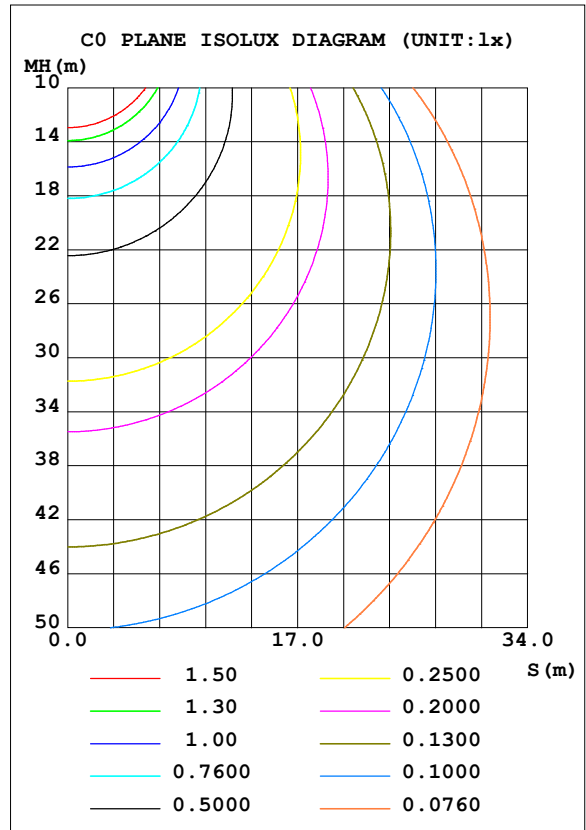
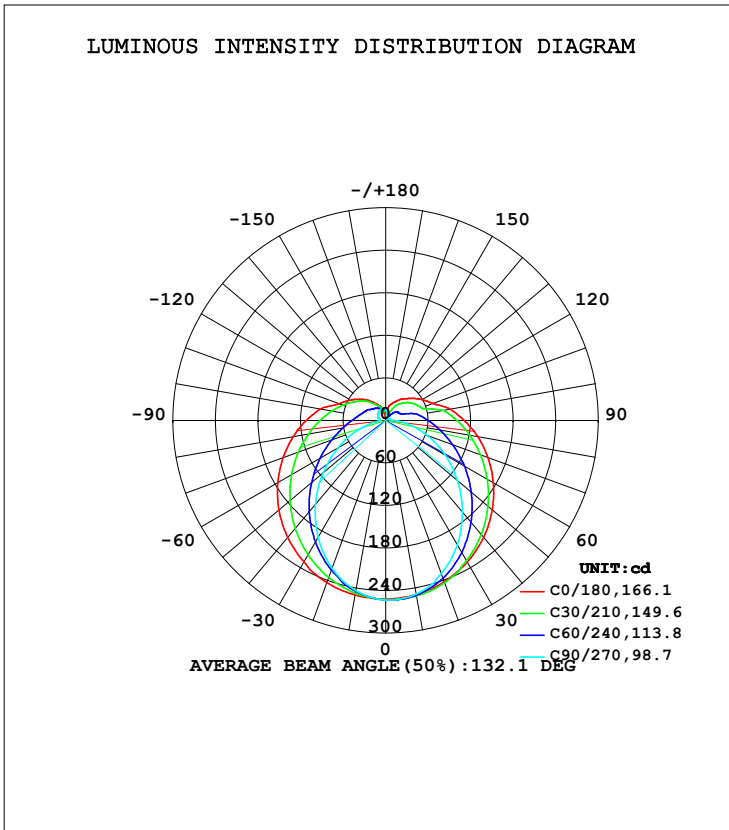


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.0980A P:11.50W PF:0.9750 Freq:60.00Hz Lamp Flux:1125.58x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.88 lm/W			
MODEL		I _{max} (cd)	253.4	S/MH (C0/180)	1.37
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.14
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1125.6	η UP, DN (C0-180)	9.5, 40.7
NOMINAL FLUX (lm)	1125.58	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.3, 38.6
LAMPS INSIDE	1	η up (%)	20.8	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	79.2	CIBSE SHR MAX	1.50



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	249.3	250.7	248.7	247.9	249.9	246.0	243.7	246.4	0- 10	23.88	23.88	2.12,2.12
20	242.1	240.2	229.6	234.8	243.4	230.0	221.8	230.9	10- 20	68.29	92.17	8.19,8.19
30	230.4	221.5	202.2	213.2	230.5	208.6	190.5	209.4	20- 30	103.5	195.6	17.4,17.4
40	215.1	198.6	168.5	187.8	215.2	183.3	154.1	183.6	30- 40	126.0	321.6	28.6,28.6
50	196.3	173.0	132.4	159.9	196.6	156.4	115.0	156.3	40- 50	135.0	456.6	40.6,40.6
60	175.4	146.8	96.50	131.7	175.8	130.2	77.93	129.5	50- 60	131.8	588.4	52.3,52.3
70	153.6	121.5	62.71	105.9	154.1	106.4	43.71	105.3	60- 70	119.3	707.7	62.9,62.9
80	132.0	99.09	32.97	83.32	132.7	85.86	16.48	84.96	70- 80	101.5	809.2	71.9,71.9
90	110.9	80.31	11.51	65.10	112.2	70.23	7.977	69.55	80- 90	82.74	891.9	79.2,79.2
100	92.60	64.94	7.161	51.20	93.53	58.33	9.824	58.08	90-100	67.10	959.0	85.2,85.2
110	70.88	40.45	5.515	30.86	69.76	48.80	11.66	49.30	100-110	50.82	1010	89.7,89.7
120	59.17	34.21	4.929	25.36	57.67	41.21	13.19	42.69	110-120	37.79	1048	93.1,93.1
130	48.68	29.36	4.603	21.91	46.87	34.16	14.52	36.84	120-130	29.27	1077	95.7,95.7
140	40.05	21.02	4.141	18.78	36.80	27.81	15.67	31.60	130-140	21.14	1098	97.6,97.6
150	32.20	12.38	3.946	16.37	27.12	22.48	16.78	27.00	140-150	13.98	1112	98.8,98.8
160	25.34	5.510	4.277	13.59	20.83	18.02	17.56	23.25	150-160	8.188	1120	99.5,99.5
170	15.76	6.268	9.798	12.64	6.417	15.27	17.69	19.52	160-170	4.140	1124	99.9,99.9
180	4.604	13.24	16.26	15.99	4.608	13.20	16.22	16.02	170-180	1.218	1126	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 388.81 lm

%lum = 34.5%
%lamp = 34.5%

Conical surface Flux(120deg): 588.42 lm

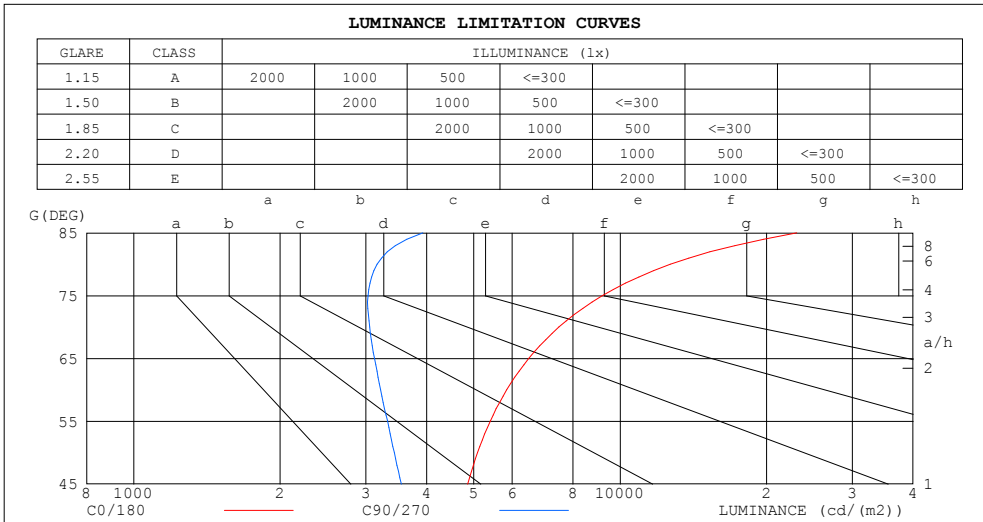
%lum = 52.3%
%lamp = 52.3%

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:0.0980A P:11.50W PF:0.9750 Freq:60.00Hz Lamp Flux:1125.58x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 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	23055	3931
80	12670	3164
75	9189	3032
70	7486	3056
65	6490	3124
60	5847	3217
55	5406	3324
50	5091	3433
45	4856	3549

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:0.0980A P:11.50W PF:0.9750 Freq:60.00Hz Lamp Flux:1125.58x1 lm															
NAME: LVS1R-14-12-95C-MVUD-BL 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	.068	.366	.209	.066	.341	.195	.062	.317	.183	.059	.296	.172	.055	
2.0	.328	.180	.055	.316	.174	.054	.293	.163	.051	.272	.153	.048	.252	.143	.045	
3.0	.292	.155	.046	.281	.150	.045	.260	.141	.043	.241	.132	.040	.223	.123	.038	
4.0	.263	.137	.040	.253	.132	.039	.234	.124	.037	.216	.116	.035	.200	.109	.033	
5.0	.239	.122	.035	.230	.118	.034	.213	.111	.033	.197	.104	.031	.182	.097	.029	
6.0	.219	.110	.031	.211	.107	.031	.195	.100	.029	.181	.094	.028	.167	.088	.026	
7.0	.202	.100	.028	.195	.097	.028	.180	.091	.026	.167	.086	.025	.154	.080	.024	
8.0	.188	.092	.026	.181	.089	.025	.168	.084	.024	.155	.079	.023	.143	.074	.021	
9.0	.175	.085	.024	.169	.082	.023	.156	.077	.022	.145	.073	.021	.134	.068	.020	
10.0	.164	.079	.022	.158	.076	.021	.147	.072	.020	.136	.068	.019	.126	.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	.349	.349	.349	.298	.298	.298	.203	.203	.203	.117	.117	.117	.037	.037	.037	
1.0	.345	.315	.288	.295	.270	.248	.202	.186	.172	.116	.108	.100	.037	.035	.032	
2.0	.338	.292	.254	.289	.252	.220	.198	.174	.153	.114	.101	.090	.037	.033	.029	
3.0	.330	.276	.233	.283	.238	.202	.194	.165	.141	.112	.097	.083	.036	.031	.027	
4.0	.322	.263	.218	.277	.228	.190	.190	.159	.134	.110	.093	.079	.035	.030	.026	
5.0	.315	.254	.209	.270	.219	.181	.186	.153	.128	.108	.090	.076	.035	.029	.025	
6.0	.307	.246	.202	.264	.213	.175	.182	.149	.124	.106	.088	.074	.034	.029	.024	
7.0	.300	.239	.196	.258	.207	.171	.178	.145	.121	.104	.086	.072	.033	.028	.024	
8.0	.294	.234	.192	.253	.203	.168	.175	.142	.119	.102	.084	.071	.033	.028	.023	
9.0	.287	.229	.189	.248	.199	.165	.172	.140	.117	.100	.082	.070	.032	.027	.023	
10.0	.282	.225	.187	.243	.195	.163	.168	.137	.116	.098	.081	.069	.032	.027	.023	

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:0.0980A P:11.50W PF:0.9750 Freq:60.00Hz Lamp Flux:1125.58x1 lm										
NAME: LVS1R-14-12-95C-MVUD-BL 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	17.6	19.0	18.2	19.5	20.1	15.4	16.7	15.9	17.2	17.8
3H	20.3	21.5	20.8	22.1	22.7	17.0	18.2	17.5	18.7	19.4
4H	21.7	22.9	22.3	23.5	24.2	17.7	18.8	18.3	19.4	20.1
6H	23.4	24.5	24.0	25.1	25.8	18.3	19.4	18.9	20.0	20.7
8H	24.3	25.3	24.9	25.9	26.7	18.6	19.6	19.2	20.3	21.0
12H	25.3	26.3	25.9	27.0	27.7	18.8	19.9	19.5	20.5	21.2
4H 2H	18.2	19.4	18.8	19.9	20.6	16.6	17.7	17.2	18.3	19.0
3H	21.1	22.1	21.7	22.7	23.5	18.5	19.5	19.1	20.1	20.8
4H	22.8	23.7	23.4	24.4	25.1	19.4	20.3	20.0	21.0	21.7
6H	24.6	25.4	25.3	26.1	26.9	20.2	21.1	20.9	21.8	22.5
8H	25.6	26.4	26.3	27.1	27.9	20.6	21.4	21.3	22.1	22.9
12H	26.8	27.5	27.5	28.2	29.1	21.0	21.7	21.7	22.4	23.2
8H 4H	23.1	23.9	23.8	24.6	25.4	20.5	21.3	21.2	22.0	22.8
6H	25.3	26.0	26.0	26.7	27.5	21.7	22.4	22.5	23.1	24.0
8H	26.6	27.1	27.3	27.9	28.8	22.4	23.0	23.1	23.7	24.6
12H	28.0	28.5	28.7	29.3	30.1	22.9	23.5	23.7	24.2	25.1
12H 4H	23.2	23.9	23.9	24.6	25.4	20.8	21.6	21.6	22.3	23.1
6H	25.4	26.0	26.2	26.8	27.6	22.3	22.9	23.1	23.7	24.5
8H	26.8	27.3	27.6	28.1	29.0	23.1	23.6	23.9	24.4	25.3
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 / - 0.4				

CIE Pub.117, 1126 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.4)

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:0.0980A P:11.50W PF:0.9750 Freq:60.00Hz Lamp Flux:1125.58x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

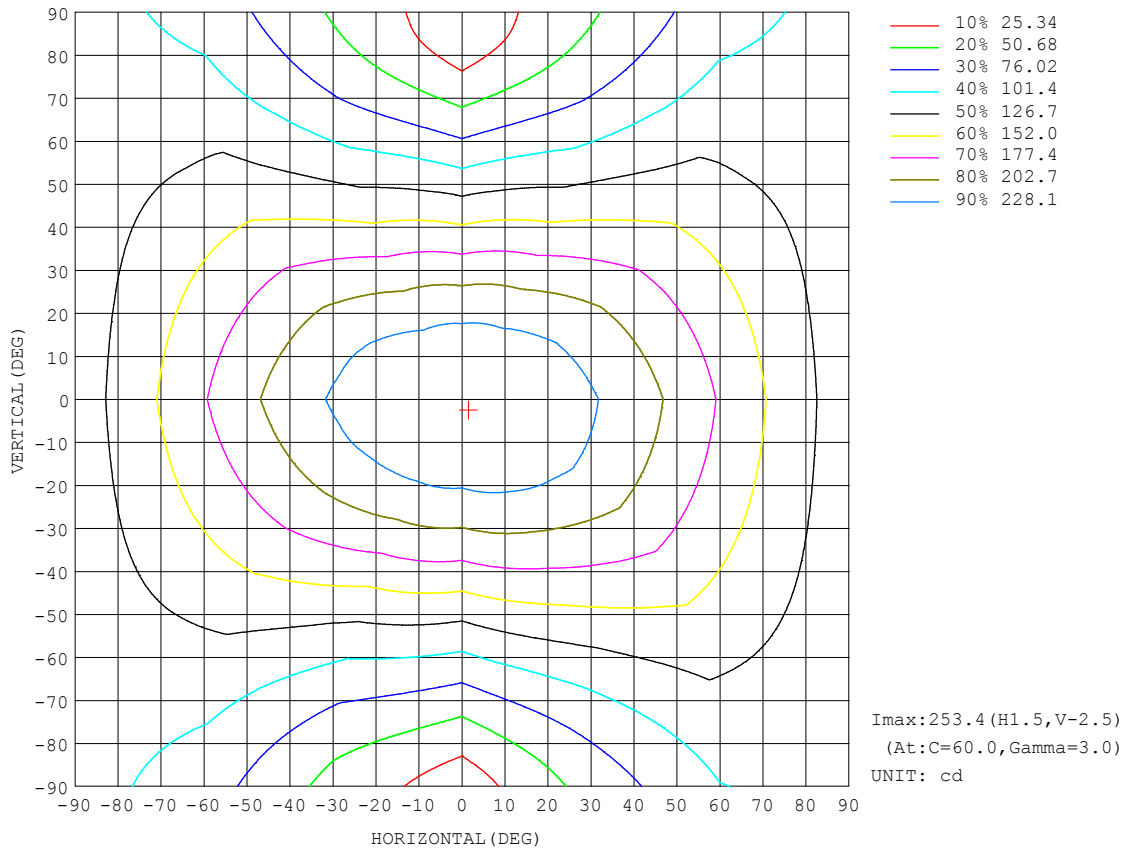
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	35	28	46	35	28	44	34	27	21
0.80	57	44	36	55	43	35	52	41	35	27
1.00	64	52	43	62	50	43	59	51	41	32
1.25	71	59	50	69	57	49	64	54	47	38
1.50	76	64	56	73	62	54	68	59	52	41
2.00	83	72	64	80	70	63	74	66	60	47
2.50	88	78	70	84	75	68	78	70	64	51
3.00	92	82	75	88	79	73	81	74	68	54
4.00	96	88	82	92	85	79	85	79	74	59
5.00	99	92	86	95	89	83	87	82	78	62
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:0.0980A P:11.50W PF:0.9750 Freq:60.00Hz Lamp Flux:1125.58x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

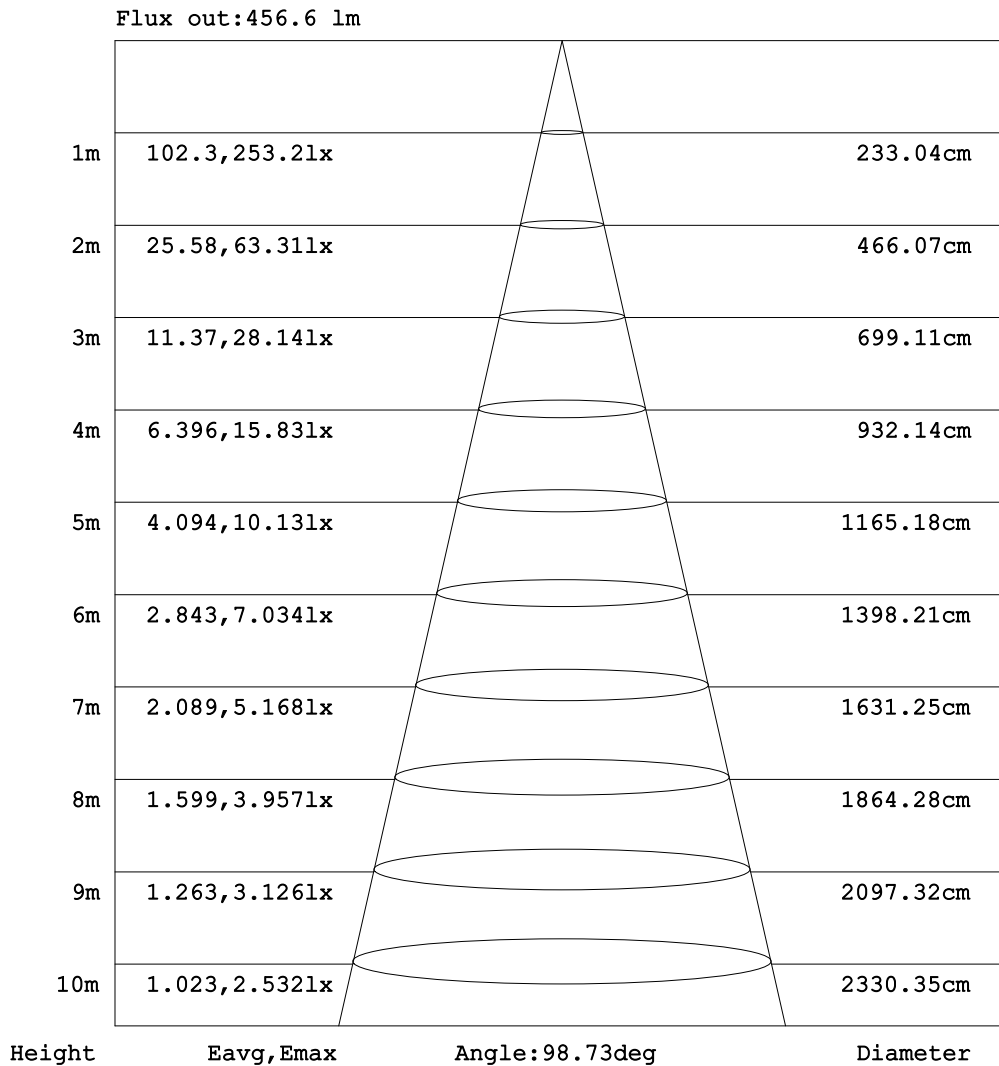


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-04-15

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:0.0980A P:11.50W PF:0.9750 Freq:60.00Hz Lamp Flux:1125.58x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

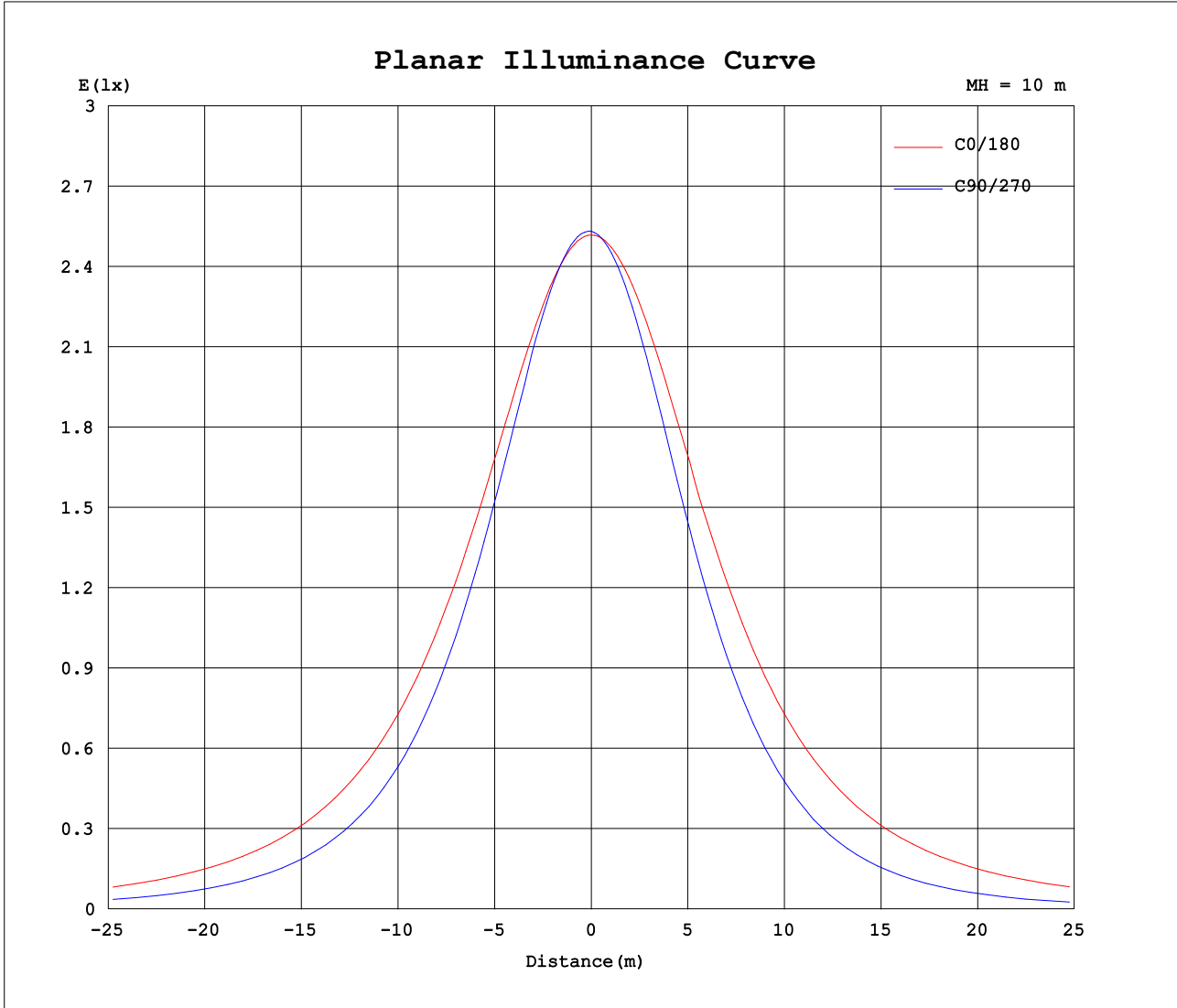


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0980A P:11.50W PF:0.9750 Freq:60.00Hz Lamp Flux:1125.58x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 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	252	253	253	253	252	252	252	253	253	253	252	252							
5	251	253	253	253	252	251	251	251	250	250	250	250							
10	249	251	250	249	248	248	250	247	245	244	245	247							
15	246	248	245	241	241	244	247	242	237	234	238	243							
20	242	244	237	230	232	238	243	236	224	222	226	236							
25	237	238	227	217	220	229	238	228	212	207	213	228							
30	230	228	215	202	207	220	230	219	198	191	199	219							
35	223	220	202	186	192	210	223	209	183	173	184	209							
40	215	210	187	169	177	199	215	199	168	154	169	199							
45	206	200	173	151	161	187	206	188	152	135	153	187							
50	196	188	158	132	145	175	197	176	137	115	137	176							
55	186	177	143	114	129	163	186	165	121	96.3	121	164							
60	175	165	128	96.5	112	151	176	153	107	77.9	107	152							
65	165	154	114	79.2	97.7	139	165	142	93.6	60.3	93.1	141							
70	154	142	101	62.7	84.0	128	154	131	81.3	43.7	80.7	130							
75	143	131	88.6	47.1	71.3	117	143	120	70.5	28.8	70.0	119							
80	132	120	77.7	33.0	59.9	107	133	110	61.3	16.5	60.9	109							
85	121	110	68.3	20.6	50.3	96.8	122	101	53.8	8.94	53.4	99.9							
90	111	101	60.0	11.5	42.4	87.8	112	92.6	47.8	7.98	47.5	91.6							
95	102	91.7	53.1	8.03	36.3	79.4	103	84.7	43.1	8.70	42.9	83.9							
100	92.6	82.8	47.1	7.16	31.6	70.8	93.5	77.3	39.4	9.82	39.4	76.8							
105	81.1	63.5	38.5	6.35	25.9	51.6	80.5	70.4	36.2	10.7	36.7	70.2							
110	70.9	53.4	27.5	5.52	17.9	43.8	69.8	64.0	33.6	11.7	34.6	64.0							
115	64.7	50.2	23.1	5.18	14.5	40.2	63.6	58.0	31.6	12.4	33.0	58.4							
120	59.2	47.0	21.5	4.93	13.6	37.1	57.7	52.5	29.9	13.2	31.9	53.5							
125	53.9	43.4	20.8	4.88	13.1	34.0	52.2	47.6	27.3	13.9	30.8	48.9							
130	48.7	39.4	19.3	4.60	12.8	31.0	46.9	42.8	25.5	14.5	29.0	44.7							
135	43.9	35.1	15.0	4.34	12.8	28.2	41.5	38.5	24.0	15.1	27.1	40.8							
140	40.1	31.1	10.9	4.14	12.7	24.9	36.8	33.2	22.4	15.7	25.8	37.4							
145	36.5	26.0	8.00	4.00	12.5	22.7	31.4	28.7	21.1	16.3	24.8	33.9							
150	32.2	18.9	5.88	3.95	12.0	20.8	27.1	25.2	19.8	16.8	23.8	30.2							
155	28.5	11.8	4.58	4.07	11.1	18.7	23.5	22.0	18.1	17.2	22.8	27.2							
160	25.3	6.76	4.26	4.28	10.7	16.5	20.8	19.4	16.7	17.6	21.7	24.8							
165	22.3	4.73	4.55	6.61	10.9	14.1	17.2	16.9	16.2	17.7	20.4	22.5							
170	15.8	4.44	8.09	9.80	11.9	13.3	6.42	13.9	16.6	17.7	18.9	20.2							
175	4.87	4.66	12.0	13.5	13.8	14.1	4.70	13.6	16.5	17.4	17.6	17.8							
180	4.60	11.1	15.4	16.3	16.2	15.7	4.61	11.0	15.4	16.2	16.3	15.8							

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: