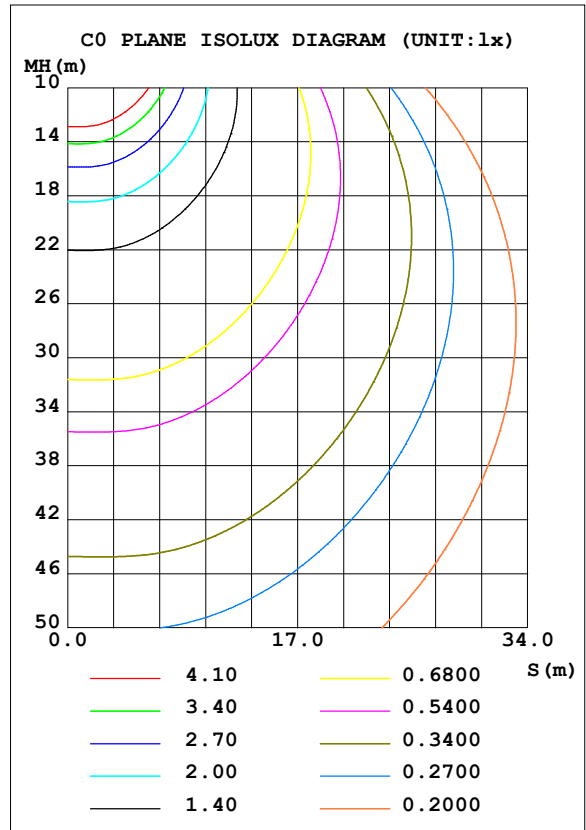
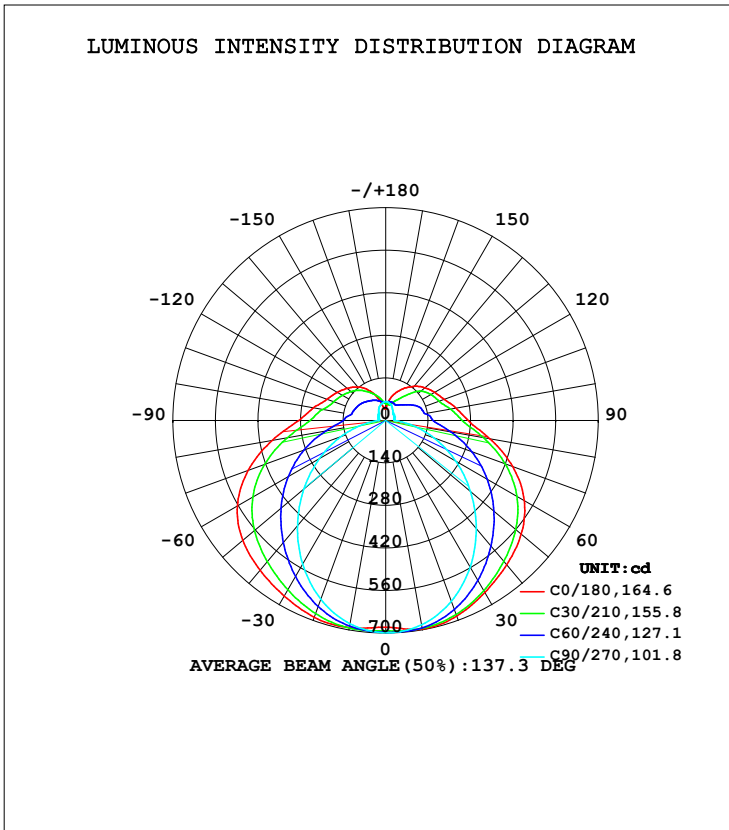


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2820A P:33.70W PF:0.9890 Freq:60.00Hz Lamp Flux:3373.43x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.10 lm/W			
MODEL		I _{max} (cd)	698.9	S/MH (C0/180)	1.48
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.17
RATED VOLTAGE (V)		TOTAL FLUX (lm)	3373.4	η UP, DN (C0-180)	11.0, 39.0
NOMINAL FLUX (lm)	3373.43	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.0, 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	696.9	693.7	682.6	692.1	691.9	690.4	679.0	692.0	0- 10	66.17	66.17	1.96,1.96
20	684.8	670.5	633.1	662.5	689.0	663.8	625.7	662.3	10- 20	192.0	258.1	7.65,7.65
30	653.5	626.8	556.7	612.2	667.4	618.6	546.7	612.1	20- 30	295.2	553.4	16.4,16.4
40	619.8	572.3	464.3	551.1	643.4	565.4	451.9	550.4	30- 40	366.6	919.9	27.3,27.3
50	582.3	511.8	364.7	484.2	614.2	506.7	351.9	482.5	40- 50	404.4	1324	39.3,39.3
60	526.6	442.2	266.1	410.1	563.5	437.8	252.9	407.8	50- 60	407.2	1732	51.3,51.3
70	445.1	360.1	170.2	326.0	481.8	355.1	158.4	324.4	60- 70	372.1	2104	62.4,62.4
80	348.3	271.8	84.75	237.4	379.2	264.5	73.02	237.7	70- 80	303.2	2407	71.3,71.3
90	271.7	204.2	29.58	166.5	286.1	194.3	24.99	176.8	80- 90	222.7	2630	77.9,77.9
100	235.7	175.1	27.55	140.7	241.9	163.3	24.36	153.3	90-100	177.1	2807	83.2,83.2
110	205.1	154.8	31.11	124.9	205.5	145.5	26.43	138.4	100-110	148.4	2955	87.6,87.6
120	186.0	137.0	31.51	115.4	185.0	133.8	28.85	119.9	110-120	125.9	3081	91.3,91.3
130	168.5	116.0	33.18	105.0	165.3	121.2	31.87	99.52	120-130	102.1	3183	94.4,94.4
140	147.2	88.84	36.08	94.34	143.9	107.2	36.31	80.29	130-140	77.19	3260	96.6,96.6
150	122.9	70.64	45.72	83.00	116.1	92.30	46.08	69.46	140-150	54.06	3314	98.2,98.2
160	96.86	62.37	53.89	72.37	81.56	78.37	53.52	63.76	150-160	34.88	3349	99.3,99.3
170	67.60	58.66	59.94	63.52	45.32	64.83	59.45	62.42	160-170	18.61	3368	99.8,99.8
180	39.70	58.17	62.88	60.19	39.70	58.15	62.93	60.17	170-180	5.626	3373	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1119.5 lm

%lum = 33.2%
%lamp = 33.2%

Conical surface Flux(120deg): 1731.5 lm

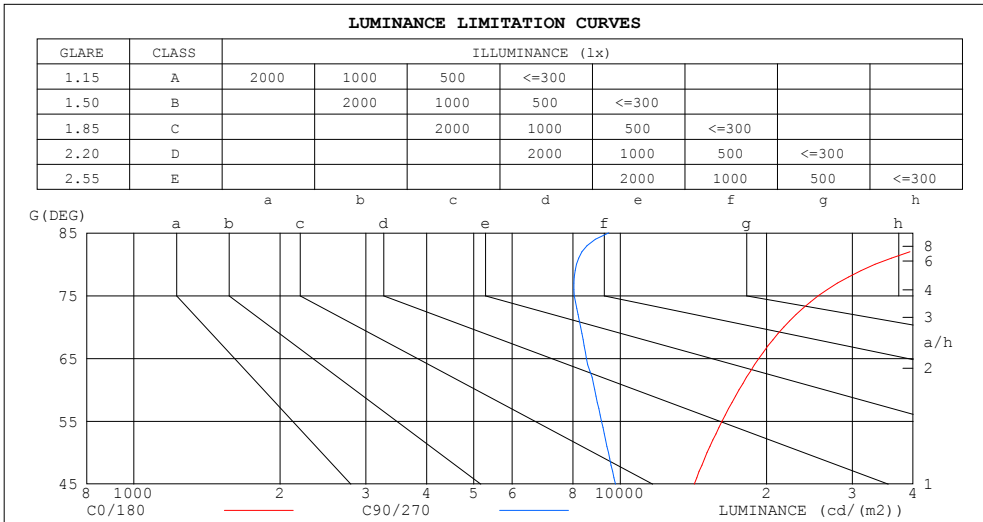
%lum = 51.3%
%lamp = 51.3%

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:0.2820A P:33.70W PF:0.9890 Freq:60.00Hz Lamp Flux:3373.43x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	57896	9473
80	33430	8134
75	25569	8040
70	21690	8296
65	19284	8522
60	17555	8869
55	16202	9158
50	15098	9457
45	14200	9776

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:0.2820A P:33.70W PF:0.9890 Freq:60.00Hz Lamp Flux:3373.43x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3500K	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	.360	.206	.065	.334	.192	.061	.310	.179	.057	.288	.167	.054	
2.0	.327	.179	.055	.314	.173	.053	.290	.161	.050	.269	.151	.047	.248	.141	.044	
3.0	.291	.155	.046	.280	.150	.045	.258	.140	.043	.239	.131	.040	.220	.122	.038	
4.0	.263	.137	.040	.252	.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	.068	.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	.358	.358	.358	.306	.306	.306	.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	.347	.302	.264	.298	.260	.228	.204	.180	.159	.118	.105	.093	.038	.034	.030	
3.0	.340	.286	.243	.291	.247	.210	.200	.171	.148	.116	.100	.087	.037	.032	.028	
4.0	.332	.273	.228	.285	.236	.198	.196	.165	.140	.113	.096	.083	.037	.031	.027	
5.0	.325	.264	.219	.279	.228	.190	.192	.159	.134	.111	.094	.080	.036	.031	.026	
6.0	.318	.256	.212	.273	.222	.184	.188	.155	.130	.109	.091	.077	.035	.030	.026	
7.0	.311	.249	.206	.267	.216	.180	.185	.152	.127	.107	.089	.076	.035	.029	.025	
8.0	.304	.244	.202	.262	.211	.177	.181	.148	.125	.105	.088	.075	.034	.029	.025	
9.0	.298	.239	.199	.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:0.2820A P:33.70W PF:0.9890 Freq:60.00Hz Lamp Flux:3373.43x1 lm										
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3500K					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	19.5	20.1	15.1	16.4	15.7	17.0	17.6
3H	20.1	21.4	20.7	21.9	22.6	16.7	17.9	17.3	18.5	19.2
4H	21.5	22.6	22.1	23.2	24.0	17.3	18.5	17.9	19.1	19.8
6H	22.9	24.0	23.5	24.6	25.4	17.9	19.0	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	18.8	19.9	20.6	16.4	17.6	17.0	18.2	18.9
3H	21.0	22.0	21.6	22.6	23.4	18.3	19.3	18.9	19.9	20.7
4H	22.5	23.4	23.2	24.1	24.9	19.1	20.1	19.8	20.7	21.5
6H	24.1	25.0	24.8	25.7	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	21.0	20.9	21.7	22.5
12H	26.0	26.7	26.8	27.5	28.3	20.5	21.2	21.2	21.9	22.8
8H 4H	22.9	23.6	23.6	24.3	25.2	20.2	21.0	20.9	21.7	22.5
6H	24.8	25.4	25.5	26.2	27.1	21.3	22.0	22.1	22.7	23.6
8H	25.9	26.5	26.6	27.2	28.1	21.9	22.5	22.6	23.2	24.1
12H	27.1	27.7	27.9	28.4	29.3	22.4	22.9	23.1	23.7	24.6
12H 4H	22.9	23.6	23.6	24.3	25.2	20.5	21.2	21.2	21.9	22.8
6H	24.9	25.5	25.7	26.2	27.1	21.9	22.4	22.6	23.2	24.1
8H	26.1	26.6	26.9	27.4	28.3	22.6	23.1	23.4	23.9	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, 3373 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:0.2820A P:33.70W PF:0.9890 Freq:60.00Hz Lamp Flux:3373.43x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

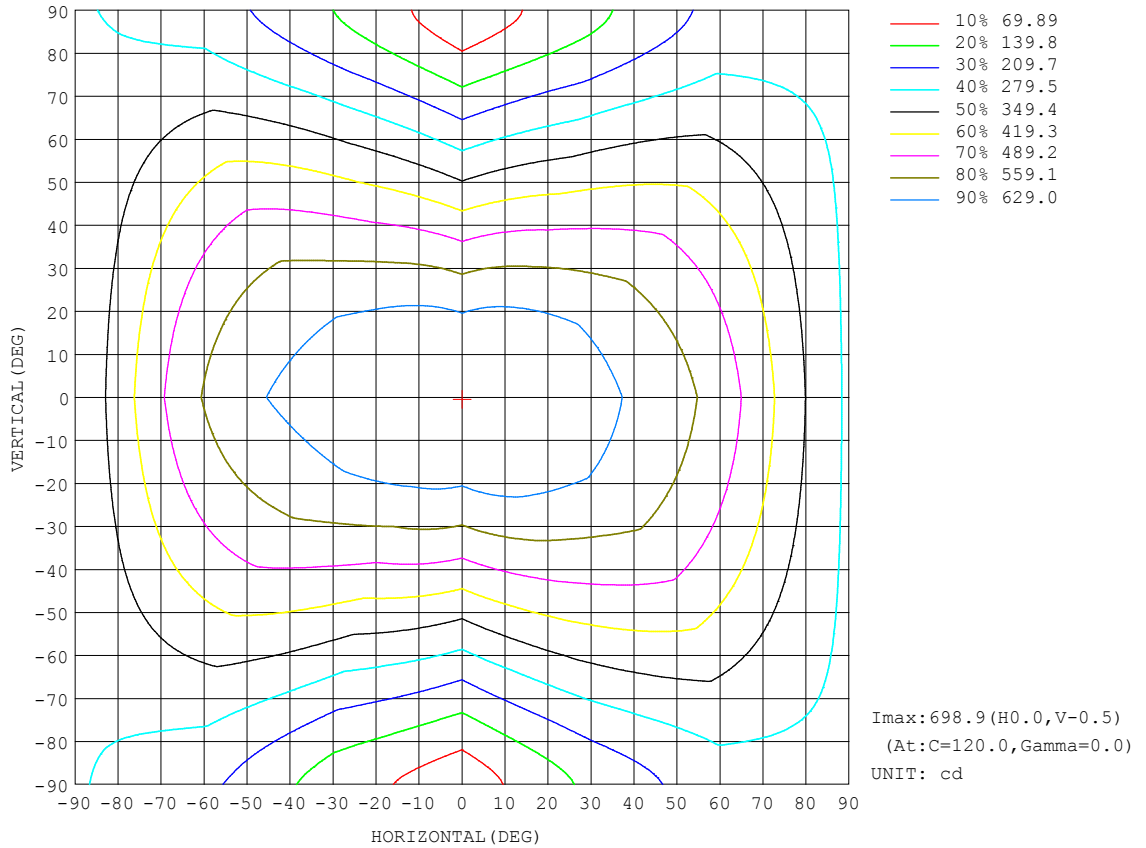
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	46	34	27	43	33	26	20
0.80	56	43	35	54	42	35	51	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	37
1.50	76	64	55	73	62	54	68	58	52	40
2.00	83	72	64	80	70	62	74	65	59	47
2.50	88	78	70	84	75	68	77	70	64	50
3.00	92	82	75	88	79	73	80	74	68	54
4.00	96	88	82	92	85	79	84	79	74	58
5.00	99	92	87	95	89	84	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

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:120.5V I:0.2820A P:33.70W PF:0.9890 Freq:60.00Hz Lamp Flux:3373.43x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

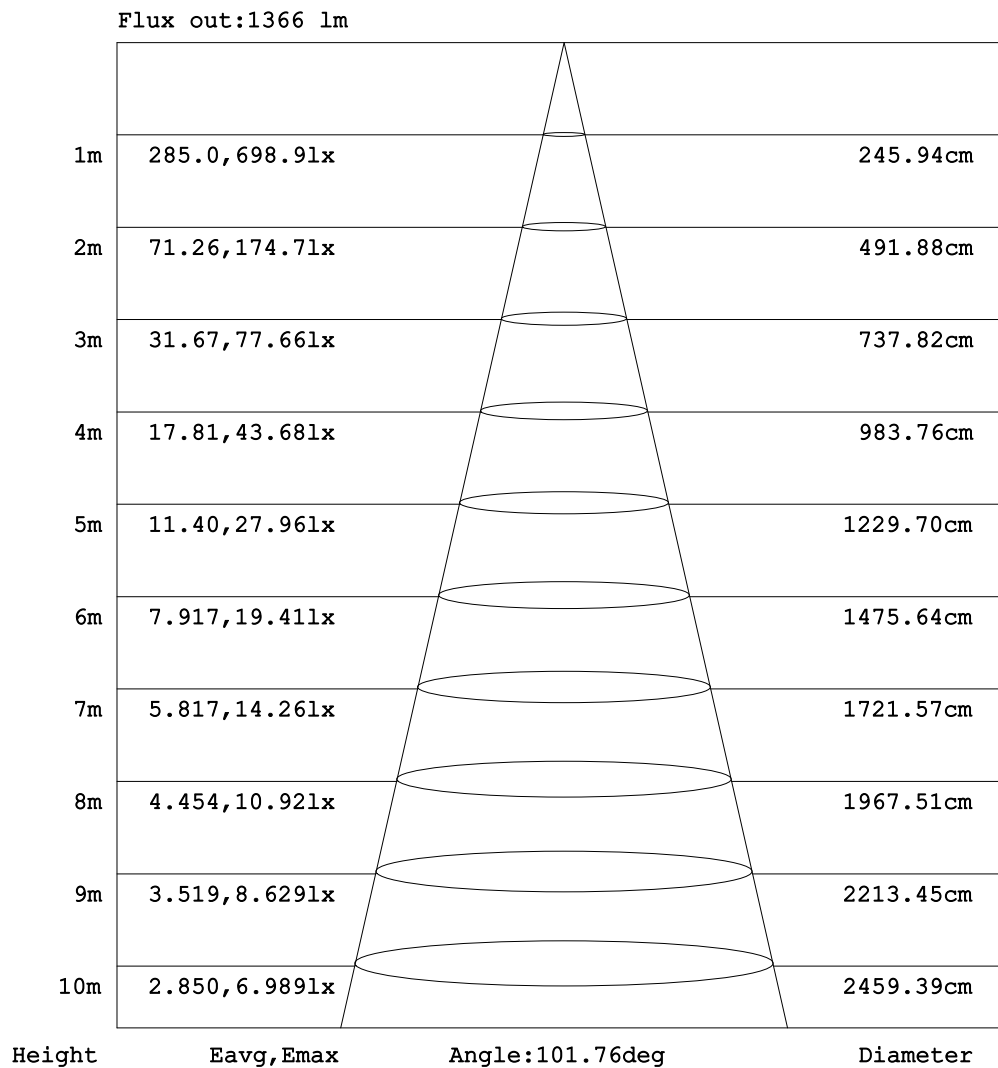


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-19

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:0.2820A P:33.70W PF:0.9890 Freq:60.00Hz Lamp Flux:3373.43x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

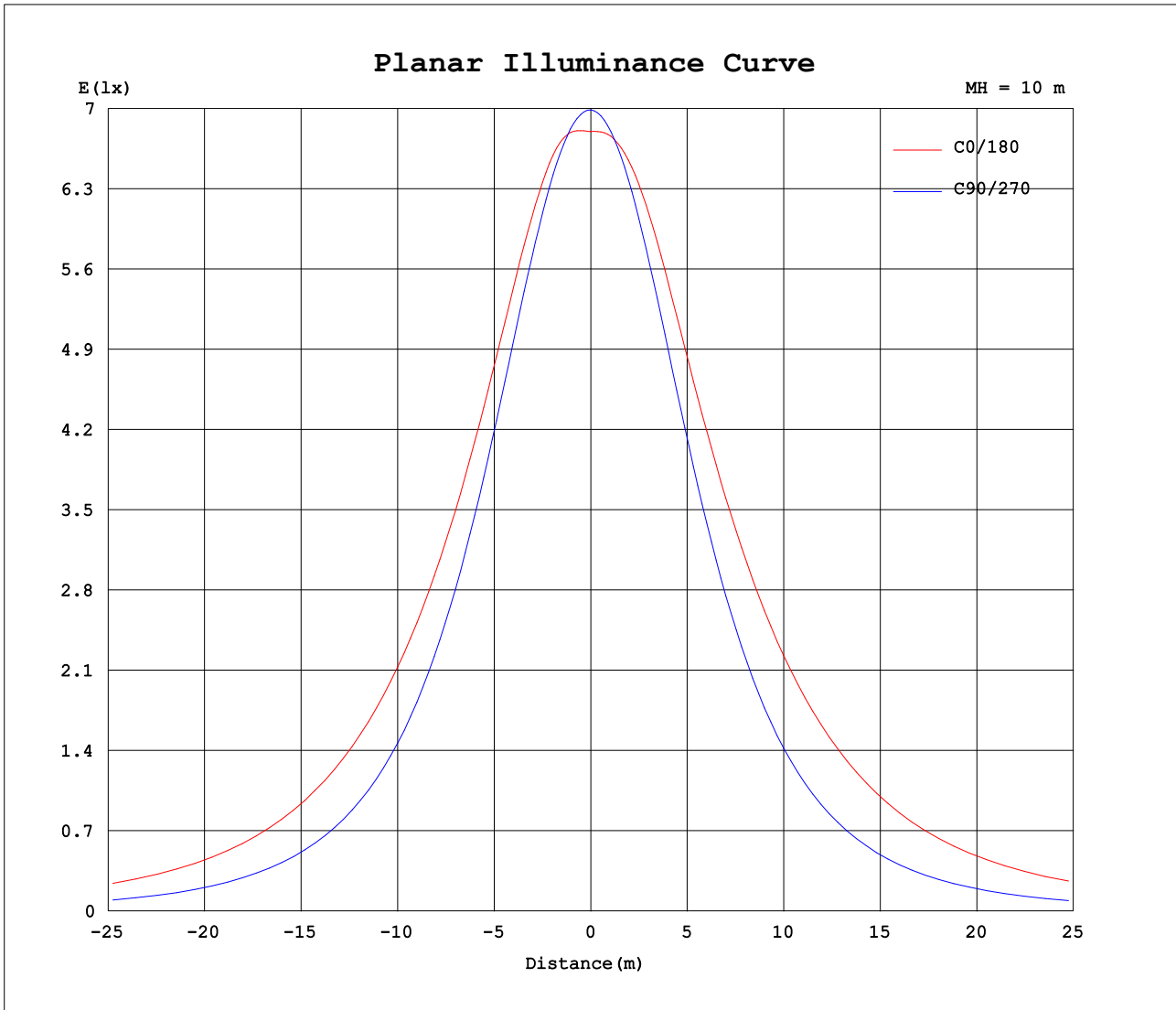


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2820A P:33.70W PF:0.9890 Freq:60.00Hz Lamp Flux:3373.43x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3500K	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	680	692	697	699	699	696	680	692	697	699	699	696							
5	688	695	697	695	697	697	685	694	695	693	696	698							
10	697	695	693	683	688	696	692	694	687	679	688	696							
15	695	690	681	662	672	688	694	687	673	656	673	688							
20	685	679	662	633	650	675	689	676	651	626	651	674							
25	670	665	637	598	621	658	679	661	625	589	622	656							
30	653	646	607	557	587	637	667	644	593	547	589	636							
35	637	626	575	512	549	615	656	626	560	501	552	612							
40	620	605	540	464	510	593	643	607	524	452	513	588							
45	602	583	503	415	468	569	630	586	487	402	472	562							
50	582	559	465	365	426	543	614	564	450	352	431	534							
55	558	531	426	315	383	514	593	537	411	302	389	504							
60	527	499	386	266	340	480	564	505	370	253	346	470							
65	489	461	344	216	296	442	526	467	329	205	303	431							
70	445	419	302	170	252	400	482	424	286	158	259	389							
75	397	373	259	125	208	354	432	377	243	113	215	345							
80	348	326	217	84.7	167	308	379	329	200	73.0	175	301							
85	303	283	180	49.5	130	264	329	284	163	40.1	140	260							
90	272	252	156	29.6	105	228	286	249	140	25.0	121	233							
95	252	234	148	28.3	99.1	210	261	230	132	24.0	115	218							
100	236	218	132	27.5	88.1	193	242	211	116	24.4	104	203							
105	220	199	127	29.3	85.5	175	221	192	112	25.5	102	187							
110	205	187	122	31.1	83.1	167	205	182	109	26.4	98.9	178							
115	195	179	114	31.2	81.4	159	195	174	105	27.5	91.0	169							
120	186	172	102	31.5	79.3	152	185	166	102	28.8	83.1	157							
125	177	163	90.6	32.2	76.4	144	175	157	98.1	30.3	76.0	145							
130	169	151	80.8	33.2	73.9	136	165	149	93.5	31.9	70.2	129							
135	159	132	73.5	34.3	71.9	128	155	140	88.8	33.5	65.2	113							
140	147	110	67.3	36.1	70.1	119	144	130	84.5	36.3	61.2	99.4							
145	135	93.3	61.9	40.5	68.4	109	132	118	80.7	41.0	59.9	87.9							
150	123	80.1	61.2	45.7	66.5	99.5	116	108	77.1	46.1	61.7	77.3							
155	110	70.2	62.9	50.2	64.3	90.8	101	97.3	73.5	50.0	63.4	68.2							
160	96.9	60.7	64.1	53.9	62.1	82.6	81.6	87.4	69.4	53.5	63.9	63.7							
165	83.4	54.3	63.9	57.2	60.8	74.4	59.9	77.2	65.6	56.7	63.7	63.4							
170	67.6	54.1	63.2	59.9	60.8	66.3	45.3	67.1	62.6	59.5	63.1	61.7							
175	51.8	54.4	62.2	61.6	60.9	60.4	39.5	59.1	60.8	61.7	62.6	59.2							
180	39.7	55.3	61.0	62.9	62.1	58.3	39.7	55.3	61.0	62.9	62.1	58.2							

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: