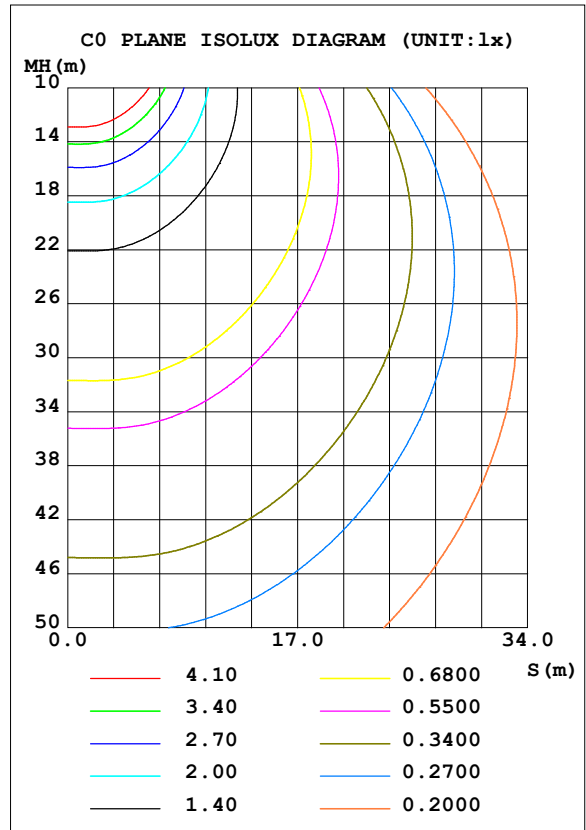
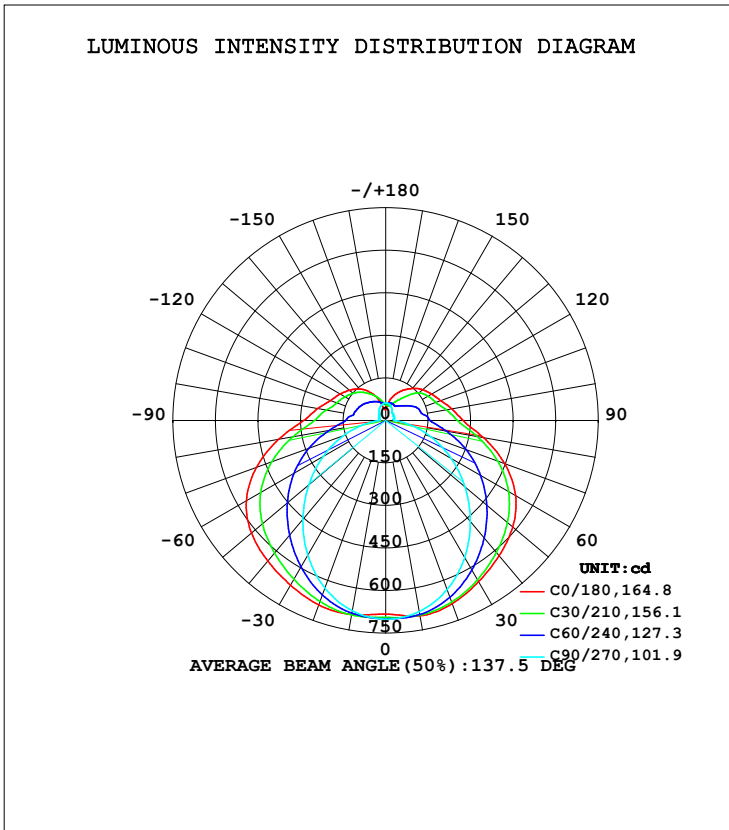


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2860A P:34.10W PF:0.9890 Freq:60.00Hz Lamp Flux:3392.19x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.48 lm/W			
MODEL		I <sub>max</sub> (cd)	700.7	S/MH (C0/180)	1.48
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.17
RATED VOLTAGE (V)		TOTAL FLUX (lm)	3392.2	η UP, DN (C0-180)	11.0, 38.9
NOMINAL FLUX (lm)	3392.19	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.1, 39.0
LAMPS INSIDE	1	η up (%)	22.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	77.9	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-04-19

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	699.5	695.7	684.1	693.6	694.4	692.9	681.4	694.2	0- 10	66.36	66.36	1.96,1.96
20	687.4	672.3	634.1	664.0	692.0	666.8	628.3	664.7	10- 20	192.6	259.0	7.63,7.63
30	656.1	628.6	557.4	613.7	670.9	622.0	549.3	614.9	20- 30	296.3	555.2	16.4,16.4
40	622.5	573.8	464.6	552.7	647.2	568.9	454.5	553.4	30- 40	368.1	923.3	27.2,27.2
50	584.8	513.2	365.4	486.1	618.0	510.2	354.0	485.6	40- 50	406.2	1330	39.2,39.2
60	528.9	443.4	266.6	412.0	567.3	441.2	254.5	410.8	50- 60	409.3	1739	51.3,51.3
70	447.0	361.2	169.9	327.7	485.5	358.1	159.5	327.1	60- 70	374.3	2113	62.3,62.3
80	349.9	273.1	84.74	239.3	382.6	267.0	73.58	240.0	70- 80	305.2	2418	71.3,71.3
90	273.2	205.0	29.69	167.9	288.8	196.3	25.20	178.6	80- 90	224.5	2643	77.9,77.9
100	237.1	175.7	27.70	142.1	244.2	164.9	24.51	154.9	90-100	178.5	2821	83.2,83.2
110	206.4	155.6	31.29	126.0	207.3	146.8	26.55	139.7	100-110	149.6	2971	87.6,87.6
120	187.2	137.7	31.72	116.3	186.6	135.0	28.96	120.9	110-120	126.9	3098	91.3,91.3
130	169.6	116.7	33.36	105.9	166.7	122.1	32.01	100.3	120-130	102.9	3201	94.4,94.4
140	148.0	89.60	36.28	95.11	144.9	108.0	36.48	80.79	130-140	77.74	3278	96.6,96.6
150	123.7	71.09	45.92	83.58	116.7	92.86	46.33	69.80	140-150	54.41	3333	98.2,98.2
160	97.46	62.68	54.08	72.83	82.11	78.79	53.80	63.96	150-160	35.08	3368	99.3,99.3
170	67.99	58.92	60.20	63.82	45.63	65.15	59.76	62.61	160-170	18.71	3387	99.8,99.8
180	39.94	58.44	63.19	60.38	39.99	58.43	63.24	60.37	170-180	5.652	3392	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1123.8 lm

%lum = 33.1%  
%lamp = 33.1%

Conical surface Flux(120deg): 1738.8 lm

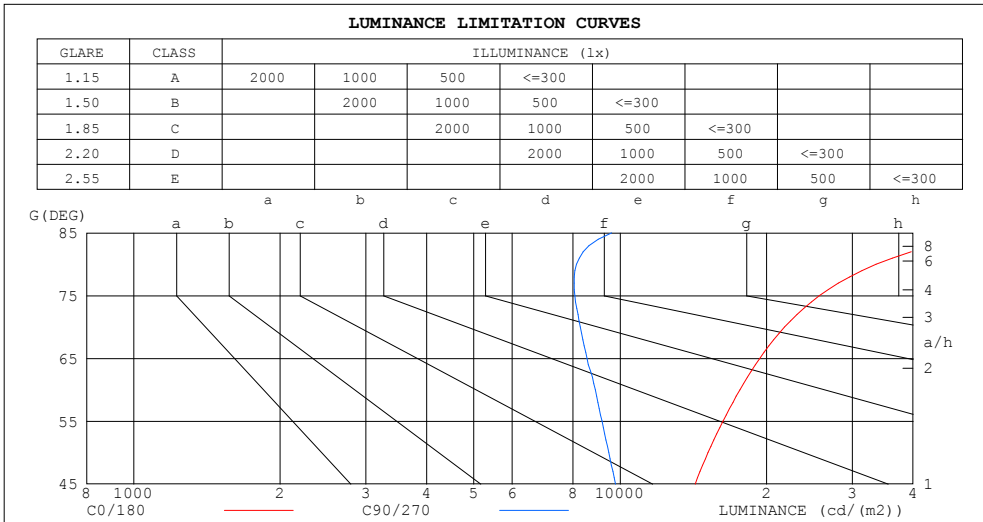
%lum = 51.3%  
%lamp = 51.3%

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2024-04-19

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:120.5V I:0.2860A P:34.10W PF:0.9890 Freq:60.00Hz Lamp Flux:3392.19x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	58192	9603
80	33586	8133
75	25685	8069
70	21785	8279
65	19368	8543
60	17629	8886
55	16272	9173
50	15163	9474
45	14258	9789

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-04-19

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:120.5V I:0.2860A P:34.10W PF:0.9890 Freq:60.00Hz Lamp Flux:3392.19x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48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	.374	.213	.067	.361	.206	.065	.334	.192	.061	.310	.179	.057	.288	.167	.054	
2.0	.327	.179	.055	.314	.173	.053	.290	.162	.050	.269	.151	.047	.249	.141	.044	
3.0	.291	.155	.046	.280	.150	.045	.259	.140	.043	.239	.131	.040	.220	.122	.038	
4.0	.263	.137	.040	.253	.132	.039	.233	.124	.037	.215	.115	.035	.198	.108	.033	
5.0	.239	.122	.035	.230	.118	.034	.212	.110	.033	.196	.103	.031	.180	.096	.029	
6.0	.219	.110	.031	.211	.107	.031	.195	.100	.029	.180	.093	.027	.165	.087	.026	
7.0	.203	.100	.028	.195	.097	.028	.180	.091	.026	.166	.085	.025	.153	.079	.023	
8.0	.188	.092	.026	.181	.089	.025	.167	.083	.024	.154	.078	.023	.142	.073	.021	
9.0	.175	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.133	.067	.020	
10.0	.164	.079	.022	.158	.076	.021	.146	.072	.020	.135	.067	.019	.125	.063	.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	.359	.359	.359	.307	.307	.307	.209	.209	.209	.120	.120	.120	.038	.038	.038	
1.0	.354	.325	.299	.303	.279	.257	.207	.192	.178	.119	.111	.103	.038	.036	.033	
2.0	.348	.303	.265	.298	.260	.229	.204	.180	.160	.118	.105	.094	.038	.034	.030	
3.0	.340	.286	.243	.292	.247	.211	.200	.172	.148	.116	.100	.087	.037	.033	.029	
4.0	.333	.274	.229	.286	.237	.199	.196	.165	.140	.114	.097	.083	.037	.031	.027	
5.0	.325	.264	.219	.279	.228	.191	.192	.160	.135	.111	.094	.080	.036	.031	.026	
6.0	.318	.256	.212	.273	.222	.185	.188	.155	.131	.109	.091	.078	.035	.030	.026	
7.0	.311	.250	.207	.267	.216	.180	.185	.152	.128	.107	.089	.076	.035	.029	.025	
8.0	.304	.244	.203	.262	.212	.177	.181	.149	.125	.105	.088	.075	.034	.029	.025	
9.0	.298	.239	.200	.257	.208	.174	.178	.146	.124	.104	.086	.074	.034	.028	.024	
10.0	.292	.235	.197	.252	.204	.172	.175	.144	.122	.102	.085	.073	.033	.028	.024	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-19

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:120.5V I:0.2860A P:34.10W PF:0.9890 Freq:60.00Hz Lamp Flux:3392.19x1 lm										
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 4000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: 革星					SUR.:48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	17.6	18.9	18.1	19.4	20.1	15.1	16.4	15.6	17.0	17.6
3H	20.1	21.3	20.7	21.9	22.6	16.6	17.9	17.2	18.4	19.1
4H	21.5	22.6	22.1	23.2	23.9	17.3	18.5	17.9	19.1	19.8
6H	22.9	24.0	23.5	24.6	25.3	17.9	18.9	18.5	19.6	20.3
8H	23.7	24.7	24.3	25.4	26.1	18.1	19.1	18.7	19.8	20.5
12H	24.6	25.6	25.2	26.2	27.0	18.3	19.3	18.9	19.9	20.7
4H 2H	18.1	19.3	18.7	19.9	20.6	16.4	17.5	17.0	18.2	18.9
3H	21.0	22.0	21.6	22.6	23.4	18.2	19.2	18.9	19.9	20.6
4H	22.5	23.4	23.2	24.1	24.9	19.1	20.0	19.8	20.7	21.5
6H	24.1	24.9	24.8	25.6	26.5	19.9	20.7	20.6	21.4	22.2
8H	25.0	25.8	25.7	26.5	27.3	20.2	20.9	20.9	21.7	22.5
12H	26.0	26.7	26.7	27.5	28.3	20.4	21.2	21.2	21.9	22.7
8H 4H	22.8	23.6	23.5	24.3	25.2	20.2	20.9	20.9	21.7	22.5
6H	24.8	25.4	25.5	26.2	27.0	21.3	22.0	22.1	22.7	23.6
8H	25.9	26.5	26.6	27.2	28.1	21.9	22.4	22.6	23.2	24.1
12H	27.1	27.6	27.9	28.4	29.3	22.4	22.9	23.1	23.6	24.5
12H 4H	22.9	23.6	23.6	24.3	25.1	20.5	21.2	21.2	21.9	22.8
6H	24.9	25.5	25.7	26.2	27.1	21.8	22.4	22.6	23.2	24.1
8H	26.1	26.6	26.9	27.4	28.3	22.6	23.1	23.3	23.8	24.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.5				

CIE Pub.117, 3392 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.2)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-19

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:120.5V I:0.2860A P:34.10W PF:0.9890 Freq:60.00Hz Lamp Flux:3392.19x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

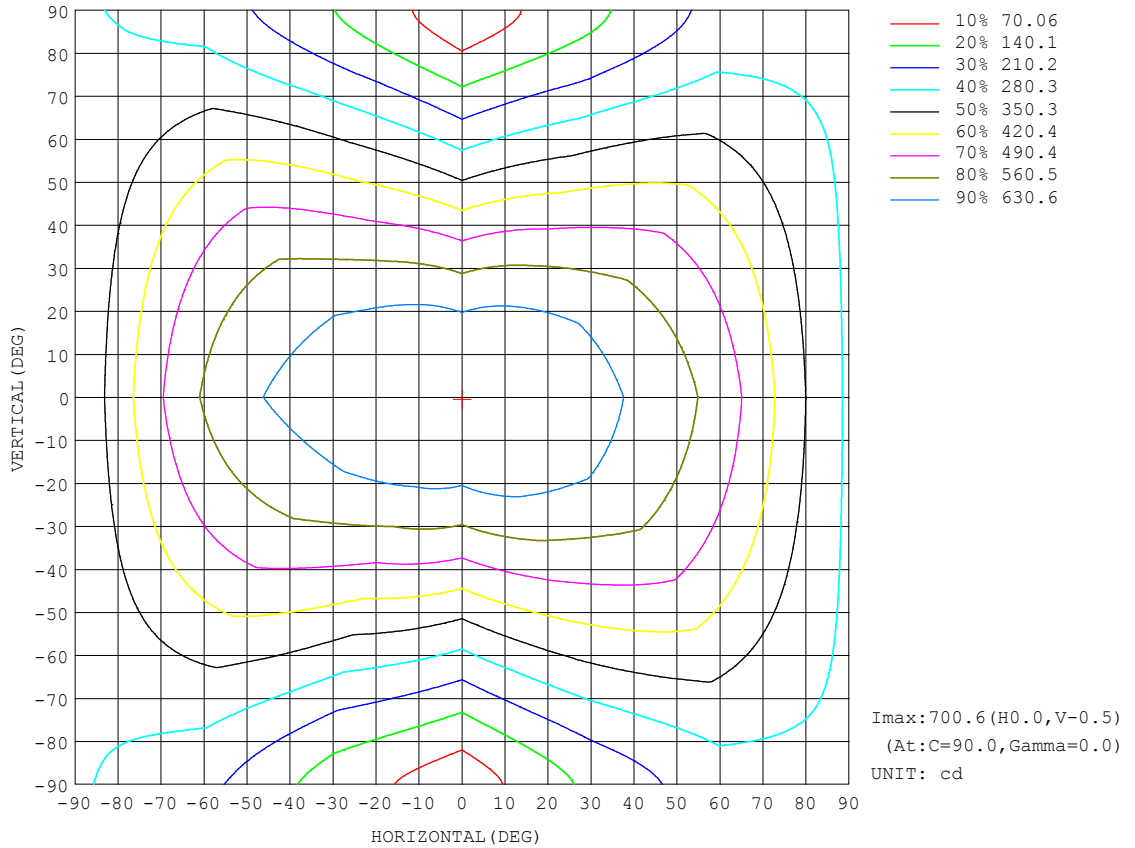
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	46	34	27	43	33	26	20
0.80	56	43	35	54	42	35	51	41	34	25
1.00	64	51	43	62	50	42	58	50	40	31
1.25	71	58	50	68	57	49	63	54	47	36
1.50	76	64	55	73	62	54	67	58	51	40
2.00	83	72	64	80	70	62	73	65	59	46
2.50	88	78	70	84	75	68	77	70	64	50
3.00	91	82	75	88	79	73	80	74	68	54
4.00	96	88	82	92	85	79	84	78	74	58
5.00	99	92	87	95	89	83	86	82	77	61
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:2024-04-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.5V I:0.2860A P:34.10W PF:0.9890 Freq:60.00Hz Lamp Flux:3392.19x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

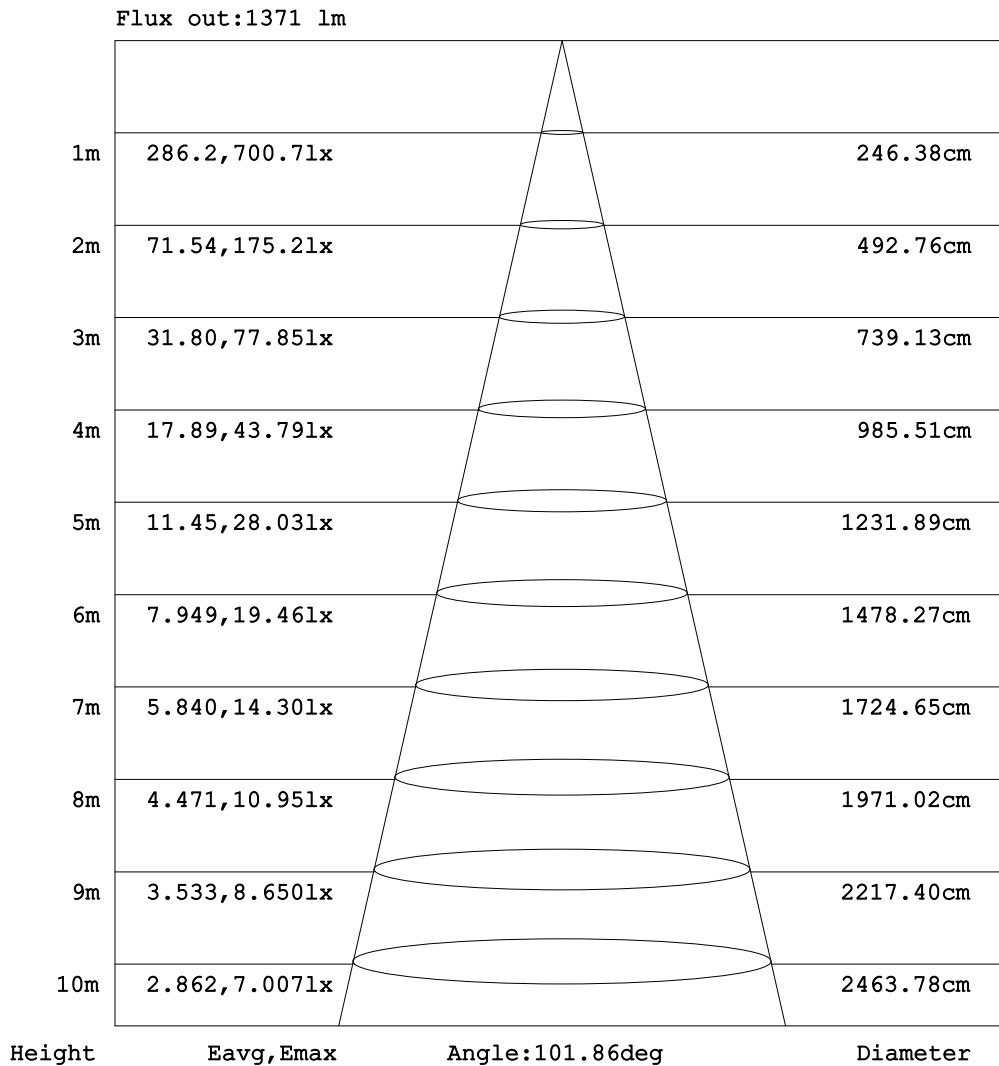


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-19

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.5V I:0.2860A P:34.10W PF:0.9890 Freq:60.00Hz Lamp Flux:3392.19x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:



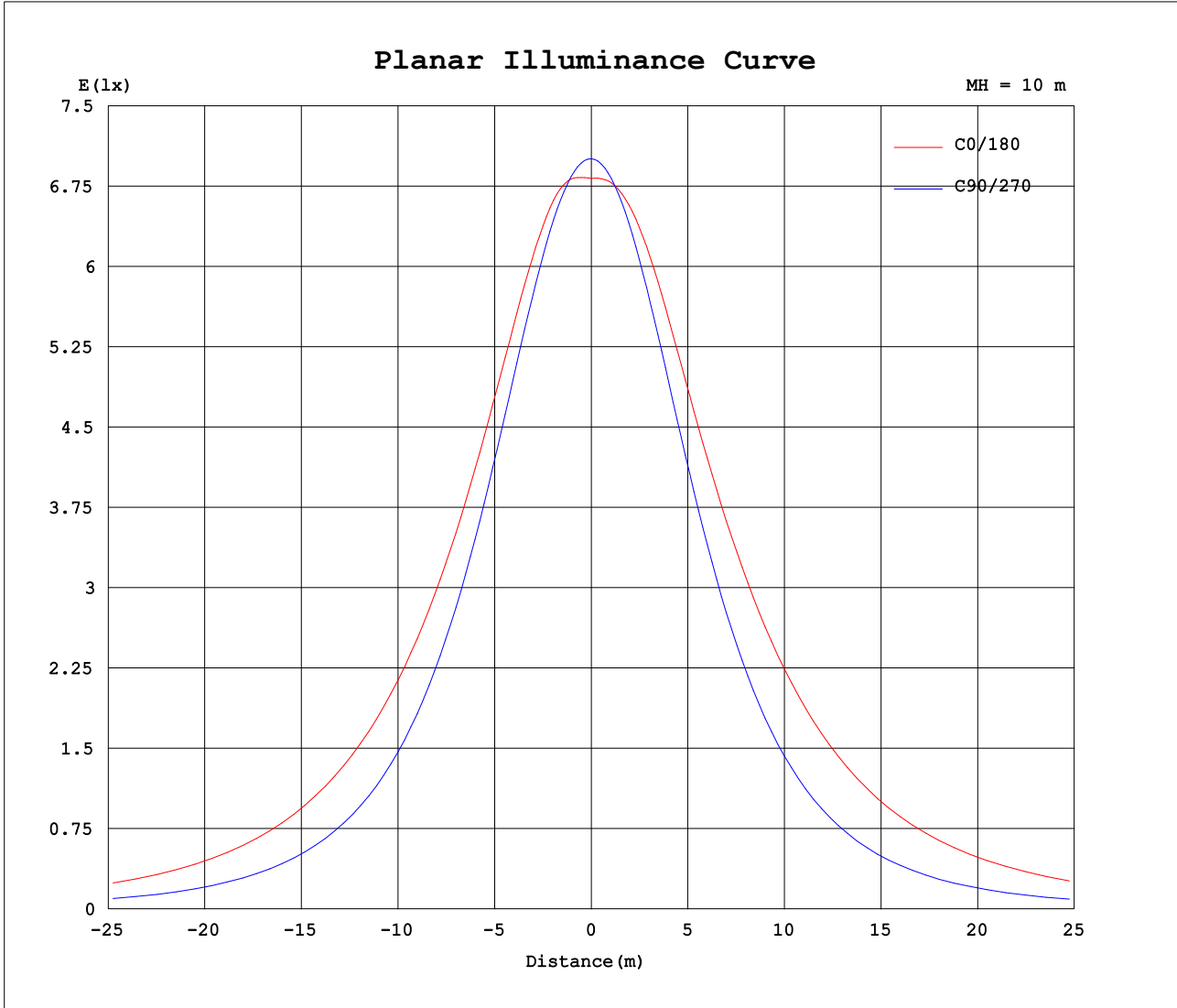
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-19

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:2024-04-19

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:120.5V I:0.2860A P:34.10W PF:0.9890 Freq:60.00Hz Lamp Flux:3392.19x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	682	694	699	701	701	697	682	694	699	701	701	697							
5	691	697	699	697	698	699	688	696	697	695	698	700							
10	700	697	695	684	690	698	694	696	690	681	690	698							
15	697	692	682	663	674	690	697	690	676	659	675	690							
20	687	681	663	634	651	677	692	679	654	628	653	676							
25	673	667	638	599	622	659	683	664	628	591	625	659							
30	656	649	608	557	588	639	671	647	597	549	592	638							
35	639	628	576	512	551	617	659	629	563	503	555	615							
40	623	607	541	465	511	595	647	610	528	455	516	591							
45	605	585	504	415	470	571	634	590	491	404	476	565							
50	585	560	466	365	428	545	618	567	453	354	434	537							
55	560	533	427	316	385	516	596	541	414	304	392	507							
60	529	500	387	267	342	482	567	509	373	255	349	473							
65	491	463	345	217	298	445	530	471	332	206	306	434							
70	447	420	302	170	254	402	486	428	289	160	262	392							
75	399	374	259	125	210	356	435	380	245	114	217	348							
80	350	328	218	84.7	168	310	383	332	202	73.6	177	303							
85	304	284	181	50.2	132	266	332	286	165	40.5	142	262							
90	273	253	157	29.7	107	229	289	251	141	25.2	123	235							
95	254	235	149	28.4	100	212	264	232	133	24.2	117	220							
100	237	219	133	27.7	89.2	195	244	213	117	24.5	105	205							
105	221	201	127	29.5	86.5	177	223	194	114	25.6	103	188							
110	206	188	123	31.3	84.0	168	207	184	110	26.6	100	179							
115	196	181	115	31.4	82.3	161	197	176	106	27.6	92.1	170							
120	187	173	103	31.7	80.1	153	187	167	103	29.0	84.2	158							
125	178	164	91.2	32.4	77.2	145	176	158	98.9	30.5	76.8	146							
130	170	152	81.3	33.4	74.5	137	167	150	94.2	32.0	70.8	130							
135	160	133	74.0	34.5	72.5	129	156	141	89.5	33.6	65.7	113							
140	148	112	67.7	36.3	70.7	119	145	131	85.1	36.5	61.6	99.9							
145	136	94.1	62.2	40.7	69.0	110	133	119	81.3	41.3	60.3	88.3							
150	124	80.7	61.5	45.9	67.1	100	117	108	77.6	46.3	62.0	77.6							
155	110	70.7	63.1	50.4	64.8	91.4	102	97.8	73.9	50.2	63.7	68.4							
160	97.5	61.1	64.3	54.1	62.5	83.2	82.1	87.8	69.8	53.8	64.2	63.7							
165	84.0	54.6	64.2	57.4	61.0	74.9	60.3	77.5	66.0	57.0	64.0	63.4							
170	68.0	54.3	63.5	60.2	61.0	66.7	45.6	67.4	62.9	59.8	63.5	61.8							
175	52.1	54.7	62.5	61.9	61.1	60.7	39.7	59.3	61.1	62.1	62.8	59.4							
180	39.9	55.6	61.3	63.2	62.3	58.4	40.0	55.6	61.3	63.2	62.3	58.4							

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-19

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: