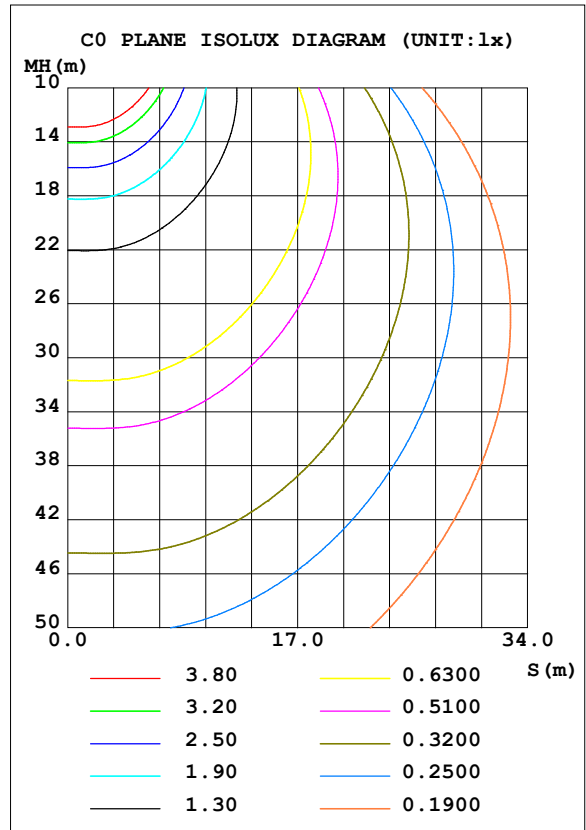
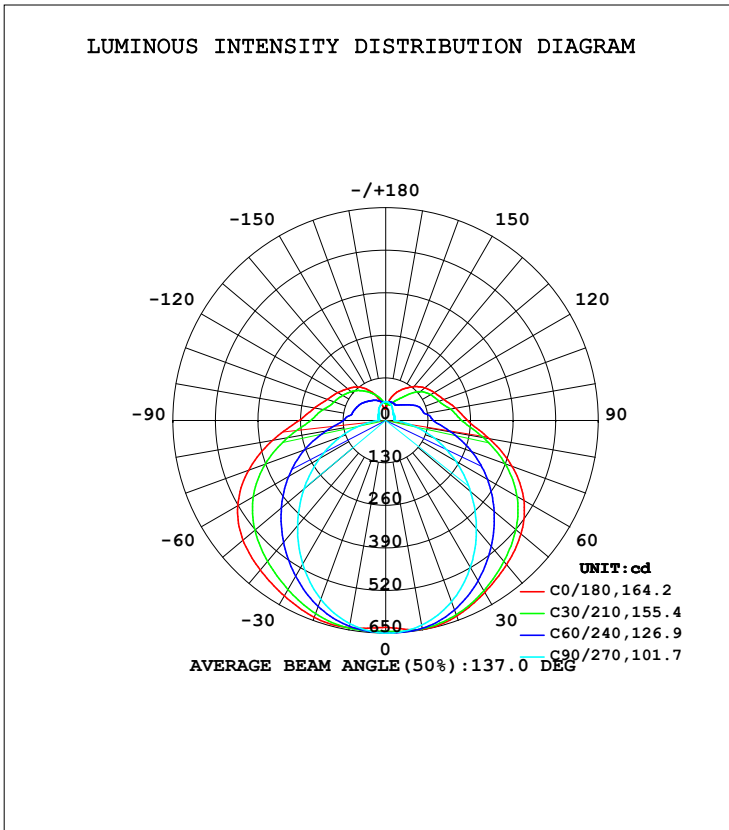


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2920A P:34.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3125.76x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.56 lm/W			
MODEL		I _{max} (cd)	649.7	S/MH (C0/180)	1.47
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.17
RATED VOLTAGE (V)		TOTAL FLUX (lm)	3125.8	η UP, DN (C0-180)	11.0, 39.0
NOMINAL FLUX (lm)	3125.76	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	647.9	645.6	635.1	643.1	643.0	641.5	630.8	642.5	0- 10	61.50	61.50	1.97,1.97
20	636.0	623.8	589.1	615.5	639.9	616.3	580.8	614.2	10- 20	178.4	239.9	7.67,7.67
30	606.2	583.0	518.0	568.6	619.3	573.7	507.4	567.2	20- 30	274.1	514.0	16.4,16.4
40	574.9	532.3	431.8	511.6	596.4	523.8	419.3	509.7	30- 40	340.2	854.2	27.3,27.3
50	539.8	476.0	339.1	449.5	569.1	469.0	326.5	446.7	40- 50	375.1	1229	39.3,39.3
60	487.7	411.3	247.3	380.5	522.1	405.1	234.8	377.4	50- 60	377.6	1607	51.4,51.4
70	411.6	334.6	157.1	302.5	446.1	328.4	147.4	300.4	60- 70	344.9	1952	62.4,62.4
80	321.6	252.4	77.90	220.0	351.0	244.3	68.33	219.9	70- 80	280.8	2233	71.4,71.4
90	250.8	188.6	27.61	154.4	264.2	179.0	23.25	163.2	80- 90	206.0	2439	78,78
100	217.5	162.3	25.76	130.3	221.4	150.5	22.59	141.5	90-100	163.6	2602	83.2,83.2
110	189.3	143.3	28.81	115.8	189.6	134.2	24.57	127.8	100-110	137.1	2739	87.6,87.6
120	171.7	126.7	29.17	106.9	170.2	123.6	26.77	111.0	110-120	116.4	2856	91.4,91.4
130	155.5	106.3	30.75	97.15	152.0	112.1	29.61	91.63	120-130	94.24	2950	94.4,94.4
140	135.3	81.89	33.48	87.25	133.9	98.84	33.63	74.32	130-140	71.28	3021	96.7,96.7
150	112.3	65.16	42.42	76.80	108.0	85.64	42.58	64.02	140-150	49.95	3071	98.3,98.3
160	89.09	57.53	49.94	66.96	76.67	72.72	49.45	58.67	150-160	32.26	3103	99.3,99.3
170	61.94	54.36	55.48	58.75	41.90	60.31	55.00	57.53	160-170	17.22	3121	99.8,99.8
180	36.30	53.71	58.18	55.68	36.28	53.71	58.18	55.67	170-180	5.202	3126	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1039.4 lm

%lum = 33.3%
 %lamp = 33.3%

Conical surface Flux(120deg): 1606.9 lm

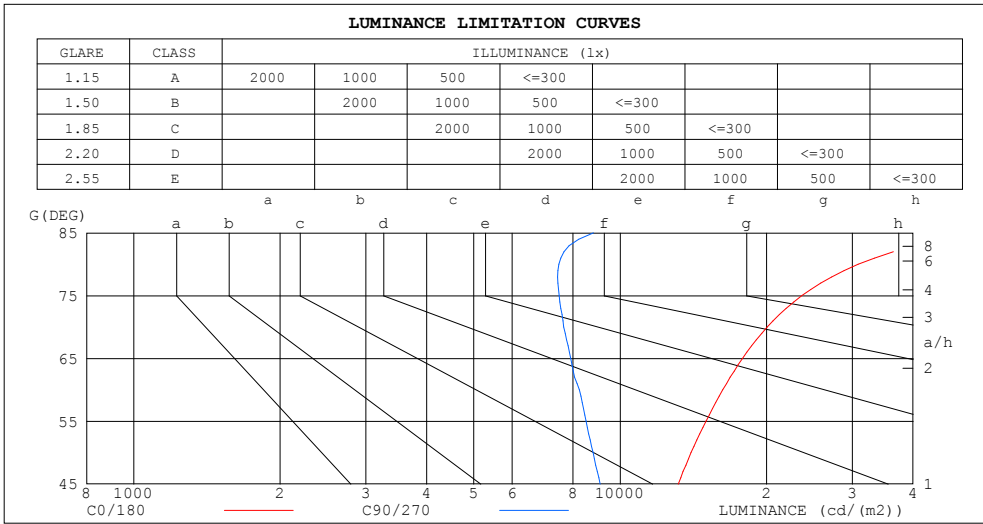
%lum = 51.4%
 %lamp = 51.4%

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:0.2920A P:34.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3125.76x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 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	53426	8807
80	30869	7477
75	23625	7491
70	20056	7658
65	17846	7911
60	16258	8243
55	15014	8504
50	13995	8792
45	13164	9094

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:0.2920A P:34.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3125.76x1 lm														
NAME: LVF1S-48-34-95C-MVUD-NS 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	.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	.084	.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	.324	.298	.303	.278	.257	.207	.192	.177	.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	.339	.285	.242	.291	.246	.210	.200	.171	.147	.115	.100	.087	.037	.032	.028	
4.0	.332	.273	.228	.285	.236	.198	.196	.164	.139	.113	.096	.083	.036	.031	.027	
5.0	.324	.263	.218	.279	.228	.190	.192	.159	.134	.111	.093	.079	.036	.030	.026	
6.0	.317	.255	.211	.272	.221	.184	.188	.155	.130	.109	.091	.077	.035	.030	.026	
7.0	.310	.249	.206	.267	.216	.179	.184	.151	.127	.107	.089	.076	.035	.029	.025	
8.0	.303	.243	.202	.261	.211	.176	.181	.148	.125	.105	.087	.074	.034	.029	.025	
9.0	.297	.239	.199	.256	.207	.174	.177	.146	.123	.103	.086	.073	.033	.028	.024	
10.0	.291	.234	.196	.251	.204	.171	.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:0.2920A P:34.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3125.76x1 lm										
NAME: LVF1S-48-34-95C-MVUD-NS 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	17.6	18.9	18.1	19.5	20.1	15.1	16.5	15.7	17.0	17.7
3H	20.1	21.4	20.7	22.0	22.6	16.7	17.9	17.3	18.5	19.2
4H	21.5	22.6	22.1	23.2	24.0	17.4	18.5	18.0	19.1	19.8
6H	22.9	24.0	23.5	24.6	25.3	17.9	19.0	18.5	19.6	20.3
8H	23.7	24.7	24.3	25.4	26.1	18.1	19.2	18.8	19.8	20.5
12H	24.5	25.6	25.2	26.2	27.0	18.3	19.3	18.9	20.0	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	19.2	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	26.7	27.4	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	21.4	22.0	22.1	22.8	23.6
8H	25.9	26.5	26.6	27.2	28.1	21.9	22.5	22.7	23.2	24.1
12H	27.1	27.6	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	21.3	22.0	22.8
6H	24.9	25.5	25.7	26.3	27.1	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, 3126 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.0)

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:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.2920A P:34.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3125.76x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

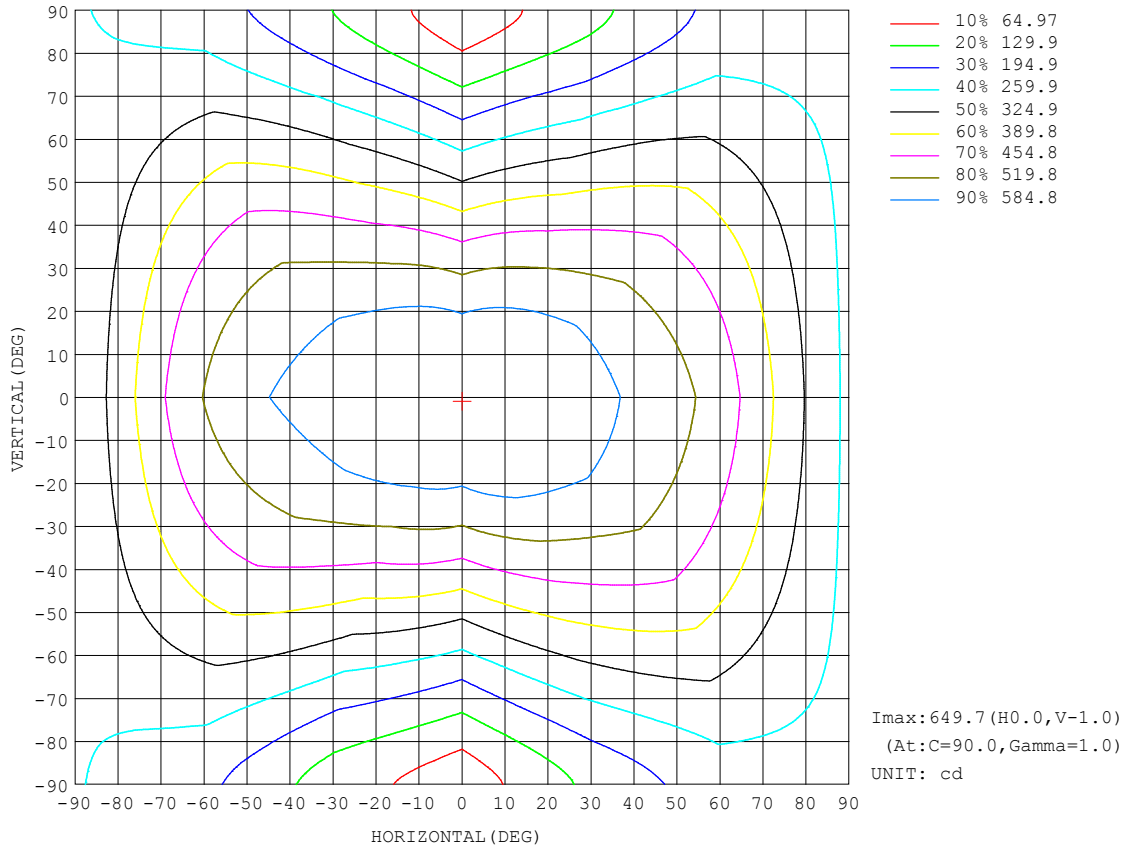
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	35	27	46	34	27	43	33	27	20
0.80	56	43	35	54	42	35	51	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	87	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:0.2920A P:34.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3125.76x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

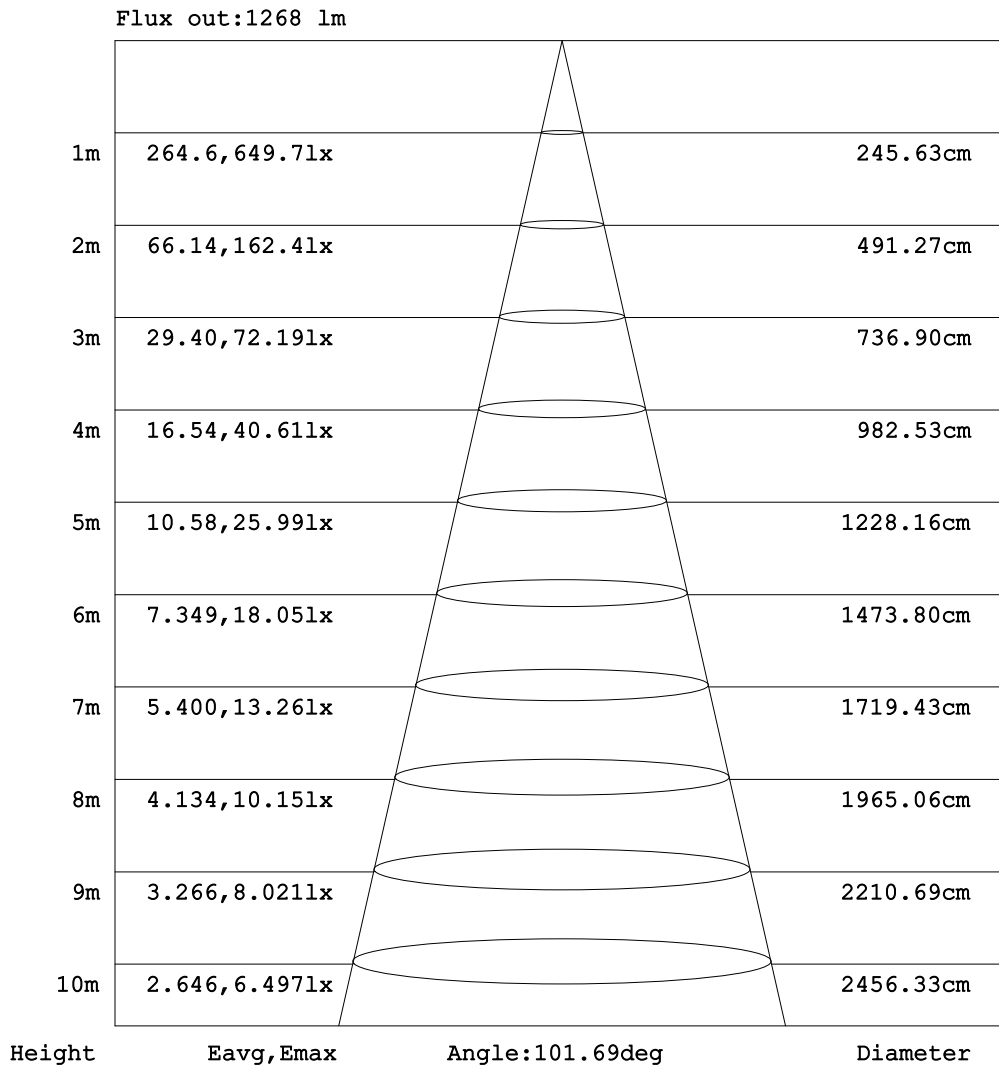


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-19

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:0.2920A P:34.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3125.76x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

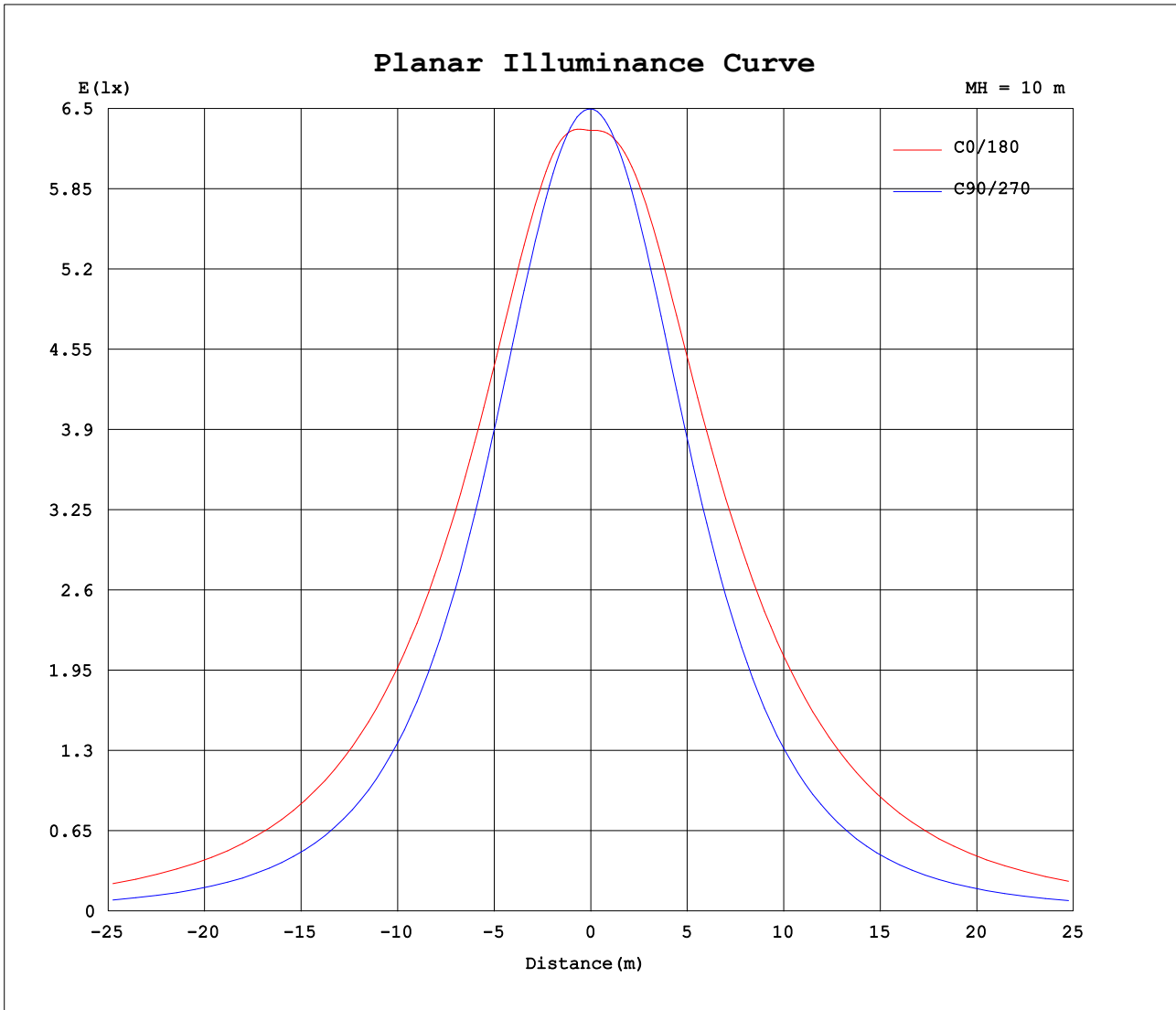


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2920A P:34.90W PF:0.9900 Freq:60.00Hz Lamp Flux:3125.76x1 lm		
NAME: LVF1S-48-34-95C-MVUD-NS 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	632	644	648	650	649	646	632	644	648	650	649	646							
5	640	647	649	646	648	648	637	645	646	644	647	648							
10	648	646	645	635	640	646	643	645	638	631	639	646							
15	646	642	634	616	625	639	645	639	625	609	625	638							
20	636	632	616	589	604	627	640	628	605	581	603	625							
25	622	618	593	556	577	610	631	613	579	546	577	608							
30	606	601	565	518	546	591	619	597	550	507	546	589							
35	591	582	535	476	511	571	608	580	519	465	512	567							
40	575	562	502	432	474	550	596	562	486	419	475	544							
45	559	542	468	386	435	527	584	543	451	373	438	520							
50	540	519	433	339	396	503	569	522	416	326	399	494							
55	517	494	396	293	356	476	549	497	380	280	360	466							
60	488	464	359	247	316	445	522	467	343	235	321	434							
65	453	428	320	201	275	410	488	432	304	190	280	399							
70	412	389	281	157	234	371	446	392	265	147	241	360							
75	367	346	240	116	194	328	400	349	223	106	199	319							
80	322	303	202	77.9	155	285	351	304	185	68.3	162	278							
85	279	262	168	46.1	121	244	304	262	151	37.7	130	240							
90	251	232	146	27.6	98.0	211	264	229	129	23.3	112	214							
95	233	216	138	26.4	92.2	195	241	212	121	22.3	106	201							
100	217	202	123	25.8	81.9	179	221	194	107	22.6	96.1	187							
105	203	185	117	27.4	79.5	162	204	177	104	23.6	94.2	172							
110	189	174	113	28.8	77.2	154	190	168	100	24.6	91.7	164							
115	180	166	106	28.9	75.7	147	180	161	97.4	25.5	84.4	155							
120	172	159	94.6	29.2	73.6	140	170	153	94.3	26.8	77.1	145							
125	164	150	83.8	29.8	70.9	133	160	145	90.8	28.2	70.1	134							
130	156	138	74.7	30.8	68.5	126	152	138	86.6	29.6	64.8	118							
135	146	121	68.0	31.8	66.6	118	143	129	82.3	31.1	60.7	104							
140	135	102	62.2	33.5	65.0	110	134	119	78.3	33.6	56.7	91.9							
145	124	85.7	57.3	37.6	63.4	101	123	110	74.8	37.9	55.2	81.2							
150	112	73.6	56.7	42.4	61.7	91.9	108	99.8	71.5	42.6	56.7	71.4							
155	101	64.9	58.1	46.6	59.7	83.8	93.8	90.2	68.1	46.1	58.2	62.7							
160	89.1	55.8	59.2	49.9	57.5	76.4	76.7	81.0	64.4	49.4	58.7	58.7							
165	76.7	49.6	59.2	52.9	56.2	68.9	56.4	71.6	61.0	52.4	58.6	58.3							
170	61.9	50.2	58.5	55.5	56.1	61.4	41.9	62.4	58.2	55.0	58.2	56.8							
175	47.4	50.2	57.5	56.9	56.3	55.9	36.4	55.1	56.4	57.2	57.8	54.7							
180	36.3	51.0	56.4	58.2	57.4	53.9	36.3	51.1	56.4	58.2	57.4	53.9							

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: