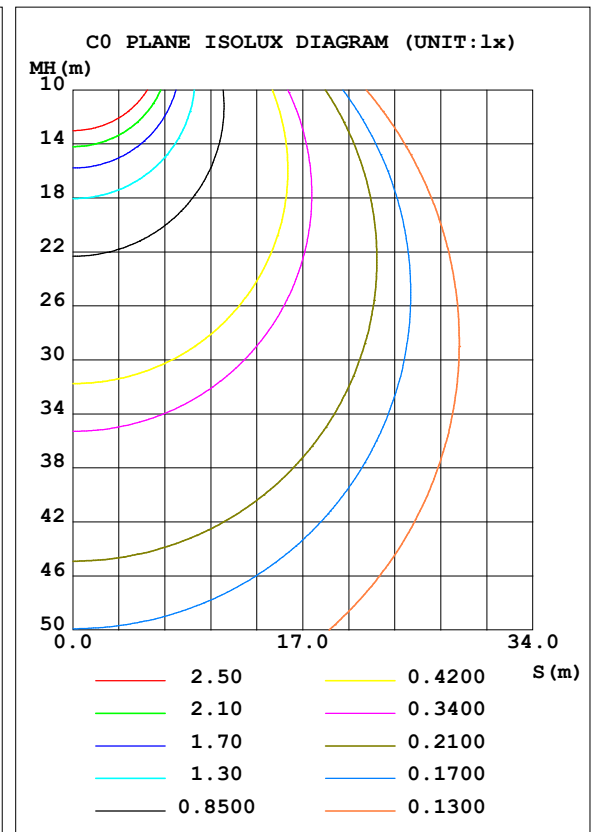
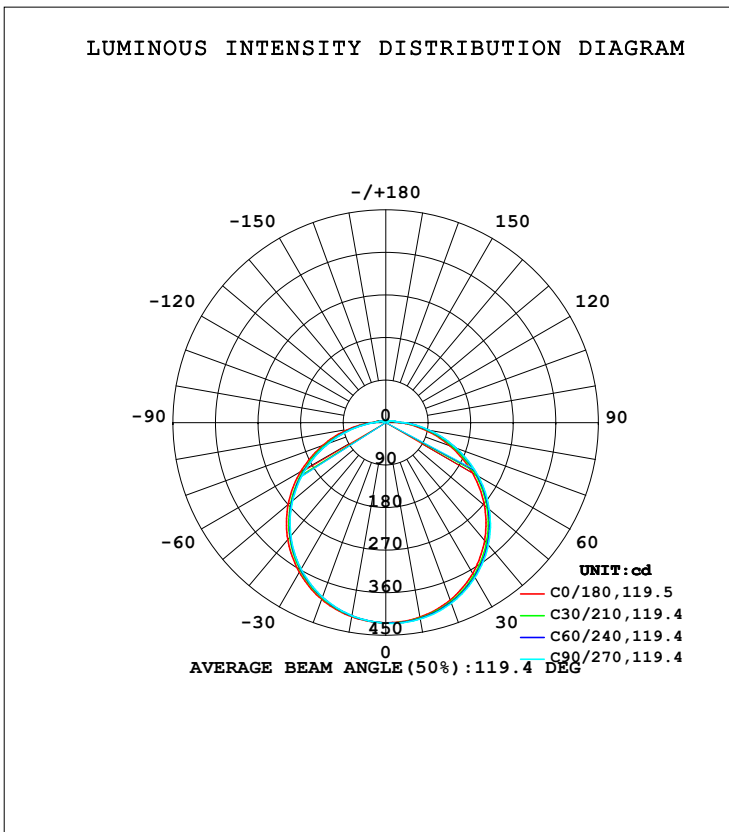


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.5V I:0.2520A P:26.00W PF:0.8540 Freq:60.00Hz Lamp Flux:1412.8x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 54.34 lm/W			
MODEL		I _{max} (cd)	425.2	S/MH (C0/180)	1.28
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1412.8	η UP, DN (C0-180)	2.3, 49.5
NOMINAL FLUX (lm)	1412.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	2.1, 46.0
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: 2023-05-03

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	417.6	420.3	421.5	420.7	416.7	415.0	414.5	416.3	0- 10	40.19	40.19	2.84,2.84
20	399.3	403.9	406.3	404.0	397.4	393.7	392.5	395.5	10- 20	115.8	156.0	11,11
30	368.2	374.8	377.9	374.5	365.6	360.3	358.1	362.5	20- 30	177.5	333.5	23.6,23.6
40	325.4	333.4	337.4	332.8	322.8	315.2	312.5	318.0	30- 40	217.6	551.1	39,39
50	272.2	281.9	285.9	280.8	270.0	260.7	257.6	263.9	40- 50	230.9	782.0	55.4,55.4
60	211.0	221.7	226.0	220.4	209.0	198.3	195.1	202.3	50- 60	216.3	998.3	70.7,70.7
70	145.3	155.3	159.1	154.0	142.2	132.5	129.4	135.8	60- 70	175.7	1174	83.1,83.1
80	80.20	89.63	93.74	88.81	78.73	69.69	66.90	72.43	70- 80	117.9	1292	91.4,91.4
90	30.51	35.86	38.75	35.72	30.87	26.82	25.66	27.60	80- 90	58.13	1350	95.6,95.6
100	16.78	18.05	18.86	18.38	17.95	16.21	15.23	16.13	90-100	24.76	1375	97.3,97.3
110	8.776	10.96	10.39	10.73	9.774	9.142	8.057	9.387	100-110	14.11	1389	98.3,98.3
120	4.847	5.611	5.447	5.521	5.772	5.186	5.478	5.519	110-120	7.290	1396	98.8,98.8
130	4.825	4.239	4.433	4.615	5.385	5.144	5.584	5.432	120-130	4.477	1401	99.1,99.1
140	5.162	4.607	4.684	4.893	5.529	5.507	5.879	5.777	130-140	3.929	1405	99.4,99.4
150	5.580	5.195	5.034	5.198	5.697	5.830	6.191	5.737	140-150	3.378	1408	99.7,99.7
160	6.005	5.422	5.333	5.511	5.857	5.738	6.439	6.203	150-160	2.628	1411	99.8,99.8
170	6.066	5.275	5.250	5.441	5.689	5.518	5.566	6.069	160-170	1.629	1412	100,100
180	5.552	5.515	5.503	5.454	5.565	5.505	5.503	5.467	170-180	0.5279	1413	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 666.61 lm

%lum = 47.2%

%lamp = 47.2%

Conical surface Flux(120deg): 998.31 lm

%lum = 70.7%

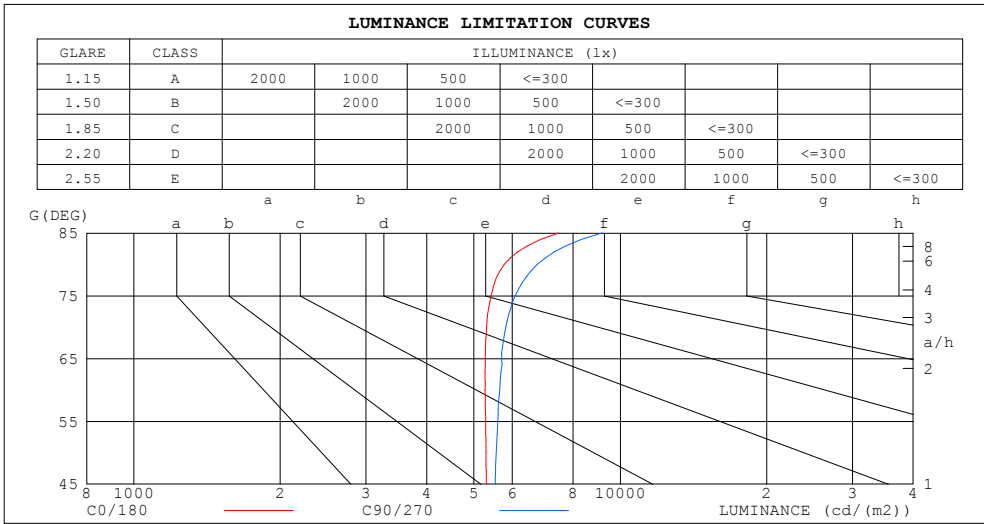
%lamp = 70.7%

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:0.2520A P:26.00W PF:0.8540 Freq:60.00Hz Lamp Flux:1412.8x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7468	9159
80	5773	6748
75	5423	6082
70	5311	5815
65	5280	5704
60	5276	5649
55	5287	5601
50	5294	5559
45	5303	5532

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:0.2520A P:26.00W PF:0.8540 Freq:60.00Hz Lamp Flux:1412.8x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (4000K)	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	.195	.062	.334	.190	.060	.318	.182	.058	.303	.175	.056	.290	.168	.054	
2.0	.311	.170	.052	.304	.167	.052	.289	.161	.050	.276	.155	.048	.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	.198	.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	

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	.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	.128	.093	.119	.089	.065	.068	.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	.029	.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	.098	.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	.058	.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:0.2520A P:26.00W PF:0.8540 Freq:60.00Hz Lamp Flux:1412.8x1 lm										
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (4000K)					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	20.7	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	23.5
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	23.3	24.2	24.7
12H	22.7	23.6	23.2	24.0	24.5	23.4	24.2	23.9	24.6	25.1
8H 4H	21.5	22.4	21.9	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	24.7
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	23.6	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, 1413 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 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:0.2520A P:26.00W PF:0.8540 Freq:60.00Hz Lamp Flux:1412.8x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

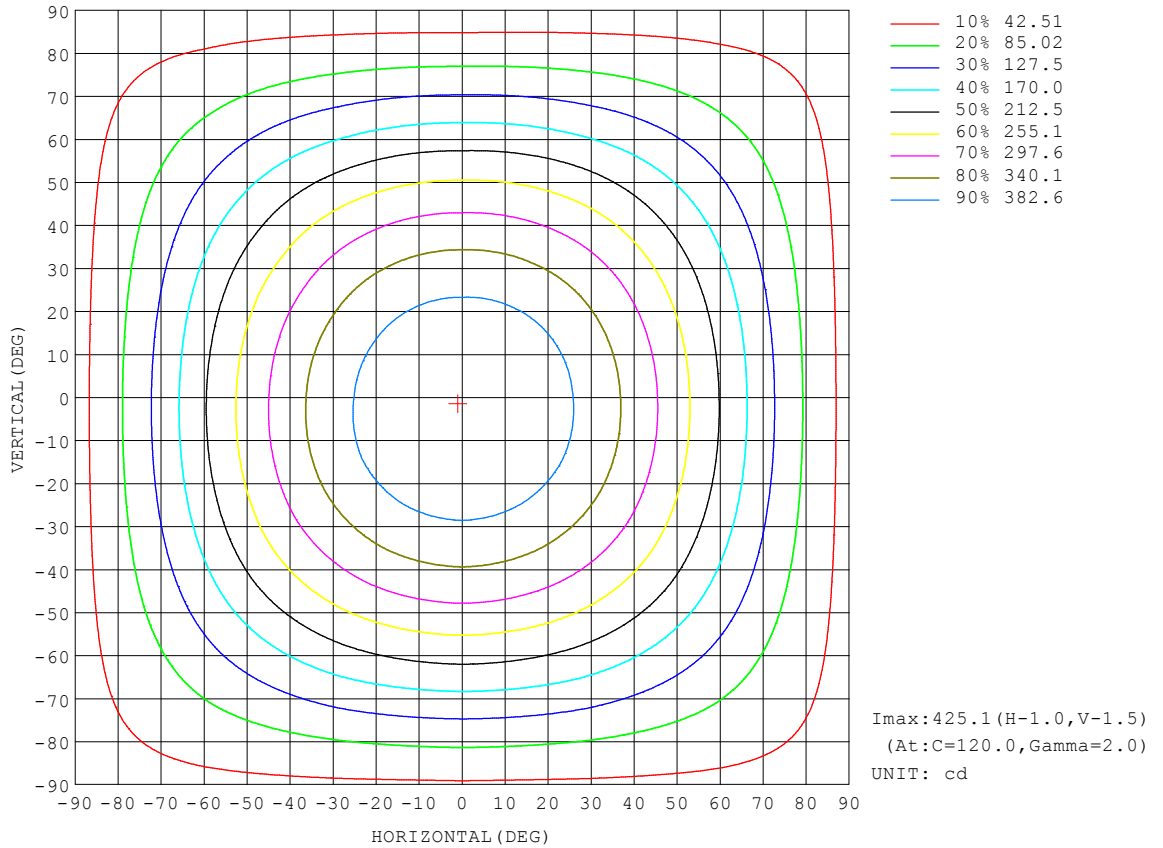
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	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:0.2520A P:26.00W PF:0.8540 Freq:60.00Hz Lamp Flux:1412.8x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

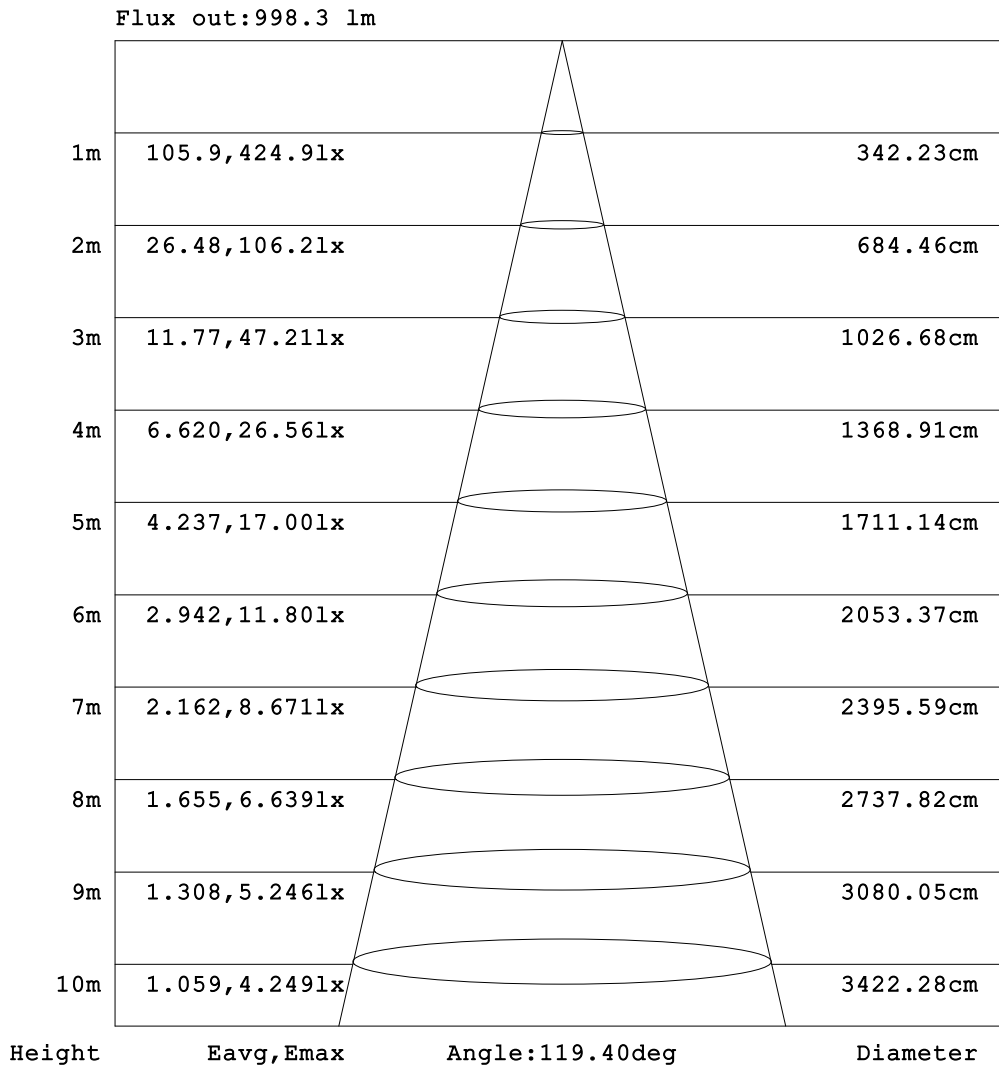


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-05-03

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:0.2520A P:26.00W PF:0.8540 Freq:60.00Hz Lamp Flux:1412.8x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 草星	SUR.:14寸	Shielding Angle:

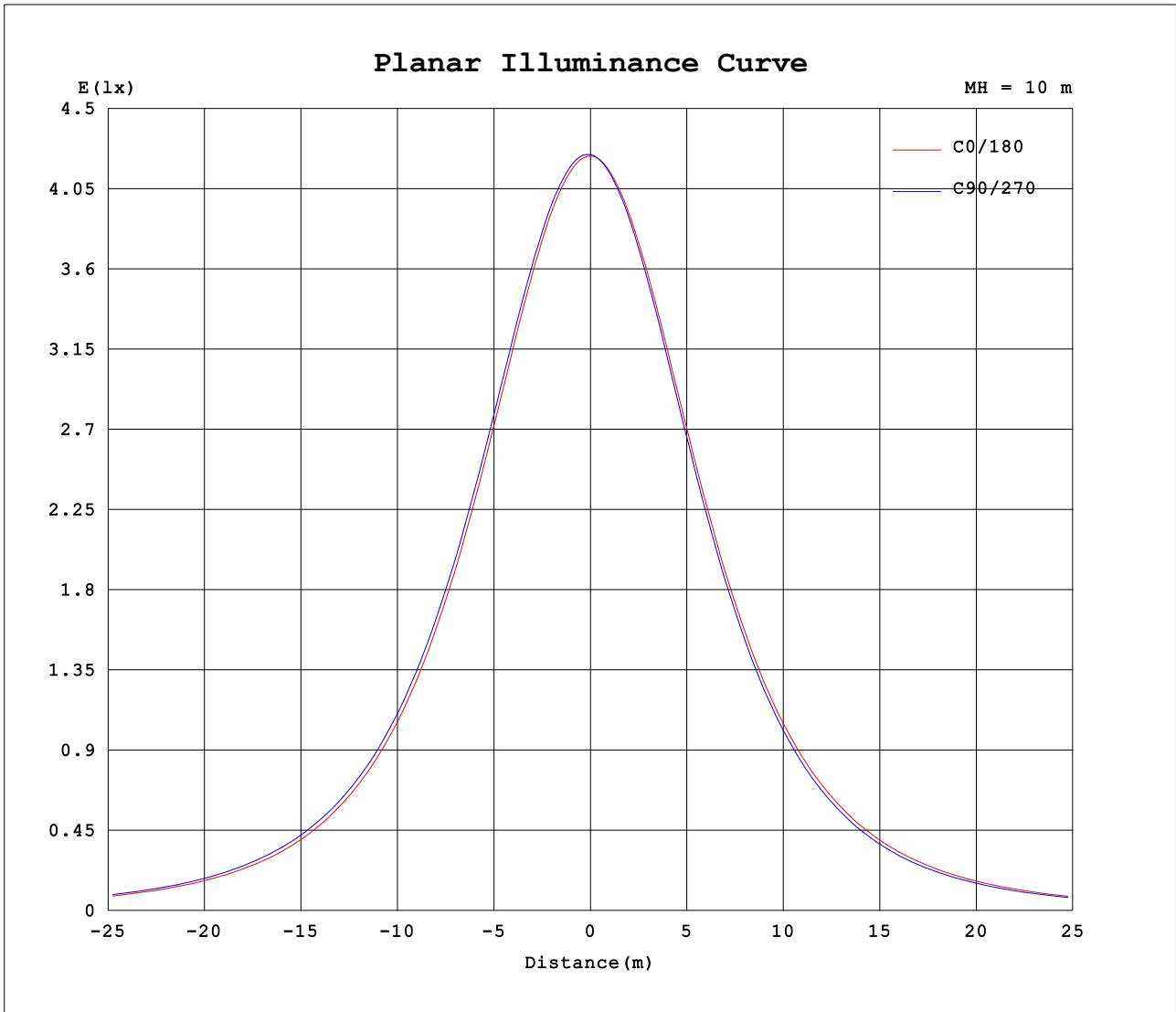


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.2520A P:26.00W PF:0.8540 Freq:60.00Hz Lamp Flux:1412.8x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-BL1 整灯 (4000K)	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	423	424	424	424	425	425	423	424	424	424	425	425								
5	422	423	424	425	424	424	422	421	421	421	422	422								
10	418	420	421	422	421	420	417	415	415	414	416	417								
15	410	413	414	416	415	413	409	407	406	405	406	409								
20	399	403	405	406	405	403	397	394	393	393	394	397								
25	385	390	392	394	392	389	383	379	378	377	379	382								
30	368	373	376	378	376	373	366	362	359	358	360	365								
35	348	354	357	359	357	353	345	340	338	337	339	344								
40	325	331	335	337	335	330	323	317	314	312	316	320								
45	300	307	311	313	310	305	297	291	287	286	289	295								
50	272	280	284	286	283	278	270	262	259	258	262	266								
55	243	251	255	257	254	249	240	232	229	227	232	236								
60	211	220	224	226	223	218	209	200	196	195	200	205								
65	179	186	191	193	190	184	175	168	163	162	166	172								
70	145	152	158	159	157	151	142	135	130	129	133	139								
75	112	119	125	126	124	118	110	102	98.2	97.1	101	106								
80	80.2	87.5	91.8	93.7	91.1	86.5	78.7	71.2	68.2	66.9	70.3	74.6								
85	52.1	58.6	62.1	63.9	61.5	57.3	50.6	44.6	42.4	41.3	44.0	47.4								
90	30.5	34.5	37.2	38.7	37.0	34.4	30.9	27.5	26.2	25.7	26.8	28.4								
95	21.0	22.7	24.1	24.8	24.2	23.2	22.3	20.7	19.6	19.2	19.8	20.6								
100	16.8	17.8	18.3	18.9	18.7	18.1	18.0	16.7	15.7	15.2	15.8	16.5								
105	12.7	13.7	14.7	14.6	14.2	14.4	13.8	12.8	12.0	10.7	12.3	12.8								
110	8.78	10.5	11.4	10.4	10.5	11.0	9.77	9.50	8.78	8.06	9.29	9.49								
115	6.34	7.67	8.35	7.59	7.55	7.90	7.36	6.90	6.38	6.15	6.87	6.95								
120	4.85	5.38	5.85	5.45	5.41	5.63	5.77	5.21	5.16	5.48	5.49	5.54								
125	4.71	4.25	4.32	4.47	4.56	4.59	5.34	5.00	5.14	5.49	5.31	5.46								
130	4.82	4.33	4.15	4.43	4.58	4.65	5.38	5.02	5.27	5.58	5.30	5.56								
135	4.98	4.54	4.25	4.55	4.72	4.77	5.44	5.17	5.44	5.73	5.66	5.70								
140	5.16	4.80	4.42	4.68	4.87	4.91	5.53	5.37	5.64	5.88	5.86	5.69								
145	5.37	5.07	4.67	4.86	5.02	5.07	5.62	5.59	5.85	6.04	6.01	5.47								
150	5.58	5.33	5.06	5.03	5.18	5.21	5.70	5.63	6.03	6.19	6.18	5.30								
155	5.80	5.62	5.31	5.21	5.34	5.37	5.78	5.43	6.18	6.33	6.31	5.66								
160	6.00	5.87	4.97	5.33	5.50	5.53	5.86	5.54	5.94	6.44	6.44	5.97								
165	6.17	5.79	5.07	5.28	5.52	5.59	5.82	5.57	5.46	6.51	6.51	5.99								
170	6.07	5.30	5.25	5.25	5.39	5.49	5.69	5.53	5.51	5.57	6.32	5.82								
175	5.52	5.43	5.39	5.38	5.36	5.37	5.58	5.55	5.51	5.53	5.62	5.60								
180	5.55	5.53	5.50	5.50	5.46	5.45	5.56	5.52	5.49	5.50	5.47	5.46								

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: