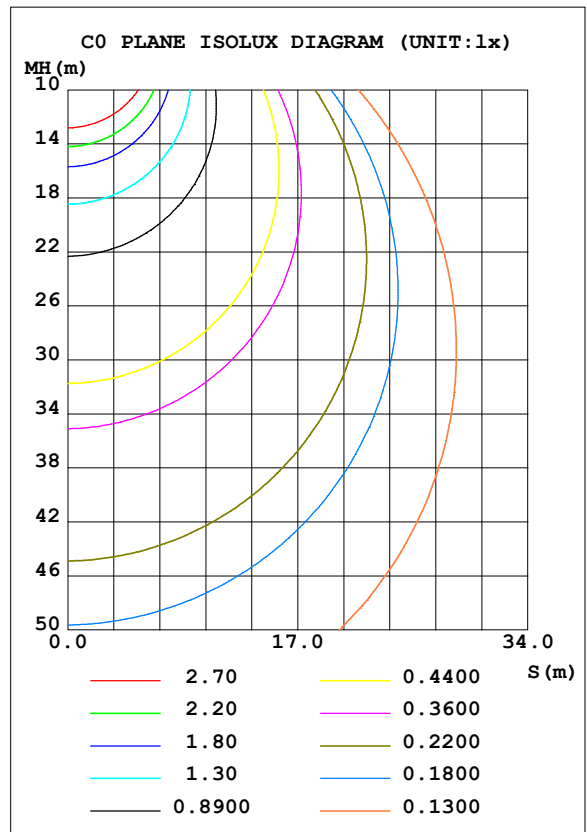
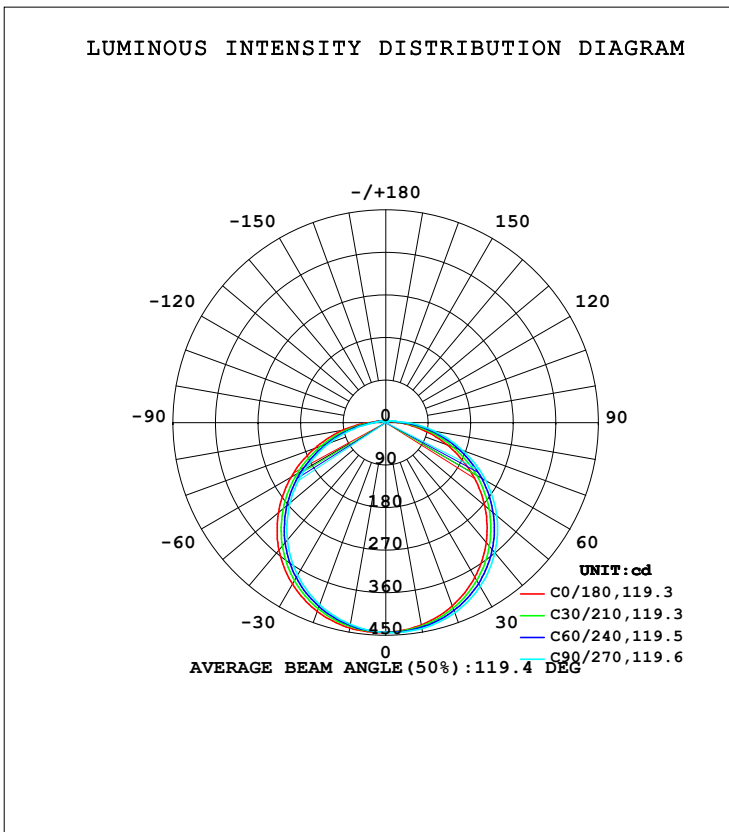


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2490A P:26.00W PF:0.8660 Freq:60.00Hz Lamp Flux:1480.69x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 56.95 lm/W			
MODEL		I _{max} (cd)	446.3	S/MH (C0/180)	1.32
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1480.7	η UP, DN (C0-180)	2.3, 50.0
NOMINAL FLUX (lm)	1480.69	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	434.3	438.2	442.0	443.8	440.9	436.5	433.4	433.6	0- 10	42.10	42.10	2.84,2.84
20	412.3	420.0	427.5	430.1	424.9	416.4	409.6	409.5	10- 20	121.5	163.6	11,11
30	377.4	389.2	399.9	402.7	394.5	382.4	372.8	372.7	20- 30	186.4	350.0	23.6,23.6
40	330.7	345.6	359.0	361.9	351.7	336.0	324.0	323.9	30- 40	228.8	578.8	39.1,39.1
50	273.2	291.1	306.2	309.1	296.6	278.2	264.4	264.6	40- 50	242.9	821.7	55.5,55.5
60	207.6	227.6	243.9	246.3	231.8	211.8	197.1	197.1	50- 60	227.0	1049	70.8,70.8
70	138.4	157.9	173.5	176.0	160.6	140.6	127.1	127.3	60- 70	183.6	1232	83.2,83.2
80	72.52	89.93	104.3	105.9	92.08	73.88	61.93	63.06	70- 80	122.5	1355	91.5,91.5
90	27.29	35.90	45.02	45.30	36.42	28.49	25.17	25.02	80- 90	60.67	1415	95.6,95.6
100	16.08	18.28	20.20	20.22	18.60	16.44	15.49	15.55	90-100	25.97	1441	97.3,97.3
110	8.383	11.13	11.40	12.42	10.35	9.394	8.153	8.623	100-110	14.40	1456	98.3,98.3
120	4.747	5.969	6.240	6.651	5.974	5.758	5.706	5.383	110-120	7.660	1463	98.8,98.8
130	4.606	4.906	4.816	4.452	5.397	5.841	5.863	5.428	120-130	4.761	1468	99.2,99.2
140	4.886	5.150	5.083	4.769	5.533	6.044	6.104	5.703	130-140	4.081	1472	99.4,99.4
150	5.262	5.442	5.417	4.983	5.761	6.230	6.355	5.923	140-150	3.481	1476	99.7,99.7
160	5.670	5.799	5.758	5.218	6.021	6.297	6.458	6.014	150-160	2.672	1478	99.8,99.8
170	6.053	6.082	5.562	5.463	6.027	6.301	6.147	5.780	160-170	1.677	1480	100,100
180	5.915	5.873	5.828	5.741	5.909	5.875	5.828	5.743	170-180	0.5594	1481	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 700.36 lm

%lum = 47.3%

%lamp = 47.3%

Conical surface Flux(120deg): 1048.6 lm

%lum = 70.8%

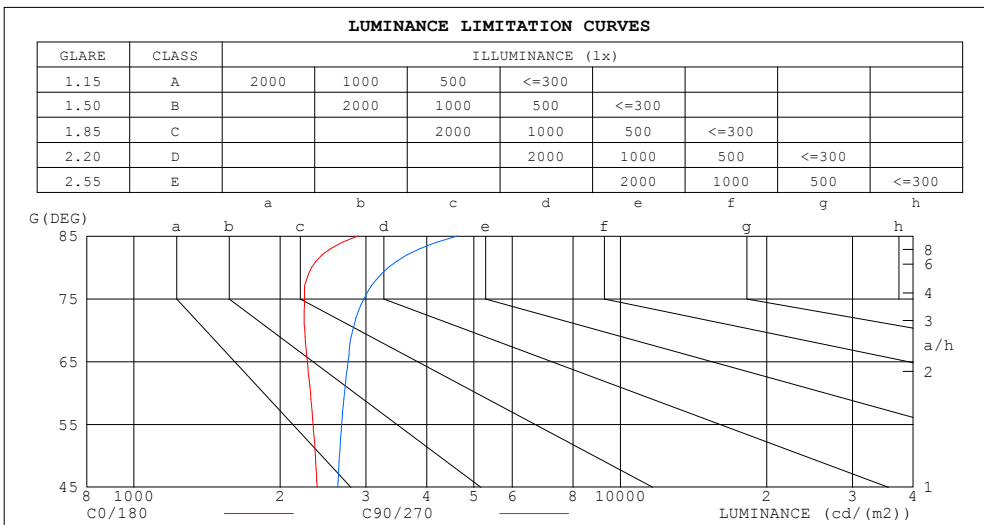
%lamp = 70.8%

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:0.2490A P:26.00W PF:0.8660 Freq:60.00Hz Lamp Flux:1480.69x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 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	2890	4625
80	2320	3337
75	2244	2972
70	2248	2818
65	2275	2758
60	2307	2710
55	2336	2676
50	2361	2646
45	2382	2625

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:0.2490A P:26.00W PF:0.8660 Freq:60.00Hz Lamp Flux:1480.69x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3500K	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:0.2490A P:26.00W PF:0.8660 Freq:60.00Hz Lamp Flux:1480.69x1 lm										
NAME: AFX-DCF14-26DOB-95C-120D-NS 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	14.3	15.8	14.6	16.1	16.4	14.8	16.4	15.2	16.6	16.9
3H	15.9	17.3	16.3	17.6	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	19.3	19.7
6H	17.3	18.6	17.7	18.9	19.3	18.5	19.8	18.9	20.2	20.5
8H	17.6	18.8	18.0	19.2	19.6	19.0	20.2	19.4	20.5	20.9
12H	17.9	19.0	18.3	19.4	19.8	19.4	20.6	19.8	20.9	21.3
4H 2H	15.0	16.3	15.4	16.7	17.0	15.5	16.8	15.8	17.1	17.5
3H	16.9	18.1	17.3	18.4	18.8	17.6	18.7	18.0	19.1	19.5
4H	17.8	18.9	18.2	19.3	19.7	18.6	19.7	19.1	20.1	20.6
6H	18.6	19.5	19.1	20.0	20.4	19.7	20.6	20.2	21.1	21.5
8H	18.9	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	21.5	21.2	22.0	22.5
8H 4H	18.2	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	20.7	21.5	22.0
8H	19.8	20.4	20.3	20.9	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	19.1	18.8	19.6	20.1	19.0	19.8	19.5	20.3	20.8
6H	19.4	20.1	20.0	20.6	21.2	20.3	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, 1481 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)

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:0.2490A P:26.00W PF:0.8660 Freq:60.00Hz Lamp Flux:1480.69x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

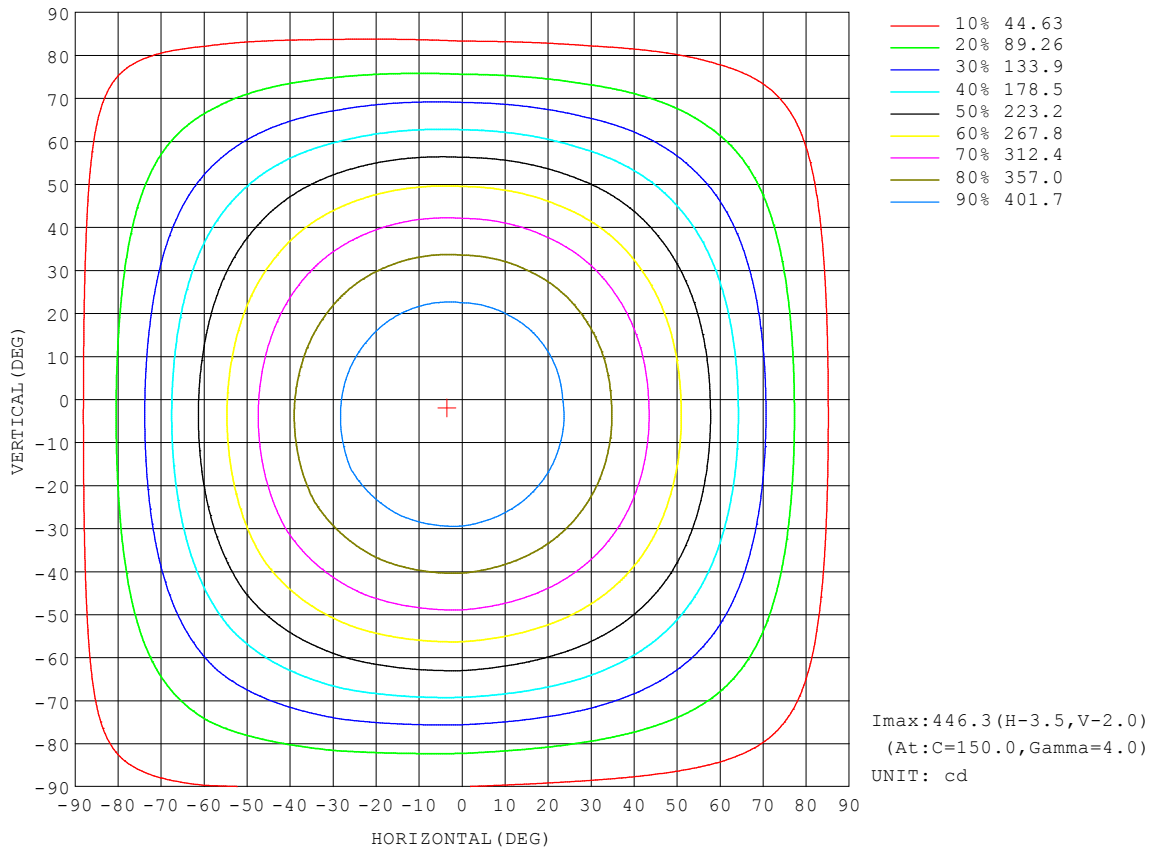
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	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	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:0.2490A P:26.00W PF:0.8660 Freq:60.00Hz Lamp Flux:1480.69x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

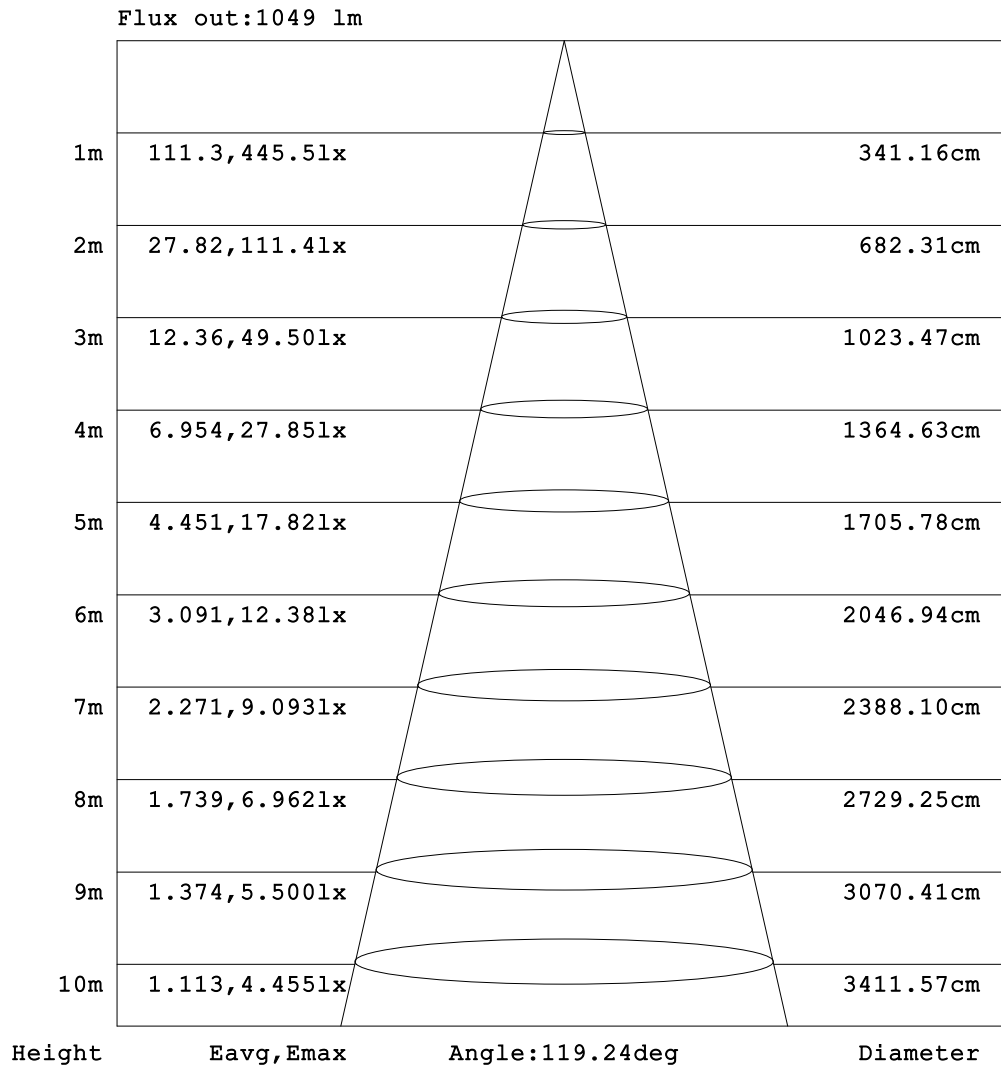


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-05-04

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:0.2490A P:26.00W PF:0.8660 Freq:60.00Hz Lamp Flux:1480.69x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 草星	SUR.:14寸	Shielding Angle:

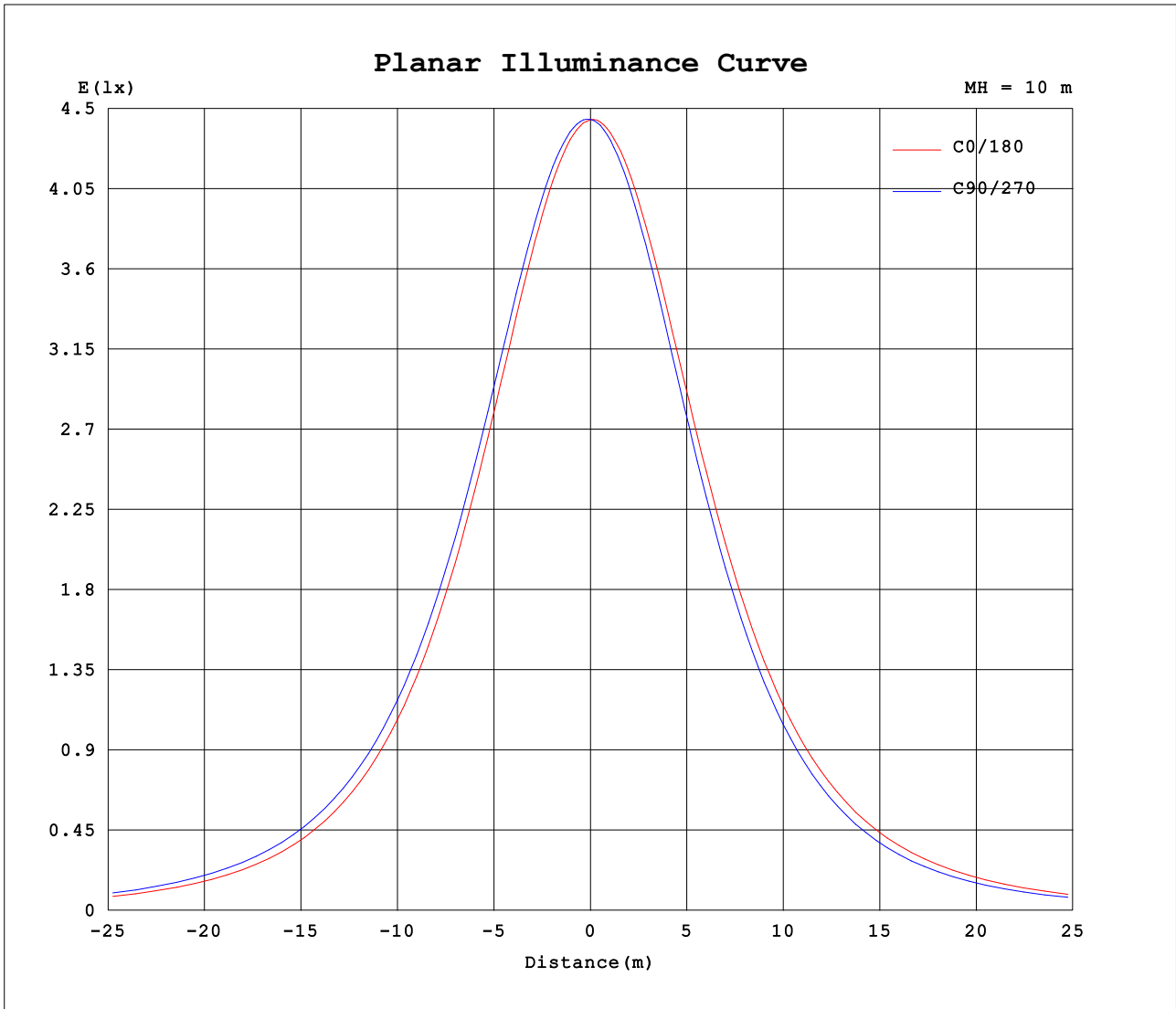


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2490A P:26.00W PF:0.8660 Freq:60.00Hz Lamp Flux:1480.69x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 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	444	443	444	444	445	445	444	443	444	444	445	445							
5	441	442	443	444	446	446	444	442	441	440	440	441							
10	434	437	439	442	444	444	441	438	435	433	433	434							
15	425	429	433	437	439	439	434	430	426	423	423	424							
20	412	417	423	428	430	430	425	419	414	410	409	410							
25	397	403	409	415	418	418	411	404	398	393	392	393							
30	377	385	393	400	403	403	395	386	379	373	372	374							
35	355	365	373	381	384	383	375	365	357	350	349	351							
40	331	341	350	359	362	361	352	340	332	324	323	325							
45	303	314	325	334	338	336	325	313	303	295	294	297							
50	273	285	297	306	310	308	297	283	273	264	263	266							
55	241	254	266	276	280	278	265	251	241	232	230	233							
60	208	221	234	244	248	245	232	217	206	197	195	199							
65	173	186	199	210	214	211	197	182	170	162	160	164							
70	138	151	164	174	178	174	161	146	135	127	125	130							
75	105	117	129	138	142	138	125	112	101	92.7	91.6	95.3							
80	72.5	84.7	95.2	104	108	104	92.1	78.3	69.4	61.9	61.2	64.9							
85	45.3	55.5	64.6	72.6	75.1	71.8	60.8	49.6	42.1	37.2	36.8	39.6							
90	27.3	32.8	39.0	45.0	46.7	43.9	36.4	30.0	27.0	25.2	24.6	25.4							
95	20.0	22.2	24.4	26.9	28.0	27.0	24.3	21.8	20.6	19.7	19.5	19.6							
100	16.1	17.6	18.9	20.2	20.6	19.9	18.6	16.5	16.4	15.5	15.4	15.7							
105	11.8	13.8	15.2	15.7	15.8	15.9	13.4	12.6	12.7	10.8	11.5	12.0							
110	8.38	10.5	11.7	11.4	12.3	12.5	10.3	9.42	9.37	8.15	8.44	8.80							
115	6.13	7.78	8.64	8.52	9.34	9.27	7.73	7.08	6.91	6.32	6.25	6.51							
120	4.75	5.69	6.25	6.24	6.78	6.52	5.97	5.74	5.77	5.71	5.44	5.33							
125	4.53	4.79	4.97	4.95	4.97	4.68	5.38	5.74	5.82	5.73	5.47	5.23							
130	4.61	4.86	4.95	4.82	4.60	4.30	5.40	5.78	5.90	5.86	5.59	5.27							
135	4.73	4.97	5.05	4.93	4.73	4.40	5.45	5.85	6.01	5.97	5.71	5.38							
140	4.89	5.11	5.19	5.08	4.92	4.61	5.53	5.95	6.14	6.10	5.87	5.54							
145	5.08	5.25	5.33	5.25	5.11	4.78	5.64	6.02	6.26	6.24	6.05	5.63							
150	5.26	5.42	5.47	5.42	5.24	4.73	5.76	6.11	6.35	6.36	6.19	5.66							
155	5.46	5.60	5.64	5.58	5.38	4.86	5.89	6.17	6.39	6.43	6.23	5.73							
160	5.67	5.78	5.81	5.76	5.40	5.04	6.02	6.24	6.36	6.46	6.10	5.93							
165	5.89	5.97	5.98	5.92	5.29	5.24	6.12	6.30	6.37	6.30	5.95	5.80							
170	6.05	6.09	6.08	5.56	5.49	5.43	6.03	6.29	6.31	6.15	5.79	5.77							
175	5.84	5.90	5.76	5.70	5.65	5.60	5.92	5.92	5.89	5.86	5.79	5.76							
180	5.91	5.89	5.86	5.83	5.76	5.72	5.91	5.89	5.86	5.83	5.76	5.72							

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: