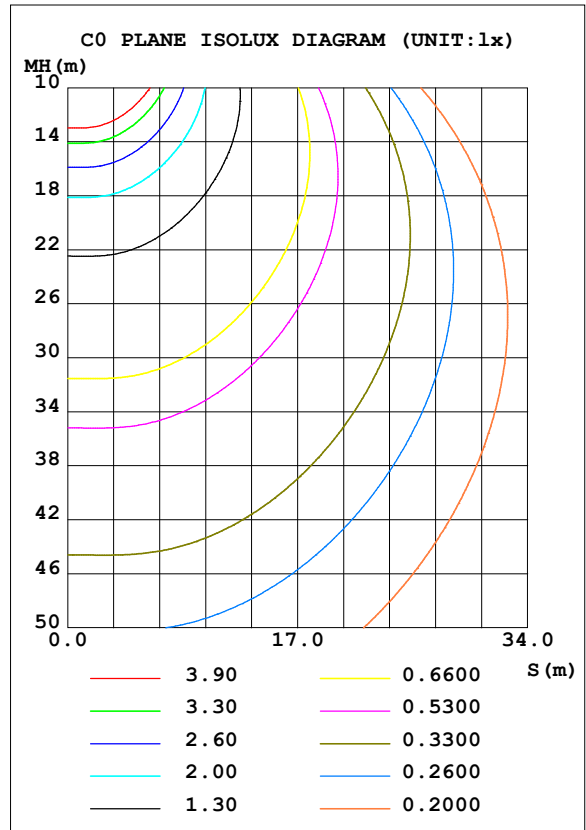
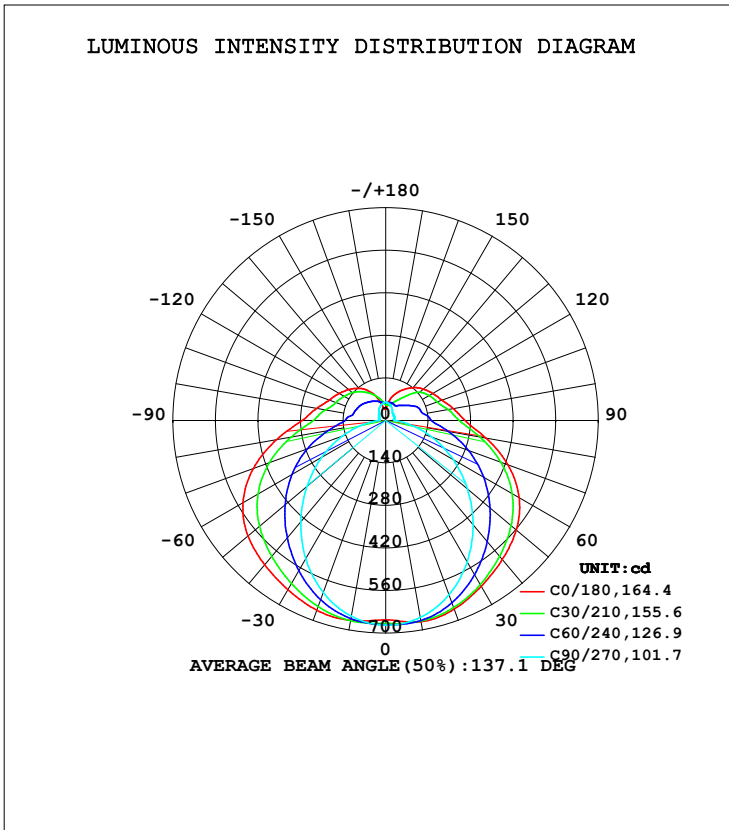


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2890A P:34.40W PF:0.9890 Freq:60.00Hz Lamp Flux:3245.58x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.35 lm/W			
MODEL		I _{max} (cd)	673.6	S/MH (C0/180)	1.47
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.17
RATED VOLTAGE (V)		TOTAL FLUX (lm)	3245.6	η UP, DN (C0-180)	11.0, 39.0
NOMINAL FLUX (lm)	3245.58	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.0, 39.0
LAMPS INSIDE	1	η up (%)	22.0	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	78.0	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	672.6	669.3	658.2	666.6	667.5	665.6	654.0	666.2	0- 10	63.78	63.78	1.97,1.97
20	660.5	646.9	610.5	638.0	664.5	639.6	602.4	637.1	10- 20	185.0	248.8	7.67,7.67
30	630.0	604.6	537.1	589.4	643.4	595.7	526.1	588.5	20- 30	284.4	533.2	16.4,16.4
40	597.4	551.9	447.7	530.5	620.0	544.0	434.8	529.0	30- 40	353.0	886.2	27.3,27.3
50	561.1	493.6	351.8	466.1	591.6	487.2	338.3	463.7	40- 50	389.3	1276	39.3,39.3
60	507.3	426.3	256.5	394.6	542.6	420.9	243.2	391.9	50- 60	391.9	1667	51.4,51.4
70	428.6	347.1	163.3	313.5	463.7	341.1	152.5	311.7	60- 70	358.0	2026	62.4,62.4
80	335.1	262.0	80.94	228.1	364.6	253.8	70.30	228.4	70- 80	291.6	2317	71.4,71.4
90	261.2	196.8	28.40	159.9	275.0	186.3	23.99	169.6	80- 90	214.0	2531	78,78
100	226.5	168.6	26.54	135.2	230.7	156.6	23.39	147.1	90-100	170.0	2701	83.2,83.2
110	197.2	148.9	29.86	120.0	197.5	139.6	25.43	132.8	100-110	142.4	2844	87.6,87.6
120	178.8	131.7	30.24	110.8	177.9	128.4	27.78	115.2	110-120	121.0	2965	91.3,91.3
130	162.1	111.6	31.88	100.8	158.9	116.4	30.69	95.69	120-130	98.12	3063	94.4,94.4
140	141.5	85.30	34.70	90.52	138.5	103.0	34.91	77.16	130-140	74.17	3137	96.7,96.7
150	117.3	67.93	44.03	79.64	111.5	88.72	44.27	66.65	140-150	51.92	3189	98.2,98.2
160	93.14	60.03	51.83	69.47	78.37	75.36	51.41	61.13	150-160	33.52	3222	99.3,99.3
170	64.98	56.44	57.63	60.98	43.45	62.36	57.12	59.89	160-170	17.88	3240	99.8,99.8
180	38.02	55.89	60.38	57.82	38.04	55.89	60.42	57.80	170-180	5.405	3246	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1078.4 lm

%lum = 33.2%
%lamp = 33.2%

Conical surface Flux(120deg): 1667.5 lm

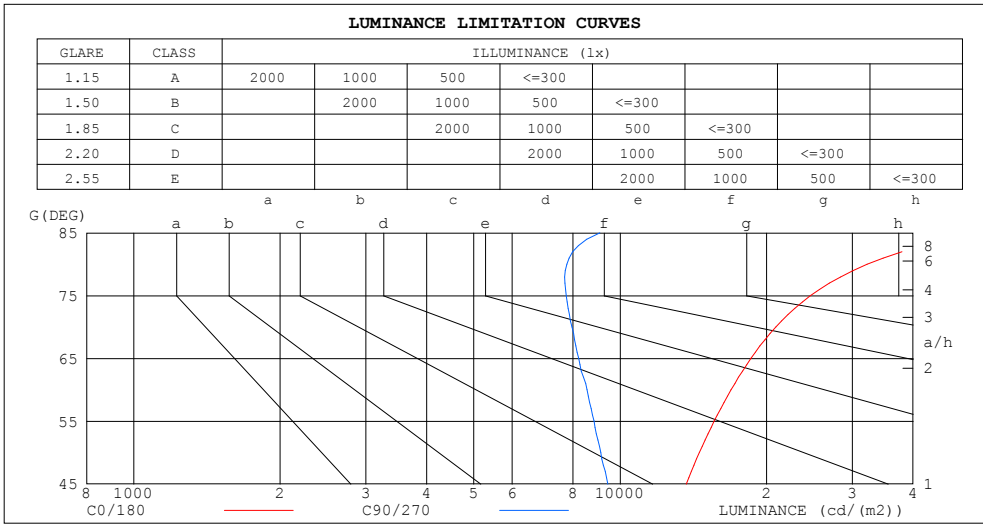
%lum = 51.4%
%lamp = 51.4%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.2890A P:34.40W PF:0.9890 Freq:60.00Hz Lamp Flux:3245.58x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	55682	9089
80	32162	7769
75	24605	7746
70	20884	7960
65	18568	8213
60	16910	8550
55	15609	8835
50	14548	9123
45	13683	9433

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:0.2890A P:34.40W PF:0.9890 Freq:60.00Hz Lamp Flux:3245.58x1 lm						
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3000K			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	.205	.065	.334	.192	.061	.310	.179	.057	.288	.167	.054	
2.0	.326	.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	.298	.303	.279	.257	.207	.192	.178	.119	.111	.103	.038	.036	.033	
2.0	.347	.302	.264	.297	.260	.228	.204	.180	.159	.117	.105	.093	.038	.034	.030	
3.0	.340	.286	.242	.291	.246	.210	.200	.171	.147	.115	.100	.087	.037	.032	.028	
4.0	.332	.273	.228	.285	.236	.198	.196	.165	.140	.113	.096	.083	.036	.031	.027	
5.0	.325	.263	.218	.279	.228	.190	.192	.159	.134	.111	.093	.080	.036	.031	.026	
6.0	.317	.256	.211	.273	.221	.184	.188	.155	.130	.109	.091	.077	.035	.030	.026	
7.0	.310	.249	.206	.267	.216	.180	.184	.151	.127	.107	.089	.076	.035	.029	.025	
8.0	.304	.244	.202	.261	.211	.176	.181	.148	.125	.105	.087	.075	.034	.029	.025	
9.0	.298	.239	.199	.256	.207	.174	.178	.146	.123	.103	.086	.074	.034	.028	.024	
10.0	.292	.235	.197	.251	.204	.172	.174	.143	.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:0.2890A P:34.40W PF:0.9890 Freq:60.00Hz Lamp Flux:3245.58x1 lm										
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3000K					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	20.2	21.4	20.7	22.0	22.6	16.7	17.9	17.3	18.5	19.2
4H	21.5	22.7	22.1	23.3	24.0	17.3	18.5	18.0	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	18.2	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	25.5	25.5	26.2	27.1	21.4	22.0	22.1	22.7	23.6
8H	25.9	26.5	26.7	27.2	28.1	21.9	22.5	22.6	23.2	24.1
12H	27.2	27.7	27.9	28.4	29.3	22.4	22.9	23.2	23.7	24.6
12H 4H	22.9	23.6	23.6	24.3	25.2	20.5	21.2	21.2	22.0	22.8
6H	24.9	25.5	25.7	26.3	27.2	21.9	22.5	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, 3246 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:0.2890A P:34.40W PF:0.9890 Freq:60.00Hz Lamp Flux:3245.58x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

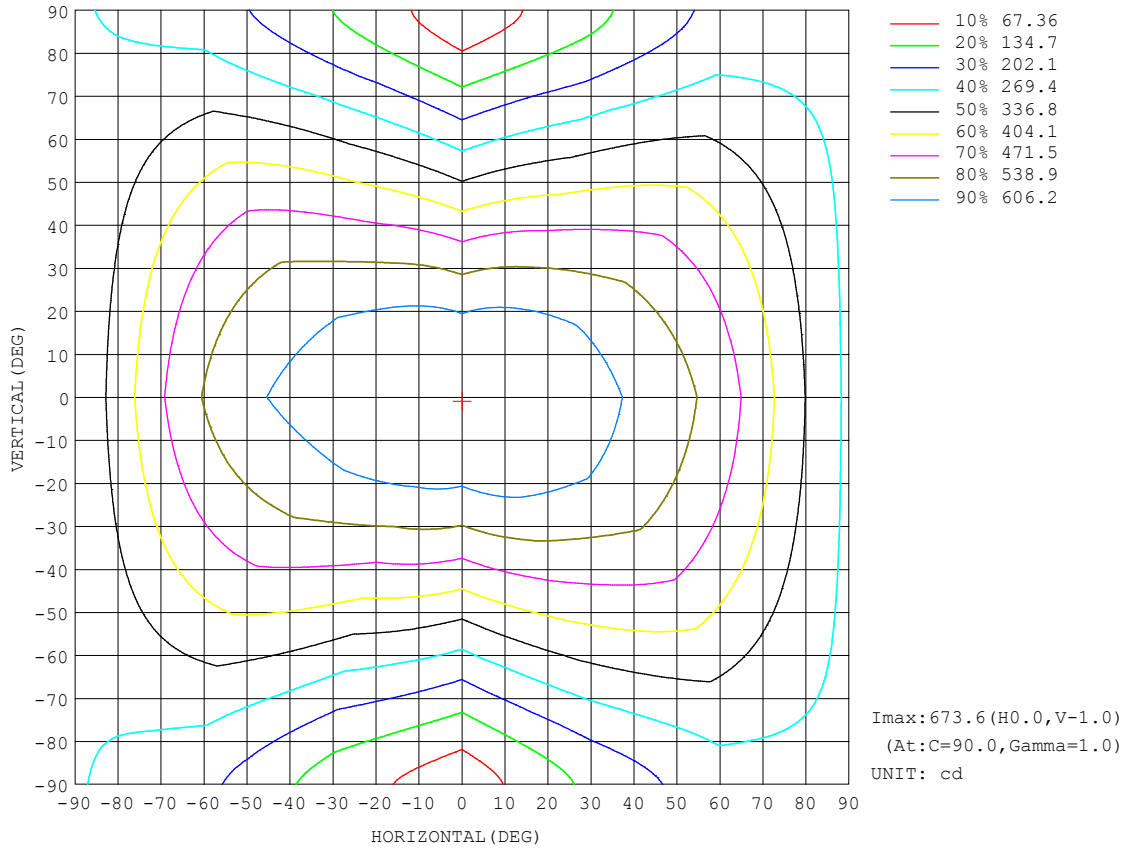
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	46	34	27	43	33	27	20
0.80	56	43	35	54	42	35	51	41	34	26
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	78	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:0.2890A P:34.40W PF:0.9890 Freq:60.00Hz Lamp Flux:3245.58x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

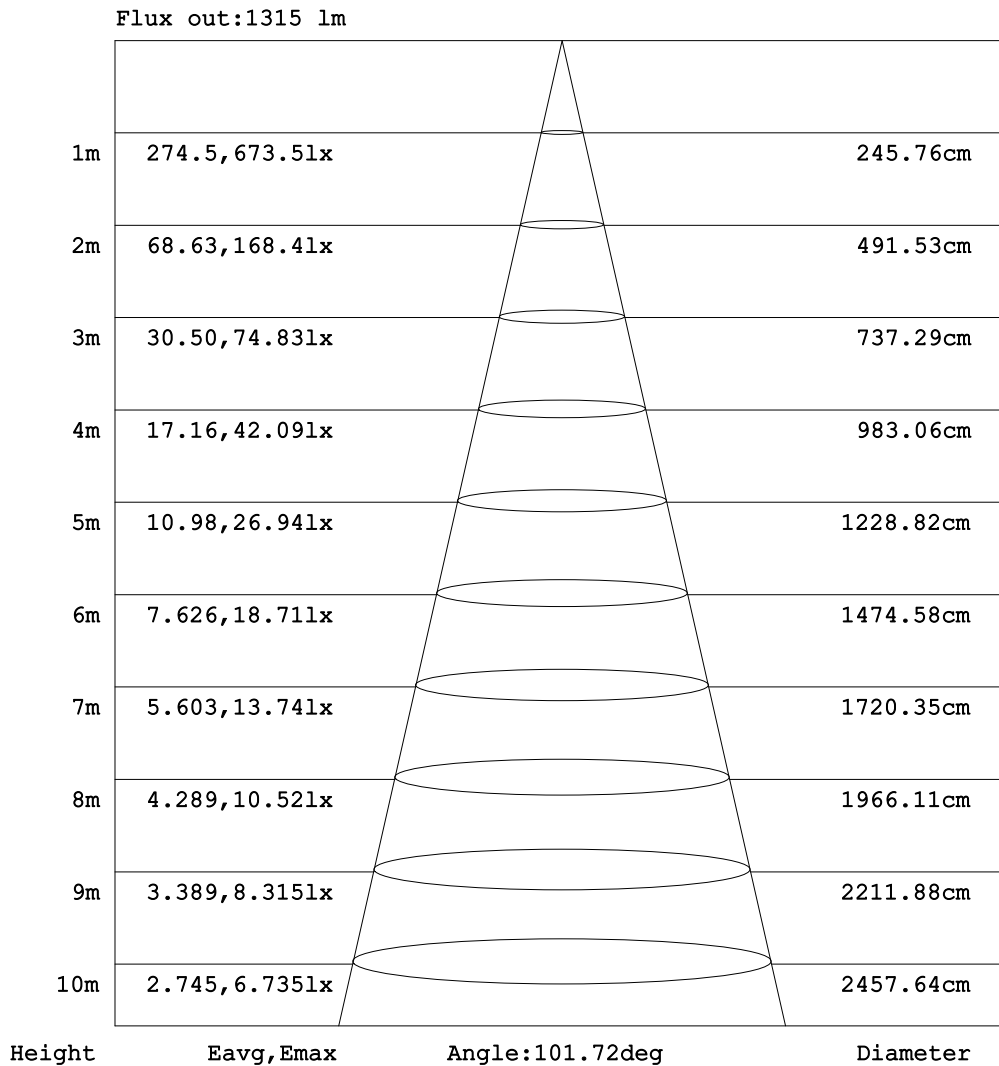


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-19

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:0.2890A P:34.40W PF:0.9890 Freq:60.00Hz Lamp Flux:3245.58x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

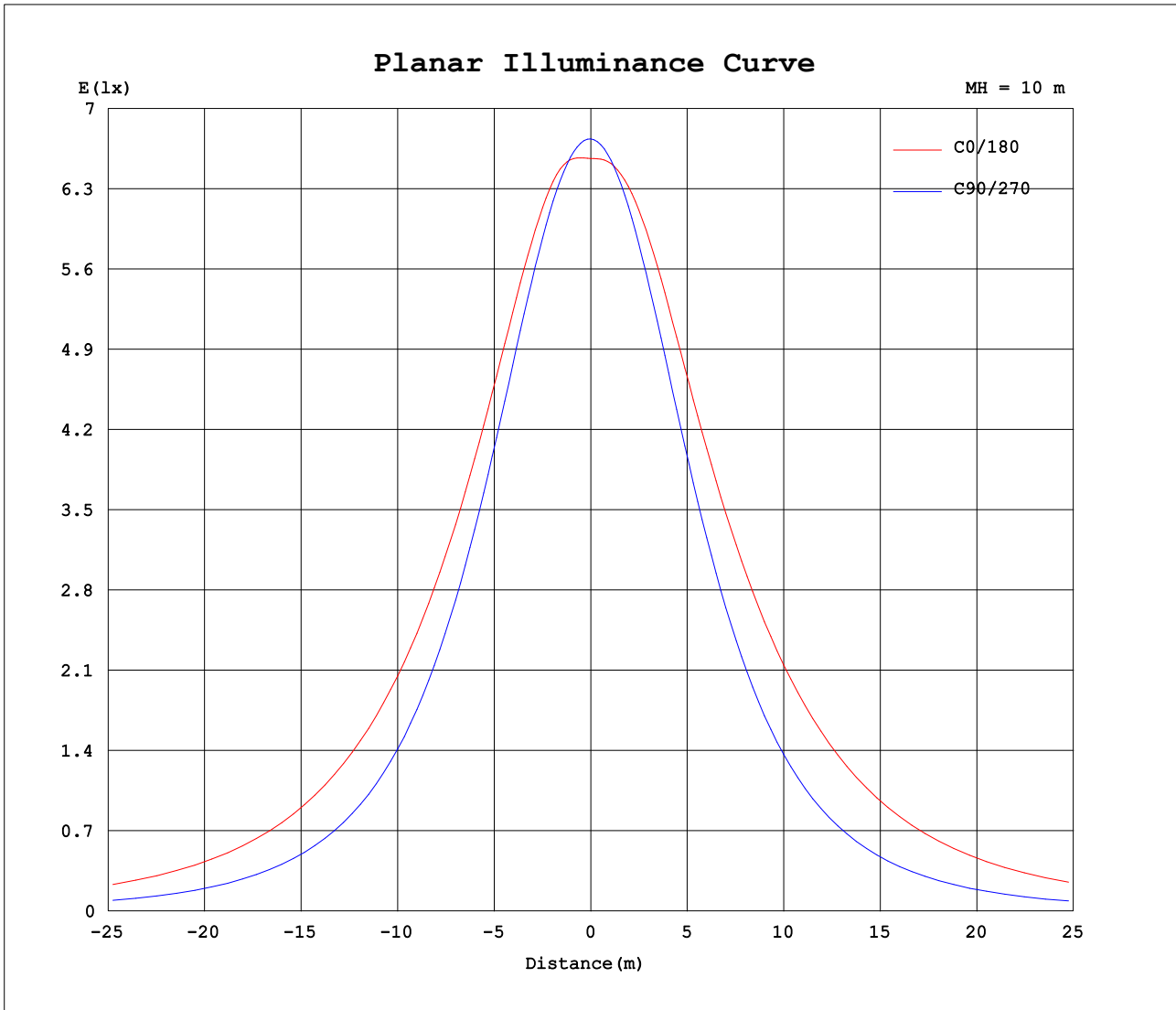


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2890A P:34.40W PF:0.9890 Freq:60.00Hz Lamp Flux:3245.58x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 3000K	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	656	668	672	673	673	670	656	668	672	673	673	670							
5	664	670	673	670	671	672	662	670	670	668	670	672							
10	673	670	668	658	663	670	667	669	662	654	662	670							
15	670	665	657	638	648	663	669	663	648	632	648	662							
20	661	655	639	610	626	650	665	652	628	602	626	648							
25	646	641	614	576	598	633	655	637	601	567	598	631							
30	630	623	586	537	565	613	643	620	571	526	566	611							
35	614	604	554	493	529	592	632	602	539	482	531	589							
40	597	584	520	448	491	570	620	584	504	435	493	565							
45	581	562	485	400	451	547	607	564	469	387	454	540							
50	561	539	448	352	410	522	592	542	432	338	414	513							
55	537	512	411	304	369	494	571	516	395	290	373	484							
60	507	481	372	257	327	462	543	486	356	243	333	451							
65	471	445	332	208	285	425	507	449	316	197	291	414							
70	429	403	291	163	243	384	464	407	275	152	249	374							
75	382	360	249	120	200	340	415	362	233	109	207	331							
80	335	315	209	80.9	161	296	365	316	192	70.3	168	289							
85	291	273	174	47.5	125	253	316	272	157	38.7	135	249							
90	261	243	151	28.4	101	219	275	238	134	24.0	116	223							
95	242	224	143	27.2	95.3	202	251	220	126	23.0	110	209							
100	226	210	127	26.5	84.6	186	231	202	111	23.4	99.6	195							
105	211	192	121	28.3	82.2	169	212	184	108	24.5	97.7	179							
110	197	180	117	29.9	79.9	160	197	175	104	25.4	94.9	171							
115	187	173	110	30.0	78.3	153	187	167	101	26.4	87.7	162							
120	179	165	98.2	30.2	76.2	146	178	159	98.0	27.8	80.0	150							
125	171	157	87.1	30.9	73.4	138	168	151	94.2	29.2	73.0	139							
130	162	145	77.6	31.9	70.9	131	159	143	89.8	30.7	67.4	124							
135	153	127	70.7	33.0	69.0	123	149	134	85.3	32.2	62.6	108							
140	141	106	64.6	34.7	67.3	114	138	125	81.2	34.9	58.8	95.5							
145	130	89.5	59.6	39.0	65.7	104	127	114	77.5	39.4	57.5	84.5							
150	117	76.9	59.0	44.0	63.9	95.3	111	103	74.1	44.3	59.1	74.2							
155	105	67.6	60.5	48.3	61.8	87.1	97.1	93.5	70.6	48.0	60.7	65.4							
160	93.1	58.4	61.6	51.8	59.7	79.3	78.4	83.9	66.8	51.4	61.2	61.0							
165	80.3	52.1	61.5	55.0	58.4	71.4	57.6	74.3	63.1	54.5	61.1	60.8							
170	65.0	52.0	60.8	57.6	58.3	63.6	43.4	64.5	60.2	57.1	60.6	59.2							
175	49.7	52.2	59.8	59.2	58.5	58.0	37.8	56.9	58.5	59.3	60.1	56.9							
180	38.0	53.2	58.6	60.4	59.6	56.0	38.0	53.2	58.5	60.4	59.6	56.0							

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: