



Light Output Ratio:	84.6%	
Luminaire Power:	25.88 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

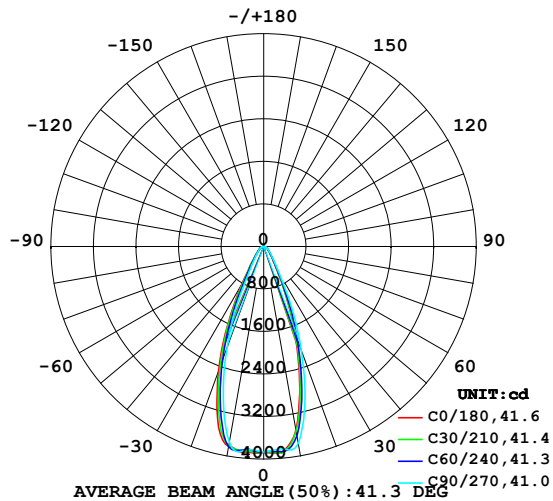
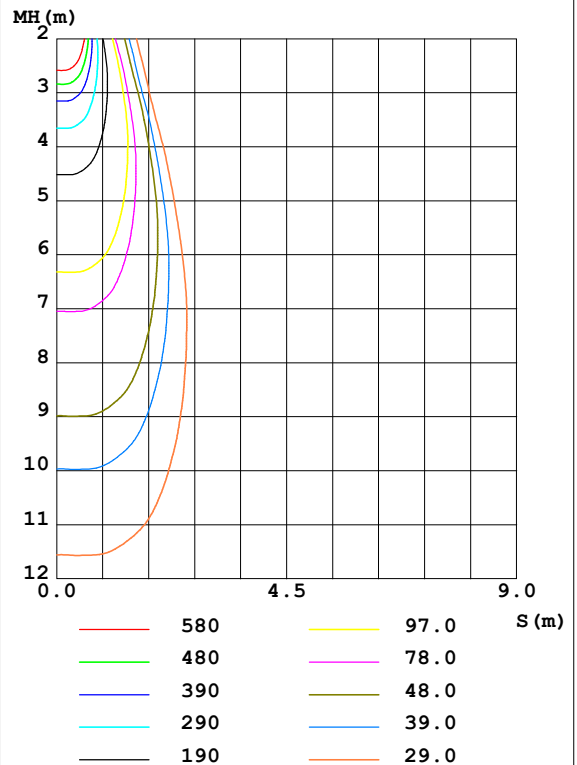
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-06-27

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:36.967V I:0.7000A P:25.877W 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: 88.90 lm/W			
MODEL	CXB1304-3000K	I <sub>max</sub> (cd)	3901	S/MH (C0/180)	0.70
NOMINAL POWER (W)	26	LOR (%)	84.6	S/MH (C90/270)	0.64
RATED VOLTAGE (V)	37	TOTAL FLUX (lm)	2300.5	η UP, DN (C0-180)	0.0, 41.5
NOMINAL FLUX (lm)	2719.16	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 43.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	37	η down (%)	84.6	CIBSE SHR MAX	0.65

**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:**

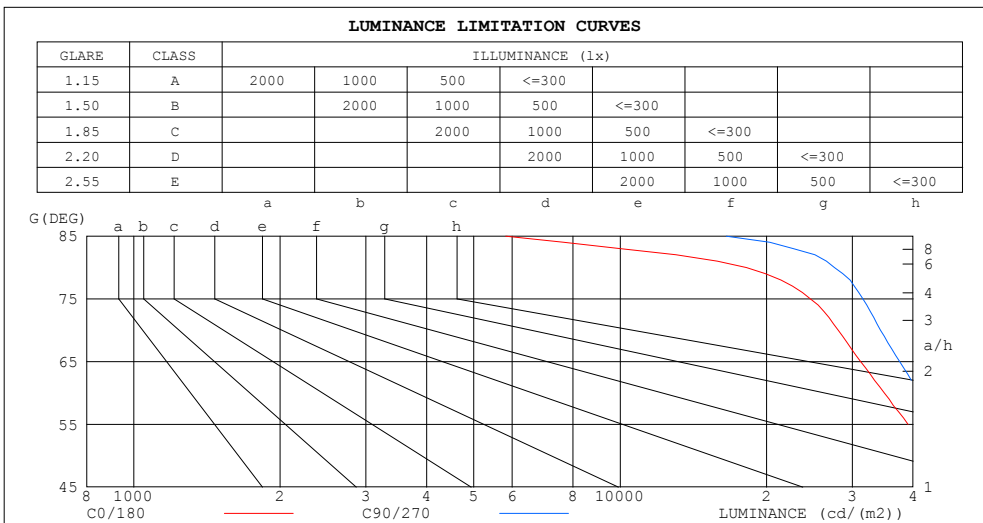
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	3500	3570	3757	3826	3817	3810	3738	3536	0- 10	364.1	364.1	15.8,13.4
20	1709	1800	2065	2347	2487	2333	2022	1757	10- 20	808.1	1172	51,43.1
30	474.5	514.1	577.7	719.9	837.1	722.5	556.6	488.3	20- 30	562.1	1734	75.4,63.8
40	204.6	216.1	238.7	268.7	287.4	266.3	234.7	213.2	30- 40	235.0	1969	85.6,72.4
50	115.6	122.7	133.5	143.3	146.6	141.1	131.3	121.7	40- 50	136.9	2106	91.6,77.5
60	69.81	74.85	82.59	87.64	88.26	85.46	80.05	73.89	50- 60	92.75	2199	95.6,80.9
70	38.42	41.40	46.89	50.77	51.62	48.69	44.66	40.72	60- 70	61.31	2260	98.3,83.1
80	12.62	14.66	19.17	22.90	24.01	18.21	14.93	13.06	70- 80	32.91	2293	99.7,84.3
90	0.3289	0.3048	0.2647	0.7541	1.420	0.6899	0.2968	0.3249	80- 90	7.317	2301	100,84.6
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:cd									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:36.967V I:0.7000A P:25.877W 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	5817	16519
80	18172	27595
75	24618	31542
70	28085	34273
65	31219	37578
60	34904	41296
55	39100	45758
50	44968	51920
45	53218	61710

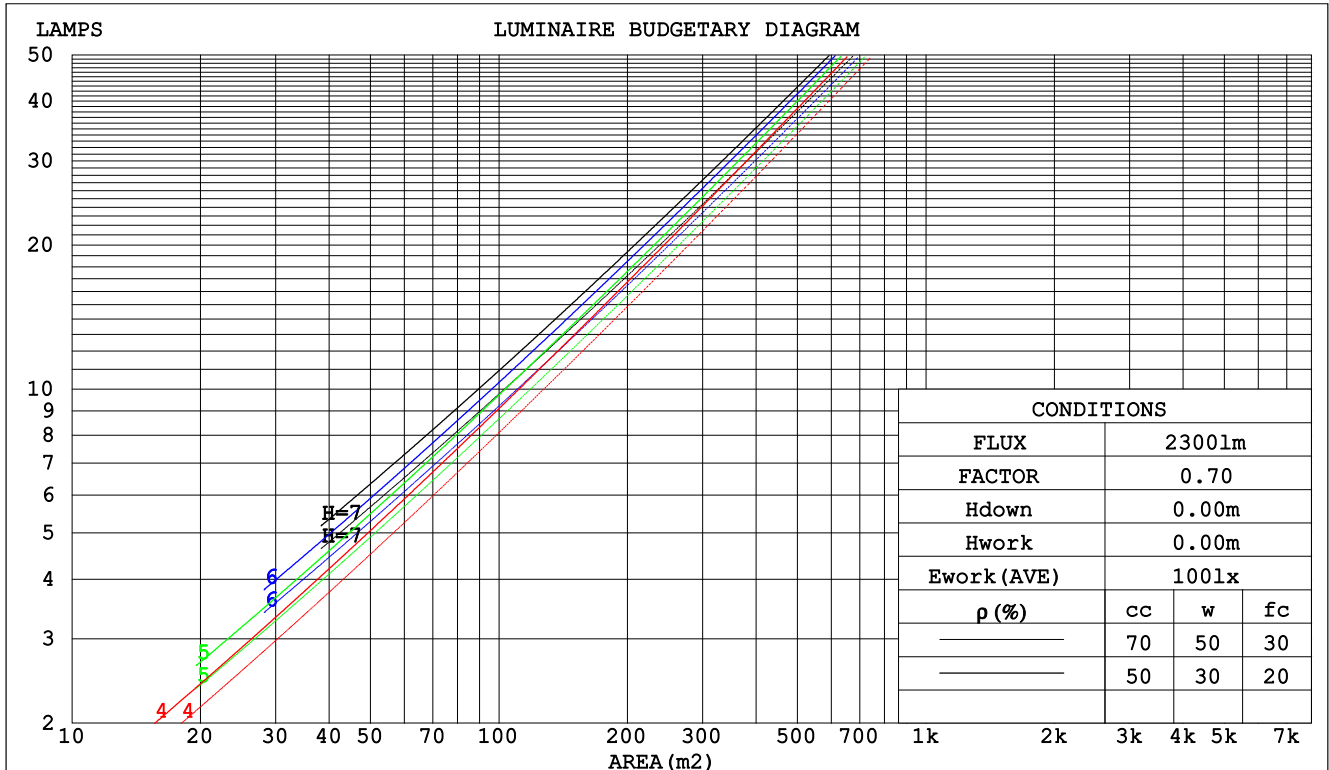
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-06-27

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:36.967V I:0.7000A P:25.877W 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	1.01	1.01	1.01	.98	.98	.98	.94	.94	.94	.90	.90	.90	.86	.86	.86	.85
1.0	.93	.91	.89	.91	.89	.88	.88	.86	.85	.85	.84	.82	.82	.81	.80	.79
2.0	.87	.83	.80	.85	.82	.79	.82	.80	.78	.80	.78	.76	.78	.76	.74	.73
3.0	.81	.77	.73	.80	.76	.73	.77	.74	.71	.75	.73	.70	.74	.71	.69	.68
4.0	.76	.71	.68	.75	.71	.67	.73	.69	.66	.71	.68	.66	.70	.67	.65	.64
5.0	.71	.67	.63	.71	.66	.63	.69	.65	.62	.68	.64	.62	.66	.63	.61	.60
6.0	.67	.63	.59	.67	.62	.59	.66	.61	.58	.64	.61	.58	.63	.60	.58	.56
7.0	.64	.59	.56	.63	.59	.55	.62	.58	.55	.61	.58	.55	.60	.57	.55	.53
8.0	.61	.56	.53	.60	.56	.52	.59	.55	.52	.59	.55	.52	.58	.54	.52	.51
9.0	.58	.53	.50	.58	.53	.50	.57	.53	.50	.56	.52	.49	.55	.52	.49	.48
10.0	.55	.51	.48	.55	.50	.47	.54	.50	.47	.54	.50	.47	.53	.50	.47	.46



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:36.967V I:0.7000A P:25.877W PF:1.0000 Freq:49.99Hz</b> <b>Lamp Flux:2719.16x1 lm</b>										
<b>NAME: LYE-8050A</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	17.8	18.7	18.0	18.9	19.1	18.5	19.4	18.7	19.6	19.7
3H	18.7	19.6	18.9	19.7	20.0	19.4	20.3	19.7	20.5	20.7
4H	19.0	19.9	19.3	20.1	20.3	19.9	20.7	20.1	20.9	21.1
6H	19.2	20.0	19.5	20.2	20.5	20.2	20.9	20.5	21.2	21.4
8H	19.2	20.0	19.5	20.2	20.5	20.2	21.0	20.6	21.2	21.5
12H	19.2	19.9	19.5	20.2	20.5	20.3	21.0	20.6	21.3	21.5
4H 2H	18.2	19.1	18.5	19.3	19.5	18.8	19.6	19.0	19.8	20.0
3H	19.3	20.0	19.6	20.3	20.6	19.9	20.7	20.3	20.9	21.2
4H	19.7	20.4	20.1	20.7	21.0	20.5	21.1	20.8	21.4	21.7
6H	20.0	20.6	20.4	20.9	21.3	20.9	21.4	21.2	21.8	22.1
8H	20.0	20.6	20.4	20.9	21.3	21.0	21.5	21.4	21.9	22.2
12H	20.0	20.5	20.4	20.9	21.3	21.0	21.5	21.4	21.9	22.3
8H 4H	19.9	20.5	20.3	20.8	21.2	20.6	21.1	21.0	21.5	21.8
6H	20.3	20.7	20.7	21.1	21.5	21.1	21.5	21.5	21.9	22.3
8H	20.3	20.7	20.8	21.1	21.6	21.2	21.6	21.7	22.0	22.5
12H	20.3	20.6	20.8	21.1	21.5	21.3	21.6	21.7	22.0	22.5
12H 4H	19.9	20.4	20.3	20.8	21.2	20.5	21.0	21.0	21.4	21.8
6H	20.3	20.7	20.7	21.1	21.5	21.1	21.4	21.5	21.9	22.3
8H	20.3	20.7	20.8	21.1	21.6	21.2	21.6	21.7	22.0	22.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.4 / - 0.6					+ 0.4 / - 0.5				
1.5H	+ 0.4 / - 0.4					+ 0.6 / - 0.3				
2.0H	+ 0.7 / - 0.6					+ 0.7 / - 0.5				

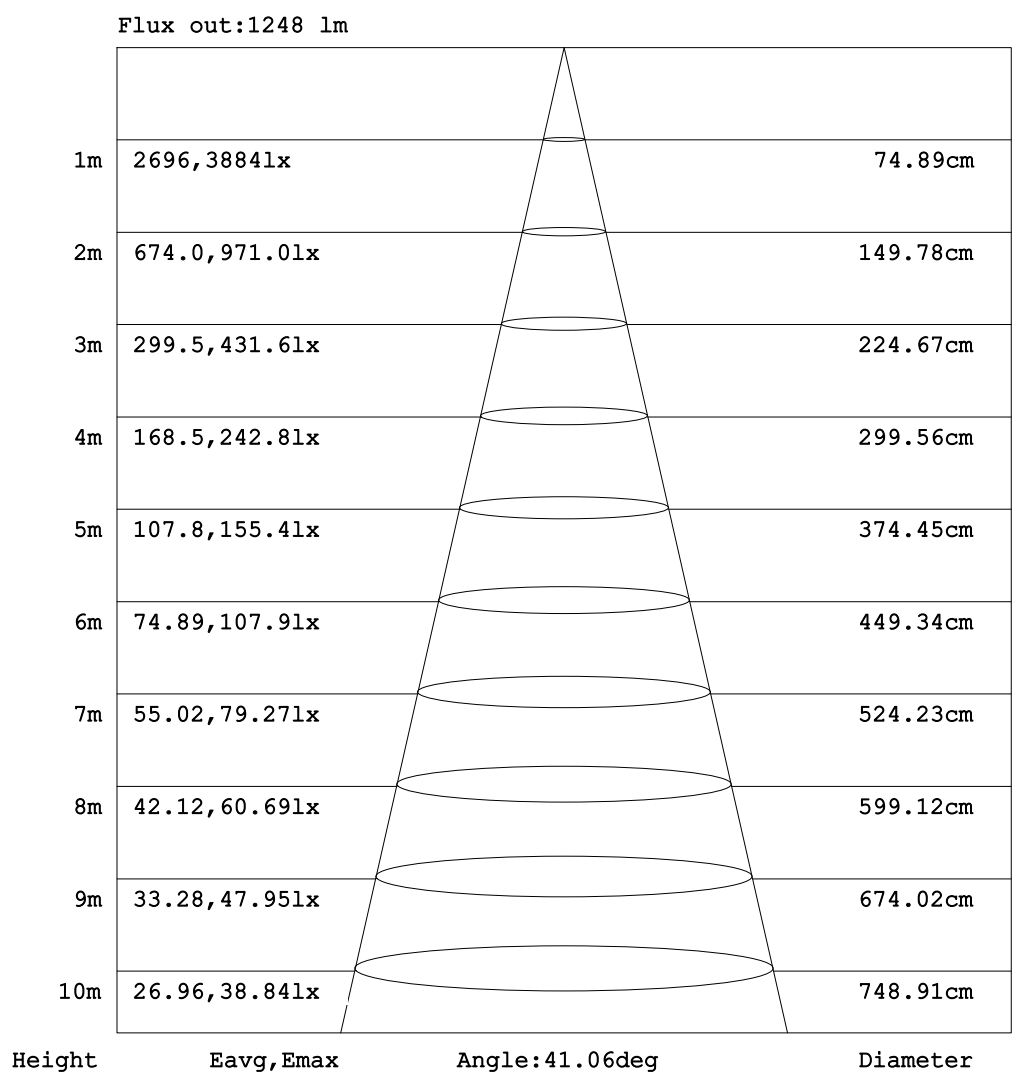
CIE Pub.117, 2719 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.5)  
Area: 0.004 m2

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:36.967V I:0.7000A P:25.877W 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  
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Test Date:2023-06-27

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Remarks:

