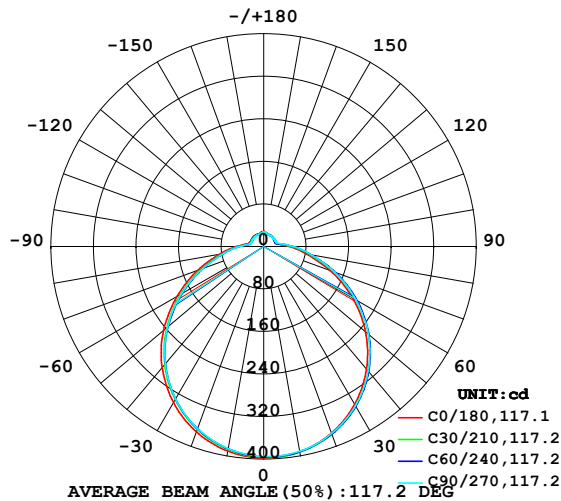


LUMINAIRE PHOTOMETRIC TEST REPORT

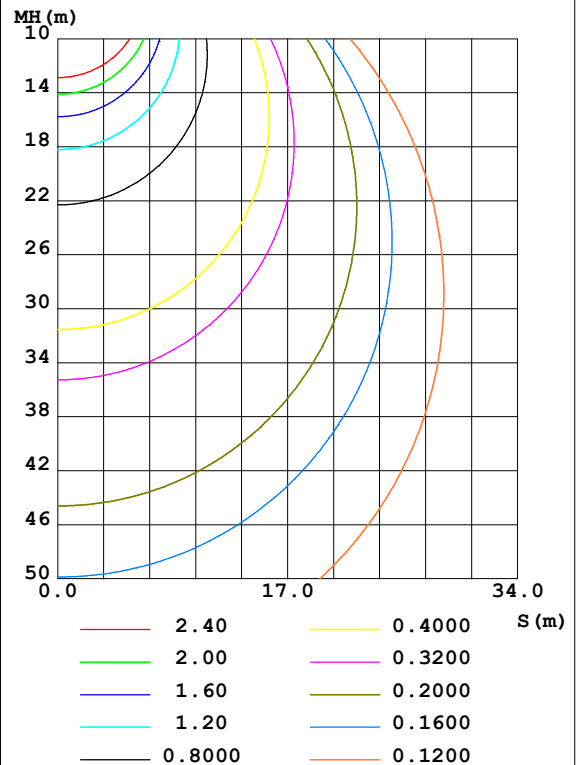
Test:U:120.6V I:0.2100A P:24.90W PF:0.9830 Freq:60.00Hz Lamp Flux:1427.89x1 lm		
NAME: Alpine-17-26W-95C-MVUD-BL (白色底板, 高透灯罩TYPE整灯 3000K	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.34 lm/W			
MODEL		Imax(cd)	397.9	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1427.9	η UP,DN(C0-180)	6.0,44.9
NOMINAL FLUX(lm)	1427.89	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.0,43.1
LAMPS INSIDE	1	η up(%)	11.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	88.1	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [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	392.0	392.3	391.1	387.0	390.7	387.0	386.1	387.8	0- 10	37.44	37.44	2.62,2.62
20	373.3	375.5	374.3	367.6	370.9	365.4	364.4	369.1	10- 20	107.6	145.0	10.2,10.2
30	342.5	346.7	345.5	336.4	339.2	332.3	331.4	338.4	20- 30	164.0	309.0	21.6,21.6
40	300.9	306.9	305.9	294.7	297.2	288.8	287.9	297.1	30- 40	199.8	508.7	35.6,35.6
50	250.0	257.8	257.1	244.6	246.4	236.4	236.2	246.9	40- 50	210.6	719.3	50.4,50.4
60	192.9	201.1	200.1	187.8	188.6	179.1	179.0	189.6	50- 60	195.4	914.7	64.1,64.1
70	133.7	142.5	142.4	131.2	132.5	123.2	121.8	131.6	60- 70	159.2	1074	75.2,75.2
80	82.13	89.47	90.98	83.26	84.28	77.37	76.18	82.03	70- 80	112.1	1186	83.1,83.1
90	48.07	53.89	55.11	50.35	51.38	46.13	45.36	48.85	80- 90	71.49	1257	88.1,88.1
100	27.80	29.50	31.99	29.19	31.04	27.16	27.56	26.09	90-100	41.56	1299	91,91
110	23.48	23.14	24.41	24.23	26.92	25.69	25.02	22.81	100-110	26.89	1326	92.9,92.9
120	23.52	23.41	24.15	24.27	26.74	25.91	25.03	23.13	110-120	24.11	1350	94.5,94.5
130	24.11	24.10	24.37	24.63	26.97	26.37	25.37	23.86	120-130	22.11	1372	96.1,96.1
140	24.61	24.60	24.28	24.63	26.76	26.30	25.23	24.20	130-140	19.37	1392	97.5,97.5
150	24.61	24.62	23.91	24.07	26.27	25.65	24.97	24.02	140-150	15.64	1407	98.5,98.5
160	24.61	24.04	23.78	23.12	25.77	24.39	24.52	23.25	150-160	11.30	1418	99.3,99.3
170	26.46	25.64	25.88	25.27	27.53	26.09	26.10	24.93	160-170	6.899	1425	99.8,99.8
180	28.44	27.08	27.59	26.45	28.53	27.08	27.54	26.46	170-180	2.519	1428	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 614.33 lm

%lum = 43.0%

%lamp = 43.0%

Conical surface Flux(120deg): 914.71 lm

%lum = 64.1%

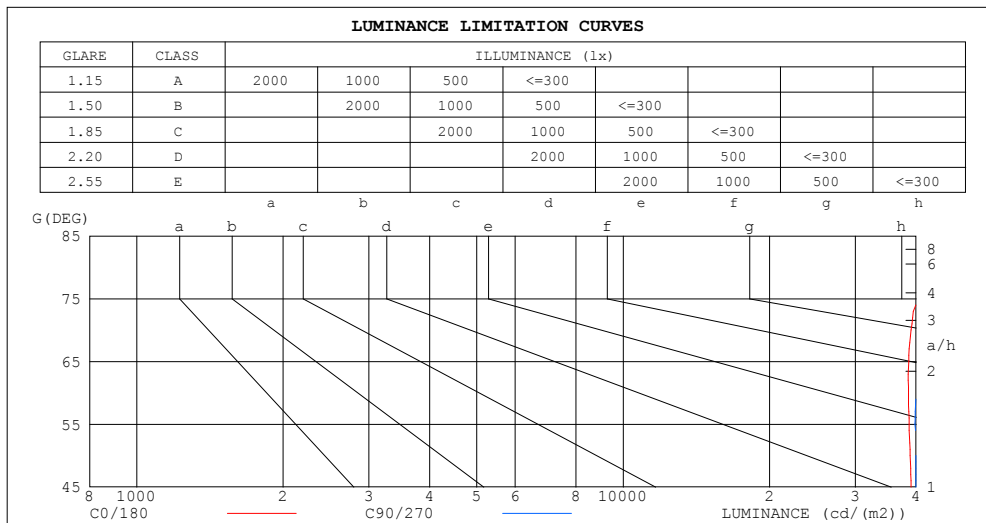
%lamp = 64.1%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.6V I:0.2100A P:24.90W PF:0.9830 Freq:60.00Hz Lamp Flux:1427.89x1 lm		
NAME: Alpine-17-26W-95C-MVUD-BL (白色底板, 高透灯罩TYPE整灯 3000K	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	73136	82105
80	47297	52393
75	40463	44380
70	39097	41627
65	38634	40507
60	38587	40026
55	38722	39797
50	38897	39992
45	39098	39952

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.6V I:0.2100A P:24.90W PF:0.9830 Freq:60.00Hz Lamp Flux:1427.89x1 lm		
NAME: Alpine-17-26W-95C-MVUD-BL (白色底板, 高透灯罩TYPE整灯 3000K	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	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	.348	.198	.063	.337	.192	.061	.317	.182	.058	.298	.172	.055	.281	.163	.053		
2.0	.311	.170	.052	.301	.166	.051	.283	.158	.049	.267	.150	.047	.251	.142	.045		
3.0	.281	.150	.045	.273	.146	.044	.256	.139	.042	.241	.132	.041	.227	.126	.039		
4.0	.256	.133	.039	.248	.130	.038	.234	.124	.037	.220	.118	.036	.207	.113	.034		
5.0	.235	.120	.035	.228	.117	.034	.214	.112	.033	.202	.107	.032	.190	.102	.031		
6.0	.216	.108	.031	.210	.106	.031	.198	.101	.029	.187	.097	.028	.176	.093	.028		
7.0	.200	.099	.028	.195	.097	.028	.184	.093	.027	.173	.089	.026	.164	.085	.025		
8.0	.187	.091	.026	.181	.089	.025	.171	.086	.024	.162	.082	.024	.153	.078	.023		
9.0	.174	.084	.024	.170	.083	.023	.160	.079	.022	.152	.076	.022	.143	.073	.021		
10.0	.164	.078	.022	.159	.077	.021	.151	.074	.021	.143	.071	.020	.135	.068	.019		

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	.281	.281	.281	.240	.240	.240	.164	.164	.164	.094	.094	.094	.030	.030	.030	
1.0	.275	.247	.223	.235	.212	.192	.161	.146	.133	.093	.085	.077	.030	.027	.025	
2.0	.267	.224	.188	.229	.193	.162	.157	.133	.113	.090	.078	.066	.029	.025	.022	
3.0	.259	.207	.165	.222	.179	.143	.153	.124	.101	.088	.073	.059	.028	.024	.019	
4.0	.252	.194	.150	.216	.168	.131	.149	.117	.092	.086	.069	.054	.028	.022	.018	
5.0	.244	.184	.140	.210	.159	.122	.144	.111	.086	.084	.065	.051	.027	.021	.017	
6.0	.237	.176	.133	.204	.153	.115	.141	.107	.082	.082	.063	.049	.026	.021	.016	
7.0	.230	.169	.127	.198	.147	.111	.137	.103	.078	.079	.061	.047	.026	.020	.015	
8.0	.224	.164	.123	.192	.142	.107	.133	.100	.076	.077	.059	.045	.025	.019	.015	
9.0	.217	.159	.120	.187	.138	.104	.130	.097	.074	.076	.057	.044	.024	.019	.015	
10.0	.212	.155	.117	.182	.134	.102	.127	.095	.072	.074	.056	.043	.024	.018	.014	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.6V I:0.2100A P:24.90W PF:0.9830 Freq:60.00Hz Lamp Flux:1427.89x1 lm											
NAME: Alpine-17-26W-95C-MVUD-BL (白色底板, 高透灯罩)TYPE:射灯 3000K							WEIGHT:				
SPEC.:					DIM.:			SERIAL No.:			
MFR.: 革星					SUR.:4寸			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	23.8	25.2	24.2	25.6	26.0	23.9	25.3	24.3	25.7	26.1	
	3H	25.5	26.8	26.0	27.3	27.7	25.7	27.0	26.2	27.5	28.0
	4H	26.4	27.6	26.8	28.0	28.5	26.6	27.9	27.1	28.3	28.8
	6H	27.2	28.3	27.7	28.8	29.3	27.5	28.7	28.0	29.2	29.7
	8H	27.6	28.7	28.1	29.2	29.8	28.0	29.1	28.5	29.6	30.2
	12H	28.1	29.2	28.6	29.7	30.2	28.6	29.6	29.1	30.1	30.7
4H	2H	24.4	25.7	24.9	26.1	26.6	24.5	25.8	25.0	26.2	26.7
	3H	26.4	27.5	26.9	28.0	28.6	26.6	27.7	27.1	28.2	28.7
	4H	27.4	28.4	28.0	28.9	29.5	27.7	28.6	28.2	29.2	29.7
	6H	28.4	29.3	29.0	29.8	30.5	28.7	29.6	29.3	30.2	30.8
	8H	28.9	29.8	29.5	30.3	31.0	29.3	30.1	29.9	30.7	31.3
	12H	29.5	30.3	30.1	30.9	31.5	30.0	30.7	30.6	31.3	32.0
8H	4H	27.8	28.7	28.4	29.2	29.9	28.0	28.9	28.6	29.4	30.1
	6H	29.1	29.8	29.7	30.4	31.1	29.4	30.1	30.0	30.7	31.3
	8H	29.8	30.4	30.4	31.0	31.7	30.1	30.7	30.8	31.4	32.1
	12H	30.6	31.1	31.3	31.8	32.5	31.0	31.5	31.6	32.2	32.9
12H	4H	27.9	28.7	28.5	29.2	29.9	28.1	28.9	28.7	29.4	30.1
	6H	29.3	29.9	29.9	30.5	31.2	29.5	30.1	30.2	30.8	31.5
	8H	30.1	30.6	30.7	31.3	32.0	30.4	30.9	31.0	31.5	32.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117, 1428 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.2$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.2100A P:24.90W PF:0.9830 Freq:60.00Hz Lamp Flux:1427.89x1 lm		
NAME: Alpine-17-26W-95C-MVUD-BL (白色底板, 高透灯罩TYPE整灯 3000K	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

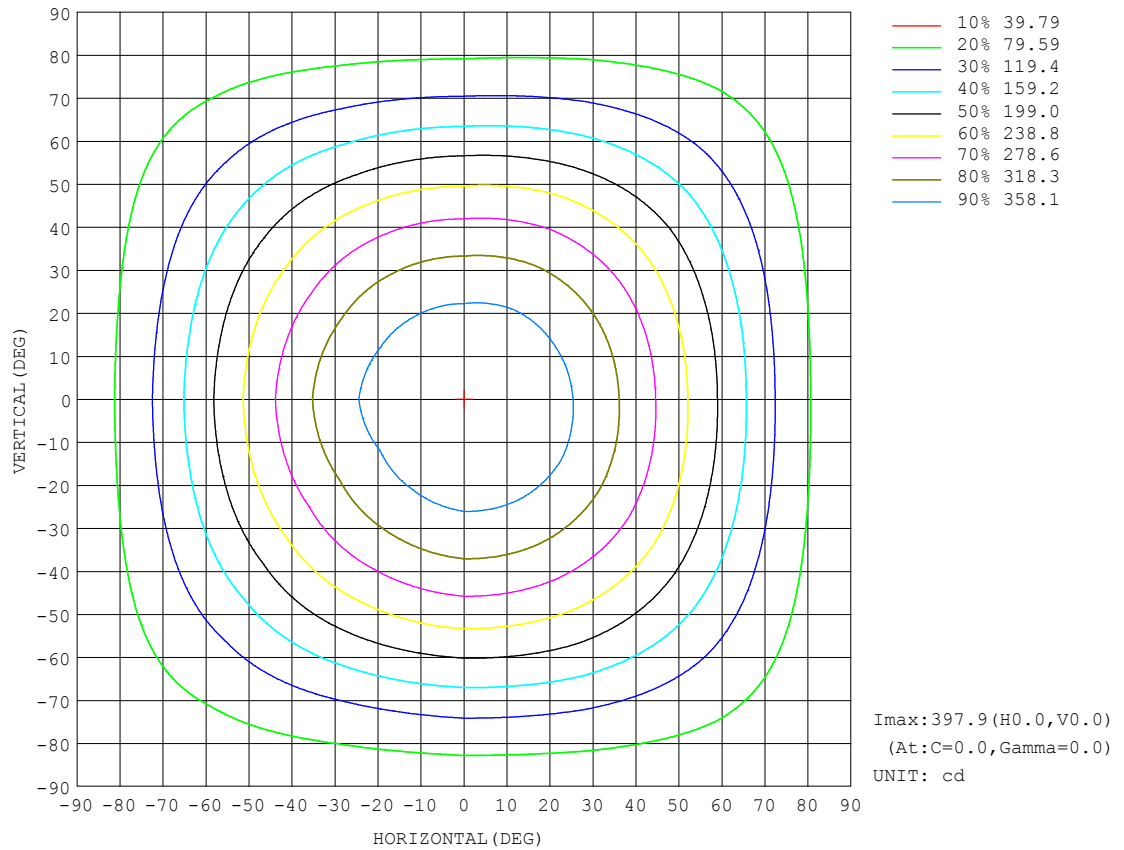
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	51	40	33	49	39	32	26
0.80	62	49	42	60	49	41	58	47	41	33
1.00	70	58	50	68	57	49	65	57	48	40
1.25	77	65	57	74	64	56	71	62	55	46
1.50	82	71	63	79	69	62	75	66	60	50
2.00	89	79	71	86	77	70	81	73	68	57
2.50	93	84	77	90	82	75	84	78	72	61
3.00	96	88	82	93	86	80	87	81	76	65
4.00	101	94	88	97	91	86	91	86	82	69
5.00	103	97	92	100	95	90	93	89	85	72
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.2100A P:24.90W PF:0.9830 Freq:60.00Hz Lamp Flux:1427.89x1 lm		
NAME: Alpine-17-26W-95C-MVUD-BL (白色底板, 高透灯罩TYPE整灯 3000K	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

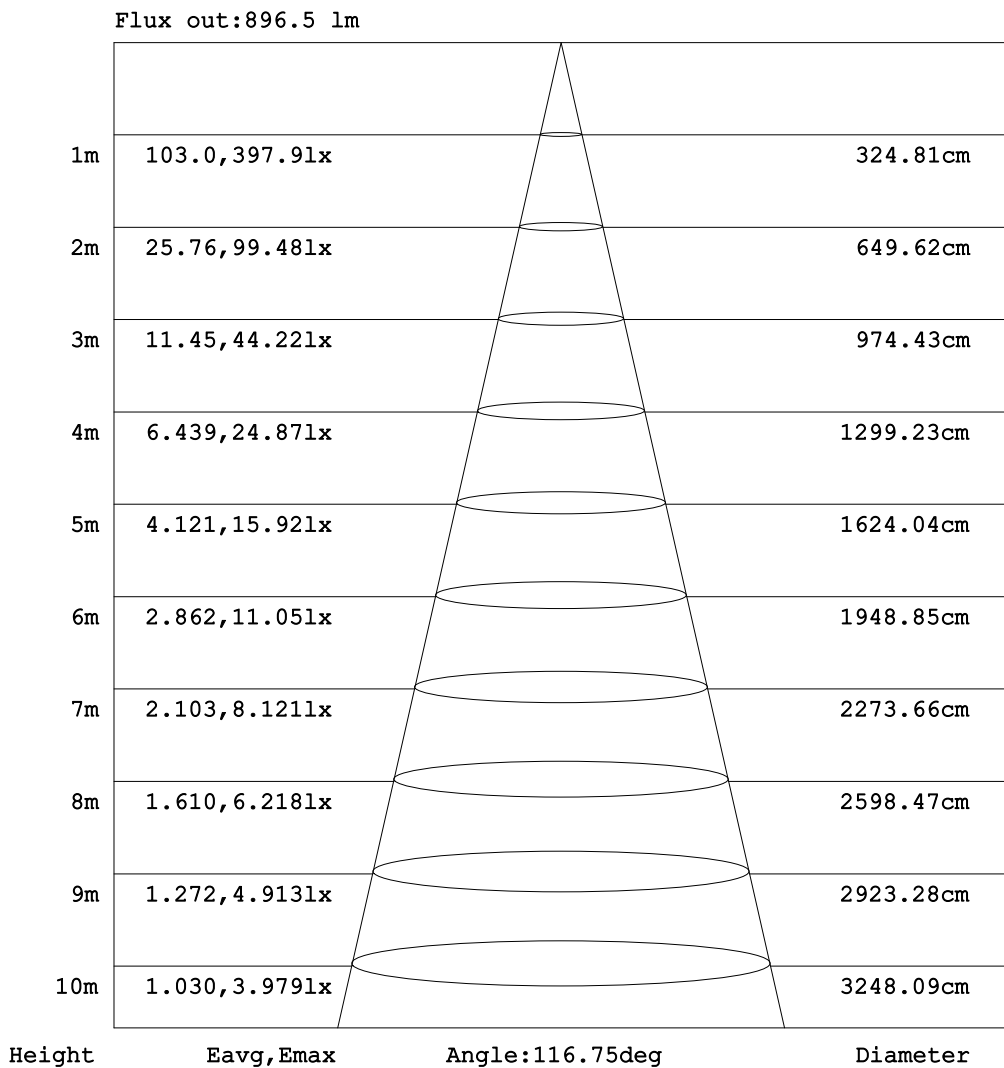


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.6V I:0.2100A P:24.90W PF:0.9830 Freq:60.00Hz Lamp Flux:1427.89x1 lm		
NAME: Alpine-17-26W-95C-MVUD-BL (白色底板, 高透灯罩TYPE整灯 3000K	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

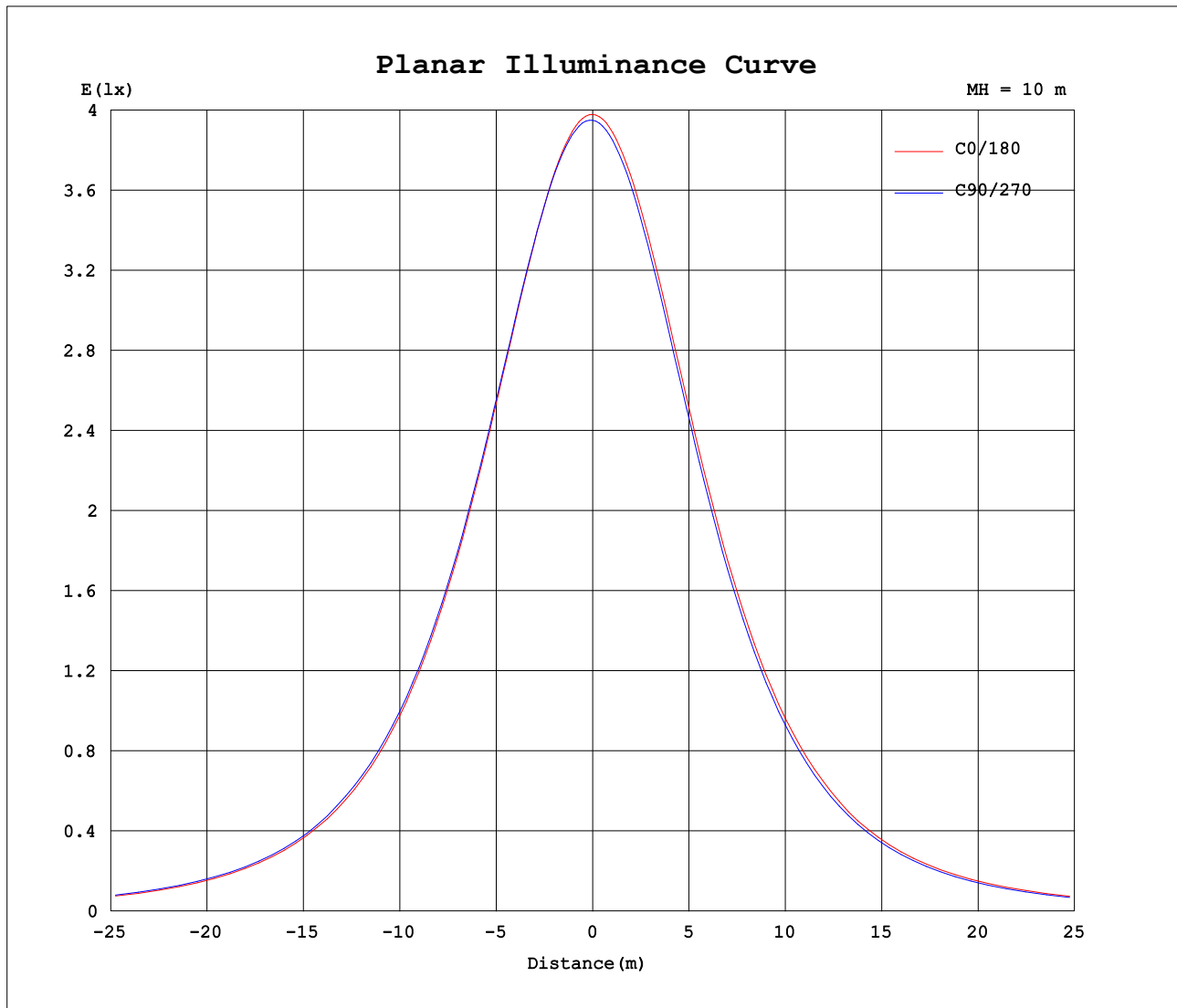


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2025-10-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.750m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.2100A P:24.90W PF:0.9830 Freq:60.00Hz Lamp Flux:1427.89x1 lm		
NAME: Alpine-17-26W-95C-MVUD-BL (白色底板, 高透灯罩TYPE整灯 3000K	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:4寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	398	397	396	395	394	393	398	397	396	395	394	393							
5	397	396	395	395	393	391	396	394	393	392	393	392							
10	392	393	392	391	388	386	391	388	386	386	388	388							
15	384	386	385	384	380	378	382	378	377	377	380	380							
20	373	376	375	374	369	366	371	366	365	364	368	370							
25	359	363	363	361	355	351	356	351	349	349	354	356							
30	343	347	347	346	339	334	339	333	331	331	337	340							
35	323	328	328	327	319	314	319	313	311	311	317	321							
40	301	307	307	306	297	292	297	290	288	288	295	299							
45	276	283	284	283	273	268	273	265	263	263	271	275							
50	250	257	258	257	247	242	246	238	235	236	245	249							
55	222	228	231	228	220	212	217	210	206	208	215	221							
60	193	199	203	200	191	184	189	181	177	179	187	193							
65	163	170	174	171	162	156	160	153	149	150	158	163							
70	134	141	144	142	134	128	132	125	121	122	129	134							
75	105	112	115	115	107	102	106	99.1	96.6	96.4	102	106							
80	82.1	88.2	90.8	91.0	85.0	81.6	84.3	78.5	76.3	76.2	81.0	83.0							
85	63.7	69.2	71.3	71.6	66.6	64.0	66.4	61.1	59.3	59.4	63.5	64.9							
90	48.1	52.9	54.9	55.1	51.2	49.5	51.4	47.0	45.3	45.4	48.5	49.2							
95	36.0	39.8	41.5	41.8	39.1	38.2	39.6	34.6	33.8	34.6	35.3	35.9							
100	27.8	29.1	29.9	32.0	29.7	28.7	31.0	27.5	26.8	27.6	25.9	26.3							
105	24.2	23.7	24.0	26.1	24.9	24.9	27.5	26.3	25.6	25.3	23.2	23.1							
110	23.5	23.1	23.1	24.4	24.2	24.3	26.9	26.0	25.4	25.0	22.9	22.7							
115	23.4	23.2	23.1	24.2	24.1	24.2	26.7	26.0	25.4	24.9	23.1	22.7							
120	23.5	23.5	23.4	24.1	24.1	24.4	26.7	26.2	25.6	25.0	23.4	22.9							
125	23.7	23.8	23.7	24.3	24.3	24.6	26.9	26.4	25.9	25.3	23.7	23.2							
130	24.1	24.2	24.0	24.4	24.5	24.8	27.0	26.5	26.2	25.4	24.1	23.7							
135	24.4	24.6	24.2	24.4	24.7	24.7	26.9	26.5	26.3	25.4	24.2	24.0							
140	24.6	24.8	24.4	24.3	24.7	24.6	26.8	26.4	26.2	25.2	24.3	24.1							
145	24.7	24.9	24.4	24.2	24.5	24.3	26.5	26.2	25.9	25.0	24.2	24.1							
150	24.6	24.9	24.3	23.9	24.2	23.9	26.3	25.8	25.5	25.0	24.0	24.0							
155	24.6	24.9	24.0	23.8	23.8	23.5	26.1	25.2	25.0	24.8	23.7	23.8							
160	24.6	24.6	23.5	23.8	23.4	22.9	25.8	24.5	24.3	24.5	23.1	23.4							
165	24.6	24.0	23.3	23.8	23.1	24.2	26.2	24.9	23.8	24.2	22.7	22.9							
170	26.5	26.3	25.0	25.9	25.6	24.9	27.5	26.0	26.2	26.1	24.7	25.2							
175	27.5	27.4	26.0	26.8	26.3	25.9	28.1	26.8	26.4	27.0	25.8	25.7							
180	28.4	27.5	26.7	27.6	26.5	26.4	28.5	27.4	26.7	27.5	26.5	26.4							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-10-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks: