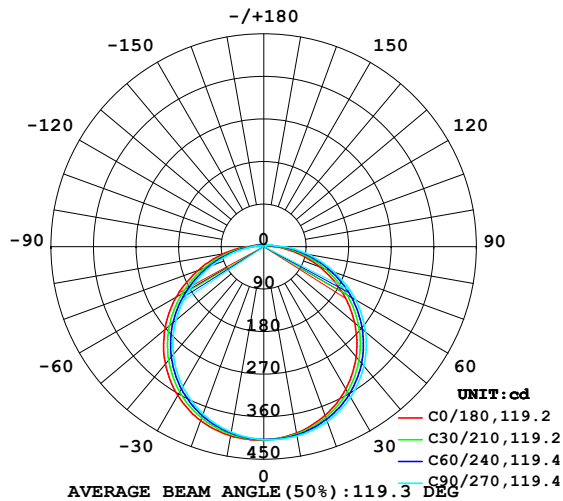


LUMINAIRE PHOTOMETRIC TEST REPORT

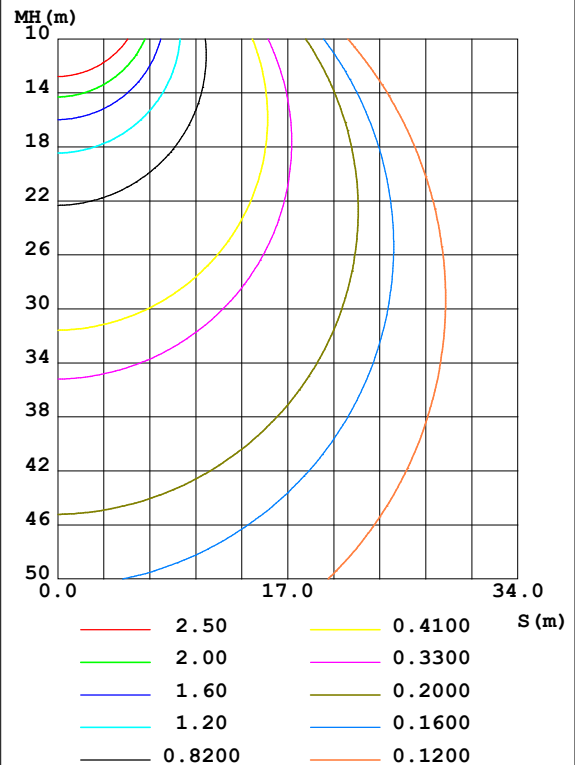
Test:U:120.5V I:0.2510A P:25.10W PF:0.8300 Freq:60.00Hz Lamp Flux:1360.47x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 54.20 lm/W			
MODEL		Imax(cd)	410.0	S/MH(C0/180)	1.32
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1360.5	η UP,DN(C0-180)	2.3,49.9
NOMINAL FLUX(lm)	1360.47	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.1,45.7
LAMPS INSIDE	1	η up(%)	4.4	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	95.6	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:2023-05-05

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	400.3	403.4	406.6	407.9	406.1	401.7	398.4	398.4	0- 10	38.73	38.73	2.85,2.85
20	379.7	386.4	393.3	394.9	391.4	383.1	376.6	376.1	10- 20	111.7	150.4	11.1,11.1
30	347.4	357.9	367.4	369.5	363.8	351.8	342.5	342.0	20- 30	171.4	321.8	23.7,23.7
40	303.9	317.8	329.8	331.9	324.1	309.0	297.5	297.0	30- 40	210.2	532.1	39.1,39.1
50	251.0	267.4	281.2	283.4	273.4	255.9	242.8	242.5	40- 50	223.1	755.2	55.5,55.5
60	190.6	208.8	223.8	226.0	214.3	194.4	181.0	180.3	50- 60	208.4	963.6	70.8,70.8
70	126.6	144.8	159.3	161.4	148.8	129.9	116.7	116.5	60- 70	168.6	1132	83.2,83.2
80	66.14	82.36	95.73	97.03	85.63	68.64	57.04	57.67	70- 80	112.6	1245	91.5,91.5
90	24.77	32.82	41.38	41.64	34.49	27.06	23.33	22.83	80- 90	55.91	1301	95.6,95.6
100	14.51	16.52	18.34	18.52	17.78	15.67	14.31	14.13	90-100	23.97	1325	97.4,97.4
110	7.621	10.08	10.35	11.30	9.690	8.764	7.436	7.856	100-110	13.23	1338	98.3,98.3
120	4.326	5.432	5.643	6.008	5.511	5.253	5.211	4.921	110-120	6.991	1345	98.8,98.8
130	4.188	4.459	4.401	4.060	4.928	5.306	5.339	4.965	120-130	4.335	1349	99.2,99.2
140	4.442	4.672	4.633	4.356	5.041	5.465	5.542	5.200	130-140	3.715	1353	99.4,99.4
150	4.786	4.949	4.935	4.536	5.250	5.630	5.748	5.365	140-150	3.162	1356	99.7,99.7
160	5.172	5.278	5.247	4.753	5.481	5.696	5.831	5.468	150-160	2.426	1358	99.9,99.9
170	5.522	5.553	5.086	4.987	5.519	5.720	5.587	5.282	160-170	1.526	1360	100,100
180	5.413	5.378	5.330	5.246	5.420	5.373	5.330	5.243	170-180	0.5110	1360	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 643.73 lm

%lum = 47.3%

%lamp = 47.3%

Conical surface Flux(120deg): 963.59 lm

%lum = 70.8%

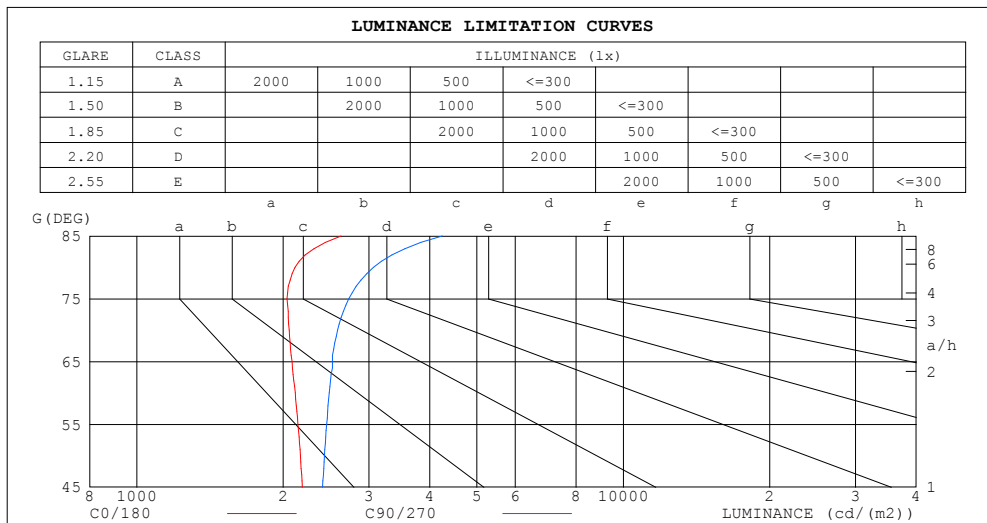
%lamp = 70.8%

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

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:25.10W PF:0.8300 Freq:60.00Hz Lamp Flux:1360.47x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2631	4245
80	2116	3063
75	2036	2728
70	2057	2587
65	2085	2524
60	2118	2487
55	2144	2456
50	2170	2430
45	2190	2410

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

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:25.10W PF:0.8300 Freq:60.00Hz Lamp Flux:1360.47x1 lm					
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 5000K			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	.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		

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	.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	.153	.101	.064	.106	.071	.045	.061	.042	.027	.020	.014	.009	
7.0	.172	.110	.067	.148	.096	.059	.102	.067	.042	.059	.039	.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	.086	.052	.095	.061	.037	.055	.036	.022	.018	.012	.007	
10.0	.153	.095	.057	.132	.083	.050	.091	.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:2023-05-05

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:25.10W PF:0.8300 Freq:60.00Hz Lamp Flux:1360.47x1 lm										
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 5000K					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	16.0	16.3	14.8	16.3	15.2	16.6	16.9
3H	15.9	17.3	16.3	17.6	18.0	16.8	18.1	17.1	18.5	18.8
4H	16.7	18.0	17.0	18.3	18.7	17.7	19.0	18.0	19.3	19.7
6H	17.3	18.5	17.7	18.9	19.3	18.5	19.8	18.9	20.1	20.5
8H	17.6	18.8	18.0	19.1	19.5	19.0	20.2	19.4	20.5	20.9
12H	17.8	19.0	18.2	19.4	19.8	19.4	20.5	19.8	20.9	21.3
4H 2H	15.0	16.3	15.4	16.7	17.0	15.4	16.8	15.8	17.1	17.5
3H	16.9	18.0	17.3	18.4	18.8	17.6	18.7	18.0	19.1	19.5
4H	17.8	18.8	18.2	19.2	19.7	18.6	19.7	19.1	20.1	20.5
6H	18.6	19.5	19.0	19.9	20.4	19.7	20.6	20.1	21.1	21.5
8H	18.9	19.8	19.4	20.3	20.7	20.2	21.1	20.7	21.5	22.0
12H	19.3	20.1	19.8	20.5	21.0	20.7	21.5	21.2	22.0	22.5
8H 4H	18.2	19.1	18.7	19.6	20.0	19.0	19.9	19.4	20.3	20.8
6H	19.2	20.0	19.8	20.5	21.0	20.2	21.0	20.7	21.5	22.0
8H	19.7	20.4	20.3	20.9	21.5	20.9	21.5	21.4	22.1	22.6
12H	20.2	20.8	20.8	21.3	21.9	21.6	22.2	22.1	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	19.9	20.6	21.1	20.3	21.0	20.9	21.5	22.0
8H	20.0	20.6	20.5	21.1	21.7	21.1	21.6	21.6	22.2	22.7
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, 1360 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.1$)

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

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:25.10W PF:0.8300 Freq:60.00Hz Lamp Flux:1360.47x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

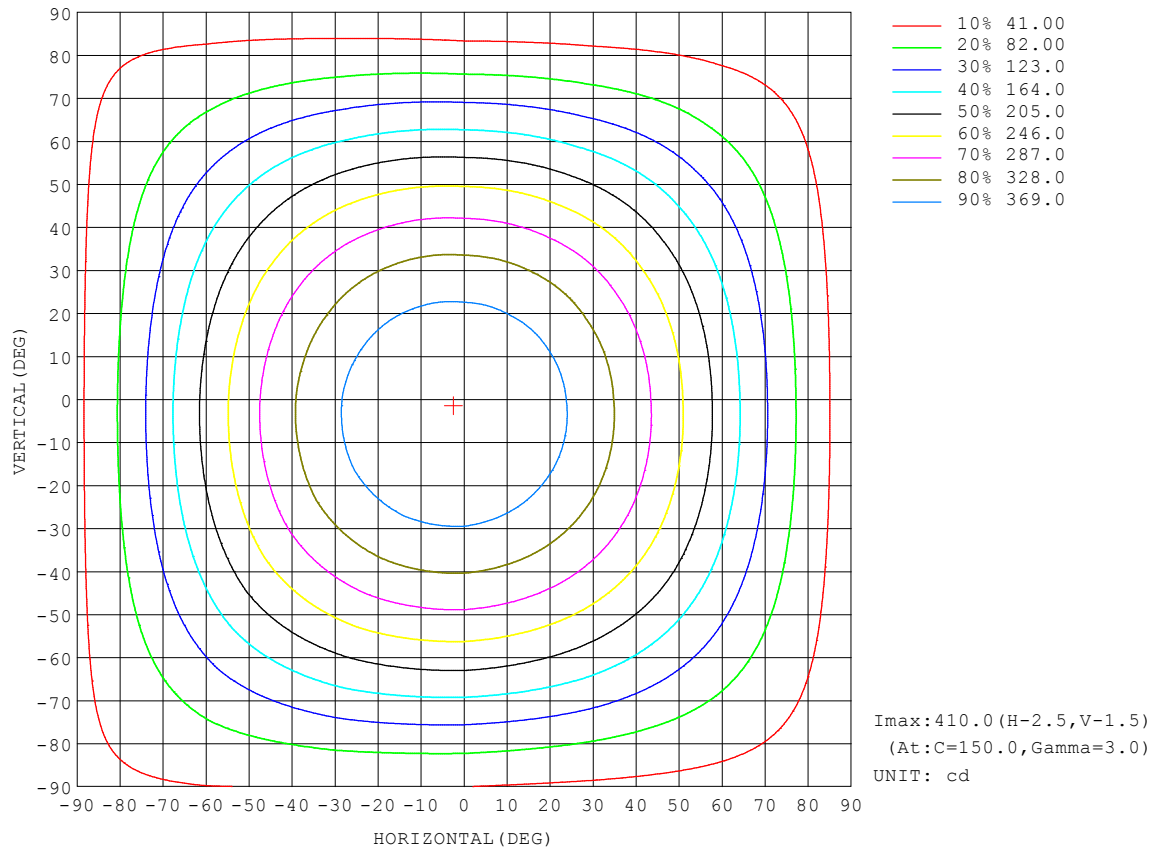
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	60	53	71	60	52	68	61	52	44
1.25	79	68	60	78	67	60	75	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: 2023-05-05

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:25.10W PF:0.8300 Freq:60.00Hz Lamp Flux:1360.47x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

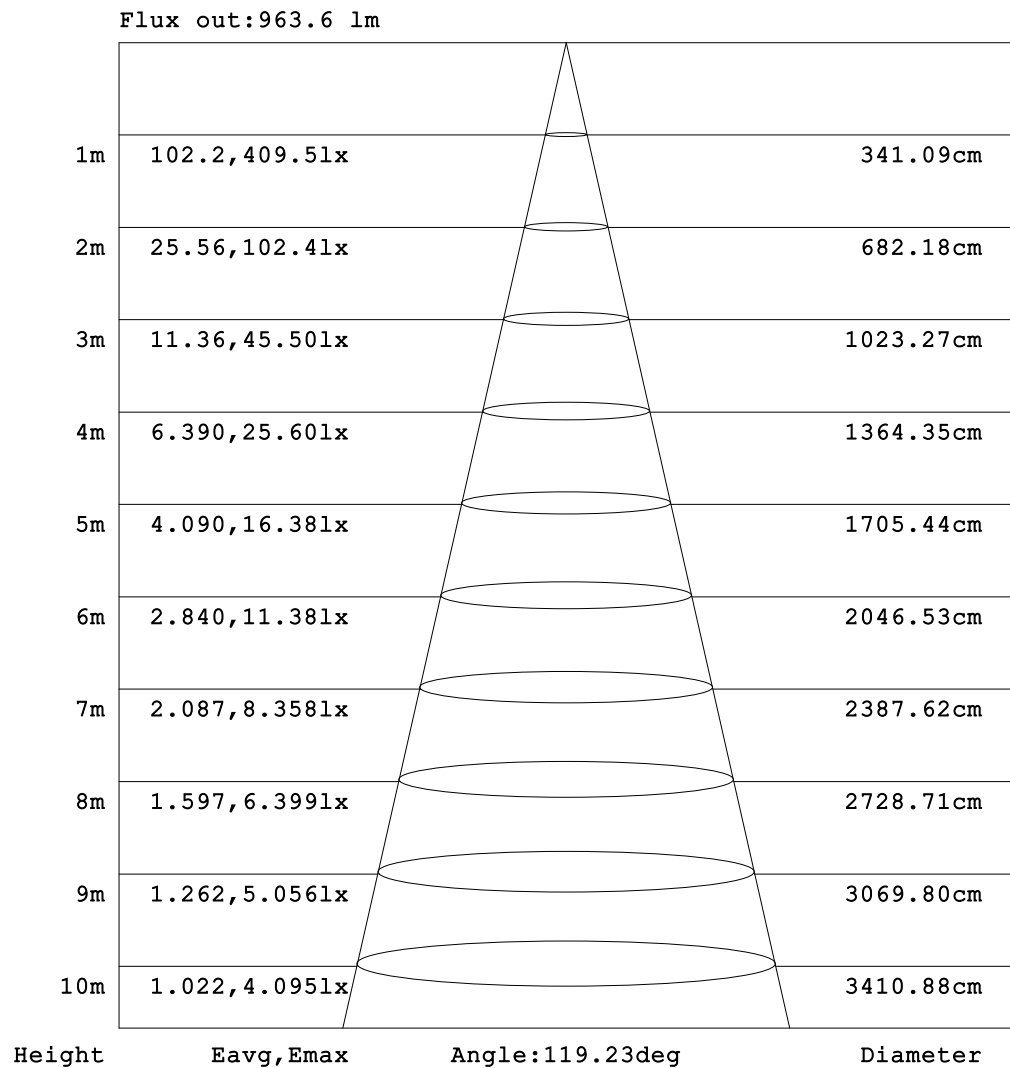


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-05

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:25.10W PF:0.8300 Freq:60.00Hz Lamp Flux:1360.47x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

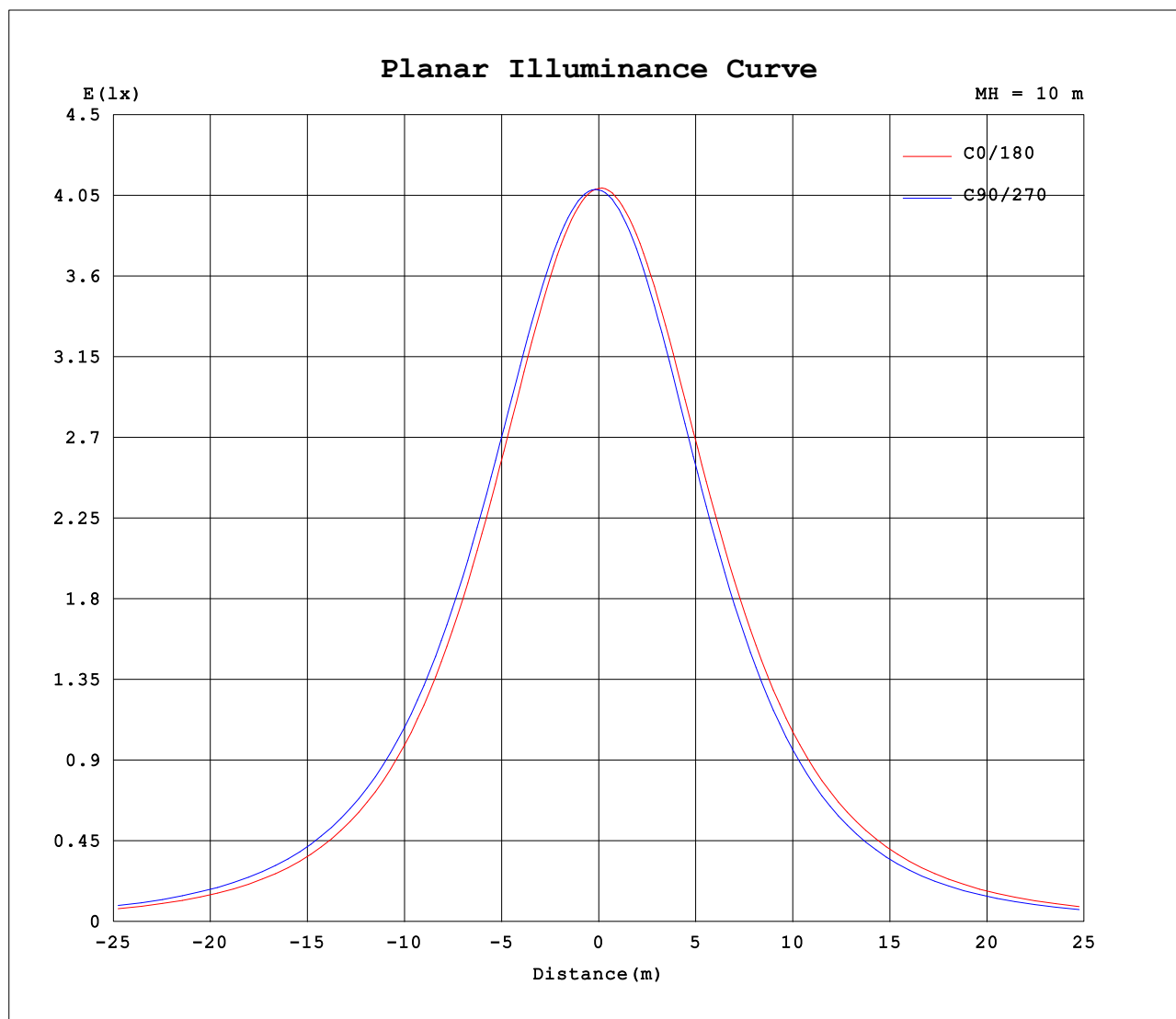


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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: 2023-05-05

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:25.10W PF:0.8300 Freq:60.00Hz Lamp Flux:1360.47x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 5000K	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	409	408	408	408	409	409	409	408	408	408	409	409						
5	406	407	408	409	410	410	409	407	406	405	405	405						
10	400	402	404	407	408	408	406	403	400	398	398	399						
15	392	395	398	401	403	403	400	396	392	389	388	389						
20	380	384	389	393	395	395	391	386	381	377	376	376						
25	365	371	377	382	384	384	379	372	366	361	360	361						
30	347	355	361	367	370	369	364	355	348	342	341	343						
35	327	335	343	350	353	352	346	336	328	321	320	322						
40	304	313	322	330	332	331	324	313	304	297	296	298						
45	279	289	299	307	310	308	300	288	279	271	270	272						
50	251	262	272	281	284	283	273	261	251	243	241	244						
55	221	234	244	254	257	255	245	231	221	213	211	214						
60	191	203	214	224	227	225	214	200	189	181	178	182						
65	159	170	183	192	196	193	181	168	157	149	146	150						
70	127	139	151	159	163	160	149	136	124	117	115	118						
75	94.8	107	119	127	131	127	117	104	93.2	85.3	84.2	87.1						
80	66.1	77.4	87.3	95.7	98.5	95.5	85.6	73.0	64.2	57.0	56.2	59.1						
85	41.3	50.6	59.2	66.6	68.7	66.1	57.4	46.7	39.6	34.4	33.7	36.1						
90	24.8	29.9	35.8	41.4	42.7	40.6	34.5	28.6	25.5	23.3	22.6	23.1						
95	18.1	20.1	22.3	24.6	25.6	25.0	23.1	21.0	19.5	18.2	17.8	17.8						
100	14.5	15.9	17.1	18.3	18.7	18.3	17.8	15.9	15.4	14.3	14.0	14.2						
105	10.7	12.4	13.8	14.2	14.3	14.6	12.7	12.0	11.9	9.95	10.5	10.9						
110	7.62	9.51	10.6	10.3	11.1	11.5	9.69	8.88	8.65	7.44	7.72	8.00						
115	5.56	7.07	7.86	7.70	8.44	8.48	7.18	6.55	6.27	5.73	5.73	5.93						
120	4.33	5.17	5.69	5.64	6.09	5.93	5.51	5.24	5.27	5.21	4.98	4.86						
125	4.13	4.36	4.53	4.49	4.47	4.23	4.93	5.20	5.30	5.24	5.01	4.78						
130	4.19	4.42	4.50	4.40	4.19	3.93	4.93	5.24	5.37	5.34	5.11	4.82						
135	4.30	4.52	4.59	4.50	4.31	4.02	4.97	5.30	5.46	5.43	5.22	4.91						
140	4.44	4.64	4.70	4.63	4.49	4.22	5.04	5.37	5.56	5.54	5.35	5.05						
145	4.62	4.77	4.83	4.78	4.65	4.36	5.14	5.45	5.65	5.65	5.48	5.13						
150	4.79	4.93	4.97	4.93	4.76	4.31	5.25	5.52	5.74	5.75	5.59	5.14						
155	4.97	5.10	5.13	5.09	4.90	4.43	5.37	5.59	5.78	5.81	5.64	5.24						
160	5.17	5.27	5.29	5.25	4.91	4.60	5.48	5.64	5.75	5.83	5.54	5.40						
165	5.37	5.44	5.44	5.40	4.82	4.78	5.58	5.70	5.77	5.71	5.42	5.30						
170	5.52	5.56	5.55	5.09	5.01	4.96	5.52	5.72	5.73	5.59	5.29	5.27						
175	5.34	5.40	5.26	5.22	5.16	5.11	5.43	5.43	5.39	5.36	5.30	5.25						
180	5.41	5.39	5.36	5.33	5.27	5.23	5.42	5.39	5.36	5.33	5.26	5.22						

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

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: