



Light Output Ratio:	89.6%	
Luminaire Power:	25.89 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.70	fine grid method.

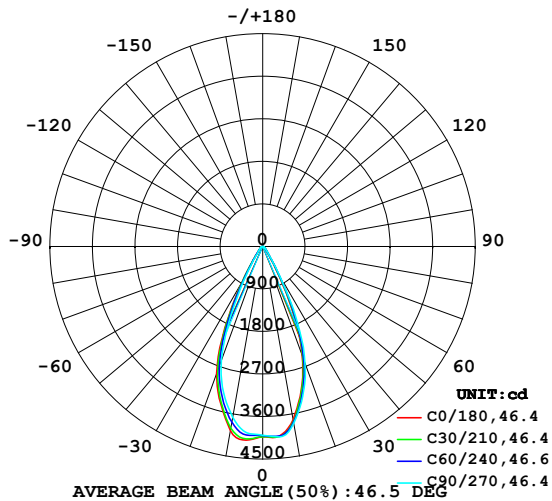
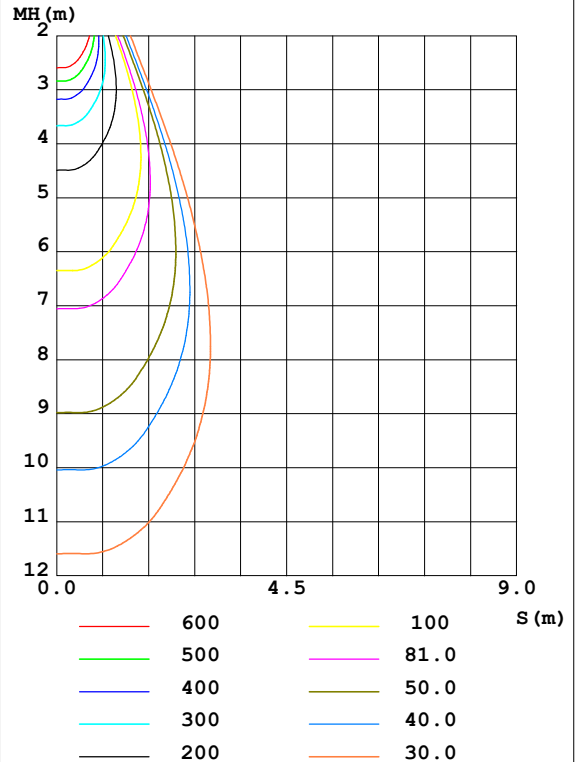
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-06-27

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:36.992V I:0.7000A P:25.894W 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: 94.05 lm/W
MODEL	CXB1304-3000K	I _{max} (cd)	4113	S/MH (C0/180)	0.72	
NOMINAL POWER (W)	26	LOR (%)	89.6	S/MH (C90/270)	0.69	
RATED VOLTAGE (V)	37	TOTAL FLUX (lm)	2435.4	η UP, DN (C0-180)	0.0, 44.6	
NOMINAL FLUX (lm)	2719.16	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 45.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	37	η down (%)	89.6	CIBSE SHR MAX	0.70	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


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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
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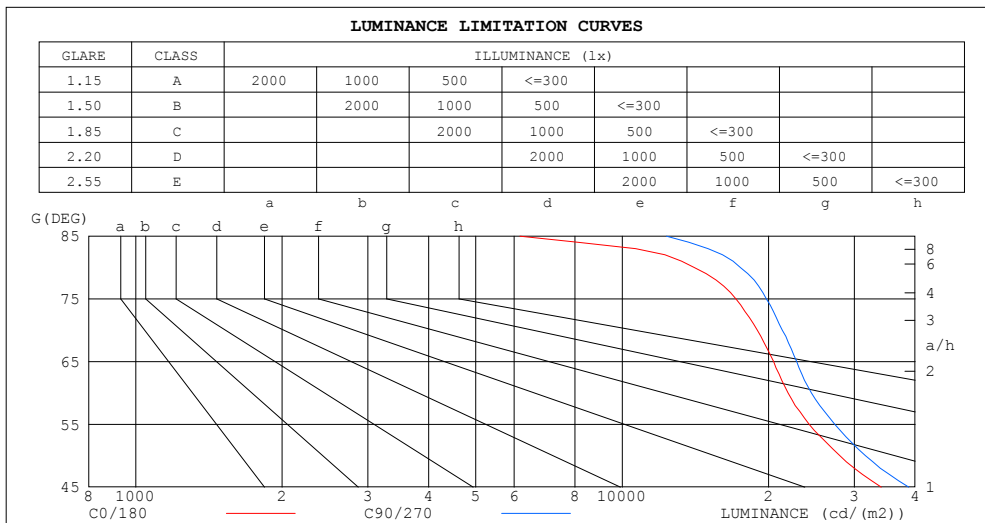
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3720	3768	3797	3835	3954	3839	3666	3633	0- 10	376.6	376.6	15.5,13.8
20	2441	2516	2631	2756	2853	2734	2556	2457	10- 20	902.5	1279	52.5,47
30	607.6	679.9	736.6	792.9	885.3	848.5	697.1	596.7	20- 30	741.4	2020	83,74.3
40	142.2	151.8	165.6	172.6	179.9	176.7	160.5	142.3	30- 40	212.3	2233	91.7,82.1
50	72.10	74.46	81.32	83.92	82.52	80.69	80.80	74.82	40- 50	85.09	2318	95.2,85.2
60	43.84	45.37	49.02	50.59	49.25	47.90	48.40	45.63	50- 60	54.82	2373	97.4,87.3
70	25.95	27.11	29.21	30.59	29.98	28.71	28.42	26.91	60- 70	37.17	2410	98.9,88.6
80	9.772	10.64	12.15	13.33	13.47	10.70	10.30	9.325	70- 80	20.78	2431	99.8,89.4
90	0.1845	0.1805	0.1765	0.2166	0.3690	0.4894	0.2888	0.2166	80- 90	4.816	2435	100,89.6
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		

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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:

LUMINANCE LIMITATION CURVES

Test:U:36.992V I:0.7000A P:25.894W 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	6164	12340
80	14069	17490
75	17128	19787
70	18971	21351
65	20494	22837
60	21920	24510
55	24242	27385
50	28043	31629
45	34068	38820

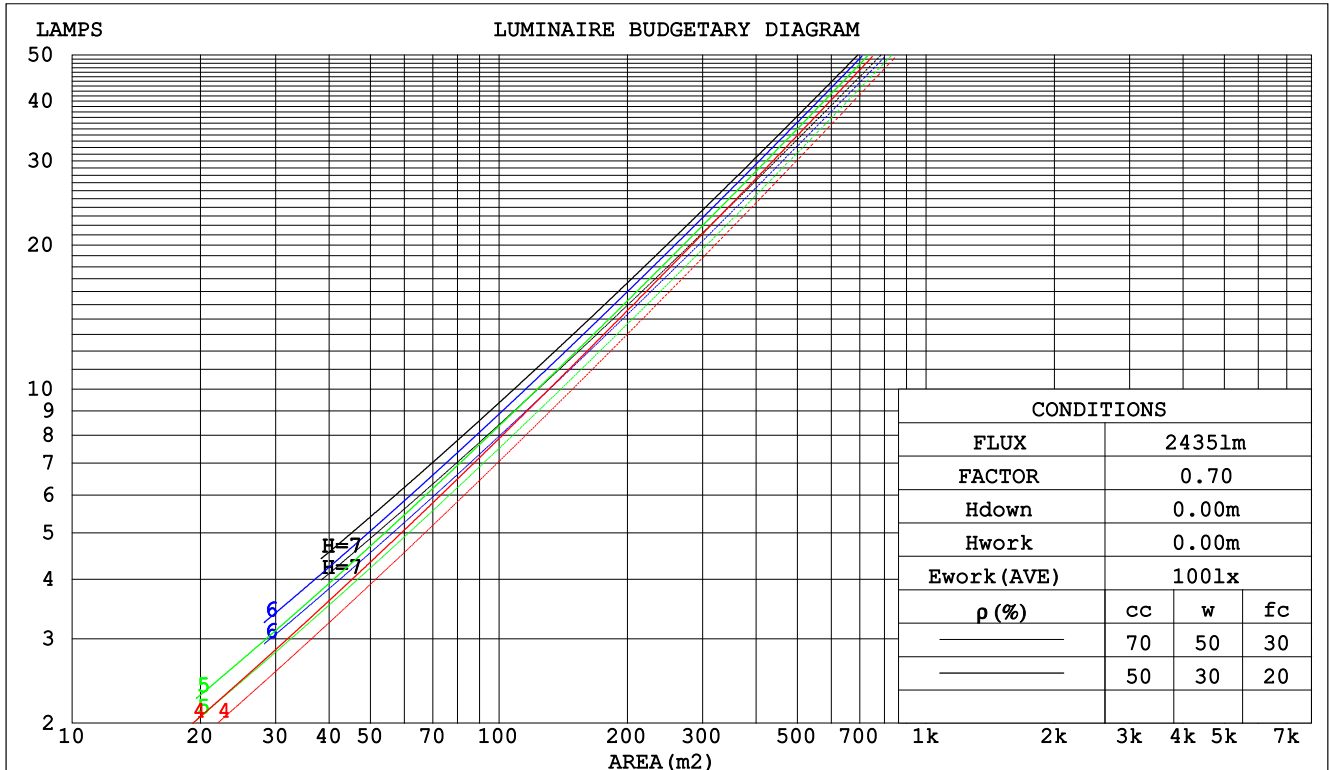
C Range: 0 - 360DEG
 C Interval: 30.0DEG
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 Temperature:25.3DEG
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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:36.992V I:0.7000A P:25.894W 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	1.07	1.07	1.07	1.04	1.04	1.04	.00	.00	.00	.95	.95	.95	.91	.91	.91	.90
1.0	.99	.97	.95	.97	.95	.94	.94	.92	.91	.90	.89	.88	.87	.86	.86	.84
2.0	.93	.89	.87	.91	.88	.86	.88	.86	.84	.86	.84	.82	.83	.82	.80	.79
3.0	.87	.83	.80	.86	.82	.79	.84	.80	.78	.82	.79	.77	.80	.77	.75	.74
4.0	.82	.78	.74	.81	.77	.74	.79	.76	.73	.78	.74	.72	.76	.73	.71	.70
5.0	.78	.73	.69	.77	.72	.69	.75	.71	.68	.74	.70	.68	.72	.70	.67	.66
6.0	.74	.69	.65	.73	.68	.65	.72	.68	.64	.70	.67	.64	.69	.66	.64	.62
7.0	.70	.65	.62	.69	.65	.61	.68	.64	.61	.67	.64	.61	.66	.63	.60	.59
8.0	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.61	.58	.63	.60	.58	.56
9.0	.64	.59	.55	.63	.59	.55	.62	.58	.55	.62	.58	.55	.61	.57	.55	.54
10.0	.61	.56	.53	.60	.56	.53	.60	.56	.53	.59	.55	.53	.58	.55	.52	.51



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:36.992V I:0.7000A P:25.894W 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	15.0	15.9	15.2	16.0	16.2	15.6	16.5	15.9	16.7	16.8
3H	15.8	16.6	16.1	16.8	17.0	16.5	17.3	16.7	17.5	17.7
4H	16.2	17.0	16.5	17.2	17.4	16.8	17.6	17.1	17.8	18.0
6H	16.4	17.1	16.7	17.4	17.6	17.1	17.8	17.4	18.1	18.3
8H	16.5	17.2	16.8	17.4	17.7	17.2	17.9	17.5	18.1	18.4
12H	16.5	17.1	16.8	17.4	17.7	17.2	17.9	17.5	18.2	18.4
4H 2H	15.3	16.1	15.6	16.3	16.5	15.9	16.6	16.1	16.9	17.1
3H	16.4	17.0	16.7	17.3	17.6	16.9	17.6	17.2	17.8	18.1
4H	16.8	17.4	17.2	17.7	18.0	17.4	18.0	17.7	18.3	18.6
6H	17.2	17.7	17.5	18.0	18.4	17.8	18.3	18.1	18.6	19.0
8H	17.2	17.7	17.6	18.1	18.5	17.9	18.4	18.3	18.7	19.1
12H	17.2	17.7	17.6	18.1	18.5	17.9	18.4	18.3	18.8	19.2
8H 4H	17.0	17.5	17.4	17.8	18.2	17.5	18.0	17.9	18.4	18.7
6H	17.4	17.8	17.9	18.2	18.7	18.0	18.4	18.4	18.8	19.2
8H	17.6	17.9	18.0	18.3	18.8	18.2	18.5	18.6	18.9	19.4
12H	17.6	17.9	18.0	18.3	18.8	18.2	18.6	18.7	19.0	19.5
12H 4H	17.0	17.4	17.4	17.8	18.2	17.5	17.9	17.9	18.3	18.7
6H	17.4	17.8	17.9	18.2	18.7	18.0	18.4	18.4	18.8	19.2
8H	17.6	17.9	18.1	18.3	18.8	18.2	18.5	18.6	18.9	19.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.5 / - 0.6					+ 0.6 / - 0.6				
1.5H	+ 0.8 / - 0.5					+ 1.2 / - 0.4				
2.0H	+ 0.7 / - 0.5					+ 0.7 / - 0.4				

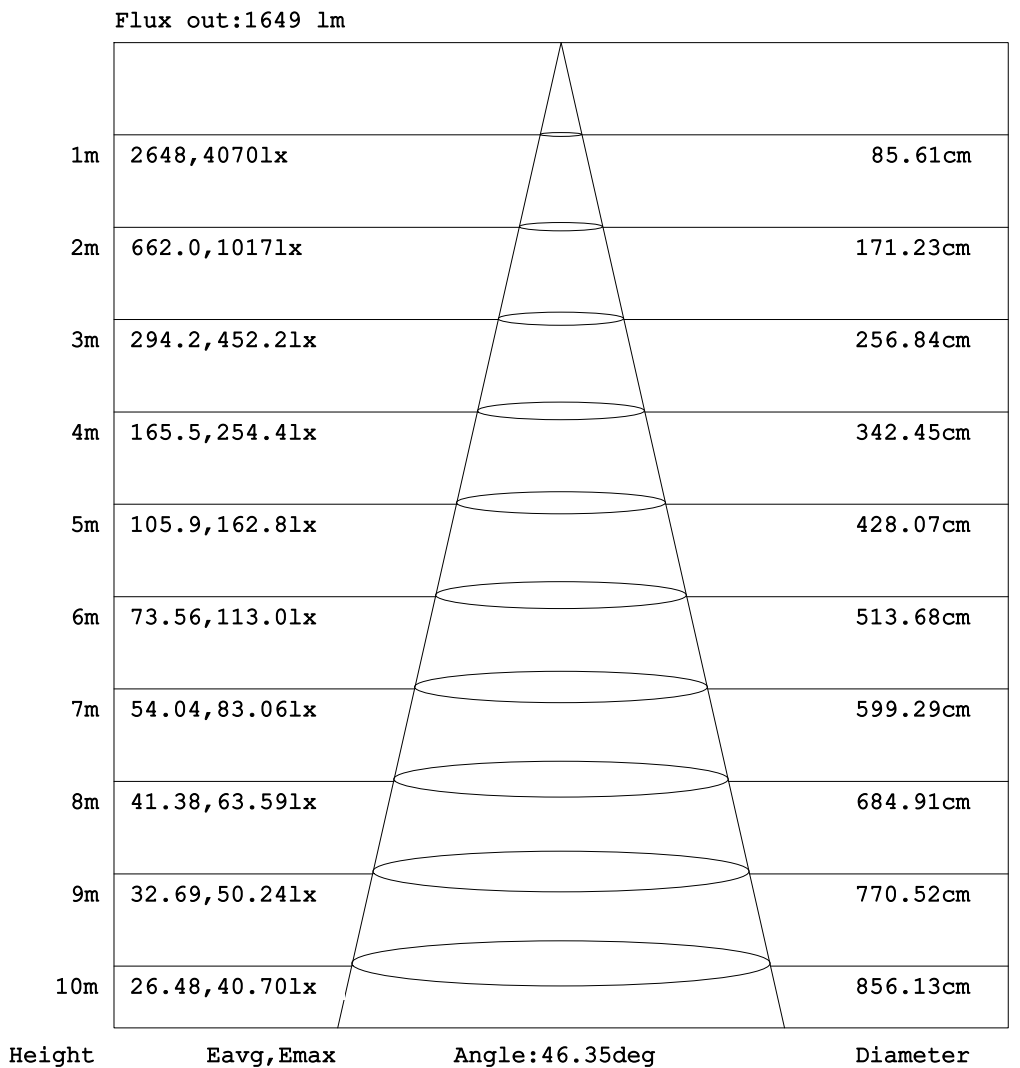
CIE Pub.117, 2719 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.5)
Area: 0.004 m2

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:36.992V I:0.7000A P:25.894W 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.

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