



Light Output Ratio:	84.8%	
Luminaire Power:	36.33 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.20	fine grid method.

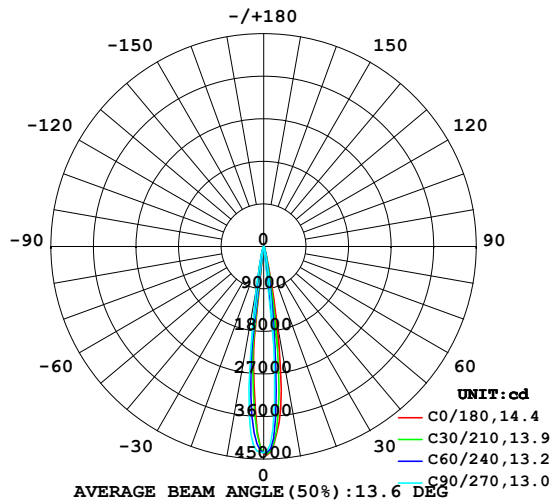
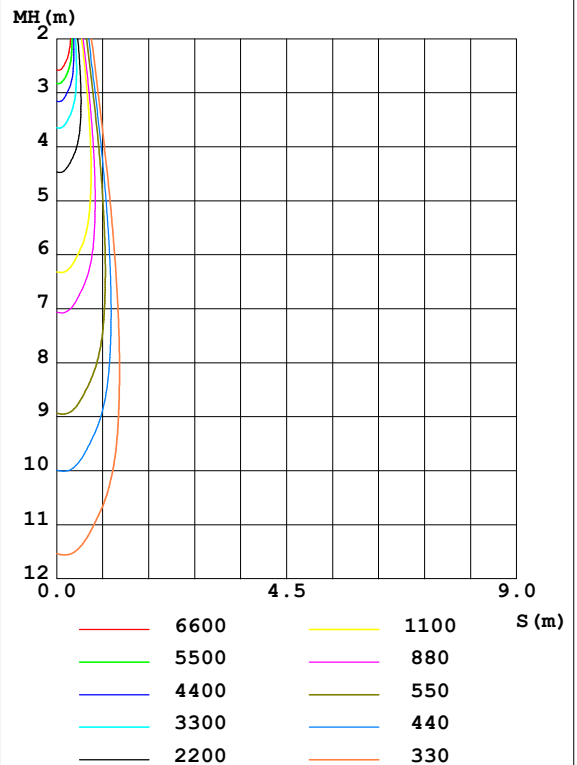
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-06-27

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:34.600V I:1.0499A P:36.326W 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: 99.48 lm/W			
MODEL	CXB1512-3000K	I _{max} (cd)	44081	S/MH (C0/180)	0.20
NOMINAL POWER (W)	36	LOR (%)	84.8	S/MH (C90/270)	0.23
RATED VOLTAGE (V)	34	TOTAL FLUX (lm)	3613.8	η UP, DN (C0-180)	0.0, 40.8
NOMINAL FLUX (lm)	4260	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 44.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	34	η down (%)	84.8	CIBSE SHR MAX	0.20

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


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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:

ZONAL FLUX DIAGRAM
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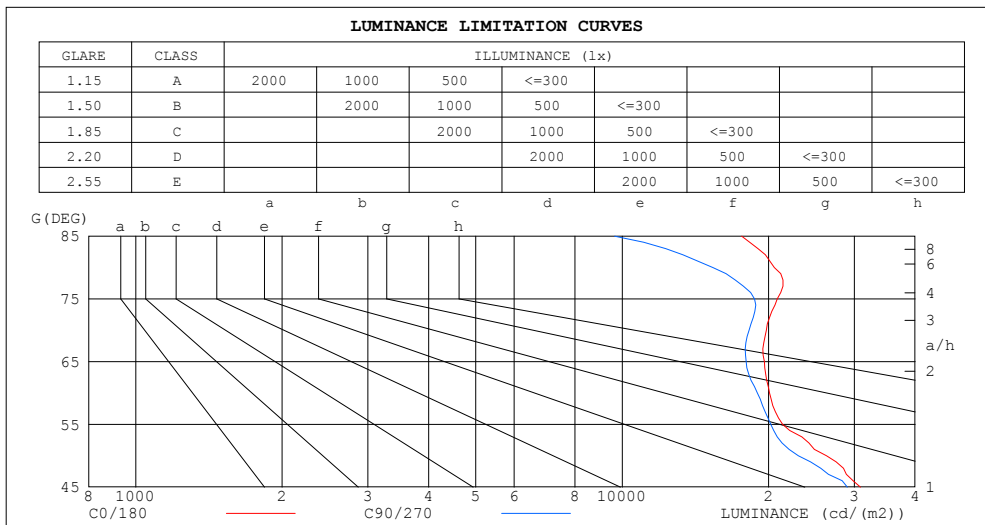
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1557	954.2	603.6	590.6	701.4	787.1	902.6	1315	0- 10	2198	2198	60.8,51.6
20	123.7	96.85	77.42	75.87	81.24	87.04	95.00	113.7	10- 20	796.8	2995	82.9,70.3
30	35.82	31.35	27.98	27.43	27.81	29.03	31.20	34.50	20- 30	240.0	3235	89.5,75.9
40	16.92	15.74	14.91	14.63	14.32	14.73	15.60	16.63	30- 40	133.5	3369	93.2,79.1
50	10.14	9.410	8.883	8.723	8.162	8.673	9.749	10.16	40- 50	94.61	3463	95.8,81.3
60	6.026	5.878	5.686	5.484	5.362	5.685	6.104	6.234	50- 60	64.44	3528	97.6,82.8
70	4.061	3.901	3.740	3.607	3.587	3.784	3.990	4.093	60- 70	47.06	3575	98.9,83.9
80	2.143	1.888	1.600	1.469	1.464	1.702	2.000	2.139	70- 80	31.09	3606	99.8,84.6
90	0.0931	0.0481	0.0241	0.0273	0.0337	0.0453	0.0313	0.1107	80- 90	8.116	3614	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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 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:

LUMINANCE LIMITATION CURVES

Test:U:34.600V I:1.0499A P:36.326W 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	17603	9647
80	20564	15355
75	20842	18700
70	19790	18223
65	19596	17996
60	20088	18954
55	21376	20200
50	26296	23033
45	30895	29049

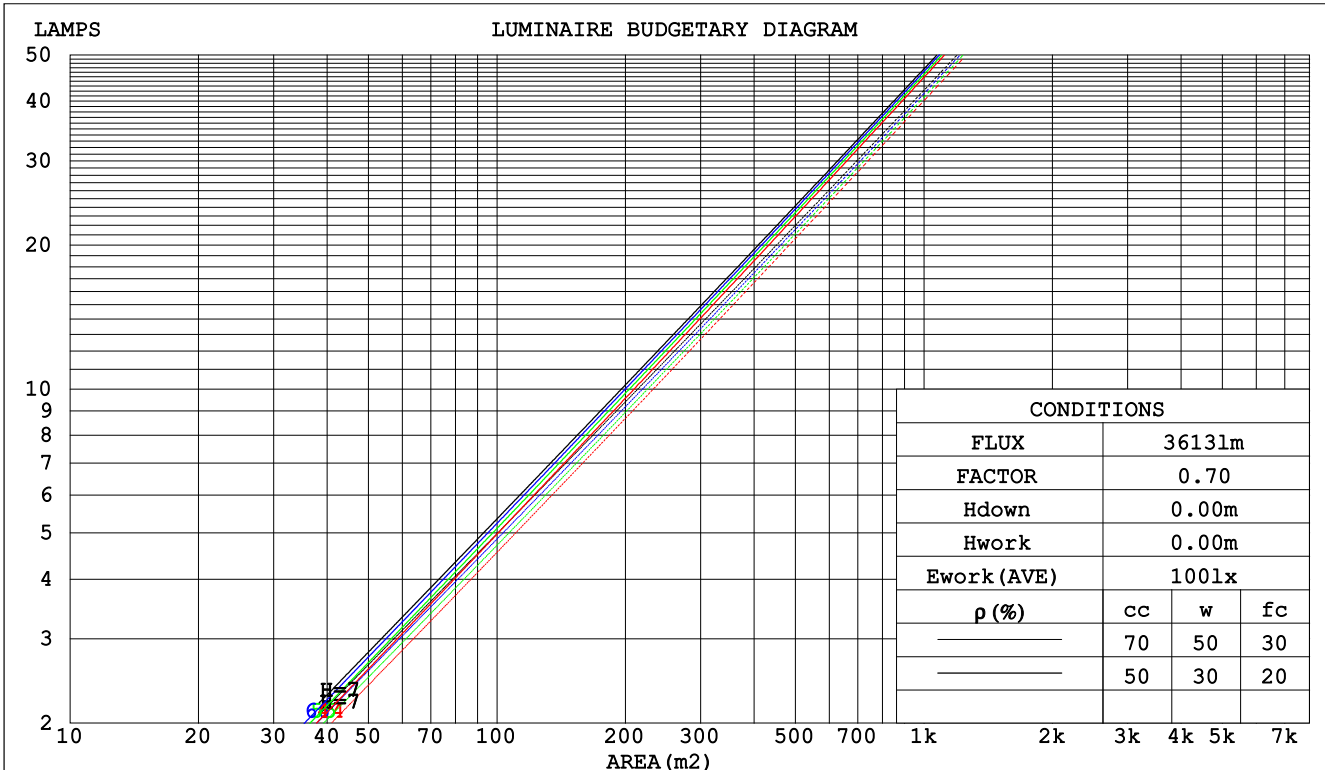
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.444
 Humidity:65.0%
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:34.600V I:1.0499A P:36.326W 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
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	.96	.94	.93	.94	.93	.91	.91	.90	.89	.88	.87	.86	.85	.84	.83	.82
2.0	.92	.89	.87	.90	.88	.86	.88	.86	.84	.85	.84	.82	.83	.82	.81	.80
3.0	.88	.85	.83	.87	.84	.82	.85	.83	.81	.83	.81	.80	.81	.80	.78	.77
4.0	.85	.82	.80	.84	.81	.79	.83	.80	.78	.81	.79	.77	.80	.78	.76	.76
5.0	.83	.79	.77	.82	.79	.77	.81	.78	.76	.79	.77	.75	.78	.76	.75	.74
6.0	.80	.77	.75	.80	.77	.75	.79	.76	.74	.78	.75	.74	.77	.75	.73	.72
7.0	.79	.75	.73	.78	.75	.73	.77	.75	.73	.76	.74	.72	.76	.74	.72	.71
8.0	.77	.74	.72	.76	.74	.72	.76	.73	.71	.75	.73	.71	.74	.72	.71	.70
9.0	.75	.72	.70	.75	.72	.70	.74	.72	.70	.74	.72	.70	.73	.71	.70	.69
10.0	.74	.71	.69	.74	.71	.69	.73	.71	.69	.73	.70	.69	.72	.70	.69	.68



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:34.600V I:1.0499A P:36.326W 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	11.9	12.5	12.1	12.6	12.8	11.5	12.1	11.7	12.2	12.4
3H	13.2	13.8	13.4	13.9	14.1	12.8	13.3	13.0	13.5	13.7
4H	13.9	14.4	14.2	14.7	14.9	13.5	14.0	13.7	14.2	14.4
6H	14.5	15.1	14.8	15.3	15.5	14.0	14.5	14.2	14.7	14.9
8H	14.8	15.3	15.0	15.5	15.7	14.1	14.6	14.3	14.8	15.0
12H	14.9	15.4	15.2	15.6	15.9	14.1	14.6	14.4	14.8	15.1
4H 2H	12.4	12.9	12.6	13.1	13.3	12.0	12.6	12.3	12.8	13.0
3H	13.9	14.4	14.2	14.7	14.9	13.6	14.1	13.9	14.3	14.6
4H	14.8	15.2	15.1	15.5	15.8	14.4	14.9	14.8	15.2	15.5
6H	15.6	16.0	15.9	16.3	16.6	15.0	15.4	15.4	15.7	16.1
8H	15.8	16.2	16.2	16.5	16.9	15.2	15.5	15.5	15.9	16.2
12H	16.0	16.3	16.4	16.7	17.1	15.2	15.6	15.6	15.9	16.3
8H 4H	15.1	15.5	15.5	15.8	16.2	14.8	15.1	15.1	15.5	15.8
6H	16.0	16.3	16.4	16.7	17.1	15.5	15.8	15.9	16.2	16.6
8H	16.3	16.6	16.8	17.0	17.4	15.7	16.0	16.1	16.4	16.8
12H	16.5	16.8	17.0	17.2	17.7	15.8	16.0	16.2	16.4	16.9
12H 4H	15.1	15.4	15.5	15.8	16.2	14.8	15.1	15.2	15.5	15.9
6H	16.0	16.3	16.5	16.7	17.1	15.5	15.8	16.0	16.2	16.7
8H	16.4	16.6	16.8	17.1	17.5	15.8	16.0	16.2	16.4	16.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.5 / - 0.3					+ 0.6 / - 0.4				

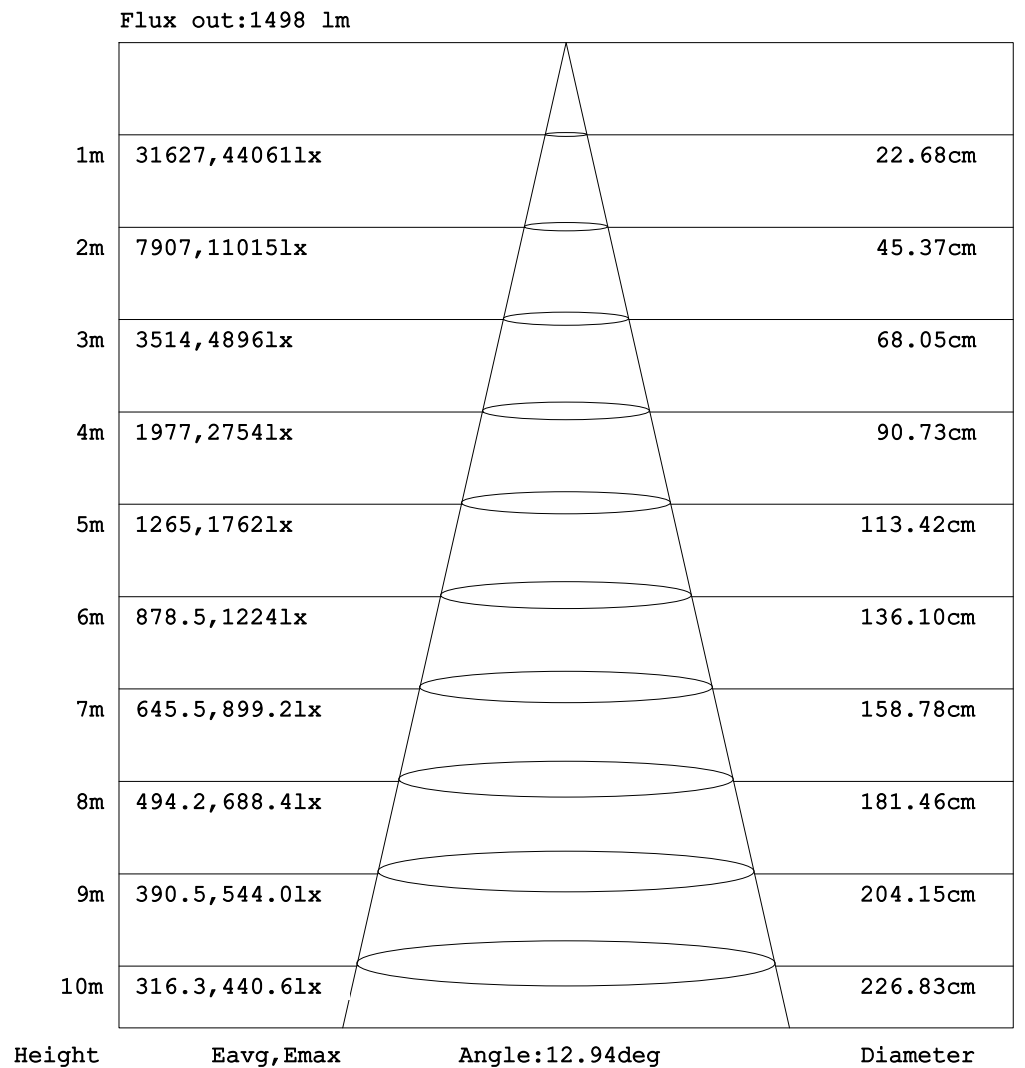
CIE Pub.117, 4260 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.0)
Area: 0.006 m2

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:34.600V I:1.0499A P:36.326W 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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