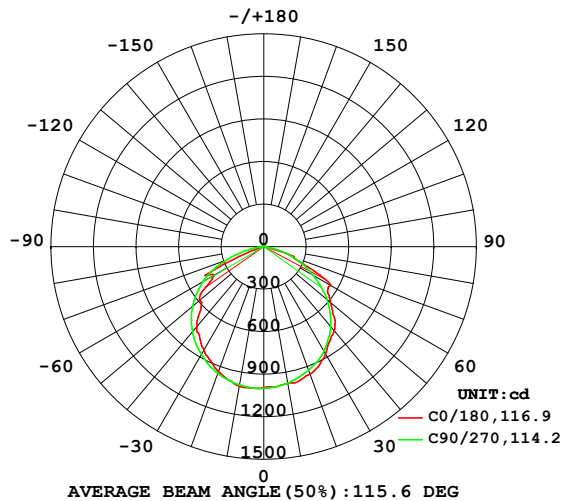


LUMINAIRE PHOTOMETRIC TEST REPORT

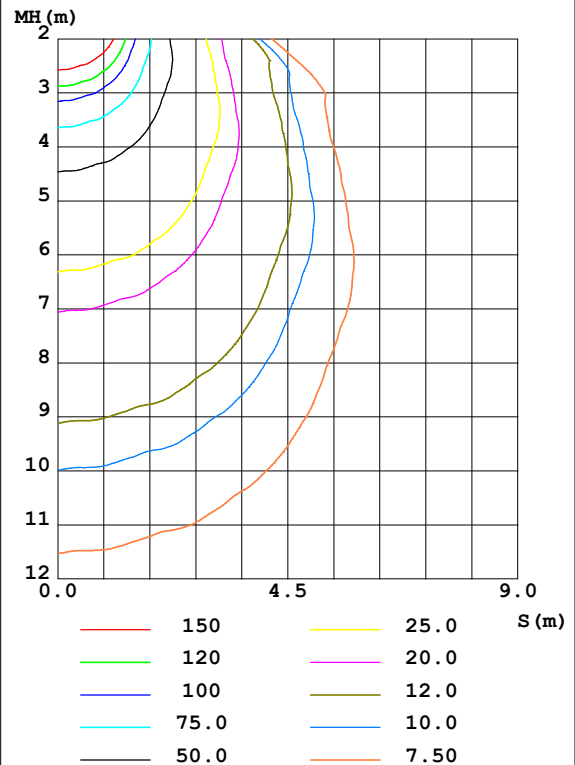
NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.35 lm/W			
MODEL	4FT	I _{max} (cd)	1005	S/MH (C0/180)	1.28
NOMINAL POWER(W)	20W	LOR(%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2814.9	η UP,DN (C0-180)	0.4,49.3
NOMINAL FLUX(lm)	2814.9	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.5,49.8
LAMPS INSIDE	1	η up (%)	0.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down (%)	99.1	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-12-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 7.540m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

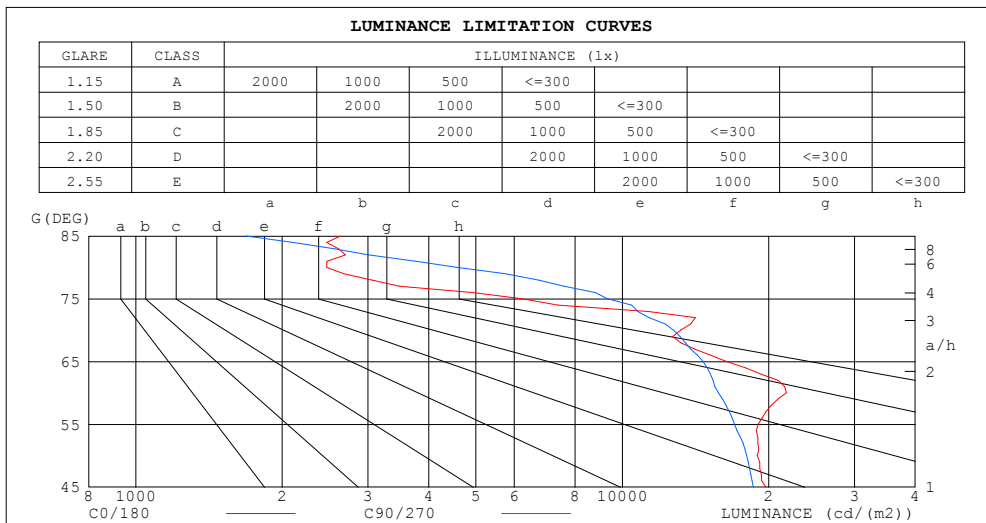
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	976.0	977.5	976.3	998.2	998.6	1002	990.5	983.8	0- 10	94.94	94.94	3.37,3.37
20	957.0	947.2	925.6	963.4	938.4	953.5	951.5	958.1	10- 20	274.8	369.8	13.1,13.1
30	872.5	879.1	851.3	872.9	843.7	860.1	879.0	887.7	20- 30	420.8	790.6	28.1,28.1
40	774.9	747.8	734.6	751.8	736.6	746.2	782.2	766.0	30- 40	509.5	1300	46.2,46.2
50	613.5	619.7	583.8	596.2	590.4	596.1	654.3	623.4	40- 50	526.6	1827	64.9,64.9
60	547.7	434.9	397.5	401.0	406.3	453.3	495.7	441.4	50- 60	471.5	2298	81.6,81.6
70	227.1	215.3	219.6	225.1	103.5	353.5	284.1	327.0	60- 70	348.2	2646	94,94
80	21.59	26.10	40.00	23.69	15.25	19.70	78.94	66.90	70- 80	126.6	2773	98.5,98.5
90	7.460	6.993	1.824	7.880	5.306	8.988	2.768	7.617	80- 90	16.17	2789	99.1,99.1
100	4.138	3.710	1.889	8.412	3.498	5.770	1.686	3.457	90-100	5.243	2794	99.3,99.3
110	3.405	3.599	2.254	9.428	3.054	5.604	2.020	3.201	100-110	4.323	2799	99.4,99.4
120	3.311	3.512	2.608	4.761	3.357	8.124	2.495	3.937	110-120	3.896	2803	99.6,99.6
130	3.332	3.601	2.659	4.024	3.798	7.756	3.325	6.155	120-130	4.004	2807	99.7,99.7
140	3.323	3.650	3.050	3.453	3.676	5.819	3.085	4.475	130-140	3.159	2810	99.8,99.8
150	3.449	3.461	2.574	3.185	3.446	5.618	2.892	3.221	140-150	2.277	2812	99.9,99.9
160	3.357	3.335	2.778	3.061	3.536	5.672	2.892	2.996	150-160	1.621	2814	100,100
170	2.824	2.939	2.652	2.790	3.051	5.919	2.870	3.054	160-170	0.9669	2815	100,100
180	2.657	2.787	2.678	2.746	2.669	2.773	2.695	2.732	170-180	0.2942	2815	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2636	1684
80	2467	4571
75	6221	9312
70	13175	12741
65	16373	14666
60	21736	15773
55	19028	17006
50	18938	18020
45	19764	18604

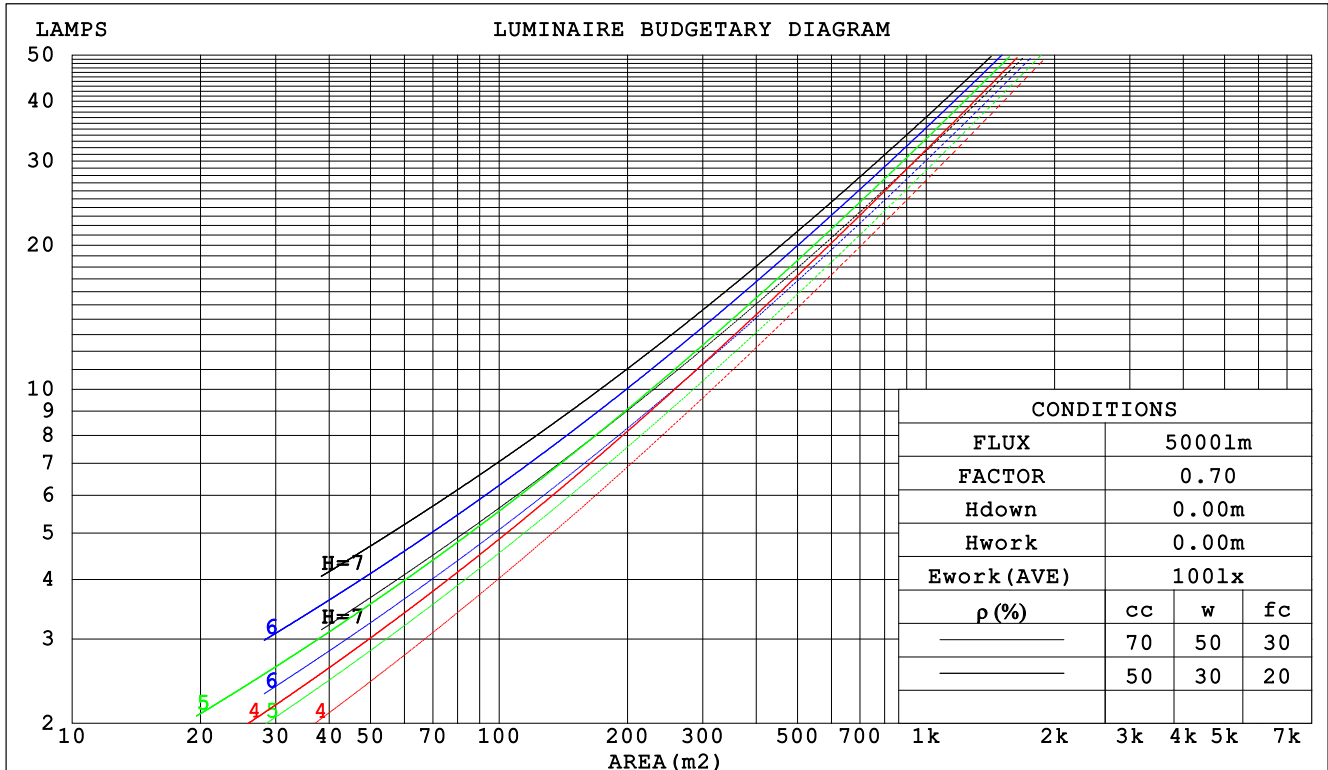
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.05	1.01	.97	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.44
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.46	.41	.51	.46	.41	.39
7.0	.52	.44	.37	.51	.43	.37	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34
8.0	.48	.39	.33	.47	.39	.33	.45	.38	.33	.44	.38	.33	.43	.37	.32	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	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	.284	.162	.051	.277	.158	.050	.264	.151	.048	.251	.145	.046	.239	.139	.045	
2.0	.275	.151	.046	.269	.148	.046	.257	.143	.044	.246	.138	.043	.235	.133	.042	
3.0	.259	.138	.041	.253	.136	.041	.242	.131	.040	.232	.127	.039	.223	.124	.038	
4.0	.241	.125	.037	.236	.124	.037	.227	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.224	.114	.033	.220	.113	.033	.212	.110	.032	.204	.107	.032	.196	.105	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.101	.029	.191	.099	.029	.184	.097	.029	
7.0	.195	.097	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.183	.089	.025	.180	.088	.025	.174	.087	.025	.168	.085	.025	.163	.083	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.154	.076	.021	.150	.074	.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	.197	.197	.197	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.186	.163	.143	.159	.140	.123	.109	.096	.085	.063	.056	.050	.020	.018	.016	
2.0	.177	.139	.107	.152	.120	.093	.104	.083	.065	.060	.048	.038	.019	.016	.012	
3.0	.169	.121	.083	.145	.105	.072	.100	.073	.050	.058	.042	.030	.019	.014	.010	
4.0	.162	.108	.067	.139	.093	.058	.096	.065	.041	.055	.038	.024	.018	.012	.008	
5.0	.155	.098	.055	.133	.084	.048	.092	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.148	.089	.047	.127	.077	.041	.088	.054	.029	.051	.032	.017	.016	.010	.006	
7.0	.141	.082	.041	.122	.071	.036	.084	.050	.025	.049	.029	.015	.016	.010	.005	
8.0	.135	.076	.036	.116	.066	.032	.080	.047	.022	.047	.027	.013	.015	.009	.004	
9.0	.129	.072	.033	.111	.062	.029	.077	.044	.020	.045	.026	.012	.015	.008	.004	
10.0	.124	.067	.030	.107	.058	.026	.074	.041	.019	.043	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.540m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: 4FT COVELIGHT					TYPE:4000K			WEIGHT:		
SPEC.:4FT 透明PC罩					DIM.: 1120X45MM			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.12*0.045			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	23.5	25.0	23.8	25.2	25.4	22.8	24.2	23.0	24.5	24.7
3H	24.6	25.9	24.9	26.2	26.4	24.0	25.3	24.3	25.6	25.8
4H	24.7	26.0	25.1	26.3	26.6	24.3	25.6	24.6	25.8	26.1
6H	24.7	25.9	25.0	26.2	26.5	24.3	25.5	24.6	25.8	26.1
8H	24.6	25.8	25.0	26.1	26.4	24.3	25.4	24.6	25.7	26.0
12H	24.6	25.7	24.9	26.0	26.3	24.2	25.3	24.6	25.6	26.0
4H 2H	24.1	25.3	24.4	25.6	25.9	23.5	24.8	23.8	25.1	25.3
3H	25.2	26.3	25.6	26.6	27.0	24.7	25.9	25.1	26.2	26.5
4H	25.4	26.4	25.8	26.8	27.1	25.1	26.1	25.5	26.5	26.8
6H	25.4	26.3	25.8	26.6	27.0	25.2	26.1	25.6	26.4	26.8
8H	25.3	26.2	25.8	26.5	27.0	25.1	26.0	25.6	26.4	26.8
12H	25.3	26.1	25.7	26.5	26.9	25.1	25.9	25.5	26.3	26.7
8H 4H	25.5	26.3	25.9	26.7	27.1	25.2	26.0	25.6	26.4	26.8
6H	25.4	26.1	25.9	26.5	27.0	25.2	25.9	25.7	26.4	26.8
8H	25.4	26.0	25.9	26.4	26.9	25.2	25.8	25.7	26.3	26.8
12H	25.4	25.9	25.9	26.4	26.9	25.2	25.7	25.7	26.2	26.7
12H 4H	25.4	26.2	25.9	26.6	27.0	25.1	25.9	25.6	26.3	26.7
6H	25.4	26.0	25.9	26.4	26.9	25.2	25.8	25.7	26.3	26.7
8H	25.4	25.9	25.9	26.4	26.9	25.2	25.7	25.7	26.2	26.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.3 / - 0.5				
1.5H	+ 0.4 / - 0.7					+ 0.2 / - 0.5				
2.0H	+ 0.6 / - 0.9					+ 0.5 / - 0.8				

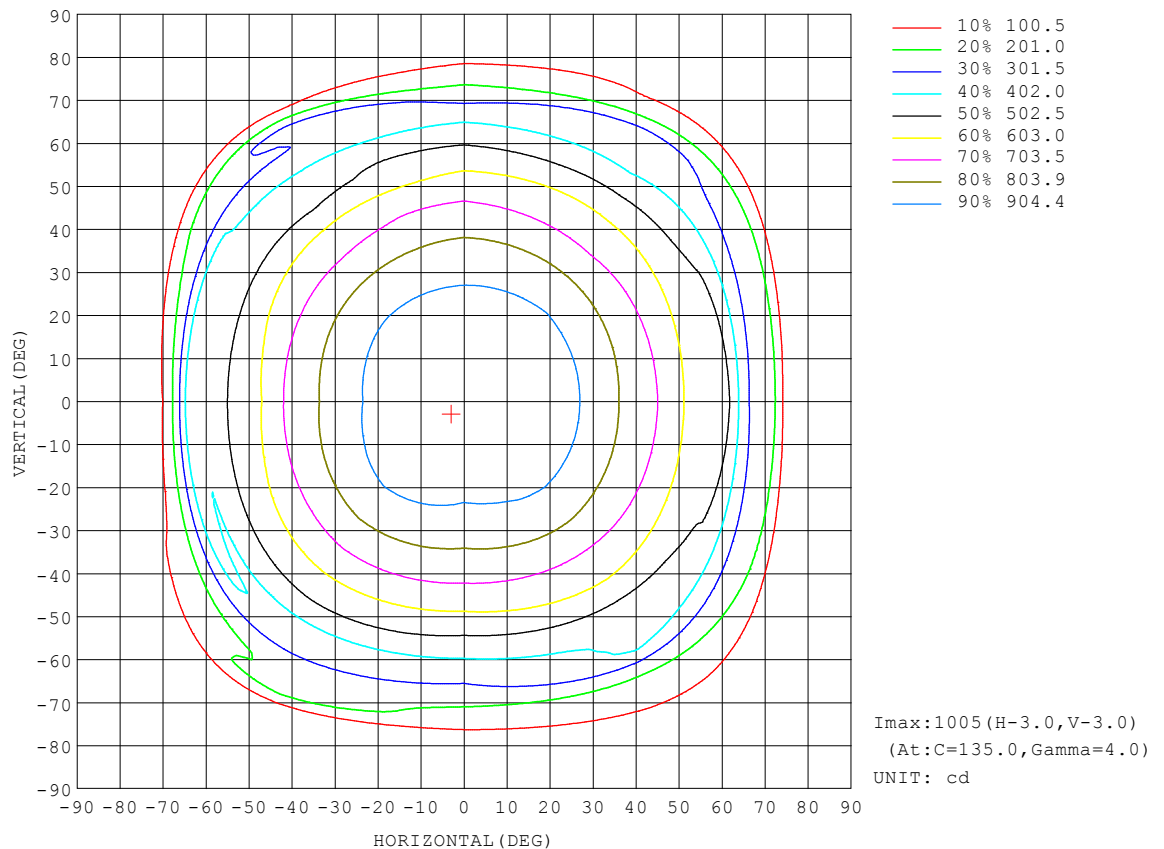
CIE Pub.117 Corrected 2815 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.6)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

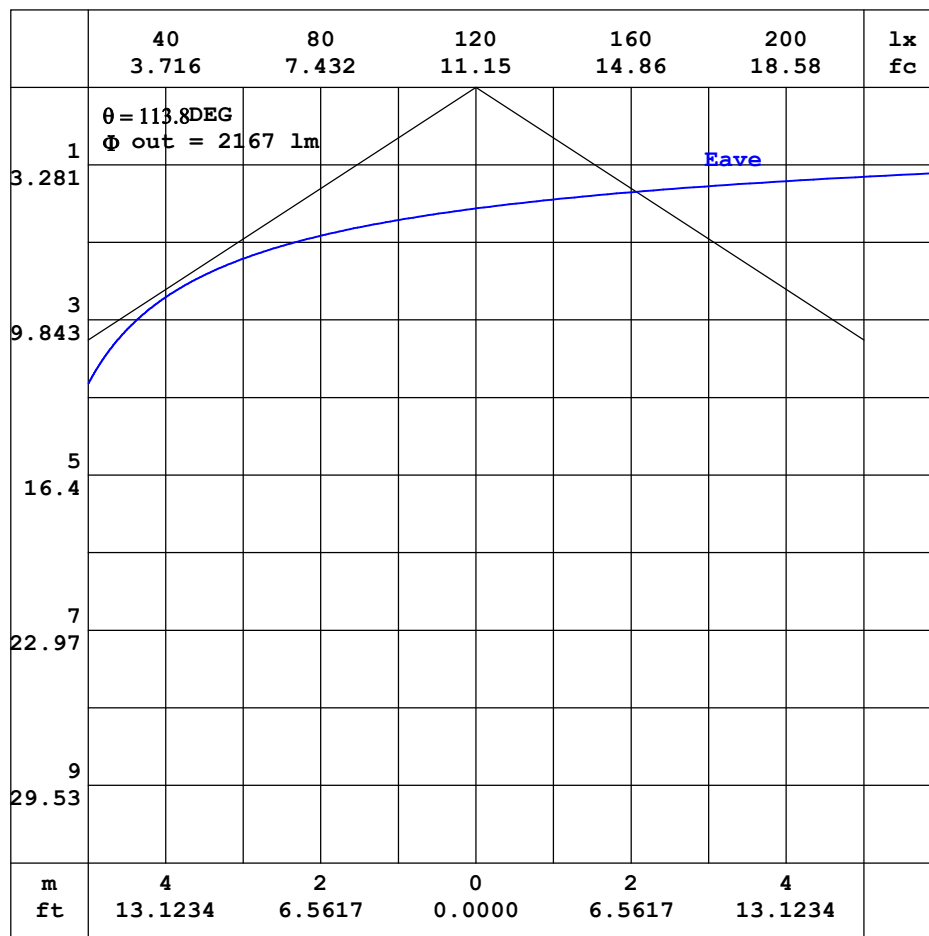


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

AAI CURVES

NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



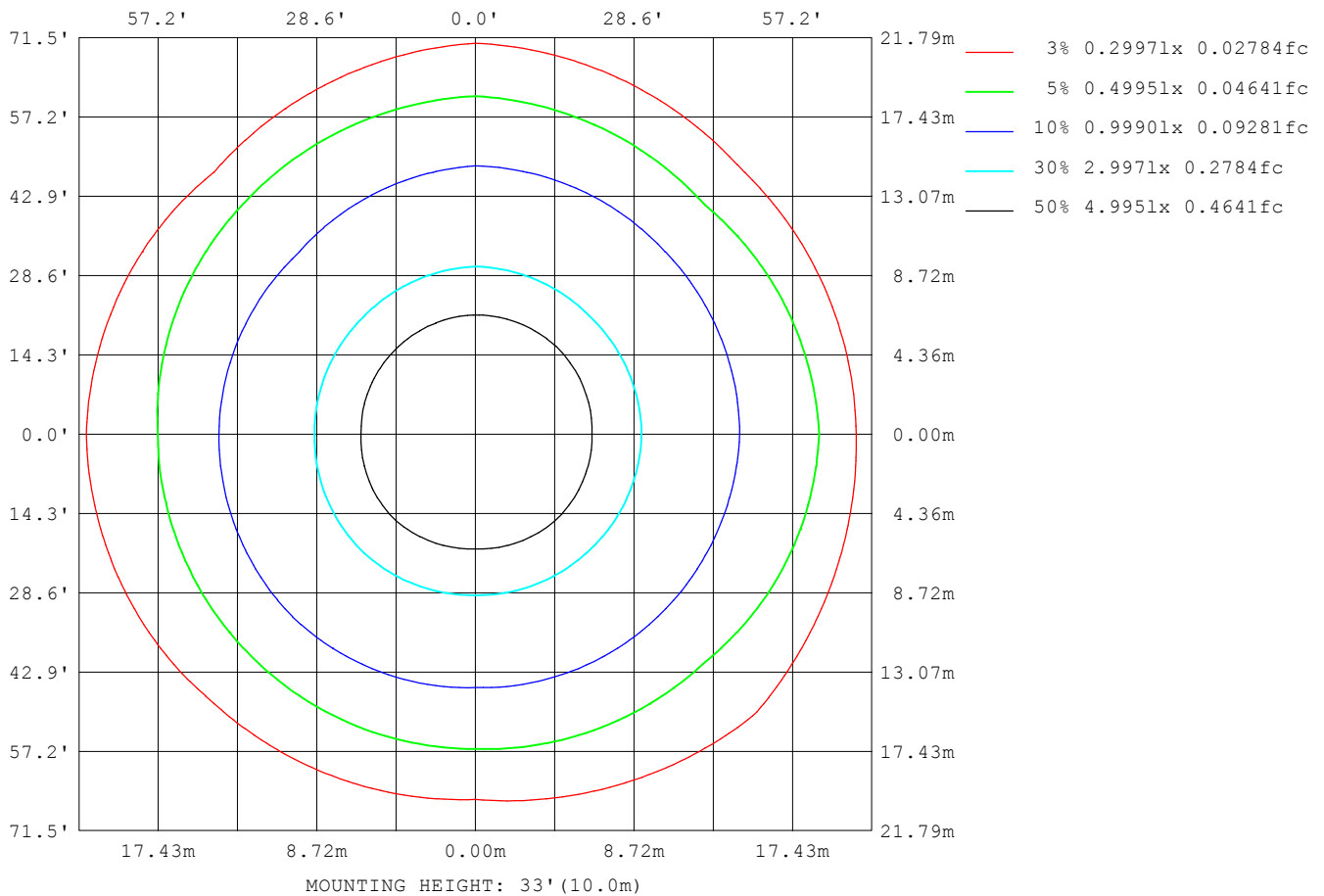
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.353
 Humidity: 65.0%
 Test Distance: 7.540m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

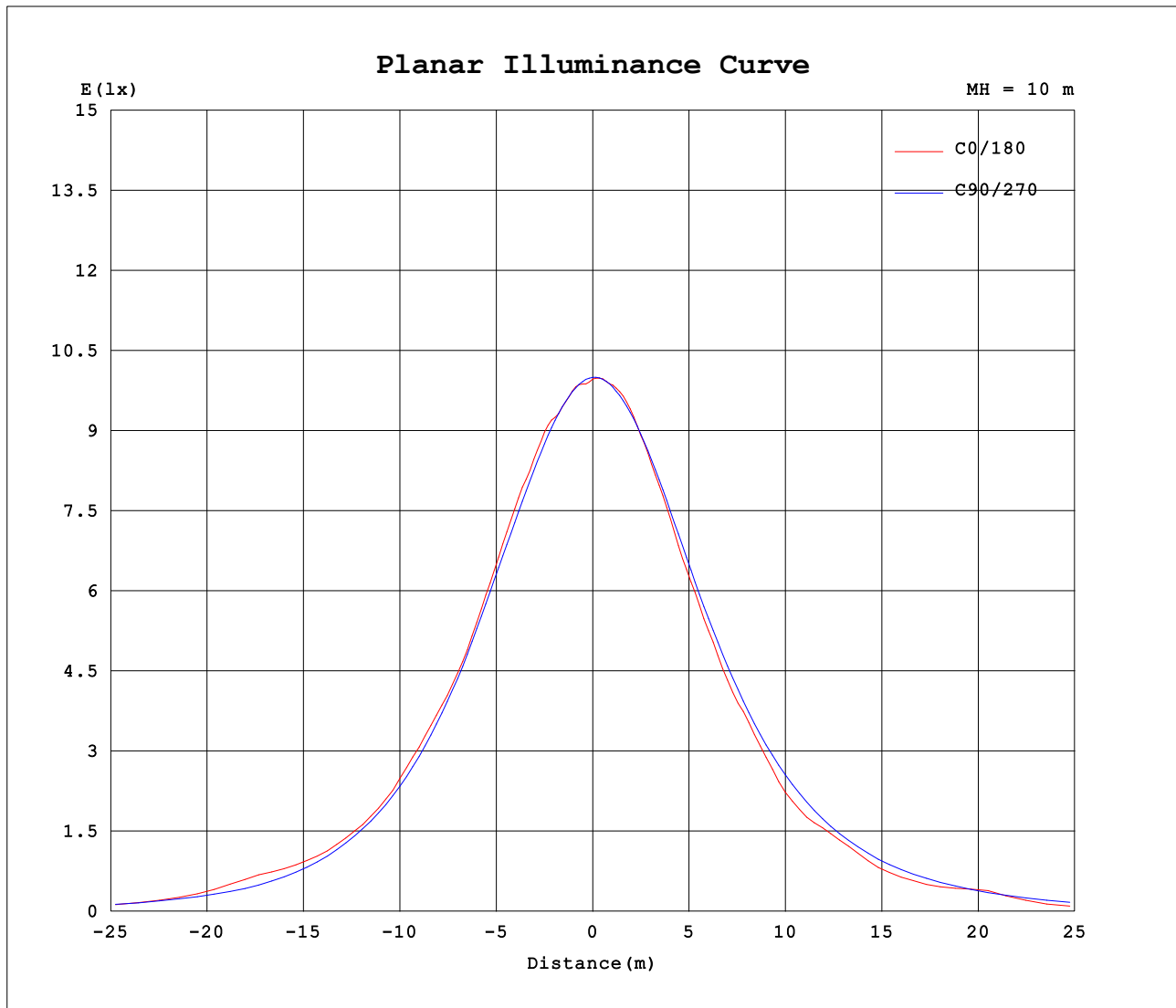
AvgL	cd/m2
L_0~180 (65) av	17350
L_0~180 (75) av	4020
L_0~180 (85) av	2168
L_90~270 (65) av	16701
L_90~270 (75) av	11169
L_90~270 (85) av	3086
L_45 (65) av	16773
L_45 (75) av	9138
L_45 (85) av	2818

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-12-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 7.540m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 4FT COVELIGHT	TYPE:4000K	WEIGHT:
SPEC.:4FT 透明PC罩	DIM.: 1120X45MM	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	997	1000	1000	998	997	1000	1000	998										
5	994	991	991	1005	1000	1002	999	1001										
10	976	978	976	998	999	1002	991	984										
15	977	962	954	989	973	984	975	968										
20	957	947	926	963	938	954	951	958										
25	925	916	894	924	888	914	920	921										
30	872	879	851	873	844	860	879	888										
35	813	821	794	818	789	812	836	832										
40	775	748	735	752	737	746	782	766										
45	704	688	663	681	631	680	723	684										
50	614	620	584	596	590	596	654	623										
55	550	518	492	521	503	490	579	550										
60	548	435	397	401	406	453	496	441										
65	349	415	312	347	390	322	399	346										
70	227	215	220	225	103	353	284	327										
75	81.2	137	121	145	23.7	75.6	170	119										
80	21.6	26.1	40.0	23.7	15.2	19.7	78.9	66.9										
85	11.6	10.9	7.40	11.8	7.47	13.6	19.7	13.3										
90	7.46	6.99	1.82	7.88	5.31	8.99	2.77	7.62										
95	5.01	4.87	1.78	9.06	4.21	6.67	1.71	4.36										
100	4.14	3.71	1.89	8.41	3.50	5.77	1.69	3.46										
105	3.57	3.49	2.06	10.3	3.16	5.54	1.79	3.21										
110	3.41	3.60	2.25	9.43	3.05	5.60	2.02	3.20										
115	3.36	3.67	2.45	6.54	3.13	6.47	2.27	3.45										
120	3.31	3.51	2.61	4.76	3.36	8.12	2.49	3.94										
125	3.34	3.56	2.65	4.35	3.57	12.1	2.84	4.85										
130	3.33	3.60	2.66	4.02	3.80	7.76	3.32	6.16										
135	3.32	3.59	2.70	3.72	3.87	6.65	3.30	5.47										
140	3.32	3.65	3.05	3.45	3.68	5.82	3.09	4.47										
145	3.40	3.52	3.16	3.26	3.50	5.40	2.95	3.60										
150	3.45	3.46	2.57	3.18	3.45	5.62	2.89	3.22										
155	3.44	3.42	2.77	3.20	3.45	5.94	2.89	3.07										
160	3.36	3.33	2.78	3.06	3.54	5.67	2.89	3.00										
165	3.06	3.36	2.64	2.88	3.39	6.13	2.89	3.01										
170	2.82	2.94	2.65	2.79	3.05	5.92	2.87	3.05										
175	2.71	2.75	2.68	2.71	2.81	4.35	2.78	2.89										
180	2.66	2.79	2.68	2.75	2.67	2.77	2.70	2.73										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-12-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.540m [K=1.0000]
Remarks: