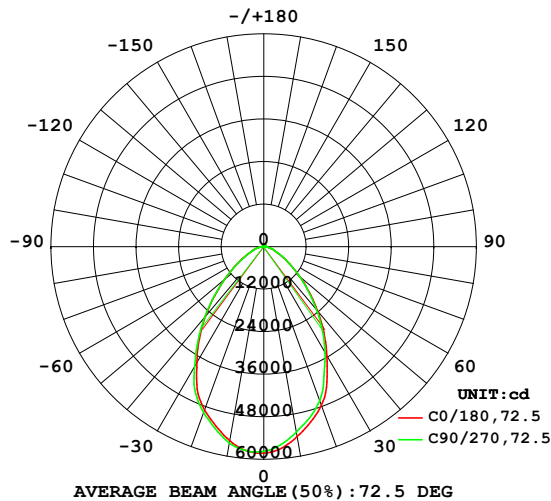


LUMINAIRE PHOTOMETRIC TEST REPORT

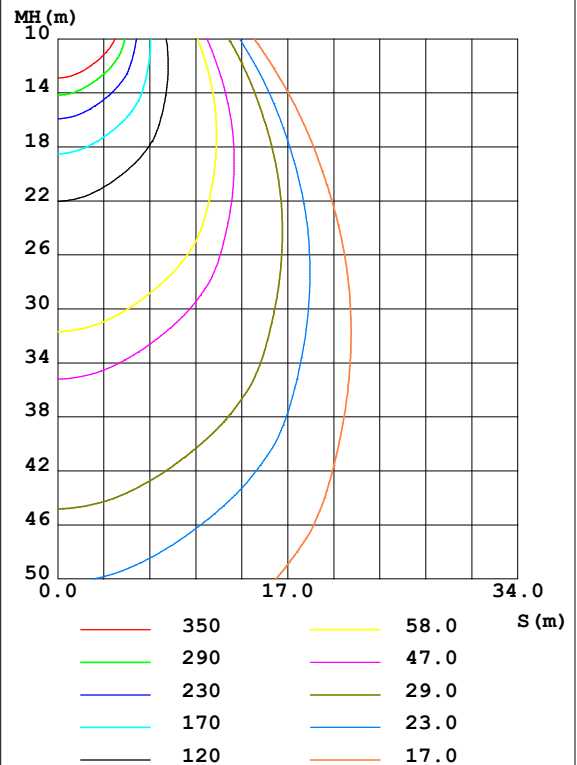
Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 186.31 lm/W			
MODEL	HB03	I _{max} (cd)	58270	S/MH (C0/180)	1.03
NOMINAL POWER (W)	500W	LOR (%)	100.0	S/MH (C90/270)	1.07
RATED VOLTAGE (V)		TOTAL FLUX (lm)	91598	η UP, DN (C0-180)	1.1, 47.2
NOMINAL FLUX (lm)	91597.9	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 50.6
LAMPS INSIDE	1	η up (%)	2.2	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	0	η down (%)	97.8	CIBSE SHR MAX	1.10

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5442	5354	5308	5320	5553	5601	5620	5568	0- 10	5371	5371	5.86, 5.86
20	4759	4654	4618	4637	4898	4940	4978	4923	10- 20	14493	19864	21.7, 21.7
30	3569	3499	3461	3494	3775	3813	3899	3839	20- 30	19643	39507	43.1, 43.1
40	2372	2326	2310	2309	2561	2513	2595	2545	30- 40	19006	58514	63.9, 63.9
50	1352	1312	1327	1288	1454	1397	1454	1424	40- 50	14437	72950	79.6, 79.6
60	664.0	651.3	666.8	650.7	718.9	680.2	707.6	688.9	50- 60	8867	81817	89.3, 89.3
70	323.0	325.9	324.5	325.4	338.0	323.2	325.5	319.0	60- 70	4712	86529	94.5, 94.5
80	127.4	132.1	127.5	130.9	142.9	138.6	136.9	136.1	70- 80	2402	88931	97.1, 97.1
90	27.69	27.52	27.38	27.30	16.26	16.17	16.09	16.04	80- 90	656.3	89587	97.8, 97.8
100	24.15	24.01	23.91	23.83	18.58	18.53	18.44	18.38	90-100	232.7	89820	98.1, 98.1
110	24.32	24.19	24.14	24.06	22.17	22.08	21.99	21.95	100-110	232.1	90052	98.3, 98.3
120	27.79	27.73	27.76	27.65	27.36	27.19	27.03	27.01	110-120	248.9	90301	98.6, 98.6
130	33.79	33.88	33.93	33.79	33.61	33.36	33.14	33.15	120-130	272.1	90573	98.9, 98.9
140	41.02	41.20	41.21	41.13	40.63	40.34	40.08	40.15	130-140	286.5	90860	99.2, 99.2
150	48.67	48.83	48.82	48.83	47.77	47.43	47.26	47.28	140-150	278.2	91138	99.5, 99.5
160	55.73	55.84	55.83	55.97	54.50	54.18	54.14	54.13	150-160	238.0	91376	99.8, 99.8
170	61.07	61.11	61.04	61.29	60.01	59.70	59.77	59.79	160-170	163.5	91539	99.9, 99.9
180	62.54	62.55	62.41	62.74	62.73	62.37	62.59	62.59	170-180	58.69	91598	100, 100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT: lm		

Conical surface Flux(90deg): 66446 lm

%lum = 72.5%

%lamp = 72.5%

Conical surface Flux(120deg): 81818 lm

%lum = 89.3%

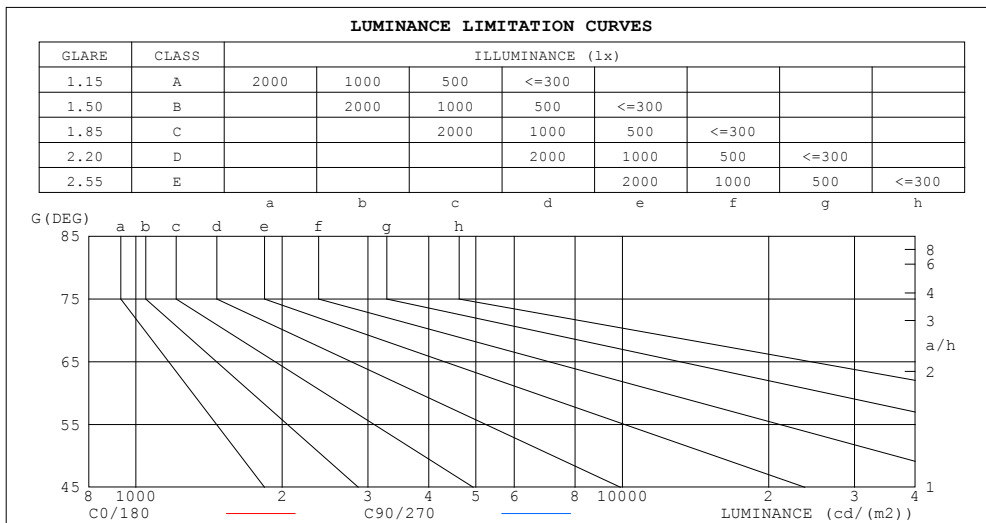
%lamp = 89.3%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	52047	53063
80	73391	73451
75	84999	86323
70	94444	94891
65	108032	108598
60	132794	133367
55	167415	166184
50	210328	206382
45	256334	251136

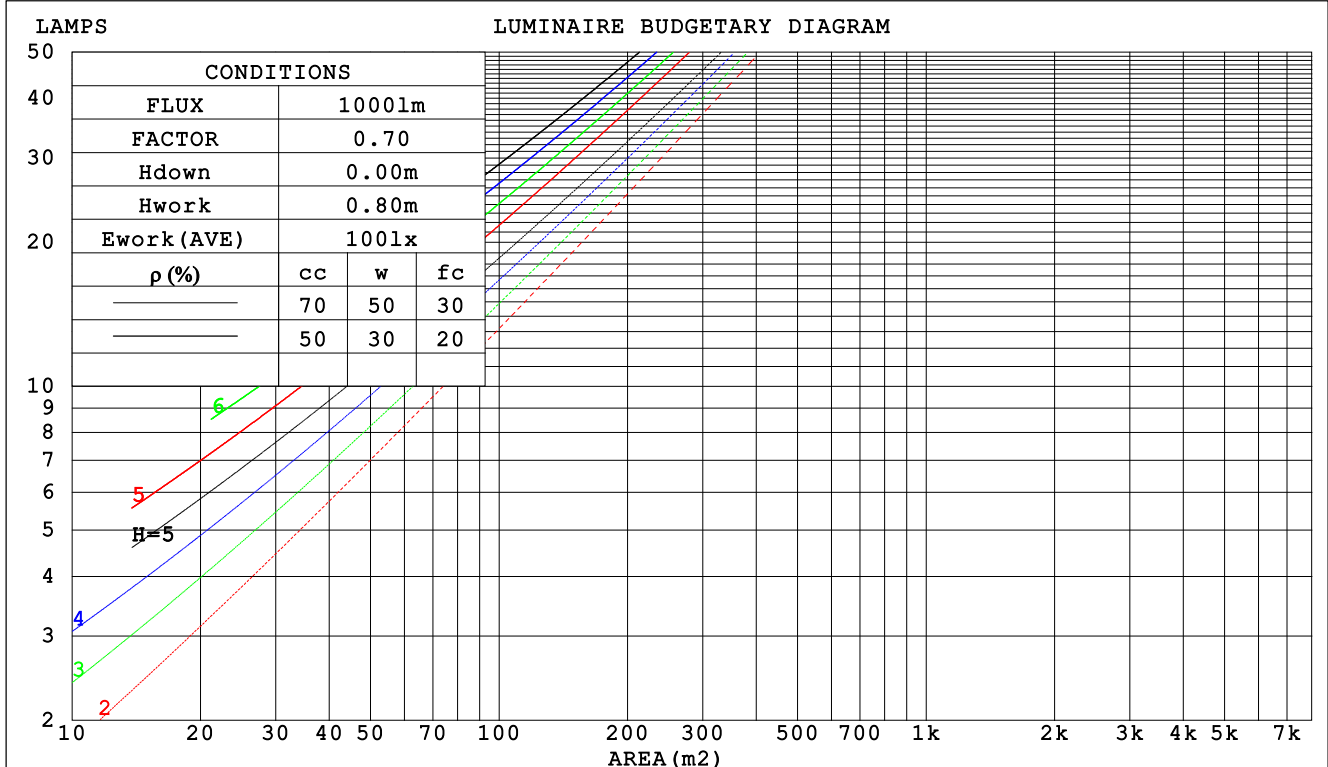
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.07	1.04	1.01	1.04	1.01	.99	.90	.97	.95	.96	.94	.92	.92	.90	.89	.87
2.0	.96	.91	.86	.94	.89	.85	.90	.86	.83	.87	.84	.81	.84	.81	.79	.77
3.0	.87	.80	.75	.85	.79	.74	.82	.77	.73	.79	.75	.71	.77	.73	.70	.68
4.0	.79	.72	.66	.77	.71	.65	.75	.69	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.72	.64	.59	.71	.64	.58	.69	.62	.58	.66	.61	.57	.65	.60	.56	.54
6.0	.66	.58	.53	.65	.58	.53	.63	.57	.52	.61	.56	.51	.60	.55	.51	.49
7.0	.61	.53	.48	.60	.53	.48	.58	.52	.47	.57	.51	.47	.55	.50	.46	.44
8.0	.56	.49	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.51	.46	.42	.41
9.0	.52	.45	.40	.51	.45	.40	.50	.44	.40	.49	.43	.39	.48	.43	.39	.37
10.0	.49	.42	.37	.48	.41	.37	.47	.41	.36	.46	.40	.36	.45	.40	.36	.34



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.: EVERFINE		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						Wall Exitance Coefficients (WEC)											
0.0																		
1.0	.242	.137	.044	.234	.134	.042	.220	.126	.040	.207	.119	.038	.195	.113	.036			
2.0	.231	.127	.039	.225	.124	.038	.213	.118	.037	.201	.113	.035	.191	.108	.034			
3.0	.218	.116	.035	.213	.114	.034	.202	.109	.033	.192	.105	.032	.183	.101	.031			
4.0	.205	.107	.031	.200	.105	.031	.191	.101	.030	.182	.098	.029	.173	.094	.029			
5.0	.193	.098	.028	.188	.097	.028	.180	.094	.028	.172	.091	.027	.165	.088	.026			
6.0	.181	.091	.026	.177	.090	.026	.170	.087	.025	.163	.085	.025	.156	.082	.024			
7.0	.171	.085	.024	.167	.083	.024	.161	.081	.023	.154	.079	.023	.148	.077	.023			
8.0	.162	.079	.022	.158	.078	.022	.152	.076	.022	.146	.074	.021	.141	.072	.021			
9.0	.153	.074	.021	.150	.073	.021	.144	.071	.020	.139	.070	.020	.134	.068	.020			
10.0	.145	.070	.019	.142	.069	.019	.137	.067	.019	.133	.066	.019	.128	.064	.018			

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.192	.174	.157	.165	.149	.135	.113	.103	.093	.065	.059	.054	.021	.019	.018	
2.0	.181	.149	.122	.155	.128	.106	.106	.089	.074	.061	.052	.043	.020	.017	.014	
3.0	.172	.131	.099	.147	.113	.086	.101	.079	.060	.058	.046	.035	.019	.015	.012	
4.0	.163	.117	.082	.140	.101	.071	.096	.071	.050	.056	.041	.030	.018	.013	.010	
5.0	.156	.106	.070	.134	.092	.061	.092	.064	.043	.053	.038	.025	.017	.012	.008	
6.0	.149	.098	.061	.128	.085	.053	.088	.059	.038	.051	.035	.022	.016	.011	.007	
7.0	.142	.091	.054	.122	.078	.047	.085	.055	.034	.049	.032	.020	.016	.011	.007	
8.0	.136	.085	.049	.117	.073	.043	.081	.052	.030	.047	.030	.018	.015	.010	.006	
9.0	.131	.080	.045	.113	.069	.039	.078	.049	.028	.045	.029	.017	.015	.009	.006	
10.0	.126	.075	.042	.108	.065	.036	.075	.046	.026	.044	.027	.015	.014	.009	.005	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm											
NAME:					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: EVERFINE					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	2H	29.3	30.6	29.6	30.8	31.0	29.3	30.5	29.6	30.7	31.0
	3H	29.9	31.0	30.2	31.3	31.5	29.8	31.0	30.1	31.2	31.5
	4H	30.1	31.2	30.4	31.5	31.7	30.1	31.2	30.4	31.4	31.7
	6H	30.3	31.3	30.6	31.6	31.9	30.2	31.2	30.6	31.5	31.8
	8H	30.3	31.3	30.7	31.6	31.9	30.3	31.2	30.6	31.5	31.9
	12H	30.3	31.2	30.7	31.5	31.9	30.3	31.2	30.6	31.5	31.9
4H	2H	29.5	30.6	29.8	30.9	31.1	29.5	30.5	29.8	30.8	31.1
	3H	30.2	31.1	30.6	31.5	31.8	30.2	31.1	30.6	31.4	31.8
	4H	30.6	31.4	31.0	31.8	32.1	30.5	31.4	30.9	31.7	32.1
	6H	30.8	31.6	31.3	32.0	32.4	30.8	31.6	31.2	31.9	32.3
	8H	30.9	31.6	31.3	32.0	32.4	30.9	31.6	31.3	32.0	32.4
	12H	30.9	31.6	31.4	32.0	32.4	30.9	31.5	31.4	32.0	32.4
8H	4H	30.7	31.4	31.1	31.7	32.2	30.6	31.3	31.1	31.7	32.2
	6H	31.0	31.6	31.5	32.0	32.5	31.0	31.6	31.5	32.0	32.5
	8H	31.2	31.7	31.6	32.1	32.6	31.1	31.6	31.6	32.1	32.6
	12H	31.2	31.6	31.7	32.1	32.6	31.2	31.6	31.7	32.1	32.6
12H	4H	30.6	31.3	31.1	31.7	32.1	30.6	31.3	31.1	31.7	32.1
	6H	31.0	31.5	31.5	32.0	32.5	31.0	31.5	31.5	32.0	32.5
	8H	31.2	31.6	31.7	32.1	32.6	31.2	31.6	31.7	32.1	32.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.6 / - 0.8					+ 0.6 / - 0.7				
1.5H		+ 0.4 / - 0.4					+ 0.4 / - 0.4				
2.0H		+ 1.3 / - 1.1					+ 1.3 / - 1.1				

CIE Pub.117, 91598 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 15.7)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

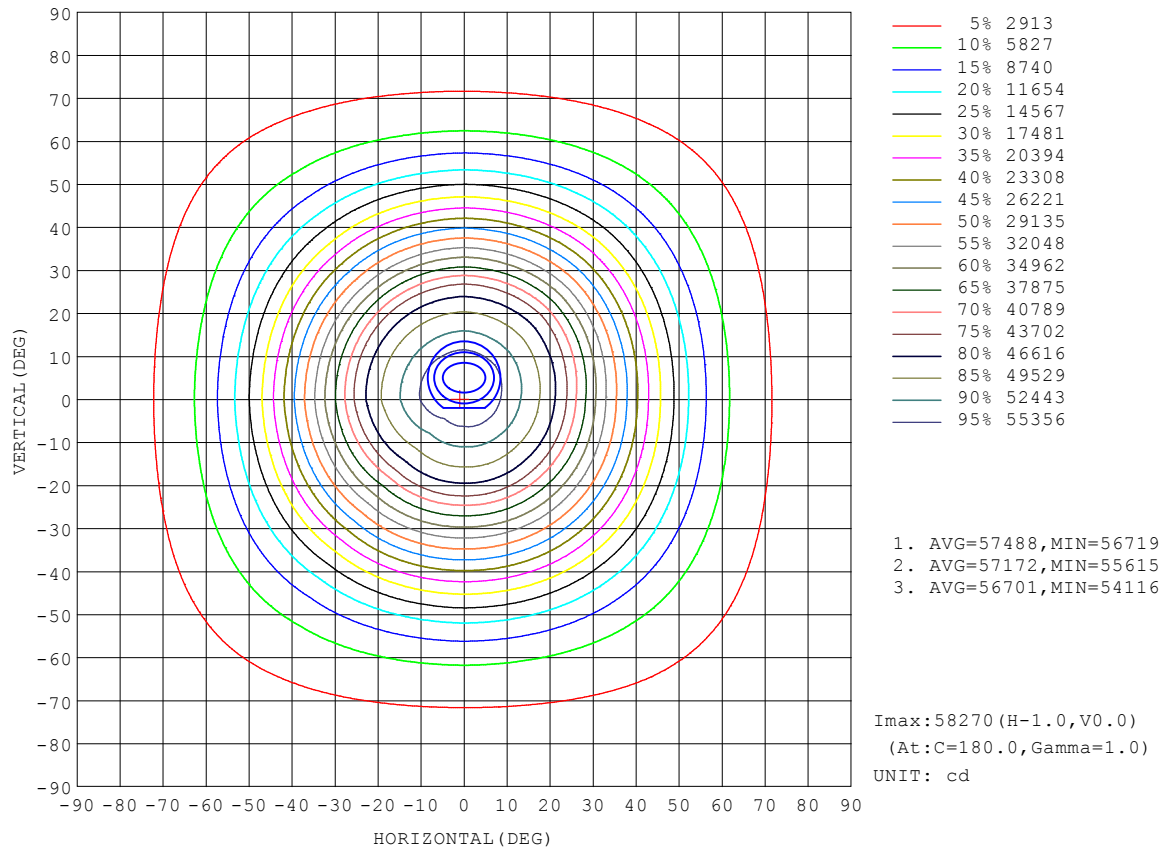
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	54	68	59	54	67	59	53	48
0.80	78	69	63	77	69	63	76	68	63	57
1.00	86	77	71	84	76	71	82	77	70	64
1.25	92	84	78	90	83	78	88	81	77	71
1.50	96	88	83	94	87	82	91	85	81	75
2.00	101	94	89	99	93	89	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	82
3.00	106	101	97	104	99	96	100	96	93	85
4.00	109	105	101	107	103	100	102	99	97	88
5.00	111	107	104	108	105	102	104	101	99	90
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



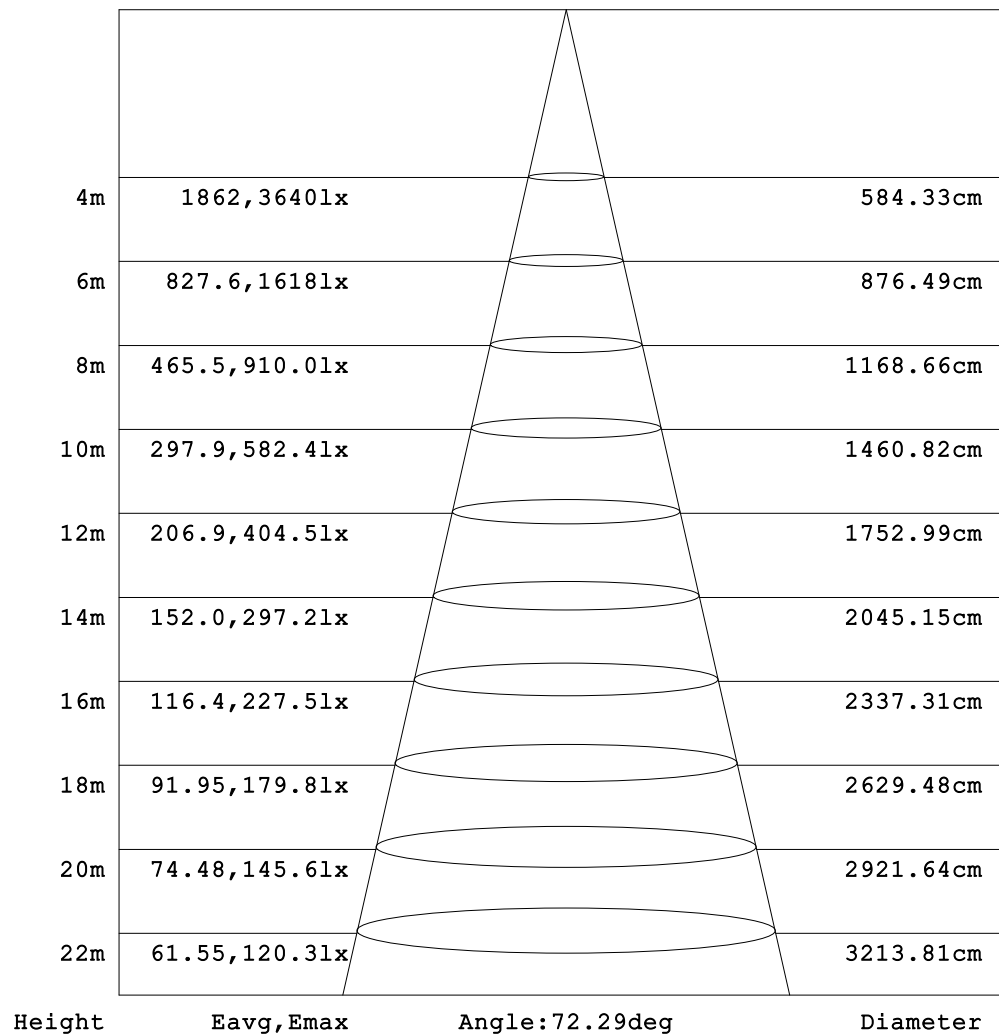
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:53147 lm



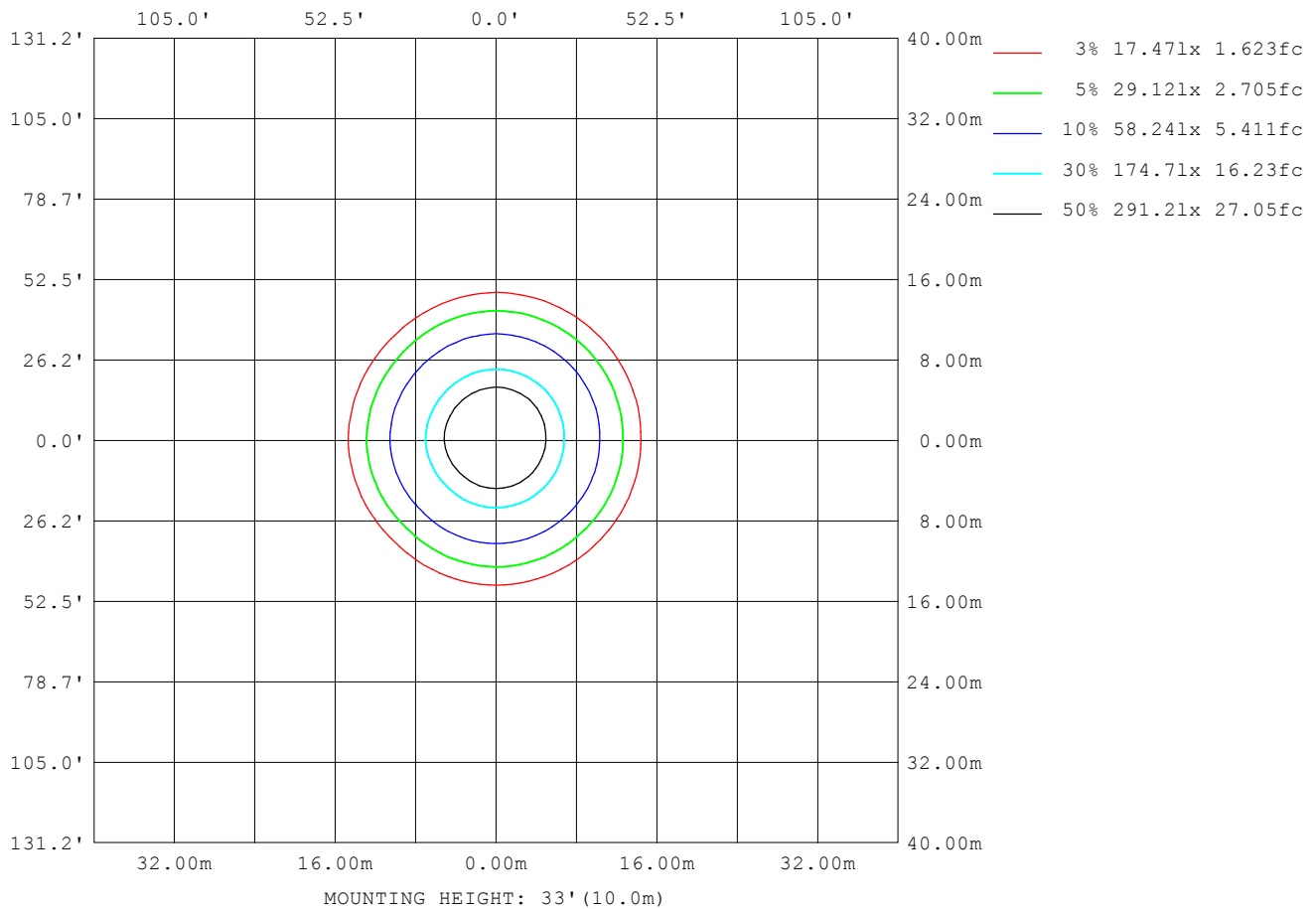
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

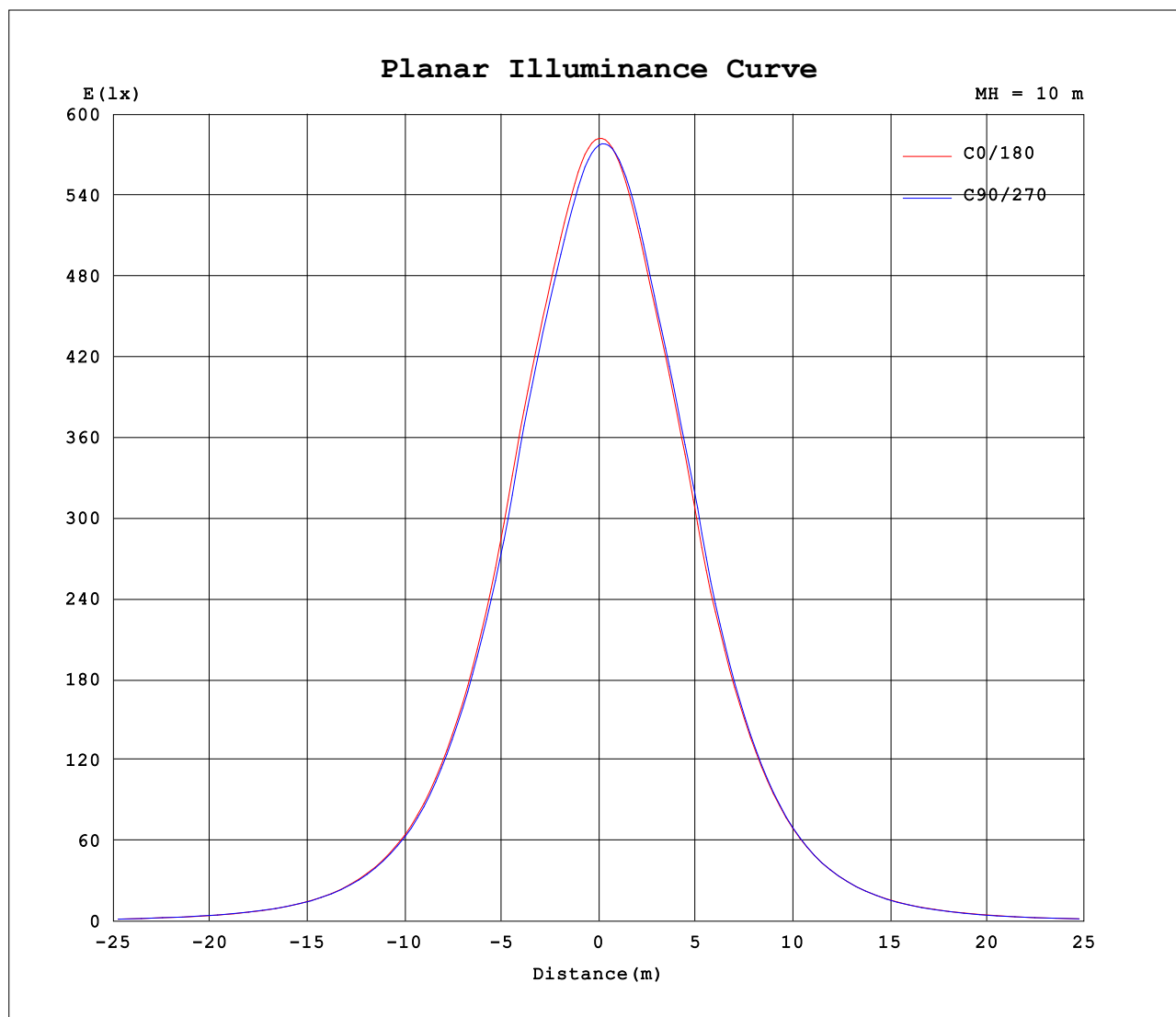
AvgL	cd/m2
L_0~180 (65) av	111815
L_0~180 (75) av	88798
L_0~180 (85) av	58478
L_90~270 (65) av	110294
L_90~270 (75) av	87506
L_90~270 (85) av	57075
L_45 (65) av	108500
L_45 (75) av	87684
L_45 (85) av	58357

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-04-22

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-04-22

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.01V I:2.3462A P:491.64W PF:0.9612 Freq:49.99Hz Lamp Flux:91597.9x1 lm								
NAME:					TYPE:			WEIGHT:
SPEC.:					DIM.:			SERIAL No.:
MFR.: EVERFINE					SUR.:			Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	5824	5799	5774	5757	5824	5799	5774	5757										
5	5712	5648	5605	5607	5772	5783	5778	5744										
10	5442	5354	5308	5320	5553	5601	5620	5568										
15	5123	5038	5000	5010	5233	5272	5309	5251										
20	4759	4654	4618	4637	4898	4940	4978	4923										
25	4216	4076	4027	4066	4444	4508	4561	4508										
30	3569	3499	3461	3494	3775	3813	3899	3839										
35	2962	2905	2889	2901	3173	3145	3238	3177										
40	2372	2326	2310	2309	2561	2513	2595	2545										
45	1813	1780	1776	1751	1964	1905	1978	1938										
50	1352	1312	1327	1288	1454	1397	1454	1424										
55	960	934	953	921	1036	985	1034	1006										
60	664	651	667	651	719	680	708	689										
65	457	453	459	455	489	463	473	463										
70	323	326	325	325	338	323	326	319										
75	220	227	223	226	240	230	230	224										
80	127	132	128	131	143	139	137	136										
85	45.4	48.7	46.2	47.6	56.6	53.8	53.2	53.4										
90	27.7	27.5	27.4	27.3	16.3	16.2	16.1	16.0										
95	25.5	25.3	25.2	25.1	17.3	17.2	17.1	17.1										
100	24.1	24.0	23.9	23.8	18.6	18.5	18.4	18.4										
105	23.8	23.6	23.6	23.5	20.1	20.1	20.0	19.9										
110	24.3	24.2	24.1	24.1	22.2	22.1	22.0	21.9										
115	25.7	25.6	25.6	25.5	24.6	24.5	24.4	24.3										
120	27.8	27.7	27.8	27.7	27.4	27.2	27.0	27.0										
125	30.5	30.6	30.6	30.5	30.3	30.1	30.0	29.9										
130	33.8	33.9	33.9	33.8	33.6	33.4	33.1	33.1										
135	37.3	37.4	37.5	37.3	37.1	36.8	36.6	36.6										
140	41.0	41.2	41.2	41.1	40.6	40.3	40.1	40.2										
145	44.9	45.0	45.0	45.0	44.2	43.9	43.7	43.7										
150	48.7	48.8	48.8	48.8	47.8	47.4	47.3	47.3										
155	52.3	52.4	52.4	52.5	51.2	50.9	50.7	50.8										
160	55.7	55.8	55.8	56.0	54.5	54.2	54.1	54.1										
165	58.8	58.9	58.9	59.0	57.5	57.2	57.2	57.2										
170	61.1	61.1	61.0	61.3	60.0	59.7	59.8	59.8										
175	62.3	62.3	62.2	62.5	61.8	61.5	61.6	61.7										
180	62.5	62.6	62.4	62.7	62.7	62.4	62.6	62.6										

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C Interval: 45.0DEG
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