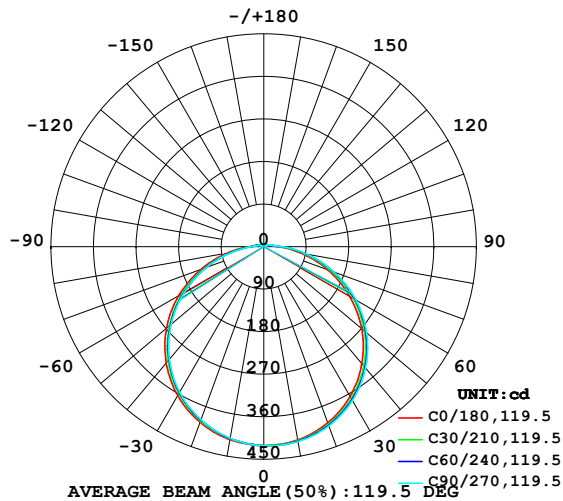


LUMINAIRE PHOTOMETRIC TEST REPORT

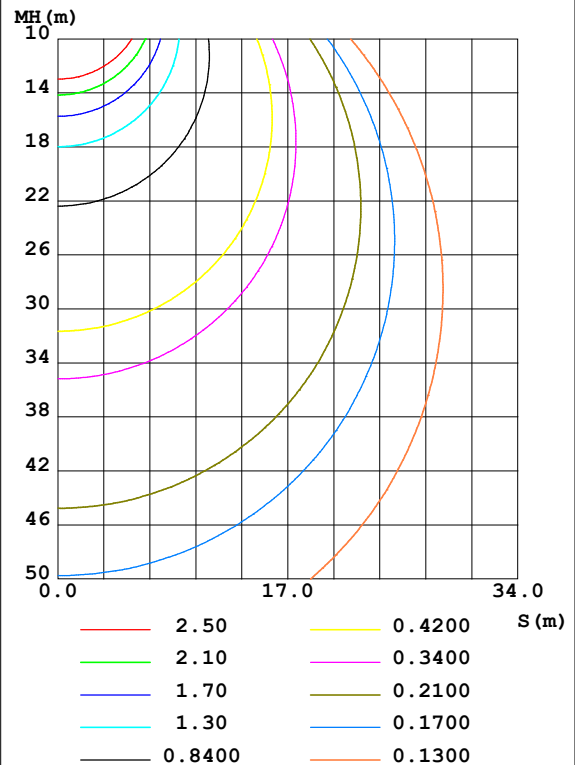
Test:U:120.5V I:0.2510A P:26.10W PF:0.8640 Freq:60.00Hz Lamp Flux:1403.83x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3500K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 53.79 lm/W			
MODEL		Imax(cd)	421.8	S/MH(C0/180)	1.29
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1403.8	η UP,DN(C0-180)	2.3,49.5
NOMINAL FLUX(lm)	1403.83	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:2023-05-03

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	414.9	417.2	418.5	417.2	414.5	412.3	411.4	412.8	0- 10	39.89	39.89	2.84,2.84
20	396.6	401.0	403.5	400.7	395.3	391.0	389.6	392.4	10- 20	115.0	154.9	11,11
30	365.9	372.1	375.6	371.5	364.0	358.0	355.8	359.6	20- 30	176.3	331.1	23.6,23.6
40	323.2	331.2	335.1	330.2	321.1	313.4	310.8	315.4	30- 40	216.1	547.2	39,39
50	270.5	280.1	284.4	278.7	268.7	259.3	256.2	262.1	40- 50	229.4	776.7	55.3,55.3
60	209.9	220.5	224.6	218.5	207.9	197.3	194.1	201.0	50- 60	215.0	991.6	70.6,70.6
70	144.5	154.5	158.1	152.6	141.6	131.8	128.8	135.1	60- 70	174.6	1166	83.1,83.1
80	79.76	89.28	93.14	87.82	78.29	69.41	66.70	72.25	70- 80	117.2	1283	91.4,91.4
90	30.48	35.81	38.38	35.22	30.84	26.83	25.70	27.56	80- 90	57.85	1341	95.5,95.5
100	16.81	18.14	18.73	18.16	17.82	16.22	15.34	16.17	90-100	24.71	1366	97.3,97.3
110	8.622	11.00	10.34	10.58	9.597	9.126	8.089	9.385	100-110	14.06	1380	98.3,98.3
120	4.737	5.563	5.434	5.469	5.679	5.168	5.440	5.490	110-120	7.237	1387	98.8,98.8
130	4.818	4.187	4.401	4.595	5.369	5.121	5.561	5.403	120-130	4.449	1392	99.1,99.1
140	5.156	4.566	4.658	4.870	5.513	5.481	5.857	5.721	130-140	3.908	1396	99.4,99.4
150	5.571	5.153	4.993	5.168	5.658	5.807	6.162	5.687	140-150	3.358	1399	99.7,99.7
160	5.992	5.380	5.291	5.479	5.812	5.717	6.407	6.175	150-160	2.614	1402	99.8,99.8
170	6.041	5.230	5.208	5.401	5.641	5.486	5.534	6.019	160-170	1.618	1403	100,100
180	5.529	5.463	5.462	5.421	5.516	5.471	5.458	5.412	170-180	0.5240	1404	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 662.01 lm

%lum = 47.2%

%lamp = 47.2%

Conical surface Flux(120deg): 991.62 lm

%lum = 70.6%

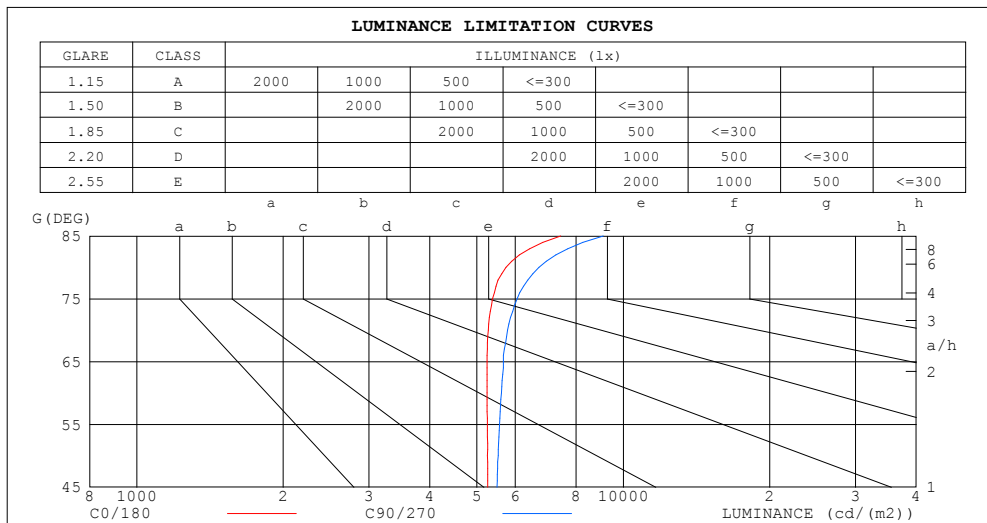
%lamp = 70.6%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-03

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:0.2510A P:26.10W PF:0.8640 Freq:60.00Hz Lamp Flux:1403.83x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 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	7436	9098
80	5741	6705
75	5389	6047
70	5280	5780
65	5251	5672
60	5248	5616
55	5253	5570
50	5259	5531
45	5267	5497

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-03

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:0.2510A P:26.10W PF:0.8640 Freq:60.00Hz Lamp Flux:1403.83x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 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	.343	.195	.062	.334	.191	.061	.318	.182	.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	.178	.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	.224	.224	.224	.192	.192	.192	.131	.131	.131	.075	.075	.075	.024	.024	.024	
1.0	.217	.190	.166	.185	.163	.143	.127	.112	.099	.073	.065	.057	.023	.021	.019	
2.0	.209	.166	.130	.179	.143	.112	.123	.099	.078	.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	.117	.080	.114	.082	.056	.066	.048	.033	.021	.016	.011	
5.0	.186	.126	.081	.160	.109	.070	.110	.076	.050	.064	.045	.030	.021	.015	.010	
6.0	.179	.117	.073	.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	.165	.105	.063	.142	.091	.055	.099	.064	.039	.057	.038	.023	.019	.012	.008	
9.0	.159	.100	.060	.137	.087	.052	.095	.061	.037	.055	.036	.022	.018	.012	.007	
10.0	.153	.096	.057	.132	.083	.050	.092	.059	.036	.053	.035	.021	.017	.011	.007	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-03

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:0.2510A P:26.10W PF:0.8640 Freq:60.00Hz Lamp Flux:1403.83x1 lm										
NAME: AFX-DCF14-26DOB-95C-120D-BL1 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	17.4	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	19.8	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	22.4	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	21.7	22.9	23.3	22.0	23.1	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	21.2	20.5	21.6	22.0	20.4	21.5	20.8	21.9	22.3
4H	21.0	22.1	21.5	22.5	22.9	21.4	22.5	21.8	22.9	23.3
6H	21.9	22.9	22.4	23.3	23.8	22.4	23.3	22.9	23.8	24.2
8H	22.3	23.2	22.8	23.7	24.2	22.9	23.8	23.4	24.2	24.7
12H	22.7	23.6	23.2	24.0	24.5	23.4	24.2	23.9	24.6	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	23.3	23.1	23.8	24.3	23.0	23.7	23.5	24.2	24.8
8H	23.1	23.8	23.7	24.3	24.9	23.6	24.3	24.1	24.8	25.3
12H	23.7	24.3	24.3	24.8	25.4	24.3	24.9	24.8	25.4	26.0
12H 4H	21.5	22.4	22.0	22.8	23.3	21.8	22.6	22.3	23.1	23.6
6H	22.7	23.4	23.3	23.9	24.5	23.1	23.8	23.7	24.3	24.8
8H	23.4	24.0	23.9	24.5	25.1	23.8	24.4	24.4	24.9	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	+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 1404 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.2$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-03

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:0.2510A P:26.10W PF:0.8640 Freq:60.00Hz Lamp Flux:1403.83x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3500K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

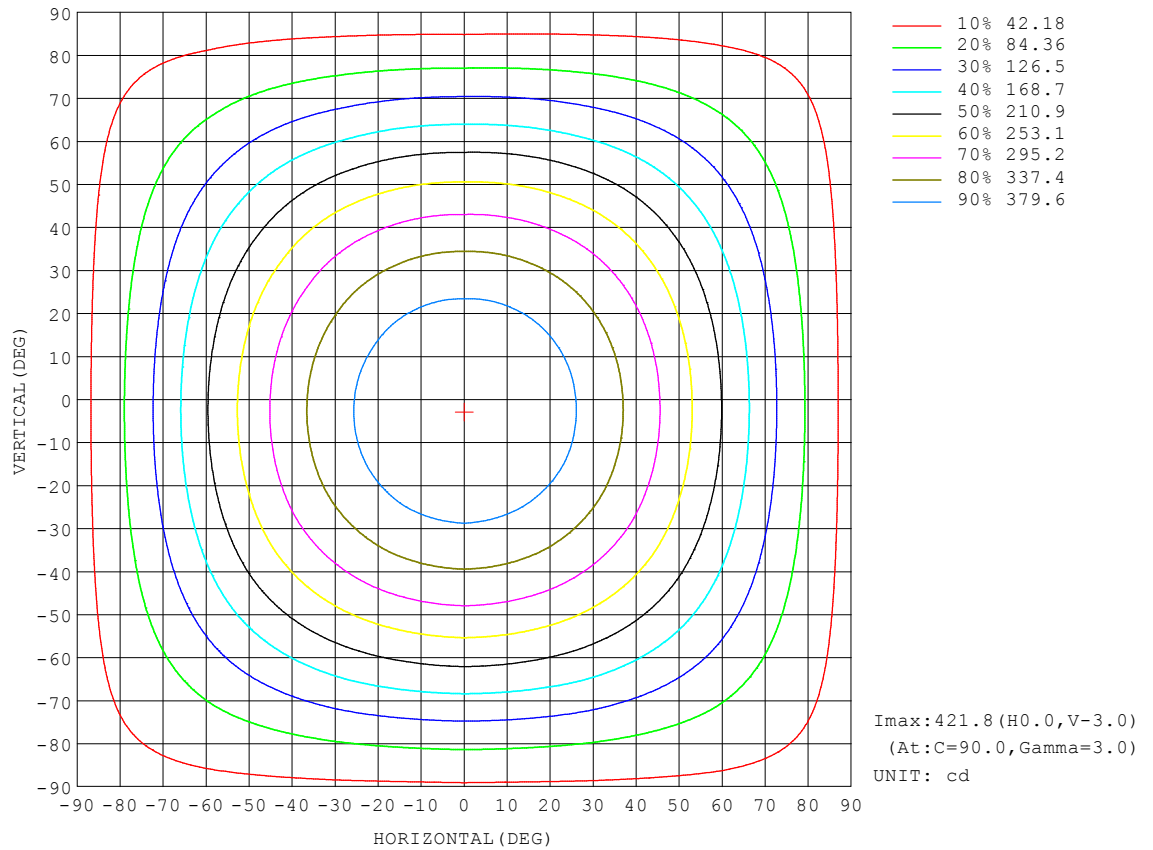
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	60	53	71	60	52	68	61	52	44
1.25	79	68	60	78	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:2023-05-03

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:0.2510A P:26.10W PF:0.8640 Freq:60.00Hz Lamp Flux:1403.83x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3500K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

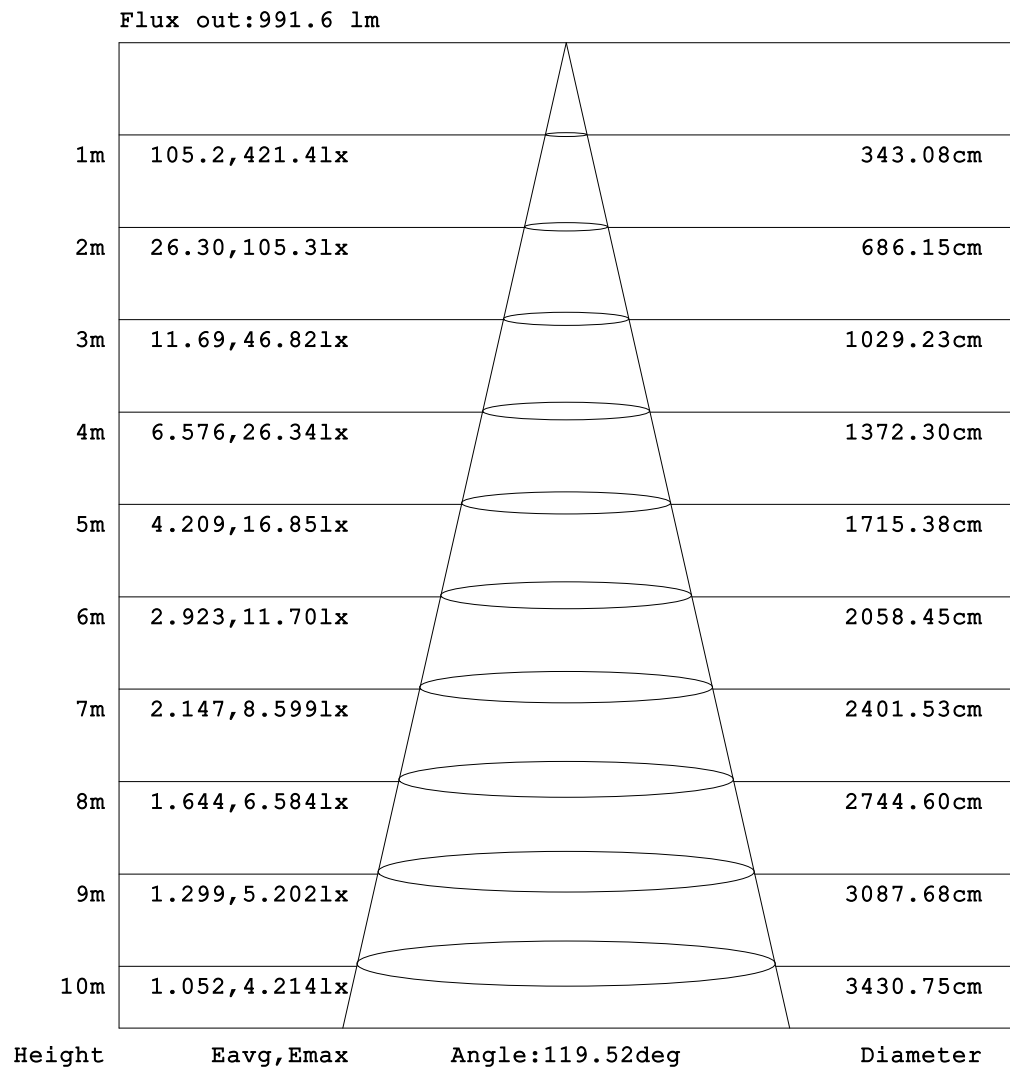


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-03

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:0.2510A P:26.10W PF:0.8640 Freq:60.00Hz Lamp Flux:1403.83x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (3500K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

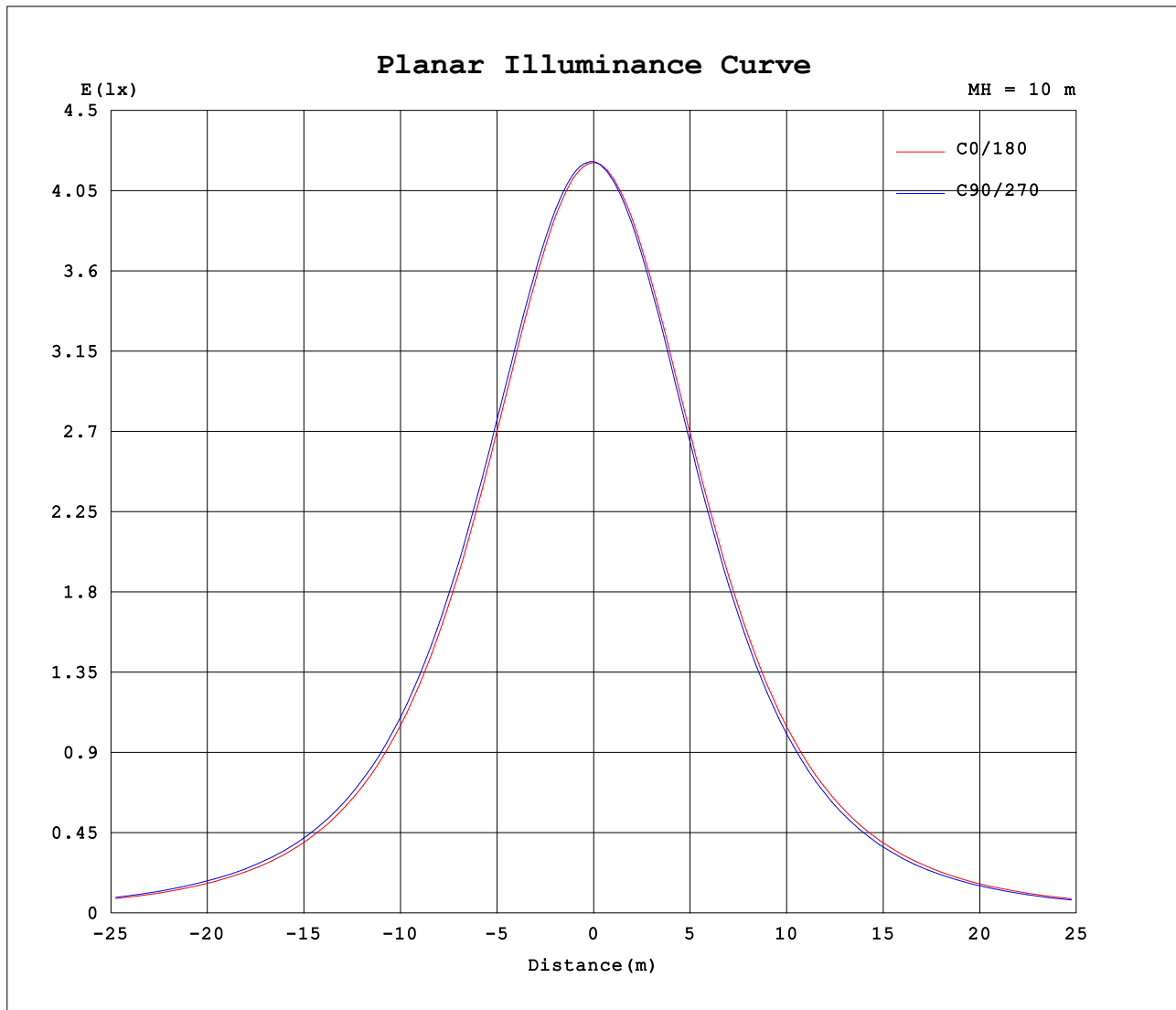


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-03

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: 2023-05-03

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:0.2510A P:26.10W PF:0.8640 Freq:60.00Hz Lamp Flux:1403.83x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 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	421	421	421	421	421	421	421	421	421	421	421	421							
5	419	420	421	422	421	420	419	418	418	418	418	419							
10	415	417	418	418	418	416	414	413	412	411	412	413							
15	407	410	411	413	412	409	406	404	403	402	403	405							
20	397	400	402	403	402	399	395	392	390	390	391	394							
25	383	387	389	391	389	386	381	377	375	374	376	379							
30	366	371	374	376	373	370	364	359	357	356	358	361							
35	346	351	355	357	354	350	344	339	336	335	337	341							
40	323	329	333	335	332	328	321	315	312	311	313	318							
45	298	305	309	311	308	303	296	289	286	284	288	292							
50	270	278	282	284	281	276	269	261	258	256	260	264							
55	241	249	253	256	252	247	239	231	228	226	230	235							
60	210	218	223	225	221	216	208	199	195	194	199	203							
65	178	185	190	192	189	182	174	167	162	162	165	171							
70	144	152	157	158	156	149	142	134	130	129	132	138							
75	112	119	124	125	123	117	109	102	97.8	96.7	100	106							
80	79.8	87.1	91.4	93.1	90.2	85.5	78.3	70.9	67.9	66.7	70.2	74.3							
85	51.8	58.2	61.8	63.4	60.7	56.8	50.5	44.5	42.4	41.2	43.9	47.2							
90	30.5	34.5	37.1	38.4	36.5	33.9	30.8	27.5	26.2	25.7	26.8	28.3							
95	21.1	22.8	24.1	24.6	23.9	22.9	22.3	20.7	19.7	19.3	19.8	20.6							
100	16.8	17.9	18.4	18.7	18.4	17.9	17.8	16.6	15.9	15.3	15.8	16.5							
105	12.6	13.8	14.8	14.6	14.0	14.2	13.6	12.7	12.2	10.8	12.3	12.8							
110	8.62	10.5	11.5	10.3	10.3	10.8	9.60	9.35	8.91	8.09	9.31	9.46							
115	6.16	7.61	8.37	7.54	7.48	7.77	7.19	6.76	6.47	6.19	6.85	6.92							
120	4.74	5.29	5.83	5.43	5.38	5.56	5.68	5.14	5.20	5.44	5.46	5.51							
125	4.69	4.19	4.28	4.44	4.52	4.56	5.32	4.97	5.13	5.47	5.27	5.42							
130	4.82	4.27	4.11	4.40	4.57	4.62	5.37	4.99	5.25	5.56	5.28	5.53							
135	4.98	4.51	4.19	4.52	4.71	4.74	5.43	5.14	5.42	5.70	5.64	5.66							
140	5.16	4.77	4.37	4.66	4.86	4.88	5.51	5.33	5.63	5.86	5.83	5.61							
145	5.36	5.03	4.63	4.82	5.00	5.02	5.64	5.55	5.84	6.01	5.97	5.38							
150	5.57	5.30	5.00	4.99	5.16	5.18	5.66	5.60	6.02	6.16	6.12	5.25							
155	5.79	5.58	5.27	5.18	5.31	5.33	5.75	5.39	6.16	6.30	6.26	5.67							
160	5.99	5.84	4.92	5.29	5.47	5.48	5.81	5.50	5.93	6.41	6.38	5.97							
165	6.16	5.75	5.02	5.24	5.49	5.54	5.78	5.54	5.44	6.47	6.45	5.97							
170	6.04	5.27	5.19	5.21	5.36	5.44	5.64	5.49	5.48	5.53	6.27	5.77							
175	5.50	5.39	5.34	5.34	5.33	5.31	5.54	5.51	5.49	5.48	5.56	5.55							
180	5.53	5.48	5.44	5.46	5.43	5.41	5.52	5.48	5.46	5.46	5.41	5.41							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-03

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: