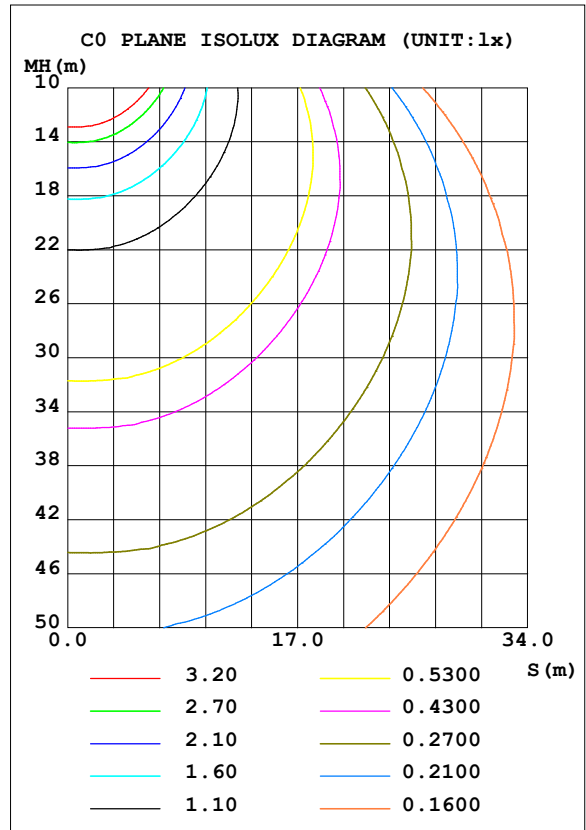
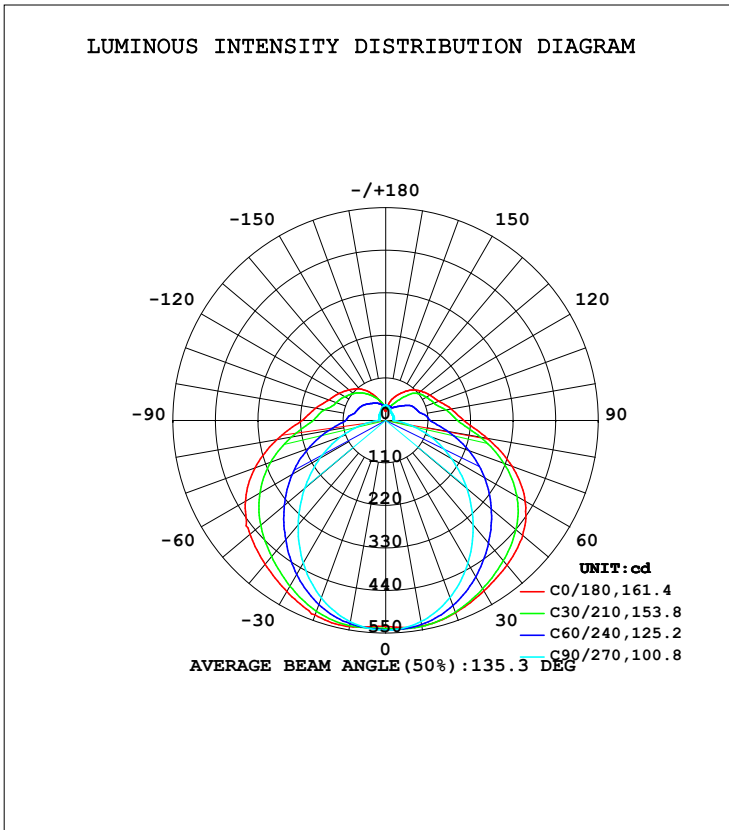


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2080A P:24.70W PF:0.9870 Freq:60.00Hz Lamp Flux:2558.43x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.58 lm/W			
MODEL		I <sub>max</sub> (cd)	542.4	S/MH (C0/180)	1.44
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2558.4	η UP, DN (C0-180)	10.5, 39.3
NOMINAL FLUX (lm)	2558.43	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	10.7, 39.5
LAMPS INSIDE	1	η up (%)	21.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	78.8	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-04-17

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	540.0	538.0	527.9	534.5	541.2	536.0	528.4	538.5	0- 10	51.38	51.38	2.01,2.01
20	529.1	518.4	487.1	510.5	534.7	515.6	487.7	515.9	10- 20	148.8	200.2	7.83,7.83
30	508.7	484.4	425.8	468.5	511.1	477.4	426.4	477.9	20- 30	228.4	428.6	16.8,16.8
40	488.4	443.7	351.9	417.6	485.2	431.0	352.3	431.7	30- 40	282.7	711.3	27.8,27.8
50	462.1	398.2	274.5	363.3	458.1	382.0	273.9	380.9	40- 50	310.9	1022	40,40
60	415.5	344.1	196.5	305.2	418.9	327.7	196.8	323.1	50- 60	312.1	1334	52.2,52.2
70	347.9	277.3	124.2	241.8	359.7	264.7	123.2	256.0	60- 70	284.1	1618	63.3,63.3
80	266.9	206.1	59.50	175.5	285.3	198.1	57.47	186.9	70- 80	230.4	1849	72.3,72.3
90	202.3	150.9	21.07	126.3	216.3	145.9	18.18	135.6	80- 90	167.9	2017	78.8,78.8
100	172.4	128.4	19.99	108.4	184.4	124.9	17.57	115.3	90-100	133.1	2150	84,84
110	146.8	109.0	21.63	94.08	156.2	107.6	18.80	99.00	100-110	109.3	2259	88.3,88.3
120	132.2	99.14	22.23	86.56	140.0	98.27	20.56	89.27	110-120	92.11	2351	91.9,91.9
130	118.5	84.45	22.92	77.34	123.8	87.38	22.29	74.80	120-130	74.79	2426	94.8,94.8
140	103.0	65.89	24.10	67.65	106.9	75.48	24.18	58.74	130-140	56.07	2482	97,97
150	82.37	47.95	26.66	57.38	85.13	63.42	27.48	45.57	140-150	37.82	2520	98.5,98.5
160	63.48	38.84	32.31	48.24	60.05	52.72	32.82	38.98	150-160	23.09	2543	99.4,99.4
170	43.43	34.97	37.33	40.61	30.99	42.29	37.82	38.03	160-170	11.95	2555	99.9,99.9
180	23.84	36.60	40.76	38.47	23.83	36.62	40.79	38.47	170-180	3.545	2558	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 864.84 lm

%lum = 33.8%

%lamp = 33.8%

Conical surface Flux(120deg): 1334.2 lm

%lum = 52.2%

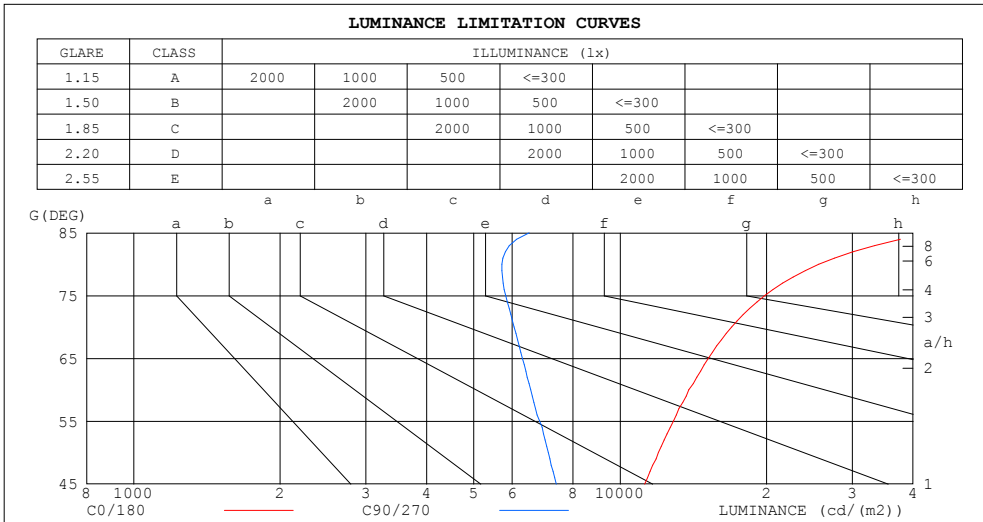
%lamp = 52.2%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-17

$\gamma$  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:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.2080A P:24.70W PF:0.9870 Freq:60.00Hz Lamp Flux:2558.43x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	43830	6494
80	25620	5711
75	19811	5820
70	16955	6051
65	15184	6297
60	13850	6550
55	12863	6832
50	11983	7118
45	11237	7387

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-17

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:0.2080A P:24.70W PF:0.9870 Freq:60.00Hz Lamp Flux:2558.43x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36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	.205	.065	.335	.192	.061	.311	.179	.058	.289	.168	.054	
2.0	.326	.179	.055	.314	.173	.053	.291	.162	.050	.270	.151	.047	.250	.141	.045	
3.0	.291	.155	.046	.280	.150	.045	.259	.140	.043	.240	.131	.040	.222	.123	.038	
4.0	.263	.137	.040	.253	.132	.039	.234	.124	.037	.216	.116	.035	.200	.108	.033	
5.0	.239	.122	.035	.230	.118	.034	.213	.111	.033	.197	.104	.031	.182	.097	.029	
6.0	.220	.110	.032	.211	.107	.031	.195	.100	.029	.181	.094	.028	.167	.088	.026	
7.0	.203	.100	.028	.195	.097	.028	.180	.091	.026	.167	.086	.025	.154	.080	.024	
8.0	.188	.092	.026	.181	.089	.025	.168	.084	.024	.155	.079	.023	.143	.074	.021	
9.0	.175	.085	.024	.169	.082	.023	.157	.077	.022	.145	.073	.021	.134	.068	.020	
10.0	.164	.079	.022	.158	.076	.021	.147	.072	.020	.136	.068	.019	.126	.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	.352	.352	.352	.301	.301	.301	.205	.205	.205	.118	.118	.118	.038	.038	.038	
1.0	.347	.318	.292	.297	.273	.251	.203	.188	.174	.117	.109	.101	.037	.035	.033	
2.0	.341	.296	.258	.292	.254	.223	.200	.176	.155	.115	.102	.091	.037	.033	.030	
3.0	.333	.279	.236	.286	.241	.205	.196	.167	.143	.113	.098	.085	.036	.032	.028	
4.0	.326	.267	.222	.279	.230	.193	.192	.161	.136	.111	.094	.080	.036	.031	.026	
5.0	.318	.257	.212	.273	.222	.184	.188	.155	.130	.109	.091	.077	.035	.030	.025	
6.0	.311	.249	.205	.267	.216	.178	.184	.151	.126	.107	.089	.075	.034	.029	.025	
7.0	.304	.242	.200	.261	.210	.174	.181	.147	.123	.105	.087	.073	.034	.028	.024	
8.0	.297	.237	.196	.256	.206	.171	.177	.144	.121	.103	.085	.072	.033	.028	.024	
9.0	.291	.232	.193	.251	.202	.168	.174	.142	.119	.101	.084	.071	.033	.027	.024	
10.0	.285	.228	.190	.246	.198	.166	.171	.139	.118	.099	.082	.070	.032	.027	.023	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-17

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:0.2080A P:24.70W PF:0.9870 Freq:60.00Hz Lamp Flux:2558.43x1 lm										
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: 革星					SUR.:36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	17.9	19.2	18.4	19.7	20.4	15.2	16.5	15.7	17.0	17.6
3H	20.4	21.6	21.0	22.2	22.9	16.7	17.9	17.2	18.5	19.1
4H	21.7	22.9	22.3	23.5	24.2	17.3	18.5	17.9	19.1	19.7
6H	23.1	24.2	23.7	24.8	25.5	17.8	18.9	18.4	19.5	20.2
8H	23.8	24.9	24.5	25.5	26.2	18.0	19.0	18.6	19.7	20.4
12H	24.7	25.7	25.3	26.3	27.1	18.2	19.2	18.8	19.8	20.5
4H 2H	18.4	19.6	19.0	20.2	20.8	16.5	17.7	17.1	18.3	18.9
3H	21.2	22.2	21.8	22.9	23.6	18.3	19.3	18.9	20.0	20.7
4H	22.7	23.6	23.4	24.3	25.1	19.1	20.1	19.8	20.7	21.5
6H	24.3	25.1	25.0	25.8	26.6	19.9	20.7	20.5	21.4	22.2
8H	25.2	25.9	25.9	26.6	27.5	20.1	20.9	20.8	21.6	22.4
12H	26.1	26.8	26.8	27.6	28.4	20.4	21.1	21.1	21.8	22.6
8H 4H	23.0	23.8	23.7	24.5	25.3	20.2	21.0	20.9	21.7	22.5
6H	24.9	25.6	25.7	26.3	27.2	21.3	22.0	22.1	22.7	23.6
8H	26.0	26.6	26.8	27.3	28.2	21.9	22.4	22.6	23.2	24.1
12H	27.2	27.7	28.0	28.5	29.4	22.3	22.8	23.1	23.6	24.5
12H 4H	23.1	23.8	23.8	24.5	25.3	20.5	21.3	21.3	22.0	22.8
6H	25.1	25.6	25.8	26.4	27.3	21.9	22.4	22.6	23.2	24.1
8H	26.2	26.7	27.0	27.5	28.4	22.6	23.1	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, 2558 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.3)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-17

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:0.2080A P:24.70W PF:0.9870 Freq:60.00Hz Lamp Flux:2558.43x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:

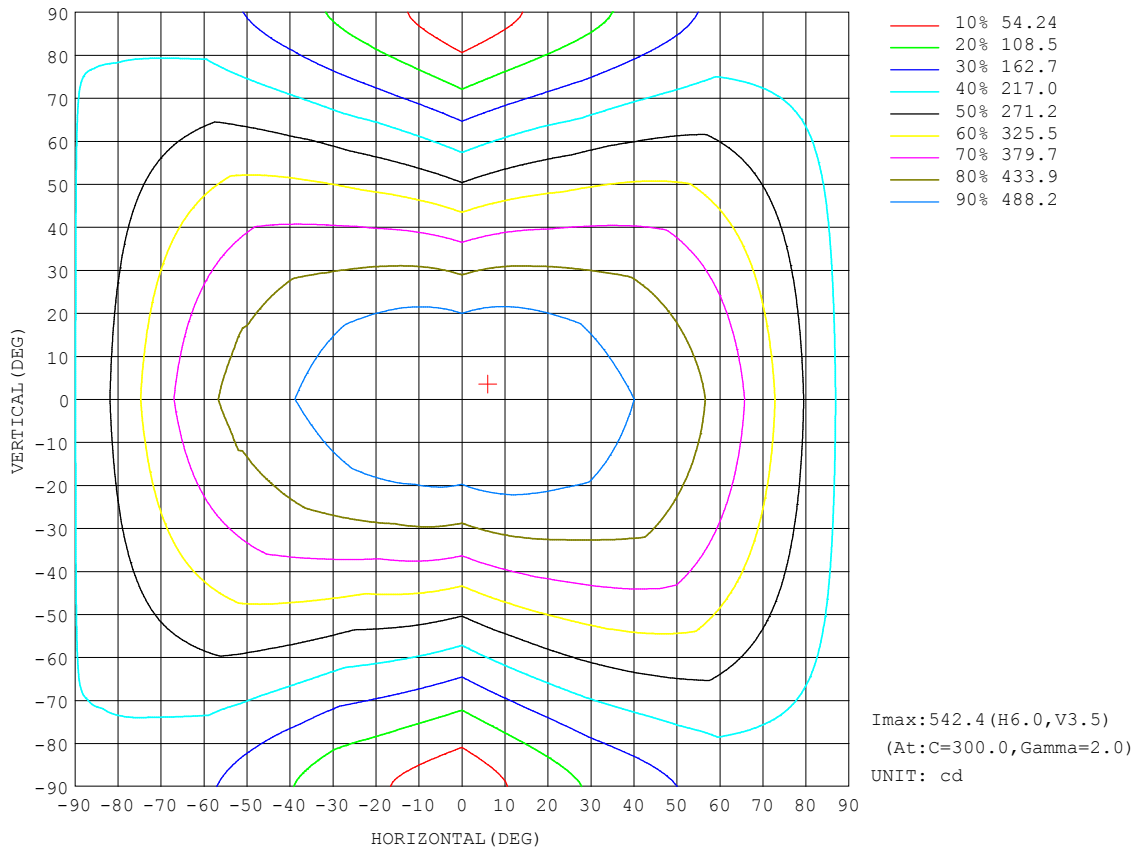
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	28	46	34	27	44	33	27	20
0.80	56	44	36	55	43	35	52	41	34	26
1.00	64	51	43	62	50	42	58	50	41	32
1.25	71	59	50	69	57	49	64	54	47	37
1.50	76	64	56	73	62	54	68	59	52	41
2.00	84	73	64	80	70	63	74	66	60	47
2.50	88	78	70	84	75	68	78	70	64	51
3.00	92	83	75	88	80	73	81	74	69	54
4.00	97	89	82	92	85	80	85	79	74	59
5.00	99	93	87	95	89	84	87	82	78	62
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:2024-04-17

$\gamma$  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:0.2080A P:24.70W PF:0.9870 Freq:60.00Hz Lamp Flux:2558.43x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:

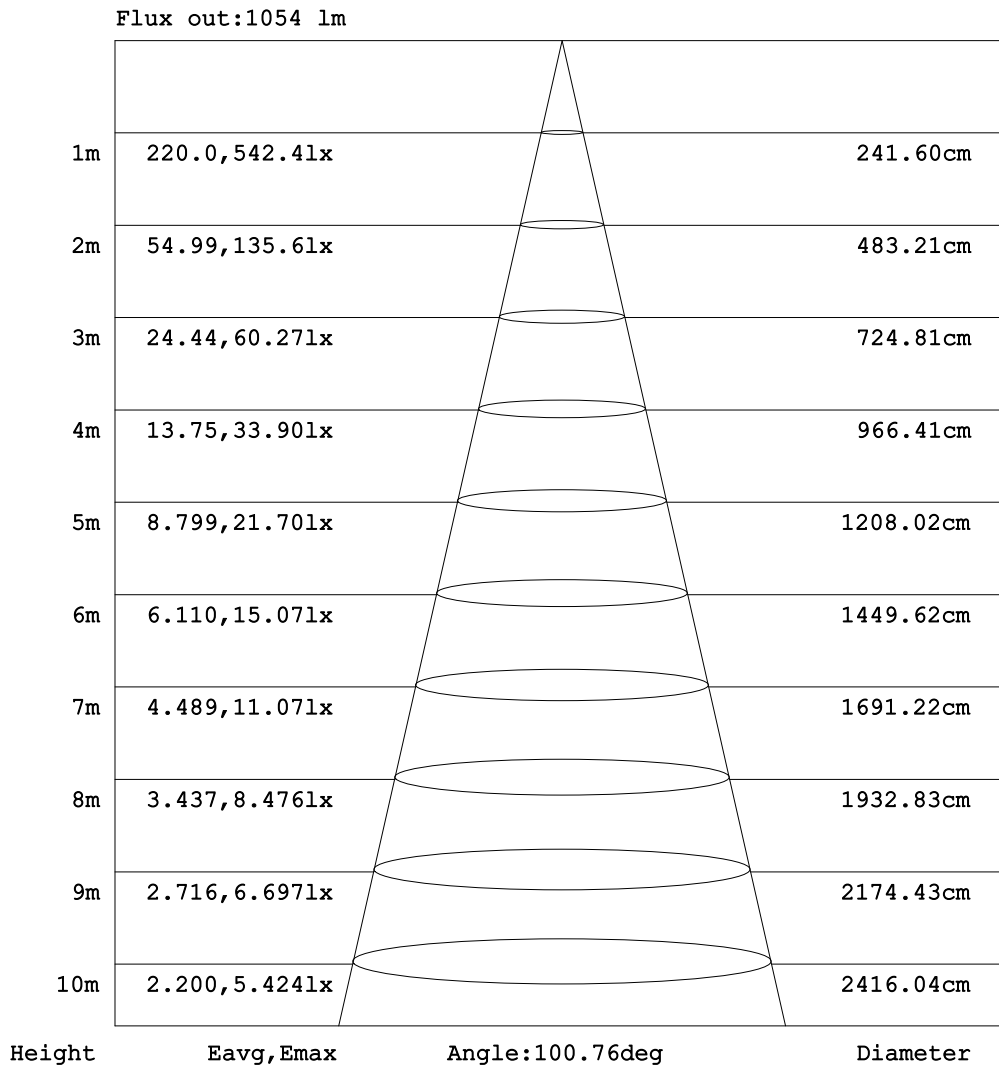


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-17

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:0.2080A P:24.70W PF:0.9870 Freq:60.00Hz Lamp Flux:2558.43x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:



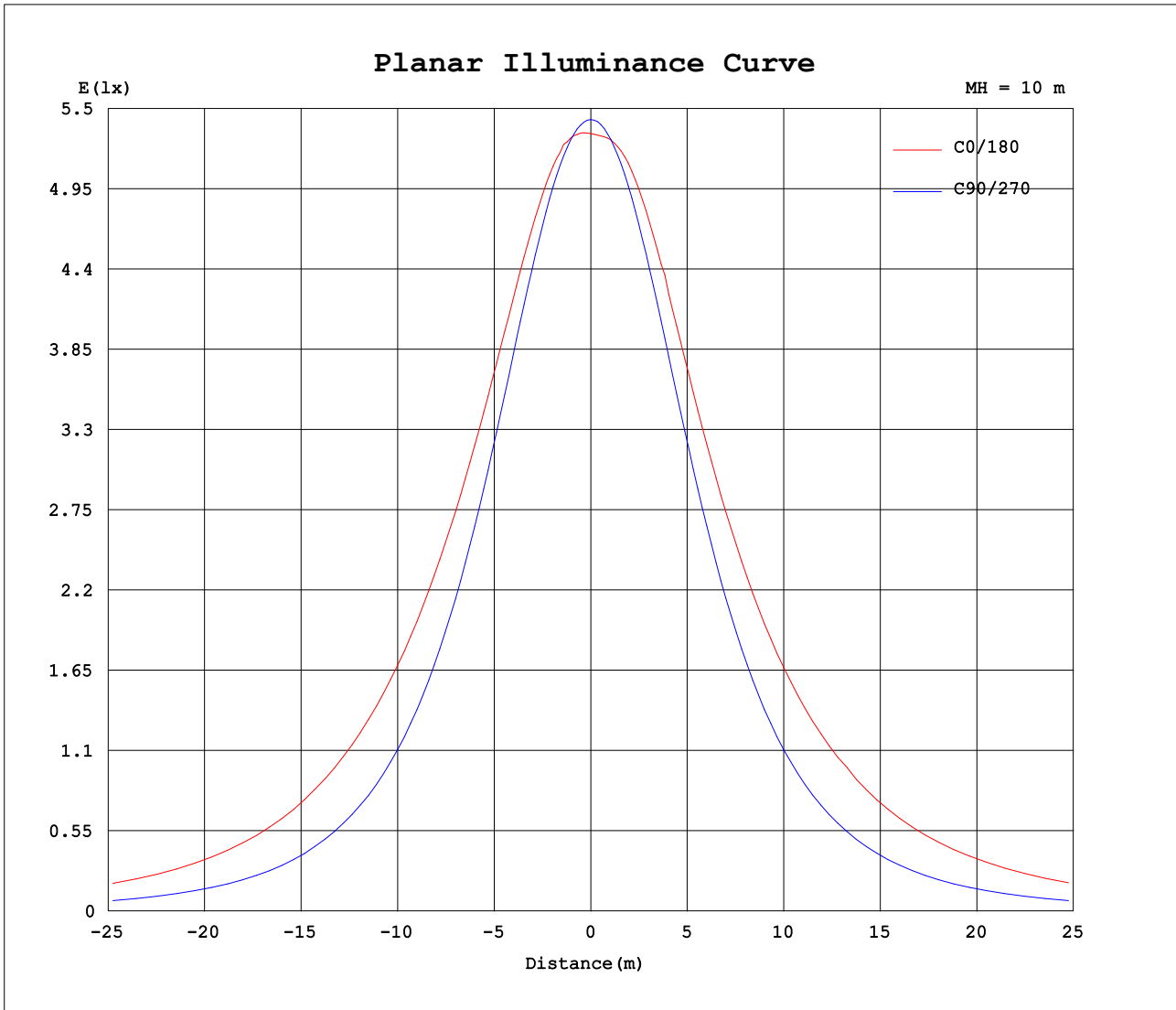
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-04-17

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:2024-04-17

$\gamma$  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:0.2080A P:24.70W PF:0.9870 Freq:60.00Hz Lamp Flux:2558.43x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	533	538	541	542	542	540	533	538	541	542	542	540							
5	538	541	541	539	538	539	536	538	538	539	542	542							
10	540	541	535	528	531	538	541	539	533	528	536	541							
15	537	536	525	510	518	532	541	534	523	511	524	535							
20	529	527	509	487	500	521	535	525	507	488	507	525							
25	520	516	489	459	476	506	524	511	485	459	485	511							
30	509	502	466	426	449	488	511	495	460	426	460	496							
35	499	488	441	390	419	468	498	477	432	390	432	479							
40	488	473	414	352	387	448	485	459	403	352	402	461							
45	477	458	386	313	354	427	472	441	373	313	371	443							
50	462	440	357	275	321	406	458	422	342	274	340	422							
55	443	418	327	235	288	382	441	400	311	235	307	399							
60	416	393	296	196	254	356	419	376	280	197	275	372							
65	385	361	263	160	221	328	392	348	247	160	241	341							
70	348	325	229	124	188	296	360	316	213	123	205	306							
75	308	287	195	90.4	155	263	324	282	181	88.7	172	270							
80	267	249	163	59.5	124	227	285	247	149	57.5	140	234							
85	229	212	134	34.0	96.5	195	248	214	122	31.6	112	200							
90	202	186	115	21.1	80.8	172	216	188	104	18.2	94.8	176							
95	186	172	108	20.2	77.2	160	199	175	98.0	17.6	88.8	163							
100	172	159	98.0	20.0	70.5	146	184	160	89.2	17.6	80.4	150							
105	159	143	88.7	20.7	65.0	131	169	144	81.7	18.0	74.1	134							
110	147	133	84.8	21.6	63.0	125	156	136	79.0	18.8	71.2	127							
115	139	127	81.1	22.2	61.7	120	148	130	76.3	19.7	67.9	120							
120	132	121	76.8	22.2	59.6	114	140	123	73.5	20.6	64.3	114							
125	126	116	68.6	22.5	56.5	107	132	116	70.0	21.4	57.9	107							
130	118	109	60.1	22.9	53.6	101	124	109	65.8	22.3	52.1	97.5							
135	112	99.4	53.1	23.5	51.2	94.1	116	102	61.5	23.2	47.1	86.1							
140	103	84.1	47.7	24.1	49.3	86.0	107	93.1	57.8	24.2	43.1	74.4							
145	92.9	68.9	42.9	24.7	47.4	77.5	96.7	83.8	54.8	25.1	39.5	63.8							
150	82.4	57.0	38.9	26.7	45.3	69.5	85.1	74.8	52.1	27.5	36.8	54.3							
155	72.7	47.6	37.1	29.6	42.9	62.4	72.6	66.5	49.3	30.1	37.0	46.5							
160	63.5	40.0	37.7	32.3	40.5	56.0	60.0	59.1	46.3	32.8	38.1	39.8							
165	53.9	33.9	38.0	34.9	38.7	49.4	45.0	51.7	43.1	35.5	38.9	36.9							
170	43.4	31.6	38.3	37.3	38.4	42.9	31.0	44.0	40.6	37.8	39.4	36.7							
175	31.5	32.1	38.5	39.3	38.9	38.3	26.4	37.3	39.1	39.9	39.7	36.3							
180	23.8	34.0	39.2	40.8	40.1	36.9	23.8	34.0	39.2	40.8	40.1	36.9							

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-17

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: