



Light Output Ratio:	87.1%	
Luminaire Power:	24.01 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

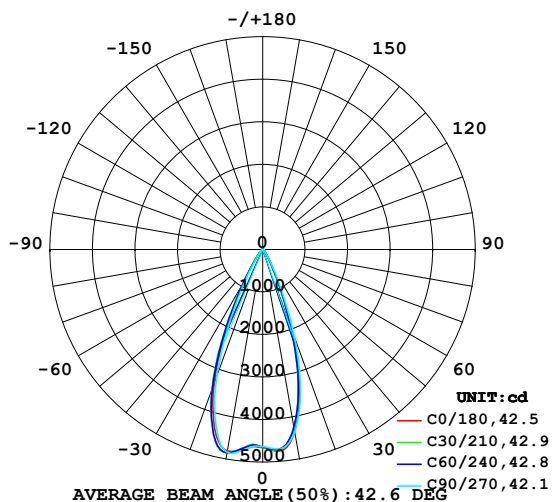
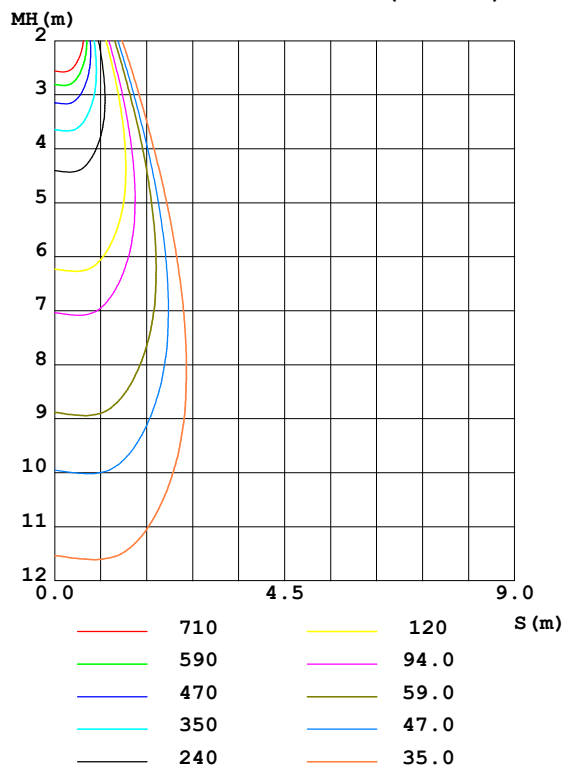
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2023-06-27

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:34.296V I:0.7000A P:24.007W 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: 104.68 lm/W			
MODEL	CXB1512-3000K	I _{max} (cd)	4854	S/MH (C0/180)	0.70
NOMINAL POWER(W)	26	LOR(%)	87.1	S/MH (C90/270)	0.68
RATED VOLTAGE(V)	37	TOTAL FLUX(lm)	2513.0	η UP,DN(C0-180)	0.0,38.4
NOMINAL FLUX(lm)	2884	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	37	η down (%)	87.1	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


C Range: 0 - 360DEG
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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%
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ZONAL FLUX DIAGRAM
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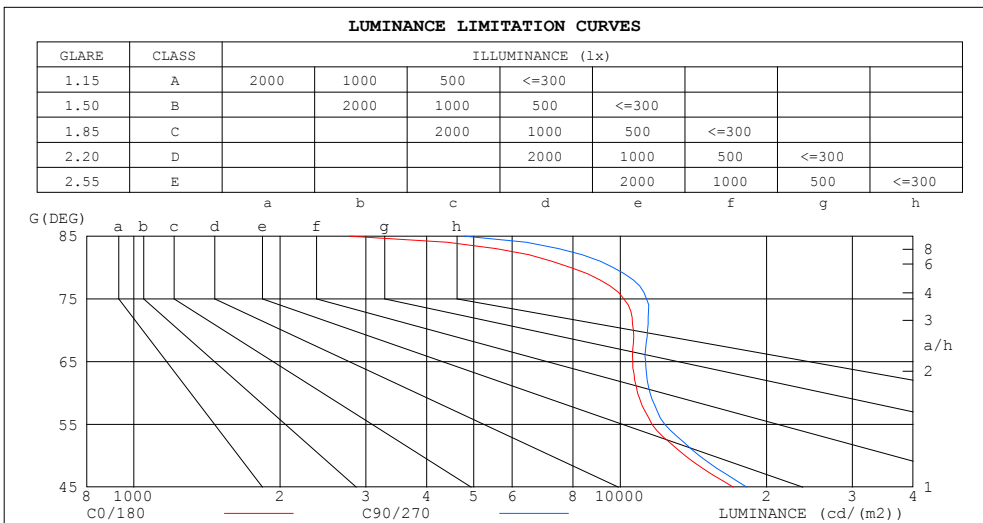
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4334	4247	4353	4594	4808	4853	4838	4595	0- 10	446.3	446.3	17.8,15.5
20	2010	1919	2182	2762	3334	3487	3149	2528	10- 20	1041	1487	59.2,51.6
30	392.2	374.6	449.2	629.4	889.2	947.6	758.7	538.8	20- 30	665.3	2152	85.6,74.6
40	109.4	105.1	117.7	146.0	180.1	194.4	168.4	135.4	30- 40	192.4	2345	93.3,81.3
50	52.48	51.04	56.13	63.62	68.50	70.98	68.97	61.24	40- 50	71.17	2416	96.1,83.8
60	32.60	32.17	34.55	37.41	38.64	39.26	39.45	36.32	50- 60	41.91	2458	97.8,85.2
70	21.85	21.66	23.36	25.48	26.63	26.67	26.13	24.14	60- 70	29.72	2488	99,86.3
80	8.247	7.992	10.08	13.44	15.84	15.99	14.26	11.04	70- 80	19.79	2507	99.8,86.9
90	0.1284	0.1284	0.1284	0.1364	0.3931	1.336	0.4653	0.1765	80- 90	5.717	2513	100,87.1
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		

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 Test Distance:10.214m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:34.296V I:0.7000A P:24.007W 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	2777	4793
80	7916	9674
75	10172	11338
70	10646	11383
65	10609	11275
60	10867	11516
55	11629	12362
50	13608	14553
45	17073	18218

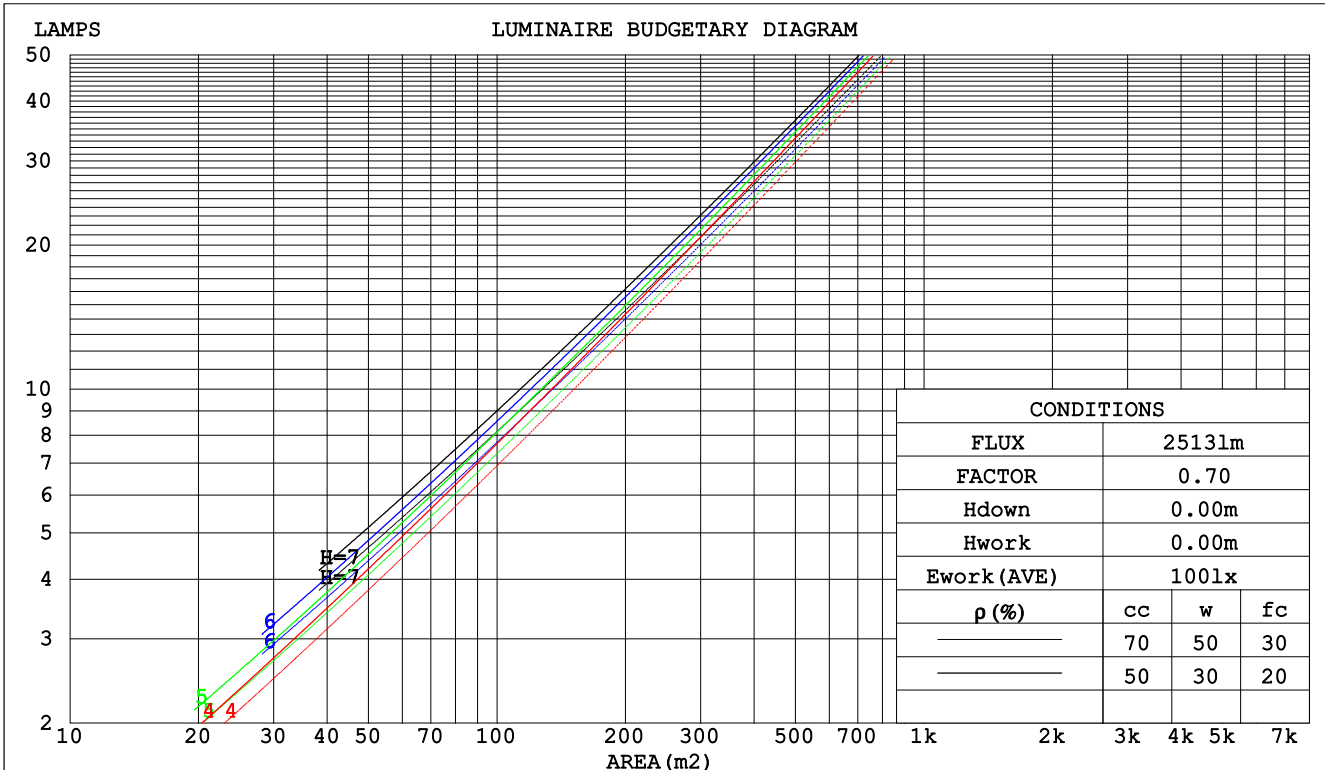
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:34.296V I:0.7000A P:24.007W 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	1.04	1.04	1.04	1.01	1.01	1.01	.97	.97	.97	.93	.93	.93	.89	.89	.89	.87
1.0	.97	.95	.93	.95	.93	.92	.92	.90	.89	.88	.87	.86	.85	.85	.84	.82
2.0	.91	.88	.85	.90	.87	.84	.87	.84	.82	.84	.82	.81	.82	.80	.79	.77
3.0	.86	.82	.79	.85	.81	.78	.82	.79	.77	.80	.78	.76	.78	.76	.75	.73
4.0	.81	.77	.74	.80	.76	.73	.78	.75	.72	.77	.74	.71	.75	.73	.71	.69
5.0	.77	.73	.69	.76	.72	.69	.75	.71	.68	.73	.70	.68	.72	.69	.67	.66
6.0	.73	.69	.65	.73	.68	.65	.71	.68	.65	.70	.67	.64	.69	.66	.64	.63
7.0	.70	.65	.62	.69	.65	.62	.68	.64	.62	.67	.64	.61	.66	.63	.61	.60
8.0	.67	.62	.59	.66	.62	.59	.65	.62	.59	.65	.61	.59	.64	.61	.58	.57
9.0	.64	.59	.56	.64	.59	.56	.63	.59	.56	.62	.59	.56	.61	.58	.56	.55
10.0	.61	.57	.54	.61	.57	.54	.60	.56	.54	.60	.56	.54	.59	.56	.54	.53



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
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 Remarks:

UGR(Unified Glare Rating) Table

Test:U:34.296V I:0.7000A P:24.007W 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	10.9	11.8	11.1	11.9	12.1	11.3	12.1	11.5	12.3	12.5
3H	12.0	12.8	12.2	13.0	13.2	12.4	13.1	12.6	13.3	13.5
4H	12.5	13.2	12.8	13.5	13.7	12.9	13.6	13.2	13.9	14.1
6H	12.8	13.5	13.1	13.8	14.0	13.3	14.0	13.6	14.2	14.5
8H	12.9	13.6	13.2	13.8	14.1	13.4	14.1	13.7	14.3	14.6
12H	12.9	13.5	13.2	13.8	14.1	13.4	14.1	13.7	14.3	14.6
4H 2H	11.3	12.0	11.6	12.2	12.5	11.6	12.3	11.9	12.6	12.8
3H	12.6	13.2	12.9	13.5	13.8	12.9	13.5	13.2	13.8	14.1
4H	13.2	13.8	13.6	14.1	14.4	13.6	14.2	13.9	14.5	14.8
6H	13.7	14.2	14.0	14.5	14.9	14.1	14.6	14.5	14.9	15.3
8H	13.7	14.2	14.1	14.6	14.9	14.2	14.7	14.6	15.0	15.4
12H	13.7	14.2	14.1	14.5	14.9	14.2	14.7	14.6	15.0	15.4
8H 4H	13.5	13.9	13.8	14.3	14.7	13.8	14.2	14.2	14.6	15.0
6H	14.0	14.4	14.4	14.7	15.2	14.3	14.7	14.8	15.1	15.6
8H	14.1	14.4	14.5	14.8	15.3	14.5	14.9	15.0	15.3	15.7
12H	14.1	14.4	14.5	14.8	15.3	14.5	14.8	15.0	15.3	15.8
12H 4H	13.4	13.9	13.9	14.3	14.6	13.7	14.2	14.2	14.6	14.9
6H	14.0	14.3	14.4	14.7	15.2	14.3	14.7	14.8	15.1	15.6
8H	14.1	14.4	14.5	14.8	15.3	14.5	14.8	15.0	15.3	15.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.5 / - 0.5					+ 0.6 / - 0.5				
1.5H	+ 1.0 / - 0.4					+ 1.1 / - 0.4				
2.0H	+ 0.7 / - 0.4					+ 0.7 / - 0.3				

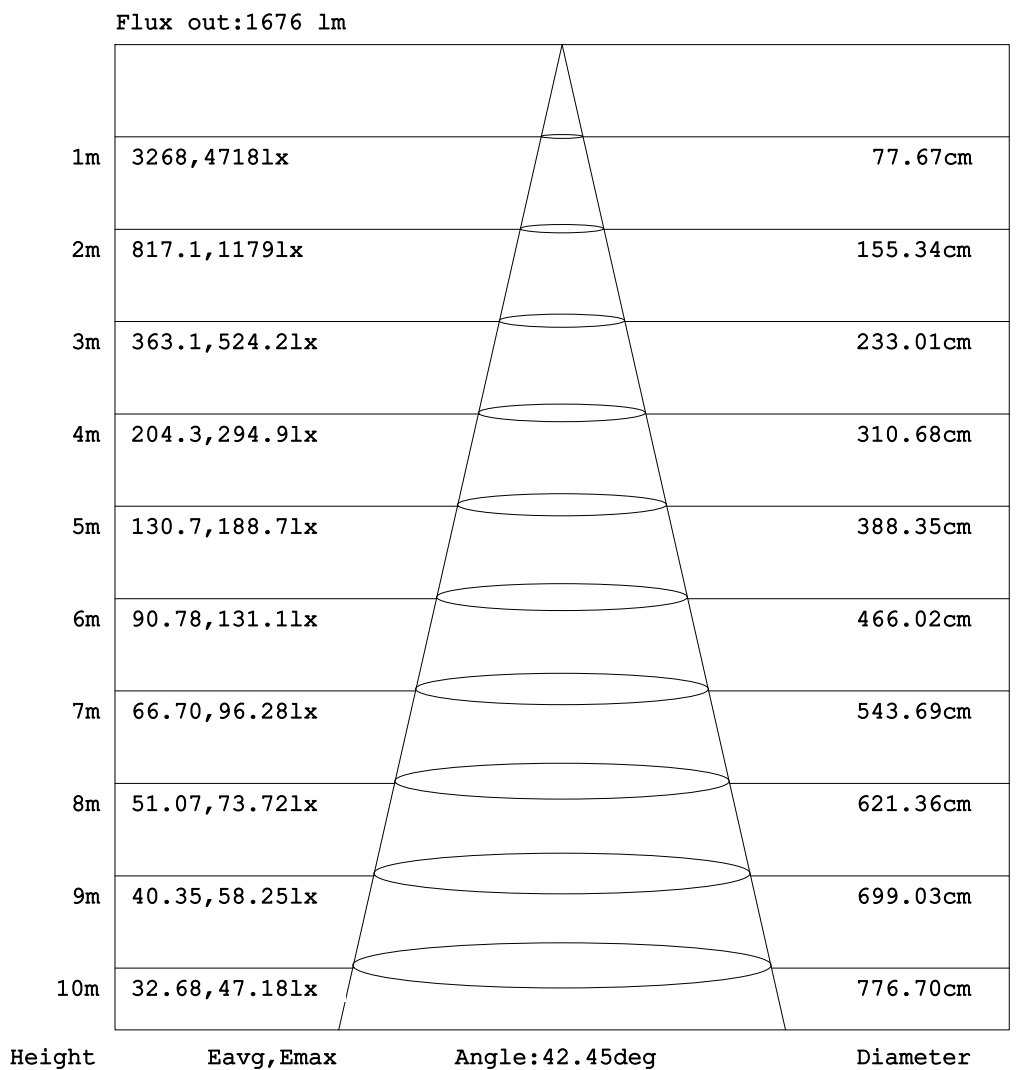
CIE Pub.117, 2884 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.7)
Area: 0.006 m2

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

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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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