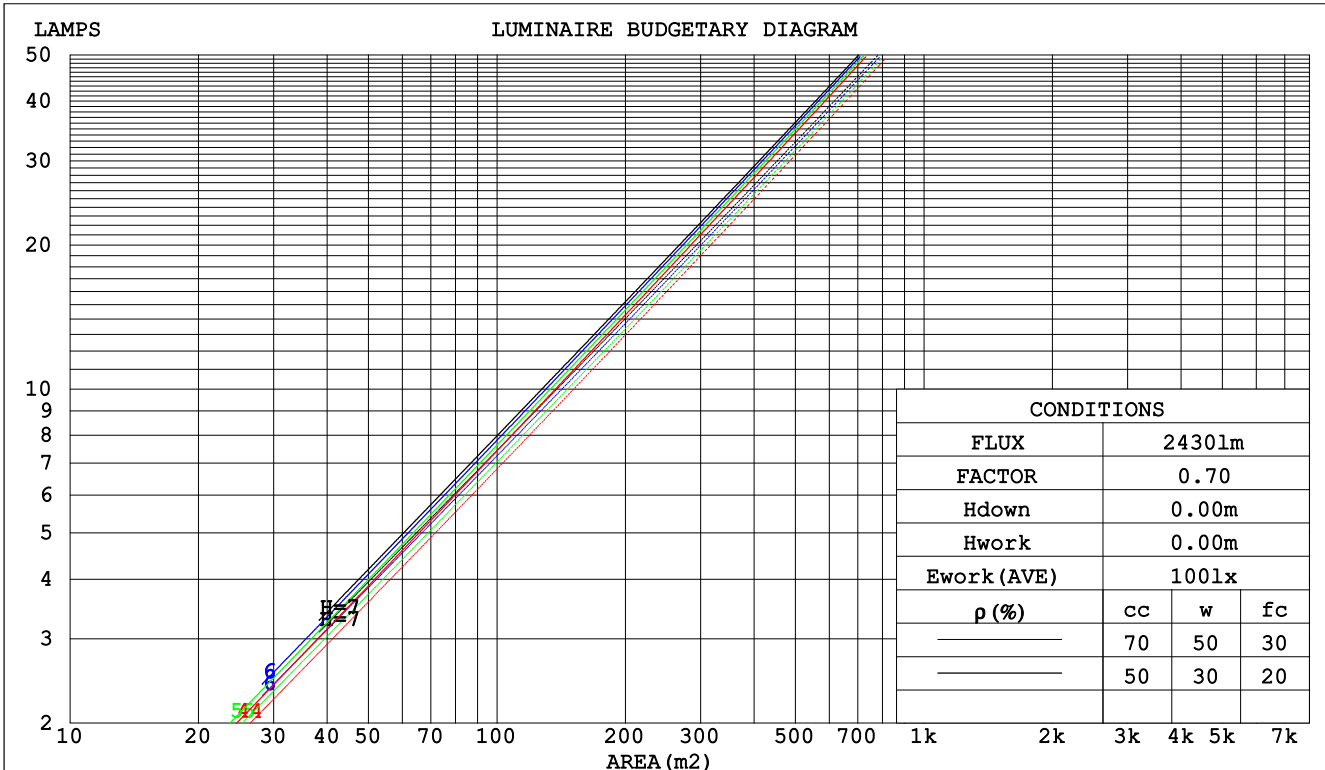
C Range: 0 - 360DEG
 C Interval: 30.0DEG
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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:34.246V I:0.7000A P:23.972W PF:1.0000 Freq:49.99Hz Lamp Flux:2884x1 lm		
NAME: LYE-8051A	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 230091
MFR.: Cosine	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	1.00	1.00	1.00	.98	.98	.98	.94	.94	.94	.90	.90	.90	.86	.86	.86	.84
1.0	.95	.94	.92	.93	.92	.91	.90	.89	.88	.87	.86	.85	.84	.84	.83	.82
2.0	.91	.89	.87	.90	.87	.86	.87	.85	.84	.85	.83	.82	.82	.81	.80	.79
3.0	.88	.85	.82	.86	.84	.82	.84	.82	.80	.83	.81	.79	.81	.79	.78	.77
4.0	.85	.82	.79	.84	.81	.79	.82	.80	.78	.81	.79	.77	.79	.78	.76	.75
5.0	.82	.79	.77	.82	.79	.76	.80	.78	.76	.79	.77	.75	.78	.76	.75	.74
6.0	.80	.77	.75	.80	.77	.74	.78	.76	.74	.77	.75	.73	.76	.75	.73	.72
7.0	.78	.75	.73	.78	.75	.73	.77	.74	.72	.76	.74	.72	.75	.73	.72	.71
8.0	.77	.74	.71	.76	.73	.71	.75	.73	.71	.75	.73	.71	.74	.72	.71	.70
9.0	.75	.72	.70	.75	.72	.70	.74	.72	.70	.74	.71	.70	.73	.71	.70	.69
10.0	.74	.71	.69	.74	.71	.69	.73	.71	.69	.73	.70	.69	.72	.70	.69	.68



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-27

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:10.214m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:34.246V I:0.7000A P:23.972W PF:1.0000 Freq:49.99Hz Lamp Flux:2884x1 lm										
NAME: LYE-8051A					TYPE: LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 230091		
MFR.: Cosine					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	11.1	11.6	11.3	11.8	11.9	10.8	11.4	11.0	11.6	11.7
3H	12.4	13.0	12.6	13.1	13.3	12.2	12.8	12.4	12.9	13.1
4H	13.1	13.6	13.3	13.8	14.0	12.9	13.4	13.1	13.6	13.8
6H	13.5	14.0	13.8	14.3	14.5	13.3	13.8	13.5	14.0	14.2
8H	13.6	14.1	13.9	14.4	14.6	13.3	13.8	13.6	14.1	14.3
12H	13.6	14.1	13.9	14.4	14.6	13.3	13.8	13.6	14.1	14.3
4H 2H	11.6	12.1	11.8	12.3	12.5	11.4	11.9	11.6	12.1	12.3
3H	13.1	13.6	13.4	13.9	14.1	13.0	13.5	13.3	13.7	14.0
4H	13.9	14.4	14.3	14.7	15.0	13.8	14.2	14.1	14.5	14.8
6H	14.5	14.9	14.8	15.2	15.5	14.2	14.6	14.6	14.9	15.3
8H	14.6	15.0	15.0	15.3	15.7	14.3	14.7	14.7	15.0	15.4
12H	14.6	15.0	15.0	15.3	15.7	14.3	14.7	14.7	15.0	15.4
8H 4H	14.2	14.5	14.6	14.9	15.2	14.0	14.4	14.4	14.7	15.1
6H	14.8	15.1	15.2	15.5	15.9	14.5	14.9	15.0	15.2	15.7
8H	15.0	15.2	15.4	15.6	16.1	14.7	14.9	15.1	15.4	15.8
12H	15.0	15.2	15.5	15.7	16.2	14.7	14.9	15.1	15.4	15.8
12H 4H	14.1	14.5	14.6	14.9	15.2	14.0	14.3	14.4	14.7	15.1
6H	14.8	15.1	15.2	15.5	15.9	14.6	14.8	15.0	15.2	15.7
8H	15.0	15.2	15.4	15.6	16.1	14.7	14.9	15.1	15.4	15.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.6 / - 0.4					+ 0.6 / - 0.4				

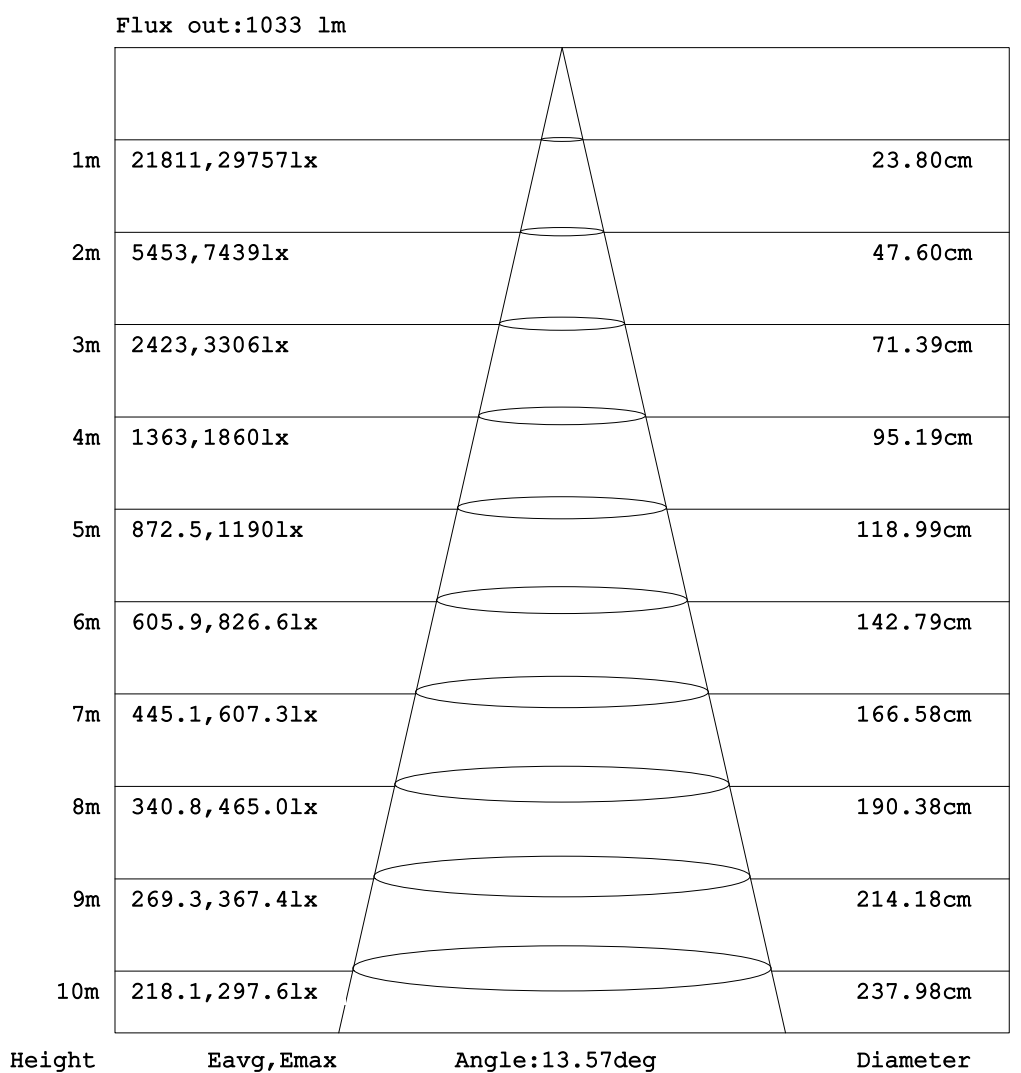
CIE Pub.117, 2884 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.7)
Area: 0.006 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-06-27

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
Humidity:65.0%
Test Distance:10.214m [K=1.0000]
Remarks:

AAI Figure

Test:U:34.246V I:0.7000A P:23.972W PF:1.0000 Freq:49.99Hz Lamp Flux:2884x1 lm		
NAME: LYE-8051A	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 230091
MFR.: Cosine	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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