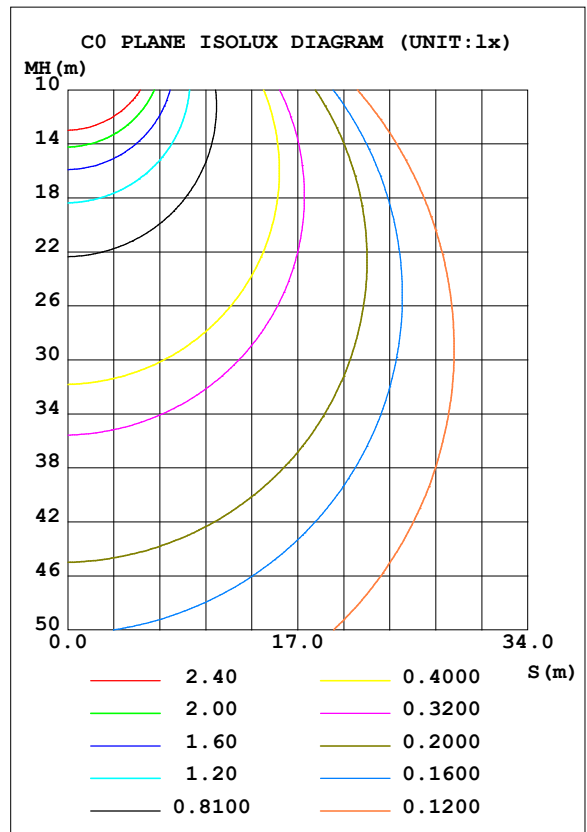
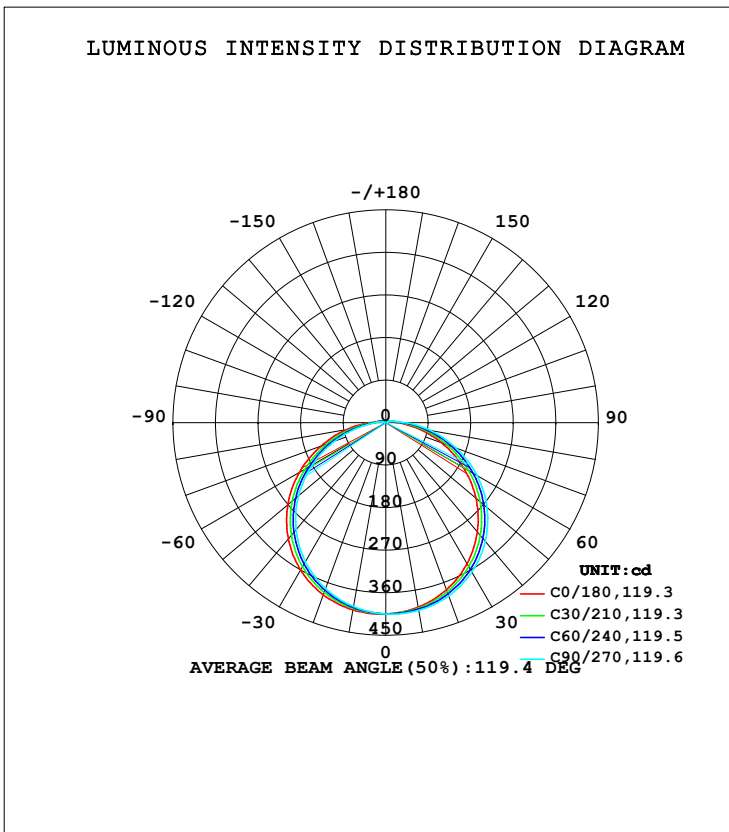


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2510A P:25.70W PF:0.8480 Freq:60.00Hz Lamp Flux:1350.24x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 52.54 lm/W			
MODEL		I _{max} (cd)	406.8	S/MH (C0/180)	1.32
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1350.2	η UP, DN (C0-180)	2.3, 50.0
NOMINAL FLUX (lm)	1350.24	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.1, 45.6
LAMPS INSIDE	1	η up (%)	4.4	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)		η down (%)	95.6	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-05-04

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	395.9	399.5	403.0	404.5	401.8	398.0	394.9	395.3	0- 10	38.38	38.38	2.84,2.84
20	376.0	383.2	389.9	392.1	387.5	379.7	373.6	373.2	10- 20	110.7	149.1	11,11
30	344.3	354.9	364.7	367.2	360.2	348.8	339.9	339.7	20- 30	170.0	319.1	23.6,23.6
40	301.6	315.4	327.5	329.9	320.8	306.4	295.2	295.4	30- 40	208.7	527.8	39.1,39.1
50	249.3	265.7	279.5	281.8	270.8	253.6	241.0	241.2	40- 50	221.5	749.4	55.5,55.5
60	189.5	207.7	222.8	224.8	211.7	192.2	179.5	179.4	50- 60	207.0	956.4	70.8,70.8
70	126.3	144.2	158.7	160.6	146.6	127.9	115.5	116.1	60- 70	167.4	1124	83.2,83.2
80	66.21	82.25	95.40	96.56	83.76	66.91	56.14	57.53	70- 80	111.7	1235	91.5,91.5
90	24.96	32.82	41.22	41.35	32.96	25.59	22.75	22.83	80- 90	55.29	1291	95.6,95.6
100	14.78	16.75	18.52	18.46	16.83	14.74	14.03	14.22	90-100	23.63	1314	97.3,97.3
110	7.701	10.17	10.41	11.35	9.381	8.489	7.446	7.932	100-110	13.13	1327	98.3,98.3
120	4.348	5.440	5.659	6.054	5.460	5.266	5.221	4.925	110-120	6.994	1334	98.8,98.8
130	4.214	4.491	4.398	4.050	4.944	5.344	5.365	4.960	120-130	4.348	1339	99.2,99.2
140	4.471	4.722	4.639	4.333	5.057	5.531	5.584	5.206	130-140	3.731	1343	99.4,99.4
150	4.822	4.992	4.948	4.544	5.275	5.700	5.802	5.407	140-150	3.182	1346	99.7,99.7
160	5.198	5.314	5.263	4.753	5.507	5.754	5.899	5.492	150-160	2.442	1348	99.8,99.8
170	5.535	5.561	5.073	4.981	5.522	5.761	5.603	5.274	160-170	1.532	1350	100,100
180	5.394	5.362	5.314	5.240	5.397	5.360	5.317	5.235	170-180	0.5105	1350	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 638.69 lm

%lum = 47.3%

%lamp = 47.3%

Conical surface Flux(120deg): 956.37 lm

%lum = 70.8%

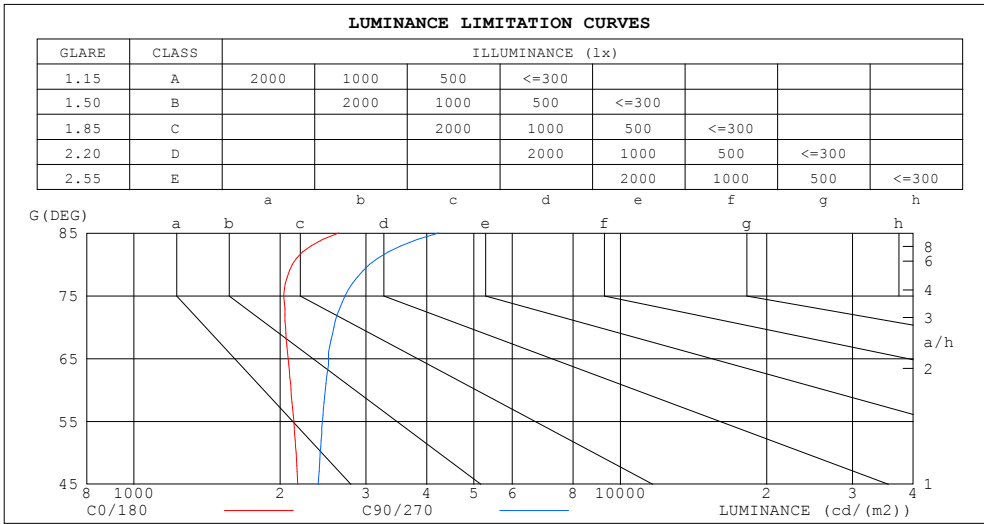
%lamp = 70.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-04

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:25.70W PF:0.8480 Freq:60.00Hz Lamp Flux:1350.24x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 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	2638	4233
80	2118	3052
75	2034	2719
70	2051	2578
65	2077	2513
60	2106	2475
55	2133	2442
50	2155	2416
45	2172	2395

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-04

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:25.70W PF:0.8480 Freq:60.00Hz Lamp Flux:1350.24x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.342	.194	.062	.333	.190	.060	.317	.182	.058	.303	.175	.056	.289	.168	.054	
2.0	.311	.170	.052	.303	.167	.051	.289	.161	.050	.276	.155	.048	.264	.149	.047	
3.0	.283	.150	.045	.276	.148	.044	.263	.143	.043	.252	.138	.042	.241	.133	.041	
4.0	.258	.134	.039	.252	.132	.039	.241	.128	.038	.230	.124	.037	.221	.120	.037	
5.0	.237	.121	.035	.232	.119	.035	.221	.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	.198	.099	.028	.190	.096	.028	.182	.094	.027	.175	.091	.027	
8.0	.189	.092	.026	.185	.091	.026	.177	.089	.025	.170	.086	.025	.164	.084	.025	
9.0	.176	.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	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.224	.224	.224	.191	.191	.191	.131	.131	.131	.075	.075	.075	.024	.024	.024	
1.0	.216	.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	.057	.046	.023	.019	.015	
3.0	.201	.149	.107	.172	.128	.093	.118	.089	.065	.068	.052	.038	.022	.017	.013	
4.0	.193	.136	.091	.166	.117	.079	.114	.082	.056	.066	.048	.033	.021	.016	.011	
5.0	.186	.125	.081	.160	.108	.070	.110	.076	.050	.064	.044	.029	.021	.015	.010	
6.0	.179	.117	.073	.154	.101	.064	.106	.071	.045	.061	.042	.027	.020	.014	.009	
7.0	.172	.110	.067	.148	.096	.059	.102	.067	.042	.059	.040	.025	.019	.013	.008	
8.0	.165	.105	.063	.142	.091	.055	.098	.064	.039	.057	.038	.023	.018	.012	.008	
9.0	.159	.100	.060	.137	.087	.052	.095	.061	.037	.055	.036	.022	.018	.012	.007	
10.0	.153	.095	.057	.132	.083	.050	.092	.058	.035	.053	.034	.021	.017	.011	.007	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-04

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:25.70W PF:0.8480 Freq:60.00Hz Lamp Flux:1350.24x1 lm										
NAME: AFX-DCF14-26DOB-95C-120D-NS 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	14.3	15.8	14.6	16.1	16.4	14.9	16.4	15.2	16.6	16.9
3H	15.9	17.3	16.3	17.7	18.0	16.8	18.2	17.1	18.5	18.8
4H	16.7	18.0	17.1	18.3	18.7	17.7	19.0	18.1	19.4	19.7
6H	17.3	18.6	17.7	18.9	19.3	18.6	19.8	19.0	20.2	20.5
8H	17.6	18.8	18.0	19.2	19.6	19.0	20.2	19.4	20.6	20.9
12H	17.9	19.0	18.3	19.4	19.8	19.4	20.6	19.8	20.9	21.4
4H 2H	15.0	16.4	15.4	16.7	17.0	15.5	16.8	15.8	17.1	17.5
3H	16.9	18.1	17.3	18.5	18.9	17.6	18.8	18.0	19.1	19.5
4H	17.8	18.9	18.2	19.3	19.7	18.7	19.7	19.1	20.1	20.6
6H	18.6	19.6	19.1	20.0	20.5	19.7	20.7	20.2	21.1	21.5
8H	19.0	19.8	19.4	20.3	20.8	20.2	21.1	20.7	21.5	22.0
12H	19.3	20.1	19.8	20.6	21.1	20.7	21.6	21.2	22.0	22.5
8H 4H	18.3	19.1	18.7	19.6	20.1	19.0	19.9	19.5	20.3	20.8
6H	19.3	20.0	19.8	20.5	21.0	20.2	21.0	20.8	21.5	22.0
8H	19.8	20.5	20.3	21.0	21.5	20.9	21.6	21.4	22.1	22.6
12H	20.3	20.9	20.8	21.4	22.0	21.6	22.2	22.2	22.7	23.3
12H 4H	18.3	19.2	18.8	19.6	20.1	19.0	19.8	19.5	20.3	20.8
6H	19.5	20.1	20.0	20.6	21.2	20.4	21.0	20.9	21.5	22.1
8H	20.0	20.6	20.6	21.1	21.7	21.1	21.7	21.6	22.2	22.8
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, 1350 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.0)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-04

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:25.70W PF:0.8480 Freq:60.00Hz Lamp Flux:1350.24x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

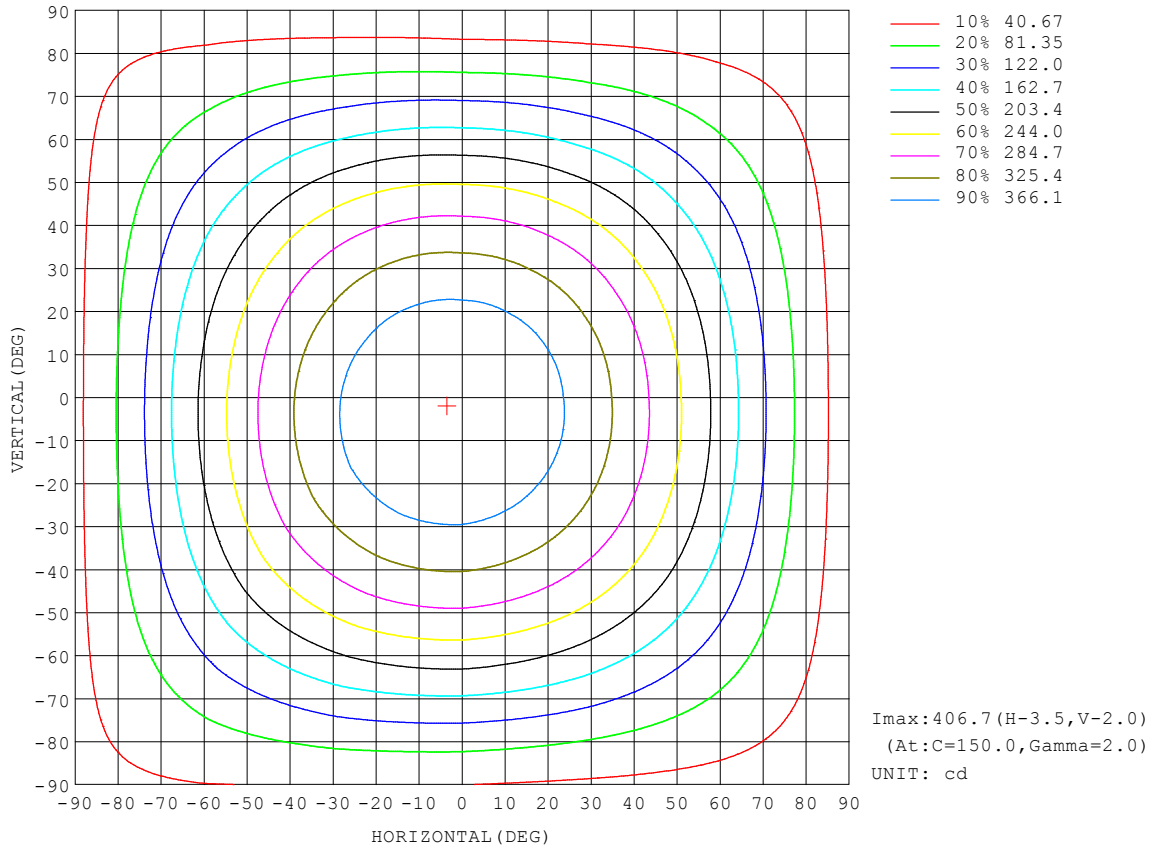
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	60	53	71	60	52	68	61	52	44
1.25	79	68	60	78	67	60	74	65	59	51
1.50	84	74	66	82	73	65	79	70	64	56
2.00	91	82	75	89	80	74	85	78	72	63
2.50	96	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	101	95	90	96	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:2023-05-04

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:25.70W PF:0.8480 Freq:60.00Hz Lamp Flux:1350.24x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

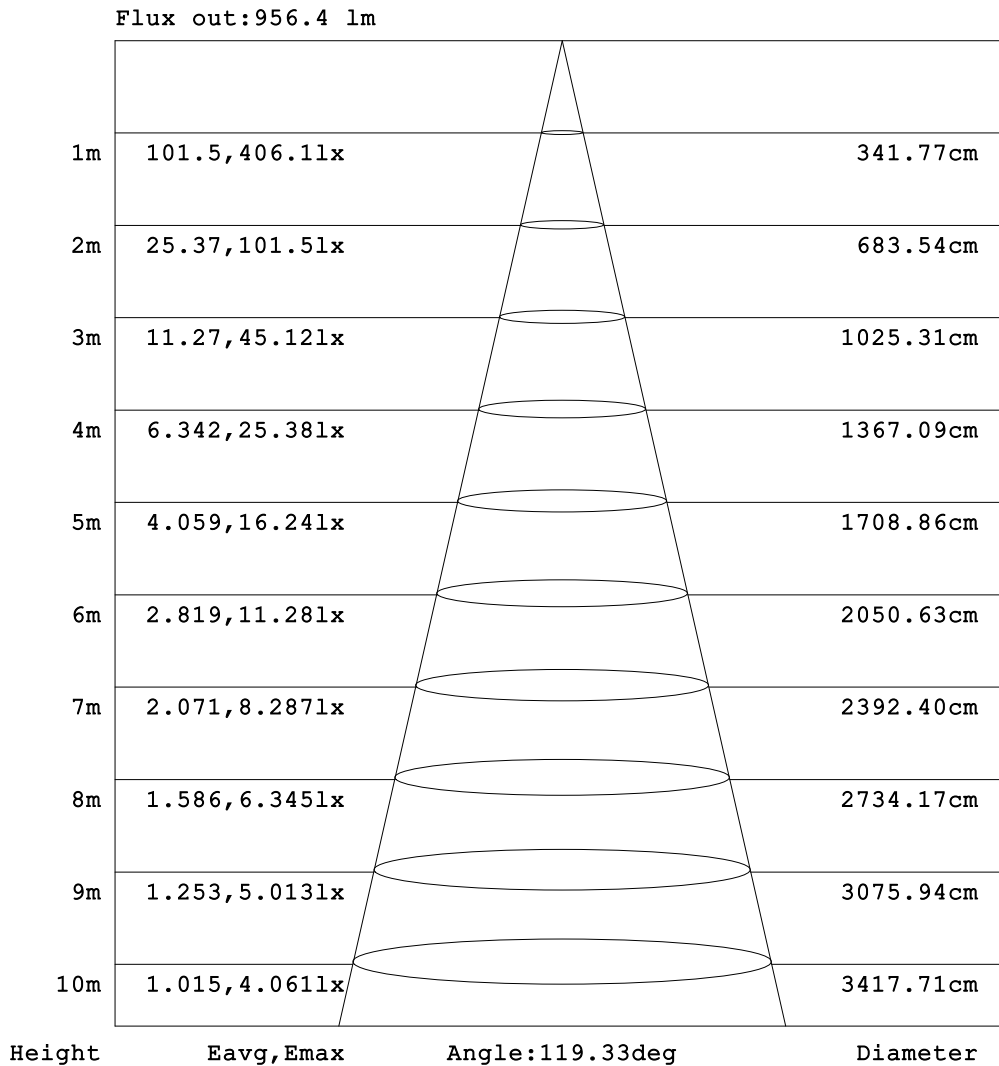


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-05-04

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:25.70W PF:0.8480 Freq:60.00Hz Lamp Flux:1350.24x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 草星	SUR.:14寸	Shielding Angle:

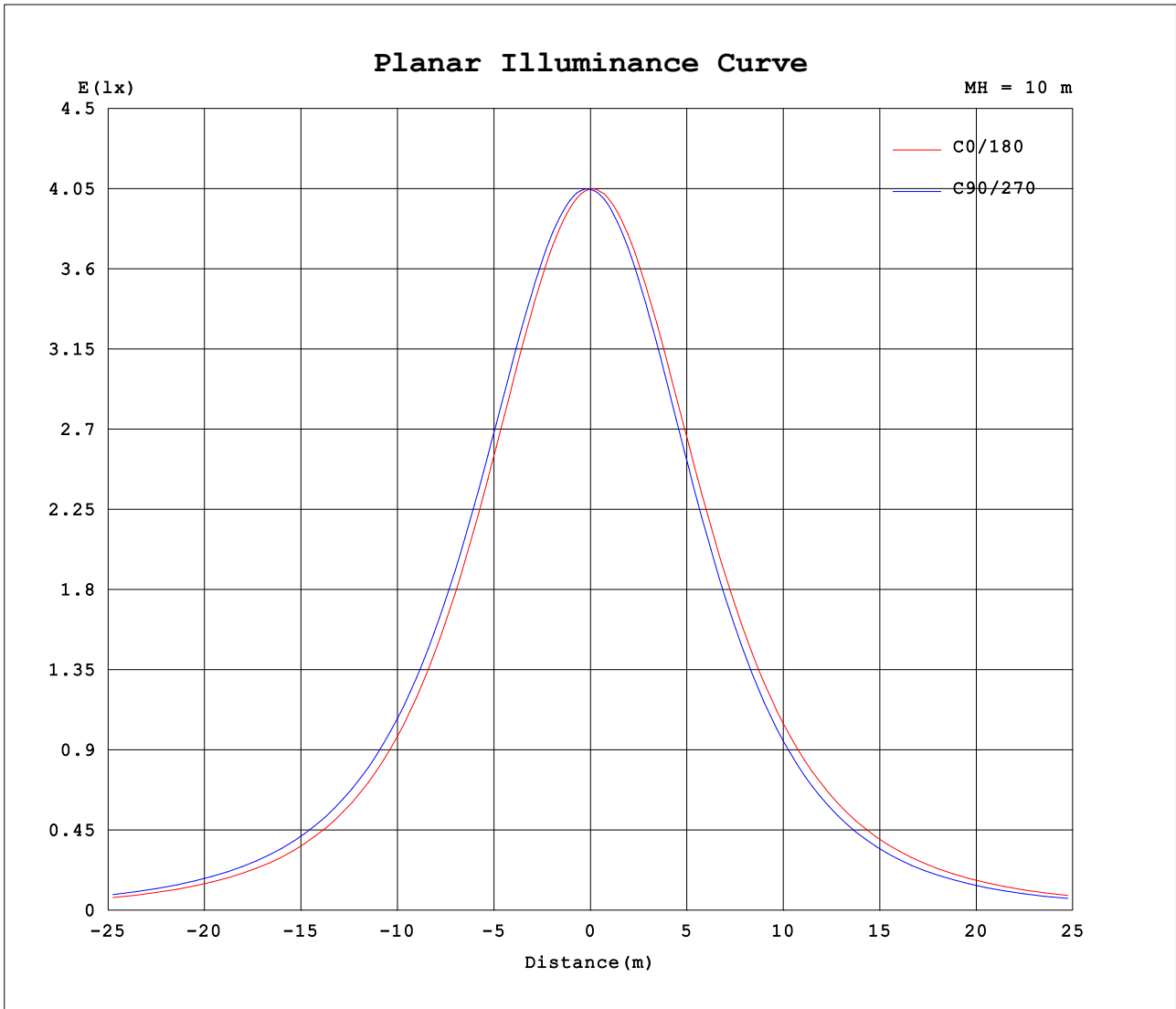


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-04

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: 2023-05-04

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:25.70W PF:0.8480 Freq:60.00Hz Lamp Flux:1350.24x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 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	405	404	404	405	405	406	405	404	404	405	405	406							
5	402	403	404	405	406	407	405	403	402	401	402	402							
10	396	398	401	403	404	405	402	399	397	395	395	396							
15	388	391	394	398	400	400	396	392	389	386	385	386							
20	376	381	385	390	392	392	388	382	377	374	373	374							
25	362	367	373	379	381	381	375	369	363	358	357	358							
30	344	351	358	365	367	367	360	352	345	340	339	341							
35	324	333	340	348	350	350	342	333	325	319	318	320							
40	302	311	320	328	330	329	321	311	302	295	294	296							
45	276	287	296	305	308	307	297	286	277	269	268	271							
50	249	261	271	280	283	281	271	258	249	241	240	243							
55	220	232	243	252	255	253	242	229	219	211	210	213							
60	190	202	213	223	226	224	212	198	187	179	177	182							
65	158	170	182	191	195	192	179	165	155	147	146	150							
70	126	138	150	159	163	159	147	133	123	116	114	118							
75	94.7	107	118	127	130	126	114	101	91.8	84.2	83.7	87.0							
80	66.2	77.5	87.0	95.4	98.3	94.8	83.8	71.0	62.8	56.1	55.9	59.1							
85	41.4	50.8	59.0	66.4	68.5	65.6	55.6	44.8	38.3	33.6	33.5	36.1							
90	25.0	30.0	35.6	41.2	42.6	40.1	33.0	26.9	24.3	22.8	22.5	23.2							
95	18.3	20.3	22.3	24.6	25.6	24.6	21.9	19.5	18.5	17.8	17.8	17.9							
100	14.8	16.2	17.3	18.5	18.8	18.1	16.8	14.8	14.7	14.0	14.0	14.4							
105	10.8	12.7	13.9	14.3	14.4	14.5	12.2	11.2	11.4	9.82	10.6	11.0							
110	7.70	9.65	10.7	10.4	11.3	11.4	9.38	8.49	8.49	7.45	7.78	8.09							
115	5.60	7.12	7.86	7.75	8.52	8.45	7.04	6.43	6.32	5.79	5.77	5.97							
120	4.35	5.21	5.68	5.66	6.17	5.94	5.46	5.25	5.28	5.22	4.98	4.87							
125	4.15	4.39	4.53	4.49	4.50	4.27	4.92	5.26	5.33	5.24	5.00	4.78							
130	4.21	4.47	4.52	4.40	4.18	3.92	4.94	5.29	5.40	5.37	5.11	4.82							
135	4.33	4.57	4.62	4.50	4.30	4.01	4.98	5.36	5.51	5.46	5.22	4.91							
140	4.47	4.69	4.75	4.64	4.47	4.20	5.06	5.44	5.62	5.58	5.36	5.05							
145	4.65	4.83	4.88	4.79	4.64	4.36	5.16	5.51	5.72	5.70	5.53	5.14							
150	4.82	4.97	5.01	4.95	4.77	4.32	5.28	5.59	5.81	5.80	5.65	5.17							
155	5.00	5.13	5.17	5.10	4.90	4.44	5.39	5.65	5.84	5.88	5.69	5.23							
160	5.20	5.31	5.32	5.26	4.91	4.60	5.51	5.70	5.81	5.90	5.57	5.41							
165	5.39	5.47	5.47	5.41	4.82	4.78	5.60	5.76	5.83	5.75	5.44	5.29							
170	5.54	5.56	5.56	5.07	5.00	4.96	5.52	5.76	5.76	5.60	5.28	5.26							
175	5.33	5.38	5.25	5.20	5.15	5.10	5.40	5.42	5.38	5.35	5.28	5.25							
180	5.39	5.38	5.34	5.31	5.26	5.22	5.40	5.38	5.34	5.32	5.25	5.22							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-05-04

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: