



Light Output Ratio:	86.8%	
Luminaire Power:	36.6 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

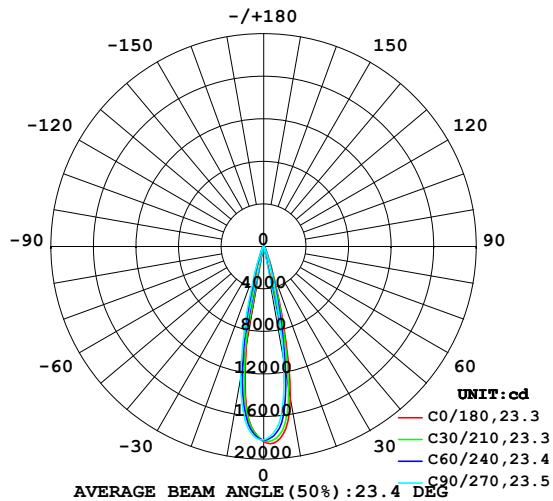
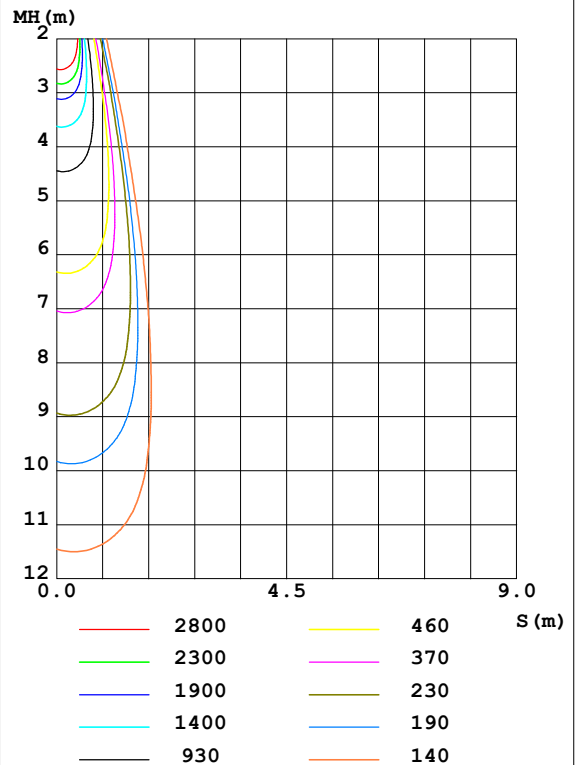
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-06-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:34.860V I:1.0499A P:36.599W PF:1.0000 Freq:49.99Hz Lamp Flux:4260x1 lm		
NAME: LYE-8052A	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 230091
MFR.: Cosine	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.98 lm/W			
MODEL	CXB1512-3000K	I <sub>max</sub> (cd)	18543	S/MH (C0/180)	0.33
NOMINAL POWER (W)	36	LOR (%)	86.8	S/MH (C90/270)	0.39
RATED VOLTAGE (V)	34	TOTAL FLUX (lm)	3695.9	η UP, DN (C0-180)	0.0, 42.5
NOMINAL FLUX (lm)	4260	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 44.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	34	η down (%)	86.8	CIBSE SHR MAX	0.30

**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:**

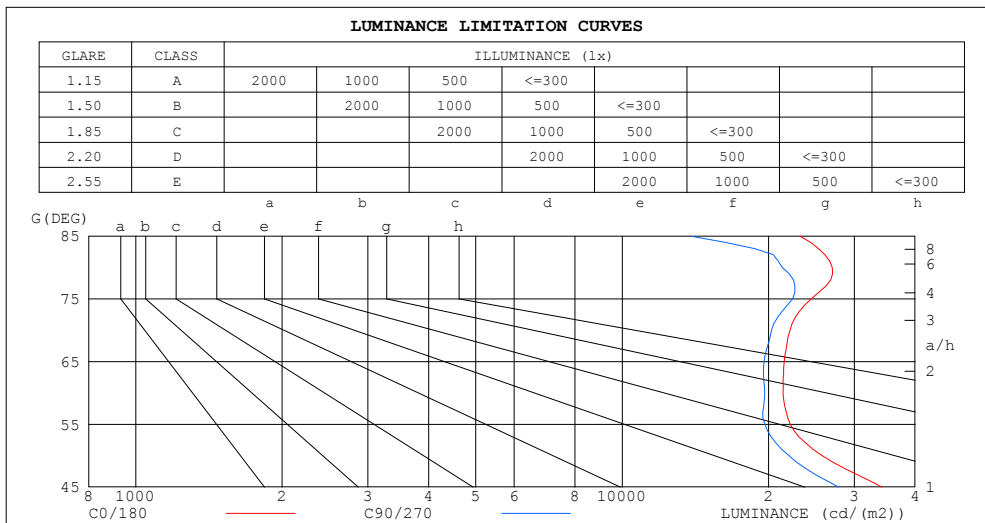
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1446	1271	1079	956.7	946.2	1089	1251	1379	0- 10	1456	1456	39.4,34.2
20	221.7	176.7	145.8	124.1	120.5	153.7	200.7	225.8	10- 20	1429	2885	78.1,67.7
30	47.66	42.54	37.57	34.21	34.11	38.74	44.67	48.29	20- 30	369.3	3255	88.1,76.4
40	21.60	19.79	17.54	16.21	16.20	17.91	20.04	21.48	30- 40	175.4	3430	92.8,80.5
50	9.951	9.355	8.493	8.103	8.277	8.898	9.415	9.937	40- 50	101.0	3531	95.5,82.9
60	6.422	6.256	5.895	5.728	5.868	6.121	6.283	6.421	50- 60	65.34	3597	97.3,84.4
70	4.539	4.385	4.160	4.037	4.107	4.276	4.447	4.515	60- 70	51.50	3648	98.7,85.6
80	2.816	2.520	2.223	2.021	1.983	2.297	2.625	2.768	70- 80	36.63	3685	99.7,86.5
90	0.0249	0.0401	0.0433	0.0361	0.0369	0.0333	0.0746	0.1476	80- 90	11.22	3696	100,86.8
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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:34.860V I:1.0499A P:36.599W PF:1.0000 Freq:49.99Hz Lamp Flux:4260x1 lm		
NAME: LYE-8052A	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 230091
MFR.: Cosine	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23208	13847
80	27032	21338
75	24471	22416
70	22120	20271
65	21535	19569
60	21408	19652
55	22154	19660
50	25803	22021
45	34193	27885

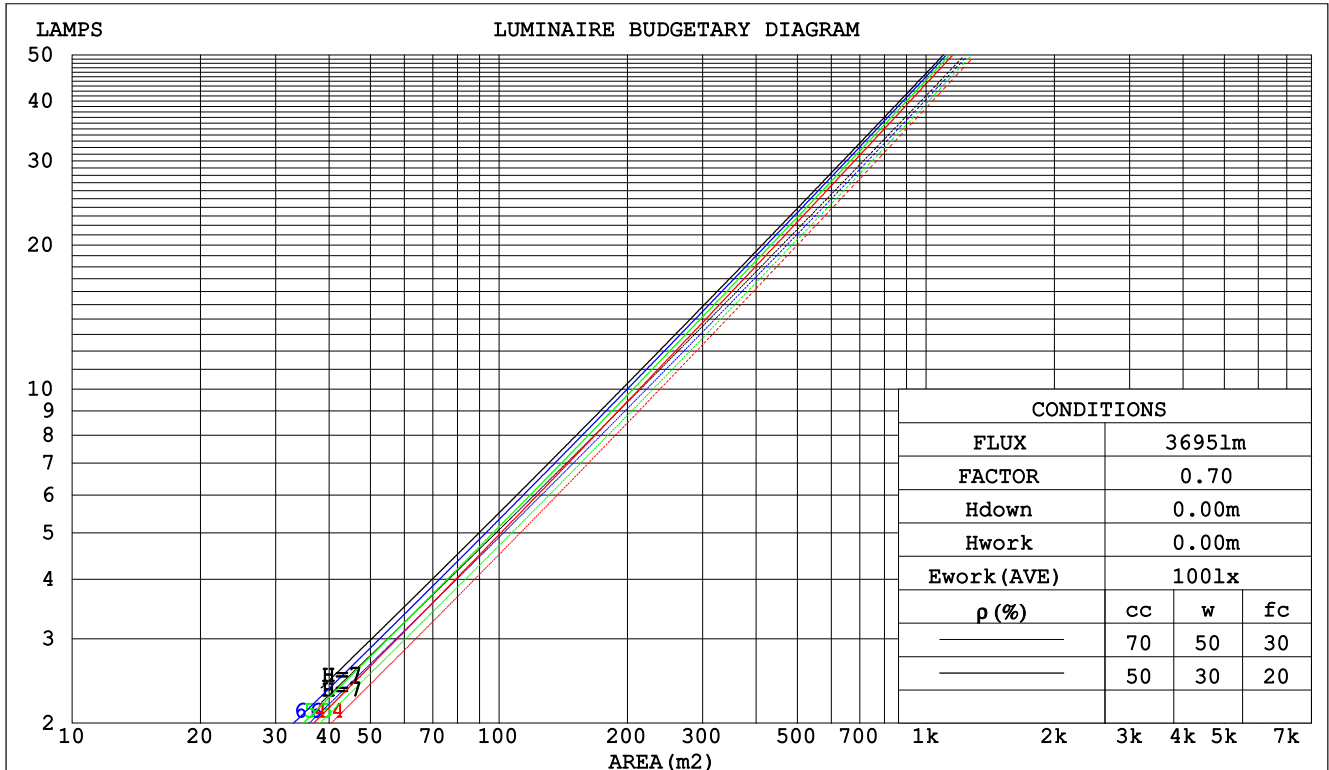
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-06-27

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:34.860V I:1.0499A P:36.599W PF:1.0000 Freq:49.99Hz Lamp Flux:4260x1 lm		
NAME: LYE-8052A	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	1.03	1.03	1.03	1.01	1.01	1.01	.96	.96	.96	.92	.92	.92	.89	.89	.89	.87
1.0	.97	.95	.94	.95	.94	.92	.92	.91	.90	.89	.88	.87	.86	.85	.84	.83
2.0	.92	.89	.87	.91	.88	.86	.88	.86	.84	.86	.84	.82	.83	.82	.81	.79
3.0	.88	.85	.82	.87	.84	.81	.85	.82	.80	.83	.81	.79	.81	.79	.78	.76
4.0	.84	.81	.78	.83	.80	.77	.82	.79	.77	.80	.78	.76	.79	.77	.75	.74
5.0	.81	.77	.75	.80	.77	.74	.79	.76	.74	.78	.75	.73	.76	.74	.72	.71
6.0	.78	.74	.72	.78	.74	.72	.77	.73	.71	.75	.73	.71	.74	.72	.70	.69
7.0	.76	.72	.69	.75	.72	.69	.74	.71	.69	.73	.71	.68	.73	.70	.68	.67
8.0	.74	.70	.67	.73	.70	.67	.72	.69	.67	.72	.69	.67	.71	.68	.66	.65
9.0	.71	.68	.65	.71	.68	.65	.70	.67	.65	.70	.67	.65	.69	.67	.65	.64
10.0	.70	.66	.64	.69	.66	.64	.69	.66	.63	.68	.65	.63	.68	.65	.63	.62



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**

<b>Test:U:34.860V I:1.0499A P:36.599W PF:1.0000 Freq:49.99Hz</b> <b>Lamp Flux:4260x1 lm</b>										
<b>NAME: LYE-8052A</b>					<b>TYPE: LED</b>			<b>WEIGHT:</b>		
<b>SPEC.:</b>					<b>DIM.:</b>			<b>SERIAL No.: 230091</b>		
<b>MFR.: Cosine</b>					<b>SUR.:</b>			<b>Shielding Angle:</b>		
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	12.5	13.2	12.8	13.4	13.5	11.9	12.6	12.1	12.7	12.9
3H	13.9	14.5	14.1	14.7	14.9	13.3	13.9	13.5	14.1	14.3
4H	14.6	15.2	14.9	15.5	15.7	14.0	14.7	14.3	14.9	15.1
6H	15.4	16.0	15.7	16.3	16.5	14.7	15.3	15.0	15.6	15.8
8H	15.7	16.3	16.0	16.5	16.8	15.0	15.5	15.2	15.8	16.0
12H	15.9	16.5	16.2	16.7	17.0	15.0	15.6	15.3	15.8	16.1
4H 2H	13.0	13.6	13.2	13.8	14.0	12.5	13.1	12.7	13.3	13.5
3H	14.6	15.1	14.9	15.4	15.7	14.1	14.6	14.4	14.9	15.2
4H	15.5	16.0	15.9	16.3	16.6	15.1	15.6	15.4	15.8	16.2
6H	16.5	17.0	16.9	17.3	17.6	15.9	16.3	16.3	16.7	17.0
8H	16.9	17.3	17.2	17.6	18.0	16.2	16.6	16.5	16.9	17.3
12H	17.1	17.5	17.5	17.8	18.2	16.3	16.7	16.7	17.0	17.4
8H 4H	15.9	16.3	16.3	16.6	17.0	15.5	15.9	15.9	16.2	16.6
6H	17.0	17.4	17.4	17.8	18.2	16.5	16.8	16.9	17.2	17.6
8H	17.5	17.8	17.9	18.2	18.6	16.8	17.1	17.3	17.5	18.0
12H	17.8	18.0	18.2	18.5	19.0	17.0	17.3	17.5	17.7	18.2
12H 4H	15.9	16.3	16.3	16.7	17.0	15.5	15.9	15.9	16.3	16.7
6H	17.1	17.4	17.5	17.8	18.3	16.6	16.9	17.0	17.3	17.7
8H	17.6	17.8	18.0	18.3	18.8	17.0	17.2	17.4	17.7	18.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.5 / - 0.3					+ 0.4 / - 0.3				
2.0H	+ 0.4 / - 0.3					+ 0.3 / - 0.2				

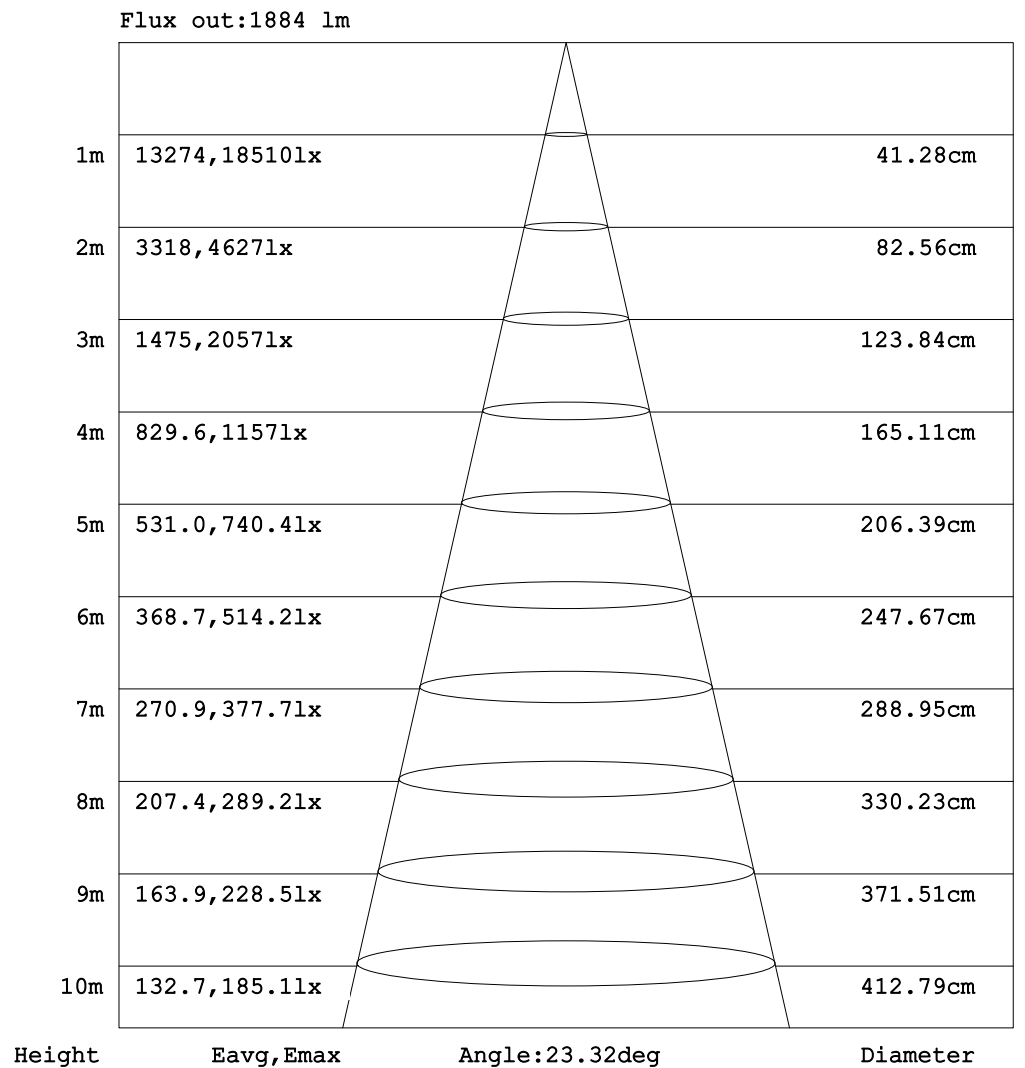
CIE Pub.117, 4260 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.0)  
Area: 0.006 m2

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:34.860V I:1.0499A P:36.599W PF:1.0000 Freq:49.99Hz Lamp Flux:4260x1 lm		
NAME: LYE-8052A	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  
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Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.444  
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Test Distance:10.214m [K=1.0000]  
Remarks:

