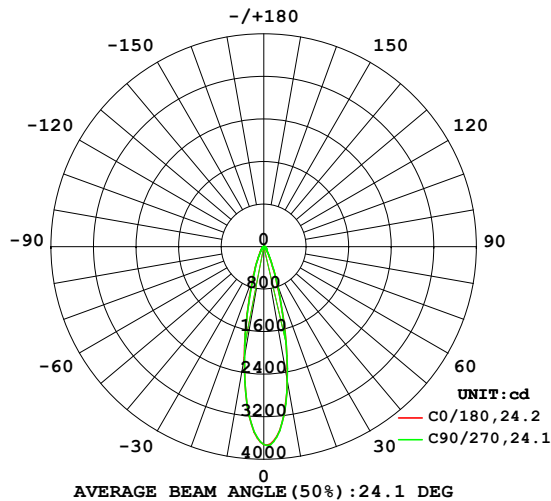


LUMINAIRE PHOTOMETRIC TEST REPORT

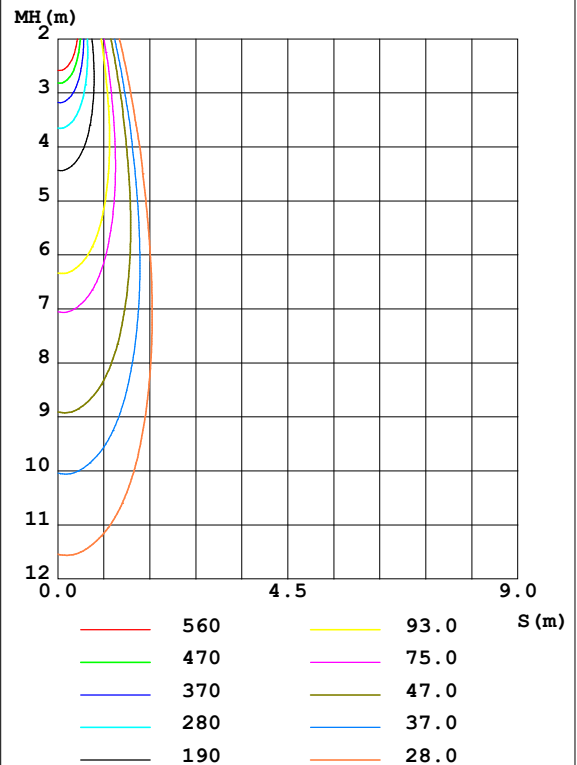
Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.67 lm/W			
MODEL		I _{max} (cd)	3752	S/MH(C0/180)	0.44
NOMINAL POWER(W)	9W	LOR(%)	76.7	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	990.57	η UP,DN(C0-180)	0.2,42.5
NOMINAL FLUX(lm)	1291.45	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,34.0
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120.0	η down(%)	76.5	CIBSE SHR MAX	1.00

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:
Test Date:2025-01-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

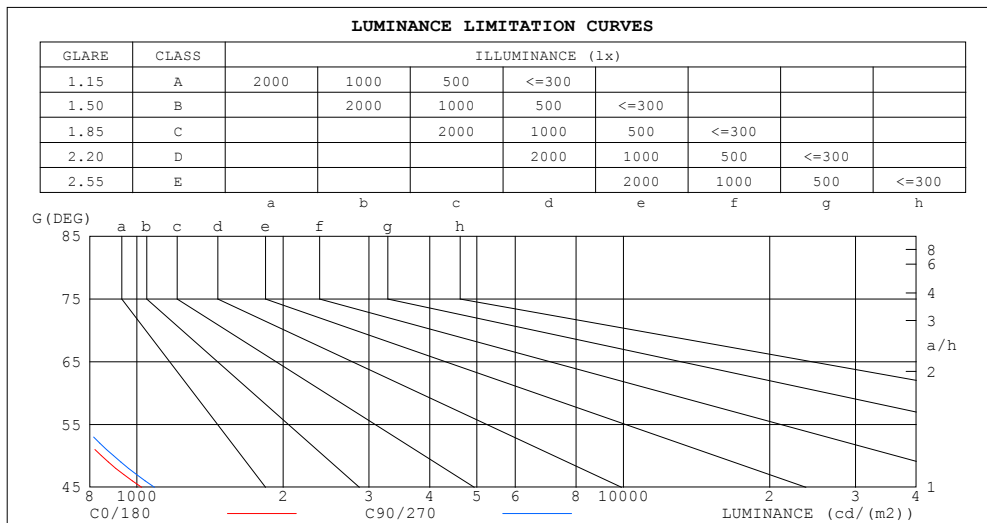
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2551	2638	2563	2681	2117	2010	2108	2069	0- 10	285.6	285.6	28.8,22.1
20	714.6	754.0	747.1	796.8	567.5	540.2	544.9	551.9	10- 20	363.2	648.8	65.5,50.2
30	198.5	206.6	211.6	227.2	175.3	163.0	163.6	160.0	20- 30	162.2	811.0	81.9,62.8
40	79.57	82.16	84.89	88.12	76.31	73.02	70.58	69.23	30- 40	74.87	885.9	89.4,68.6
50	42.49	44.00	45.12	46.55	42.58	41.22	39.57	38.47	40- 50	44.19	930.1	93.9,72
60	24.37	25.41	25.58	26.59	24.08	23.35	22.72	22.04	50- 60	29.05	959.1	96.8,74.3
70	12.82	13.61	13.51	14.28	12.49	12.02	11.81	11.26	60- 70	18.00	977.1	98.6,75.7
80	4.093	4.544	4.472	4.916	3.953	3.808	3.745	3.305	70- 80	8.529	985.7	99.5,76.3
90	0.0785	0.0721	0.1395	0.3808	0	0.0008	0	0	80- 90	1.865	987.5	99.7,76.5
100	0.0096	0.0024	0.0048	0.0000	0	0	0	0	90-100	0.0053	987.5	99.7,76.5
110	0.0434	0.0364	0.0387	0.0316	0	0	0	0	100-110	0.0107	987.5	99.7,76.5
120	0.1110	0.0946	0.0919	0.0923	0.0000	0	0.0121	0.0049	110-120	0.0334	987.6	99.7,76.5
130	0.2485	0.2184	0.2247	0.2236	0.0363	0.0436	0.0558	0.0582	120-130	0.0785	987.7	99.7,76.5
140	0.6537	0.5824	0.5897	0.6223	0.1621	0.1888	0.2157	0.2062	130-140	0.1860	987.8	99.7,76.5
150	2.055	1.864	1.847	2.025	0.5586	0.6055	0.6421	0.6551	140-150	0.4693	988.3	99.8,76.5
160	4.632	4.634	4.535	4.997	1.230	1.309	1.339	1.359	150-160	0.9614	989.3	99.9,76.6
170	4.938	5.407	5.352	5.668	1.771	1.842	1.922	1.939	160-170	0.9731	990.2	100,76.7
180	2.867	3.171	3.248	3.310	2.859	3.156	3.250	3.305	170-180	0.3272	990.6	100,76.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	231	245
80	302	329
75	397	424
70	479	504
65	551	577
60	624	653
55	711	757
50	846	896
45	1023	1088

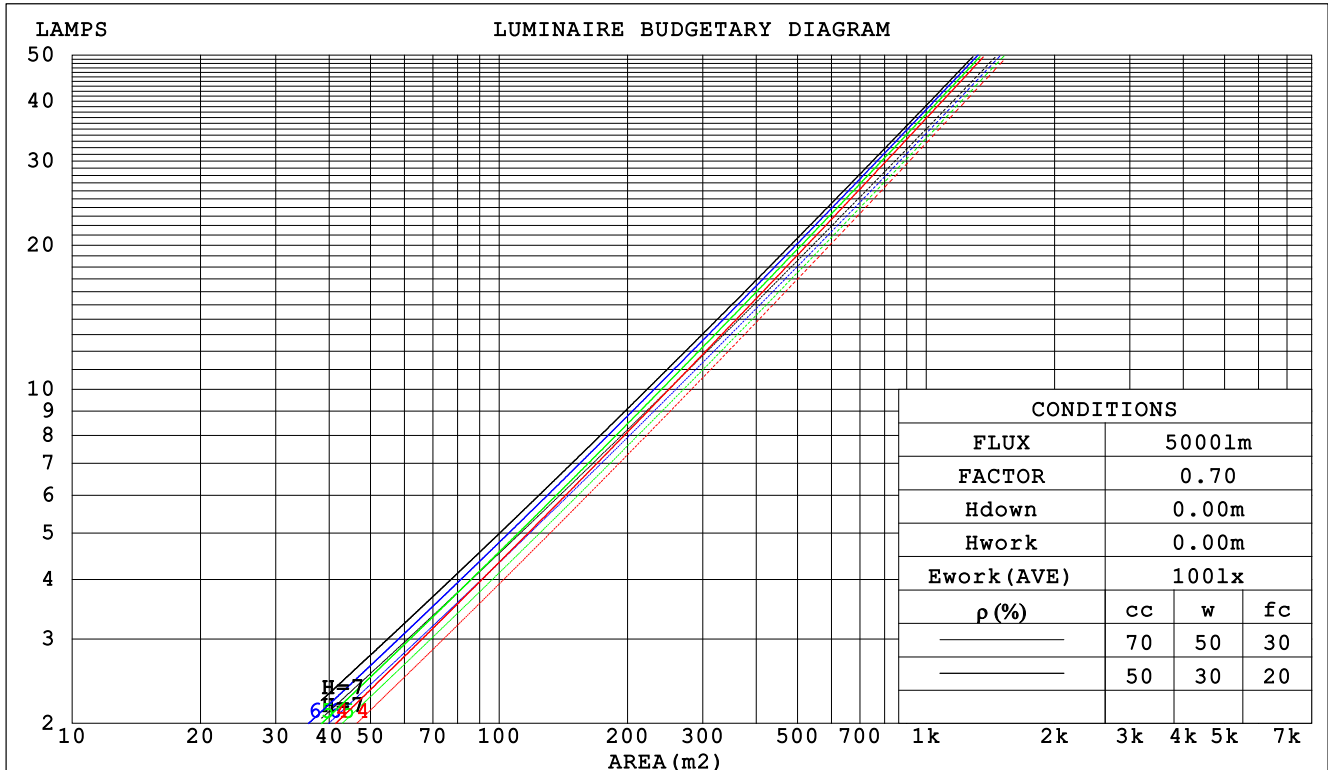
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	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	.91	.91	.91	.89	.89	.89	.85	.85	.85	.81	.81	.81	.78	.78	.78	.76
1.0	.85	.84	.82	.84	.82	.81	.81	.79	.78	.78	.77	.76	.75	.74	.74	.72
2.0	.80	.78	.75	.79	.76	.74	.76	.74	.73	.74	.73	.71	.72	.71	.70	.68
3.0	.76	.72	.70	.75	.72	.69	.73	.70	.68	.71	.69	.67	.69	.67	.66	.65
4.0	.72	.68	.65	.71	.68	.65	.70	.67	.64	.68	.66	.64	.67	.65	.63	.62
5.0	.69	.65	.62	.68	.64	.62	.67	.63	.61	.65	.63	.61	.64	.62	.60	.59
6.0	.66	.62	.59	.65	.61	.59	.64	.61	.58	.63	.60	.58	.62	.59	.58	.57
7.0	.63	.59	.56	.62	.59	.56	.61	.58	.56	.61	.58	.56	.60	.57	.55	.54
8.0	.60	.57	.54	.60	.56	.54	.59	.56	.54	.59	.56	.54	.58	.55	.53	.52
9.0	.58	.55	.52	.58	.54	.52	.57	.54	.52	.57	.54	.52	.56	.53	.51	.51
10.0	.56	.53	.50	.56	.53	.50	.55	.52	.50	.55	.52	.50	.54	.52	.50	.49



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm					
NAME: 3寸筒灯 9W 20度			TYPE:5000K		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	.126	.072	.023	.121	.069	.022	.111	.064	.020	.102	.059	.019	.094	.055	.018		
2.0	.118	.065	.020	.114	.063	.019	.106	.059	.018	.098	.055	.017	.091	.052	.016		
3.0	.111	.059	.018	.107	.057	.017	.100	.054	.016	.094	.051	.016	.088	.049	.015		
4.0	.104	.054	.016	.101	.053	.016	.095	.050	.015	.089	.048	.014	.084	.046	.014		
5.0	.097	.050	.014	.095	.049	.014	.090	.047	.014	.085	.045	.013	.081	.043	.013		
6.0	.092	.046	.013	.090	.045	.013	.085	.044	.013	.081	.042	.012	.077	.041	.012		
7.0	.087	.043	.012	.085	.042	.012	.081	.041	.012	.077	.040	.012	.074	.038	.011		
8.0	.083	.040	.011	.081	.040	.011	.077	.039	.011	.074	.038	.011	.071	.036	.011		
9.0	.079	.038	.011	.077	.037	.011	.074	.037	.010	.071	.036	.010	.068	.035	.010		
10.0	.075	.036	.010	.073	.035	.010	.071	.035	.010	.068	.034	.010	.066	.033	.009		

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	.148	.148	.148	.126	.126	.126	.086	.086	.086	.050	.050	.050	.016	.016	.016	
1.0	.132	.123	.114	.113	.105	.098	.077	.072	.068	.045	.042	.039	.014	.013	.013	
2.0	.120	.104	.090	.103	.089	.078	.070	.062	.054	.041	.036	.032	.013	.012	.010	
3.0	.109	.089	.072	.094	.077	.063	.064	.053	.044	.037	.031	.026	.012	.010	.009	
4.0	.101	.077	.060	.086	.067	.052	.059	.047	.036	.034	.027	.022	.011	.009	.007	
5.0	.093	.068	.050	.080	.059	.043	.055	.041	.031	.032	.024	.018	.010	.008	.006	
6.0	.087	.061	.042	.074	.053	.037	.051	.037	.026	.030	.022	.015	.010	.007	.005	
7.0	.081	.055	.036	.070	.047	.032	.048	.033	.022	.028	.020	.013	.009	.006	.004	
8.0	.076	.050	.032	.065	.043	.027	.045	.030	.019	.026	.018	.012	.009	.006	.004	
9.0	.072	.045	.028	.062	.039	.024	.043	.028	.017	.025	.016	.010	.008	.005	.003	
10.0	.068	.042	.025	.059	.036	.021	.041	.026	.015	.024	.015	.009	.008	.005	.003	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.0000]
 Remarks:

```

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

```

UTILIZATION FACTORS TABLE

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

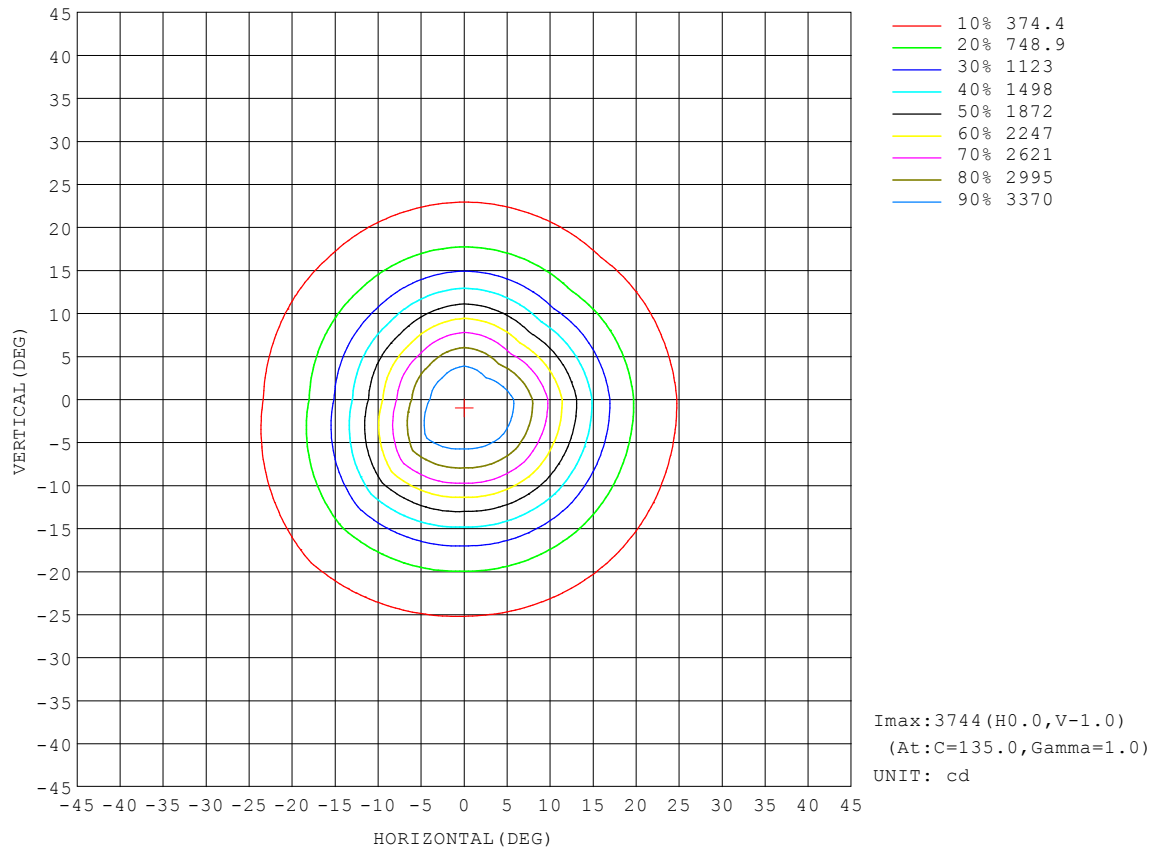
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	60	57	65	60	57	64	60	57	54
0.80	71	66	63	70	66	63	69	65	63	60
1.00	75	70	67	74	70	67	73	70	66	63
1.25	78	74	71	77	73	70	75	72	70	66
1.50	80	76	73	79	76	73	77	74	72	68
2.00	82	79	76	81	78	76	79	76	74	70
2.50	84	81	78	82	80	77	80	78	76	71
3.00	85	82	80	84	81	79	81	79	77	72
4.00	87	84	83	85	83	82	82	81	79	74
5.00	88	86	84	86	85	83	83	82	81	75
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:
Test Date:2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

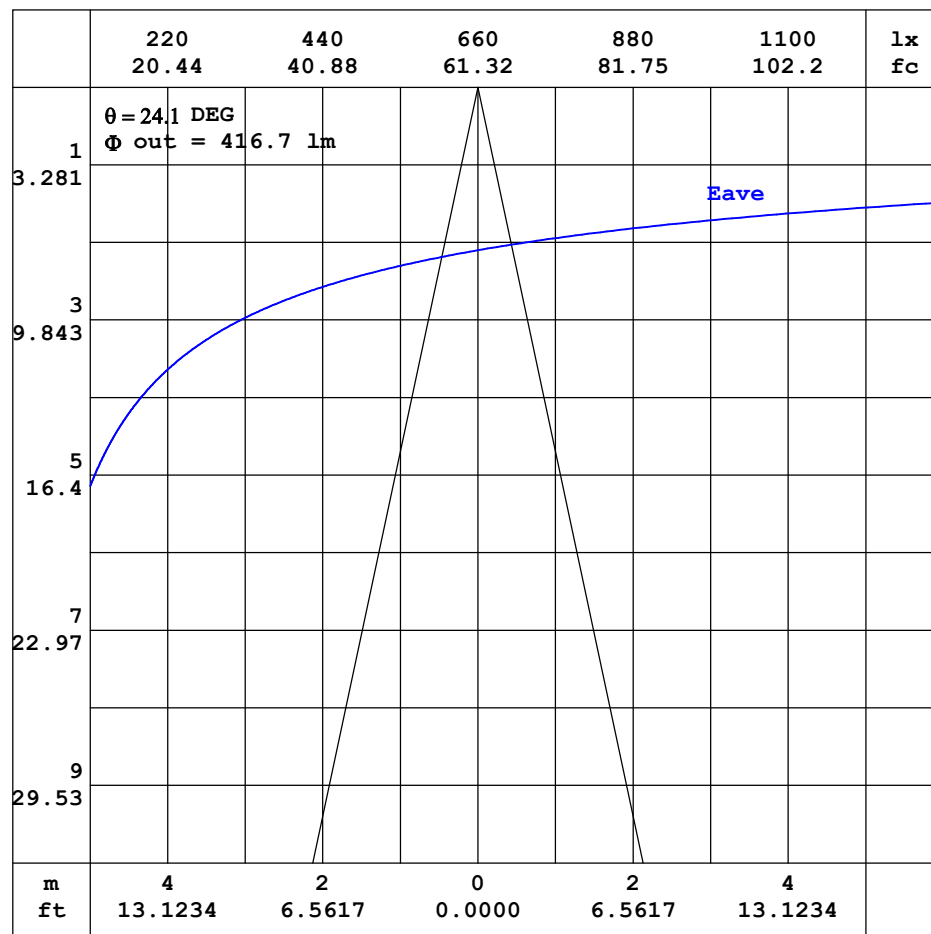


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



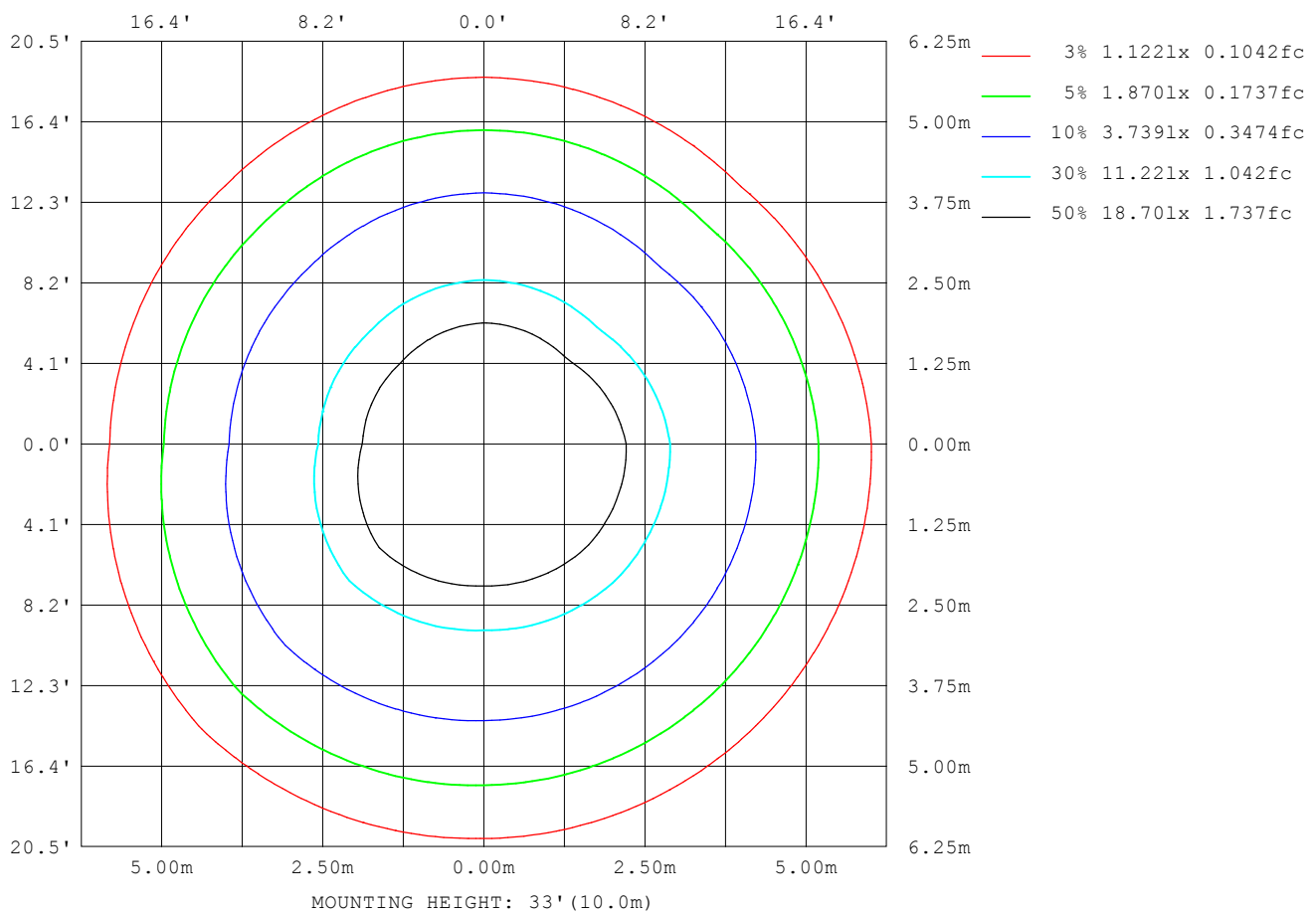
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	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:
Test Date:2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

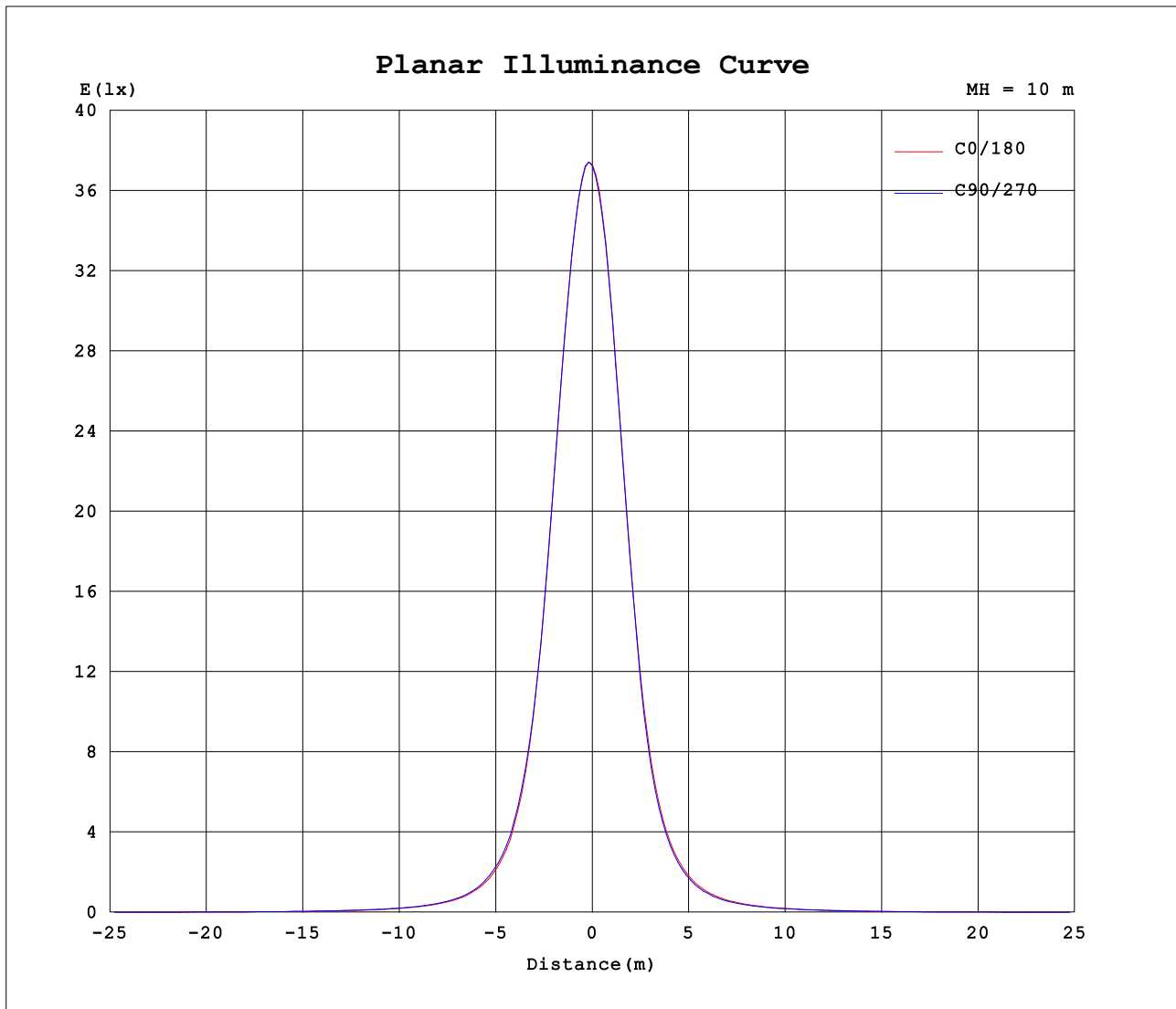
AvgL	cd/m2
L_0~180 (65) av	544
L_0~180 (75) av	388
L_0~180 (85) av	212
L_90~270 (65) av	543
L_90~270 (75) av	390
L_90~270 (85) av	217
L_45 (65) av	548
L_45 (75) av	394
L_45 (85) av	220

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 7.540m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.7V I:0.0910A P:9.200W PF:0.8350 Freq:60.00Hz Lamp Flux:1291.45x1 lm		
NAME: 3寸筒灯 9W 20度	TYPE:5000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	3720	3720	3720	3720	3720	3720	3720	3720										
5	3464	3517	3475	3542	3193	3127	3184	3144										
10	2551	2638	2563	2681	2117	2010	2108	2069										
15	1468	1536	1463	1580	1137	1061	1104	1088										
20	715	754	747	797	567	540	545	552										
25	360	377	384	413	306	281	289	284										
30	199	207	212	227	175	163	164	160										
35	120	123	127	134	111	105	102	100										
40	79.6	82.2	84.9	88.1	76.3	73.0	70.6	69.2										
45	56.5	58.2	60.3	62.7	56.1	54.0	51.5	50.3										
50	42.5	44.0	45.1	46.6	42.6	41.2	39.6	38.5										
55	31.9	33.1	34.0	35.8	32.0	31.0	29.8	29.0										
60	24.4	25.4	25.6	26.6	24.1	23.3	22.7	22.0										
65	18.2	19.1	19.1	19.9	17.9	17.3	16.9	16.3										
70	12.8	13.6	13.5	14.3	12.5	12.0	11.8	11.3										
75	8.04	8.68	8.59	9.26	7.71	7.37	7.25	6.71										
80	4.09	4.54	4.47	4.92	3.95	3.81	3.74	3.30										
85	1.58	1.55	1.68	2.01	1.32	1.50	1.29	0.95										
90	0.08	0.07	0.14	0.38	0.00	0.00	0.00	0.00										
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
100	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00										
105	0.02	0.01	0.02	0.02	0.00	0.00	0.00	0.00										
110	0.04	0.04	0.04	0.03	0.00	0.00	0.00	0.00										
115	0.08	0.06	0.06	0.06	0.00	0.00	0.00	0.00										
120	0.11	0.09	0.09	0.09	0.00	0.00	0.01	0.00										
125	0.17	0.14	0.14	0.15	0.01	0.01	0.03	0.03										
130	0.25	0.22	0.22	0.22	0.04	0.04	0.06	0.06										
135	0.40	0.35	0.36	0.36	0.08	0.09	0.11	0.11										
140	0.65	0.58	0.59	0.62	0.16	0.19	0.22	0.21										
145	1.16	1.03	1.05	1.11	0.31	0.36	0.39	0.39										
150	2.06	1.86	1.85	2.02	0.56	0.61	0.64	0.66										
155	3.37	3.17	3.08	3.45	0.90	0.98	1.02	1.04										
160	4.63	4.63	4.53	5.00	1.23	1.31	1.34	1.36										
165	5.24	5.51	5.42	5.87	1.52	1.57	1.61	1.64										
170	4.94	5.41	5.35	5.67	1.77	1.84	1.92	1.94										
175	3.92	4.41	4.42	4.58	2.17	2.30	2.40	2.41										
180	2.87	3.17	3.25	3.31	2.86	3.16	3.25	3.30										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks: