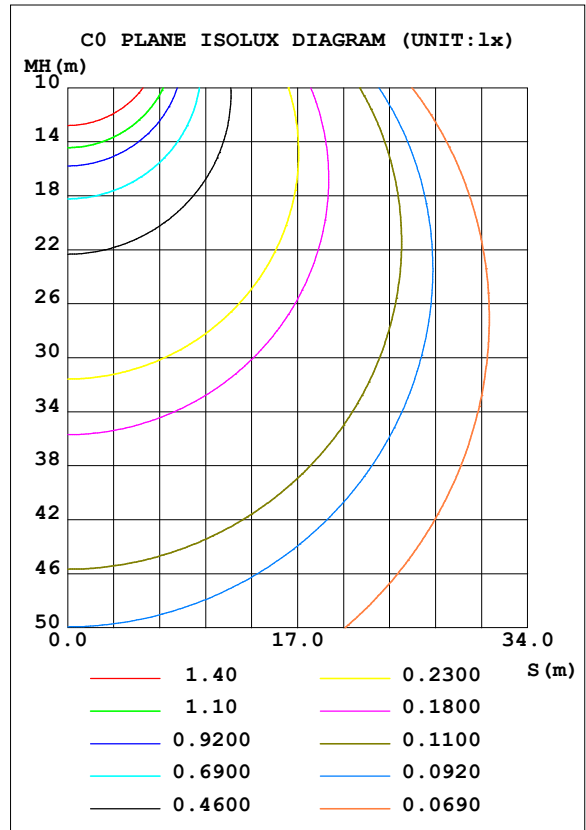
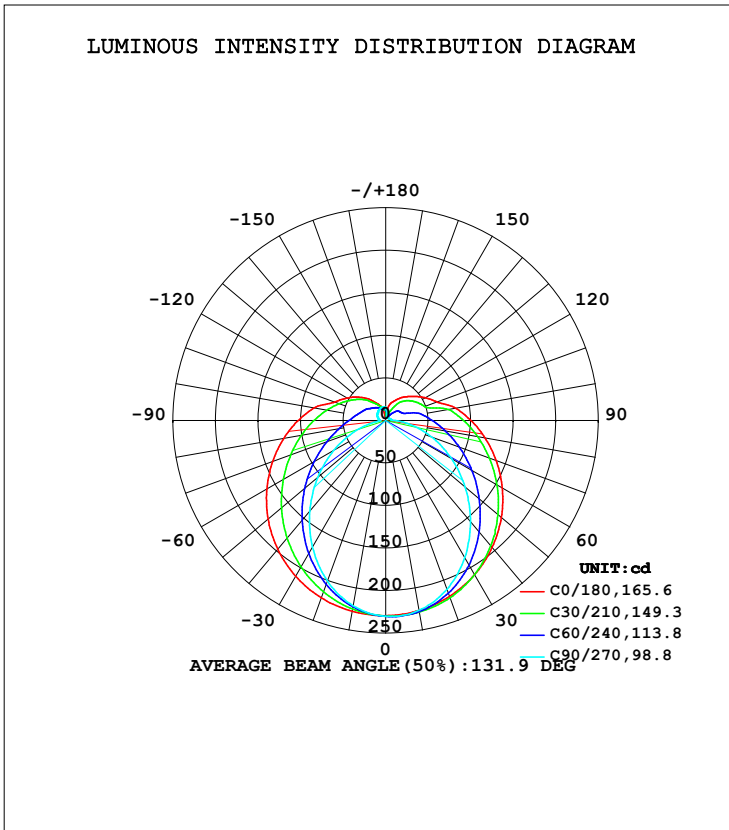


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.1020A P:12.00W PF:0.9770 Freq:60.00Hz Lamp Flux:1025.62x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.47 lm/W			
MODEL		I _{max} (cd)	230.8	S/MH (C0/180)	1.38
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.13
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1025.6	η UP, DN (C0-180)	9.5, 40.8
NOMINAL FLUX (lm)	1025.62	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	11.2, 38.5
LAMPS INSIDE	1	η up (%)	20.7	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	79.3	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	226.8	228.3	226.4	225.6	227.8	223.7	221.3	223.3	0- 10	21.72	21.72	2.12,2.12
20	220.0	218.9	211.0	214.0	221.8	209.6	200.6	210.0	10- 20	62.14	83.86	8.18,8.18
30	209.2	202.7	186.0	195.4	211.5	189.9	172.2	190.0	20- 30	94.31	178.2	17.4,17.4
40	194.7	181.6	155.2	172.5	197.5	166.7	138.9	166.3	30- 40	114.9	293.1	28.6,28.6
50	177.5	158.0	122.0	146.8	180.5	142.1	104.3	141.2	40- 50	123.1	416.1	40.6,40.6
60	158.3	133.9	89.03	121.5	161.3	118.1	70.52	116.9	50- 60	120.1	536.3	52.3,52.3
70	138.3	111.0	57.73	97.70	141.4	96.38	39.46	95.02	60- 70	108.7	645.0	62.9,62.9
80	118.7	90.44	30.38	76.89	121.6	78.14	14.78	76.82	70- 80	92.49	737.5	71.9,71.9
90	100.3	73.23	10.62	60.15	102.9	63.83	7.197	62.89	80- 90	75.44	812.9	79.3,79.3
100	83.83	59.16	6.600	47.34	85.62	52.93	8.583	52.58	90-100	61.14	874.1	85.2,85.2
110	64.25	36.84	5.049	28.49	63.88	44.23	10.15	44.77	100-110	46.27	920.3	89.7,89.7
120	53.69	31.36	4.576	23.42	52.84	37.30	11.78	38.87	110-120	34.43	954.8	93.1,93.1
130	44.29	26.94	4.235	20.26	43.03	30.68	13.07	33.62	120-130	26.69	981.4	95.7,95.7
140	36.49	19.42	3.800	17.19	33.79	24.79	14.25	28.94	130-140	19.29	1001	97.6,97.6
150	29.27	11.16	3.640	14.84	24.65	19.95	15.32	24.65	140-150	12.70	1013	98.8,98.8
160	23.02	5.044	3.944	11.89	18.34	15.78	16.05	21.15	150-160	7.394	1021	99.5,99.5
170	13.65	5.798	9.111	10.48	6.541	13.82	16.17	17.70	160-170	3.697	1025	99.9,99.9
180	4.247	12.37	14.74	14.42	4.255	12.35	14.69	14.43	170-180	1.100	1026	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 354.33 lm

%lum = 34.5%
%lamp = 34.5%

Conical surface Flux(120deg): 536.26 lm

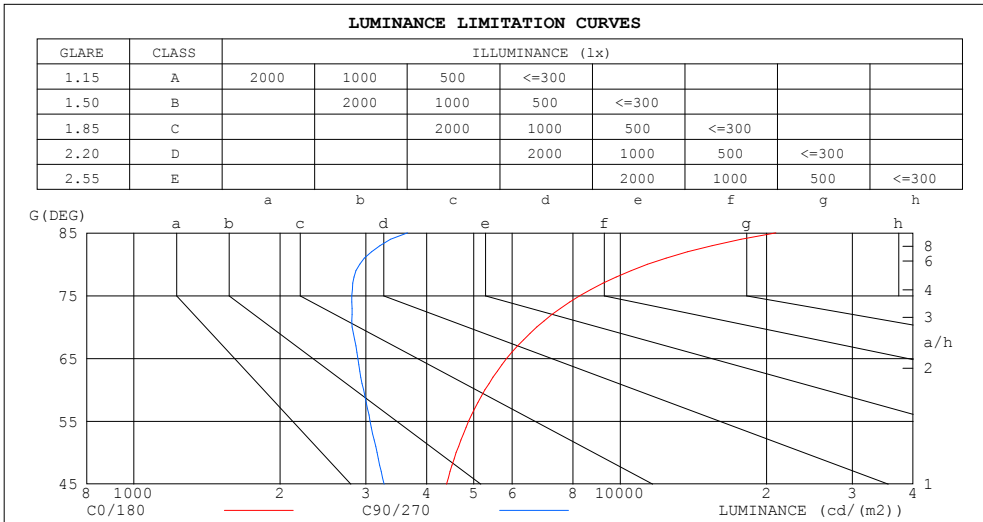
%lum = 52.3%
%lamp = 52.3%

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:120.6V I:0.1020A P:12.00W PF:0.9770 Freq:60.00Hz Lamp Flux:1025.62x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 2700K	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:

WEC AND CCEC

Test:U:120.6V I:0.1020A P:12.00W PF:0.9770 Freq:60.00Hz Lamp Flux:1025.62x1 lm														
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 2700K							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	.253	.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	.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	.348	.348	.348	.298	.298	.298	.203	.203	.203	.117	.117	.117	.037	.037	.037	
1.0	.344	.315	.288	.295	.270	.248	.202	.186	.172	.116	.108	.100	.037	.035	.032	
2.0	.338	.292	.254	.289	.251	.220	.198	.174	.153	.114	.101	.090	.037	.033	.029	
3.0	.330	.276	.232	.283	.238	.202	.194	.165	.141	.112	.096	.083	.036	.031	.027	
4.0	.322	.263	.218	.276	.227	.190	.190	.159	.134	.110	.093	.079	.035	.030	.026	
5.0	.315	.253	.208	.270	.219	.181	.186	.153	.128	.108	.090	.076	.035	.029	.025	
6.0	.307	.246	.201	.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	.233	.192	.253	.202	.168	.175	.142	.119	.102	.084	.071	.033	.027	.023	
9.0	.287	.229	.189	.248	.198	.165	.171	.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:120.6V I:0.1020A P:12.00W PF:0.9770 Freq:60.00Hz Lamp Flux:1025.62x1 lm										
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 2700K					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	18.9	18.1	19.5	20.1	15.4	16.7	15.9	17.3	17.9
3H	20.2	21.5	20.8	22.0	22.7	17.0	18.2	17.6	18.8	19.5
4H	21.7	22.8	22.3	23.4	24.1	17.7	18.9	18.3	19.5	20.2
6H	23.3	24.4	23.9	25.0	25.7	18.4	19.5	19.0	20.1	20.8
8H	24.2	25.3	24.8	25.9	26.6	18.6	19.7	19.3	20.3	21.0
12H	25.2	26.3	25.9	26.9	27.6	18.9	19.9	19.5	20.5	21.3
4H 2H	18.2	19.3	18.8	19.9	20.6	16.6	17.8	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	20.9
4H	22.7	23.7	23.4	24.3	25.1	19.4	20.4	20.1	21.0	21.8
6H	24.6	25.4	25.2	26.1	26.9	20.3	21.1	21.0	21.8	22.6
8H	25.6	26.4	26.3	27.1	27.9	20.7	21.5	21.4	22.1	23.0
12H	26.8	27.5	27.5	28.2	29.0	21.0	21.7	21.7	22.5	23.3
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	25.9	26.0	26.7	27.5	21.8	22.4	22.5	23.2	24.0
8H	26.5	27.1	27.2	27.8	28.7	22.4	23.0	23.1	23.7	24.6
12H	27.9	28.5	28.7	29.2	30.1	23.0	23.5	23.7	24.3	25.1
12H 4H	23.1	23.9	23.9	24.6	25.4	20.9	21.6	21.6	22.3	23.1
6H	25.4	26.0	26.1	26.7	27.6	22.4	22.9	23.1	23.7	24.6
8H	26.8	27.3	27.5	28.0	28.9	23.2	23.7	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, 1026 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)

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:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.1020A P:12.00W PF:0.9770 Freq:60.00Hz Lamp Flux:1025.62x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

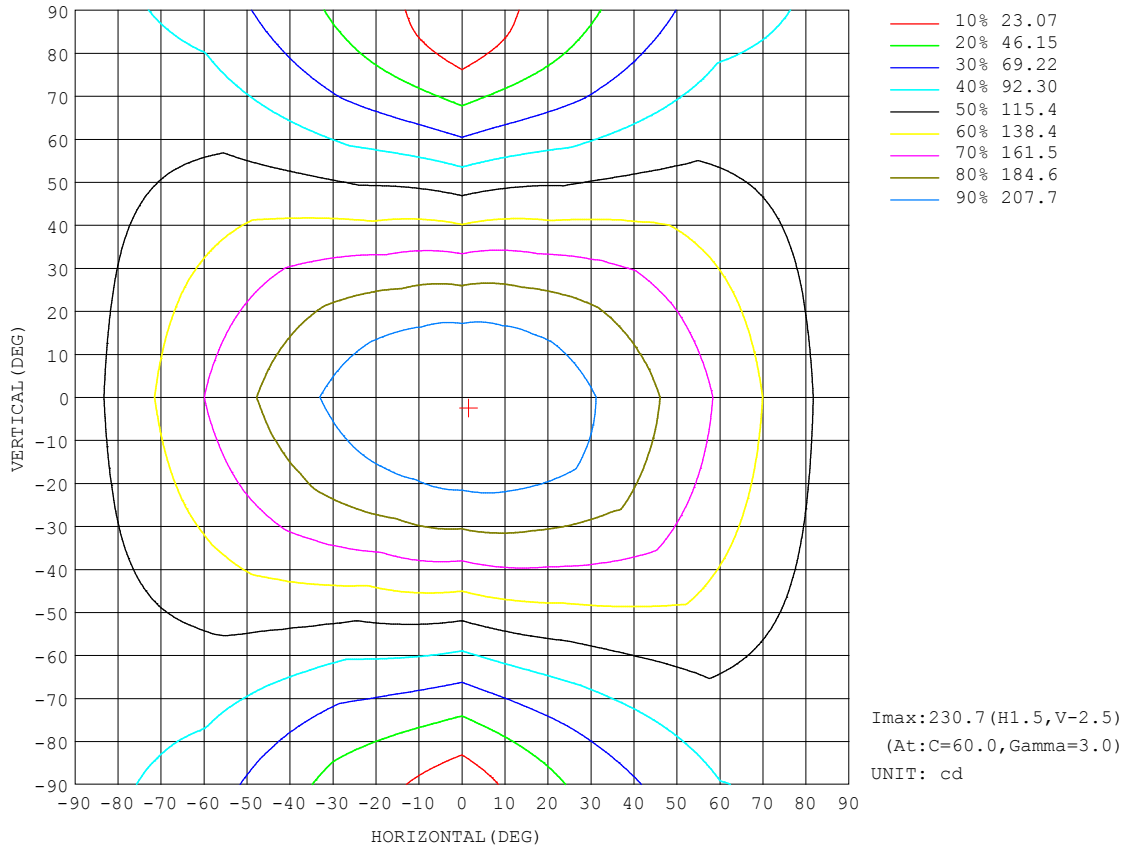
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	35	28	46	35	28	44	34	27	21
0.80	57	44	36	55	43	35	52	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:120.6V I:0.1020A P:12.00W PF:0.9770 Freq:60.00Hz Lamp Flux:1025.62x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

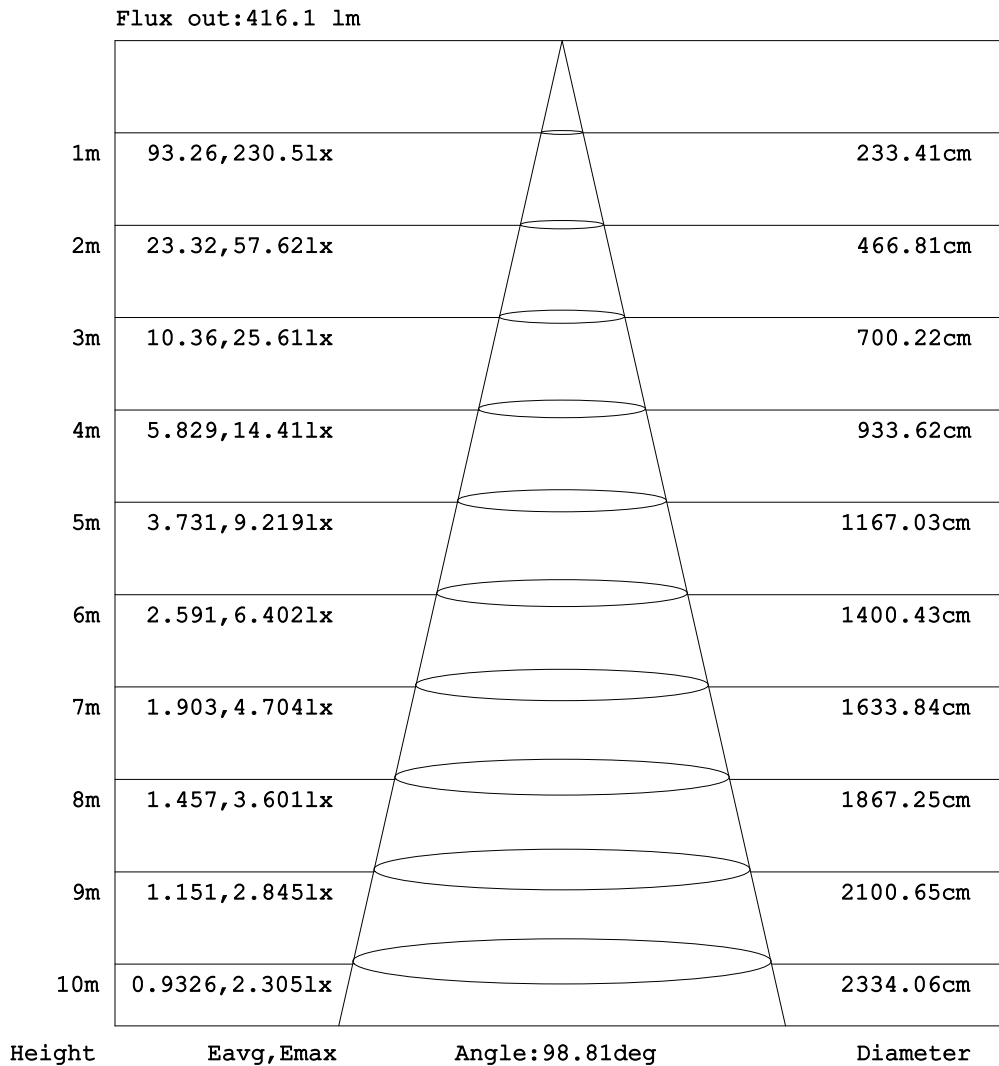


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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:120.6V I:0.1020A P:12.00W PF:0.9770 Freq:60.00Hz Lamp Flux:1025.62x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

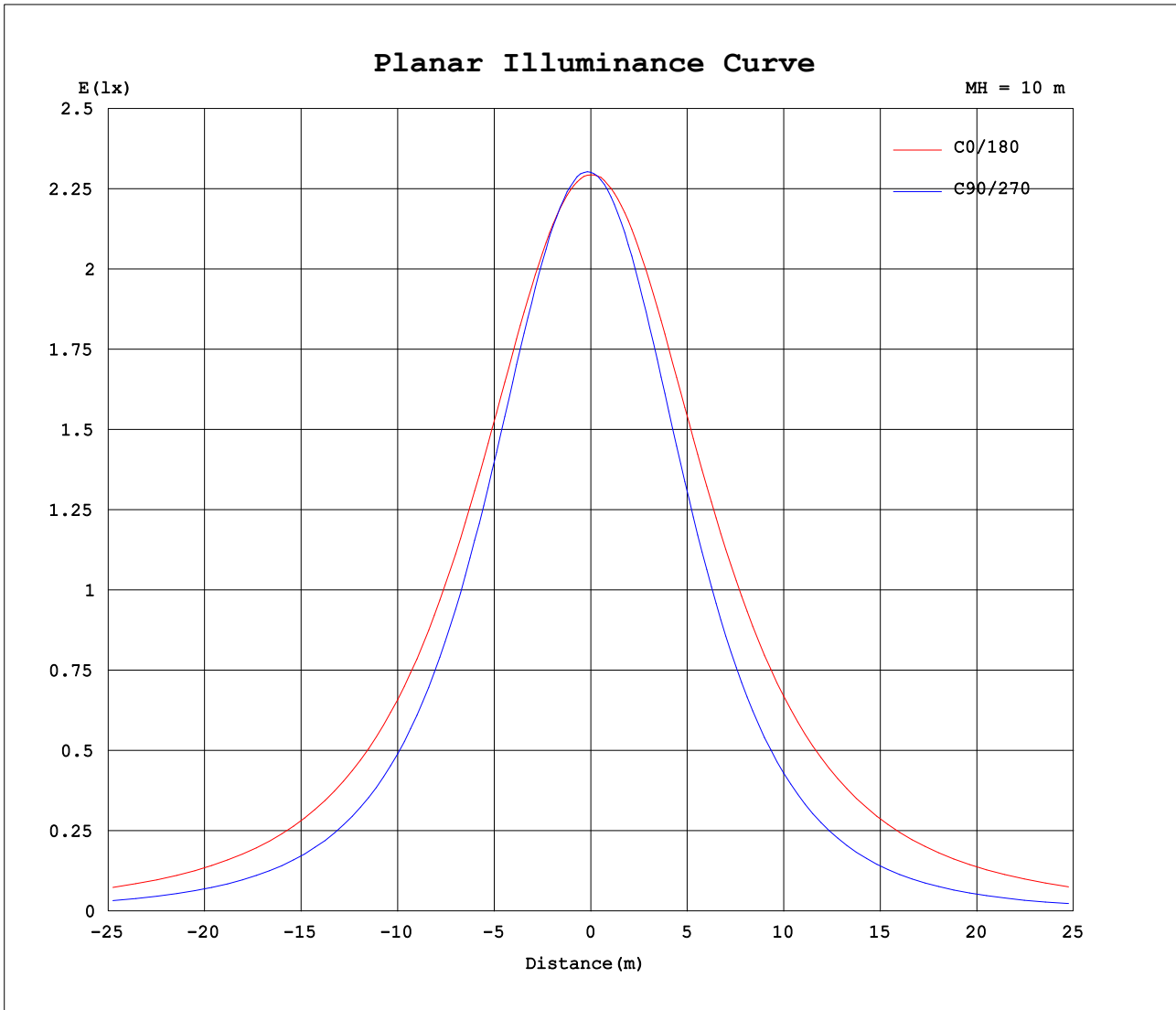


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.6V I:0.1020A P:12.00W PF:0.9770 Freq:60.00Hz Lamp Flux:1025.62x1 lm		
NAME: LVS1R-14-12-95C-MVUD-BL 整灯 2700K	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	229	230	230	230	230	228	229	230	230	230	230	228							
5	229	230	230	230	229	228	229	228	228	227	227	227							
10	227	229	228	226	226	226	228	225	222	221	222	224							
15	224	226	223	220	220	222	225	220	215	212	215	220							
20	220	222	216	211	211	217	222	214	205	201	206	214							
25	215	216	207	200	201	210	217	207	194	187	194	207							
30	209	209	196	186	189	202	212	199	181	172	182	198							
35	202	201	184	171	176	192	205	190	167	156	168	189							
40	195	192	171	155	162	183	197	180	153	139	153	179							
45	186	182	157	139	147	173	189	170	138	122	139	169							
50	178	172	144	122	133	161	180	160	124	104	124	158							
55	168	162	130	105	118	150	171	149	111	87.2	110	147							
60	158	151	117	89.0	104	139	161	139	97.3	70.5	96.9	137							
65	148	140	104	73.3	90.4	128	151	129	85.0	54.4	84.5	127							
70	138	130	92.2	57.7	77.8	118	141	119	73.9	39.5	73.3	117							
75	128	120	81.2	43.6	66.1	108	131	110	64.0	26.0	63.5	107							
80	119	110	71.1	30.4	55.7	98.1	122	101	55.7	14.8	55.2	98.5							
85	109	100	62.4	19.1	46.8	89.2	112	92.2	48.8	8.06	48.4	90.3							
90	100	91.6	54.9	10.6	39.5	80.8	103	84.3	43.3	7.20	43.1	82.7							
95	91.8	83.5	48.5	7.38	33.8	73.1	94.1	77.1	39.0	7.74	38.9	75.8							
100	83.8	75.3	43.0	6.60	29.3	65.3	85.6	70.3	35.5	8.58	35.8	69.4							
105	73.4	57.8	35.2	5.83	24.0	47.8	73.7	64.1	32.6	9.37	33.3	63.5							
110	64.3	48.6	25.1	5.05	16.7	40.3	63.9	58.2	30.3	10.1	31.5	58.1							
115	58.7	45.7	21.4	4.80	13.6	37.0	58.1	52.8	28.4	11.0	30.1	53.0							
120	53.7	42.8	20.0	4.58	12.6	34.2	52.8	47.8	26.8	11.8	29.1	48.6							
125	48.9	39.7	19.1	4.51	12.0	31.4	47.9	43.3	24.3	12.5	28.0	44.6							
130	44.3	36.3	17.5	4.23	11.9	28.7	43.0	38.9	22.5	13.1	26.3	40.9							
135	40.0	32.7	13.6	4.00	11.8	26.1	38.1	34.7	21.1	13.6	24.7	37.3							
140	36.5	29.0	9.80	3.80	11.6	22.8	33.8	29.9	19.7	14.2	23.6	34.3							
145	33.2	23.5	7.28	3.68	11.3	20.7	28.8	25.8	18.5	14.8	22.6	31.0							
150	29.3	16.9	5.39	3.64	11.0	18.7	24.7	22.5	17.4	15.3	21.7	27.6							
155	26.0	10.7	4.22	3.76	10.1	16.7	21.3	19.8	16.0	15.7	20.7	24.8							
160	23.0	6.15	3.93	3.94	9.13	14.7	18.3	17.3	14.2	16.0	19.7	22.6							
165	20.0	4.36	4.20	6.11	9.05	12.0	15.6	15.1	13.8	16.2	18.5	20.4							
170	13.7	4.12	7.48	9.11	10.1	10.8	6.54	13.1	14.5	16.2	17.1	18.3							
175	4.44	4.34	11.0	12.4	12.3	12.1	4.33	13.2	14.8	15.8	15.9	16.2							
180	4.25	10.7	14.0	14.7	14.7	14.2	4.25	10.7	14.0	14.7	14.7	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: