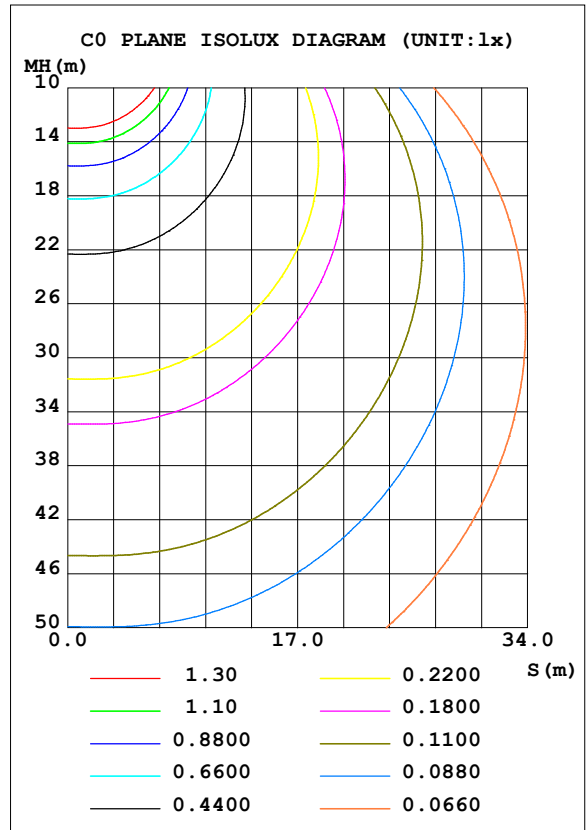
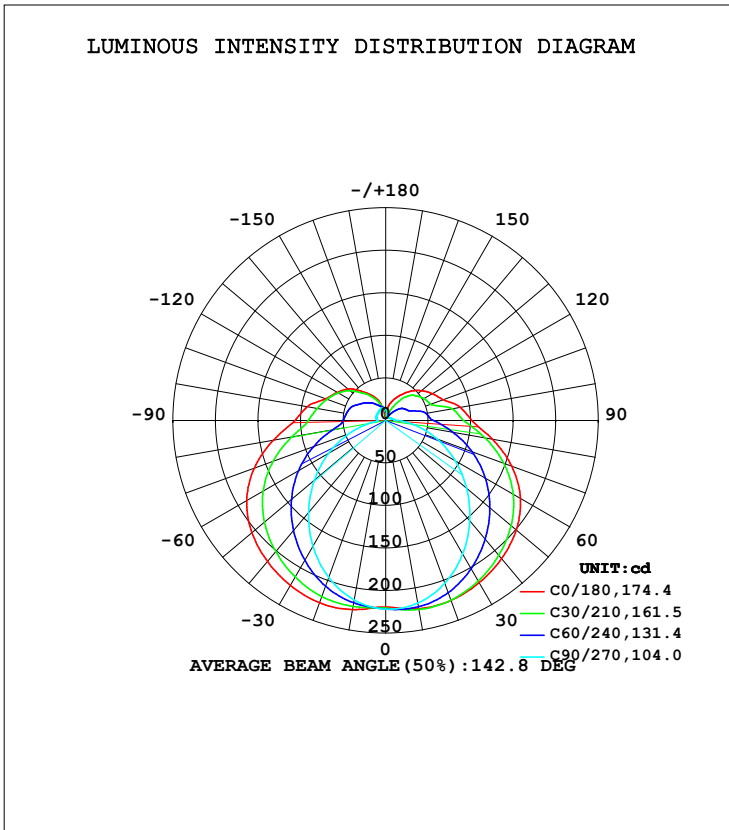


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.0990A P:11.70W PF:0.9750 Freq:60.00Hz Lamp Flux:1131.58x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.72 lm/W			
MODEL		I _{max} (cd)	228.1	S/MH (C0/180)	1.53
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.16
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1131.6	η UP, DN (C0-180)	9.9, 39.7
NOMINAL FLUX (lm)	1131.58	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	12.3, 38.2
LAMPS INSIDE	1	η up (%)	22.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	77.8	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	224.5	224.0	217.9	219.6	225.6	219.7	214.2	219.9	0- 10	21.09	21.09	1.86,1.86
20	225.0	220.1	203.5	213.1	228.0	213.7	196.3	212.5	10- 20	61.74	82.83	7.32,7.32
30	220.1	209.5	181.1	199.7	224.0	201.4	170.9	198.6	20- 30	96.17	179.0	15.8,15.8
40	212.0	194.5	153.7	181.7	216.3	184.9	141.1	180.6	30- 40	120.9	299.9	26.5,26.5
50	200.4	176.2	124.2	160.7	205.3	165.4	109.5	159.6	40- 50	134.5	434.4	38.4,38.4
60	182.9	154.2	94.29	137.2	188.8	142.4	77.51	135.2	50- 60	136.3	570.7	50.4,50.4
70	157.7	128.0	64.70	110.9	164.4	115.6	46.05	107.7	60- 70	125.8	696.5	61.5,61.5
80	127.3	99.45	36.65	83.19	133.9	87.75	18.82	79.99	70- 80	104.5	800.9	70.8,70.8
90	101.4	73.98	14.05	58.83	106.7	70.66	10.05	64.19	80- 90	79.62	880.6	77.8,77.8
100	89.22	64.12	9.048	49.90	93.68	64.56	11.37	58.57	90-100	65.36	945.9	83.6,83.6
110	71.69	44.64	6.726	34.45	74.77	58.77	12.12	53.33	100-110	53.87	999.8	88.4,88.4
120	63.27	39.30	6.002	30.57	66.07	51.22	12.52	48.63	110-120	42.76	1043	92.1,92.1
130	54.69	33.69	5.210	26.84	57.84	43.51	12.88	42.89	120-130	34.25	1077	95.2,95.2
140	44.96	24.44	4.403	22.09	45.27	34.69	13.54	36.07	130-140	24.87	1102	97.4,97.4
150	34.42	12.93	4.083	18.13	34.72	26.86	14.47	28.98	140-150	15.88	1118	98.8,98.8
160	25.16	5.814	4.383	13.95	24.83	20.05	15.19	22.84	150-160	8.846	1126	99.5,99.5
170	15.24	6.048	9.177	11.91	7.025	14.96	15.32	17.86	160-170	4.083	1130	99.9,99.9
180	4.651	10.98	14.16	13.94	4.655	10.97	14.16	13.95	170-180	1.111	1132	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 366.17 lm

%lum = 32.4%
%lamp = 32.4%

Conical surface Flux(120deg): 570.69 lm

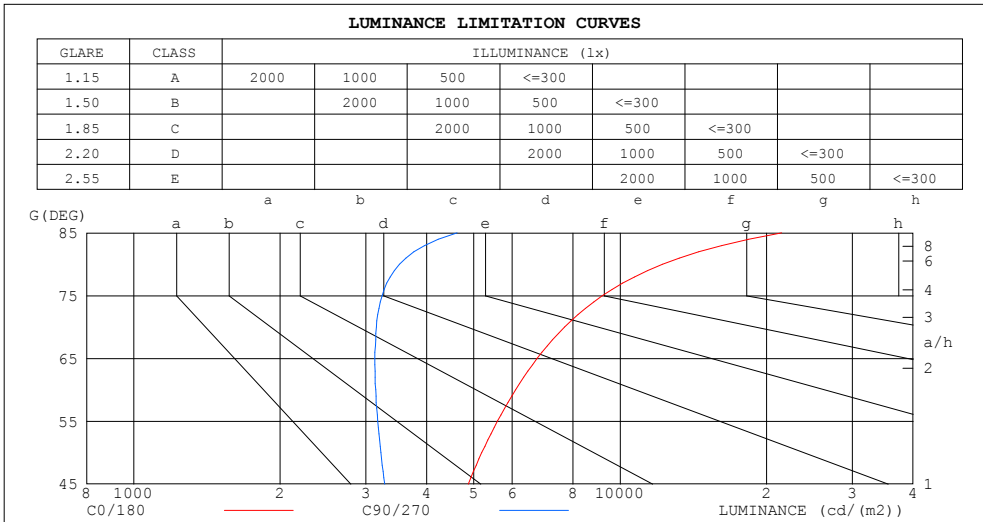
%lum = 50.4%
%lamp = 50.4%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.0990A P:11.70W PF:0.9750 Freq:60.00Hz Lamp Flux:1131.58x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 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	21475	4618
80	12217	3518
75	9195	3239
70	7686	3153
65	6752	3130
60	6096	3143
55	5596	3175
50	5197	3221
45	4874	3279

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:0.0990A P:11.70W PF:0.9750 Freq:60.00Hz Lamp Flux:1131.58x1 lm									
NAME: LVS1S-14-12-95C-MVUD-NS 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	.381	.216	.069	.367	.209	.066	.340	.195	.062	.316	.182	.059	.294	.171	.055	
2.0	.330	.181	.056	.318	.175	.054	.294	.164	.051	.272	.153	.048	.252	.143	.045	
3.0	.294	.156	.047	.283	.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	.039	.039	.039	
1.0	.356	.326	.299	.304	.280	.257	.208	.192	.178	.120	.111	.104	.038	.036	.033	
2.0	.349	.303	.265	.299	.261	.229	.205	.181	.160	.118	.105	.094	.038	.034	.031	
3.0	.342	.287	.243	.293	.248	.211	.201	.172	.148	.116	.100	.087	.037	.033	.029	
4.0	.334	.275	.229	.287	.237	.199	.197	.165	.140	.114	.097	.083	.037	.032	.027	
5.0	.326	.265	.219	.280	.229	.191	.193	.160	.135	.112	.094	.080	.036	.031	.026	
6.0	.319	.257	.212	.274	.223	.185	.189	.156	.131	.110	.092	.078	.035	.030	.026	
7.0	.312	.250	.207	.268	.217	.181	.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	.258	.208	.175	.179	.147	.124	.104	.087	.074	.034	.028	.025	
10.0	.293	.236	.198	.253	.205	.173	.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:0.0990A P:11.70W PF:0.9750 Freq:60.00Hz Lamp Flux:1131.58x1 lm										
NAME: LVS1S-14-12-95C-MVUD-NS 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	17.8	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	22.2	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	19.6	20.3
6H	23.3	24.4	24.0	25.1	25.8	18.5	19.6	19.2	20.3	21.0
8H	24.1	25.2	24.8	25.8	26.6	18.8	19.9	19.5	20.5	21.3
12H	25.1	26.1	25.7	26.7	27.5	19.1	20.1	19.8	20.8	21.6
4H 2H	18.4	19.5	19.0	20.2	20.9	16.7	17.8	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	21.3	21.2	22.0	22.9
8H	25.5	26.3	26.2	27.0	27.8	20.9	21.7	21.6	22.4	23.2
12H	26.6	27.3	27.3	28.0	28.9	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	27.1	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	24.4	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, 1132 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:0.0990A P:11.70W PF:0.9750 Freq:60.00Hz Lamp Flux:1131.58x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

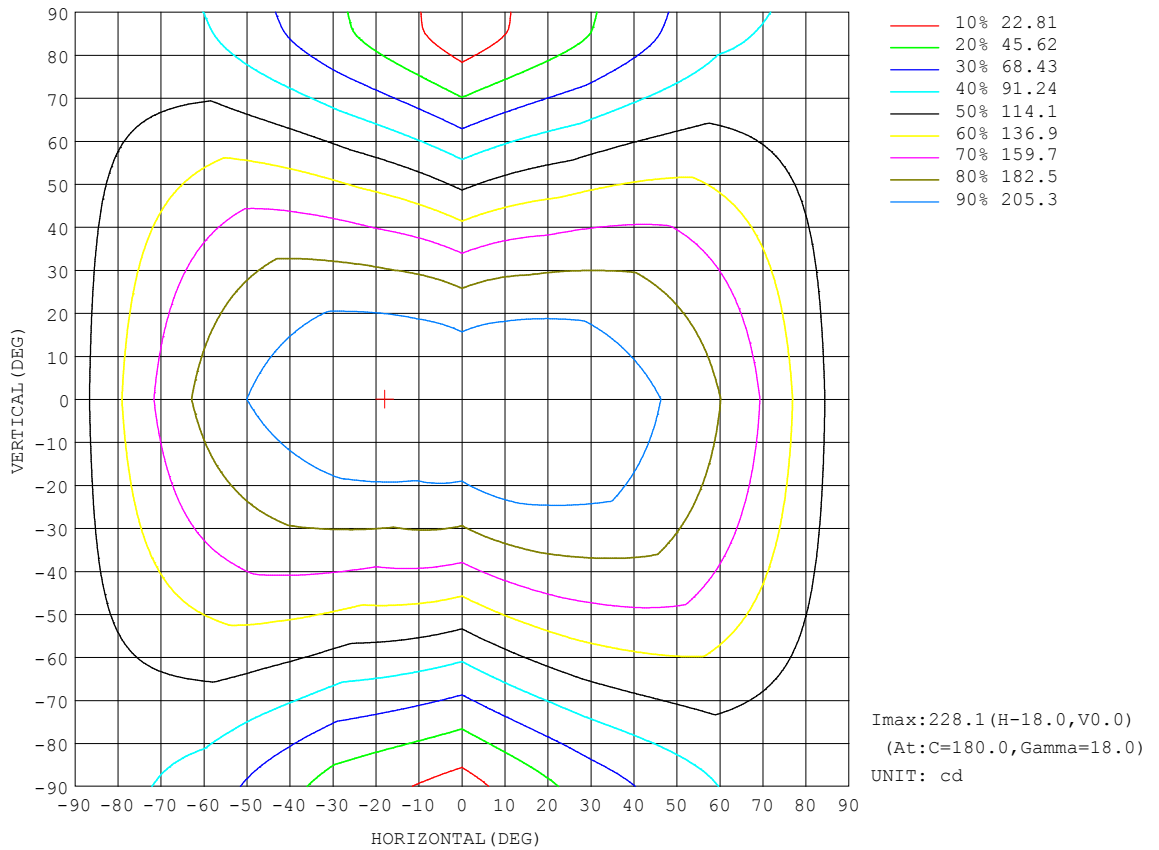
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	34	27	45	33	26	43	32	26	19
0.80	56	43	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	57	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	57
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:0.0990A P:11.70W PF:0.9750 Freq:60.00Hz Lamp Flux:1131.58x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

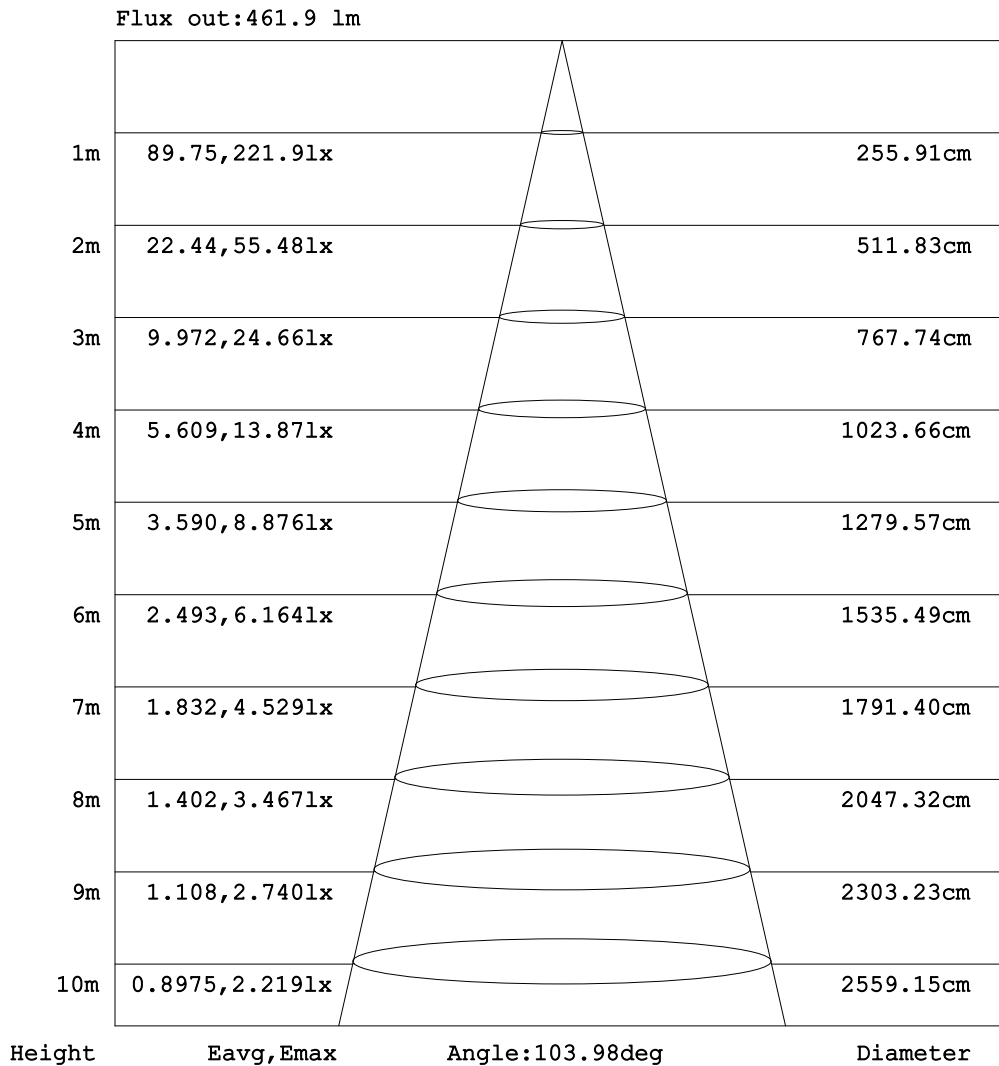


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-04-15

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:0.0990A P:11.70W PF:0.9750 Freq:60.00Hz Lamp Flux:1131.58x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

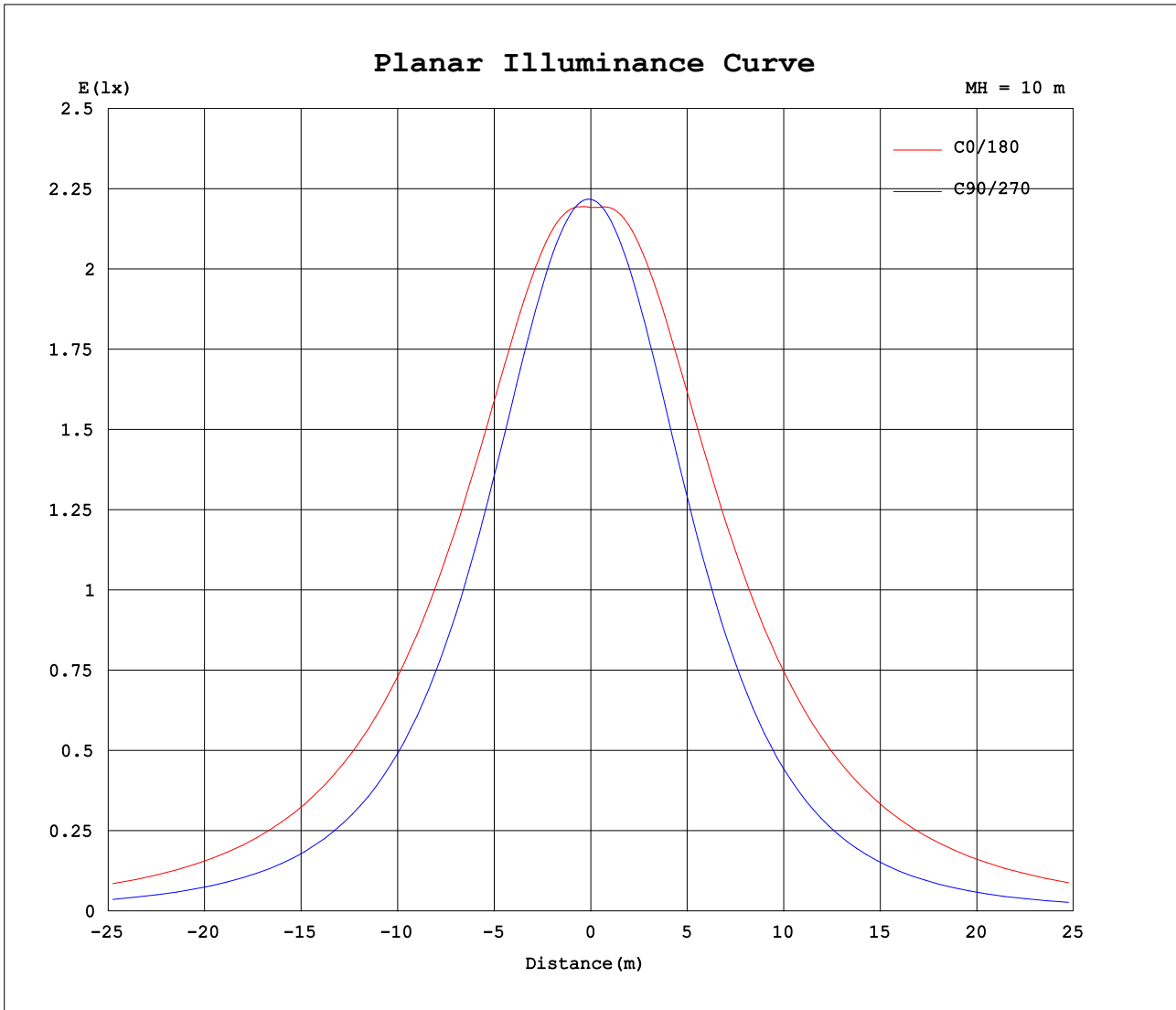


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0990A P:11.70W PF:0.9750 Freq:60.00Hz Lamp Flux:1131.58x1 lm		
NAME: LVS1S-14-12-95C-MVUD-NS 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	219	221	222	222	221	219	219	221	222	222	221	219							
5	222	223	223	221	220	220	222	221	220	219	220	221							
10	224	226	222	218	218	221	226	222	218	214	218	222							
15	226	226	220	212	214	221	228	222	213	206	213	221							
20	225	225	215	204	208	218	228	220	207	196	206	219							
25	223	222	209	193	200	215	227	217	199	184	198	214							
30	220	218	201	181	190	209	224	213	190	171	188	209							
35	216	213	192	168	179	203	221	207	180	156	177	203							
40	212	207	182	154	167	196	216	201	169	141	165	196							
45	207	200	171	139	155	188	211	194	157	125	152	188							
50	200	193	160	124	142	180	205	186	145	110	139	180							
55	193	184	148	109	129	170	198	177	132	93.5	126	170							
60	183	173	135	94.3	115	159	189	166	118	77.5	112	159							
65	171	161	122	79.4	102	147	178	154	104	61.6	97.5	146							
70	158	148	108	64.7	87.6	134	164	141	90.3	46.1	83.0	132							
75	143	133	94.2	50.3	73.6	121	150	127	76.3	31.5	68.9	118							
80	127	119	80.3	36.7	59.9	106	134	112	63.4	18.8	56.1	104							
85	112	104	67.2	24.1	47.3	92.7	119	98.8	53.3	10.6	46.4	91.2							
90	101	91.6	56.3	14.0	36.9	80.8	107	91.1	50.2	10.1	43.7	84.6							
95	95.0	85.5	51.3	10.1	32.3	74.7	100.0	86.3	48.7	10.7	42.5	80.2							
100	89.2	79.9	48.3	9.05	30.4	69.4	93.7	81.9	47.3	11.4	41.3	75.8							
105	80.6	65.8	42.3	7.76	26.7	54.5	84.1	77.6	45.8	11.8	40.2	71.6							
110	71.7	56.2	33.1	6.73	20.9	48.0	74.8	73.5	44.1	12.1	39.1	67.6							
115	67.5	54.2	28.7	6.29	17.6	46.5	70.2	69.3	41.3	12.3	38.1	63.9							
120	63.3	51.8	26.8	6.00	16.3	44.8	66.1	64.7	37.7	12.5	36.8	60.4							
125	59.1	49.1	24.9	5.76	15.6	42.4	61.9	60.2	34.9	12.7	34.9	56.9							
130	54.7	45.4	22.0	5.21	14.8	38.8	57.8	54.7	32.3	12.9	32.5	53.2							
135	50.1	42.2	17.1	4.75	14.1	34.5	51.9	48.0	29.7	13.1	30.0	49.0							
140	45.0	36.1	12.7	4.40	13.3	30.9	45.3	42.2	27.2	13.5	27.7	44.4							
145	39.5	28.9	8.40	4.13	12.5	27.5	39.6	37.2	24.5	14.0	25.6	39.5							
150	34.4	20.3	5.58	4.08	11.8	24.5	34.7	32.0	21.7	14.5	23.6	34.3							
155	29.6	13.4	4.53	4.18	11.0	21.2	30.0	27.3	19.5	14.9	21.9	29.6							
160	25.2	7.28	4.35	4.38	10.2	17.7	24.8	22.3	17.8	15.2	20.2	25.4							
165	21.1	4.74	4.60	6.51	9.90	15.2	17.5	17.9	16.5	15.4	18.7	21.9							
170	15.2	4.47	7.62	9.18	10.5	13.3	7.03	14.6	15.4	15.3	17.1	18.7							
175	5.89	4.58	10.8	12.0	12.1	12.5	4.73	11.7	14.2	15.0	15.6	15.8							
180	4.65	9.03	12.9	14.2	14.3	13.6	4.65	9.03	12.9	14.2	14.3	13.6							

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: