



Light Output Ratio:	87.8%	
Luminaire Power:	36.31 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

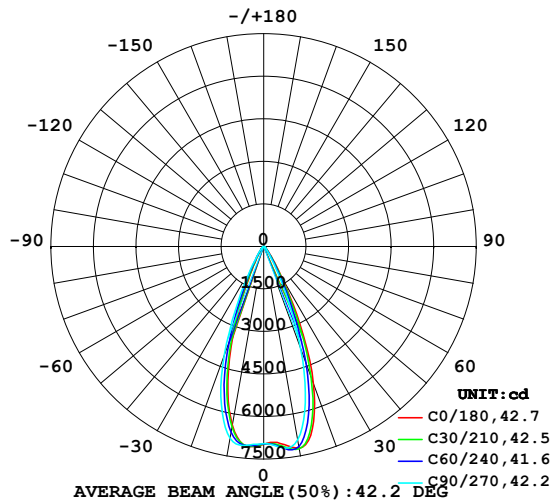
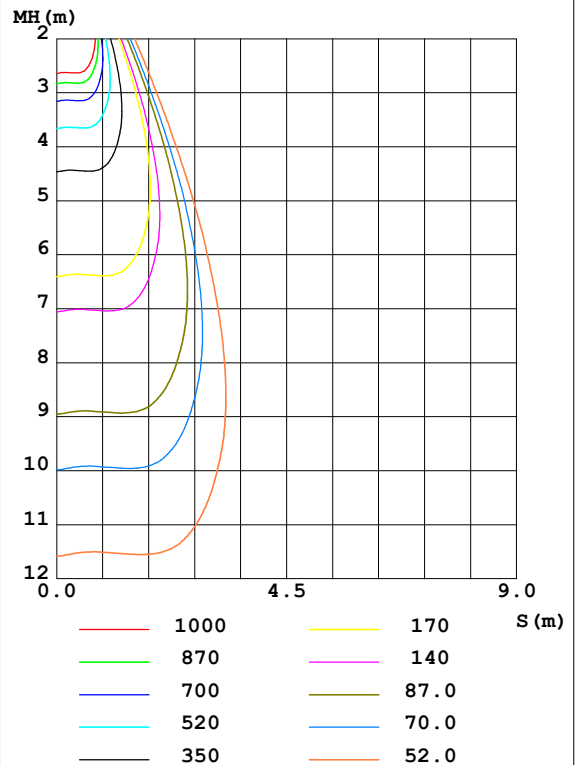
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-06-27

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:34.580V I:1.0499A P:36.306W 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: 103.06 lm/W			
MODEL	CXB1512-3000K	I _{max} (cd)	7249	S/MH (C0/180)	0.57
NOMINAL POWER (W)	36	LOR (%)	87.8	S/MH (C90/270)	0.65
RATED VOLTAGE (V)	34	TOTAL FLUX (lm)	3741.7	η UP, DN (C0-180)	0.0, 44.9
NOMINAL FLUX (lm)	4260	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 43.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	34	η down (%)	87.8	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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Remarks:

ZONAL FLUX DIAGRAM
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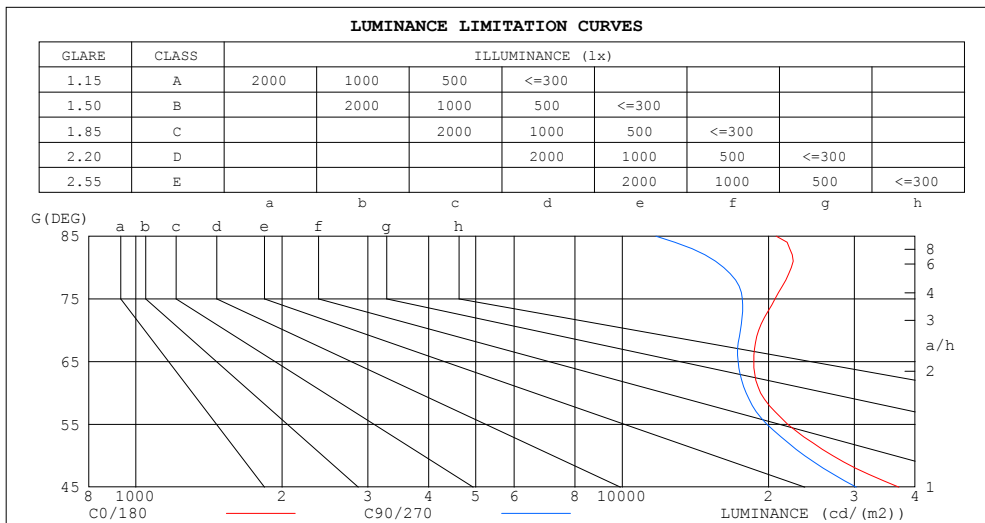
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	7217	7201	6928	6549	6397	6549	6865	7087	0- 10	668.0	668.0	17.9,15.7
20	5141	4630	3821	3154	2919	3333	4059	4809	10- 20	1554	2222	59.4,52.2
30	1371	1128	803.1	628.0	558.2	690.0	908.7	1237	20- 30	987.7	3210	85.8,75.3
40	282.6	252.6	202.5	169.6	152.4	174.4	210.8	261.4	30- 40	283.4	3493	93.4,82
50	104.6	101.1	91.55	80.62	74.27	81.30	92.54	101.5	40- 50	105.1	3598	96.2,84.5
60	57.80	57.21	53.99	49.55	47.04	50.11	54.92	57.62	50- 60	61.84	3660	97.8,85.9
70	39.16	38.32	35.89	33.32	32.14	34.28	37.19	39.19	60- 70	43.89	3704	99,86.9
80	23.19	20.82	16.87	13.59	12.39	15.30	19.23	22.39	70- 80	29.33	3733	99.8,87.6
90	0.7942	0.5014	0.2326	0.2567	0.3369	0.3048	0.3851	1.099	80- 90	8.350	3742	100,87.8
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:cd									UNIT:lm		

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 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:34.580V I:1.0499A P:36.306W 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	20746	11729
80	22257	16189
75	20604	17669
70	19085	17491
65	18655	17310
60	19268	17995
55	21906	19853
50	27112	23737
45	37058	30304

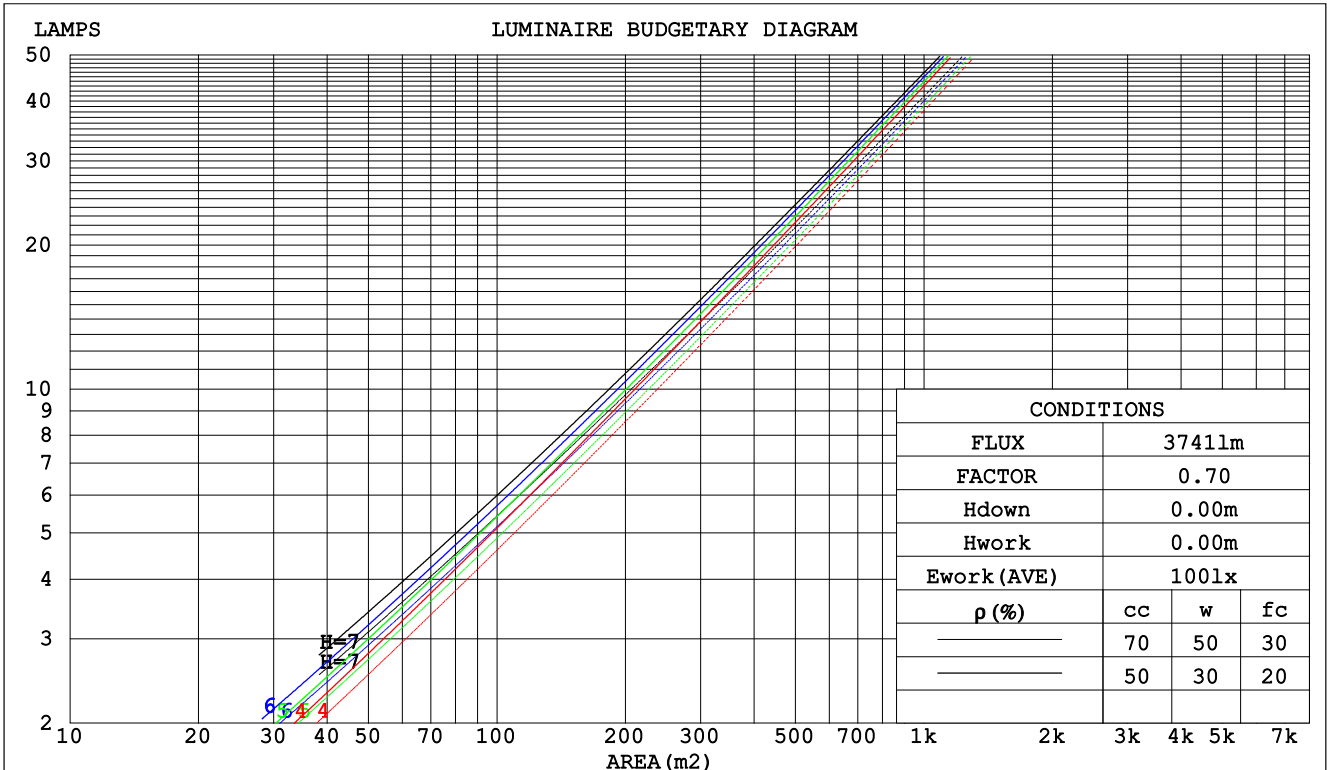
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 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
 Test Distance:10.214m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:34.580V I:1.0499A P:36.306W 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
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.05	1.05	1.05	1.02	1.02	1.02	.98	.98	.98	.93	.93	.93	.90	.90	.90	.88
1.0	.98	.96	.94	.96	.94	.92	.92	.91	.90	.89	.88	.87	.86	.85	.84	.83
2.0	.92	.89	.86	.90	.87	.85	.87	.85	.83	.85	.83	.81	.82	.81	.80	.78
3.0	.86	.83	.79	.85	.82	.79	.83	.80	.78	.81	.78	.76	.79	.77	.75	.74
4.0	.82	.78	.74	.81	.77	.74	.79	.76	.73	.77	.74	.72	.76	.73	.71	.70
5.0	.78	.73	.70	.77	.73	.70	.75	.72	.69	.74	.71	.68	.73	.70	.68	.67
6.0	.74	.69	.66	.73	.69	.66	.72	.68	.65	.71	.67	.65	.70	.67	.65	.63
7.0	.71	.66	.63	.70	.66	.63	.69	.65	.62	.68	.64	.62	.67	.64	.62	.60
8.0	.67	.63	.60	.67	.63	.60	.66	.62	.59	.65	.62	.59	.64	.61	.59	.58
9.0	.65	.60	.57	.64	.60	.57	.63	.59	.57	.63	.59	.57	.62	.59	.56	.55
10.0	.62	.58	.55	.62	.57	.55	.61	.57	.54	.60	.57	.54	.60	.56	.54	.53



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:34.580V I:1.0499A P:36.306W 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:		
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	14.2	15.0	14.4	15.2	15.3	13.0	13.8	13.2	14.0	14.2
3H	14.8	15.5	15.0	15.7	15.9	13.8	14.5	14.0	14.7	14.9
4H	15.2	15.9	15.4	16.1	16.3	14.2	14.9	14.5	15.1	15.3
6H	15.6	16.3	15.9	16.5	16.8	14.5	15.2	14.8	15.5	15.7
8H	15.8	16.5	16.1	16.7	17.0	14.7	15.3	15.0	15.6	15.8
12H	15.9	16.6	16.2	16.8	17.1	14.7	15.3	15.0	15.6	15.9
4H 2H	14.3	15.0	14.6	15.2	15.4	13.2	14.0	13.5	14.2	14.4
3H	15.1	15.7	15.4	16.0	16.3	14.2	14.9	14.6	15.1	15.4
4H	15.7	16.3	16.0	16.6	16.9	14.8	15.4	15.2	15.7	16.0
6H	16.3	16.8	16.7	17.1	17.5	15.4	15.9	15.7	16.2	16.5
8H	16.6	17.0	16.9	17.4	17.8	15.5	16.0	15.9	16.3	16.7
12H	16.7	17.2	17.2	17.6	17.9	15.6	16.0	16.0	16.4	16.8
8H 4H	15.9	16.3	16.3	16.7	17.1	15.1	15.6	15.5	15.9	16.3
6H	16.6	17.0	17.1	17.4	17.8	15.8	16.2	16.2	16.6	17.0
8H	17.0	17.3	17.4	17.8	18.2	16.0	16.4	16.5	16.8	17.2
12H	17.3	17.6	17.7	18.0	18.5	16.2	16.5	16.6	16.9	17.4
12H 4H	15.9	16.3	16.3	16.7	17.1	15.1	15.6	15.5	15.9	16.3
6H	16.7	17.0	17.1	17.4	17.9	15.9	16.2	16.3	16.6	17.1
8H	17.1	17.4	17.5	17.8	18.3	16.1	16.4	16.6	16.9	17.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.9 / - 0.8					+ 0.5 / - 0.6				
1.5H	+ 1.8 / - 0.6					+ 0.9 / - 0.6				
2.0H	+ 0.7 / - 0.4					+ 0.6 / - 0.5				

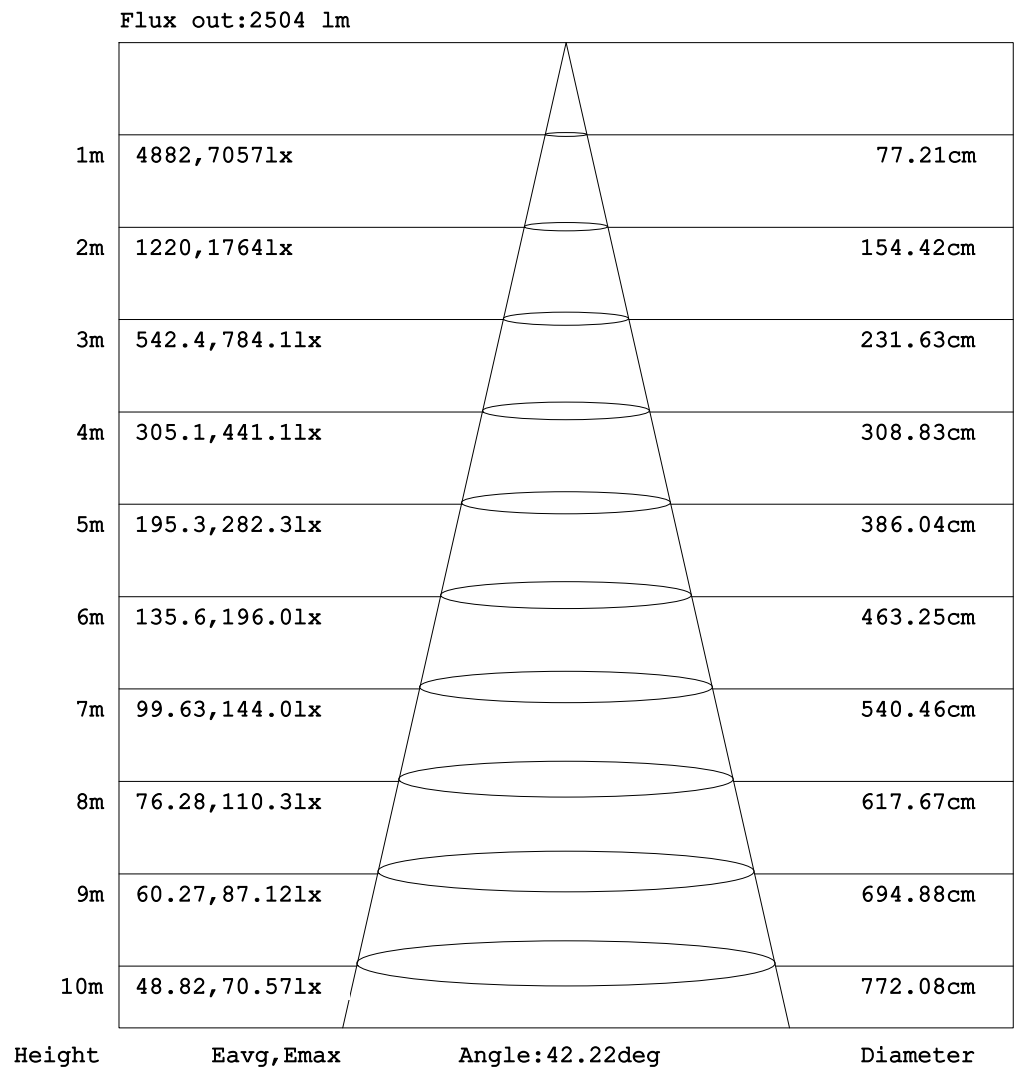
CIE Pub.117, 4260 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.0)
Area: 0.006 m2

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:34.580V I:1.0499A P:36.306W 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.

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γ Range: 0 - 90DEG
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