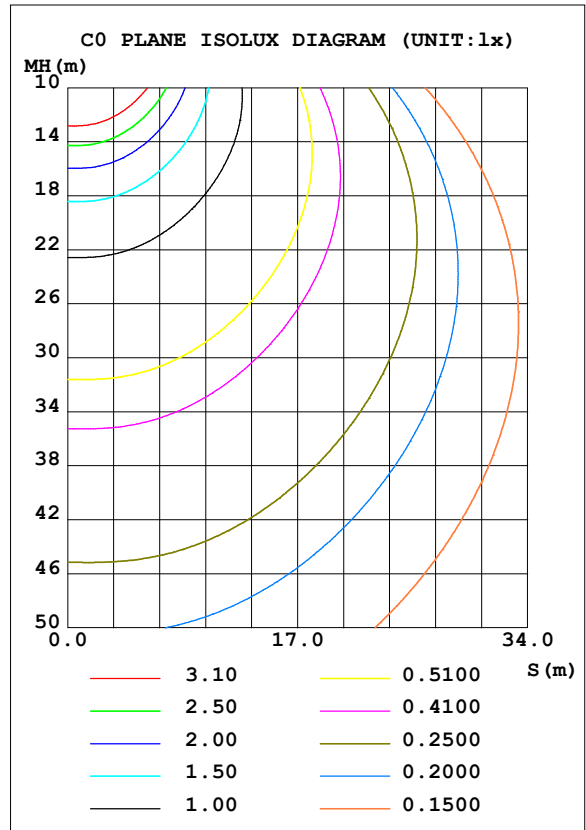
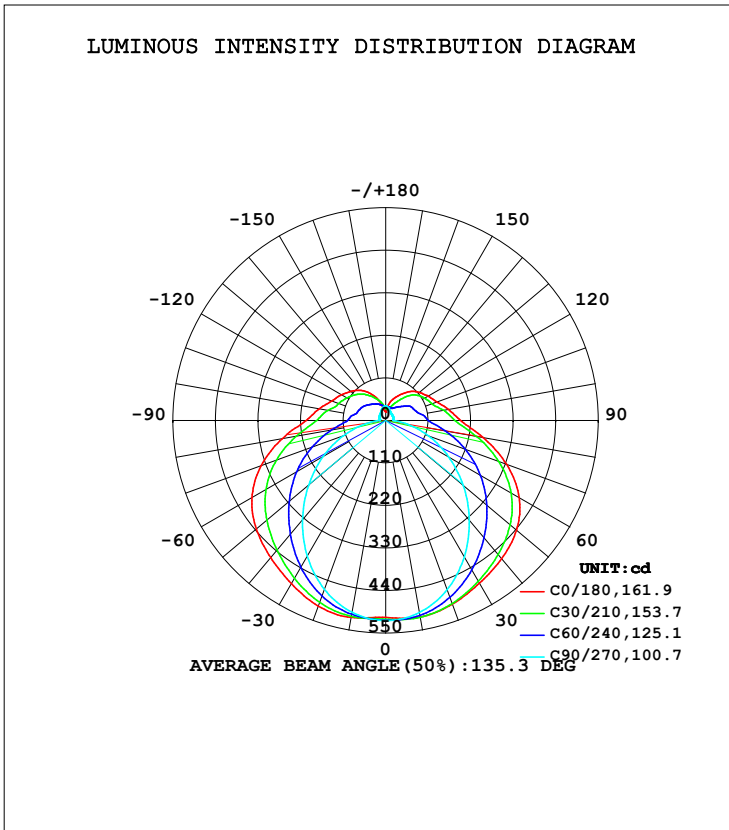


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2120A P:25.20W PF:0.9880 Freq:60.00Hz Lamp Flux:2439.82x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.82 lm/W			
MODEL		I <sub>max</sub> (cd)	518.0	S/MH (C0/180)	1.43
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.17
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2439.8	η UP, DN (C0-180)	10.5, 39.4
NOMINAL FLUX (lm)	2439.82	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	516.1	514.0	504.0	509.5	517.2	511.5	503.6	513.0	0- 10	49.02	49.02	2.01,2.01
20	505.2	495.1	465.4	486.5	510.7	491.7	464.4	491.4	10- 20	142.0	191.0	7.83,7.83
30	485.8	462.7	407.0	446.7	487.9	455.0	405.7	455.0	20- 30	217.8	408.8	16.8,16.8
40	466.6	424.1	336.5	398.0	462.8	410.5	334.9	411.1	30- 40	269.6	678.4	27.8,27.8
50	441.6	380.7	262.3	346.2	436.7	363.5	260.1	362.9	40- 50	296.5	974.9	40,40
60	398.6	328.6	187.9	291.0	399.3	311.9	186.9	307.8	50- 60	297.6	1273	52.2,52.2
70	333.0	265.5	118.9	230.5	342.7	251.7	116.4	243.8	60- 70	270.9	1543	63.3,63.3
80	255.7	197.2	57.02	167.0	271.8	188.3	54.40	178.1	70- 80	219.7	1763	72.3,72.3
90	194.2	145.0	20.08	120.4	205.8	138.5	17.29	129.2	80- 90	160.2	1923	78.8,78.8
100	165.5	123.3	19.05	103.2	175.3	118.5	16.73	110.0	90-100	127.1	2050	84,84
110	140.8	104.1	20.58	89.64	148.5	102.2	17.90	93.69	100-110	104.2	2155	88.3,88.3
120	126.8	95.16	21.17	82.54	132.9	93.27	19.60	85.10	110-120	87.78	2242	91.9,91.9
130	113.3	80.02	21.68	73.76	117.4	83.31	21.23	71.93	120-130	71.33	2314	94.8,94.8
140	97.97	62.68	22.75	64.61	102.1	72.11	23.02	55.94	130-140	53.42	2367	97,97
150	77.59	45.88	25.13	54.79	81.22	60.68	26.14	43.38	140-150	36.07	2403	98.5,98.5
160	59.71	36.65	30.52	46.03	57.19	50.41	31.20	36.89	150-160	21.98	2425	99.4,99.4
170	41.09	32.83	35.24	38.74	29.26	40.41	35.94	35.88	160-170	11.34	2436	99.9,99.9
180	22.06	34.52	38.57	36.35	22.09	34.57	38.58	36.36	170-180	3.351	2440	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 824.87 lm

%lum = 33.8%  
%lamp = 33.8%

Conical surface Flux(120deg): 1272.5 lm

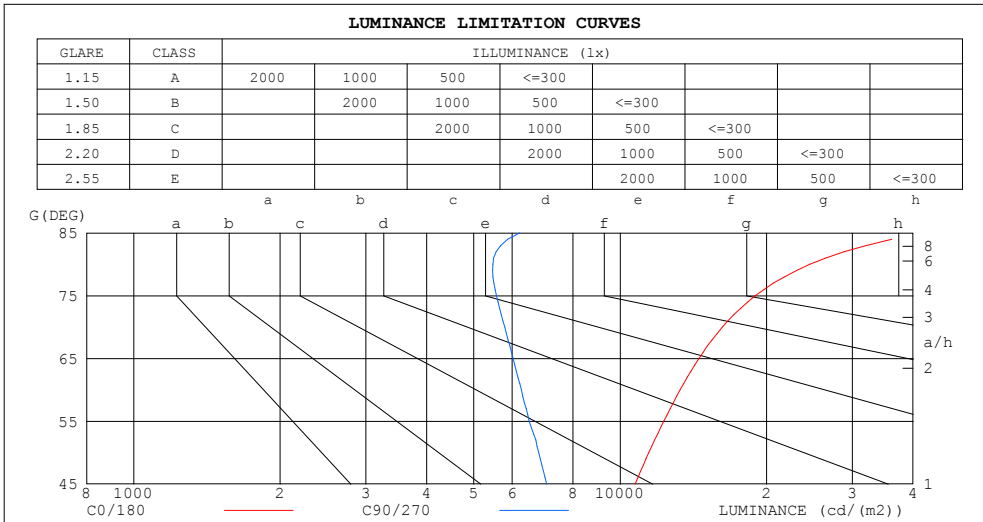
%lum = 52.2%  
%lamp = 52.2%

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:0.2120A P:25.20W PF:0.9880 Freq:60.00Hz Lamp Flux:2439.82x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	42033	6214
80	24546	5473
75	18963	5570
70	16225	5792
65	14523	6023
60	13288	6263
55	12293	6499
50	11451	6801
45	10737	7058

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:0.2120A P:25.20W PF:0.9880 Freq:60.00Hz Lamp Flux:2439.82x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 2700K	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	.295	.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	.199	.261	.210	.174	.180	.147	.123	.105	.087	.073	.034	.028	.024	
8.0	.297	.237	.196	.256	.205	.170	.177	.144	.121	.103	.085	.072	.033	.028	.024	
9.0	.291	.232	.192	.251	.201	.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:0.2120A P:25.20W PF:0.9880 Freq:60.00Hz Lamp Flux:2439.82x1 lm										
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 2700K					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	19.8	20.4	15.2	16.5	15.7	17.0	17.7
3H	20.4	21.6	21.0	22.2	22.9	16.7	17.9	17.3	18.5	19.1
4H	21.7	22.9	22.3	23.5	24.2	17.3	18.5	17.9	19.1	19.8
6H	23.1	24.2	23.7	24.8	25.5	17.8	18.9	18.4	19.5	20.2
8H	23.9	24.9	24.5	25.5	26.3	18.0	19.1	18.6	19.7	20.4
12H	24.7	25.7	25.4	26.4	27.1	18.2	19.2	18.8	19.8	20.6
4H 2H	18.4	19.6	19.0	20.2	20.9	16.5	17.7	17.1	18.3	19.0
3H	21.2	22.2	21.9	22.9	23.6	18.3	19.3	19.0	20.0	20.7
4H	22.7	23.7	23.4	24.3	25.1	19.2	20.1	19.8	20.8	21.5
6H	24.3	25.2	25.0	25.8	26.6	19.9	20.7	20.6	21.4	22.2
8H	25.2	26.0	25.9	26.7	27.5	20.2	20.9	20.9	21.6	22.5
12H	26.2	26.9	26.9	27.6	28.4	20.4	21.1	21.1	21.8	22.7
8H 4H	23.1	23.8	23.8	24.5	25.4	20.3	21.0	21.0	21.7	22.6
6H	25.0	25.6	25.7	26.3	27.2	21.4	22.0	22.1	22.7	23.6
8H	26.0	26.6	26.8	27.4	28.2	21.9	22.5	22.6	23.2	24.1
12H	27.3	27.8	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	20.6	21.3	21.3	22.0	22.8
6H	25.1	25.7	25.8	26.4	27.3	21.9	22.5	22.6	23.2	24.1
8H	26.3	26.8	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, 2440 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.1)

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:0.2120A P:25.20W PF:0.9880 Freq:60.00Hz Lamp Flux:2439.82x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:

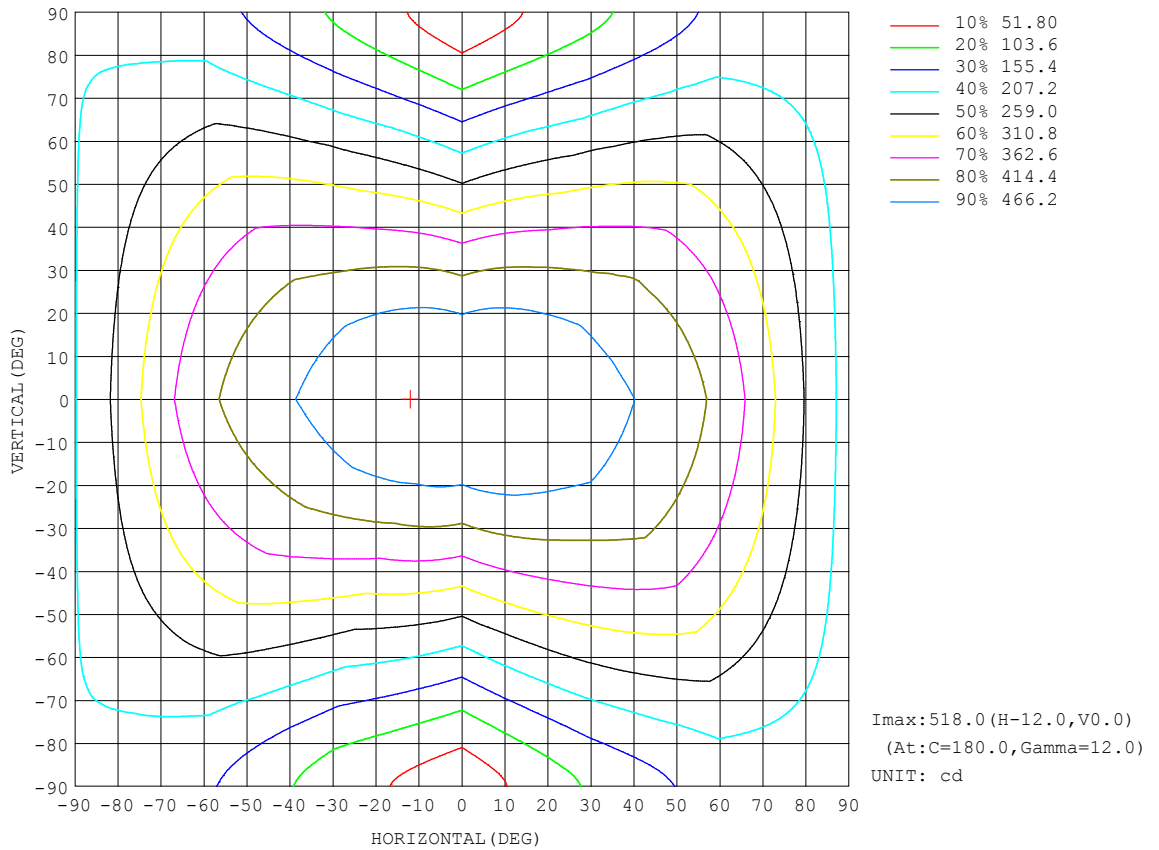
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	28	46	34	27	44	33	27	20
0.80	56	44	36	55	43	35	52	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:0.2120A P:25.20W PF:0.9880 Freq:60.00Hz Lamp Flux:2439.82x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:

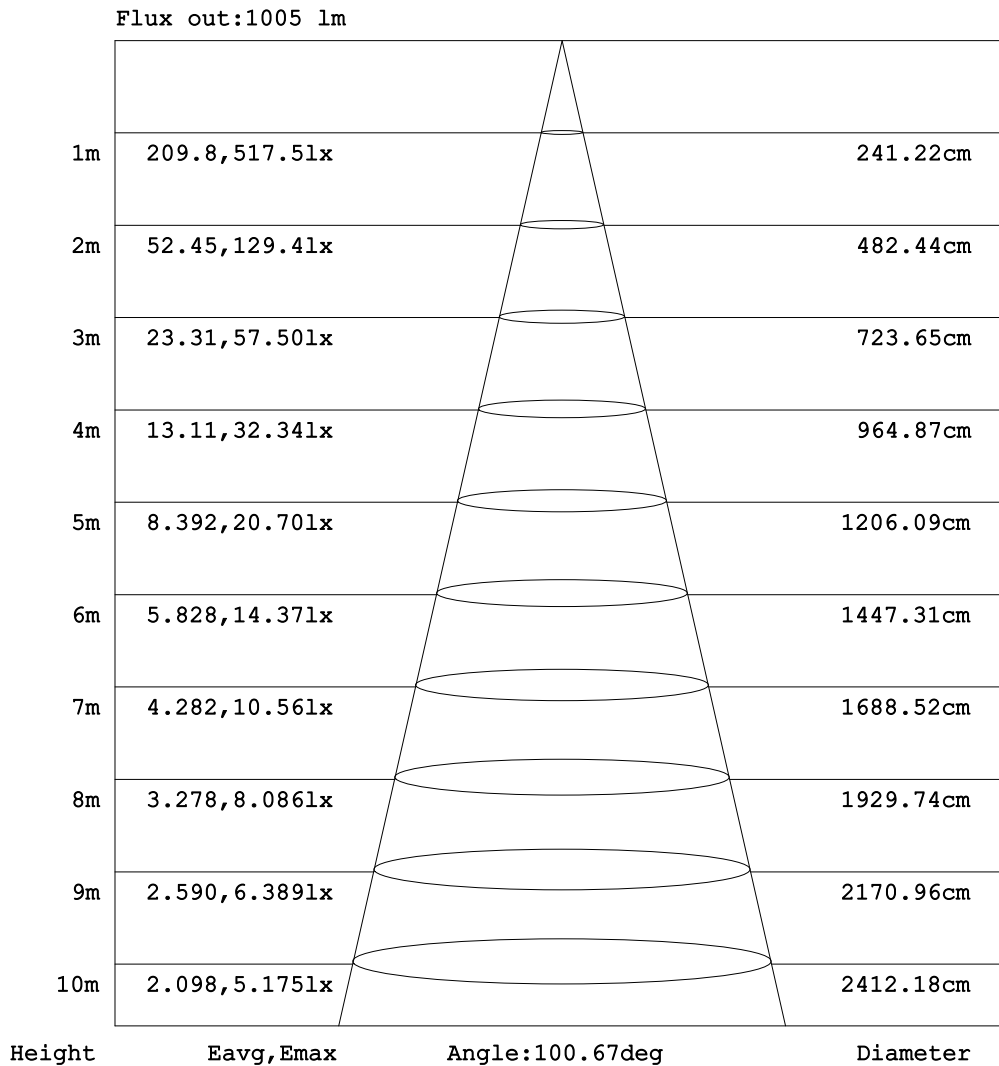


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-17

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:0.2120A P:25.20W PF:0.9880 Freq:60.00Hz Lamp Flux:2439.82x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:36寸	Shielding Angle:



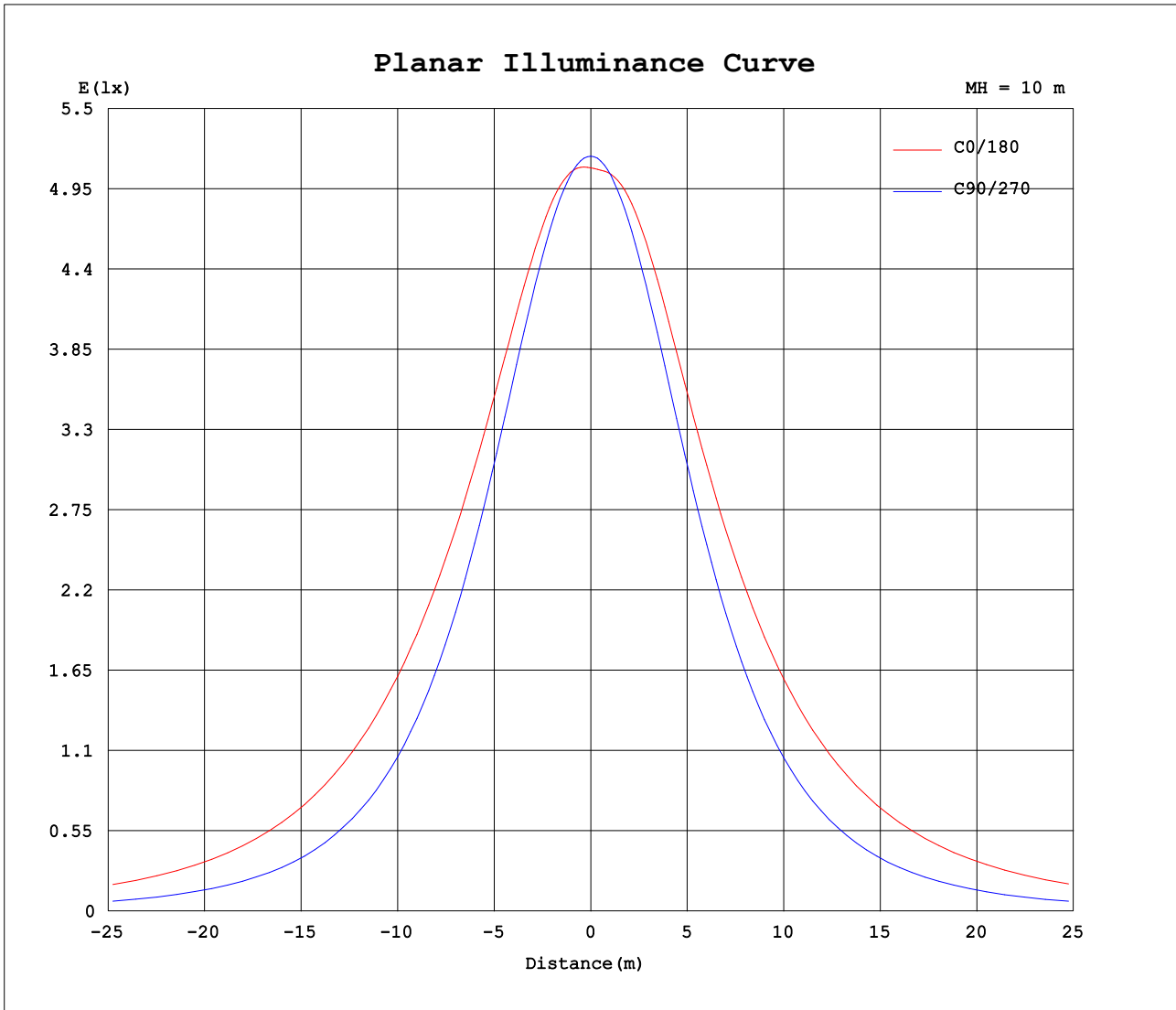
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.2120A P:25.20W PF:0.9880 Freq:60.00Hz Lamp Flux:2439.82x1 lm		
NAME: LVF1S-36-26-95C-MVUD-NS 整灯 2700K	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	509	514	517	517	517	514	509	514	517	517	517	514							
5	514	516	516	514	513	514	512	514	514	514	516	517							
10	516	516	511	504	506	513	517	514	509	504	510	516							
15	513	512	501	488	494	507	517	510	499	487	499	510							
20	505	504	486	465	477	496	511	500	483	464	483	500							
25	496	492	468	438	454	482	500	487	462	437	462	487							
30	486	480	446	407	428	465	488	472	439	406	438	472							
35	476	466	422	373	400	446	475	455	412	371	411	456							
40	467	452	396	336	369	427	463	437	384	335	383	440							
45	456	437	369	299	338	407	450	420	355	298	353	422							
50	442	420	341	262	306	387	437	401	326	260	323	403							
55	423	400	312	224	274	364	420	381	296	223	292	380							
60	399	375	283	188	242	340	399	358	266	187	261	354							
65	368	345	251	153	210	312	373	331	235	152	228	325							
70	333	312	219	119	178	283	343	301	203	116	195	292							
75	294	275	187	86.5	147	250	308	268	172	84.0	164	258							
80	256	238	156	57.0	117	217	272	234	142	54.4	133	223							
85	220	203	129	32.5	91.7	186	236	203	116	29.9	107	191							
90	194	179	111	20.1	76.8	164	206	179	98.5	17.3	90.1	168							
95	178	165	104	19.3	73.3	153	189	166	93.3	16.7	84.4	156							
100	165	153	93.7	19.0	66.8	140	175	152	84.8	16.7	76.6	143							
105	152	138	84.7	19.7	61.8	125	161	137	77.7	17.2	70.1	128							
110	141	128	80.1	20.6	59.9	119	148	129	75.1	17.9	67.4	120							
115	133	122	77.3	21.2	58.6	114	141	123	72.6	18.8	64.9	114							
120	127	116	73.9	21.2	56.7	108	133	117	70.0	19.6	61.0	109							
125	120	110	65.7	21.3	53.8	102	125	110	66.7	20.4	55.1	103							
130	113	103	57.3	21.7	51.0	96.5	117	104	62.8	21.2	49.6	94.2							
135	107	93.1	50.9	22.2	48.8	89.9	110	96.8	58.8	22.1	44.9	82.6							
140	98.0	79.7	45.6	22.7	46.9	82.3	102	89.0	55.3	23.0	40.9	71.0							
145	87.6	66.2	41.0	23.3	45.1	74.1	92.8	80.3	52.3	23.9	37.6	60.8							
150	77.6	54.8	37.0	25.1	43.1	66.4	81.2	71.7	49.7	26.1	35.0	51.7							
155	68.3	45.3	35.2	27.9	41.0	59.6	69.8	63.7	47.1	28.6	35.2	43.9							
160	59.7	37.6	35.7	30.5	38.6	53.5	57.2	56.6	44.3	31.2	36.2	37.6							
165	50.9	31.7	36.0	33.0	36.8	47.4	42.8	49.5	41.3	33.7	36.9	34.6							
170	41.1	29.4	36.2	35.2	36.4	41.1	29.3	42.0	38.8	35.9	37.4	34.4							
175	29.3	29.9	36.4	37.2	36.8	36.3	24.6	35.4	37.2	37.7	37.7	34.2							
180	22.1	32.0	37.1	38.6	37.9	34.8	22.1	32.1	37.1	38.6	37.9	34.8							

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: