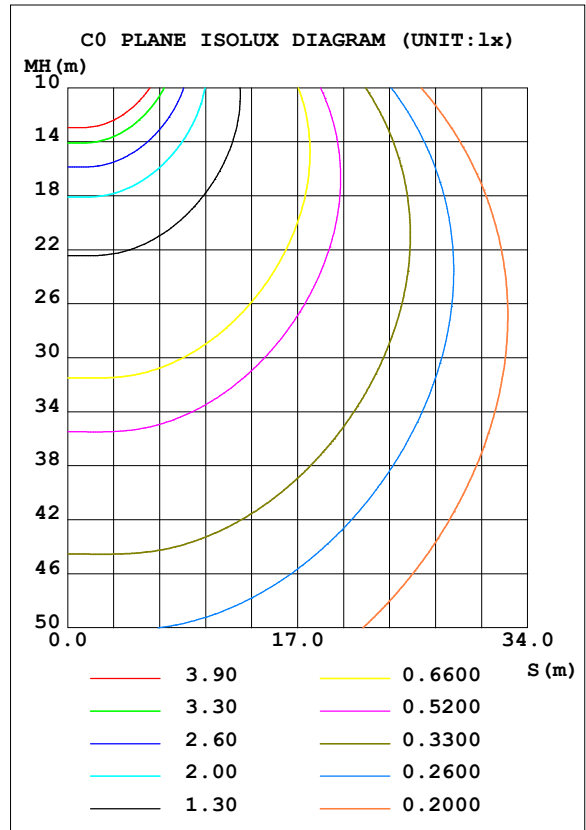
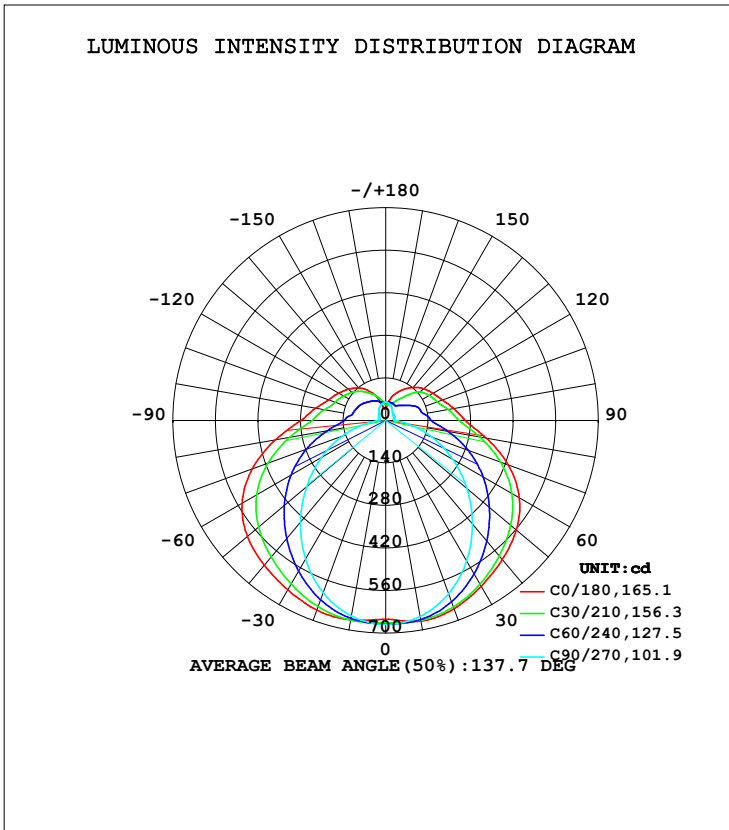


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2930A P:35.00W PF:0.9890 Freq:60.00Hz Lamp Flux:3256.06x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.03 lm/W			
MODEL		I <sub>max</sub> (cd)	671.3	S/MH (C0/180)	1.48
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)		TOTAL FLUX (lm)	3256.1	η UP, DN (C0-180)	11.0, 38.8
NOMINAL FLUX (lm)	3256.06	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.1, 39.1
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	670.6	666.4	654.9	664.0	666.0	664.4	653.1	665.3	0- 10	63.58	63.58	1.95,1.95
20	659.4	643.9	606.5	635.7	664.0	639.9	602.8	637.4	10- 20	184.6	248.1	7.62,7.62
30	629.6	601.9	533.2	587.6	644.2	597.3	527.3	589.9	20- 30	284.0	532.2	16.3,16.3
40	597.4	549.6	444.4	529.2	621.7	546.8	436.6	531.1	30- 40	353.0	885.2	27.2,27.2
50	561.2	491.5	349.6	465.2	593.9	490.8	340.2	466.1	40- 50	389.7	1275	39.2,39.2
60	507.7	424.8	254.8	394.5	545.6	424.9	244.7	394.3	50- 60	392.7	1668	51.2,51.2
70	429.4	345.9	162.5	313.7	467.2	345.2	153.5	314.0	60- 70	359.3	2027	62.2,62.2
80	336.3	261.4	80.73	228.9	368.5	257.7	70.76	230.4	70- 80	293.1	2320	71.2,71.2
90	262.8	196.3	28.45	160.9	278.6	189.8	24.23	171.5	80- 90	215.7	2536	77.9,77.9
100	228.2	168.6	26.59	136.2	234.8	159.3	23.57	148.8	90-100	171.6	2707	83.1,83.1
110	198.6	149.1	30.02	120.8	199.8	141.8	25.52	134.2	100-110	143.8	2851	87.6,87.6
120	180.1	132.4	30.49	111.6	179.8	130.2	27.82	116.0	110-120	122.0	2973	91.3,91.3
130	163.2	112.3	32.07	101.6	160.5	117.7	30.74	96.18	120-130	98.93	3072	94.3,94.3
140	142.4	86.21	34.83	91.23	139.6	104.0	35.06	77.52	130-140	74.75	3147	96.6,96.6
150	118.0	68.43	44.08	80.18	112.4	89.40	44.53	67.07	140-150	52.29	3199	98.2,98.2
160	93.76	60.25	51.93	69.84	79.00	75.78	51.70	61.59	150-160	33.72	3233	99.3,99.3
170	65.38	56.63	57.83	61.24	43.96	62.62	57.43	60.25	160-170	17.98	3251	99.8,99.8
180	38.45	56.16	60.71	58.04	38.52	56.14	60.76	58.03	170-180	5.433	3256	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1077.5 lm

%lum = 33.1%  
%lamp = 33.1%

Conical surface Flux(120deg): 1667.6 lm

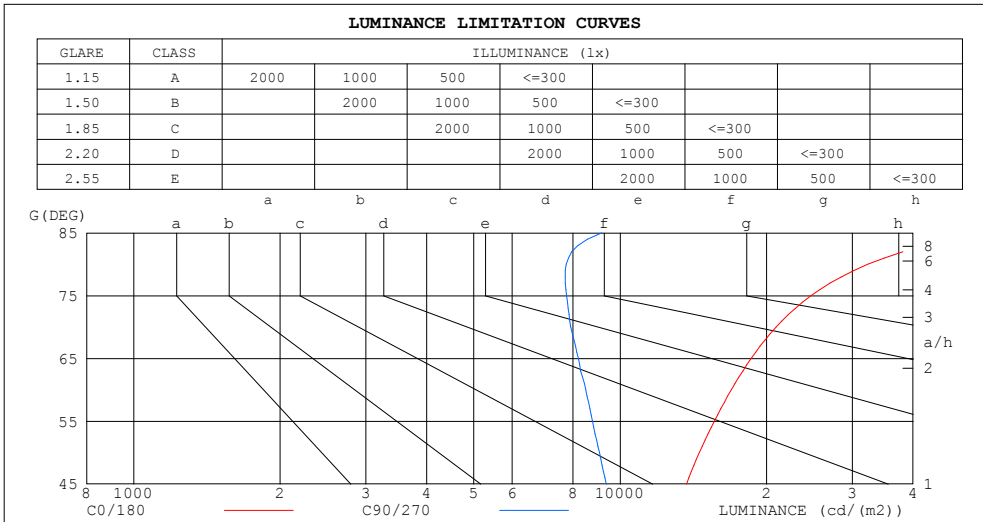
%lum = 51.2%  
%lamp = 51.2%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.2930A P:35.00W PF:0.9890 Freq:60.00Hz Lamp Flux:3256.06x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	55960	9170
80	32281	7749
75	24677	7762
70	20923	7916
65	18597	8200
60	16924	8493
55	15617	8770
50	14552	9065
45	13684	9366

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:0.2930A P:35.00W PF:0.9890 Freq:60.00Hz Lamp Flux:3256.06x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 5000K	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	.375	.213	.067	.361	.206	.065	.335	.192	.061	.311	.179	.057	.288	.167	.054	
2.0	.327	.179	.055	.314	.173	.053	.291	.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	.220	.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	.019	
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	.355	.326	.299	.304	.279	.258	.208	.192	.178	.120	.111	.104	.038	.036	.033	
2.0	.348	.303	.265	.298	.261	.229	.204	.180	.160	.118	.105	.094	.038	.034	.031	
3.0	.341	.286	.243	.292	.247	.211	.200	.172	.148	.116	.100	.087	.037	.033	.029	
4.0	.333	.274	.229	.286	.237	.199	.197	.165	.140	.114	.097	.083	.037	.031	.027	
5.0	.325	.264	.219	.280	.229	.191	.193	.160	.135	.112	.094	.080	.036	.031	.026	
6.0	.318	.256	.212	.273	.222	.185	.189	.155	.131	.109	.091	.078	.035	.030	.026	
7.0	.311	.250	.207	.268	.217	.180	.185	.152	.128	.107	.089	.076	.035	.029	.025	
8.0	.305	.244	.203	.262	.212	.177	.181	.149	.126	.106	.088	.075	.034	.029	.025	
9.0	.298	.240	.200	.257	.208	.175	.178	.146	.124	.104	.086	.074	.034	.028	.024	
10.0	.293	.236	.198	.252	.205	.172	.175	.144	.123	.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:0.2930A P:35.00W PF:0.9890 Freq:60.00Hz Lamp Flux:3256.06x1 lm										
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 5000K					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	16.9	17.6
3H	20.1	21.3	20.7	21.9	22.6	16.6	17.8	17.2	18.4	19.1
4H	21.5	22.6	22.1	23.2	23.9	17.3	18.4	17.9	19.1	19.8
6H	22.9	24.0	23.5	24.6	25.3	17.8	18.9	18.5	19.5	20.3
8H	23.7	24.7	24.3	25.4	26.1	18.1	19.1	18.7	19.7	20.5
12H	24.6	25.6	25.2	26.2	27.0	18.2	19.2	18.9	19.9	20.6
4H 2H	18.1	19.3	18.7	19.9	20.6	16.4	17.5	17.0	18.1	18.8
3H	20.9	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	19.8	20.7	20.5	21.4	22.2
8H	25.0	25.8	25.7	26.5	27.3	20.2	20.9	20.9	21.6	22.5
12H	26.0	26.7	26.7	27.5	28.3	20.4	21.1	21.1	21.9	22.7
8H 4H	22.8	23.6	23.5	24.3	25.1	20.2	20.9	20.9	21.6	22.5
6H	24.8	25.4	25.5	26.2	27.0	21.3	22.0	22.0	22.7	23.6
8H	25.9	26.5	26.6	27.2	28.1	21.8	22.4	22.6	23.2	24.1
12H	27.1	27.6	27.9	28.4	29.3	22.3	22.8	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	22.5	23.0	23.3	23.8	24.7
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, 3256 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.1)

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:0.2930A P:35.00W PF:0.9890 Freq:60.00Hz Lamp Flux:3256.06x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

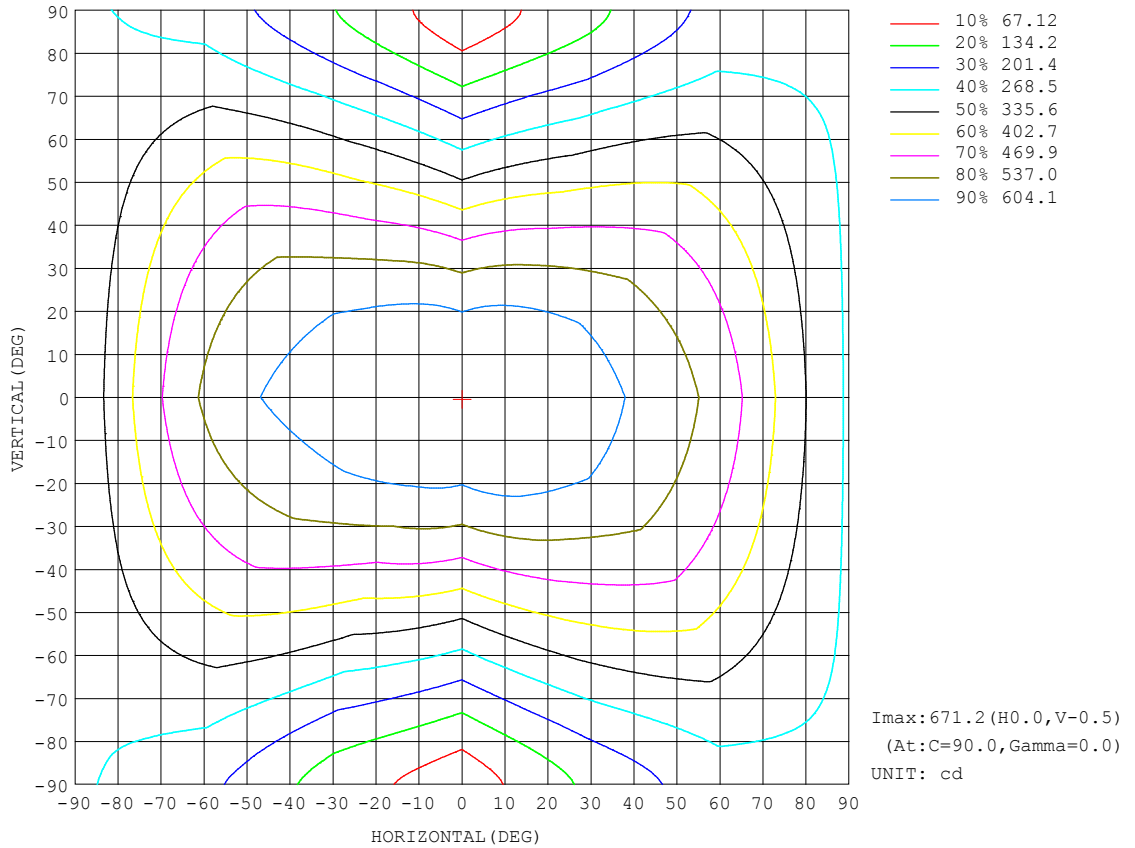
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	46	34	27	43	33	26	20
0.80	56	43	35	54	42	35	51	40	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	87	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:0.2930A P:35.00W PF:0.9890 Freq:60.00Hz Lamp Flux:3256.06x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

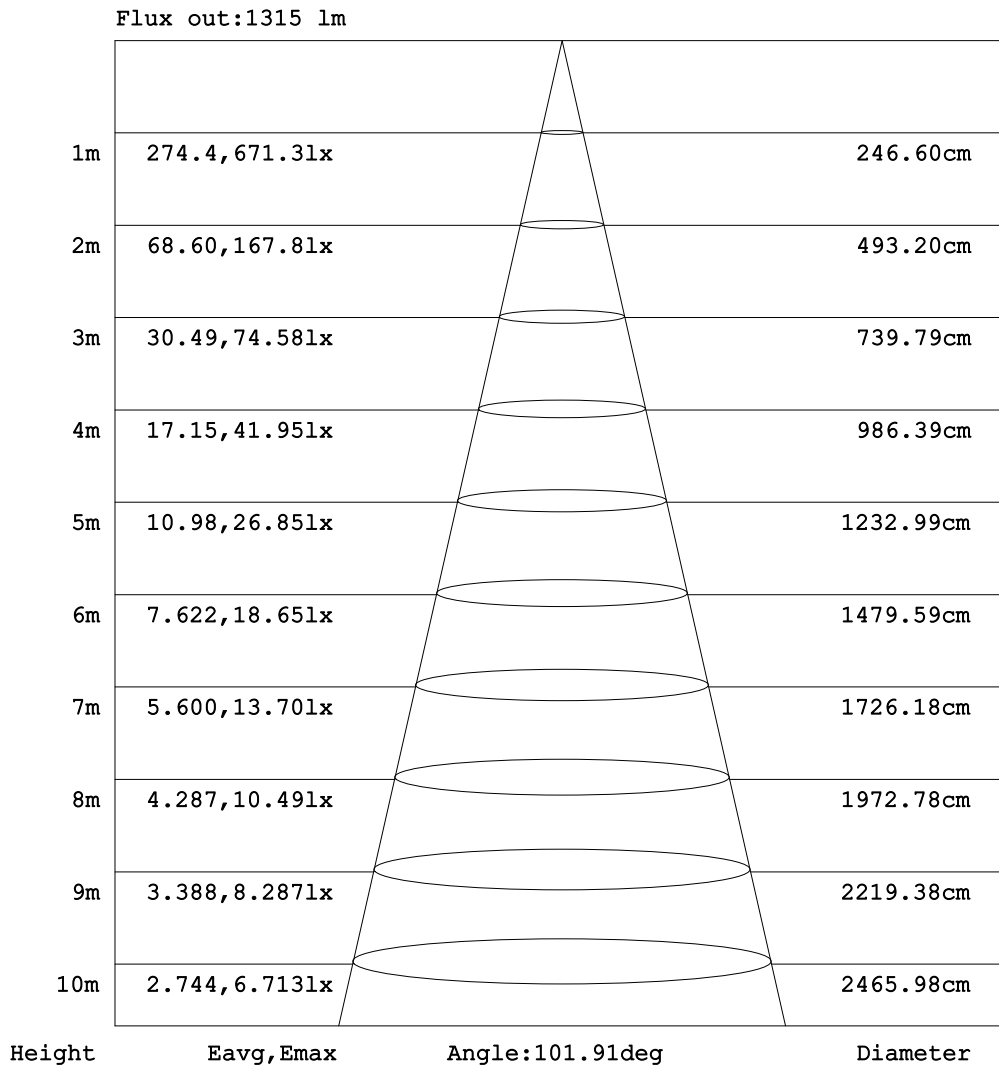


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-04-19

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:120.5V I:0.2930A P:35.00W PF:0.9890 Freq:60.00Hz Lamp Flux:3256.06x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:



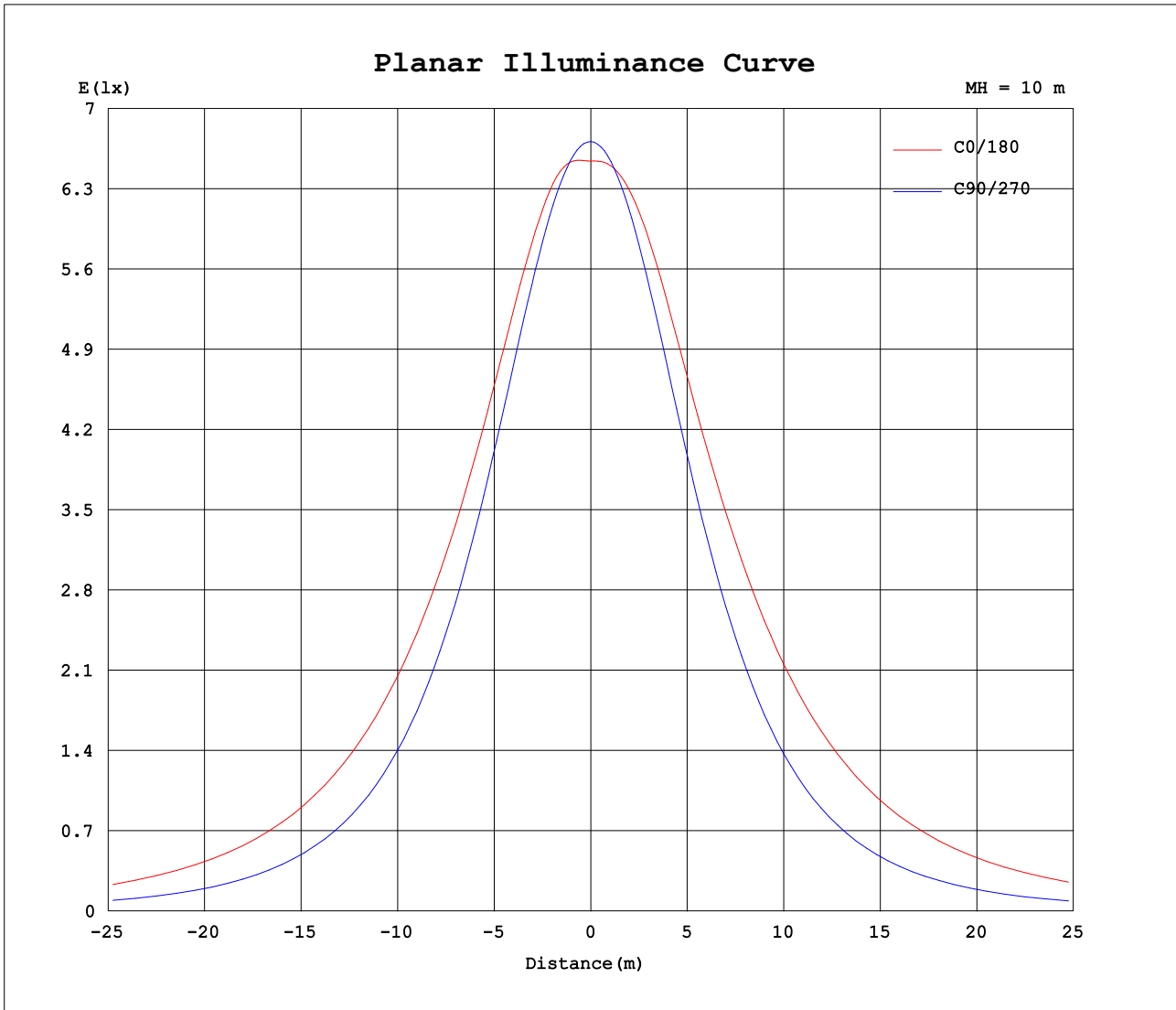
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.2930A P:35.00W PF:0.9890 Freq:60.00Hz Lamp Flux:3256.06x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 5000K	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	654	665	670	671	671	668	654	665	670	671	671	668							
5	662	668	670	667	669	669	659	668	668	666	669	671							
10	671	668	665	655	660	668	666	667	661	653	662	669							
15	669	663	653	634	645	660	668	662	648	632	648	661							
20	659	653	635	607	623	648	664	652	628	603	626	648							
25	645	639	611	572	595	631	655	638	602	568	599	632							
30	630	621	582	533	563	612	644	622	573	527	568	612							
35	613	602	551	490	527	591	633	604	541	483	533	590							
40	597	582	517	444	489	570	622	587	507	437	495	567							
45	581	561	482	397	449	546	609	568	472	389	456	542							
50	561	537	446	350	409	521	594	546	436	340	417	516							
55	537	510	409	302	368	494	573	521	398	292	376	486							
60	508	480	370	255	327	462	546	490	360	245	335	454							
65	472	443	330	208	285	425	510	454	319	198	293	417							
70	429	402	289	162	243	385	467	412	278	153	251	377							
75	383	359	248	121	201	341	419	367	236	110	209	334							
80	336	314	208	80.7	161	297	368	321	195	70.8	170	291							
85	293	273	173	48.0	126	255	320	277	159	38.9	136	252							
90	263	243	150	28.5	102	220	279	243	137	24.2	117	226							
95	244	224	142	27.2	96.0	203	255	224	128	23.2	112	211							
100	228	210	127	26.6	85.4	187	235	206	113	23.6	101	197							
105	213	193	121	28.3	82.8	170	215	187	110	24.6	98.9	181							
110	199	181	117	30.0	80.5	161	200	177	106	25.5	96.0	172							
115	189	173	110	30.1	78.8	154	190	170	103	26.5	88.2	163							
120	180	166	98.8	30.5	76.7	147	180	161	99.3	27.8	80.6	152							
125	172	157	87.7	31.1	74.0	139	170	153	95.4	29.3	73.6	140							
130	163	146	78.2	32.1	71.4	132	161	145	90.8	30.7	67.9	124							
135	154	128	71.1	33.2	69.5	124	151	136	86.2	32.3	63.1	109							
140	142	107	65.0	34.8	67.8	115	140	126	82.0	35.1	59.1	95.9							
145	130	90.6	59.8	39.1	66.1	105	128	115	78.2	39.7	58.0	84.8							
150	118	77.7	59.2	44.1	64.3	96.1	112	104	74.7	44.5	59.6	74.5							
155	106	68.1	60.6	48.4	62.1	87.8	97.8	94.1	71.1	48.3	61.2	65.8							
160	93.8	58.7	61.8	51.9	59.9	79.8	79.0	84.4	67.1	51.7	61.7	61.5							
165	80.8	52.5	61.7	55.1	58.6	71.8	58.0	74.6	63.4	54.8	61.5	61.1							
170	65.4	52.2	61.0	57.8	58.5	63.9	44.0	64.7	60.5	57.4	61.0	59.5							
175	50.2	52.5	60.0	59.4	58.7	58.3	38.3	57.0	58.8	59.6	60.4	57.1							
180	38.5	53.4	58.9	60.7	59.9	56.2	38.5	53.4	58.9	60.8	59.9	56.2							

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: