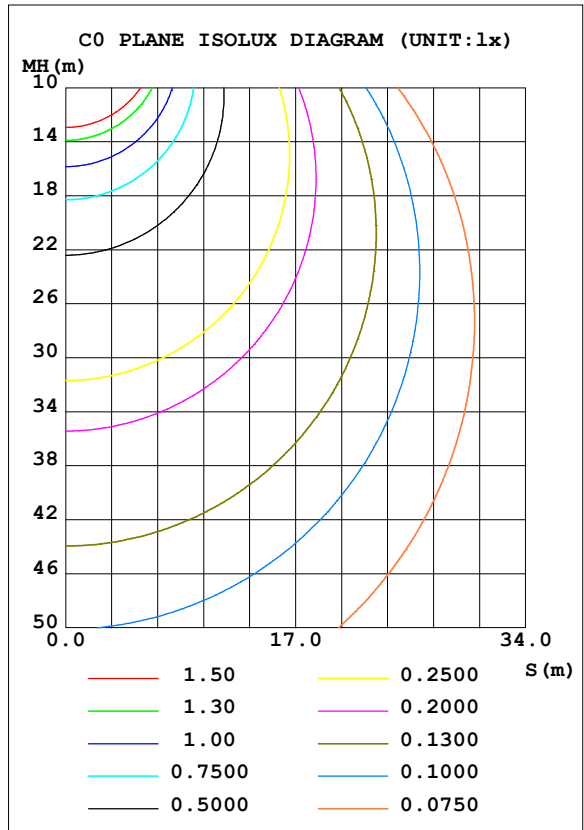
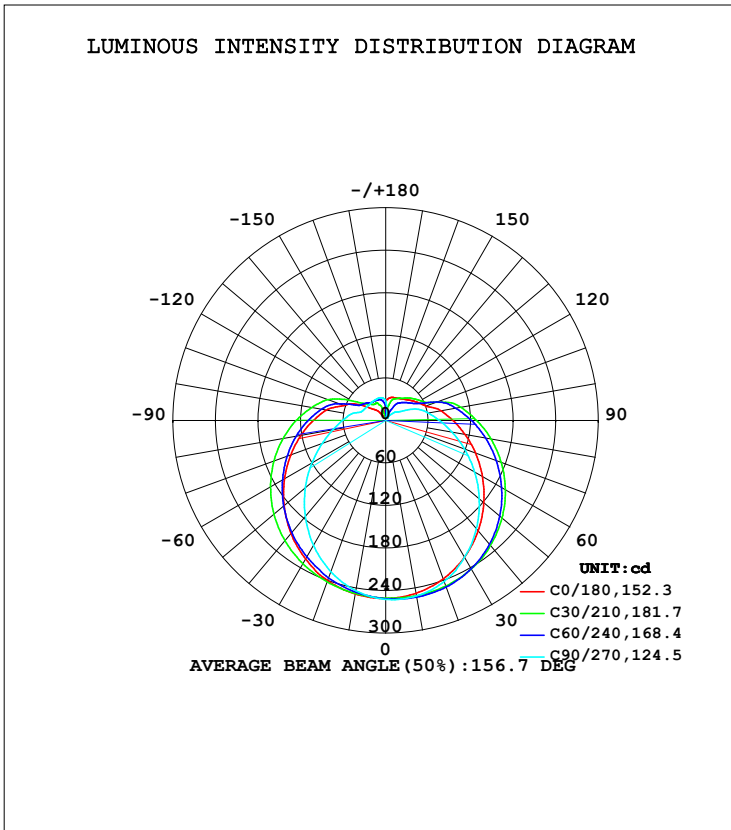


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.0980A P:11.70W PF:0.9880 Freq:60.00Hz Lamp Flux:1216.68x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.99 lm/W			
MODEL		I _{max} (cd)	253.0	S/MH (C0/180)	1.34
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1216.7	η UP, DN (C0-180)	10.4, 40.2
NOMINAL FLUX (lm)	1216.68	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	247.5	252.0	251.4	247.2	248.6	246.8	243.8	245.1	0- 10	23.84	23.84	1.96,1.96
20	237.8	249.2	241.5	230.5	240.3	239.2	226.9	226.4	10- 20	68.63	92.47	7.6,7.6
30	222.6	241.7	222.8	205.7	225.8	227.9	203.7	199.4	20- 30	105.3	197.8	16.3,16.3
40	203.1	228.9	199.3	175.1	207.9	213.8	176.5	167.0	30- 40	130.3	328.1	27,27
50	180.8	212.2	172.4	141.9	187.1	196.8	148.0	132.2	40- 50	142.2	470.3	38.7,38.7
60	157.6	191.9	144.8	108.3	164.8	177.8	120.4	97.43	50- 60	141.6	611.8	50.3,50.3
70	134.9	169.7	118.5	76.71	142.5	157.8	95.33	65.88	60- 70	130.8	742.6	61,61
80	113.4	146.9	95.15	48.74	121.5	137.6	75.62	41.25	70- 80	113.6	856.2	70.4,70.4
90	94.98	124.8	76.10	28.96	102.3	118.0	61.13	29.45	80- 90	94.53	950.8	78.1,78.1
100	79.49	104.2	61.36	20.11	85.11	99.09	50.75	26.61	90-100	77.64	1028	84.5,84.5
110	60.19	76.31	47.34	11.61	62.60	78.10	36.75	26.77	100-110	60.71	1089	89.5,89.5
120	51.61	52.30	26.65	7.868	45.77	49.69	34.01	28.22	110-120	42.02	1131	93,93
130	44.83	44.04	18.62	7.660	26.43	37.45	32.41	29.98	120-130	29.40	1161	95.4,95.4
140	39.58	37.11	11.09	8.335	18.13	31.40	32.37	31.73	130-140	21.93	1182	97.2,97.2
150	36.19	30.00	4.904	9.414	7.170	30.13	32.74	33.12	140-150	15.81	1198	98.5,98.5
160	34.49	19.83	4.670	10.26	5.359	27.14	33.19	33.81	150-160	10.54	1209	99.4,99.4
170	32.51	12.55	10.64	17.96	5.387	16.91	32.78	33.26	160-170	5.880	1215	99.8,99.8
180	24.38	11.17	27.86	29.96	24.25	11.28	27.94	30.01	170-180	1.990	1217	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 398.49 lm

%lum = 32.8%

%lamp = 32.8%

Conical surface Flux(120deg): 611.84 lm

%lum = 50.3%

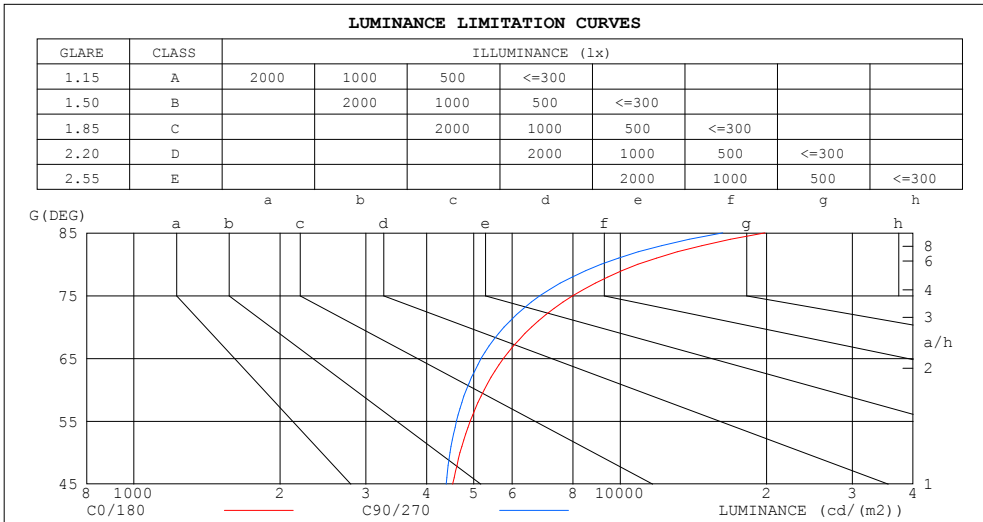
%lamp = 50.3%

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:0.0980A P:11.70W PF:0.9880 Freq:60.00Hz Lamp Flux:1216.68x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	19855	16256
80	10884	9132
75	7996	6841
70	6575	5773
65	5759	5180
60	5252	4825
55	4918	4609
50	4687	4470
45	4527	4387

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:0.0980A P:11.70W PF:0.9880 Freq:60.00Hz Lamp Flux:1216.68x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 4000K	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	.177	.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	.354	.323	.296	.303	.278	.255	.207	.191	.176	.119	.110	.103	.038	.036	.033	
2.0	.347	.301	.262	.297	.259	.227	.204	.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	.159	.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	.025	
9.0	.297	.238	.198	.255	.206	.173	.177	.145	.123	.103	.086	.073	.033	.028	.024	
10.0	.291	.233	.195	.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:0.0980A P:11.70W PF:0.9880 Freq:60.00Hz Lamp Flux:1216.68x1 lm										
NAME: LVS1R-14-12-95C-MV-BL 整灯 4000K					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	19.3	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	22.3	21.8	23.0	23.7	20.6	21.8	21.2	22.4	23.1
6H	22.6	23.7	23.2	24.3	25.1	21.9	23.0	22.5	23.6	24.3
8H	23.4	24.5	24.0	25.1	25.8	22.6	23.7	23.2	24.3	25.0
12H	24.3	25.3	25.0	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	21.8	21.5	22.5	23.2
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	26.7	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	29.1	30.0	27.1	27.6	27.9	28.4	29.3
12H 4H	23.6	24.3	24.3	25.1	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, 1217 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.7)

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:0.0980A P:11.70W PF:0.9880 Freq:60.00Hz Lamp Flux:1216.68x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

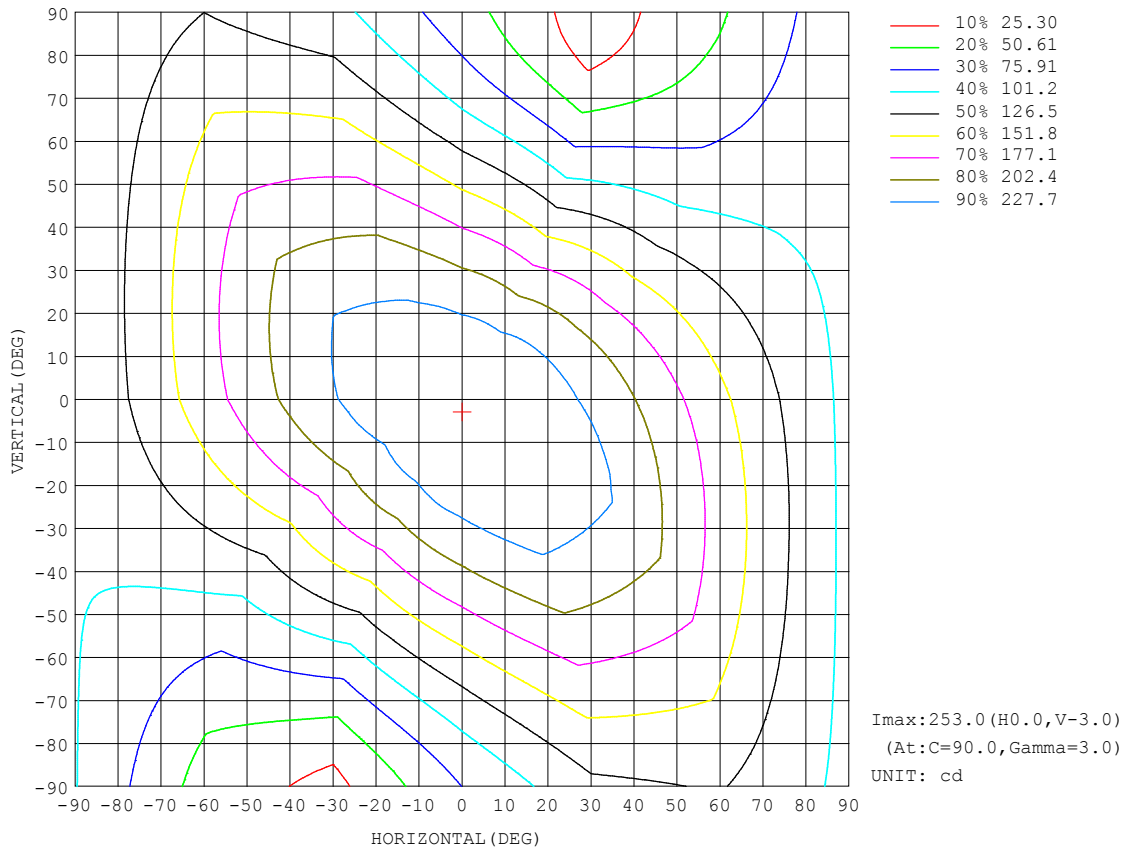
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	27	45	34	27	43	33	26	19
0.80	56	43	35	54	42	34	51	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:0.0980A P:11.70W PF:0.9880 Freq:60.00Hz Lamp Flux:1216.68x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

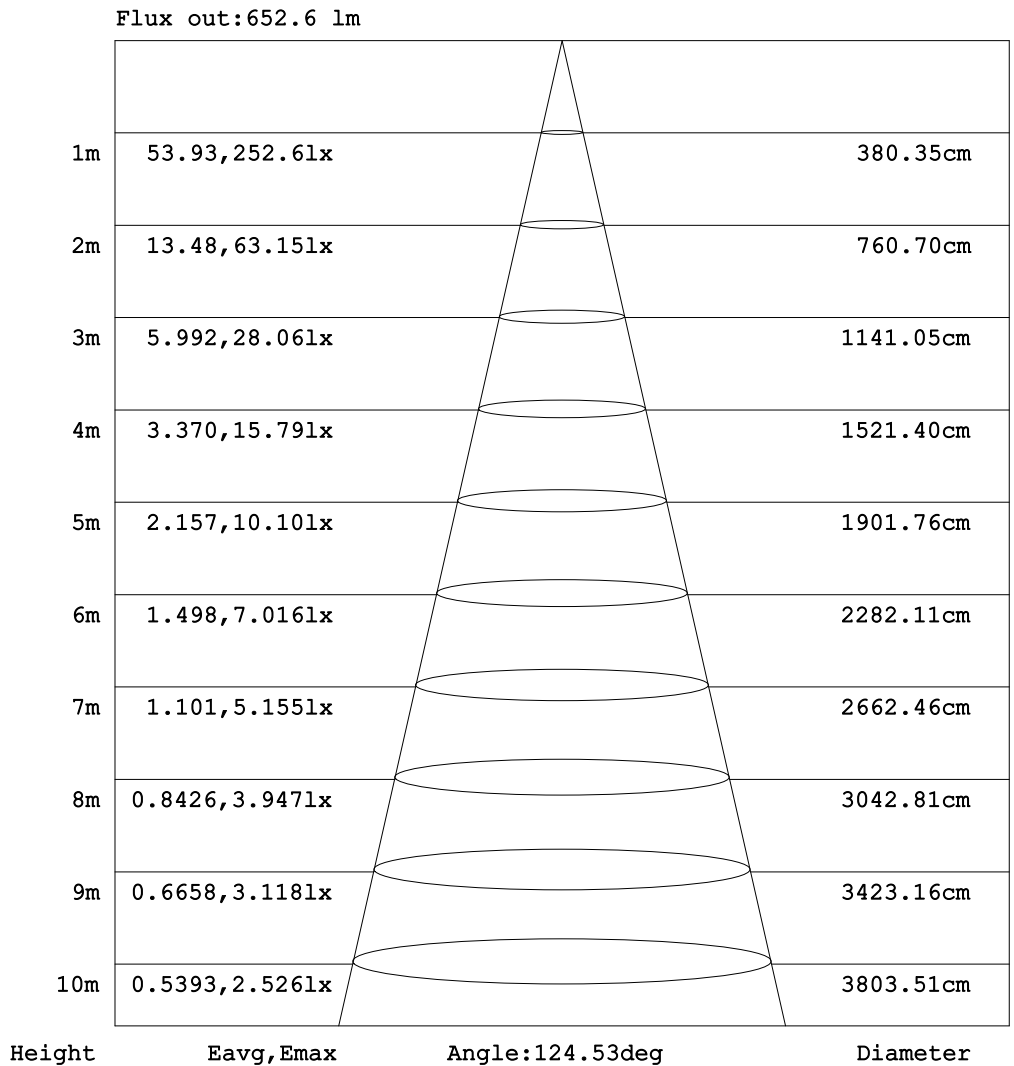


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-02-28

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:0.0980A P:11.70W PF:0.9880 Freq:60.00Hz Lamp Flux:1216.68x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

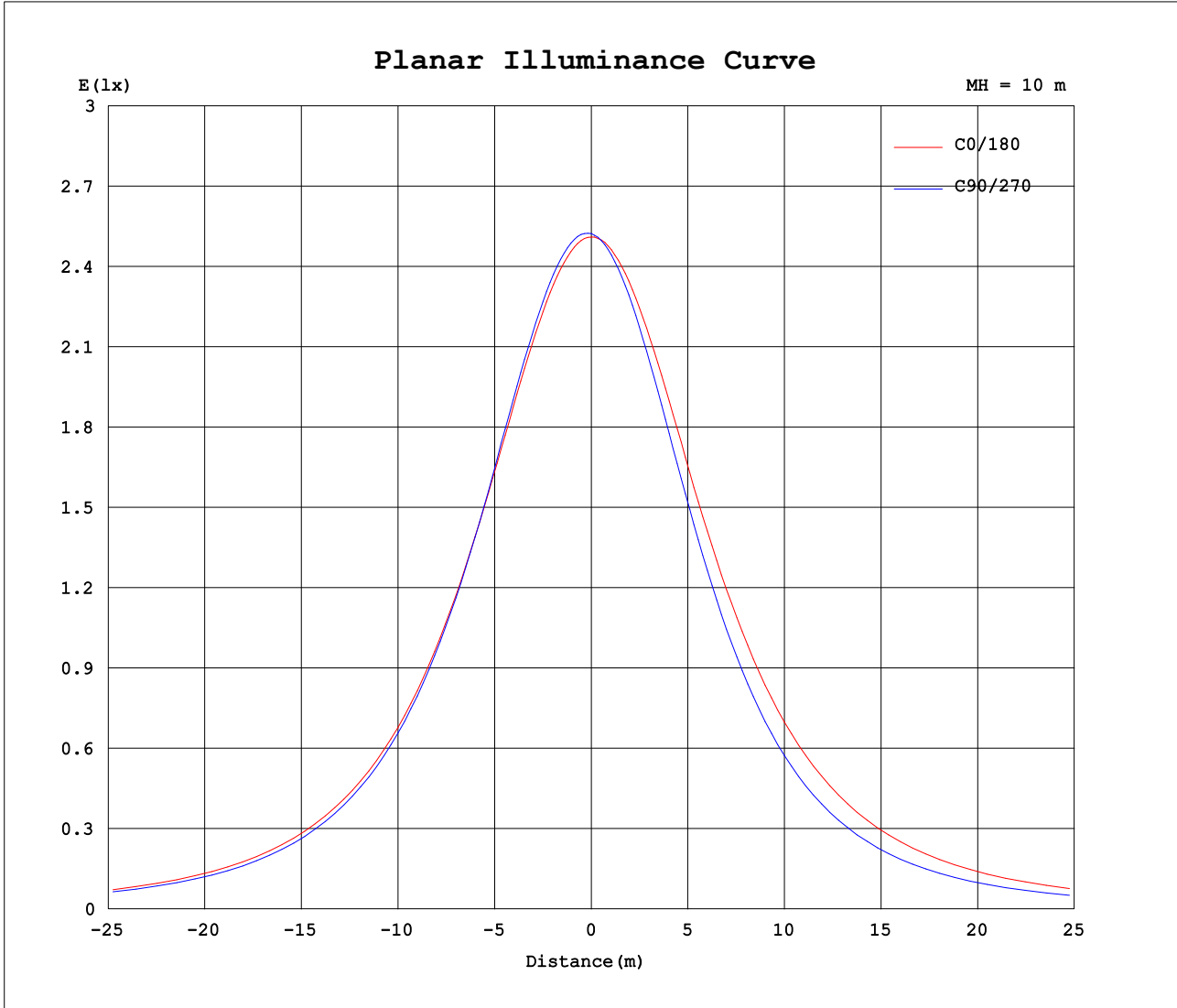


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0980A P:11.70W PF:0.9880 Freq:60.00Hz Lamp Flux:1216.68x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 4000K	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	251	251	251	252	253	252	251	251	251	252	253	252							
5	250	251	253	253	252	250	251	250	249	249	250	250							
10	247	251	253	251	248	246	249	248	246	244	244	246							
15	243	250	252	248	241	239	245	245	241	236	235	239							
20	238	248	250	242	232	229	240	242	236	227	223	230							
25	231	246	246	234	220	218	234	238	229	216	209	218							
30	223	242	242	223	206	205	226	234	222	204	193	205							
35	213	237	235	212	191	191	217	228	215	190	177	191							
40	203	230	228	199	174	176	208	221	206	177	159	175							
45	192	223	220	186	157	160	198	214	197	162	140	159							
50	181	214	210	172	139	145	187	206	188	148	121	143							
55	169	205	200	159	121	129	176	197	178	134	103	127							
60	158	195	189	145	103	113	165	188	168	120	83.9	111							
65	146	185	178	131	86.0	98.4	154	178	158	107	65.8	96.4							
70	135	173	166	118	69.3	84.1	142	168	148	95.3	48.7	83.1							
75	124	162	154	106	53.4	70.6	132	157	138	84.9	33.4	71.4							
80	113	151	143	95.1	38.9	58.5	121	147	128	75.6	21.0	61.5							
85	104	140	132	85.0	26.6	48.4	112	137	119	67.7	13.4	53.7							
90	95.0	128	121	76.1	17.7	40.3	102	126	110	61.1	11.2	47.7							
95	86.9	118	110	68.3	13.3	34.2	93.6	116	101	55.7	11.5	43.4							
100	79.5	108	101	61.4	11.0	29.3	85.1	106	92.1	50.8	12.9	40.3							
105	69.8	96.2	91.2	54.7	8.67	19.5	73.6	96.7	83.4	43.3	14.9	38.0							
110	60.2	76.1	76.5	47.3	7.42	15.8	62.6	86.4	69.8	36.8	17.1	36.4							
115	55.6	61.0	58.5	36.8	6.85	12.7	55.7	72.1	53.7	35.1	19.5	35.4							
120	51.6	56.4	48.1	26.7	6.71	9.02	45.8	56.3	43.1	34.0	21.8	34.6							
125	48.0	52.4	43.2	21.6	6.45	8.42	34.7	43.9	40.1	33.2	24.1	34.1							
130	44.8	48.7	39.4	18.6	5.49	9.83	26.4	37.1	37.8	32.4	26.1	33.8							
135	41.7	45.1	36.2	15.2	4.73	11.3	21.8	33.3	35.5	32.3	28.0	33.9							
140	39.6	41.3	32.9	11.1	4.44	12.2	18.1	29.8	33.0	32.4	29.5	33.9							
145	37.7	38.4	29.8	7.66	4.41	13.4	12.1	28.2	32.0	32.5	30.9	34.1							
150	36.2	36.4	23.6	4.90	4.46	14.4	7.17	28.4	31.9	32.7	32.1	34.2							
155	35.1	34.1	13.9	4.65	4.52	15.2	6.04	26.6	31.6	33.0	33.0	34.2							
160	34.5	32.1	7.54	4.67	4.69	15.8	5.36	22.9	31.4	33.2	33.5	34.1							
165	33.9	27.1	4.85	5.10	8.82	17.1	4.96	12.9	30.8	33.2	33.7	33.8							
170	32.5	20.3	4.82	10.6	15.9	20.0	5.39	5.13	28.7	32.8	33.4	33.1							
175	30.2	11.6	6.07	19.6	23.6	24.8	12.8	4.91	24.8	31.1	32.3	32.0							
180	24.4	4.89	17.5	27.9	29.9	30.0	24.2	4.88	17.7	27.9	30.0	30.0							

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: