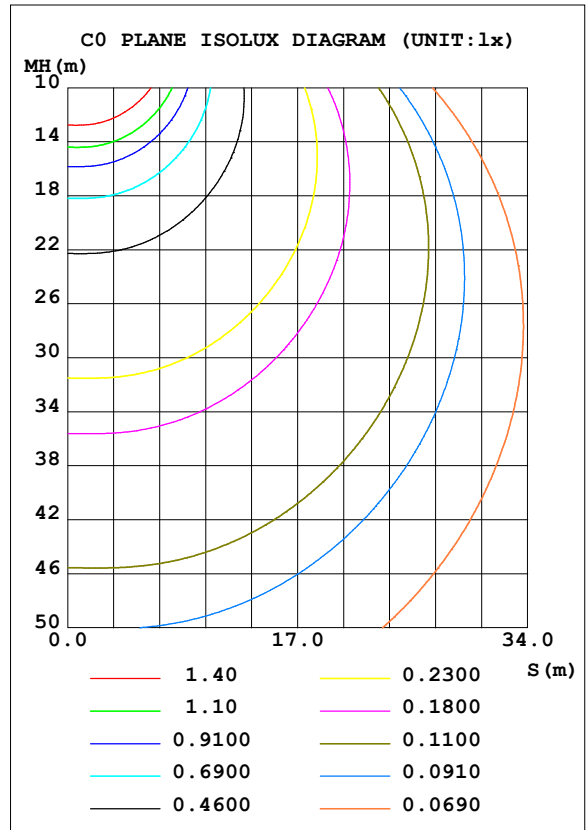
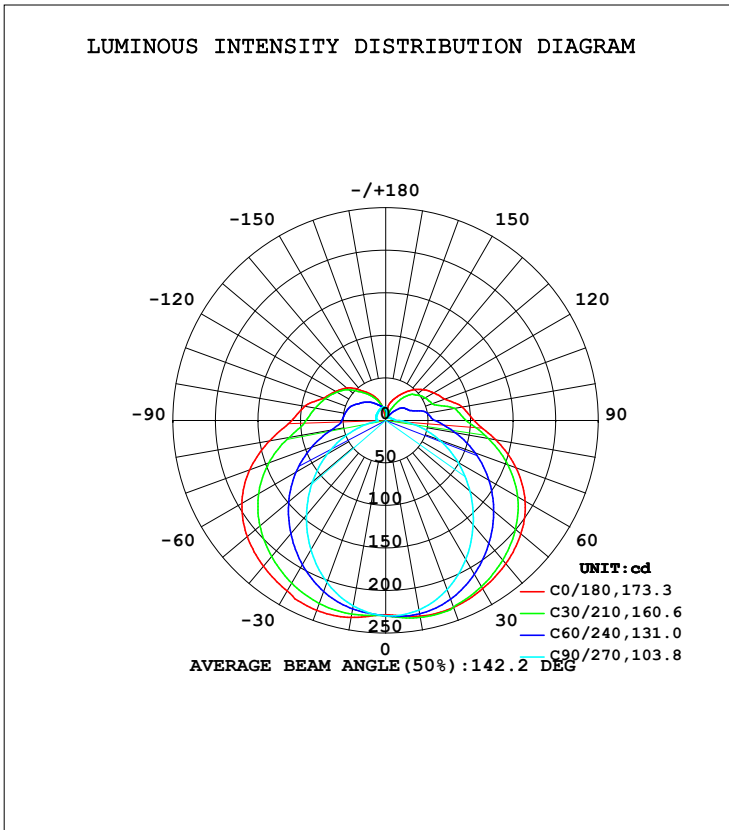


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.0960A P:11.20W PF:0.9730 Freq:60.00Hz Lamp Flux:1169.85x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.45 lm/W			
MODEL		I _{max} (cd)	237.6	S/MH (C0/180)	1.52
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.15
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1169.8	η UP, DN (C0-180)	9.9, 39.8
NOMINAL FLUX (lm)	1169.85	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	233.5	232.9	226.1	227.9	235.0	227.9	221.2	227.5	0- 10	21.89	21.89	1.87,1.87
20	233.7	228.5	211.5	221.4	237.4	221.3	202.3	219.3	10- 20	64.04	85.93	7.35,7.35
30	228.3	217.1	188.4	207.7	231.5	208.3	175.8	204.6	20- 30	99.64	185.6	15.9,15.9
40	219.7	201.5	160.0	189.1	223.6	191.1	145.0	185.8	30- 40	125.1	310.7	26.6,26.6
50	207.6	182.4	129.4	167.3	212.4	170.9	112.4	163.9	40- 50	139.2	449.9	38.5,38.5
60	189.3	159.7	98.14	142.9	195.2	147.2	79.45	138.7	50- 60	141.0	590.8	50.5,50.5
70	163.1	132.5	67.43	115.6	170.1	119.5	47.17	110.2	60- 70	130.0	720.8	61.6,61.6
80	131.5	102.8	38.29	86.73	138.5	90.16	19.24	81.76	70- 80	108.0	828.8	70.8,70.8
90	103.8	76.32	14.69	61.26	110.4	72.69	10.33	65.57	80- 90	82.11	910.9	77.9,77.9
100	91.42	66.07	9.374	51.99	96.76	66.41	11.70	59.79	90-100	67.32	978.2	83.6,83.6
110	73.76	46.03	6.949	35.77	77.31	60.45	12.49	54.56	100-110	55.48	1034	88.4,88.4
120	65.28	40.60	6.198	31.77	68.28	52.81	12.93	49.93	110-120	44.08	1078	92.1,92.1
130	56.59	34.69	5.382	27.89	59.76	44.92	13.32	44.13	120-130	35.37	1113	95.2,95.2
140	46.45	25.31	4.556	22.98	46.81	35.85	14.01	37.23	130-140	25.71	1139	97.4,97.4
150	35.19	13.41	4.216	18.89	35.92	27.73	14.98	30.00	140-150	16.43	1155	98.8,98.8
160	26.02	6.032	4.528	14.52	25.66	20.73	15.72	23.66	150-160	9.151	1164	99.5,99.5
170	15.91	6.294	9.581	12.37	7.306	15.48	15.86	18.50	160-170	4.231	1169	99.9,99.9
180	4.823	11.36	14.72	14.43	4.827	11.37	14.69	14.43	170-180	1.152	1170	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 379.28 lm

%lum = 32.4%

%lamp = 32.4%

Conical surface Flux(120deg): 590.82 lm

%lum = 50.5%

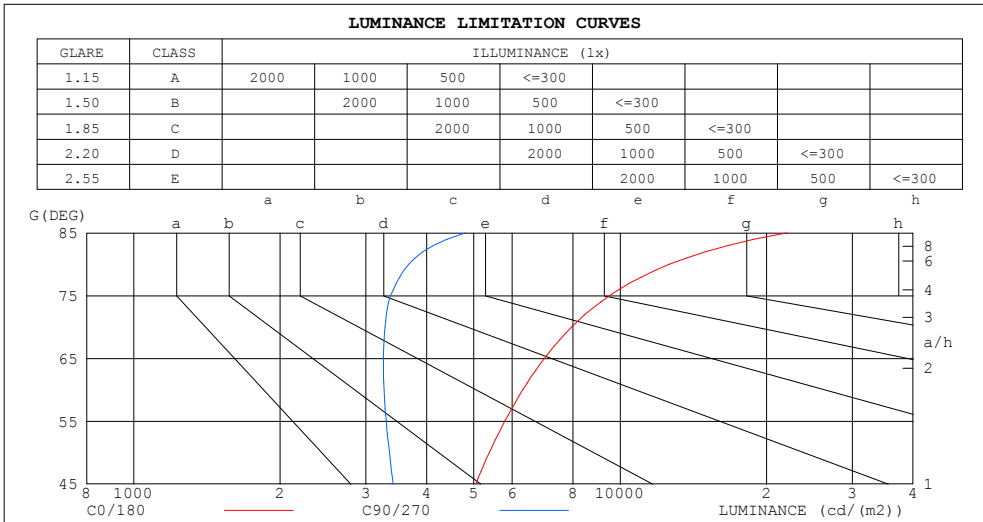
%lamp = 50.5%

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:0.0960A P:11.20W PF:0.9730 Freq:60.00Hz Lamp Flux:1169.85x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 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	21995	4807
80	12622	3675
75	9504	3374
70	7946	3286
65	6984	3259
60	6309	3271
55	5793	3305
50	5382	3355
45	5050	3415

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:0.0960A P:11.20W PF:0.9730 Freq:60.00Hz Lamp Flux:1169.85x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 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	.380	.216	.069	.366	.209	.066	.340	.195	.062	.316	.182	.059	.294	.170	.055	
2.0	.330	.181	.056	.318	.175	.054	.294	.163	.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	.209	.209	.209	.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	.159	.118	.105	.093	.038	.034	.030	
3.0	.341	.287	.243	.292	.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	.264	.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	.174	.178	.146	.124	.104	.086	.074	.034	.028	.024	
10.0	.293	.236	.198	.253	.205	.172	.175	.144	.122	.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:0.0960A P:11.20W PF:0.9730 Freq:60.00Hz Lamp Flux:1169.85x1 lm										
NAME: LVS1S-14-12-95C-MVUD-NS 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	17.8	19.1	18.4	19.7	20.3	15.4	16.7	16.0	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	22.4	23.6	24.3	17.9	19.0	18.5	19.7	20.4
6H	23.3	24.4	24.0	25.1	25.8	18.6	19.7	19.2	20.3	21.0
8H	24.1	25.2	24.8	25.8	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	20.4	21.1
4H	22.9	23.8	23.5	24.5	25.3	19.7	20.6	20.3	21.3	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	21.7	22.4	23.3
12H	26.5	27.3	27.3	28.0	28.8	21.3	22.0	22.0	22.8	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	27.1	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	21.8	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	24.6	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, 1170 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:2024-04-15

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:0.0960A P:11.20W PF:0.9730 Freq:60.00Hz Lamp Flux:1169.85x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

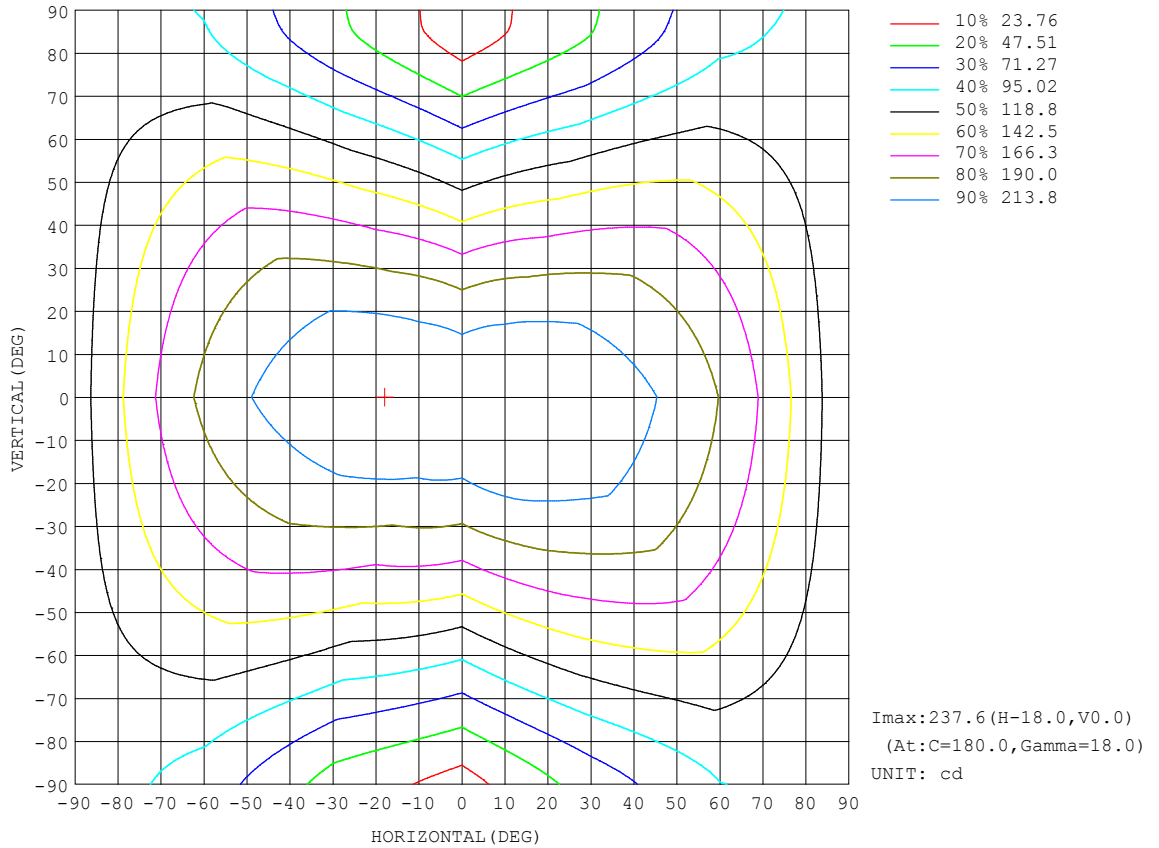
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	34	27	45	33	27	43	32	26	19
0.80	56	43	35	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	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	61
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:0.0960A P:11.20W PF:0.9730 Freq:60.00Hz Lamp Flux:1169.85x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

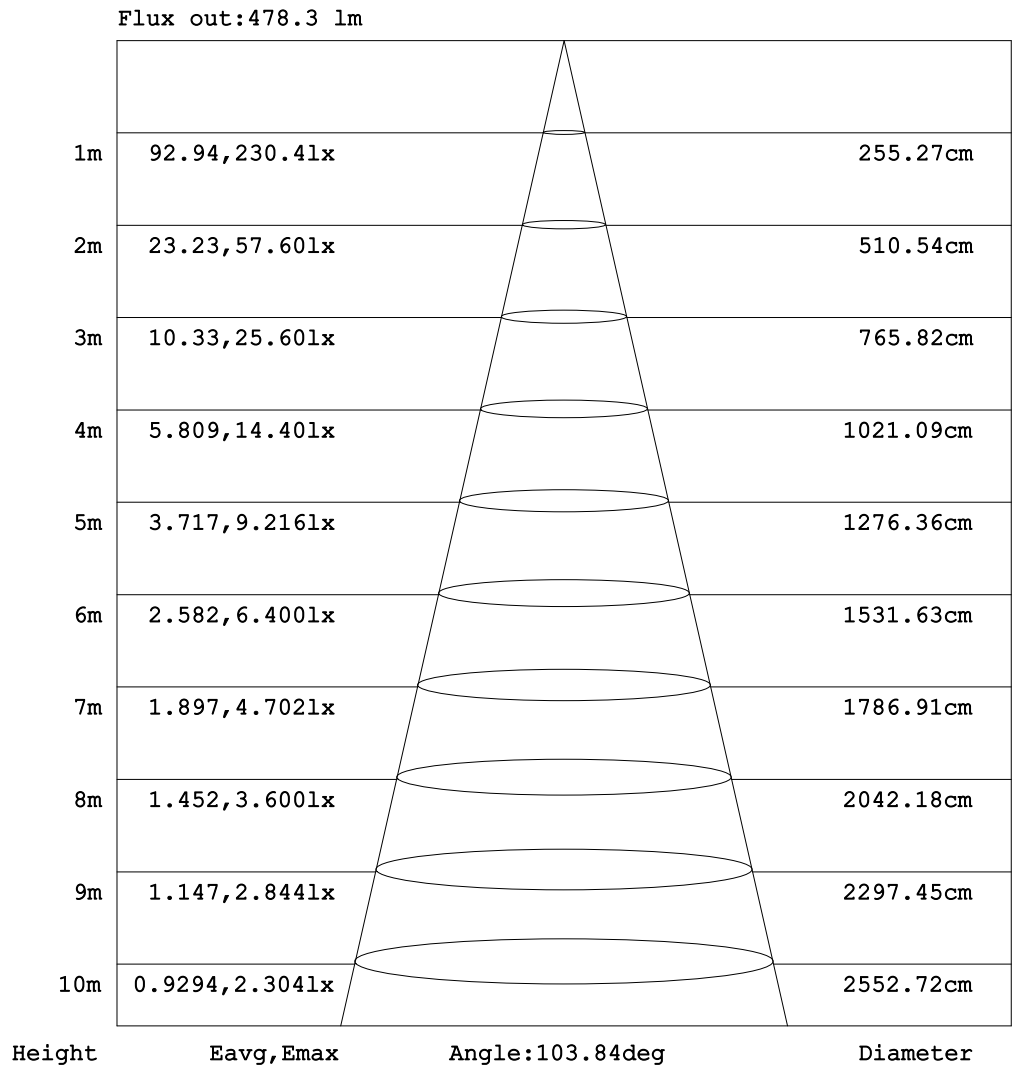


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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:0.0960A P:11.20W PF:0.9730 Freq:60.00Hz Lamp Flux:1169.85x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

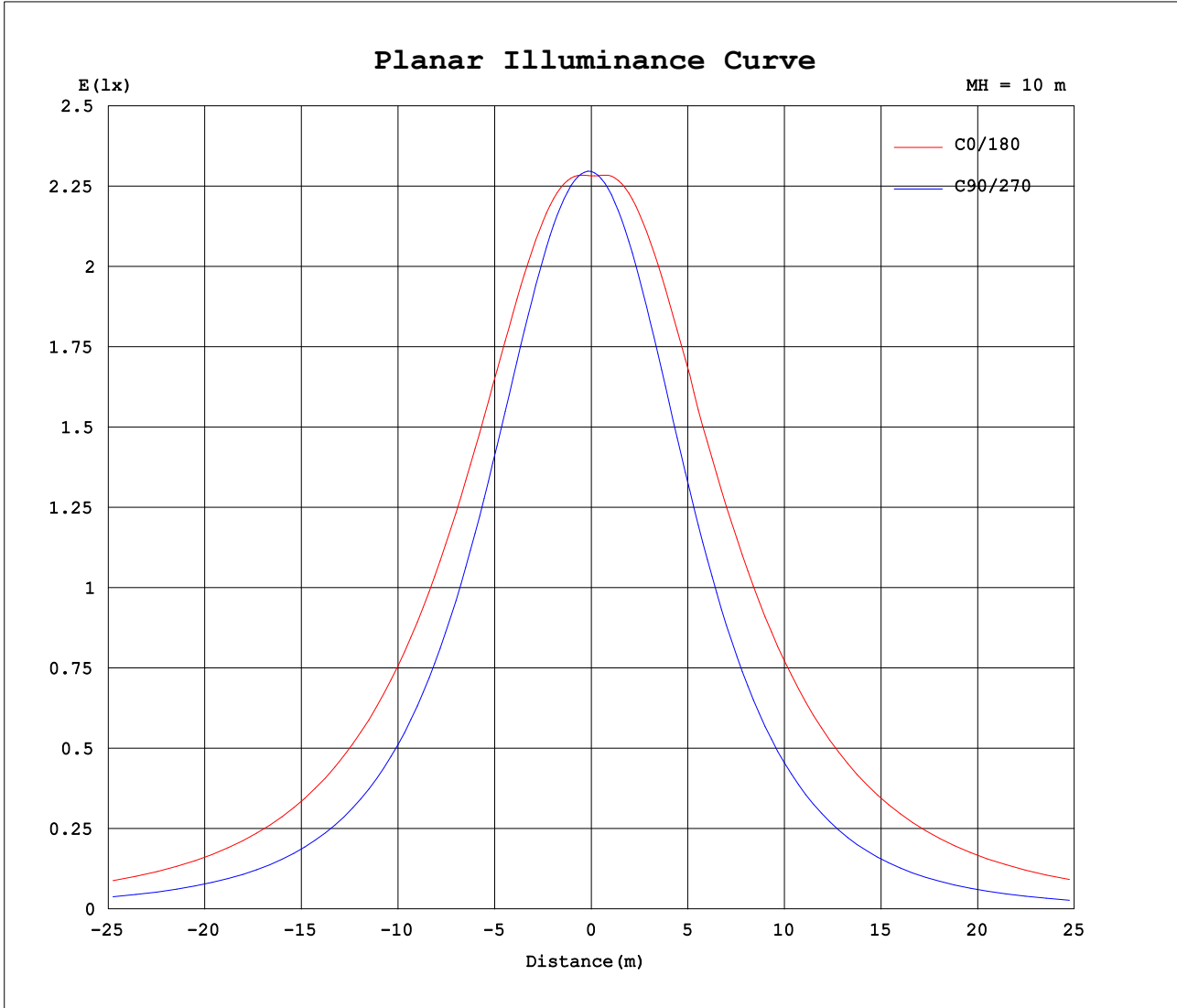


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.0960A P:11.20W PF:0.9730 Freq:60.00Hz Lamp Flux:1169.85x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 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	228	230	230	230	229	228	228	230	230	230	229	228							
5	231	233	231	229	228	228	231	230	228	227	228	229							
10	233	235	231	226	226	230	235	231	225	221	225	230							
15	234	236	228	220	222	229	237	231	220	213	220	229							
20	234	234	223	212	216	227	237	229	214	202	213	226							
25	232	230	217	201	208	223	236	226	205	190	204	221							
30	228	225	209	188	198	218	232	221	196	176	193	216							
35	224	220	199	175	186	212	228	215	185	161	182	209							
40	220	214	189	160	174	204	224	209	174	145	169	202							
45	214	207	178	145	161	196	219	201	161	129	157	194							
50	208	199	166	129	148	187	212	193	149	112	143	185							
55	199	190	153	114	134	177	205	183	136	95.9	129	174							
60	189	179	140	98.1	120	166	195	173	122	79.5	115	163							
65	177	167	126	82.6	106	153	184	160	107	63.1	99.9	150							
70	163	153	112	67.4	91.3	140	170	146	92.9	47.2	84.9	136							
75	148	138	97.5	52.4	76.7	126	155	131	78.5	32.2	70.4	121							
80	132	122	83.0	38.3	62.5	111	139	115	65.1	19.2	57.3	106							
85	115	107	69.5	25.1	49.3	96.7	123	102	54.8	10.9	47.4	93.2							
90	104	94.5	58.1	14.7	38.4	84.1	110	93.7	51.7	10.3	44.7	86.5							
95	97.3	88.2	52.9	10.5	33.7	77.9	103	88.7	50.1	11.0	43.4	81.8							
100	91.4	82.3	49.8	9.37	31.7	72.3	96.8	84.2	48.6	11.7	42.2	77.4							
105	82.7	67.9	43.6	8.00	27.8	56.6	86.9	79.9	47.1	12.1	41.1	73.1							
110	73.8	58.0	34.0	6.95	21.6	49.9	77.3	75.6	45.3	12.5	40.0	69.2							
115	69.5	55.9	29.7	6.50	18.3	48.4	72.7	71.3	42.7	12.7	39.1	65.5							
120	65.3	53.5	27.7	6.20	17.0	46.5	68.3	66.6	39.0	12.9	37.8	62.1							
125	61.1	50.7	25.9	5.94	16.2	44.0	64.0	62.1	36.1	13.1	35.9	58.5							
130	56.6	46.8	22.6	5.38	15.5	40.3	59.8	56.5	33.4	13.3	33.5	54.8							
135	51.9	43.6	17.5	4.90	14.7	35.8	53.7	49.5	30.8	13.5	30.9	50.5							
140	46.4	37.5	13.1	4.56	13.9	32.1	46.8	43.6	28.1	14.0	28.6	45.8							
145	40.8	30.1	8.78	4.26	13.1	28.7	41.0	38.3	25.4	14.5	26.5	40.8							
150	35.2	21.0	5.77	4.22	12.3	25.5	35.9	33.0	22.4	15.0	24.5	35.5							
155	30.4	13.9	4.69	4.32	11.5	22.0	31.0	28.2	20.2	15.4	22.6	30.6							
160	26.0	7.56	4.51	4.53	10.6	18.4	25.7	23.0	18.4	15.7	21.0	26.4							
165	21.9	4.90	4.77	6.77	10.2	15.8	18.1	18.5	17.0	15.9	19.3	22.7							
170	15.9	4.63	7.96	9.58	10.9	13.8	7.31	15.1	15.9	15.9	17.6	19.4							
175	6.16	4.74	11.2	12.5	12.6	12.9	4.90	12.1	14.7	15.6	16.2	16.3							
180	4.82	9.34	13.4	14.7	14.8	14.1	4.83	9.39	13.4	14.7	14.8	14.1							

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: