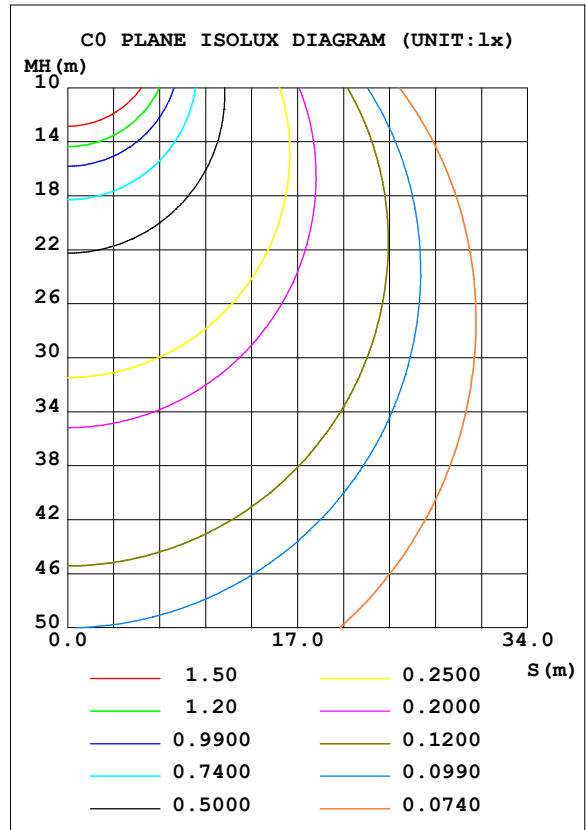
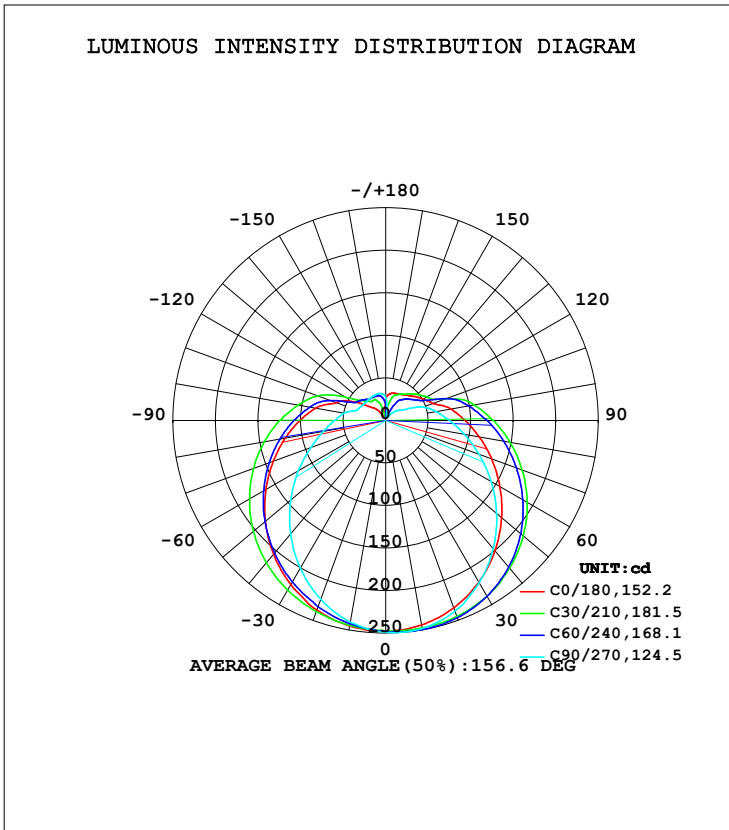


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.0970A P:11.60W PF:0.9880 Freq:60.00Hz Lamp Flux:1199.23x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.38 lm/W			
MODEL		I _{max} (cd)	249.7	S/MH (C0/180)	1.34
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1199.2	η UP, DN (C0-180)	10.4, 40.3
NOMINAL FLUX (lm)	1199.23	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.5, 37.9
LAMPS INSIDE	1	η up (%)	21.8	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	78.2	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-02-28

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	244.0	248.6	248.2	244.0	245.2	243.5	240.5	241.7	0- 10	23.51	23.51	1.96,1.96
20	234.3	245.9	238.5	227.7	237.1	236.0	223.6	223.2	10- 20	67.70	91.21	7.61,7.61
30	219.2	238.4	220.1	203.1	222.9	224.8	200.7	196.5	20- 30	103.8	195.0	16.3,16.3
40	199.9	225.7	196.7	173.0	205.2	210.9	173.9	164.5	30- 40	128.5	323.5	27,27
50	177.9	209.2	170.2	140.2	184.6	194.1	145.7	130.2	40- 50	140.2	463.7	38.7,38.7
60	155.0	189.1	143.0	107.0	162.6	175.3	118.6	95.92	50- 60	139.6	603.3	50.3,50.3
70	132.7	167.2	116.8	75.72	140.6	155.6	93.90	64.81	60- 70	128.9	732.2	61.1,61.1
80	111.5	144.7	93.86	48.18	119.8	135.6	74.45	40.58	70- 80	111.9	844.1	70.4,70.4
90	93.37	122.9	75.00	28.58	100.9	116.2	60.19	28.96	80- 90	93.12	937.3	78.2,78.2
100	78.13	102.6	60.49	19.83	83.93	97.60	49.99	26.16	90-100	76.45	1014	84.5,84.5
110	59.25	75.07	46.70	11.46	61.77	76.92	36.18	26.35	100-110	59.79	1074	89.5,89.5
120	50.82	51.51	26.24	7.742	45.10	48.92	33.51	27.82	110-120	41.38	1115	93,93
130	44.17	43.46	18.44	7.551	26.05	36.89	31.96	29.59	120-130	28.97	1144	95.4,95.4
140	38.99	36.64	10.96	8.210	17.88	30.95	31.93	31.28	130-140	21.63	1165	97.2,97.2
150	35.63	29.62	4.834	9.279	7.065	29.73	32.29	32.66	140-150	15.60	1181	98.5,98.5
160	33.95	19.52	4.604	10.12	5.277	26.75	32.74	33.35	150-160	10.39	1191	99.4,99.4
170	32.01	12.40	10.48	17.74	5.325	16.68	32.36	32.81	160-170	5.797	1197	99.8,99.8
180	24.07	11.02	27.50	29.58	23.99	11.10	27.54	29.61	170-180	1.964	1199	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 392.99 lm

%lum = 32.8%

%lamp = 32.8%

Conical surface Flux(120deg): 603.32 lm

%lum = 50.3%

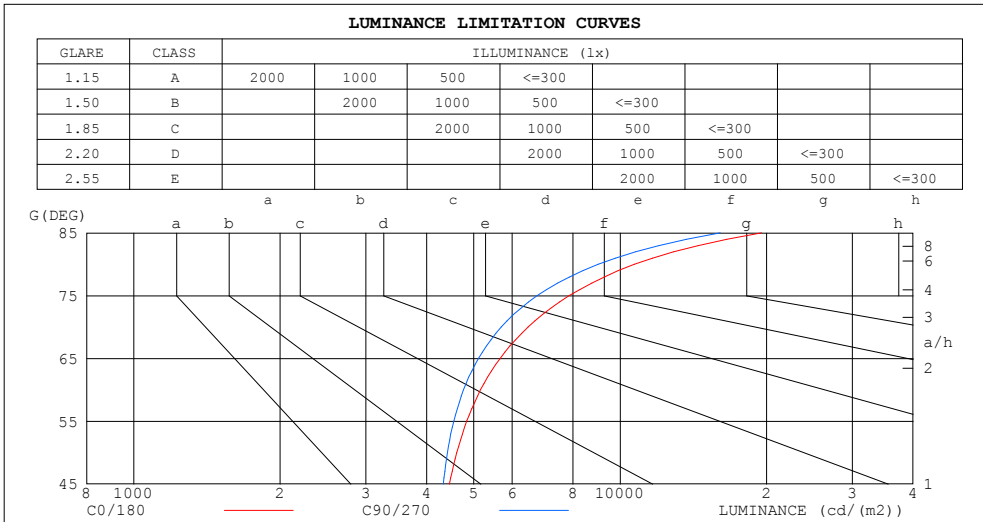
%lamp = 50.3%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-28

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:120.6V I:0.0970A P:11.60W PF:0.9880 Freq:60.00Hz Lamp Flux:1199.23x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	19519	16057
80	10702	9008
75	7858	6753
70	6464	5693
65	5666	5117
60	5165	4766
55	4839	4549
50	4614	4414
45	4458	4332

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-28

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:120.6V I:0.0970A P:11.60W PF:0.9880 Freq:60.00Hz Lamp Flux:1199.23x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14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	.387	.220	.070	.373	.213	.068	.347	.199	.064	.323	.186	.060	.301	.174	.056	
2.0	.333	.182	.056	.320	.176	.054	.297	.165	.051	.275	.154	.048	.255	.144	.045	
3.0	.295	.157	.047	.284	.152	.046	.262	.142	.043	.243	.133	.041	.224	.124	.038	
4.0	.265	.138	.041	.255	.133	.039	.236	.125	.037	.218	.117	.035	.201	.109	.033	
5.0	.241	.123	.036	.232	.119	.035	.214	.111	.033	.197	.104	.031	.182	.097	.029	
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.181	.094	.028	.167	.088	.026	
7.0	.203	.101	.029	.196	.097	.028	.181	.091	.026	.167	.086	.025	.154	.080	.024	
8.0	.189	.092	.026	.182	.089	.025	.168	.084	.024	.155	.079	.023	.143	.073	.021	
9.0	.176	.085	.024	.169	.082	.023	.157	.077	.022	.145	.073	.021	.134	.068	.020	
10.0	.164	.079	.022	.158	.077	.021	.147	.072	.020	.136	.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	.357	.357	.357	.305	.305	.305	.208	.208	.208	.120	.120	.120	.038	.038	.038	
1.0	.353	.323	.296	.302	.277	.255	.207	.191	.176	.119	.110	.102	.038	.036	.033	
2.0	.347	.301	.262	.297	.259	.226	.203	.179	.158	.117	.104	.093	.038	.034	.030	
3.0	.339	.284	.241	.291	.245	.209	.200	.170	.146	.115	.100	.086	.037	.032	.028	
4.0	.331	.272	.227	.284	.235	.197	.196	.164	.139	.113	.096	.082	.036	.031	.027	
5.0	.324	.262	.217	.278	.227	.189	.192	.158	.133	.111	.093	.079	.036	.030	.026	
6.0	.316	.254	.210	.272	.220	.183	.188	.154	.129	.109	.091	.077	.035	.030	.025	
7.0	.309	.248	.205	.266	.215	.178	.184	.151	.126	.107	.089	.075	.035	.029	.025	
8.0	.303	.242	.201	.261	.210	.175	.180	.148	.124	.105	.087	.074	.034	.029	.024	
9.0	.296	.238	.198	.255	.206	.172	.177	.145	.122	.103	.086	.073	.033	.028	.024	
10.0	.291	.233	.195	.250	.203	.170	.174	.143	.121	.101	.084	.072	.033	.028	.024	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-28

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:120.6V I:0.0970A P:11.60W PF:0.9880 Freq:60.00Hz Lamp Flux:1199.23x1 lm										
NAME: LVS1R-14-12-95C-MV-BL 整灯 3500K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: 革星					SUR.:14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	17.4	18.8	18.0	19.3	20.0	17.2	18.5	17.7	19.1	19.7
3H	19.9	21.1	20.4	21.7	22.3	19.4	20.6	20.0	21.2	21.9
4H	21.2	22.3	21.8	22.9	23.6	20.6	21.8	21.2	22.4	23.1
6H	22.6	23.7	23.2	24.3	25.0	21.9	23.0	22.5	23.6	24.3
8H	23.4	24.4	24.0	25.1	25.8	22.6	23.7	23.2	24.3	25.0
12H	24.3	25.3	24.9	26.0	26.7	23.4	24.4	24.1	25.1	25.8
4H 2H	18.5	19.6	19.1	20.2	20.9	18.3	19.4	18.9	20.0	20.7
3H	21.2	22.2	21.8	22.8	23.6	20.8	21.9	21.5	22.5	23.3
4H	22.7	23.6	23.4	24.3	25.1	22.2	23.2	22.9	23.8	24.6
6H	24.3	25.1	25.0	25.8	26.6	23.7	24.5	24.4	25.2	26.1
8H	25.2	26.0	25.9	26.7	27.5	24.5	25.3	25.2	26.0	26.8
12H	26.2	26.9	26.9	27.6	28.5	25.4	26.1	26.1	26.8	27.7
8H 4H	23.4	24.2	24.1	24.9	25.8	23.1	23.9	23.8	24.6	25.4
6H	25.4	26.1	26.2	26.8	27.7	25.0	25.6	25.7	26.4	27.2
8H	26.5	27.1	27.3	27.9	28.8	26.0	26.6	26.7	27.3	28.2
12H	27.8	28.3	28.5	29.0	30.0	27.1	27.6	27.9	28.4	29.3
12H 4H	23.6	24.3	24.3	25.0	25.9	23.3	24.0	24.0	24.8	25.6
6H	25.7	26.3	26.5	27.1	28.0	25.3	25.9	26.1	26.7	27.6
8H	27.0	27.5	27.8	28.3	29.2	26.5	27.0	27.3	27.8	28.7
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	+ 0.3 / - 0.5					+ 0.3 / - 0.5				

CIE Pub.117, 1199 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.6)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-28

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:120.6V I:0.0970A P:11.60W PF:0.9880 Freq:60.00Hz Lamp Flux:1199.23x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

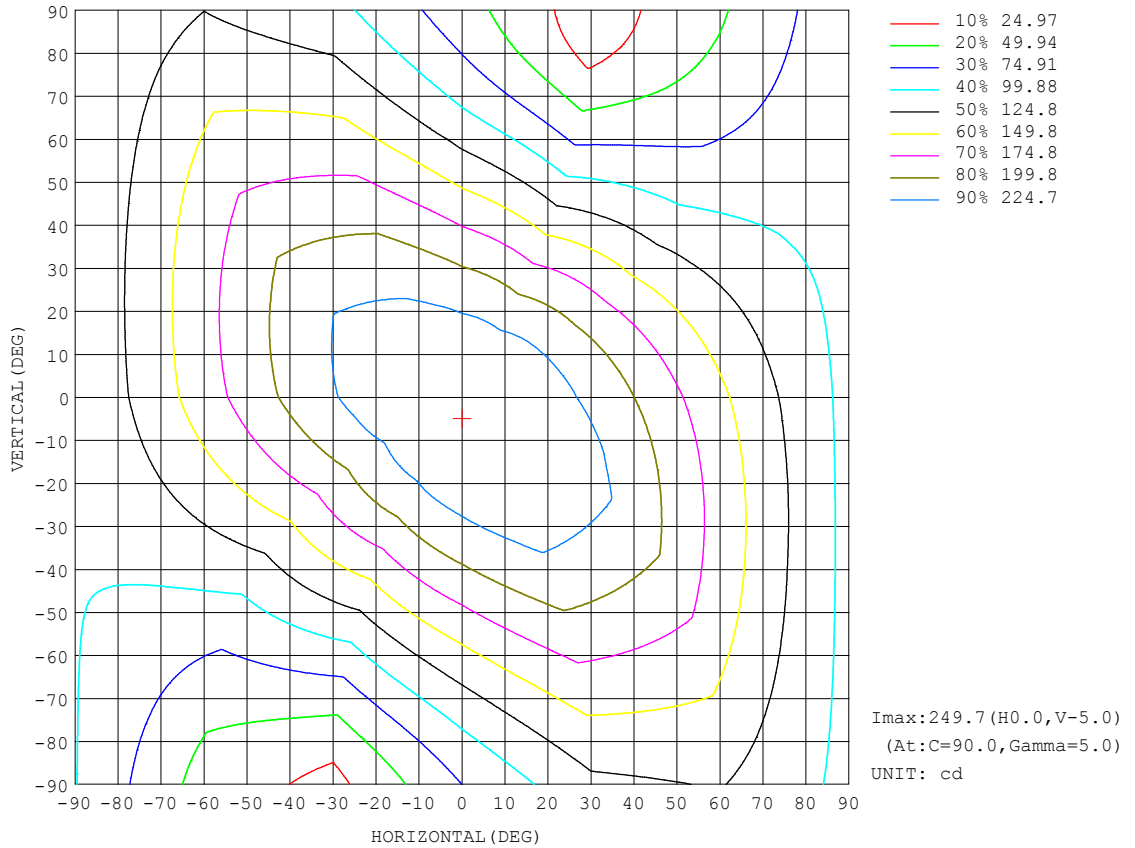
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	27	45	34	27	43	33	26	19
0.80	56	43	35	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	57	49	68	56	48	63	53	46	36
1.50	75	63	54	72	61	53	67	58	51	40
2.00	83	71	63	79	69	61	73	65	58	46
2.50	87	77	69	83	74	67	77	69	63	49
3.00	91	81	74	87	78	71	80	73	67	53
4.00	96	87	81	91	84	78	84	78	73	57
5.00	99	92	86	94	88	82	86	81	77	60
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:2024-02-28

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:120.6V I:0.0970A P:11.60W PF:0.9880 Freq:60.00Hz Lamp Flux:1199.23x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

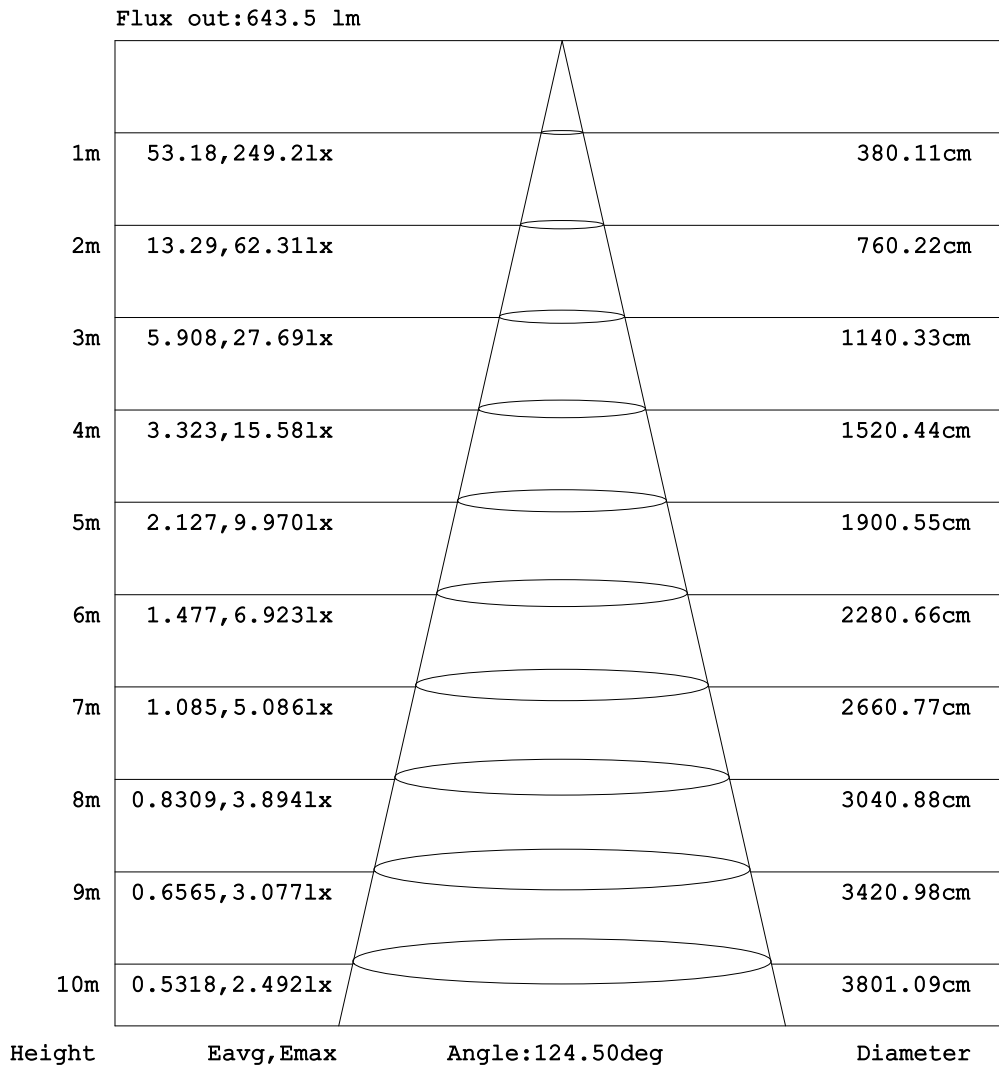


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-02-28

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:120.6V I:0.0970A P:11.60W PF:0.9880 Freq:60.00Hz Lamp Flux:1199.23x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

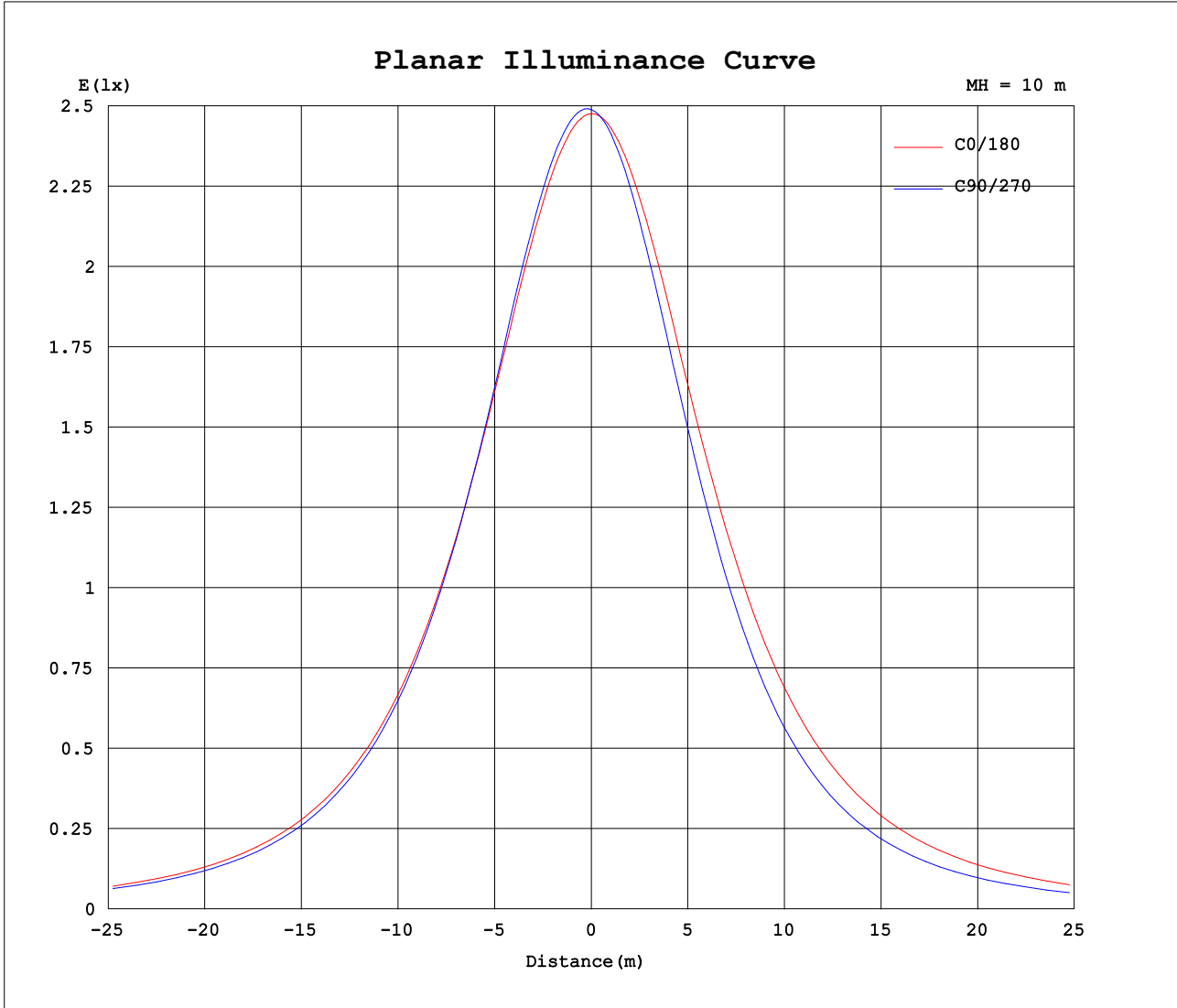


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-28

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:2024-02-28

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:120.6V I:0.0970A P:11.60W PF:0.9880 Freq:60.00Hz Lamp Flux:1199.23x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	248	247	248	249	249	249	248	247	248	249	249	249							
5	247	248	249	250	249	247	247	246	246	246	246	247							
10	244	248	250	248	245	243	245	244	242	241	241	243							
15	240	247	249	244	238	236	242	242	238	233	231	236							
20	234	245	247	238	229	226	237	239	233	224	220	227							
25	227	242	243	230	217	215	230	235	226	213	206	215							
30	219	238	238	220	204	203	223	230	219	201	191	202							
35	210	234	232	209	188	189	214	225	212	188	174	188							
40	200	226	225	197	172	174	205	218	203	174	156	173							
45	189	219	217	184	155	159	195	211	194	160	138	157							
50	178	211	207	170	138	143	185	203	185	146	120	141							
55	167	202	197	157	120	127	174	194	176	132	101	125							
60	155	192	186	143	102	112	163	185	166	119	82.7	109							
65	144	182	175	130	85.0	97.2	152	175	156	105	64.8	94.8							
70	133	171	164	117	68.4	83.0	141	165	146	93.9	48.0	81.7							
75	122	160	152	105	52.7	69.8	130	155	136	83.6	32.9	70.1							
80	111	148	141	93.9	38.5	57.9	120	145	126	74.5	20.7	60.5							
85	102	137	130	84.0	26.3	47.9	110	135	117	66.6	13.2	52.7							
90	93.4	126	119	75.0	17.4	39.7	101	125	108	60.2	11.0	46.9							
95	85.4	116	109	67.3	13.2	33.8	92.3	114	99.2	54.8	11.4	42.6							
100	78.1	106	99.1	60.5	10.8	28.9	83.9	104	90.7	50.0	12.7	39.6							
105	68.6	94.7	89.8	53.9	8.55	19.3	72.6	95.2	82.1	42.6	14.7	37.3							
110	59.2	74.8	75.3	46.7	7.31	15.6	61.8	85.1	68.8	36.2	16.9	35.8							
115	54.8	60.0	57.5	36.3	6.76	12.5	54.9	71.0	52.9	34.6	19.2	34.8							
120	50.8	55.7	47.3	26.2	6.62	8.86	45.1	55.4	42.5	33.5	21.5	34.1							
125	47.3	51.6	42.5	21.3	6.37	8.29	34.2	43.2	39.5	32.8	23.8	33.6							
130	44.2	48.0	38.9	18.4	5.41	9.69	26.1	36.5	37.3	32.0	25.8	33.4							
135	41.1	44.5	35.8	15.1	4.66	11.2	21.5	32.8	35.0	31.9	27.5	33.4							
140	39.0	40.8	32.5	11.0	4.37	12.1	17.9	29.4	32.5	31.9	29.1	33.5							
145	37.1	37.9	29.5	7.58	4.34	13.2	11.9	27.8	31.6	32.1	30.4	33.6							
150	35.6	35.9	23.3	4.83	4.38	14.2	7.06	28.0	31.5	32.3	31.6	33.7							
155	34.6	33.7	13.7	4.58	4.45	15.0	5.96	26.2	31.2	32.5	32.5	33.7							
160	33.9	31.7	7.38	4.60	4.62	15.6	5.28	22.6	30.9	32.7	33.1	33.6							
165	33.3	26.8	4.77	5.01	8.73	16.9	4.89	12.6	30.3	32.7	33.3	33.3							
170	32.0	20.1	4.74	10.5	15.8	19.7	5.32	5.05	28.3	32.4	32.9	32.7							
175	29.8	11.5	5.98	19.3	23.4	24.5	12.7	4.84	24.5	30.7	31.9	31.6							
180	24.1	4.81	17.2	27.5	29.6	29.6	24.0	4.80	17.4	27.5	29.6	29.6							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-28

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: