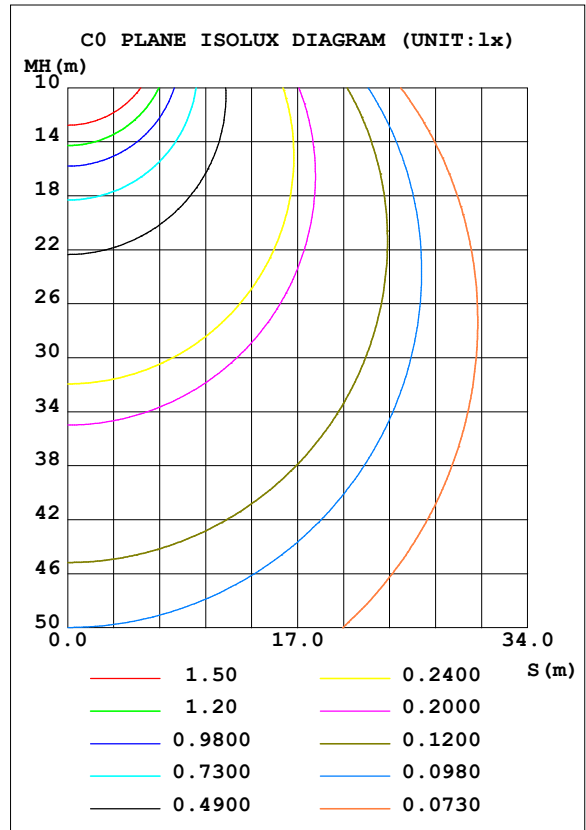
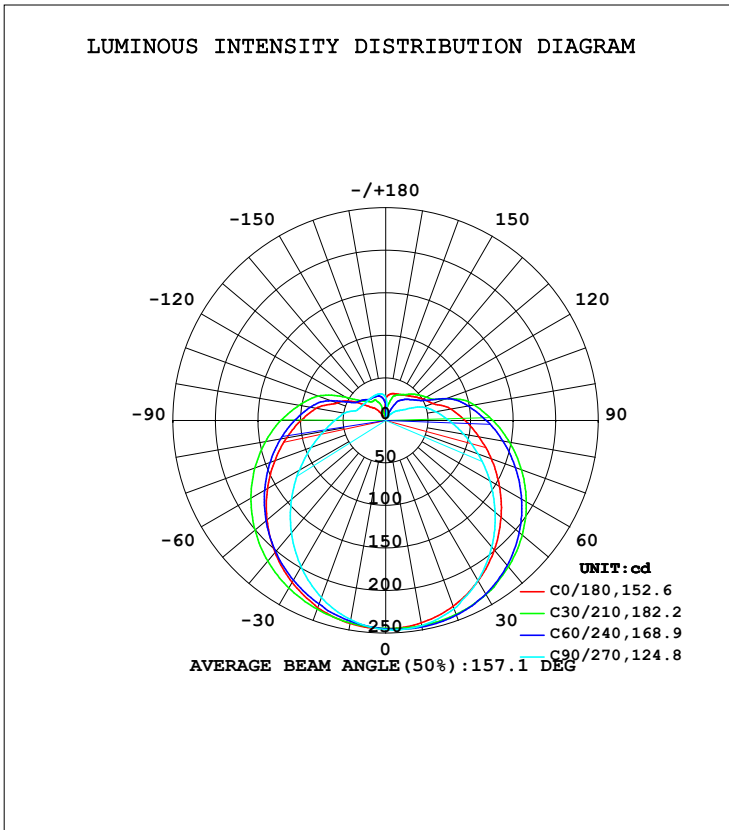


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.1000A P:12.00W PF:0.9890 Freq:60.00Hz Lamp Flux:1187.89x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.99 lm/W			
MODEL		I _{max} (cd)	246.5	S/MH (C0/180)	1.34
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1187.9	η UP, DN (C0-180)	10.4, 40.2
NOMINAL FLUX (lm)	1187.89	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.5, 37.9
LAMPS INSIDE	1	η up (%)	21.9	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	78.1	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	241.6	245.6	244.8	240.6	242.2	240.5	237.7	239.0	0- 10	23.23	23.23	1.96,1.96
20	232.3	243.0	235.3	224.3	234.2	232.7	221.4	220.9	10- 20	66.87	90.10	7.59,7.59
30	217.6	235.8	217.0	199.9	219.9	222.2	198.9	194.8	20- 30	102.6	192.7	16.2,16.2
40	198.7	223.5	194.1	170.3	202.4	208.5	172.4	163.2	30- 40	127.1	319.8	26.9,26.9
50	177.2	207.3	168.1	138.0	182.2	192.1	144.7	129.4	40- 50	138.7	458.5	38.6,38.6
60	154.4	187.7	141.3	105.4	160.4	173.6	117.1	95.34	50- 60	138.2	596.7	50.2,50.2
70	132.4	166.1	115.7	74.62	138.7	154.1	93.31	64.49	60- 70	127.8	724.5	61,61
80	111.3	143.9	93.00	47.51	118.3	134.4	74.00	40.41	70- 80	111.0	835.5	70.3,70.3
90	93.31	122.2	74.48	28.23	99.64	115.3	59.86	28.87	80- 90	92.47	928.0	78.1,78.1
100	78.08	102.2	60.13	19.62	82.99	96.84	49.67	26.07	90-100	75.97	1004	84.5,84.5
110	58.92	75.03	46.33	11.34	60.92	76.27	35.99	26.20	100-110	59.42	1063	89.5,89.5
120	50.48	51.28	26.24	7.662	44.63	48.54	33.26	27.59	110-120	41.13	1105	93,93
130	43.78	42.97	18.07	7.436	25.75	36.56	31.65	29.26	120-130	28.72	1133	95.4,95.4
140	38.56	36.07	10.79	8.082	17.63	30.57	31.59	30.91	130-140	21.37	1155	97.2,97.2
150	35.20	29.15	4.783	9.132	6.987	29.34	31.91	32.25	140-150	15.39	1170	98.5,98.5
160	33.50	19.24	4.545	9.960	5.210	26.42	32.40	32.90	150-160	10.25	1180	99.4,99.4
170	31.59	12.18	10.20	17.36	5.242	16.44	31.89	32.34	160-170	5.713	1186	99.8,99.8
180	23.74	10.81	27.03	29.10	23.68	10.91	27.07	29.14	170-180	1.931	1188	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 388.48 lm

%lum = 32.7%

%lamp = 32.7%

Conical surface Flux(120deg): 596.73 lm

%lum = 50.2%

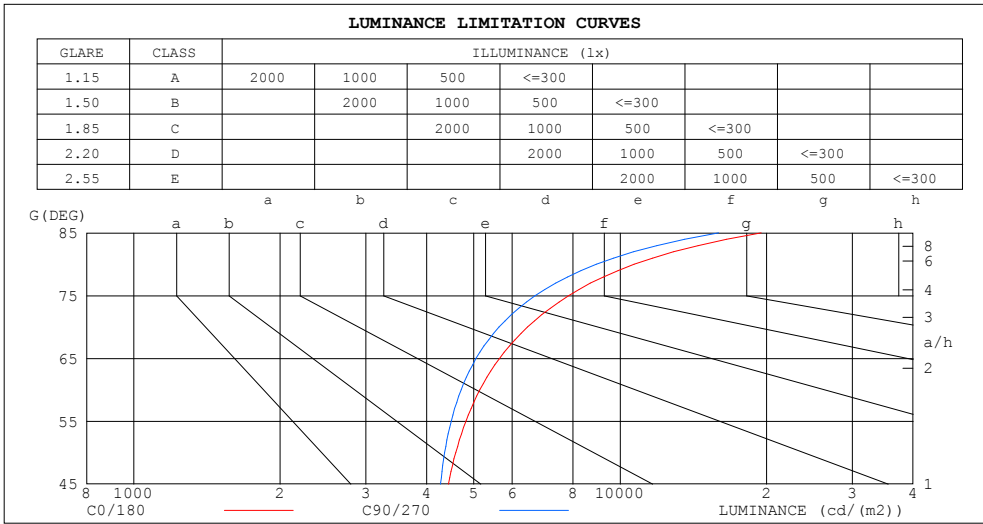
%lamp = 50.2%

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:0.1000A P:12.00W PF:0.9890 Freq:60.00Hz Lamp Flux:1187.89x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	19499	15924
80	10685	8926
75	7844	6689
70	6450	5636
65	5651	5055
60	5148	4710
55	4820	4494
50	4594	4357
45	4434	4274

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:0.1000A P:12.00W PF:0.9890 Freq:60.00Hz Lamp Flux:1187.89x1 lm														
NAME: LVS1R-14-12-95C-MV-BL 整灯 5000K							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	.175	.056	
2.0	.333	.183	.056	.321	.177	.054	.297	.165	.051	.275	.154	.048	.255	.144	.046	
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	.198	.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	.098	.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	.165	.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	.354	.324	.296	.303	.278	.255	.207	.191	.176	.119	.111	.103	.038	.036	.033	
2.0	.347	.301	.262	.297	.259	.227	.204	.179	.158	.117	.104	.093	.038	.034	.030	
3.0	.339	.285	.241	.291	.245	.209	.200	.171	.146	.115	.100	.086	.037	.032	.028	
4.0	.332	.272	.227	.285	.235	.197	.196	.164	.139	.113	.096	.082	.036	.031	.027	
5.0	.324	.262	.217	.278	.227	.189	.192	.159	.133	.111	.093	.079	.036	.030	.026	
6.0	.317	.255	.210	.272	.220	.183	.188	.154	.129	.109	.091	.077	.035	.030	.025	
7.0	.310	.248	.205	.266	.215	.179	.184	.151	.127	.107	.089	.075	.035	.029	.025	
8.0	.303	.243	.201	.261	.210	.175	.180	.148	.124	.105	.087	.074	.034	.029	.025	
9.0	.297	.238	.198	.256	.206	.173	.177	.145	.123	.103	.086	.073	.033	.028	.024	
10.0	.291	.234	.196	.251	.203	.171	.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:0.1000A P:12.00W PF:0.9890 Freq:60.00Hz Lamp Flux:1187.89x1 lm										
NAME: LVS1R-14-12-95C-MV-BL 整灯 5000K					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	17.5	18.8	18.0	19.4	20.0	17.2	18.5	17.7	19.0	19.7
3H	19.9	21.1	20.5	21.7	22.4	19.4	20.6	20.0	21.2	21.9
4H	21.2	22.4	21.8	23.0	23.7	20.6	21.8	21.2	22.4	23.1
6H	22.6	23.7	23.3	24.4	25.1	21.9	23.0	22.5	23.6	24.4
8H	23.4	24.5	24.1	25.1	25.9	22.6	23.7	23.3	24.3	25.0
12H	24.3	25.4	25.0	26.0	26.8	23.4	24.4	24.1	25.1	25.8
4H 2H	18.5	19.6	19.1	20.3	21.0	18.3	19.4	18.9	20.0	20.7
3H	21.2	22.2	21.9	22.9	23.6	20.8	21.9	21.5	22.5	23.3
4H	22.7	23.7	23.4	24.3	25.1	22.2	23.2	22.9	23.8	24.6
6H	24.3	25.2	25.0	25.9	26.7	23.7	24.6	24.4	25.3	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	27.7	28.5	25.4	26.1	26.1	26.8	27.7
8H 4H	23.5	24.2	24.2	25.0	25.8	23.1	23.9	23.8	24.6	25.4
6H	25.5	26.1	26.2	26.9	27.7	25.0	25.6	25.7	26.4	27.2
8H	26.6	27.2	27.3	27.9	28.8	26.0	26.6	26.7	27.3	28.2
12H	27.8	28.3	28.6	29.1	30.0	27.1	27.6	27.9	28.4	29.3
12H 4H	23.6	24.4	24.4	25.1	25.9	23.3	24.0	24.0	24.8	25.6
6H	25.8	26.4	26.5	27.1	28.0	25.4	25.9	26.1	26.7	27.6
8H	27.0	27.6	27.8	28.3	29.2	26.5	27.1	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, 1188 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:0.1000A P:12.00W PF:0.9890 Freq:60.00Hz Lamp Flux:1187.89x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

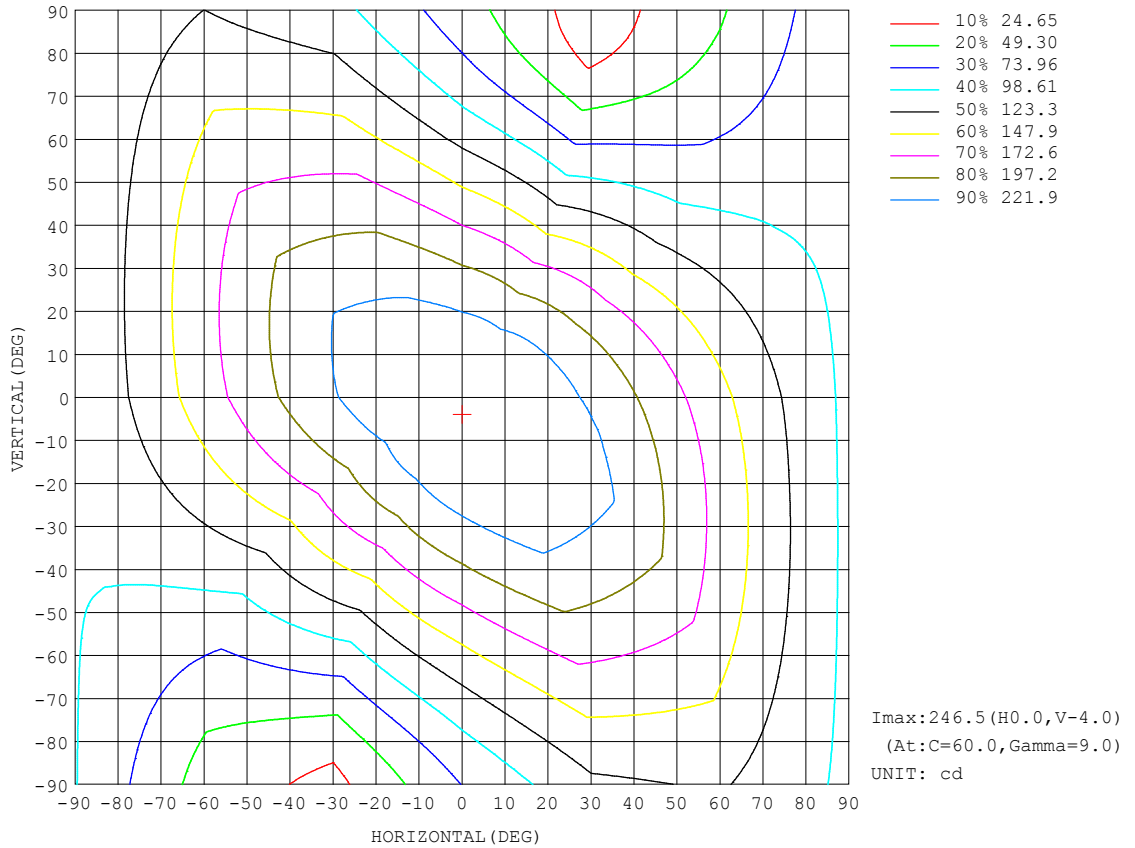
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	27	45	34	27	43	33	26	19
0.80	56	43	35	54	42	34	51	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	85	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:0.1000A P:12.00W PF:0.9890 Freq:60.00Hz Lamp Flux:1187.89x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

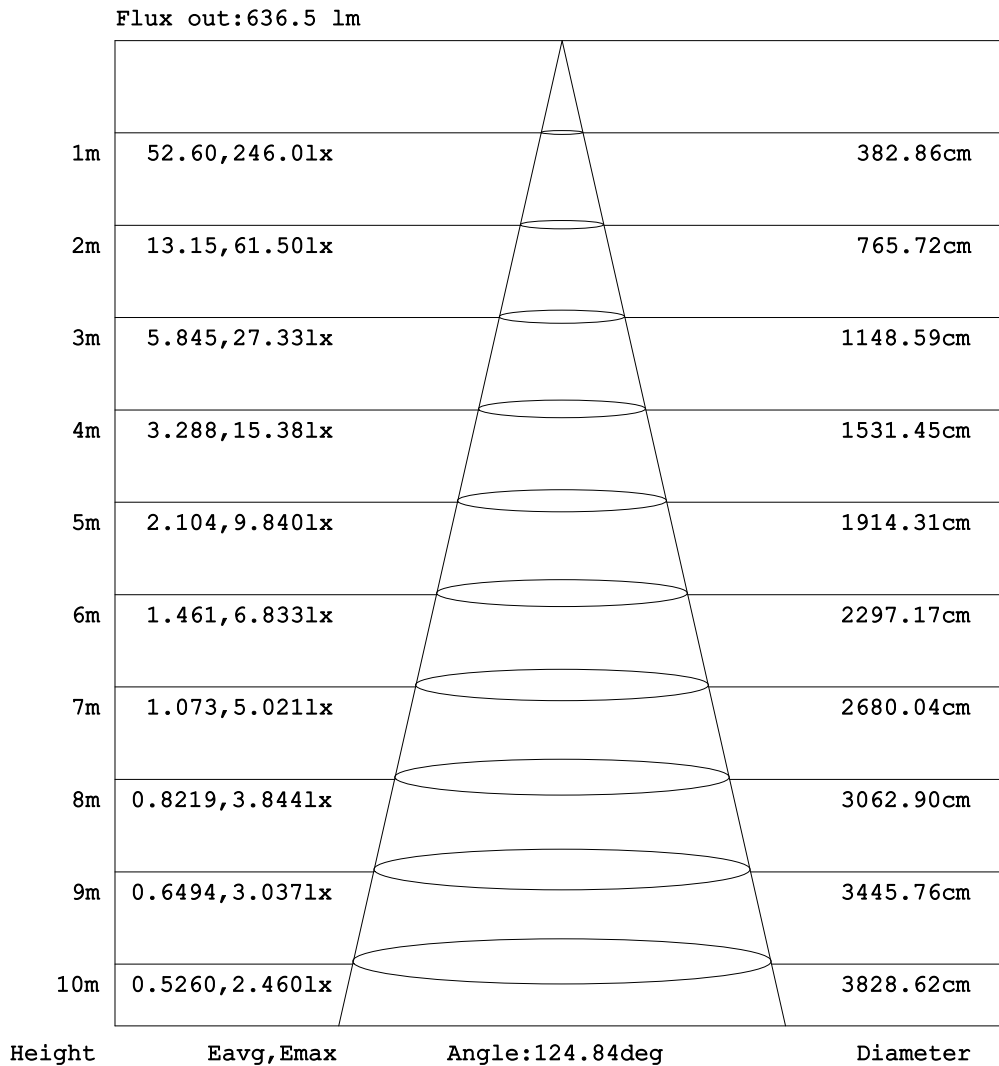


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-02-28

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:0.1000A P:12.00W PF:0.9890 Freq:60.00Hz Lamp Flux:1187.89x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

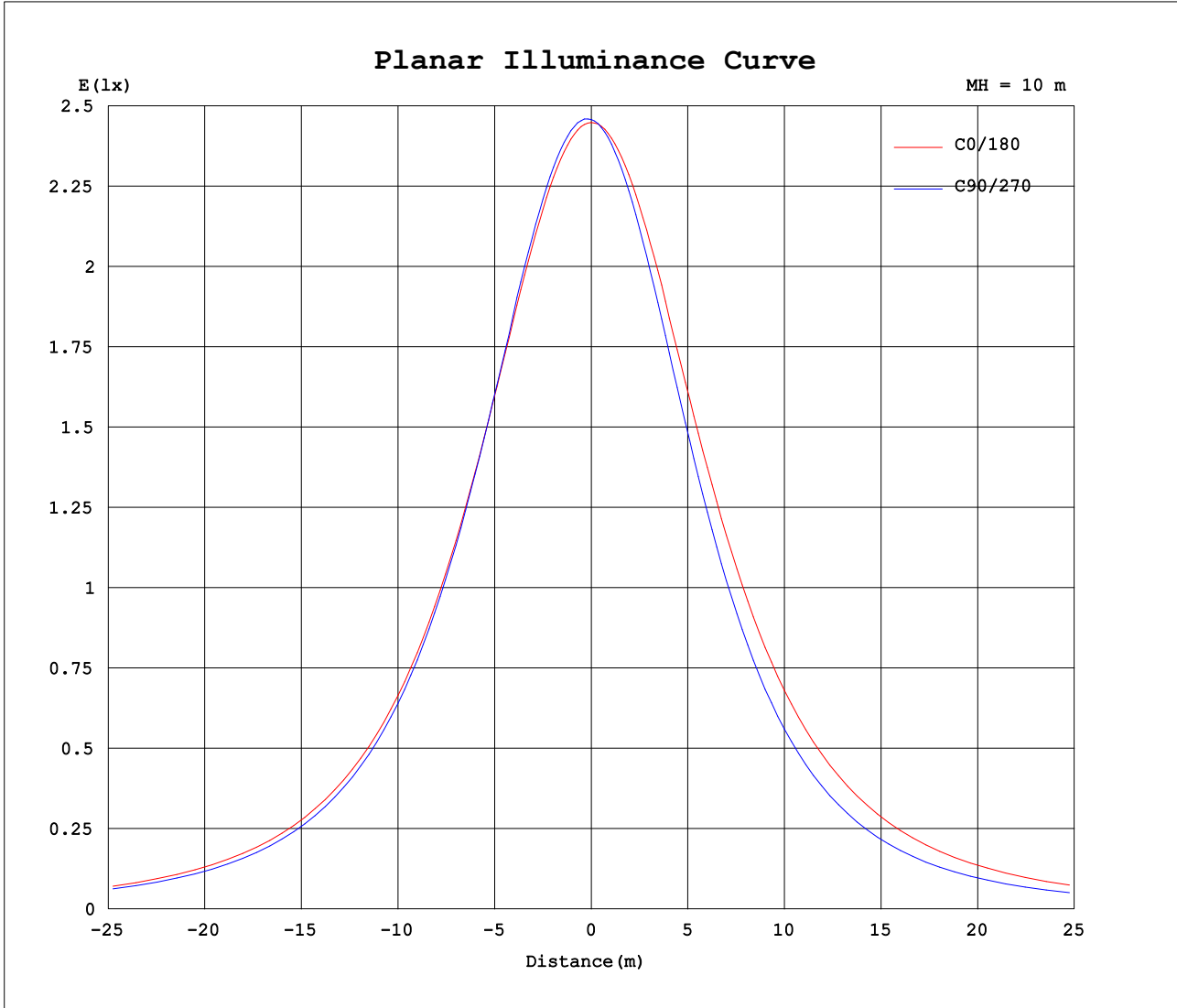


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1000A P:12.00W PF:0.9890 Freq:60.00Hz Lamp Flux:1187.89x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 5000K	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	245	244	245	246	246	245	245	244	245	246	246	245							
5	244	245	246	246	245	244	244	243	243	243	243	244							
10	242	245	246	245	242	240	242	241	240	238	238	240							
15	238	244	246	241	235	232	239	239	235	230	229	233							
20	232	242	244	235	226	223	234	236	229	221	217	224							
25	226	240	240	226	214	212	227	232	224	211	204	213							
30	218	236	235	217	200	199	220	228	217	199	189	201							
35	209	230	229	206	185	186	212	222	210	186	173	186							
40	199	225	222	194	169	171	202	216	201	172	155	171							
45	188	218	214	181	153	156	193	209	193	159	137	156							
50	177	210	205	168	135	141	182	201	184	145	119	140							
55	166	201	195	155	118	125	171	192	174	131	100	124							
60	154	191	184	141	101	110	160	183	164	117	82.1	109							
65	143	181	173	128	83.7	95.7	149	173	154	105	64.5	94.3							
70	132	170	162	116	67.5	81.8	139	164	145	93.3	47.7	81.3							
75	122	159	151	104	52.0	68.8	128	154	135	83.1	32.7	69.8							
80	111	148	140	93.0	38.0	57.1	118	143	125	74.0	20.5	60.3							
85	102	137	129	83.3	26.0	47.2	109	133	116	66.3	13.1	52.6							
90	93.3	126	118	74.5	17.3	39.2	99.6	123	107	59.9	11.0	46.8							
95	85.4	116	108	66.9	13.0	33.3	91.3	113	98.5	54.5	11.3	42.5							
100	78.1	106	98.6	60.1	10.7	28.5	83.0	104	90.1	49.7	12.7	39.5							
105	68.4	94.4	89.3	53.6	8.50	19.1	71.7	94.3	81.6	42.3	14.6	37.2							
110	58.9	74.8	75.2	46.3	7.25	15.4	60.9	84.3	68.2	36.0	16.8	35.6							
115	54.5	59.8	57.7	36.2	6.68	12.4	54.3	70.4	52.5	34.4	19.1	34.6							
120	50.5	55.2	47.3	26.2	6.52	8.80	44.6	55.0	42.1	33.3	21.3	33.8							
125	47.0	51.2	42.2	21.0	6.26	8.19	33.9	42.8	39.2	32.5	23.5	33.3							
130	43.8	47.5	38.4	18.1	5.34	9.53	25.7	36.2	37.0	31.7	25.5	33.0							
135	40.7	44.0	35.2	14.8	4.60	11.0	21.2	32.4	34.6	31.5	27.3	33.0							
140	38.6	40.2	31.9	10.8	4.32	11.8	17.6	29.0	32.2	31.6	28.8	33.1							
145	36.7	37.3	28.8	7.50	4.29	13.0	11.7	27.4	31.2	31.7	30.1	33.2							
150	35.2	35.4	22.9	4.78	4.34	13.9	6.99	27.6	31.1	31.9	31.3	33.2							
155	34.1	33.2	13.6	4.52	4.39	14.7	5.89	25.8	30.8	32.1	32.1	33.2							
160	33.5	31.2	7.31	4.54	4.56	15.4	5.21	22.3	30.5	32.4	32.7	33.1							
165	32.9	26.3	4.72	4.93	8.50	16.6	4.83	12.5	29.9	32.3	32.9	32.8							
170	31.6	19.7	4.67	10.2	15.4	19.4	5.24	4.99	27.9	31.9	32.5	32.2							
175	29.4	11.3	5.85	18.9	22.9	24.0	12.5	4.78	24.1	30.3	31.4	31.1							
180	23.7	4.75	16.9	27.0	29.1	29.1	23.7	4.75	17.1	27.1	29.1	29.1							

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: