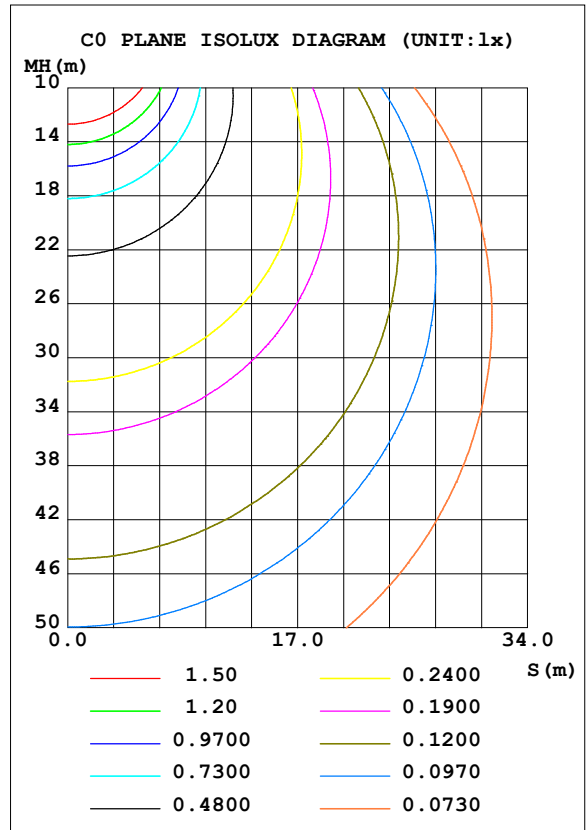
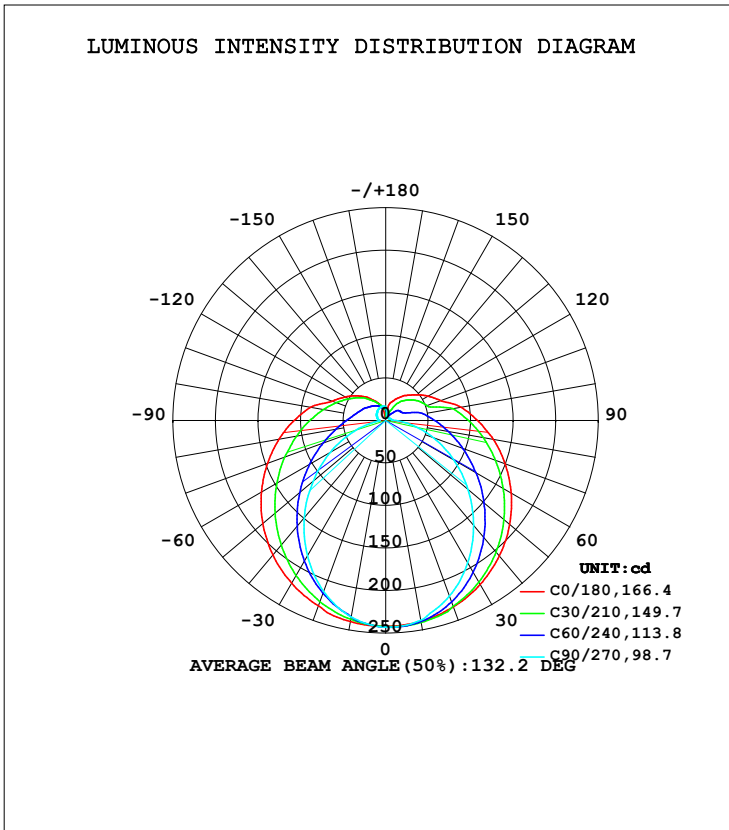


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.1010A P:11.90W PF:0.9770 Freq:60.00Hz Lamp Flux:1085.78x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.24 lm/W			
MODEL		I _{max} (cd)	243.3	S/MH (C0/180)	1.37
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.14
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1085.8	η UP, DN (C0-180)	9.5, 40.5
NOMINAL FLUX (lm)	1085.78	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.4, 38.6
LAMPS INSIDE	1	η up (%)	20.9	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	79.1	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	239.6	240.6	238.2	237.4	240.1	235.8	234.4	237.0	0- 10	22.92	22.92	2.11,2.11
20	233.2	229.6	219.5	223.6	231.9	221.3	213.7	222.6	10- 20	65.47	88.38	8.14,8.14
30	222.4	212.6	193.1	203.7	221.0	200.8	183.9	202.6	20- 30	99.30	187.7	17.3,17.3
40	207.9	190.7	160.9	179.3	206.3	176.5	149.0	178.1	30- 40	121.1	308.8	28.4,28.4
50	190.3	166.3	126.4	152.8	188.6	150.8	111.3	152.0	40- 50	129.9	438.8	40.4,40.4
60	170.4	141.1	92.23	125.9	168.6	125.6	75.49	126.4	50- 60	127.0	565.8	52.1,52.1
70	149.5	117.1	59.94	101.3	147.9	102.5	42.34	103.1	60- 70	115.1	680.9	62.7,62.7
80	128.6	95.64	31.49	79.80	127.3	82.77	15.95	83.31	70- 80	97.98	778.9	71.7,71.7
90	108.1	77.61	10.98	62.45	107.8	67.72	7.726	68.37	80- 90	80.01	858.9	79.1,79.1
100	90.29	62.79	6.894	49.19	89.80	56.21	9.531	57.06	90-100	64.96	923.8	85.1,85.1
110	68.94	39.12	5.323	29.85	66.91	47.14	11.29	48.30	100-110	49.25	973.1	89.6,89.6
120	57.46	33.01	4.749	24.69	55.41	40.01	12.74	41.58	110-120	36.62	1010	93,93
130	47.16	28.25	4.442	21.69	45.32	33.51	14.04	35.56	120-130	28.38	1038	95.6,95.6
140	38.72	20.25	4.000	18.99	36.23	27.80	15.30	30.39	130-140	20.61	1059	97.5,97.5
150	31.01	11.98	3.828	17.03	27.19	22.91	16.36	25.80	140-150	13.75	1072	98.8,98.8
160	24.29	5.357	4.140	14.25	19.99	18.31	17.07	22.09	150-160	8.095	1081	99.5,99.5
170	15.34	6.002	9.597	12.68	6.738	15.28	17.15	18.45	160-170	4.054	1085	99.9,99.9
180	4.443	12.78	15.55	15.38	4.447	12.80	15.56	15.38	170-180	1.183	1086	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 373.49 lm

%lum = 34.4%

%lamp = 34.4%

Conical surface Flux(120deg): 565.78 lm

%lum = 52.1%

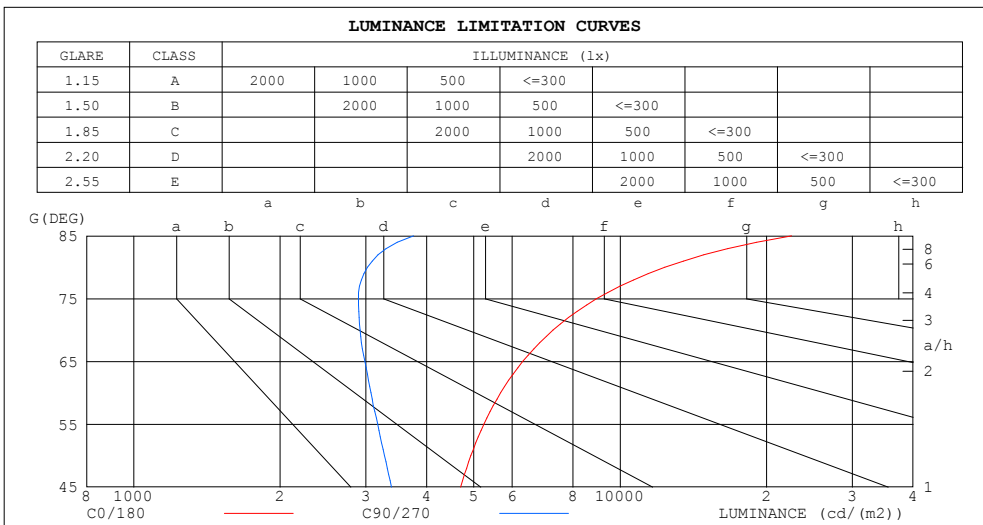
%lamp = 52.1%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.1010A P:11.90W PF:0.9770 Freq:60.00Hz Lamp Flux:1085.78x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	22496	3763
80	12345	3023
75	8948	2897
70	7283	2921
65	6307	2985
60	5680	3074
55	5246	3175
50	4934	3277
45	4701	3388

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:0.1010A P:11.90W PF:0.9770 Freq:60.00Hz Lamp Flux:1085.78x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 5000K	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	.196	.062	.318	.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	.047	.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	.180	.094	.028	.167	.088	.026	
7.0	.202	.100	.028	.195	.097	.028	.180	.091	.026	.167	.085	.025	.154	.080	.024	
8.0	.188	.092	.026	.181	.089	.025	.167	.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	.067	.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	.350	.350	.350	.299	.299	.299	.204	.204	.204	.117	.117	.117	.037	.037	.037	
1.0	.346	.316	.289	.296	.271	.249	.202	.187	.172	.116	.108	.100	.037	.035	.032	
2.0	.339	.293	.255	.290	.253	.221	.199	.175	.154	.115	.102	.090	.037	.033	.029	
3.0	.331	.277	.234	.284	.239	.203	.195	.166	.142	.113	.097	.084	.036	.031	.027	
4.0	.323	.264	.219	.278	.229	.191	.191	.159	.134	.110	.093	.079	.036	.030	.026	
5.0	.316	.255	.210	.271	.220	.182	.187	.154	.129	.108	.090	.076	.035	.029	.025	
6.0	.308	.247	.203	.265	.214	.176	.183	.150	.125	.106	.088	.074	.034	.029	.025	
7.0	.301	.240	.197	.259	.208	.172	.179	.146	.122	.104	.086	.073	.034	.028	.024	
8.0	.295	.235	.193	.254	.204	.169	.176	.143	.120	.102	.084	.071	.033	.028	.024	
9.0	.289	.230	.190	.249	.200	.166	.172	.140	.118	.100	.083	.070	.032	.027	.023	
10.0	.283	.226	.188	.244	.196	.164	.169	.138	.116	.099	.082	.070	.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:0.1010A P:11.90W PF:0.9770 Freq:60.00Hz Lamp Flux:1085.78x1 lm										
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 5000K					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	15.3	16.6	15.8	17.2	17.8
3H	20.3	21.5	20.9	22.1	22.7	16.9	18.1	17.5	18.7	19.4
4H	21.8	22.9	22.4	23.5	24.2	17.6	18.8	18.2	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	25.4	24.9	26.0	26.7	18.5	19.6	19.2	20.2	20.9
12H	25.3	26.4	26.0	27.0	27.7	18.8	19.8	19.4	20.4	21.2
4H 2H	18.2	19.4	18.8	19.9	20.6	16.5	17.7	17.1	18.3	19.0
3H	21.1	22.1	21.8	22.8	23.5	18.4	19.4	19.0	20.1	20.8
4H	22.8	23.7	23.5	24.4	25.1	19.3	20.3	20.0	20.9	21.7
6H	24.6	25.5	25.3	26.2	27.0	20.2	21.0	20.9	21.7	22.5
8H	25.7	26.4	26.4	27.1	28.0	20.6	21.4	21.3	22.1	22.9
12H	26.8	27.6	27.6	28.3	29.1	20.9	21.6	21.6	22.4	23.2
8H 4H	23.2	23.9	23.9	24.6	25.4	20.5	21.2	21.2	21.9	22.8
6H	25.3	26.0	26.1	26.7	27.6	21.7	22.4	22.4	23.1	23.9
8H	26.6	27.2	27.3	27.9	28.8	22.3	22.9	23.1	23.7	24.5
12H	28.0	28.5	28.8	29.3	30.2	22.9	23.4	23.7	24.2	25.1
12H 4H	23.2	23.9	23.9	24.6	25.5	20.8	21.5	21.5	22.3	23.1
6H	25.5	26.1	26.2	26.8	27.7	22.3	22.9	23.0	23.6	24.5
8H	26.8	27.3	27.6	28.1	29.0	23.1	23.6	23.8	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 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 1086 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)

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:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.1010A P:11.90W PF:0.9770 Freq:60.00Hz Lamp Flux:1085.78x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

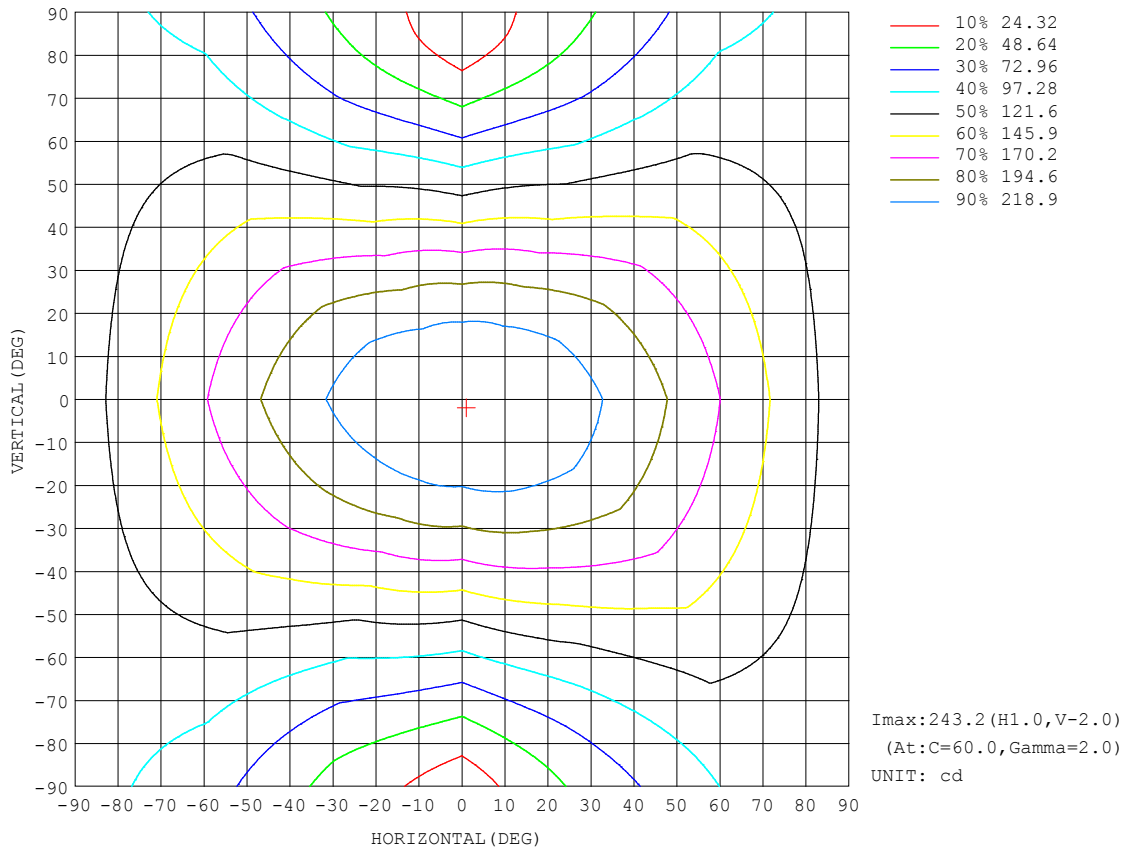
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	35	28	46	35	28	44	34	27	21
0.80	57	44	36	55	43	35	52	41	34	26
1.00	64	51	43	62	50	42	58	50	41	32
1.25	71	59	50	69	57	49	64	54	47	37
1.50	76	64	56	73	62	54	68	59	52	41
2.00	83	72	64	80	70	63	74	66	59	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	84	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:0.1010A P:11.90W PF:0.9770 Freq:60.00Hz Lamp Flux:1085.78x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

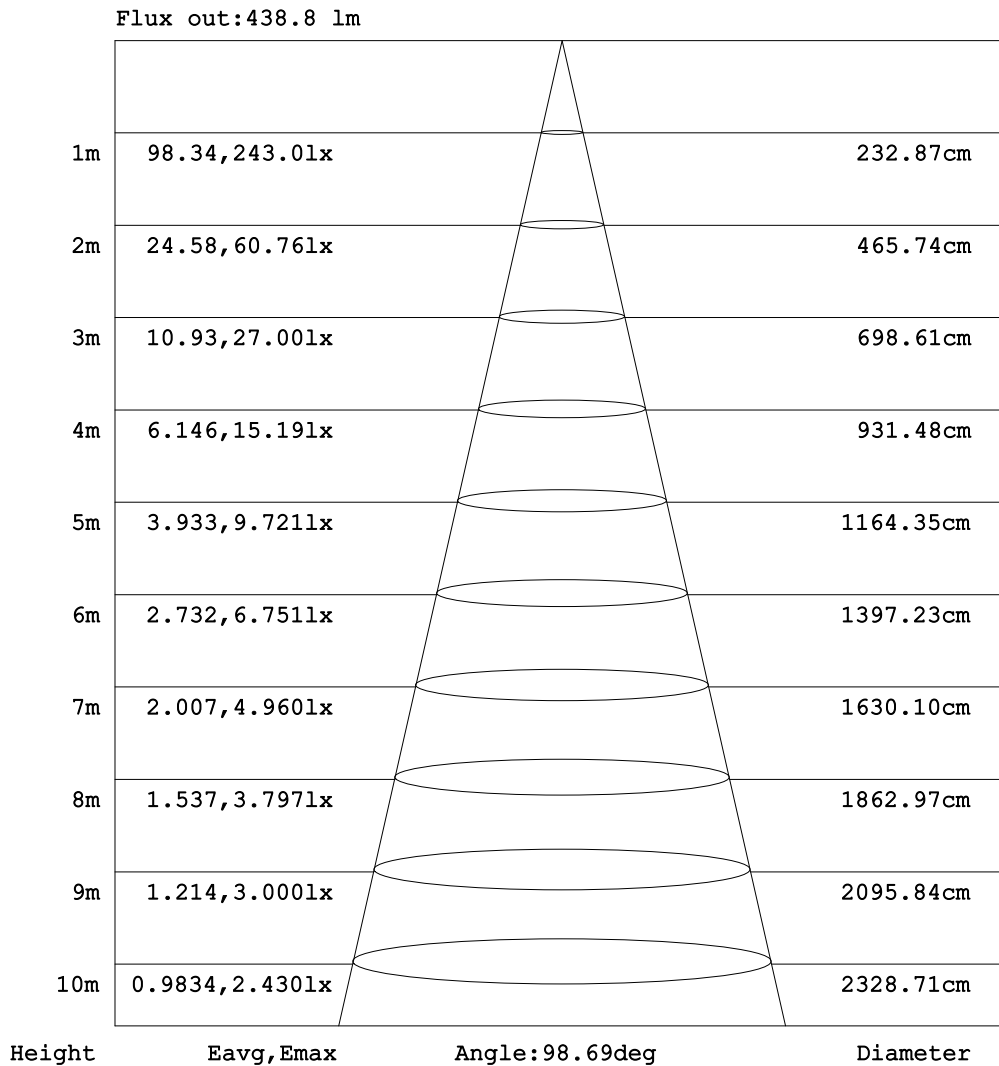


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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:0.1010A P:11.90W PF:0.9770 Freq:60.00Hz Lamp Flux:1085.78x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

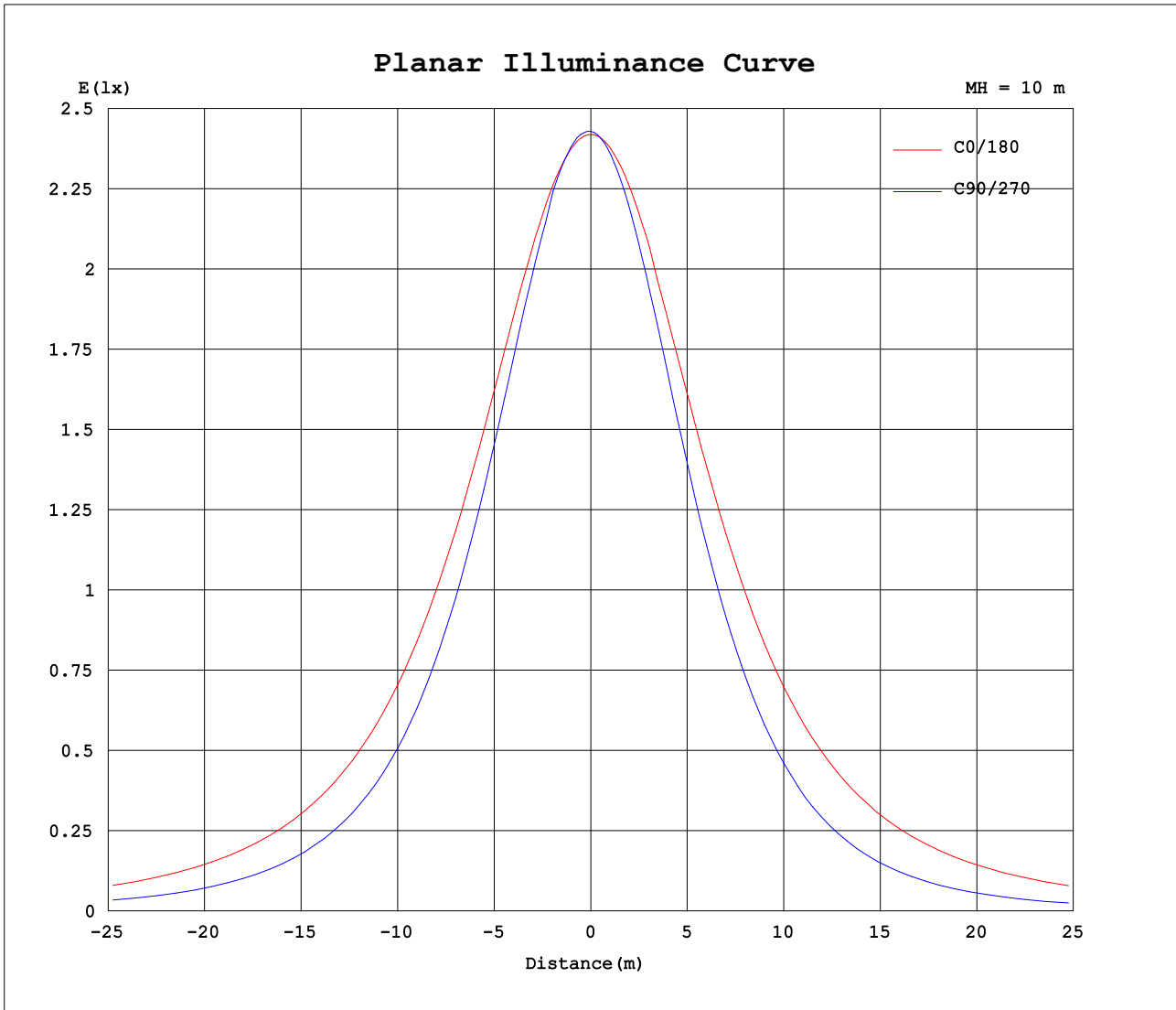


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1010A P:11.90W PF:0.9770 Freq:60.00Hz Lamp Flux:1085.78x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 5000K	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	242	242	243	243	242	241	242	242	243	243	242	241							
5	241	242	243	242	241	240	242	241	240	240	241	240							
10	240	241	240	238	237	238	240	237	234	234	236	238							
15	237	238	235	229	230	232	237	233	226	225	227	233							
20	233	232	227	220	222	226	232	226	216	214	218	228							
25	228	226	217	207	210	218	227	219	204	200	206	220							
30	222	219	206	193	198	210	221	211	191	184	193	212							
35	216	211	193	177	184	200	214	201	177	167	179	203							
40	208	202	179	161	169	190	206	191	162	149	164	192							
45	199	192	165	144	153	179	198	181	147	131	149	182							
50	190	181	151	126	138	168	189	170	132	111	133	171							
55	181	171	137	109	122	156	179	159	117	93.2	119	159							
60	170	160	123	92.2	107	144	169	148	103	75.5	105	148							
65	160	148	109	75.7	93.6	133	158	137	90.4	58.4	91.3	137							
70	149	138	96.7	59.9	80.5	122	148	127	78.5	42.3	79.4	127							
75	139	127	85.2	45.0	68.5	112	138	116	68.0	27.9	68.9	116							
80	129	117	74.7	31.5	57.7	102	127	106	59.2	16.0	60.1	107							
85	118	107	65.6	19.7	48.5	92.6	117	97.5	51.9	8.65	52.8	97.8							
90	108	97.4	57.8	11.0	41.0	83.9	108	89.3	46.1	7.73	47.1	89.7							
95	99.0	88.8	51.2	7.69	35.2	76.0	98.7	81.6	41.6	8.44	42.5	82.1							
100	90.3	80.2	45.4	6.89	30.6	67.8	89.8	74.5	37.9	9.53	39.0	75.1							
105	79.0	61.7	37.3	6.13	25.2	49.6	77.2	67.9	34.9	10.4	36.2	68.6							
110	68.9	51.7	26.5	5.32	17.6	42.1	66.9	61.7	32.6	11.3	34.1	62.5							
115	62.9	48.6	22.2	4.96	14.3	38.8	61.0	56.0	30.6	12.0	32.5	57.0							
120	57.5	45.4	20.6	4.75	13.5	35.8	55.4	50.9	29.1	12.7	31.2	52.0							
125	52.2	41.8	19.9	4.71	13.1	33.1	50.3	46.1	26.8	13.5	29.7	47.5							
130	47.2	38.0	18.5	4.44	13.1	30.3	45.3	41.8	25.2	14.0	27.9	43.2							
135	42.4	33.8	14.5	4.19	13.1	27.9	40.5	37.9	23.9	14.6	26.1	39.3							
140	38.7	30.0	10.5	4.00	13.1	24.9	36.2	33.1	22.5	15.3	24.9	35.9							
145	35.3	25.0	7.72	3.87	13.1	22.9	31.2	29.1	21.2	15.9	23.8	32.3							
150	31.0	18.2	5.71	3.83	12.9	21.1	27.2	25.7	20.1	16.4	22.7	28.9							
155	27.4	11.4	4.44	3.95	12.3	19.2	23.4	22.6	18.5	16.8	21.7	26.0							
160	24.3	6.59	4.13	4.14	11.4	17.1	20.0	19.9	16.7	17.1	20.6	23.6							
165	21.4	4.59	4.39	6.40	11.3	14.4	16.7	17.0	16.3	17.2	19.3	21.3							
170	15.3	4.31	7.70	9.60	12.1	13.3	6.74	14.1	16.4	17.1	17.7	19.2							
175	4.70	4.51	11.4	13.0	13.8	13.7	4.53	13.7	16.1	16.7	16.7	16.9							
180	4.44	10.7	14.8	15.6	15.8	15.0	4.45	10.8	14.8	15.6	15.8	14.9							

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: