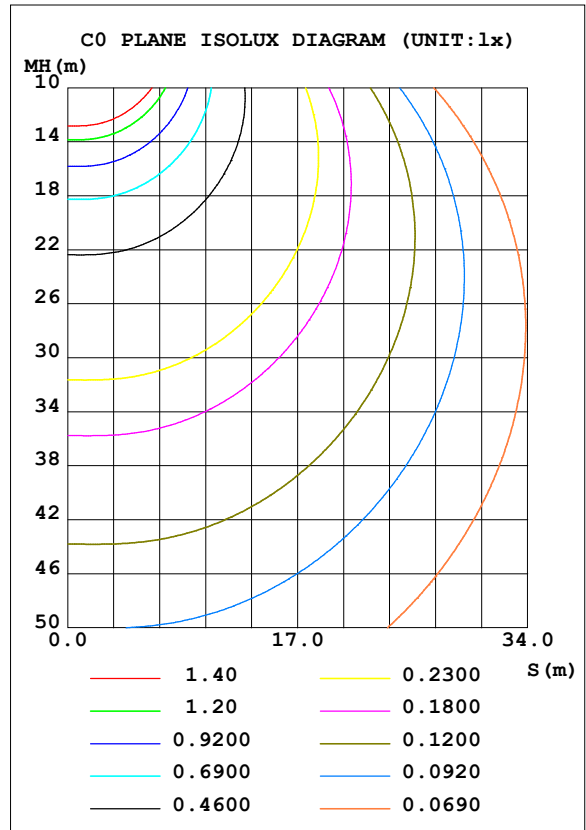
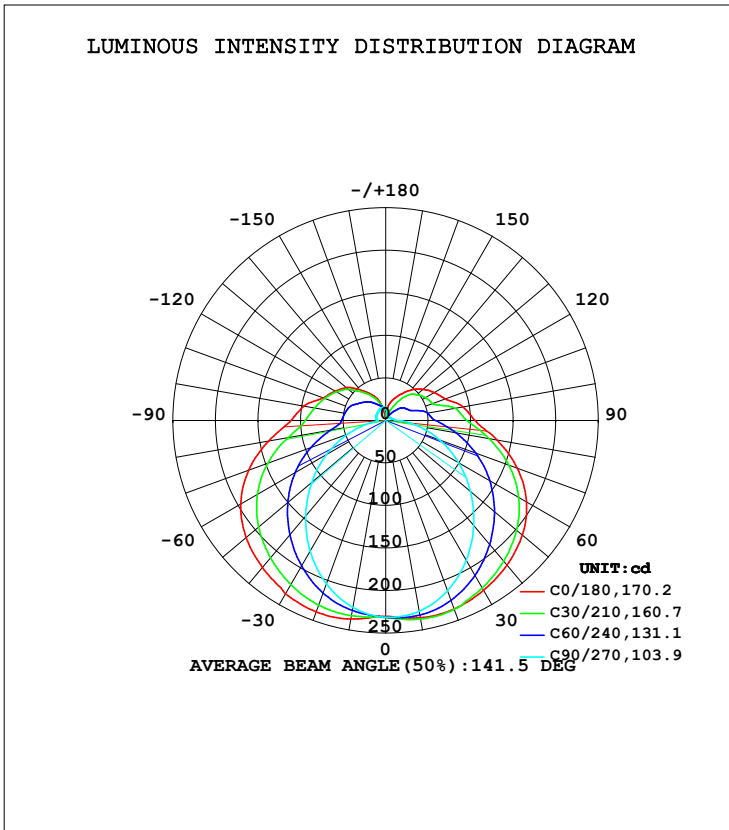


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.0970A P:11.30W PF:0.9730 Freq:60.00Hz Lamp Flux:1180.18x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.44 lm/W			
MODEL		I _{max} (cd)	239.5	S/MH (C0/180)	1.52
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.15
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1180.2	η UP, DN (C0-180)	9.9, 39.8
NOMINAL FLUX (lm)	1180.18	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	12.3, 38.1
LAMPS INSIDE	1	η up (%)	22.1	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	77.9	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-15

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	235.5	234.7	227.7	229.6	236.9	229.9	223.1	229.4	0- 10	22.06	22.06	1.87,1.87
20	235.8	230.7	212.9	223.0	239.4	223.3	204.2	221.3	10- 20	64.56	86.62	7.34,7.34
30	230.4	218.7	189.6	209.2	235.6	210.3	177.5	206.5	20- 30	100.5	187.1	15.9,15.9
40	221.9	203.0	161.0	190.3	225.5	193.0	146.5	187.6	30- 40	126.2	313.3	26.5,26.5
50	209.6	183.9	130.1	168.4	214.1	172.6	113.6	165.6	40- 50	140.4	453.7	38.4,38.4
60	191.2	160.9	98.78	143.8	196.8	148.6	80.34	140.2	50- 60	142.2	595.9	50.5,50.5
70	164.8	133.6	67.75	116.4	171.4	120.7	47.71	111.5	60- 70	131.2	727.1	61.6,61.6
80	132.9	103.6	38.44	87.37	139.7	91.08	19.47	82.76	70- 80	108.9	836.0	70.8,70.8
90	104.9	76.98	14.63	61.69	111.3	73.38	10.43	66.38	80- 90	82.88	918.9	77.9,77.9
100	92.44	66.70	9.417	52.30	97.58	67.05	11.81	60.58	90-100	67.96	986.9	83.6,83.6
110	74.51	46.45	6.997	36.06	78.00	61.06	12.60	55.23	100-110	56.02	1043	88.4,88.4
120	65.92	40.94	6.253	32.03	68.90	53.30	13.03	50.46	110-120	44.50	1087	92.1,92.1
130	57.10	35.03	5.425	28.10	60.29	45.29	13.41	44.57	120-130	35.68	1123	95.2,95.2
140	46.83	25.46	4.591	23.13	47.23	36.15	14.11	37.57	130-140	25.92	1149	97.4,97.4
150	35.66	13.48	4.247	19.00	36.21	27.97	15.09	30.22	140-150	16.56	1166	98.8,98.8
160	26.26	6.067	4.564	14.61	25.85	20.89	15.84	23.84	150-160	9.224	1175	99.5,99.5
170	15.94	6.337	9.636	12.45	7.431	15.59	15.99	18.65	160-170	4.263	1179	99.9,99.9
180	4.862	11.49	14.82	14.55	4.862	11.48	14.79	14.56	170-180	1.161	1180	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 382.49 lm

%lum = 32.4%
%lamp = 32.4%

Conical surface Flux(120deg): 595.88 lm

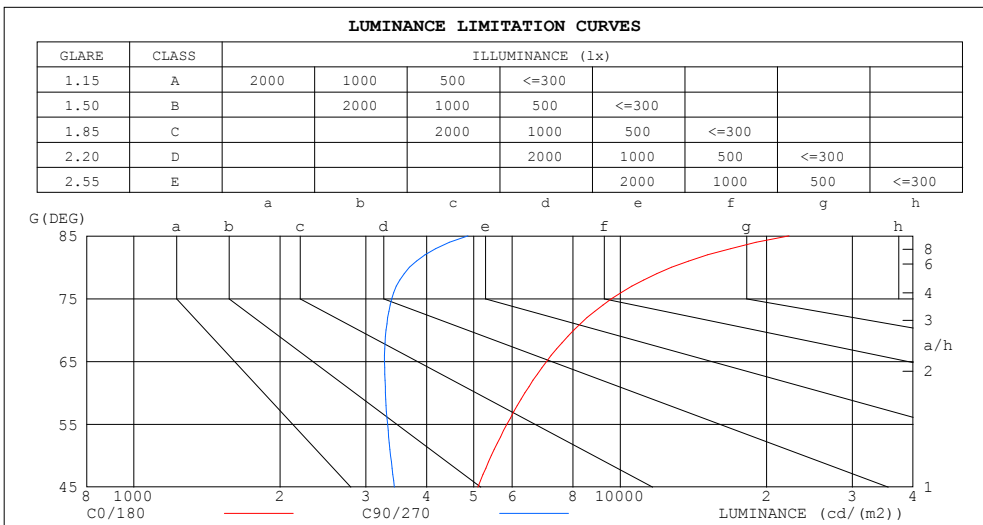
%lum = 50.5%
%lamp = 50.5%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-04-15

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:0.0970A P:11.30W PF:0.9730 Freq:60.00Hz Lamp Flux:1180.18x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 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	22237	4866
80	12754	3689
75	9606	3390
70	8032	3302
65	7058	3277
60	6373	3293
55	5852	3327
50	5434	3374
45	5097	3435

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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:0.0970A P:11.30W PF:0.9730 Freq:60.00Hz Lamp Flux:1180.18x1 lm														
NAME: LVS1S-14-12-95C-MVUD-NS 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	.380	.216	.069	.366	.209	.066	.340	.195	.062	.316	.182	.059	.294	.170	.055	
2.0	.330	.181	.056	.318	.175	.054	.294	.164	.051	.272	.153	.048	.252	.143	.045	
3.0	.294	.156	.047	.282	.151	.046	.261	.141	.043	.241	.132	.041	.223	.123	.038	
4.0	.265	.138	.040	.254	.133	.039	.235	.125	.037	.217	.116	.035	.200	.109	.033	
5.0	.241	.123	.036	.231	.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	.166	.088	.026	
7.0	.204	.101	.029	.196	.098	.028	.181	.091	.026	.167	.086	.025	.154	.080	.023	
8.0	.189	.092	.026	.182	.089	.025	.168	.084	.024	.155	.079	.023	.143	.073	.021	
9.0	.176	.085	.024	.169	.083	.023	.157	.077	.022	.145	.073	.021	.133	.068	.020	
10.0	.165	.079	.022	.159	.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	.359	.359	.359	.307	.307	.307	.210	.210	.210	.120	.120	.120	.038	.038	.038	
1.0	.355	.326	.299	.304	.279	.257	.208	.192	.178	.120	.111	.103	.038	.036	.033	
2.0	.349	.303	.265	.299	.261	.229	.205	.180	.160	.118	.105	.094	.038	.034	.030	
3.0	.341	.287	.243	.293	.247	.211	.201	.172	.148	.116	.100	.087	.037	.033	.029	
4.0	.334	.274	.229	.286	.237	.199	.197	.165	.140	.114	.097	.083	.037	.031	.027	
5.0	.326	.265	.219	.280	.229	.191	.193	.160	.135	.112	.094	.080	.036	.031	.026	
6.0	.319	.257	.212	.274	.222	.185	.189	.156	.131	.110	.092	.078	.035	.030	.026	
7.0	.312	.250	.207	.268	.217	.180	.185	.152	.128	.108	.090	.076	.035	.029	.025	
8.0	.305	.245	.203	.263	.212	.177	.182	.149	.126	.106	.088	.075	.034	.029	.025	
9.0	.299	.240	.200	.257	.208	.175	.178	.146	.124	.104	.086	.074	.034	.028	.024	
10.0	.293	.236	.198	.253	.205	.172	.175	.144	.123	.102	.085	.073	.033	.028	.024	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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:0.0970A P:11.30W PF:0.9730 Freq:60.00Hz Lamp Flux:1180.18x1 lm										
NAME: LVS1S-14-12-95C-MVUD-NS 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	17.8	19.1	18.4	19.7	20.3	15.4	16.7	15.9	17.3	17.9
3H	20.4	21.7	21.0	22.3	22.9	17.1	18.3	17.7	18.9	19.6
4H	21.8	23.0	22.5	23.6	24.3	17.9	19.0	18.5	19.6	20.3
6H	23.3	24.4	24.0	25.1	25.8	18.6	19.6	19.2	20.3	21.0
8H	24.2	25.2	24.8	25.9	26.6	18.9	19.9	19.5	20.6	21.3
12H	25.1	26.1	25.7	26.7	27.5	19.2	20.2	19.8	20.8	21.6
4H 2H	18.4	19.6	19.0	20.2	20.9	16.7	17.9	17.3	18.5	19.2
3H	21.3	22.3	21.9	22.9	23.7	18.7	19.7	19.3	20.3	21.1
4H	22.9	23.8	23.5	24.5	25.3	19.6	20.6	20.3	21.2	22.0
6H	24.6	25.4	25.3	26.1	26.9	20.5	21.4	21.2	22.1	22.9
8H	25.5	26.3	26.2	27.0	27.8	20.9	21.7	21.6	22.4	23.3
12H	26.6	27.3	27.3	28.0	28.8	21.3	22.0	22.0	22.7	23.6
8H 4H	23.2	24.0	23.9	24.7	25.6	20.7	21.5	21.4	22.2	23.0
6H	25.3	25.9	26.0	26.6	27.5	22.0	22.6	22.7	23.4	24.2
8H	26.4	27.0	27.2	27.7	28.6	22.6	23.2	23.3	23.9	24.8
12H	27.7	28.2	28.5	29.0	29.9	23.2	23.7	23.9	24.5	25.4
12H 4H	23.3	24.0	24.0	24.7	25.6	21.0	21.7	21.7	22.5	23.3
6H	25.4	26.0	26.1	26.7	27.6	22.5	23.1	23.2	23.8	24.7
8H	26.6	27.2	27.4	27.9	28.8	23.3	23.8	24.0	24.5	25.5
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, 1180 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:2024-04-15

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:0.0970A P:11.30W PF:0.9730 Freq:60.00Hz Lamp Flux:1180.18x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

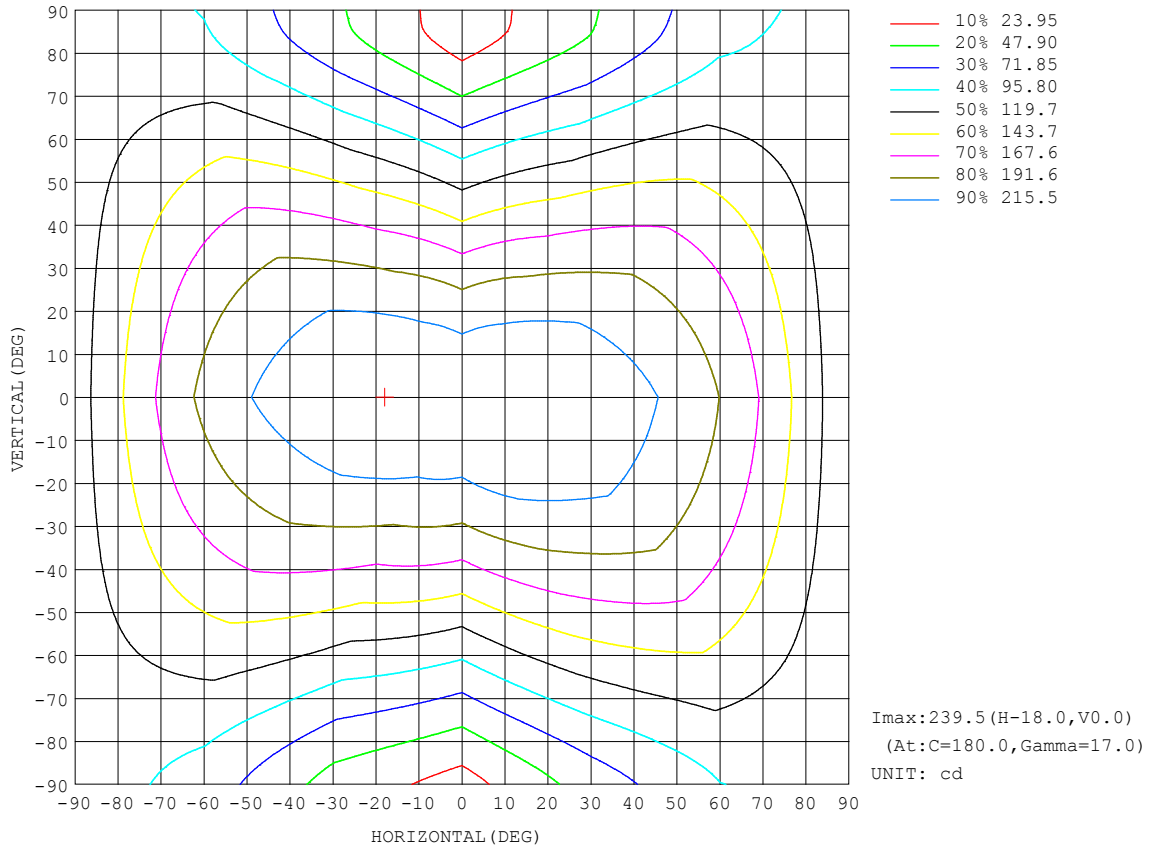
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	34	27	45	33	26	43	32	26	19
0.80	56	43	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	58	49	68	56	48	63	53	46	36
1.50	75	63	54	72	61	53	67	58	51	40
2.00	83	72	63	79	69	62	73	65	58	46
2.50	87	77	69	84	74	67	77	69	63	49
3.00	91	82	74	87	79	72	80	73	67	53
4.00	96	88	81	92	84	78	84	78	73	58
5.00	99	92	86	94	88	83	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:2024-04-15

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:0.0970A P:11.30W PF:0.9730 Freq:60.00Hz Lamp Flux:1180.18x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

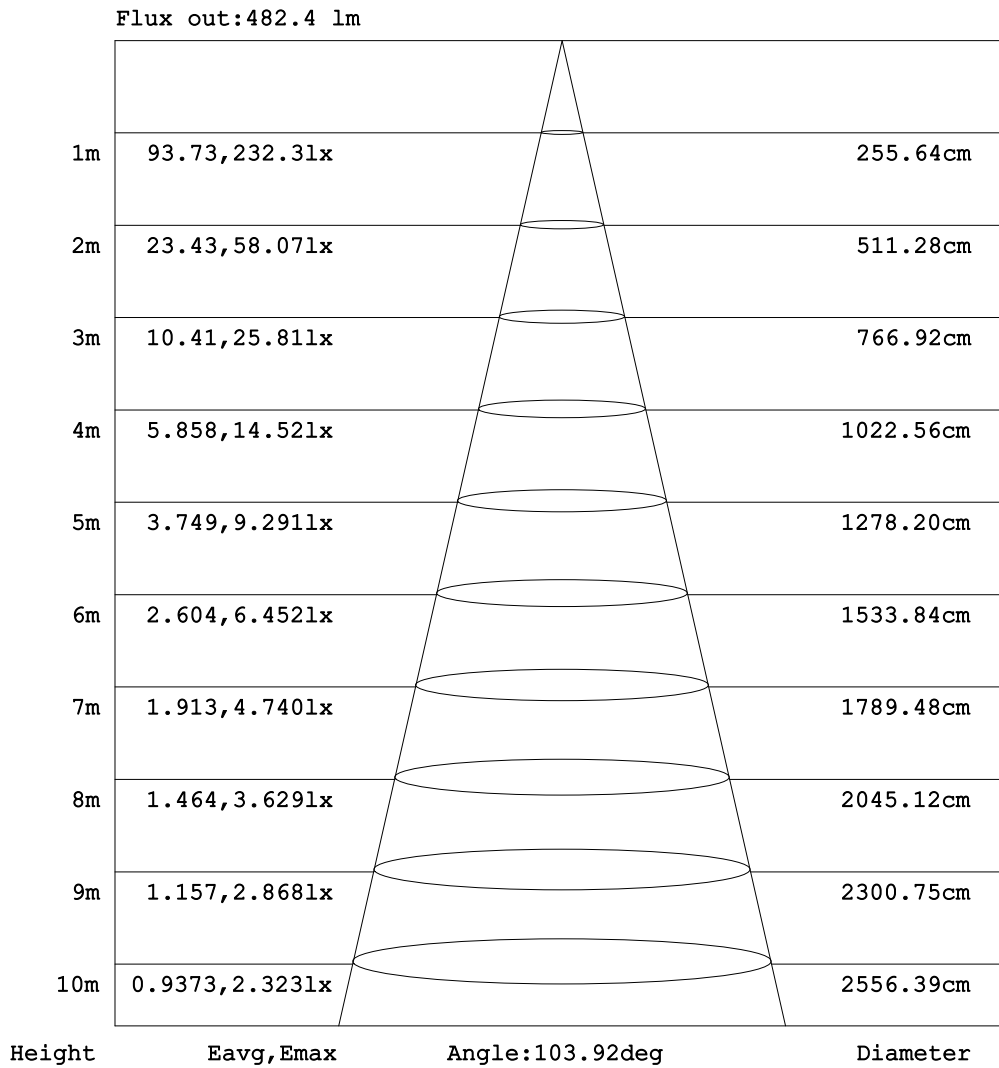


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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:0.0970A P:11.30W PF:0.9730 Freq:60.00Hz Lamp Flux:1180.18x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

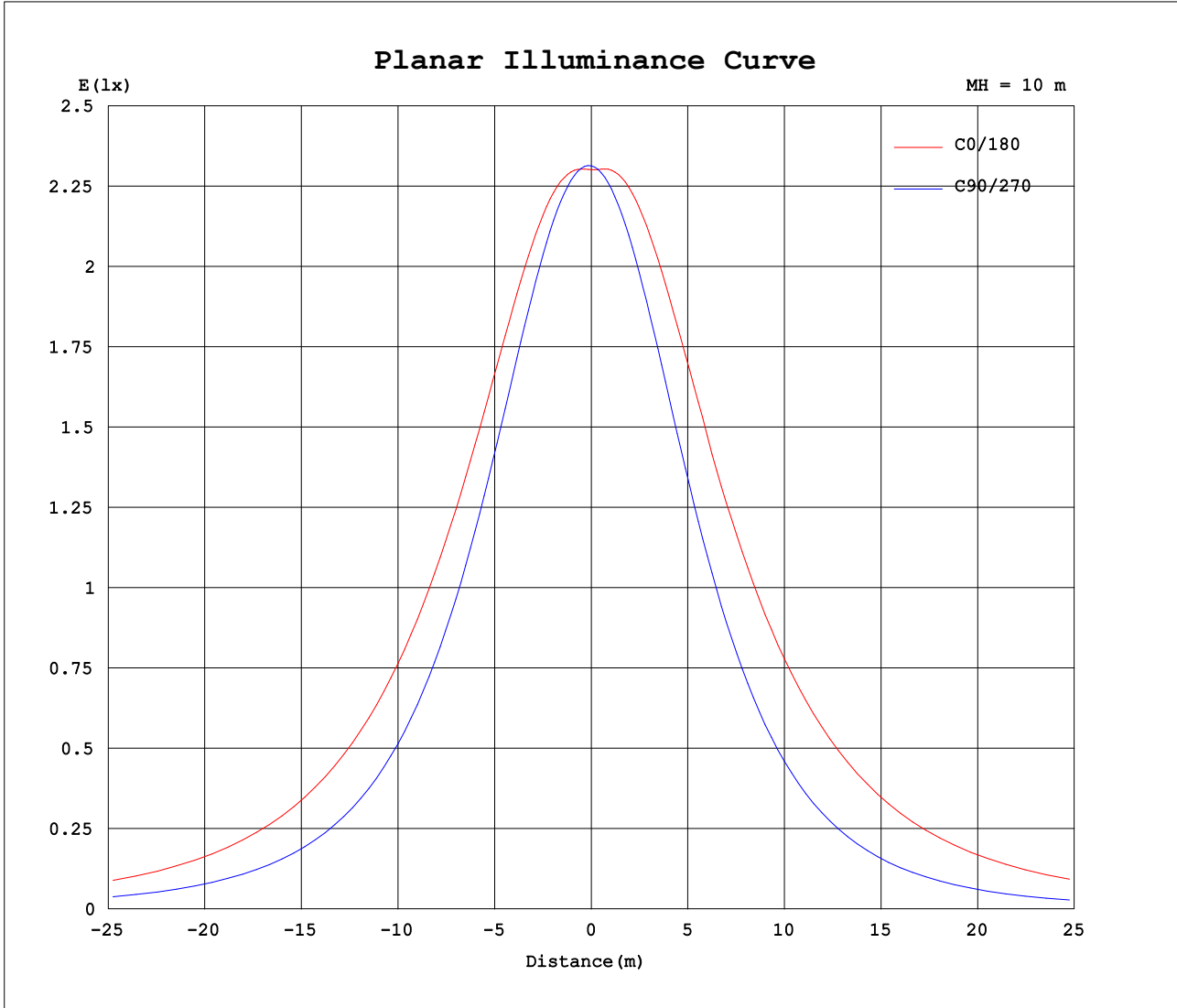


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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:2024-04-15

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:0.0970A P:11.30W PF:0.9730 Freq:60.00Hz Lamp Flux:1180.18x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 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	230	232	231	231	231	229	230	232	231	231	231	229							
5	233	235	233	231	230	230	233	232	229	229	230	231							
10	235	237	232	228	228	231	237	233	227	223	227	232							
15	237	238	230	222	224	231	239	233	222	215	222	231							
20	236	236	225	213	217	229	239	231	216	204	215	228							
25	234	232	218	202	209	225	238	228	207	192	206	223							
30	230	227	210	190	199	219	236	223	198	178	195	218							
35	226	222	201	176	187	213	230	217	187	162	184	211							
40	222	216	190	161	175	206	226	211	175	146	171	204							
45	216	209	179	146	162	197	220	203	163	130	158	196							
50	210	201	167	130	149	188	214	195	150	114	145	187							
55	201	191	154	115	135	178	206	185	137	97.0	131	176							
60	191	180	141	98.8	121	167	197	174	123	80.3	116	164							
65	179	168	127	83.1	106	154	185	162	109	63.8	101	151							
70	165	154	113	67.8	91.8	141	171	148	93.8	47.7	85.9	137							
75	149	139	98.3	52.7	77.2	126	156	132	79.3	32.6	71.3	122							
80	133	123	83.7	38.4	62.9	112	140	116	65.8	19.5	58.0	108							
85	116	108	70.0	25.4	49.6	97.2	124	103	55.3	11.0	47.9	94.4							
90	105	95.4	58.6	14.6	38.7	84.7	111	94.6	52.1	10.4	45.2	87.5							
95	98.4	89.0	53.4	10.6	33.9	78.4	104	89.6	50.5	11.1	44.0	82.9							
100	92.4	83.1	50.3	9.42	31.9	72.7	97.6	85.0	49.1	11.8	42.8	78.4							
105	83.6	68.5	44.0	8.08	28.0	57.1	87.6	80.7	47.5	12.2	41.6	74.0							
110	74.5	58.5	34.4	7.00	21.8	50.3	78.0	76.3	45.8	12.6	40.5	70.0							
115	70.2	56.5	29.9	6.56	18.4	48.8	73.3	72.0	43.0	12.8	39.5	66.3							
120	65.9	54.0	27.9	6.25	17.1	46.9	68.9	67.3	39.3	13.0	38.2	62.7							
125	61.7	51.2	26.0	5.99	16.4	44.4	64.5	62.6	36.3	13.2	36.3	59.1							
130	57.1	47.2	22.8	5.43	15.6	40.7	60.3	56.9	33.6	13.4	33.8	55.3							
135	52.3	43.9	17.7	4.94	14.8	36.1	54.1	50.0	31.0	13.7	31.2	51.0							
140	46.8	37.7	13.2	4.59	13.9	32.3	47.2	43.9	28.4	14.1	28.9	46.3							
145	41.1	30.2	8.80	4.30	13.1	28.9	41.3	38.8	25.6	14.6	26.7	41.2							
150	35.7	21.2	5.82	4.25	12.3	25.7	36.2	33.3	22.6	15.1	24.6	35.8							
155	30.7	14.0	4.72	4.35	11.5	22.2	31.2	28.4	20.4	15.5	22.8	30.9							
160	26.3	7.59	4.54	4.56	10.7	18.5	25.9	23.2	18.6	15.8	21.1	26.6							
165	22.0	4.94	4.81	6.82	10.3	15.9	18.2	18.6	17.2	16.0	19.4	22.9							
170	15.9	4.67	8.01	9.64	11.0	13.9	7.43	15.2	16.0	16.0	17.8	19.5							
175	6.18	4.78	11.3	12.6	12.7	13.0	4.94	12.2	14.8	15.7	16.3	16.4							
180	4.86	9.48	13.5	14.8	14.9	14.2	4.86	9.48	13.5	14.8	14.9	14.2							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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: