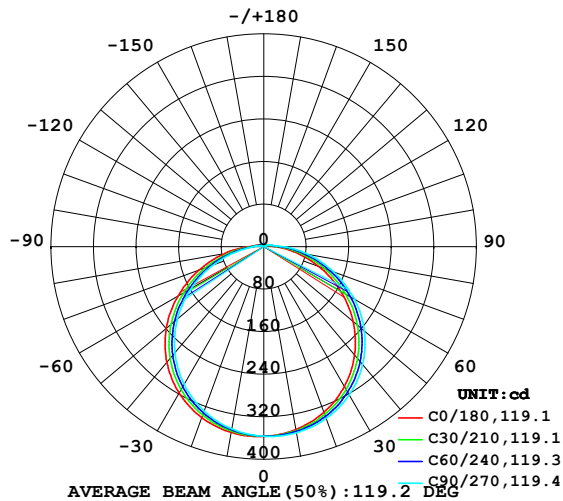


LUMINAIRE PHOTOMETRIC TEST REPORT

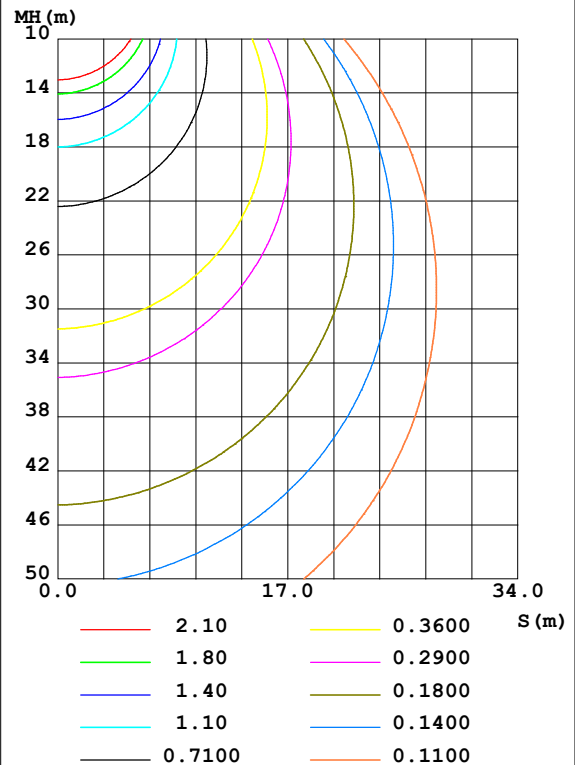
Test:U:120.5V I:0.2510A P:25.20W PF:0.8330 Freq:60.00Hz Lamp Flux:1189.97x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 47.22 lm/W
MODEL		Imax(cd)	358.5	S/MH(C0/180)	1.32	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25	
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1190.0	η UP,DN(C0-180)	2.3,50.0	
NOMINAL FLUX(lm)	1189.97	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	

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:2023-05-04

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	349.1	352.1	355.2	356.6	354.9	350.9	348.0	348.1	0- 10	33.83	33.83	2.84, 2.84
20	331.3	337.7	343.7	345.6	342.1	334.8	328.9	328.7	10- 20	97.60	131.4	11, 11
30	303.5	313.0	321.7	323.9	318.2	307.6	299.3	299.2	20- 30	149.9	281.3	23.6, 23.6
40	265.7	278.1	289.0	291.3	283.7	270.2	260.3	260.1	30- 40	184.0	465.3	39.1, 39.1
50	219.5	234.4	247.0	248.9	239.5	223.7	212.2	212.3	40- 50	195.4	660.7	55.5, 55.5
60	166.7	182.6	197.3	198.5	186.0	169.3	157.8	158.0	50- 60	182.5	843.2	70.9, 70.9
70	110.9	127.2	140.1	141.9	129.8	112.7	101.1	102.0	60- 70	147.5	990.6	83.2, 83.2
80	57.99	72.51	84.38	85.12	74.37	58.79	49.13	50.31	70- 80	98.31	1089	91.5, 91.5
90	21.91	28.95	36.54	36.59	29.18	22.22	19.86	20.04	80- 90	48.66	1138	95.6, 95.6
100	13.09	14.88	16.41	16.31	14.66	12.70	12.19	12.48	90-100	20.78	1158	97.3, 97.3
110	6.785	9.050	9.241	10.02	8.225	7.297	6.452	6.948	100-110	11.53	1170	98.3, 98.3
120	3.846	4.831	5.038	5.324	4.811	4.633	4.616	4.351	110-120	6.148	1176	98.8, 98.8
130	3.738	3.986	3.903	3.586	4.340	4.702	4.745	4.390	120-130	3.844	1180	99.2, 99.2
140	3.960	4.187	4.128	3.837	4.436	4.849	4.931	4.603	130-140	3.297	1183	99.4, 99.4
150	4.266	4.420	4.391	4.017	4.613	4.983	5.102	4.761	140-150	2.807	1186	99.7, 99.7
160	4.593	4.695	4.658	4.207	4.825	5.031	5.169	4.836	150-160	2.151	1188	99.8, 99.8
170	4.889	4.914	4.497	4.406	4.860	5.050	4.941	4.658	160-170	1.349	1190	100, 100
180	4.774	4.742	4.700	4.629	4.777	4.742	4.700	4.629	170-180	0.4511	1190	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 563.11 lm

%lum = 47.3%

%lamp = 47.3%

Conical surface Flux(120deg): 843.17 lm

%lum = 70.9%

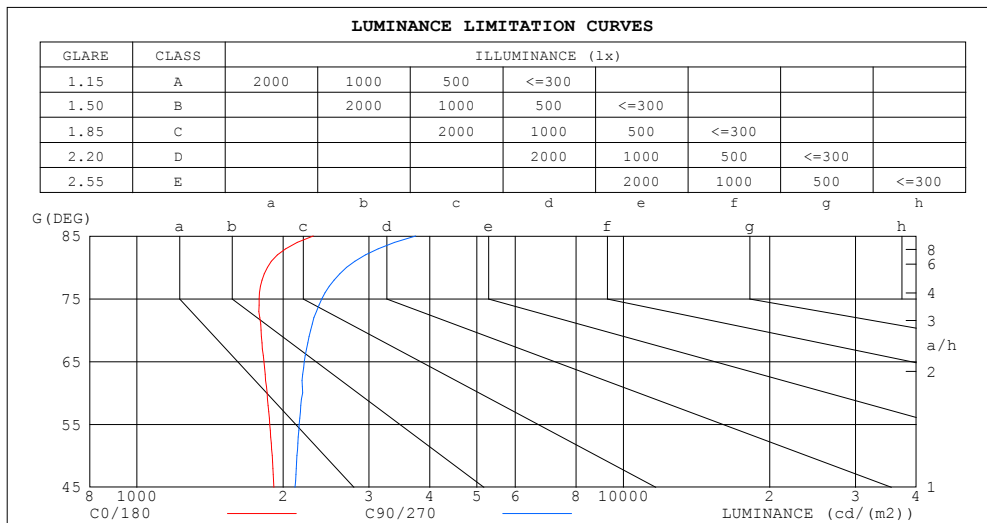
%lamp = 70.9%

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:25.20W PF:0.8330 Freq:60.00Hz Lamp Flux:1189.97x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2304	3745
80	1855	2700
75	1784	2401
70	1801	2276
65	1826	2211
60	1852	2192
55	1877	2158
50	1897	2135
45	1914	2115

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:25.20W PF:0.8330 Freq:60.00Hz Lamp Flux:1189.97x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 2700K	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	.251	.138	.042	.241	.133	.041		
4.0	.258	.134	.039	.252	.132	.039	.241	.128	.038	.230	.124	.037	.221	.120	.036		
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:2023-05-04

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:25.20W PF:0.8330 Freq:60.00Hz Lamp Flux:1189.97x1 lm										
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 2700K					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	14.9	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	17.0	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	20.6
8H	17.6	18.8	18.0	19.2	19.5	19.0	20.2	19.4	20.6	21.0
12H	17.8	19.0	18.3	19.4	19.8	19.4	20.6	19.8	21.0	21.4
4H 2H	15.0	16.3	15.4	16.7	17.0	15.5	16.8	15.9	17.1	17.5
3H	16.9	18.1	17.3	18.4	18.8	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	19.5	19.1	20.0	20.4	19.7	20.7	20.2	21.1	21.6
8H	18.9	19.8	19.4	20.3	20.8	20.2	21.1	20.7	21.6	22.0
12H	19.3	20.1	19.8	20.6	21.1	20.8	21.6	21.3	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	20.3	21.0	20.8	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	20.8	20.8	21.4	21.9	21.6	22.2	22.2	22.7	23.3
12H 4H	18.3	19.1	18.8	19.6	20.1	19.0	19.9	19.5	20.3	20.8
6H	19.4	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, 1190 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.6$)

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:25.20W PF:0.8330 Freq:60.00Hz Lamp Flux:1189.97x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

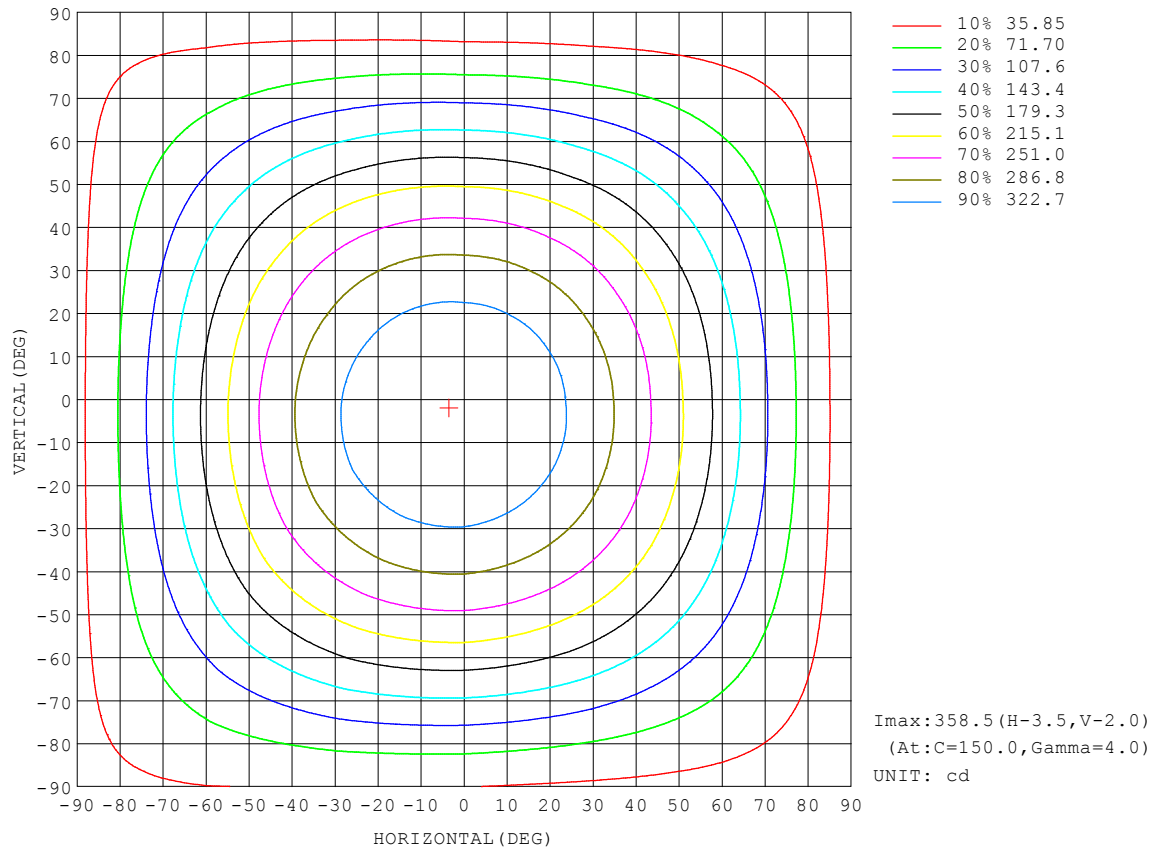
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	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	97	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:25.20W PF:0.8330 Freq:60.00Hz Lamp Flux:1189.97x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

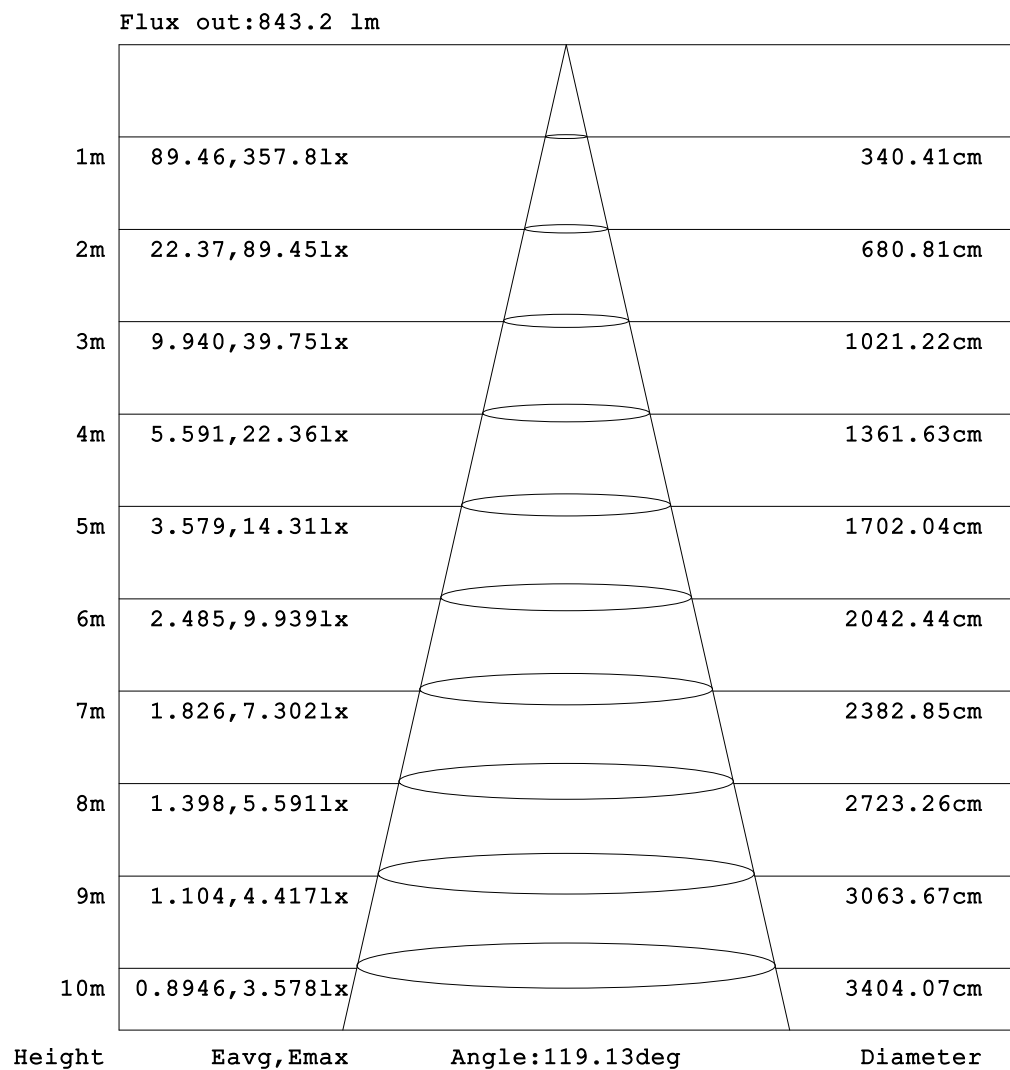


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-05-04

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:25.20W PF:0.8330 Freq:60.00Hz Lamp Flux:1189.97x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:14寸	Shielding Angle:

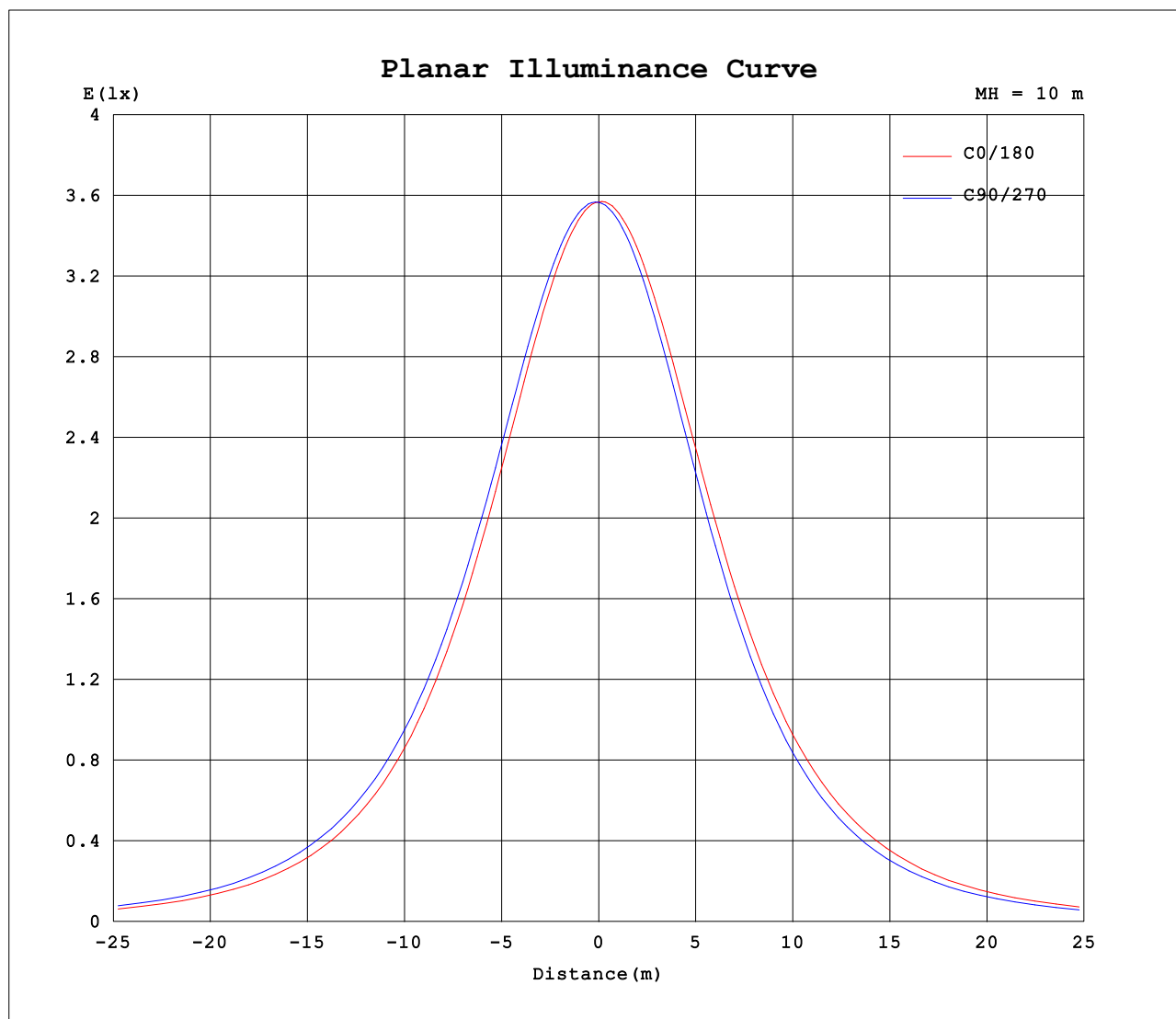


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:25.20W PF:0.8330 Freq:60.00Hz Lamp Flux:1189.97x1 lm		
NAME: AFX-DCF14-26DOB-95C-120D-NS 整灯 2700K	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	357	357	357	357	357	357	357	357	357	357	357	357						
5	354	355	356	357	358	358	357	356	354	354	354	354						
10	349	351	353	355	356	357	355	352	350	348	348	348						
15	342	345	348	351	352	352	350	346	343	340	339	340						
20	331	336	340	344	346	346	342	337	333	329	328	329						
25	319	324	329	334	336	336	331	325	320	316	315	316						
30	304	310	316	322	324	324	318	311	305	299	299	300						
35	286	293	300	307	309	309	302	294	287	281	280	282						
40	266	274	282	289	292	291	284	274	266	260	259	261						
45	244	253	261	269	272	270	262	252	244	237	236	238						
50	220	230	239	247	250	248	240	228	219	212	211	213						
55	194	205	214	223	226	224	214	202	193	186	184	187						
60	167	177	188	197	199	198	186	174	164	158	156	160						
65	139	150	161	168	172	168	158	146	136	130	128	132						
70	111	122	132	140	144	140	130	117	108	101	100	104						
75	83.1	94.4	104	112	115	112	101	88.8	80.5	73.9	73.4	76.4						
80	58.0	68.2	76.8	84.4	86.5	83.7	74.4	62.5	55.1	49.1	48.8	51.8						
85	36.1	44.7	52.1	58.8	60.6	58.1	49.1	39.2	33.2	29.3	29.4	31.6						
90	21.9	26.4	31.5	36.5	37.8	35.4	29.2	23.4	21.1	19.9	19.7	20.4						
95	16.2	18.0	19.8	21.8	22.6	21.6	19.2	16.9	16.0	15.5	15.5	15.8						
100	13.1	14.4	15.4	16.4	16.7	15.9	14.7	12.7	12.7	12.2	12.3	12.7						
105	9.59	11.3	12.4	12.7	12.8	12.8	10.7	9.66	9.77	8.50	9.21	9.65						
110	6.78	8.58	9.52	9.24	9.97	10.1	8.22	7.32	7.27	6.45	6.80	7.09						
115	4.93	6.31	7.01	6.89	7.51	7.43	6.19	5.57	5.44	5.04	5.04	5.24						
120	3.85	4.60	5.06	5.04	5.42	5.23	4.81	4.61	4.66	4.62	4.40	4.30						
125	3.68	3.90	4.03	4.00	3.96	3.74	4.34	4.62	4.72	4.63	4.44	4.22						
130	3.74	3.97	4.01	3.90	3.70	3.47	4.34	4.64	4.77	4.74	4.52	4.26						
135	3.84	4.05	4.10	3.99	3.79	3.55	4.38	4.69	4.86	4.83	4.62	4.35						
140	3.96	4.16	4.21	4.13	3.95	3.72	4.44	4.75	4.95	4.93	4.74	4.47						
145	4.12	4.28	4.32	4.25	4.10	3.84	4.53	4.81	5.02	5.03	4.89	4.54						
150	4.27	4.41	4.43	4.39	4.22	3.82	4.61	4.87	5.09	5.10	4.97	4.55						
155	4.42	4.55	4.57	4.52	4.33	3.92	4.72	4.93	5.11	5.16	5.00	4.60						
160	4.59	4.69	4.70	4.66	4.34	4.07	4.83	4.98	5.09	5.17	4.91	4.76						
165	4.77	4.83	4.83	4.78	4.26	4.23	4.91	5.02	5.10	5.04	4.78	4.67						
170	4.89	4.92	4.91	4.50	4.43	4.39	4.86	5.04	5.06	4.94	4.67	4.65						
175	4.72	4.77	4.64	4.60	4.55	4.52	4.78	4.78	4.75	4.73	4.67	4.64						
180	4.77	4.76	4.72	4.70	4.64	4.62	4.78	4.75	4.73	4.70	4.65	4.61						

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: