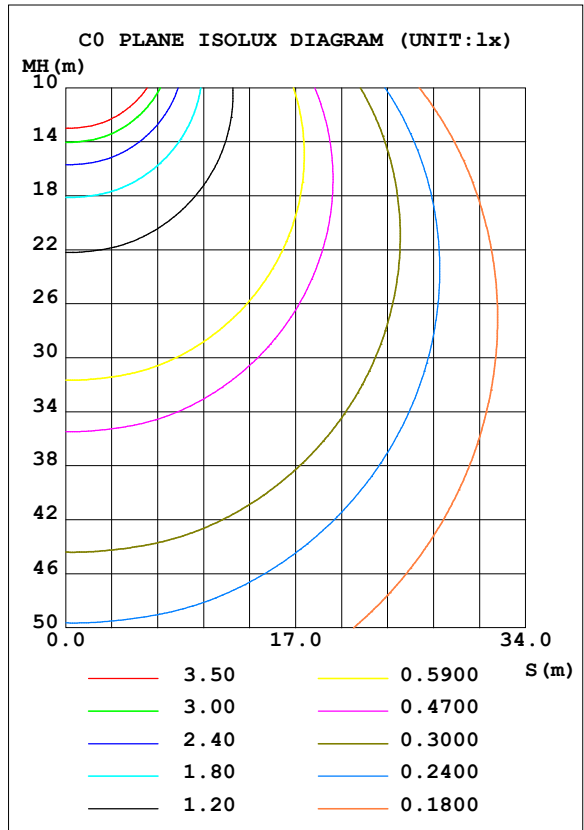
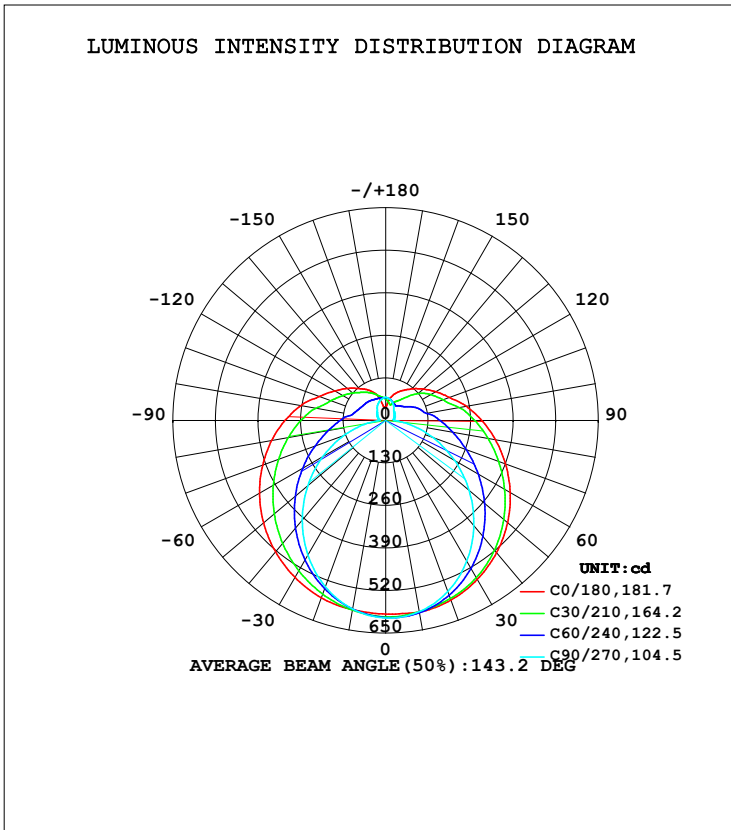


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2700A P:32.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2979.94x1 lm		
NAME: LVF1R-48-34-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.54 lm/W			
MODEL		I _{max} (cd)	603.7	S/MH (C0/180)	1.41
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)		TOTAL FLUX (lm)	2979.9	η UP, DN (C0-180)	12.1, 38.5
NOMINAL FLUX (lm)	2979.94	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	12.0, 37.4
LAMPS INSIDE	1	η up (%)	24.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	75.9	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	594.2	595.2	593.4	591.3	587.0	586.6	584.9	590.6	0- 10	56.82	56.82	1.91,1.91
20	583.8	573.7	556.0	562.1	576.7	555.7	540.5	561.2	10- 20	163.6	220.4	7.4,7.4
30	560.7	538.3	495.9	517.5	554.2	511.9	475.7	517.9	20- 30	251.0	471.4	15.8,15.8
40	527.7	489.8	419.3	461.9	524.0	459.5	397.0	462.6	30- 40	310.6	782.0	26.2,26.2
50	486.6	432.9	333.1	400.2	487.3	402.6	310.8	400.7	40- 50	338.6	1121	37.6,37.6
60	439.5	373.1	243.4	337.4	445.3	344.9	222.4	337.6	50- 60	336.9	1458	48.9,48.9
70	389.8	315.1	154.0	277.0	400.2	288.9	136.8	277.3	60- 70	310.9	1768	59.3,59.3
80	340.5	262.9	76.00	223.8	353.9	240.0	61.85	226.3	70- 80	269.4	2038	68.4,68.4
90	293.8	219.5	27.75	180.7	308.0	199.5	21.83	186.5	80- 90	224.1	2262	75.9,75.9
100	251.2	177.7	24.15	143.2	263.9	160.7	22.18	151.2	90-100	184.7	2447	82.1,82.1
110	207.4	147.0	28.58	118.6	215.9	135.1	26.47	127.0	100-110	146.9	2594	87,87
120	176.9	121.8	30.97	105.1	180.8	118.6	31.06	105.1	110-120	118.0	2712	91,91
130	149.9	97.88	34.83	95.38	153.1	106.2	35.65	83.88	120-130	91.98	2804	94.1,94.1
140	126.8	75.01	38.55	87.21	128.0	95.26	40.52	68.76	130-140	68.58	2872	96.4,96.4
150	106.5	62.16	49.90	80.45	108.0	86.30	51.95	60.59	140-150	49.02	2921	98,98
160	88.28	57.37	59.96	74.19	85.62	78.08	60.41	60.56	150-160	33.42	2955	99.1,99.1
170	66.36	61.76	67.42	70.74	46.11	72.29	67.26	66.21	160-170	19.20	2974	99.8,99.8
180	39.55	67.87	71.44	69.45	39.59	67.85	71.46	69.44	170-180	6.202	2980	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 949.74 lm

%lum = 31.9%
%lamp = 31.9%

Conical surface Flux(120deg): 1457.5 lm

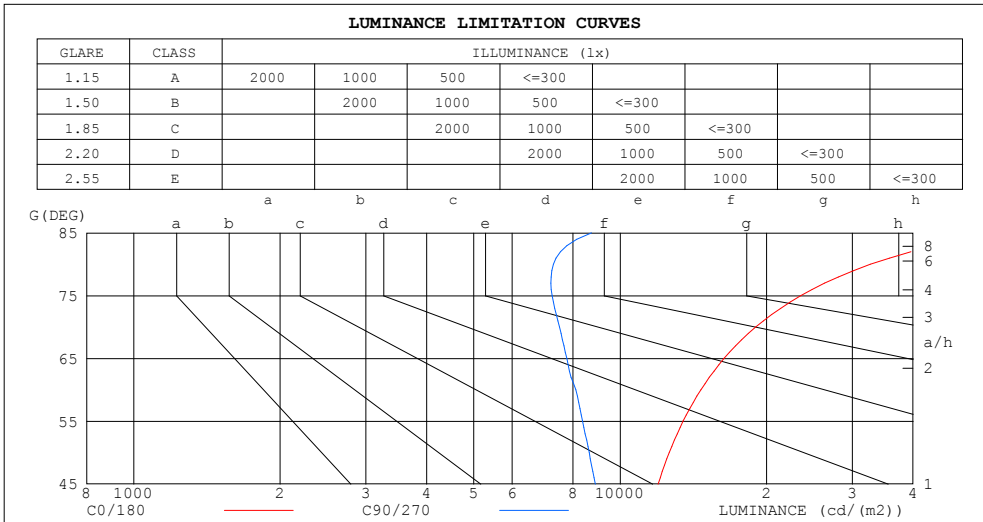
%lum = 48.9%
%lamp = 48.9%

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:0.2700A P:32.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2979.94x1 lm		
NAME: LVF1R-48-34-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	60577	8734
80	32684	7295
75	23503	7242
70	18993	7503
65	16358	7766
60	14651	8113
55	13470	8371
50	12616	8637
45	11972	8888

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:0.2700A P:32.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2979.94x1 lm		
NAME: LVF1R-48-34-95C-MVUD-BL 整灯 2700K	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	.383	.218	.069	.368	.210	.067	.341	.196	.062	.316	.182	.058	.293	.170	.055	
2.0	.330	.181	.055	.317	.174	.054	.292	.162	.050	.269	.151	.047	.248	.140	.044	
3.0	.293	.156	.047	.281	.150	.045	.258	.140	.043	.238	.130	.040	.218	.121	.037	
4.0	.263	.137	.040	.252	.132	.039	.232	.123	.037	.213	.114	.035	.196	.106	.032	
5.0	.239	.122	.035	.229	.118	.034	.211	.110	.032	.194	.102	.030	.177	.095	.028	
6.0	.219	.110	.031	.210	.106	.031	.193	.099	.029	.177	.092	.027	.163	.086	.025	
7.0	.202	.100	.028	.194	.097	.028	.178	.090	.026	.164	.084	.024	.150	.078	.023	
8.0	.188	.092	.026	.180	.089	.025	.166	.083	.024	.152	.077	.022	.139	.072	.021	
9.0	.175	.085	.024	.168	.082	.023	.155	.076	.022	.142	.071	.020	.130	.066	.019	
10.0	.164	.078	.022	.157	.076	.021	.145	.071	.020	.133	.066	.019	.122	.061	.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	.374	.374	.374	.320	.320	.320	.218	.218	.218	.125	.125	.125	.040	.040	.040	
1.0	.370	.341	.314	.317	.292	.270	.217	.201	.187	.125	.116	.109	.040	.037	.035	
2.0	.364	.318	.280	.311	.274	.242	.213	.189	.169	.123	.110	.099	.039	.036	.032	
3.0	.356	.302	.258	.305	.260	.224	.210	.181	.157	.121	.106	.093	.039	.034	.030	
4.0	.349	.289	.244	.299	.250	.212	.206	.174	.149	.119	.102	.088	.038	.033	.029	
5.0	.341	.280	.235	.293	.242	.204	.202	.169	.144	.117	.099	.086	.038	.032	.028	
6.0	.334	.272	.228	.287	.236	.198	.198	.165	.140	.115	.097	.083	.037	.032	.028	
7.0	.327	.265	.223	.281	.230	.194	.194	.161	.137	.113	.095	.082	.036	.031	.027	
8.0	.320	.260	.219	.275	.225	.191	.191	.158	.135	.111	.093	.081	.036	.031	.027	
9.0	.314	.255	.216	.270	.222	.188	.187	.156	.134	.109	.092	.080	.035	.030	.026	
10.0	.308	.251	.213	.266	.218	.186	.184	.153	.132	.107	.091	.079	.035	.030	.026	

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:0.2700A P:32.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2979.94x1 lm										
NAME: LVF1R-48-34-95C-MVUD-BL 整灯 2700K					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	17.2	18.5	17.8	19.1	19.8	15.0	16.3	15.5	16.8	17.5
3H	19.9	21.1	20.5	21.7	22.4	16.6	17.8	17.2	18.4	19.1
4H	21.4	22.5	22.0	23.2	23.9	17.3	18.4	17.9	19.0	19.8
6H	23.1	24.1	23.7	24.8	25.5	17.9	18.9	18.5	19.6	20.3
8H	24.0	25.0	24.6	25.7	26.5	18.1	19.1	18.8	19.8	20.6
12H	25.1	26.0	25.7	26.7	27.5	18.3	19.3	19.0	20.0	20.8
4H 2H	17.8	18.9	18.4	19.6	20.3	16.2	17.3	16.8	18.0	18.7
3H	20.8	21.7	21.4	22.4	23.2	18.1	19.1	18.8	19.8	20.6
4H	22.4	23.4	23.1	24.1	24.9	19.0	20.0	19.7	20.7	21.5
6H	24.3	25.1	25.0	25.9	26.7	19.9	20.7	20.6	21.4	22.3
8H	25.4	26.1	26.1	26.9	27.7	20.2	21.0	21.0	21.7	22.6
12H	26.6	27.3	27.3	28.0	28.9	20.6	21.3	21.3	22.0	22.9
8H 4H	22.8	23.6	23.6	24.3	25.2	20.2	21.0	20.9	21.7	22.6
6H	25.0	25.7	25.8	26.4	27.4	21.5	22.1	22.2	22.9	23.8
8H	26.3	26.9	27.1	27.7	28.6	22.1	22.7	22.9	23.4	24.4
12H	27.8	28.3	28.6	29.1	30.0	22.7	23.2	23.4	24.0	24.9
12H 4H	22.9	23.6	23.6	24.3	25.2	20.6	21.3	21.3	22.0	22.9
6H	25.2	25.8	26.0	26.5	27.5	22.1	22.7	22.9	23.4	24.4
8H	26.6	27.1	27.4	27.9	28.8	22.9	23.4	23.7	24.2	25.1
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	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 2980 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.8)

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:0.2700A P:32.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2979.94x1 lm		
NAME: LVF1R-48-34-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

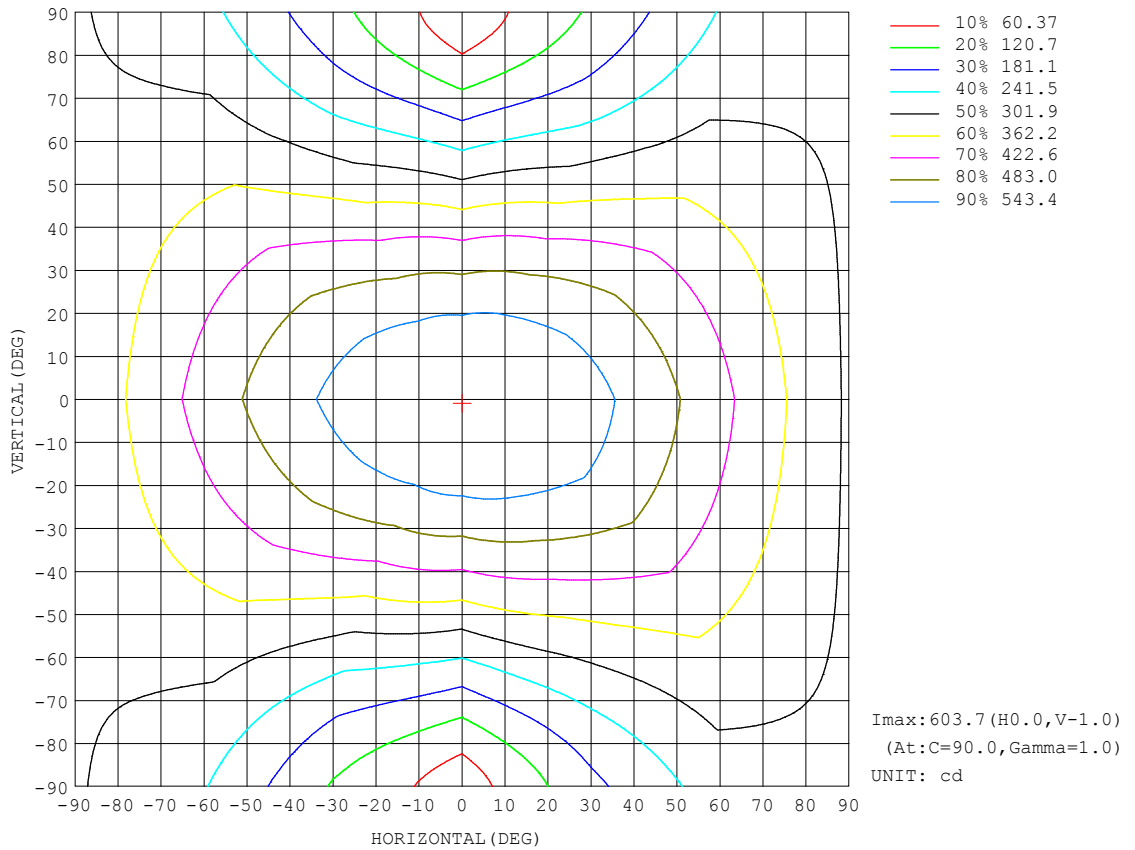
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	53	41	34	50	40	33	24
1.00	63	50	41	61	49	41	57	49	39	30
1.25	70	57	48	67	55	47	62	52	45	35
1.50	75	63	54	72	61	53	66	57	50	39
2.00	82	71	63	79	68	61	72	64	57	44
2.50	87	76	68	83	73	66	76	68	62	48
3.00	90	81	73	86	78	71	79	72	66	51
4.00	95	87	80	91	83	77	83	77	72	56
5.00	98	91	85	94	87	82	85	80	76	59
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:0.2700A P:32.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2979.94x1 lm		
NAME: LVF1R-48-34-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

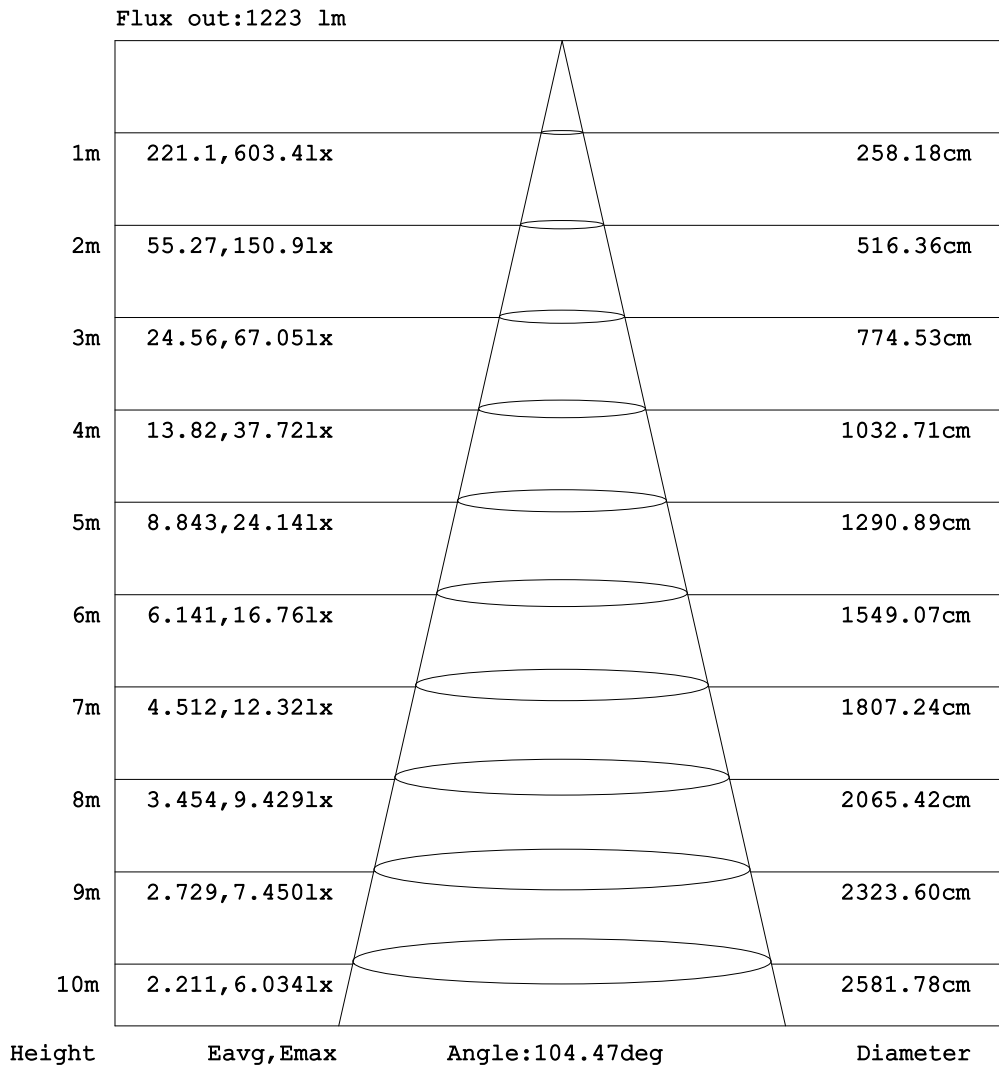


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-19

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:0.2700A P:32.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2979.94x1 lm		
NAME: LVF1R-48-34-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

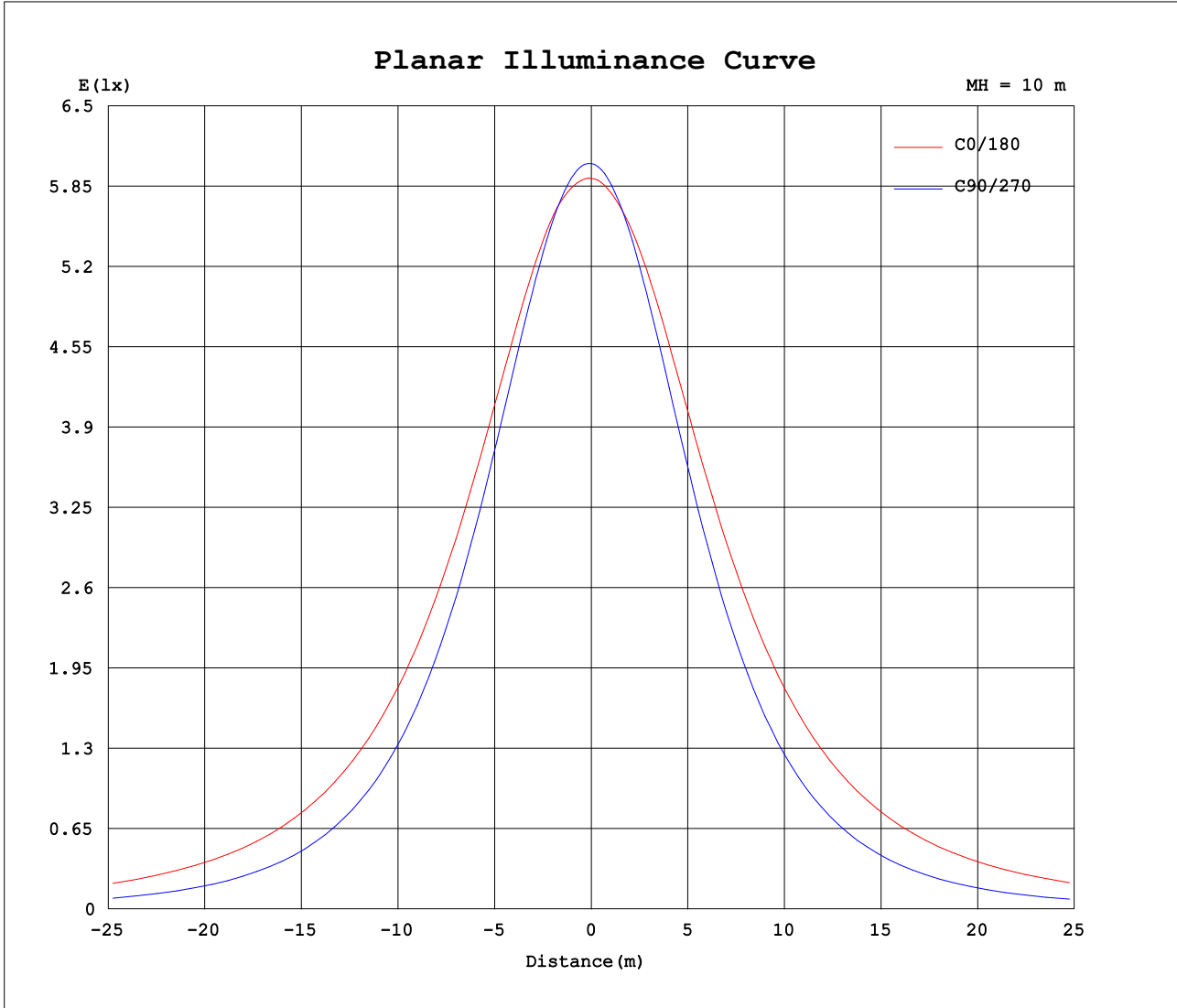


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2700A P:32.20W PF:0.9900 Freq:60.00Hz Lamp Flux:2979.94x1 lm		
NAME: LVF1R-48-34-95C-MVUD-BL 整灯 2700K	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	591	600	602	603	603	600	591	600	602	603	603	600							
5	593	599	602	602	600	598	589	596	596	598	599	599							
10	594	594	597	593	591	591	587	588	585	585	590	591							
15	591	587	585	578	576	581	584	578	568	566	575	581							
20	584	579	568	556	556	568	577	565	547	540	554	569							
25	574	568	547	528	531	552	567	549	522	510	528	554							
30	561	555	522	496	502	533	554	531	493	476	499	537							
35	545	537	494	459	470	512	540	511	462	438	467	516							
40	528	517	462	419	435	489	524	490	429	397	432	493							
45	508	495	429	377	398	465	506	468	395	355	396	468							
50	487	471	395	333	361	440	487	445	361	311	360	442							
55	464	446	360	288	323	414	467	421	327	267	323	415							
60	440	420	326	243	286	388	445	396	293	222	287	388							
65	415	394	294	197	251	362	423	372	261	179	253	361							
70	390	367	263	154	217	337	400	348	230	137	219	335							
75	365	342	234	112	186	313	377	325	202	96.6	190	310							
80	341	318	208	76.0	158	289	354	302	178	61.9	165	287							
85	317	295	186	45.7	135	267	331	280	157	34.3	145	265							
90	294	272	167	27.7	116	246	308	259	140	21.8	128	245							
95	272	251	151	24.3	102	224	286	239	125	20.8	115	226							
100	251	229	127	24.2	84.2	202	264	217	104	22.2	98.0	204							
105	228	203	116	26.5	77.9	177	240	193	97.9	24.3	91.0	182							
110	207	186	108	28.6	73.9	163	216	178	92.4	26.5	85.1	169							
115	192	172	97.1	29.5	71.4	151	198	165	88.1	28.6	77.1	155							
120	177	159	84.8	31.0	70.1	140	181	152	84.7	31.1	69.5	141							
125	163	145	74.6	32.9	69.8	130	166	142	82.5	33.5	63.3	125							
130	150	128	67.4	34.8	69.7	121	153	131	81.1	35.6	59.4	108							
135	138	109	63.2	36.6	69.3	113	140	121	79.7	37.7	56.9	94.5							
140	127	90.8	59.2	38.6	68.7	106	128	113	77.9	40.5	54.5	83.1							
145	116	77.3	55.3	43.8	68.0	99.4	118	105	75.9	46.0	54.2	72.6							
150	107	68.7	55.6	49.9	67.9	93.0	108	98.5	74.1	51.9	57.3	63.9							
155	97.9	61.5	57.9	55.4	68.3	86.3	97.0	91.4	72.7	56.4	60.6	58.3							
160	88.3	53.5	61.2	60.0	68.6	79.8	85.6	84.3	71.9	60.4	63.6	57.5							
165	77.0	50.8	64.8	63.9	68.7	75.2	88.3	78.0	71.4	64.0	66.2	60.9							
170	66.4	55.8	67.7	67.4	69.2	72.3	86.1	73.7	70.9	67.3	68.3	64.1							
175	48.2	61.1	69.1	69.7	69.5	69.8	81.3	69.8	69.9	70.0	70.0	66.0							
180	39.5	65.8	70.0	71.4	70.9	68.0	65.7	70.0	71.5	70.9	67.9								

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: