



Light Output Ratio:	87.3%	
Luminaire Power:	26.11 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.20	fine grid method.

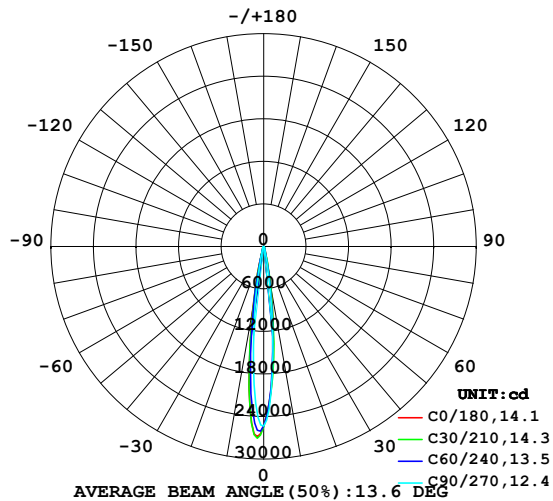
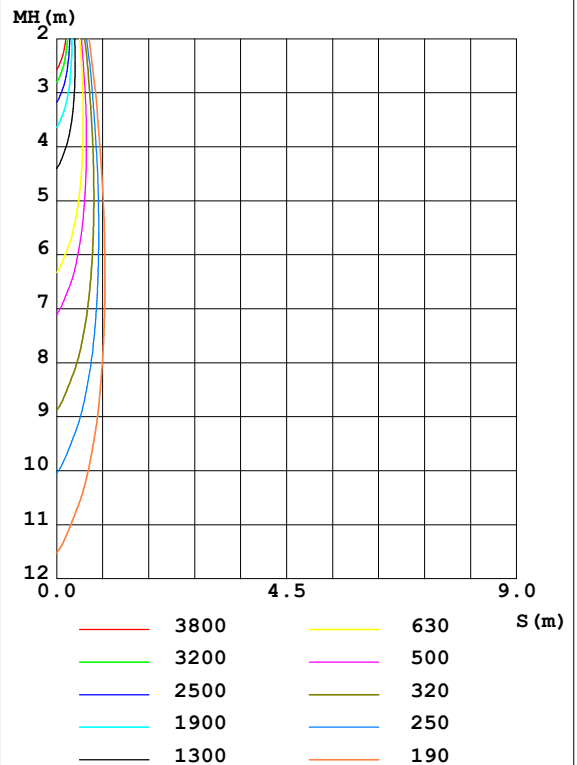
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-27

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:37.302V I:0.7000A P:26.111W PF:1.0000 Freq:49.99Hz Lamp Flux:2719.16x1 lm		
NAME: LYE-8050A	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 230091
MFR.: Cosine	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.93 lm/W			
MODEL	CXB1304-3000K	I _{max} (cd)	27054	S/MH (C0/180)	0.28
NOMINAL POWER (W)	26	LOR (%)	87.3	S/MH (C90/270)	0.23
RATED VOLTAGE (V)	37	TOTAL FLUX (lm)	2374.4	η UP, DN (C0-180)	0.0, 41.0
NOMINAL FLUX (lm)	2719.16	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 46.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	37	η down (%)	87.3	CIBSE SHR MAX	0.20

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


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:

ZONAL FLUX DIAGRAM
ZONAL FLUX DIAGRAM:

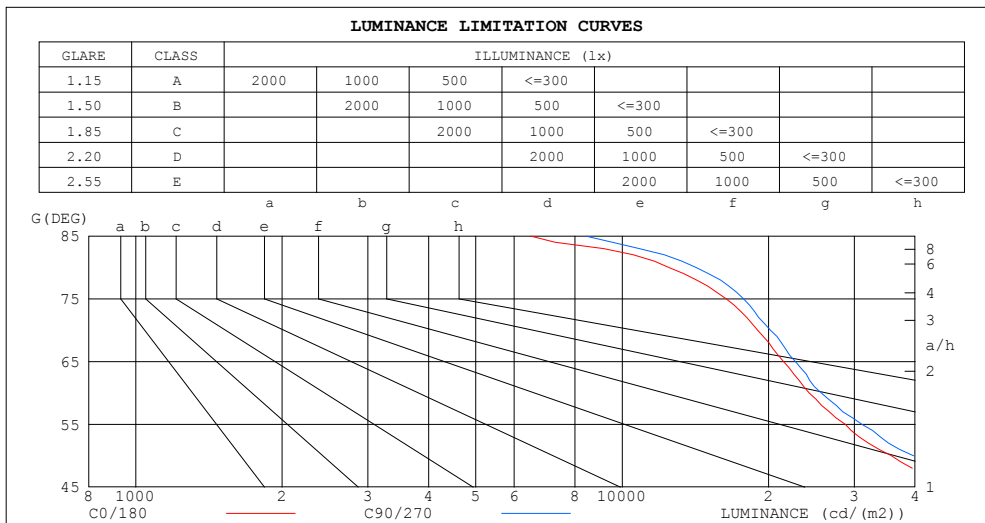
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	544.6	535.7	434.8	612.1	888.0	832.9	552.3	420.7	0- 10	1272	1272	53.6,46.8
20	60.27	60.24	59.02	64.58	73.47	72.04	63.50	58.16	10- 20	532.2	1804	76,66.4
30	28.13	28.25	28.58	30.19	32.40	32.25	30.60	28.83	20- 30	195.9	2000	84.2,73.6
40	15.94	15.90	16.57	17.41	18.12	18.22	17.75	16.67	30- 40	141.1	2141	90.2,78.8
50	9.197	9.210	10.22	10.64	10.93	11.13	10.96	10.07	40- 50	103.6	2245	94.6,82.6
60	4.851	4.894	5.133	5.401	5.637	5.568	5.429	5.120	50- 60	66.38	2311	97.3,85
70	2.599	2.610	2.760	2.930	3.060	2.975	2.915	2.743	60- 70	39.04	2350	99,86.4
80	0.8673	0.8819	0.9862	1.120	1.244	1.036	0.9667	0.8970	70- 80	19.76	2370	99.8,87.2
90	0.0345	0.0341	0.0193	0.0221	0.0409	0.0385	0.0297	0.0205	80- 90	4.211	2374	100,87.3
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
 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:

LUMINANCE LIMITATION CURVES

Test:U:37.302V I:0.7000A P:26.111W PF:1.0000 Freq:49.99Hz Lamp Flux:2719.16x1 lm		
NAME: LYE-8050A	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 230091
MFR.: Cosine	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6493	8436
80	12486	14198
75	16371	17779
70	18996	20176
65	21466	22701
60	24255	25665
55	28759	31131
50	35771	39731
45	44159	46359

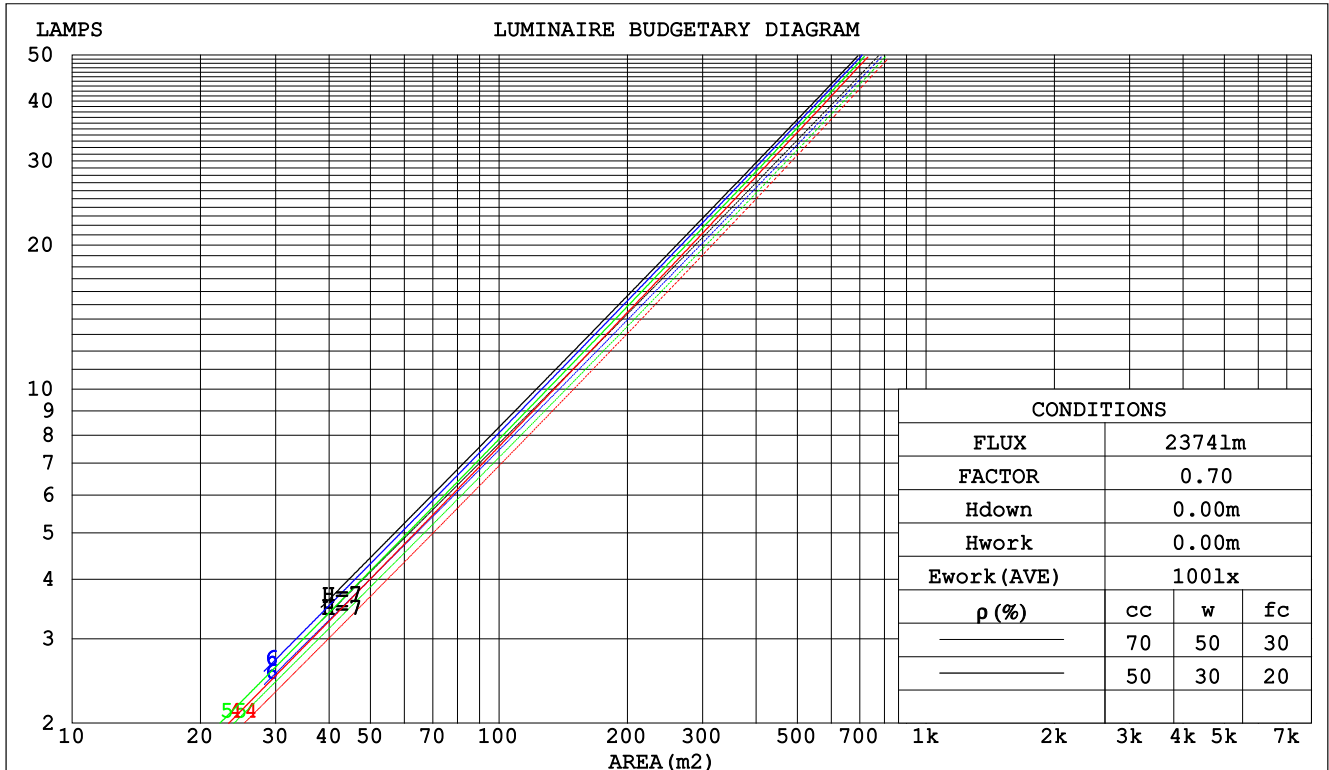
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-27

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:37.302V I:0.7000A P:26.111W PF:1.0000 Freq:49.99Hz Lamp Flux:2719.16x1 lm		
NAME: LYE-8050A	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	1.04	1.04	1.04	1.02	1.02	1.02	.97	.97	.97	.93	.93	.93	.89	.89	.89	.87
1.0	.98	.96	.95	.96	.95	.93	.93	.92	.90	.90	.89	.88	.87	.86	.85	.84
2.0	.93	.90	.88	.92	.89	.87	.89	.87	.85	.87	.85	.83	.84	.83	.82	.80
3.0	.89	.86	.83	.88	.85	.82	.86	.83	.81	.84	.82	.80	.82	.80	.79	.78
4.0	.86	.82	.79	.85	.81	.79	.83	.80	.78	.81	.79	.77	.80	.78	.76	.75
5.0	.83	.79	.76	.82	.78	.76	.80	.77	.75	.79	.77	.75	.78	.76	.74	.73
6.0	.80	.76	.74	.79	.76	.73	.78	.75	.73	.77	.74	.72	.76	.74	.72	.71
7.0	.78	.74	.71	.77	.74	.71	.76	.73	.71	.75	.73	.71	.74	.72	.70	.69
8.0	.76	.72	.70	.75	.72	.69	.74	.71	.69	.74	.71	.69	.73	.71	.69	.68
9.0	.74	.70	.68	.73	.70	.68	.73	.70	.68	.72	.69	.68	.72	.69	.67	.67
10.0	.72	.69	.67	.72	.69	.67	.71	.68	.66	.71	.68	.66	.70	.68	.66	.65



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:37.302V I:0.7000A P:26.111W PF:1.0000 Freq:49.99Hz Lamp Flux:2719.16x1 lm										
NAME: LYE-8050A					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	15.5	16.2	15.7	16.3	16.5	15.7	16.4	15.9	16.5	16.7
3H	16.3	16.9	16.5	17.1	17.3	16.5	17.1	16.7	17.3	17.5
4H	16.6	17.2	16.8	17.4	17.6	16.8	17.4	17.1	17.6	17.8
6H	16.7	17.3	17.0	17.5	17.8	17.0	17.6	17.3	17.8	18.0
8H	16.8	17.3	17.0	17.6	17.8	17.0	17.6	17.3	17.8	18.1
12H	16.7	17.3	17.0	17.5	17.8	17.0	17.6	17.3	17.8	18.1
4H 2H	15.8	16.4	16.1	16.6	16.9	16.0	16.6	16.3	16.8	17.0
3H	16.8	17.3	17.1	17.6	17.8	16.9	17.5	17.3	17.7	18.0
4H	17.2	17.6	17.5	17.9	18.2	17.4	17.8	17.7	18.1	18.4
6H	17.4	17.8	17.8	18.1	18.5	17.6	18.1	18.0	18.4	18.7
8H	17.4	17.8	17.8	18.2	18.5	17.7	18.1	18.1	18.4	18.8
12H	17.4	17.8	17.8	18.1	18.5	17.7	18.1	18.1	18.4	18.8
8H 4H	17.2	17.7	17.6	18.0	18.4	17.4	17.8	17.8	18.2	18.6
6H	17.5	17.9	18.0	18.3	18.7	17.8	18.1	18.2	18.5	18.9
8H	17.6	17.9	18.1	18.3	18.8	17.9	18.2	18.3	18.6	19.0
12H	17.6	17.9	18.1	18.3	18.8	17.9	18.1	18.3	18.6	19.0
12H 4H	17.2	17.6	17.6	18.0	18.3	17.4	17.8	17.8	18.1	18.5
6H	17.5	17.8	18.0	18.3	18.7	17.8	18.1	18.2	18.5	18.9
8H	17.6	17.9	18.1	18.3	18.8	17.8	18.1	18.3	18.5	19.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.5 / - 0.7					+ 0.5 / - 0.6				
1.5H	+ 0.4 / - 0.5					+ 0.4 / - 0.4				
2.0H	+ 1.3 / - 0.8					+ 1.2 / - 0.8				

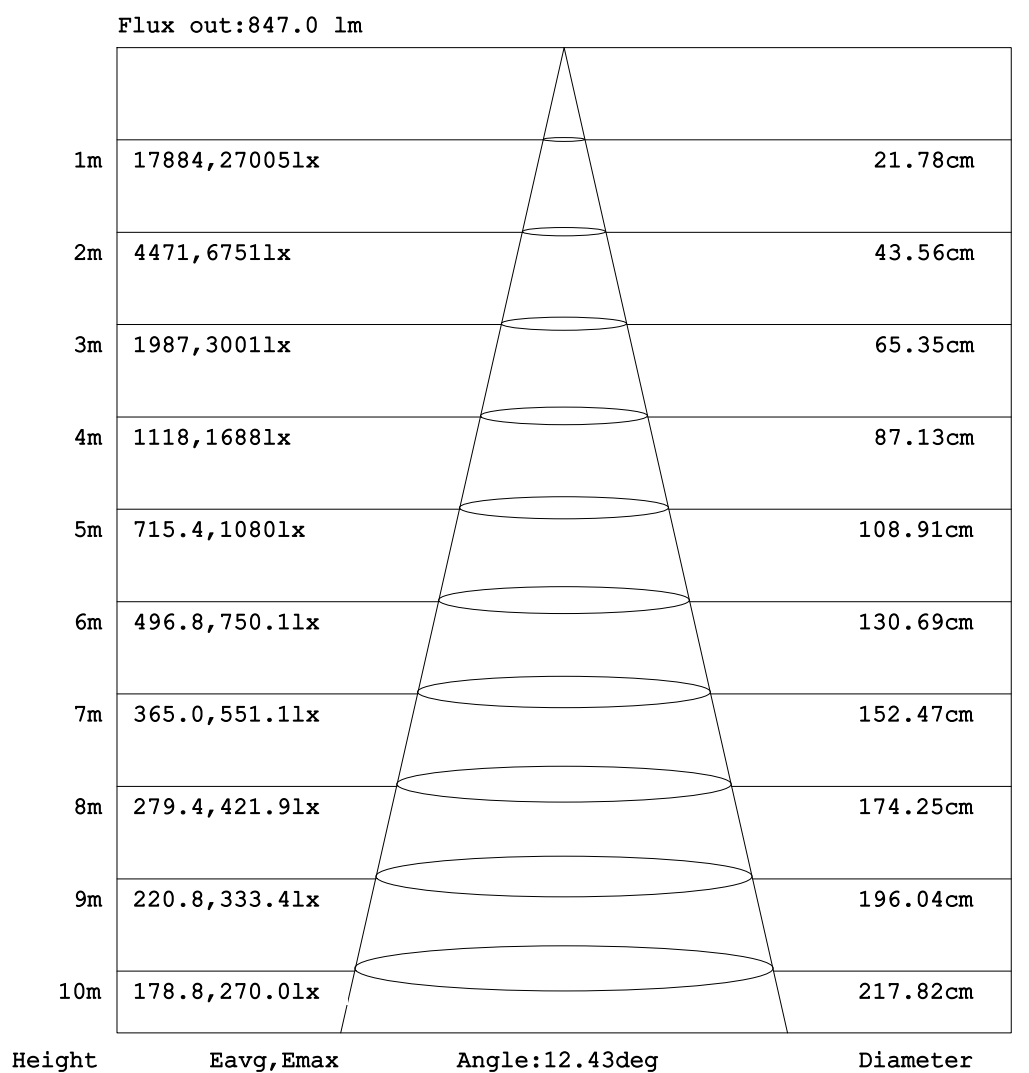
CIE Pub.117, 2719 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.5)
Area: 0.004 m2

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:37.302V I:0.7000A P:26.111W PF:1.0000 Freq:49.99Hz Lamp Flux:2719.16x1 lm		
NAME: LYE-8050A	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.

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:

