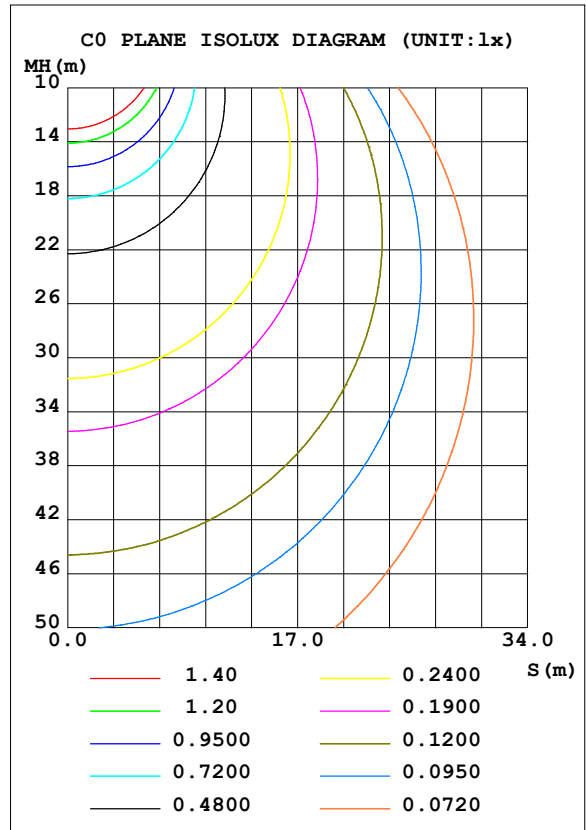
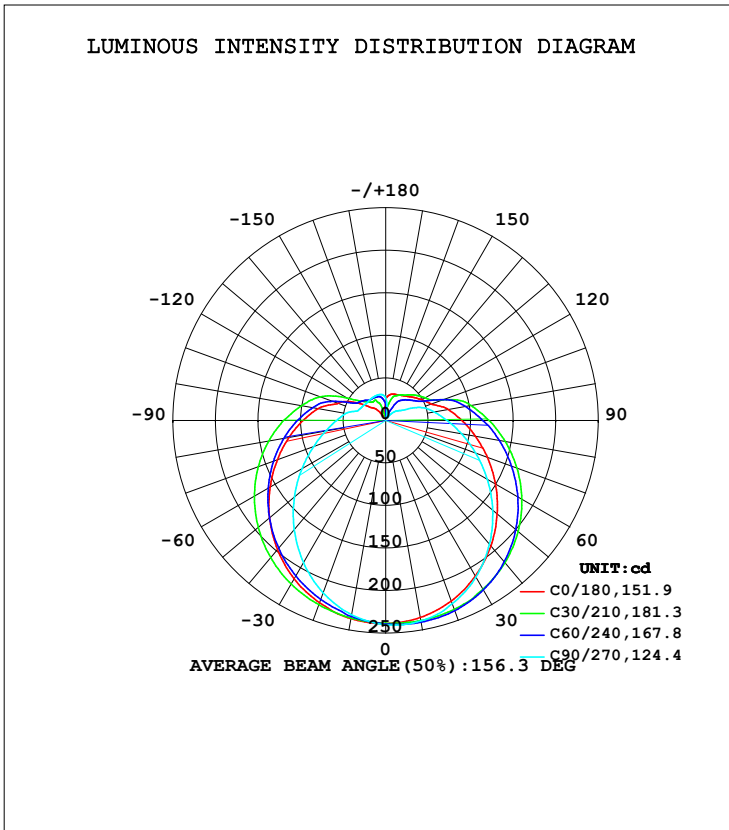


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.0980A P:11.80W PF:0.9880 Freq:60.00Hz Lamp Flux:1155.13x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.89 lm/W			
MODEL		I _{max} (cd)	240.8	S/MH (C0/180)	1.35
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.21
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1155.1	η UP, DN (C0-180)	10.4, 40.3
NOMINAL FLUX (lm)	1155.13	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	235.1	239.7	239.3	235.5	236.5	234.8	231.8	232.7	0- 10	22.67	22.67	1.96,1.96
20	225.7	237.0	229.2	219.8	227.9	227.0	215.5	214.9	10- 20	65.23	87.90	7.61,7.61
30	211.1	229.4	212.4	196.2	215.1	216.7	193.2	189.1	20- 30	100.1	188.0	16.3,16.3
40	192.4	217.5	189.9	167.1	198.0	203.1	167.3	158.2	30- 40	123.8	311.8	27,27
50	171.2	201.4	164.3	135.4	178.2	187.0	140.2	125.2	40- 50	135.1	446.9	38.7,38.7
60	149.0	182.0	137.9	103.4	156.9	168.8	113.5	92.13	50- 60	134.4	581.3	50.3,50.3
70	127.5	160.9	112.7	73.21	135.6	149.8	90.26	62.23	60- 70	124.1	705.5	61.1,61.1
80	107.1	139.1	90.52	46.54	115.5	130.5	71.53	38.94	70- 80	107.7	813.2	70.4,70.4
90	89.66	117.9	72.27	27.60	97.24	111.9	57.85	27.79	80- 90	89.60	902.8	78.2,78.2
100	75.01	98.58	58.34	19.15	80.89	93.93	48.07	25.13	90-100	73.54	976.4	84.5,84.5
110	57.03	72.15	44.96	11.06	59.59	74.03	34.80	25.34	100-110	57.53	1034	89.5,89.5
120	48.94	49.55	25.29	7.476	43.57	47.08	32.26	26.77	110-120	39.84	1074	93,93
130	42.60	41.91	17.87	7.298	25.10	35.54	30.79	28.50	120-130	27.92	1102	95.4,95.4
140	37.64	35.43	10.73	7.939	17.25	29.87	30.79	30.16	130-140	20.87	1123	97.2,97.2
150	34.43	28.70	4.669	8.981	6.822	28.70	31.16	31.52	140-150	15.07	1138	98.5,98.5
160	32.83	18.90	4.451	9.789	5.100	25.82	31.59	32.20	150-160	10.04	1148	99.4,99.4
170	30.97	12.09	10.13	17.16	5.152	16.12	31.22	31.68	160-170	5.603	1153	99.8,99.8
180	23.37	10.63	26.55	28.56	23.28	10.73	26.60	28.59	170-180	1.899	1155	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 378.72 lm

%lum = 32.8%
 %lamp = 32.8%

Conical surface Flux(120deg): 581.35 lm

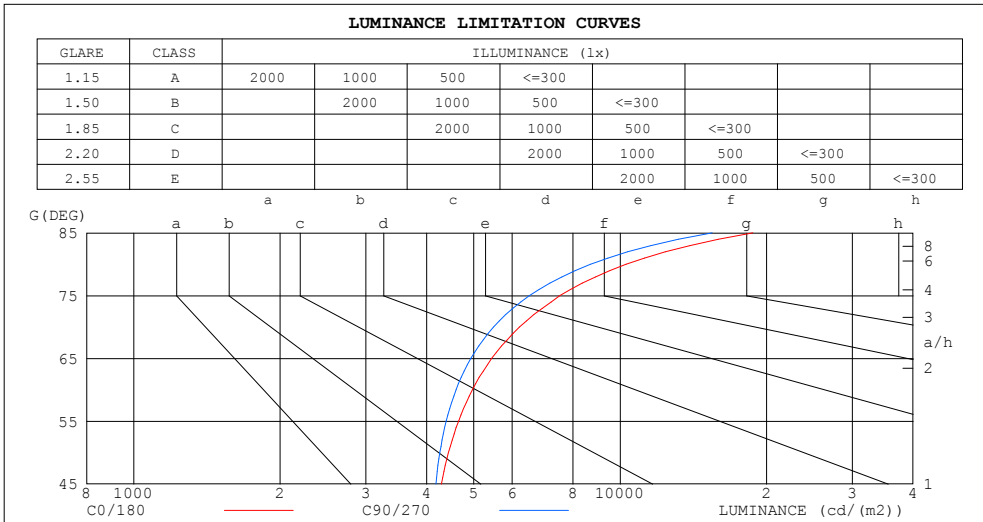
%lum = 50.3%
 %lamp = 50.3%

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:11.80W PF:0.9880 Freq:60.00Hz Lamp Flux:1155.13x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18744	15452
80	10277	8688
75	7517	6510
70	6211	5492
65	5446	4930
60	4968	4598
55	4653	4390
50	4438	4259
45	4288	4180

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:11.80W PF:0.9880 Freq:60.00Hz Lamp Flux:1155.13x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3000K	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	.181	.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	.099	.086	.037	.032	.028	
4.0	.331	.272	.226	.284	.235	.197	.196	.164	.139	.113	.096	.082	.036	.031	.027	
5.0	.324	.262	.217	.278	.227	.189	.191	.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	.237	.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:0.0980A P:11.80W PF:0.9880 Freq:60.00Hz Lamp Flux:1155.13x1 lm										
NAME: LVS1R-14-12-95C-MV-BL 整灯 3000K					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	19.8	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	24.4
8H	23.4	24.4	24.0	25.1	25.8	22.6	23.7	23.3	24.3	25.0
12H	24.3	25.3	24.9	25.9	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	23.3	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	25.9	25.9	26.6	27.5	24.5	25.3	25.2	26.0	26.8
12H	26.1	26.9	26.9	27.6	28.4	25.4	26.1	26.1	26.8	27.7
8H 4H	23.4	24.2	24.1	24.9	25.7	23.1	23.9	23.8	24.6	25.4
6H	25.4	26.1	26.1	26.8	27.7	25.0	25.6	25.7	26.4	27.2
8H	26.5	27.1	27.3	27.9	28.7	26.0	26.6	26.7	27.3	28.2
12H	27.7	28.3	28.5	29.0	29.9	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	24.7	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	27.7	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, 1155 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.5)

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:11.80W PF:0.9880 Freq:60.00Hz Lamp Flux:1155.13x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

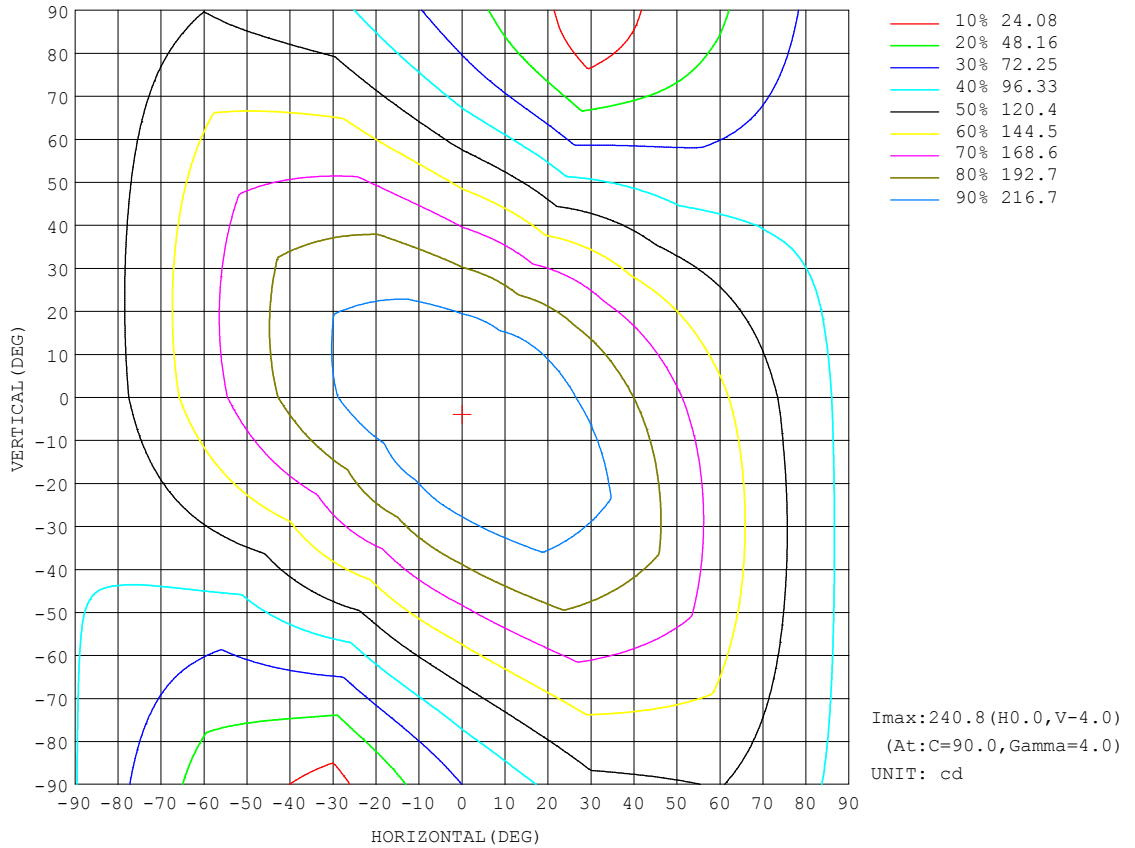
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	34	27	45	34	27	43	33	26	19
0.80	56	43	35	54	42	34	51	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	72	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:0.0980A P:11.80W PF:0.9880 Freq:60.00Hz Lamp Flux:1155.13x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

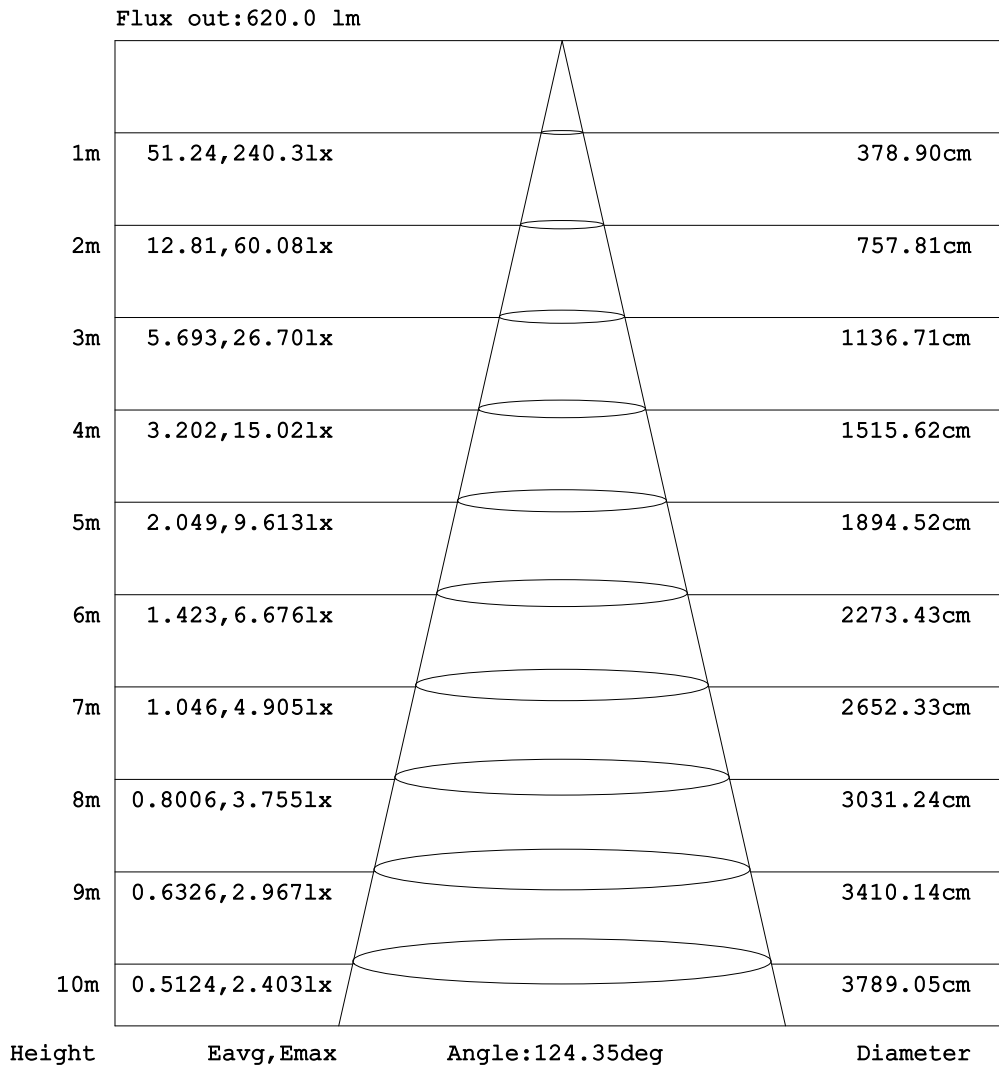


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-02-28

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:11.80W PF:0.9880 Freq:60.00Hz Lamp Flux:1155.13x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

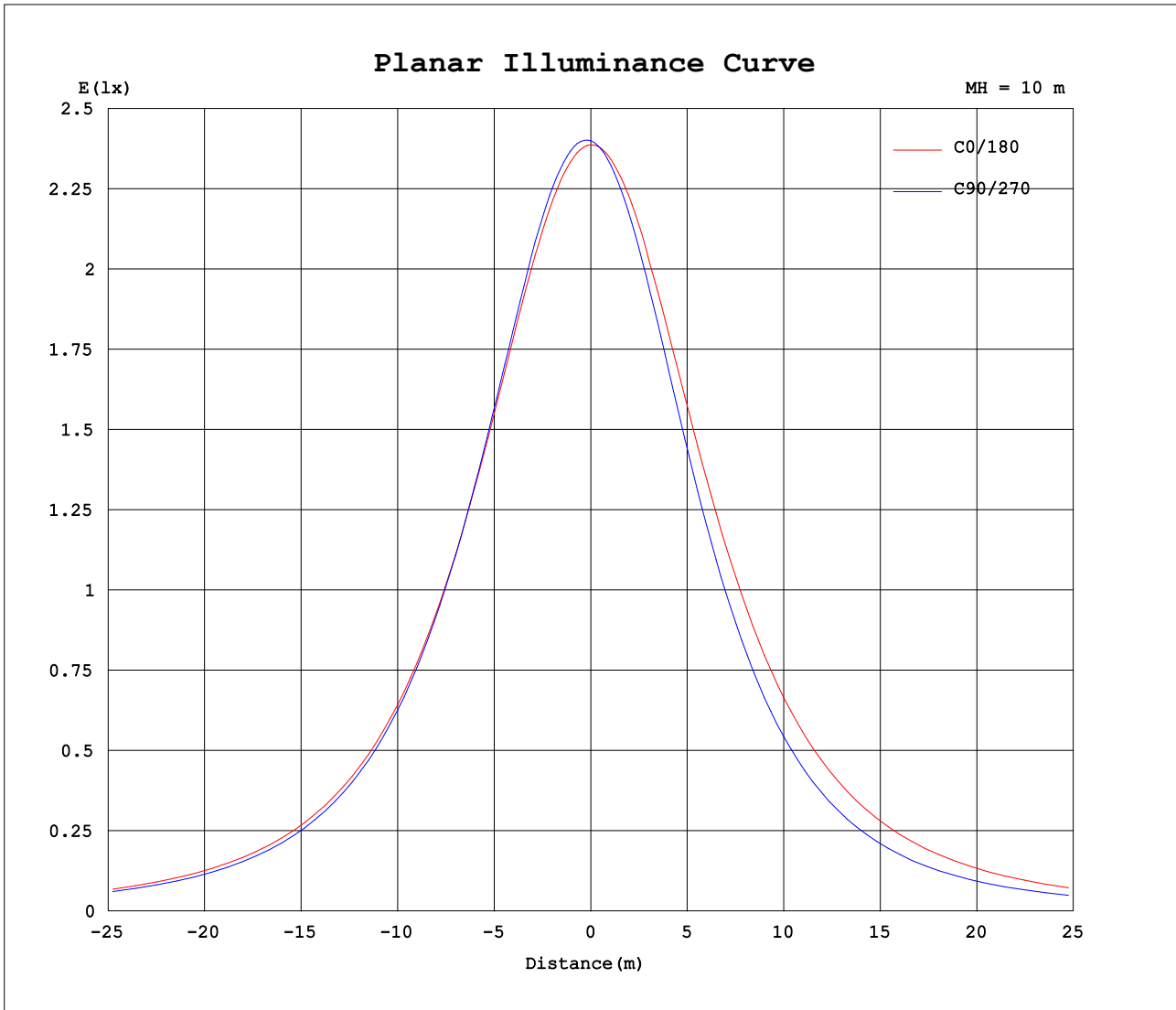


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:11.80W PF:0.9880 Freq:60.00Hz Lamp Flux:1155.13x1 lm		
NAME: LVS1R-14-12-95C-MV-BL 整灯 3000K	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	239	238	239	240	240	240	239	238	239	240	240	240							
5	238	239	240	241	240	238	238	237	237	237	238	238							
10	235	239	241	239	236	235	236	236	234	232	231	234							
15	231	238	240	236	230	227	234	233	229	225	222	227							
20	226	236	238	229	221	219	228	230	224	215	211	218							
25	219	234	234	222	210	208	222	227	218	205	198	207							
30	211	229	230	212	197	196	215	222	211	193	183	195							
35	202	224	224	202	182	182	207	217	204	181	167	181							
40	192	218	217	190	166	168	198	210	196	167	150	166							
45	182	211	209	177	150	153	188	203	187	154	133	151							
50	171	203	200	164	133	138	178	196	178	140	115	135							
55	160	194	190	151	115	123	168	187	169	127	97.1	120							
60	149	185	179	138	98.6	108	157	178	159	114	79.4	105							
65	138	175	169	125	82.1	93.9	146	169	150	101	62.3	91.0							
70	127	164	157	113	66.1	80.3	136	159	140	90.3	46.1	78.4							
75	117	153	147	101	51.0	67.5	125	150	131	80.3	31.5	67.3							
80	107	143	136	90.5	37.2	55.9	116	140	121	71.5	19.9	58.0							
85	98.0	132	125	80.8	25.4	46.2	106	130	112	64.1	12.7	50.6							
90	89.7	122	114	72.3	16.8	38.4	97.2	120	104	57.9	10.6	45.0							
95	82.0	112	105	64.8	12.7	32.7	89.0	110	95.4	52.7	10.9	40.9							
100	75.0	102	95.3	58.3	10.4	27.9	80.9	101	87.3	48.1	12.3	38.0							
105	66.0	91.0	86.3	52.0	8.24	18.6	70.0	91.7	79.0	40.9	14.1	35.8							
110	57.0	71.9	72.4	45.0	7.06	15.1	59.6	81.9	66.1	34.8	16.3	34.4							
115	52.7	57.7	55.2	35.0	6.52	12.1	53.0	68.3	50.9	33.3	18.5	33.5							
120	48.9	53.6	45.5	25.3	6.40	8.55	43.6	53.3	40.9	32.3	20.7	32.8							
125	45.6	49.8	40.9	20.5	6.16	8.00	33.0	41.5	38.0	31.6	22.9	32.4							
130	42.6	46.3	37.5	17.9	5.24	9.36	25.1	35.1	35.9	30.8	24.8	32.2							
135	39.7	43.0	34.5	14.7	4.50	10.8	20.8	31.6	33.7	30.7	26.6	32.2							
140	37.6	39.4	31.5	10.7	4.22	11.7	17.3	28.4	31.4	30.8	28.0	32.3							
145	35.8	36.6	28.6	7.34	4.20	12.8	11.4	26.8	30.5	30.9	29.4	32.4							
150	34.4	34.7	22.6	4.67	4.25	13.7	6.82	27.0	30.4	31.2	30.5	32.5							
155	33.4	32.6	13.2	4.43	4.31	14.5	5.75	25.3	30.1	31.4	31.4	32.6							
160	32.8	30.6	7.17	4.45	4.47	15.1	5.10	21.8	29.9	31.6	31.9	32.5							
165	32.3	26.0	4.62	4.85	8.46	16.3	4.73	12.2	29.3	31.6	32.1	32.2							
170	31.0	19.6	4.60	10.1	15.2	19.1	5.15	4.89	27.3	31.2	31.8	31.6							
175	28.8	11.2	5.77	18.7	22.6	23.7	12.4	4.69	23.7	29.7	30.8	30.5							
180	23.4	4.66	16.6	26.5	28.5	28.6	23.3	4.66	16.8	26.6	28.6	28.6							

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: