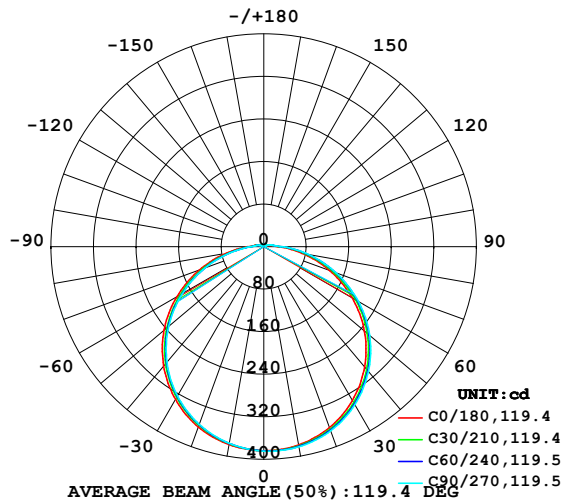


LUMINAIRE PHOTOMETRIC TEST REPORT

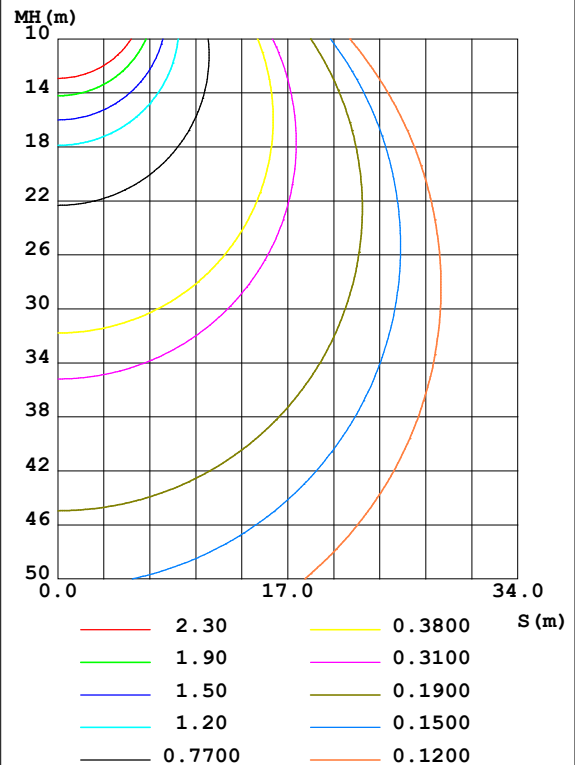
Test:U:120.5V I:0.2520A P:25.70W PF:0.8460 Freq:60.00Hz Lamp Flux:1282.28x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 49.89 lm/W			
MODEL		Imax(cd)	384.9	S/MH(C0/180)	1.29
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1282.3	η UP,DN(C0-180)	2.3,49.5
NOMINAL FLUX(lm)	1282.28	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.2,46.0
LAMPS INSIDE	1	η up(%)	4.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	95.5	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.020m [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	378.4	380.6	382.1	381.1	377.9	376.0	375.5	377.0	0- 10	36.41	36.41	2.84,2.84
20	362.0	366.1	368.4	366.2	360.7	356.9	355.5	358.3	10- 20	104.9	141.4	11,11
30	333.9	339.9	343.1	339.6	331.9	326.6	324.6	328.4	20- 30	160.9	302.3	23.6,23.6
40	295.2	302.7	306.4	301.9	293.0	286.0	283.4	288.3	30- 40	197.3	499.6	39,39
50	247.2	256.1	259.9	254.8	245.0	236.7	233.3	239.3	40- 50	209.6	709.2	55.3,55.3
60	191.8	201.7	205.7	200.0	188.4	179.7	177.1	182.7	50- 60	196.3	905.5	70.6,70.6
70	132.2	141.6	144.8	139.6	129.0	120.3	117.5	123.2	60- 70	159.4	1065	83,83
80	73.18	81.92	85.49	80.37	71.32	63.34	60.74	65.77	70- 80	107.1	1172	91.4,91.4
90	28.06	33.04	35.32	32.31	28.15	24.63	23.53	25.23	80- 90	52.98	1225	95.5,95.5
100	15.52	16.80	17.22	16.52	16.32	14.94	14.13	14.66	90-100	22.69	1248	97.3,97.3
110	7.953	10.16	9.530	9.425	8.732	8.416	7.420	8.329	100-110	12.86	1261	98.3,98.3
120	4.393	5.101	5.048	4.836	5.187	4.747	4.990	4.975	110-120	6.576	1267	98.8,98.8
130	4.458	3.890	4.073	4.251	4.915	4.692	5.089	4.996	120-130	4.083	1271	99.1,99.1
140	4.767	4.229	4.314	4.497	5.060	5.031	5.375	5.279	130-140	3.602	1275	99.4,99.4
150	5.149	4.767	4.617	4.774	5.211	5.333	5.658	5.245	140-150	3.096	1278	99.7,99.7
160	5.535	4.969	4.889	5.058	5.356	5.255	5.883	5.706	150-160	2.411	1280	99.8,99.8
170	5.575	4.824	4.806	4.957	5.204	5.049	5.077	5.555	160-170	1.492	1282	100,100
180	5.092	5.036	5.031	4.997	5.092	5.045	5.021	4.996	170-180	0.4831	1282	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 604.48 lm

%lum = 47.1%

%lamp = 47.1%

Conical surface Flux(120deg): 905.5 lm

%lum = 70.6%

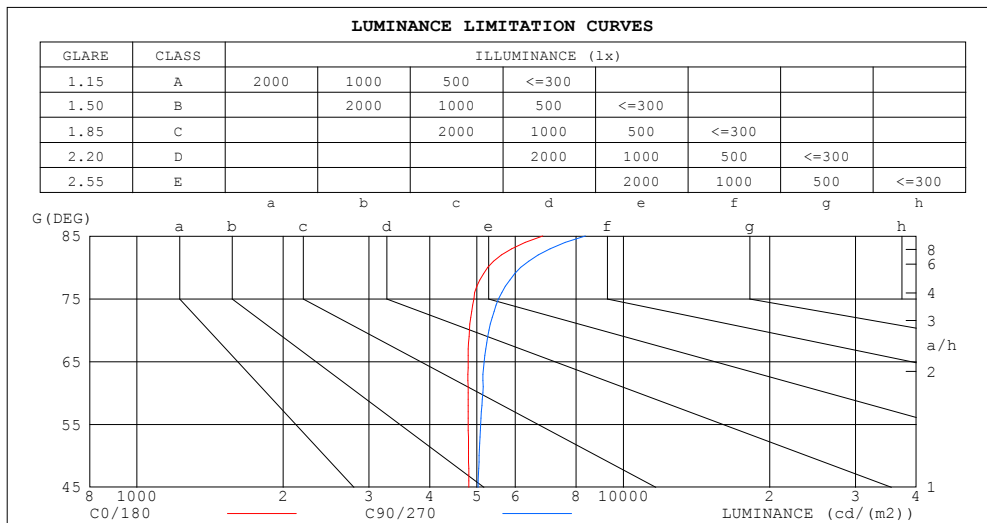
%lamp = 70.6%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.5V I:0.2520A P:25.70W PF:0.8460 Freq:60.00Hz Lamp Flux:1282.28x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6832	8352
80	5268	6154
75	4935	5541
70	4832	5292
65	4799	5174
60	4796	5143
55	4803	5094
50	4807	5055
45	4812	5027

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.020m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.5V I:0.2520A P:25.70W PF:0.8460 Freq:60.00Hz Lamp Flux:1282.28x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3000K)	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	.343	.195	.062	.334	.191	.061	.318	.183	.058	.303	.175	.056	.290	.168	.054		
2.0	.311	.171	.052	.304	.167	.052	.289	.161	.050	.276	.155	.049	.264	.149	.047		
3.0	.283	.151	.045	.276	.148	.045	.264	.143	.043	.252	.138	.042	.241	.133	.041		
4.0	.258	.134	.039	.252	.132	.039	.241	.128	.038	.231	.124	.037	.221	.120	.037		
5.0	.237	.121	.035	.232	.119	.035	.222	.115	.034	.212	.112	.033	.203	.109	.033		
6.0	.219	.110	.031	.214	.108	.031	.205	.105	.031	.196	.102	.030	.188	.099	.029		
7.0	.203	.100	.028	.199	.099	.028	.190	.096	.028	.183	.094	.027	.175	.091	.027		
8.0	.189	.092	.026	.185	.091	.026	.177	.089	.025	.171	.086	.025	.164	.084	.025		
9.0	.177	.085	.024	.173	.084	.024	.166	.082	.023	.160	.080	.023	.154	.078	.023		
10.0	.166	.079	.022	.162	.078	.022	.156	.077	.022	.150	.075	.021	.145	.073	.021		

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	.225	.225	.225	.192	.192	.192	.131	.131	.131	.075	.075	.075	.024	.024	.024	
1.0	.217	.190	.166	.186	.163	.143	.127	.112	.099	.073	.065	.057	.023	.021	.019	
2.0	.209	.166	.130	.179	.143	.113	.123	.099	.079	.071	.058	.046	.023	.019	.015	
3.0	.202	.149	.107	.173	.129	.093	.119	.089	.065	.069	.052	.038	.022	.017	.013	
4.0	.194	.136	.092	.166	.118	.080	.115	.082	.056	.066	.048	.033	.021	.016	.011	
5.0	.186	.126	.081	.160	.109	.071	.110	.076	.050	.064	.045	.030	.021	.015	.010	
6.0	.179	.118	.074	.154	.102	.064	.106	.071	.045	.062	.042	.027	.020	.014	.009	
7.0	.172	.111	.068	.148	.096	.059	.102	.067	.042	.059	.040	.025	.019	.013	.008	
8.0	.166	.105	.064	.142	.091	.055	.099	.064	.039	.057	.038	.023	.019	.012	.008	
9.0	.159	.100	.060	.137	.087	.053	.095	.061	.037	.055	.036	.022	.018	.012	.007	
10.0	.154	.096	.058	.132	.083	.050	.092	.059	.036	.054	.035	.021	.017	.011	.007	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.5V I:0.2520A P:25.70W PF:0.8460 Freq:60.00Hz Lamp Flux:1282.28x1 lm										
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3000K)						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	17.4	18.9	17.7	19.2	19.5	17.6	19.1	17.9	19.4	19.7
3H	19.1	20.5	19.5	20.9	21.2	19.5	20.9	19.9	21.2	21.5
4H	20.0	21.3	20.3	21.6	22.0	20.4	21.7	20.8	22.0	22.4
6H	20.7	21.9	21.1	22.3	22.7	21.2	22.5	21.6	22.8	23.2
8H	21.0	22.2	21.4	22.6	23.0	21.6	22.8	22.0	23.2	23.6
12H	21.3	22.5	21.8	22.9	23.3	22.0	23.2	22.4	23.5	23.9
4H 2H	18.1	19.4	18.5	19.8	20.1	18.3	19.6	18.7	19.9	20.3
3H	20.1	21.3	20.5	21.6	22.0	20.4	21.5	20.8	21.9	22.3
4H	21.1	22.1	21.5	22.5	23.0	21.4	22.5	21.9	22.9	23.3
6H	21.9	22.9	22.4	23.3	23.8	22.4	23.4	22.9	23.8	24.3
8H	22.4	23.2	22.8	23.7	24.2	22.9	23.8	23.4	24.2	24.7
12H	22.8	23.6	23.3	24.1	24.6	23.4	24.2	23.9	24.7	25.2
8H 4H	21.5	22.4	22.0	22.8	23.3	21.8	22.7	22.3	23.1	23.6
6H	22.6	23.4	23.1	23.8	24.4	23.0	23.8	23.5	24.2	24.8
8H	23.2	23.8	23.7	24.3	24.9	23.6	24.3	24.2	24.8	25.4
12H	23.7	24.3	24.3	24.8	25.4	24.3	24.9	24.9	25.4	26.0
12H 4H	21.5	22.4	22.0	22.8	23.3	21.8	22.7	22.3	23.1	23.6
6H	22.8	23.4	23.3	23.9	24.5	23.1	23.8	23.7	24.3	24.9
8H	23.4	24.0	24.0	24.5	25.1	23.9	24.4	24.4	25.0	25.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 1282 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.9$)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.5V I:0.2520A P:25.70W PF:0.8460 Freq:60.00Hz Lamp Flux:1282.28x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

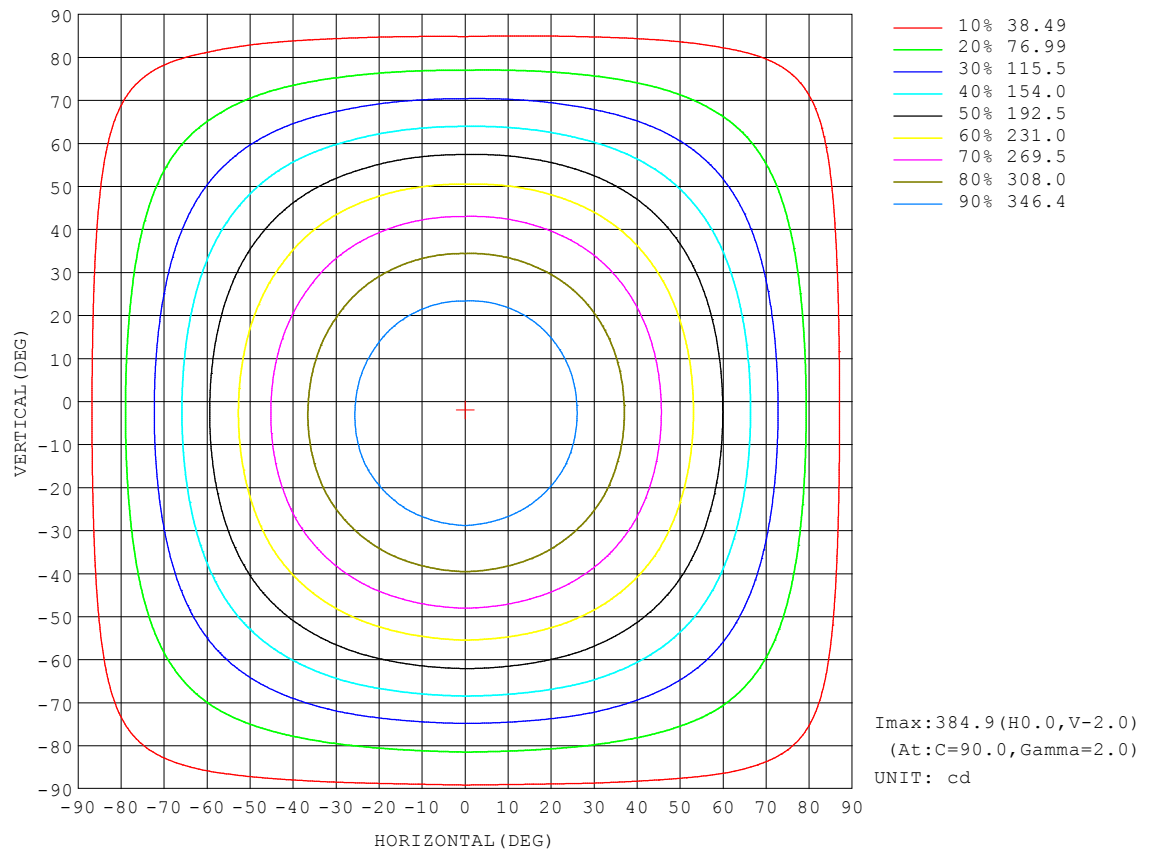
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	60	53	71	60	52	68	61	52	44
1.25	79	68	60	77	67	60	74	65	59	51
1.50	84	73	66	82	72	65	79	70	64	56
2.00	91	82	75	89	80	74	85	78	72	63
2.50	95	87	80	93	85	79	89	82	77	67
3.00	99	91	85	96	89	84	92	86	81	71
4.00	103	97	91	100	95	90	95	91	87	76
5.00	106	100	96	103	98	94	98	94	90	79
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:2023-05-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.5V I:0.2520A P:25.70W PF:0.8460 Freq:60.00Hz Lamp Flux:1282.28x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

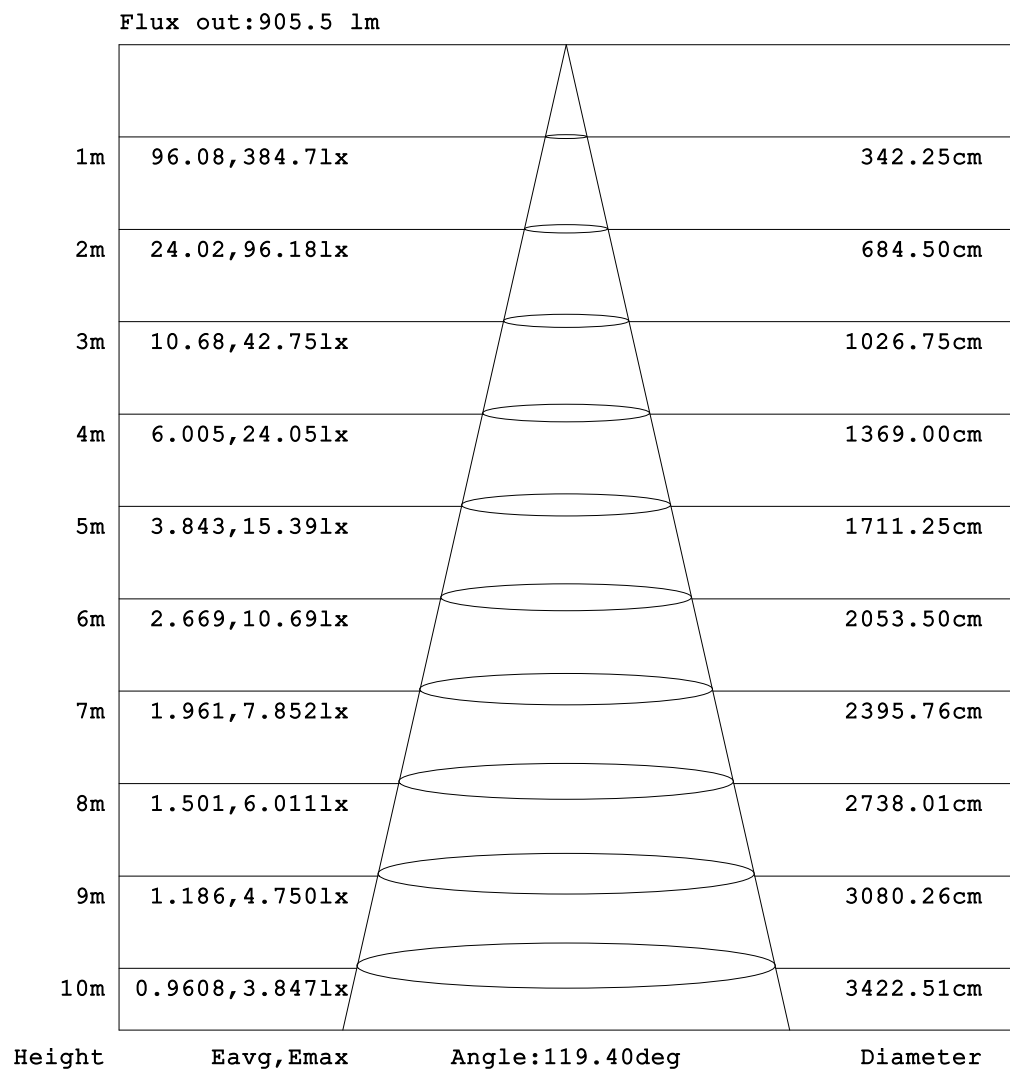


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.5V I:0.2520A P:25.70W PF:0.8460 Freq:60.00Hz Lamp Flux:1282.28x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

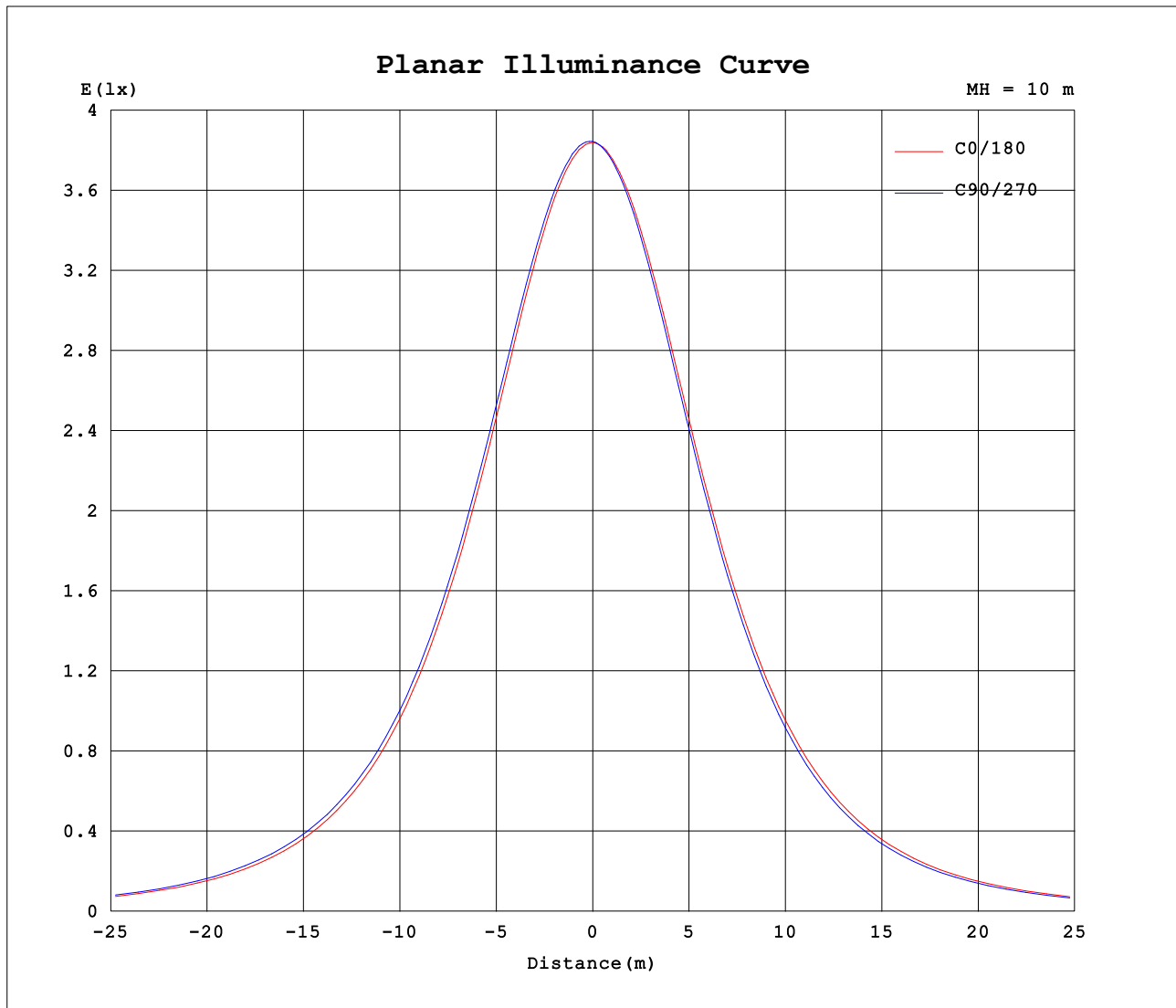


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.020m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-05-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.5V I:0.2520A P:25.70W PF:0.8460 Freq:60.00Hz Lamp Flux:1282.28x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3000K)	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	384	384	384	384	385	385	384	384	384	384	385	385							
5	382	383	384	385	385	384	382	381	381	381	382	382							
10	378	380	381	382	382	381	378	376	376	375	376	378							
15	372	374	376	377	376	374	371	368	367	367	368	370							
20	362	365	367	368	367	365	361	358	356	356	357	359							
25	349	353	356	357	356	353	348	344	342	341	343	346							
30	334	339	341	343	341	338	332	328	325	325	327	330							
35	316	321	324	326	324	320	314	309	306	305	308	312							
40	295	301	304	306	304	300	293	287	285	283	286	290							
45	272	279	283	284	282	277	270	264	261	259	263	267							
50	247	254	258	260	257	252	245	238	235	233	237	241							
55	220	228	232	234	231	226	218	211	208	206	210	214							
60	192	200	204	206	202	198	188	182	178	177	180	185							
65	162	169	174	175	173	167	159	152	148	147	150	156							
70	132	139	144	145	143	137	129	122	118	117	121	126							
75	102	109	114	115	112	107	99.5	92.2	89.3	87.8	91.3	95.5							
80	73.2	79.9	83.9	85.5	82.6	78.1	71.3	64.7	62.0	60.7	63.9	67.7							
85	47.6	53.7	56.9	58.2	55.7	51.8	46.0	40.7	38.7	37.6	40.1	43.1							
90	28.1	31.9	34.2	35.3	33.5	31.1	28.1	25.2	24.0	23.5	24.6	25.9							
95	19.5	21.1	22.3	22.6	21.8	21.0	20.4	19.0	18.2	17.7	18.1	18.8							
100	15.5	16.6	17.0	17.2	16.8	16.3	16.3	15.3	14.6	14.1	14.4	15.0							
105	11.6	12.8	13.7	13.4	12.6	12.8	12.4	11.7	11.2	9.90	11.1	11.5							
110	7.95	9.69	10.6	9.53	9.20	9.65	8.73	8.64	8.19	7.42	8.30	8.35							
115	5.67	6.96	7.74	6.98	6.60	6.89	6.55	6.25	5.94	5.66	6.11	6.09							
120	4.39	4.81	5.39	5.05	4.76	4.91	5.19	4.73	4.76	4.99	4.97	4.98							
125	4.33	3.89	3.96	4.10	4.18	4.20	4.88	4.56	4.70	4.94	4.82	4.98							
130	4.46	3.96	3.82	4.07	4.23	4.27	4.92	4.57	4.81	5.09	4.91	5.08							
135	4.60	4.16	3.89	4.17	4.35	4.38	4.98	4.70	4.97	5.23	5.22	5.21							
140	4.77	4.40	4.05	4.31	4.49	4.51	5.06	4.89	5.17	5.37	5.38	5.18							
145	4.96	4.65	4.29	4.46	4.63	4.64	5.14	5.09	5.36	5.51	5.51	4.95							
150	5.15	4.89	4.64	4.62	4.77	4.78	5.21	5.13	5.53	5.66	5.65	4.84							
155	5.35	5.14	4.88	4.79	4.91	4.92	5.30	4.96	5.66	5.78	5.78	5.23							
160	5.54	5.38	4.56	4.89	5.06	5.06	5.36	5.06	5.45	5.88	5.90	5.51							
165	5.68	5.29	4.64	4.84	5.08	5.10	5.33	5.09	5.00	5.95	5.96	5.51							
170	5.57	4.84	4.81	4.81	4.96	4.96	5.20	5.05	5.04	5.08	5.79	5.32							
175	5.07	4.95	4.94	4.93	4.91	4.90	5.10	5.08	5.05	5.04	5.16	5.11							
180	5.09	5.04	5.03	5.03	5.00	4.99	5.09	5.06	5.03	5.02	5.00	5.00							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.020m [K=1.0000]
Remarks: