



Light Output Ratio:	84.2%	
Luminaire Power:	25.89 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.90	fine grid method.

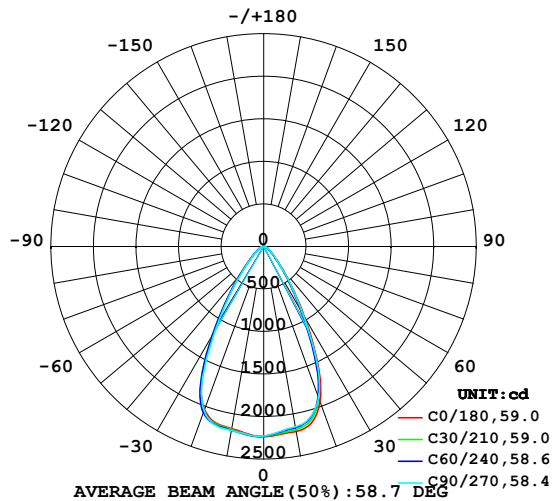
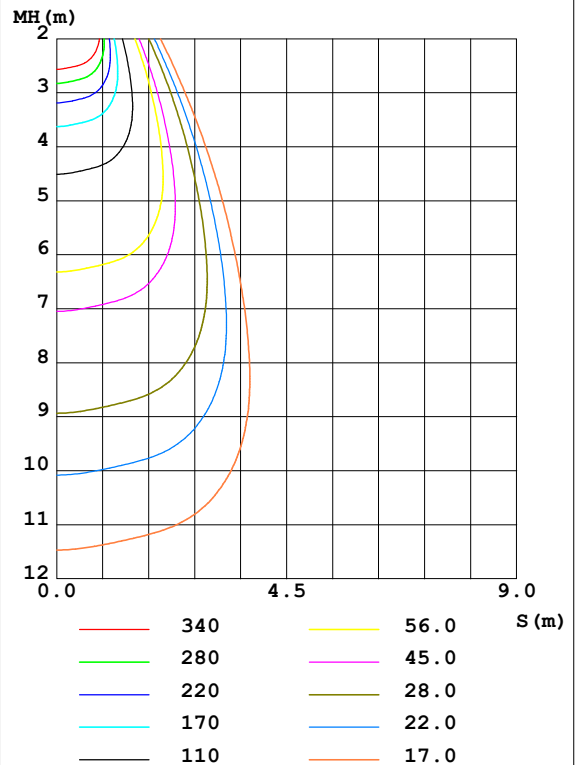
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2023-06-27

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:36.984V I:0.7000A P:25.889W 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: 88.44 lm/W			
MODEL	CXB1304-3000K	I _{max} (cd)	2236	S/MH (C0/180)	0.90
NOMINAL POWER (W)	26	LOR (%)	84.2	S/MH (C90/270)	0.89
RATED VOLTAGE (V)	37	TOTAL FLUX (lm)	2289.6	η UP, DN (C0-180)	0.0, 40.0
NOMINAL FLUX (lm)	2719.16	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 44.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	37	η down (%)	84.2	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)


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γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.444
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Remarks:

ZONAL FLUX DIAGRAM
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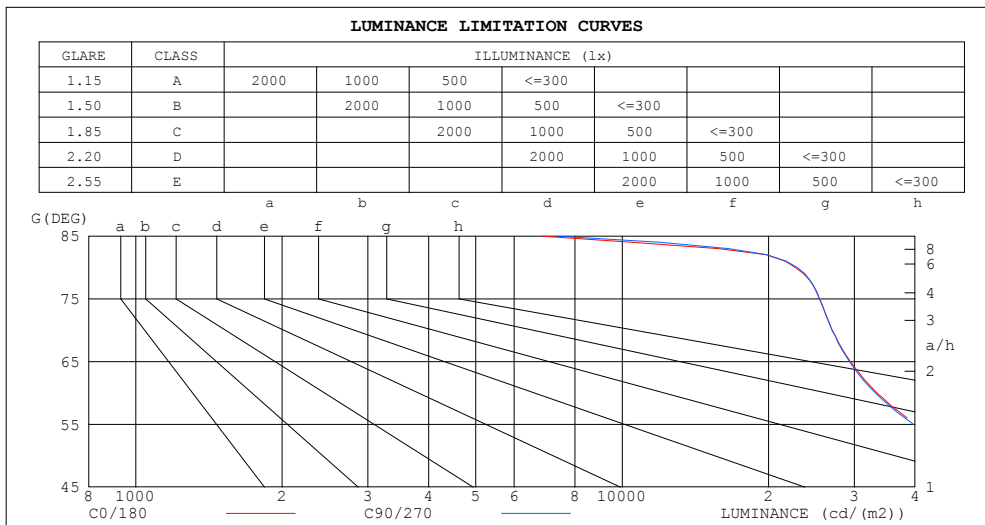
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2207	2174	2151	2157	2173	2187	2195	2204	0- 10	209.7	209.7	9.16, 7.71
20	1937	1884	1888	1969	2040	2069	2054	2008	10- 20	598.8	808.5	35.3, 29.7
30	968.5	909.8	929.6	1029	1171	1217	1143	1042	20- 30	710.4	1519	66.3, 55.9
40	337.2	317.2	327.0	367.8	423.4	444.2	413.0	366.4	30- 40	408.5	1927	84.2, 70.9
50	133.2	126.4	131.0	145.4	160.9	164.9	156.4	144.0	40- 50	181.2	2108	92.1, 77.5
60	66.88	63.91	66.35	72.63	77.85	78.04	75.47	71.85	50- 60	91.22	2200	96.1, 80.9
70	37.01	35.60	36.96	40.33	42.86	42.23	41.45	39.77	60- 70	53.33	2253	98.4, 82.9
80	15.78	14.75	15.92	18.52	20.82	17.31	16.94	15.70	70- 80	29.63	2283	99.7, 83.9
90	0.2968	0.2968	0.2808	0.2567	0.3851	0.6177	0.4733	0.3048	80- 90	6.958	2290	100, 84.2
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
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 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:36.984V I:0.7000A P:25.889W 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	6857	7374
80	22718	22921
75	25464	25441
70	27050	27013
65	29462	29353
60	33442	33174
55	40061	39722
50	51787	50935
45	72260	70733

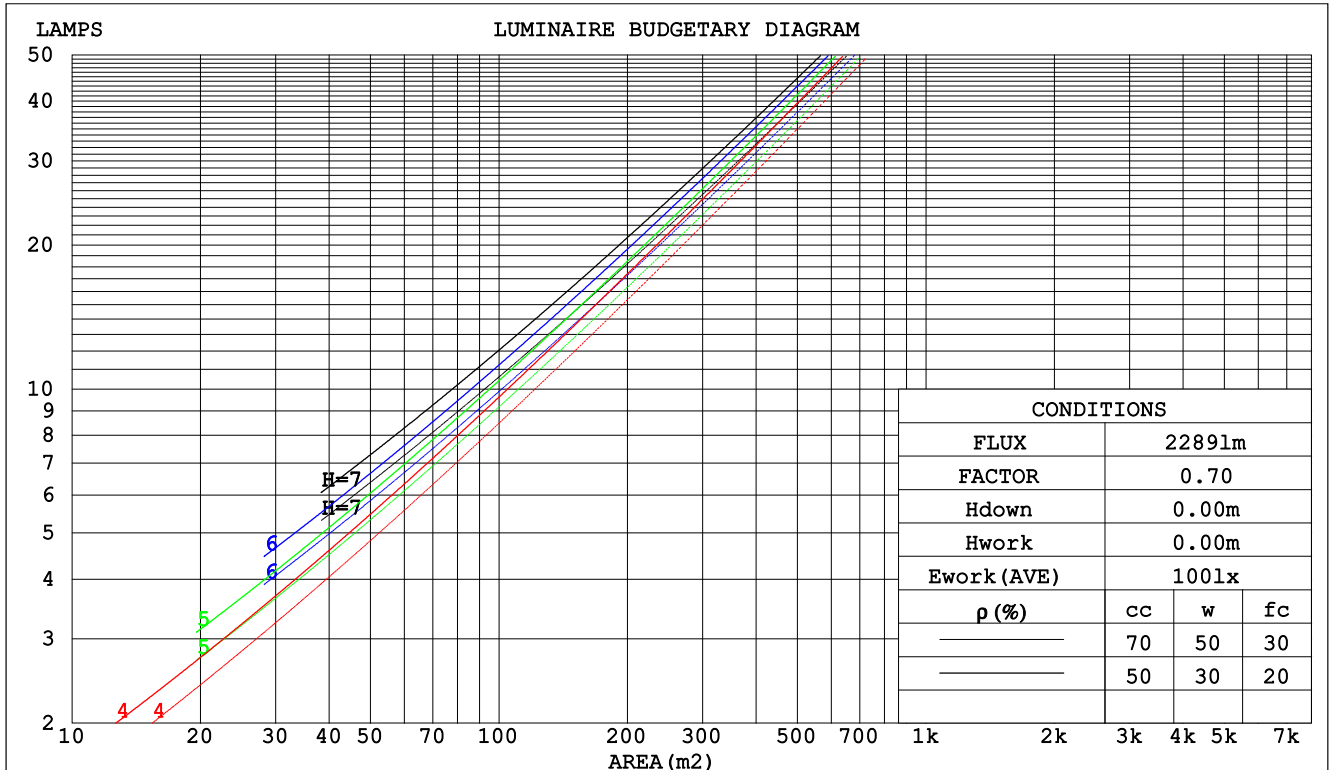
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2023-06-27

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 γ Interval: 1.0DEG
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 Humidity:65.0%
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:36.984V I:0.7000A P:25.889W 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	1.00	1.00	1.00	.98	.98	.98	.94	.94	.94	.90	.90	.90	.86	.86	.86	.84
1.0	.92	.90	.88	.91	.88	.87	.87	.85	.84	.84	.83	.81	.81	.80	.79	.77
2.0	.85	.81	.78	.84	.80	.77	.81	.78	.76	.78	.76	.74	.76	.74	.72	.71
3.0	.79	.74	.70	.78	.73	.70	.75	.72	.69	.73	.70	.68	.71	.69	.67	.65
4.0	.73	.68	.64	.72	.67	.64	.70	.66	.63	.68	.65	.62	.67	.64	.61	.60
5.0	.68	.63	.59	.67	.62	.59	.66	.61	.58	.64	.60	.57	.63	.60	.57	.56
6.0	.64	.58	.54	.63	.58	.54	.62	.57	.54	.60	.56	.53	.59	.56	.53	.52
7.0	.60	.54	.50	.59	.54	.50	.58	.53	.50	.57	.53	.50	.56	.52	.49	.48
8.0	.56	.51	.47	.55	.50	.47	.54	.50	.47	.54	.49	.46	.53	.49	.46	.45
9.0	.53	.47	.44	.52	.47	.44	.51	.47	.44	.51	.46	.43	.50	.46	.43	.42
10.0	.50	.45	.41	.49	.44	.41	.49	.44	.41	.48	.44	.41	.47	.43	.41	.40



C Range: 0 - 360DEG
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 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:36.984V I:0.7000A P:25.889W 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	19.4	20.4	19.6	20.6	20.8	19.2	20.3	19.4	20.4	20.6
3H	19.8	20.8	20.1	21.0	21.2	19.7	20.6	19.9	20.8	21.0
4H	20.0	20.9	20.3	21.2	21.4	19.9	20.8	20.2	21.0	21.3
6H	20.2	21.1	20.5	21.3	21.5	20.1	20.9	20.4	21.2	21.4
8H	20.2	21.1	20.6	21.3	21.6	20.1	20.9	20.4	21.2	21.5
12H	20.2	21.0	20.5	21.3	21.5	20.1	20.9	20.4	21.2	21.4
4H 2H	19.4	20.3	19.7	20.6	20.8	19.3	20.2	19.6	20.4	20.7
3H	20.0	20.8	20.4	21.1	21.4	19.9	20.7	20.2	21.0	21.3
4H	20.4	21.1	20.7	21.4	21.7	20.3	21.0	20.6	21.3	21.6
6H	20.7	21.3	21.0	21.6	22.0	20.6	21.2	20.9	21.5	21.9
8H	20.7	21.3	21.1	21.7	22.0	20.6	21.2	21.0	21.6	21.9
12H	20.7	21.2	21.1	21.6	22.0	20.6	21.2	21.0	21.5	21.9
8H 4H	20.5	21.0	20.8	21.4	21.8	20.4	20.9	20.7	21.3	21.7
6H	20.8	21.3	21.3	21.7	22.1	20.7	21.2	21.2	21.6	22.0
8H	20.9	21.4	21.4	21.8	22.2	20.8	21.3	21.3	21.7	22.1
12H	20.9	21.3	21.4	21.7	22.2	20.8	21.2	21.3	21.6	22.1
12H 4H	20.4	21.0	20.8	21.3	21.7	20.3	20.9	20.7	21.2	21.6
6H	20.8	21.3	21.3	21.7	22.1	20.7	21.2	21.2	21.6	22.0
8H	20.9	21.3	21.4	21.7	22.2	20.9	21.2	21.3	21.7	22.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.1 / - 1.3					+ 1.1 / - 1.2				
1.5H	+ 2.1 / - 1.1					+ 2.0 / - 1.0				
2.0H	+ 1.7 / - 0.9					+ 1.6 / - 0.9				

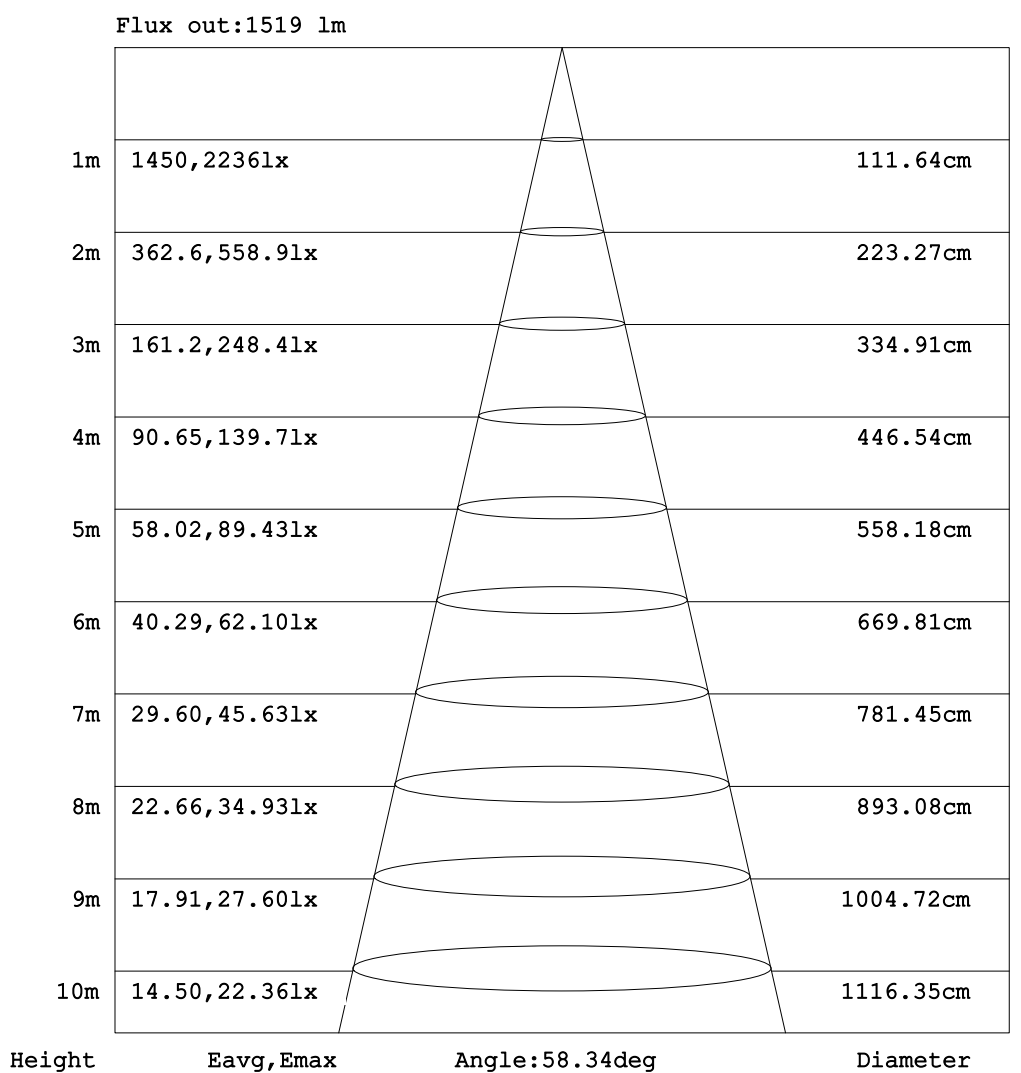
CIE Pub.117, 2719 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.5)
Area: 0.004 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
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γ Range: 0 - 90DEG
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Humidity:65.0%
Test Distance:10.214m [K=1.0000]
Remarks:

AAI Figure

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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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