



Light Output Ratio:	84.8%	
Luminaire Power:	25.94 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

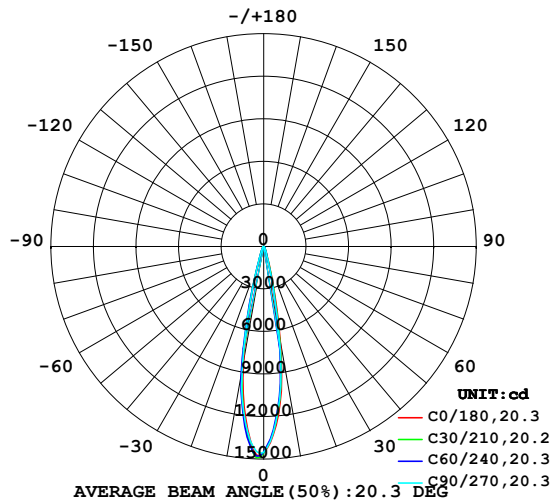
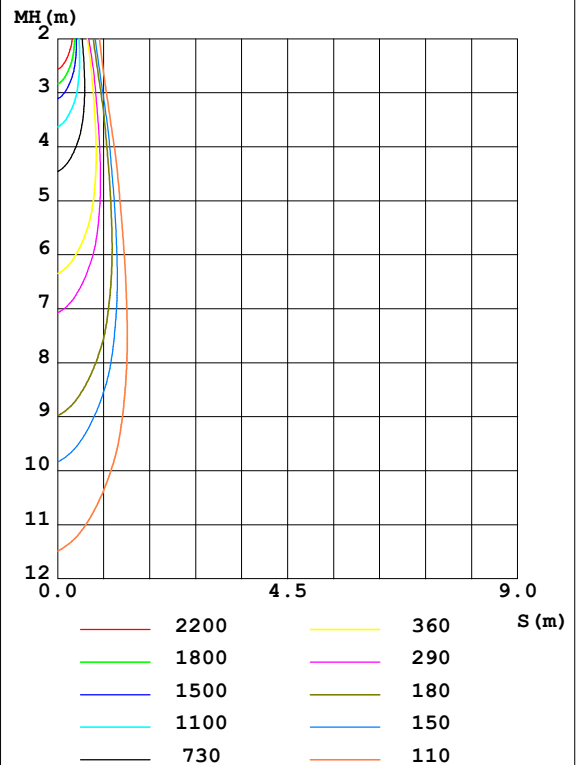
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-06-27

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:37.061V I:0.7000A P:25.943W 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: 88.86 lm/W			
MODEL	CXB1304-3000K	I _{max} (cd)	14905	S/MH (C0/180)	0.35
NOMINAL POWER (W)	26	LOR (%)	84.8	S/MH (C90/270)	0.36
RATED VOLTAGE (V)	37	TOTAL FLUX (lm)	2305.2	η UP, DN (C0-180)	0.0, 38.3
NOMINAL FLUX (lm)	2719.16	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 46.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	37	η down (%)	84.8	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


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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%
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Remarks:

ZONAL FLUX DIAGRAM
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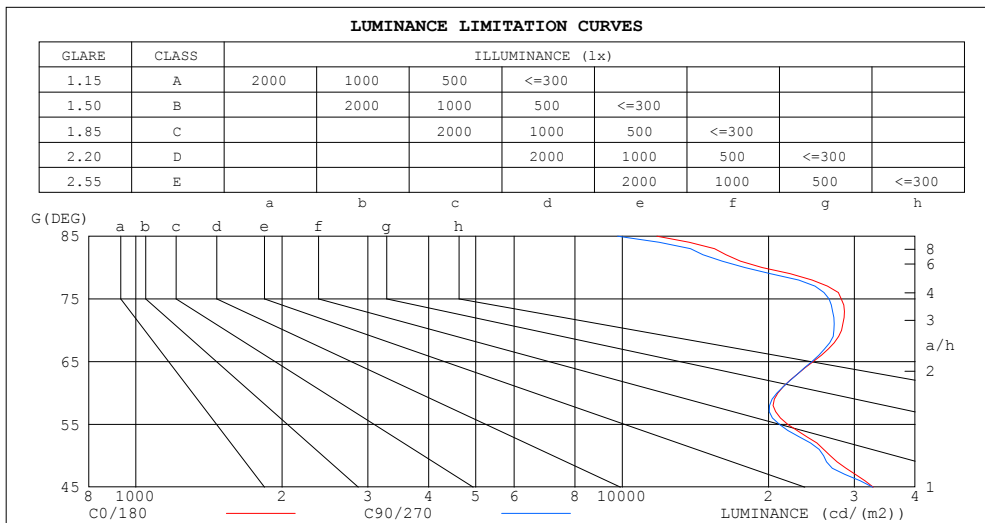
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	686.8	614.6	617.0	719.9	829.3	901.8	883.2	797.3	0- 10	1034	1034	44.8,38
20	74.50	66.71	65.62	72.17	84.15	90.90	93.40	85.40	10- 20	776.4	1810	78.5,66.6
30	22.95	21.39	21.59	23.34	25.84	27.16	26.82	25.19	20- 30	201.1	2011	87.2,74
40	10.94	10.43	10.50	11.07	11.62	11.71	11.40	11.22	30- 40	99.76	2111	91.6,77.6
50	6.885	6.690	6.669	6.916	7.326	7.318	7.150	7.057	40- 50	71.29	2182	94.7,80.3
60	4.179	4.170	4.163	4.173	4.283	4.294	4.281	4.226	50- 60	47.73	2230	96.7,82
70	3.866	3.757	3.729	3.750	3.891	3.625	3.910	3.886	60- 70	40.58	2271	98.5,83.5
80	1.348	1.183	1.241	1.495	1.755	1.528	1.574	1.431	70- 80	29.11	2300	99.8,84.6
90	0.0193	0.0193	0.0193	0.0185	0.0241	0.0249	0.0289	0.0269	80- 90	5.584	2305	100,84.8
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		

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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:37.061V I:0.7000A P:25.943W 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	11793	9784
80	19410	17873
75	28225	26616
70	28256	27256
65	24705	24534
60	20893	20814
55	21917	21071
50	26779	25937
45	32818	32748

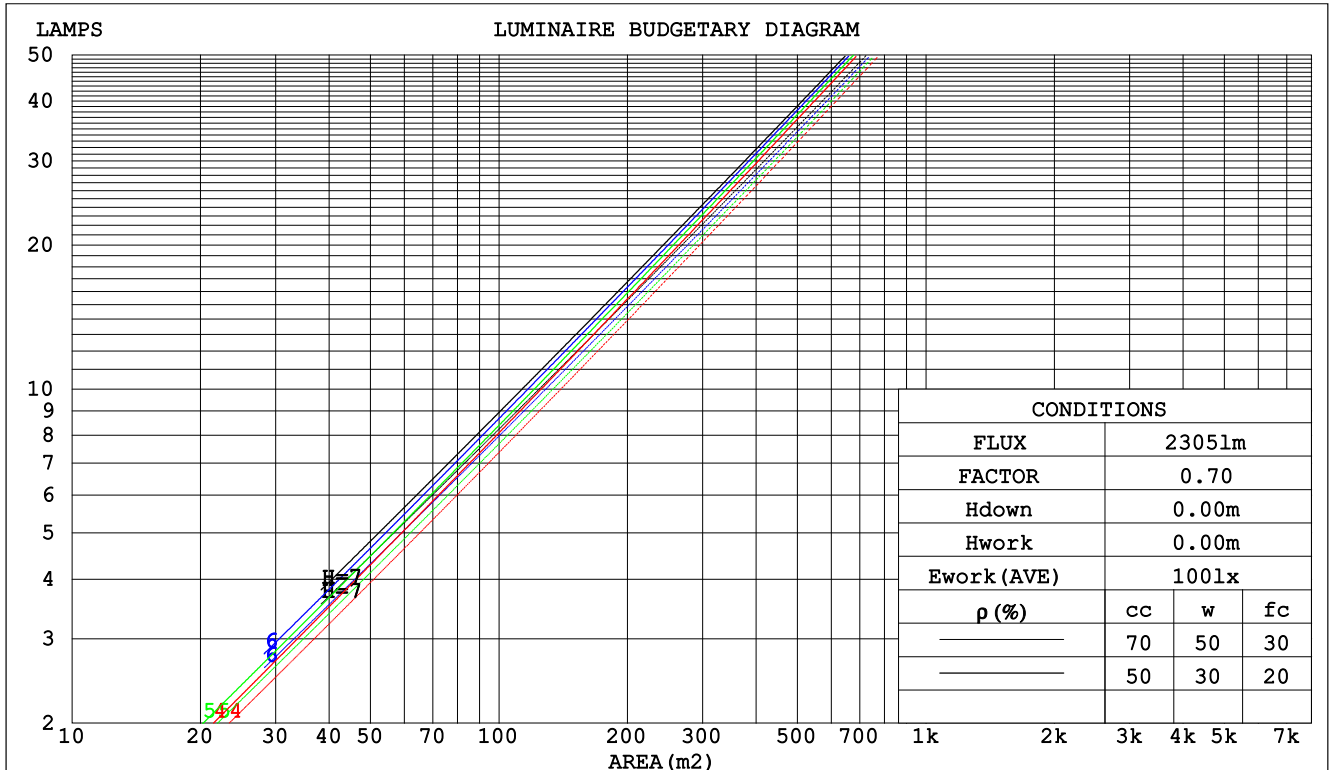
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 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
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γ Range: 0 - 90DEG
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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:37.061V I:0.7000A P:25.943W 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	.99	.99	.99	.94	.94	.94	.90	.90	.90	.87	.87	.87	.85
1.0	.95	.93	.92	.93	.92	.90	.90	.89	.88	.87	.86	.85	.84	.83	.83	.81
2.0	.90	.87	.85	.89	.86	.84	.86	.84	.82	.84	.82	.81	.81	.80	.79	.78
3.0	.86	.83	.80	.85	.82	.80	.83	.80	.78	.81	.79	.77	.79	.77	.76	.75
4.0	.83	.79	.76	.82	.78	.76	.80	.77	.75	.78	.76	.74	.77	.75	.73	.72
5.0	.80	.76	.73	.79	.75	.73	.78	.75	.72	.76	.74	.72	.75	.73	.71	.70
6.0	.77	.73	.71	.76	.73	.70	.75	.72	.70	.74	.72	.70	.73	.71	.69	.68
7.0	.75	.71	.68	.74	.71	.68	.73	.70	.68	.72	.70	.68	.72	.69	.67	.66
8.0	.73	.69	.67	.72	.69	.66	.71	.68	.66	.71	.68	.66	.70	.68	.66	.65
9.0	.71	.67	.65	.70	.67	.65	.70	.67	.65	.69	.66	.64	.68	.66	.64	.63
10.0	.69	.66	.63	.69	.65	.63	.68	.65	.63	.68	.65	.63	.67	.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

Test:U:37.061V I:0.7000A P:25.943W 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	13.9	14.6	14.1	14.7	14.9	13.8	14.5	14.0	14.6	14.8
3H	16.0	16.7	16.3	16.8	17.0	15.9	16.5	16.1	16.7	16.9
4H	17.0	17.6	17.2	17.8	18.0	16.8	17.4	17.1	17.6	17.8
6H	17.5	18.1	17.8	18.3	18.5	17.3	17.9	17.6	18.1	18.3
8H	17.6	18.1	17.9	18.4	18.6	17.3	17.9	17.6	18.1	18.4
12H	17.6	18.1	17.9	18.4	18.7	17.4	17.9	17.7	18.2	18.4
4H 2H	14.6	15.2	14.9	15.5	15.7	14.5	15.1	14.8	15.4	15.6
3H	17.0	17.5	17.3	17.8	18.1	16.9	17.4	17.2	17.7	17.9
4H	18.1	18.6	18.4	18.8	19.2	17.9	18.4	18.2	18.7	19.0
6H	18.6	19.1	19.0	19.4	19.7	18.4	18.9	18.8	19.2	19.5
8H	18.7	19.1	19.1	19.5	19.8	18.5	18.9	18.9	19.3	19.6
12H	18.8	19.1	19.2	19.5	19.9	18.5	18.9	18.9	19.3	19.7
8H 4H	18.4	18.8	18.8	19.1	19.5	18.2	18.6	18.6	19.0	19.4
6H	19.0	19.3	19.4	19.7	20.1	18.8	19.1	19.2	19.5	19.9
8H	19.1	19.4	19.6	19.9	20.3	18.9	19.2	19.4	19.6	20.1
12H	19.2	19.5	19.6	19.9	20.4	18.9	19.2	19.4	19.7	20.1
12H 4H	18.4	18.7	18.8	19.1	19.5	18.2	18.6	18.6	19.0	19.4
6H	19.0	19.3	19.4	19.7	20.2	18.8	19.1	19.2	19.5	20.0
8H	19.1	19.4	19.6	19.9	20.3	18.9	19.2	19.4	19.6	20.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.5 / - 0.3					+ 0.5 / - 0.3				

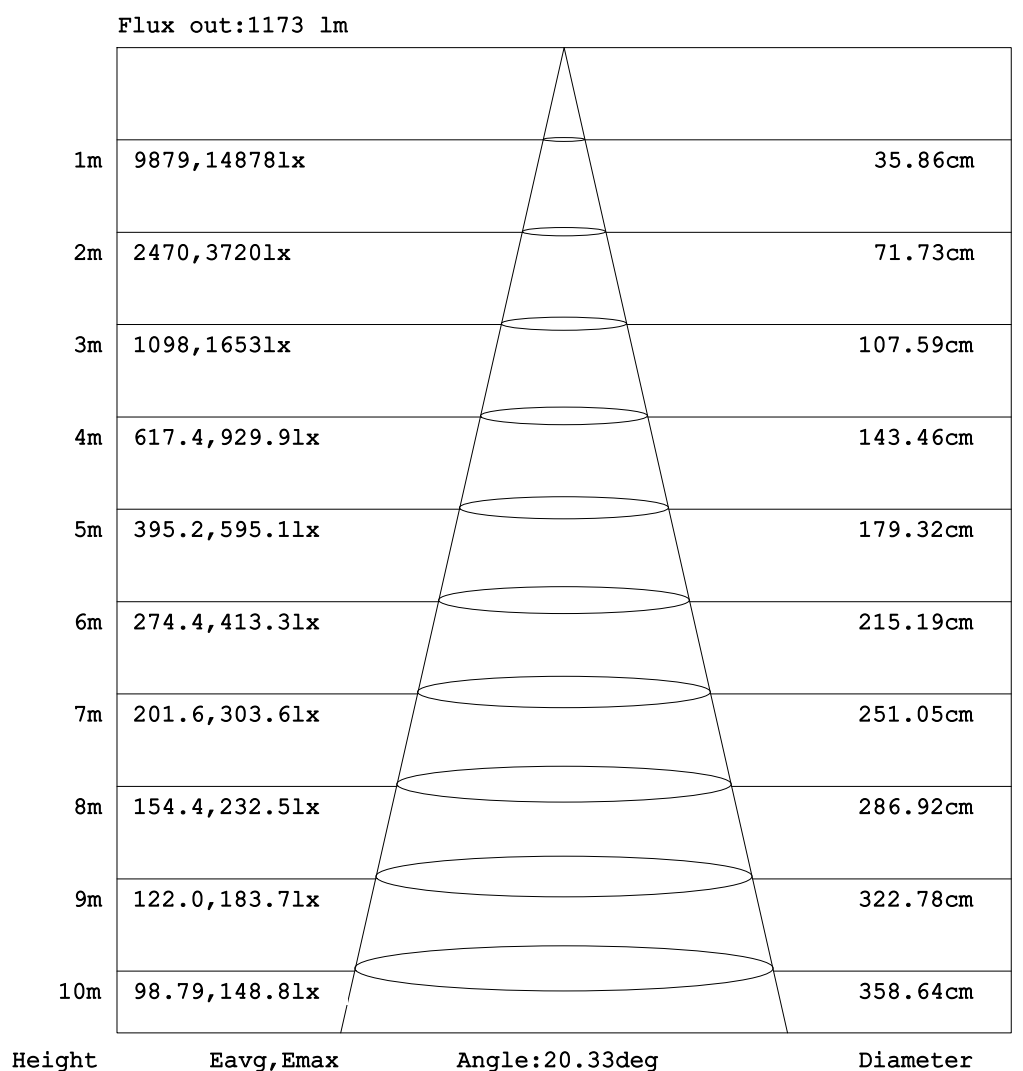
CIE Pub.117, 2719 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.5)
Area: 0.004 m2

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:37.061V I:0.7000A P:25.943W 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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